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Measurements of visual double stars with PISCO2 at the Nice 76-cm refractor in 2013-2014 (new data) and in 2015

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Key words Stars: double stars: close, visual, binaries, red dwarfs — astrometry – photometry — techniques: speckle interferometry, Lucky imaging, direct vector autocorrelation — instruments: 76-cm refractor

We present relative astrometric and photometric measurements of visual double stars made in 2013–2015, with PISCO2 installed at the 76-cm refractor of Côte d’Azur Observatory in Nice (France). Our observing list contains orbital couples as well as double stars whose motion is still uncertain. Most of the observations were done in 2015 but some others observations of wide couples were done in 2013–2014 (0.3% of the total of the observations). Three different techniques were used for obtaining measurements: Lucky Imaging, Speckle Interferometry and the Direct Vector Autocorrelation method. From our observations of 2837 multiple stars, we obtained 5182 new measurements with angular separations in the range $0''.1$ — $32''$ and an average accuracy of $0''.018$. The mean error on the position angles is $0^\circ.8$. Most of the position angles were determined without the usual 180° ambiguity with the application of the direct vector autocorrelation technique and/or by inspection of the Lucky images or the long integration files. We managed to routinely monitor faint systems ($m_V \approx 9 - 11$) with large magnitude difference (up to $\Delta m_V \approx 4.5$). We have thus been able to measure 21 systems containing red dwarf stars that had been poorly monitored since their discovery, from which we estimated the stellar masses thanks to Gaia measurements. We also measured the magnitude difference of the two components of 1079 double stars with an estimated error of 0.2 mag. Except for a few objects that are discussed, our measurements are in good agreement with the ephemerides computed with published orbital elements, even for the double stars whose separation is smaller than the diffraction limit. Thanks to good seeing images and with the use of high-contrast numerical filters, we have also been able to obtain 196 measurements with an angular separation smaller than the diffraction limit of our instrumentation, and consistent with those obtained with larger telescopes. We also report measurements of the 164 new double stars that we found in the files obtained during the observations. Finally, from a study of the DR3 Gaia release, it is shown that all the objects of the Tycho Double Star Catalog that we did not resolve in 2015 are probably false detections by Tycho.

[†]Deceased in October 2018

1 Introduction

This paper presents the results of speckle observations of visual double stars made in 2013–2015 with

the PISCO2 instrument (Pupil Interferometry Speckle camera and COronagraph, 2nd Version) installed at the 76-cm refractor telescope of the “Observatoire de la Côte d’Azur”, (OCA) in Nice (France).

PISCO2 is a speckle camera that was specially designed for the 76-cm refractor telescope (see Gili et al, 2014). In 2013–2015, we continued our previous research programme described in Gili & Prieur (2012)

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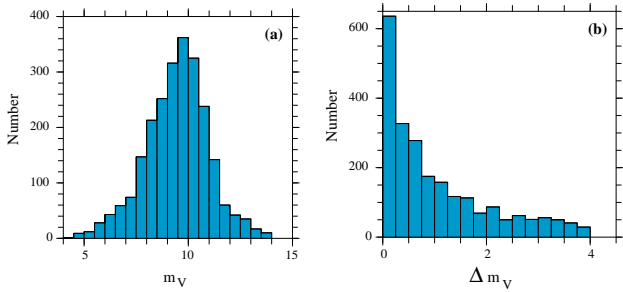


Fig. 1 Distribution of the double star systems observed in 2013–2015: (a) WDS visual magnitudes and (b) WDS magnitude differences Δm_V between the two components.

and Gili et al. (2020, 2021, 2022), that will be referred as Paper I, II, III, and IV hereafter.

In Sect. 2, we describe the conditions of our observations, the list of our targets with a discussion on the systems containing red dwarfs, and our calibration and data-reduction procedures. We present and discuss our relative astrometric and photometric measurements in Sect. 3. The new double stars that we discovered are presented in Sect. 4. Then in Sect. 5 we compare our measurements with the ephemerides computed with published orbital elements, when available, and discuss the few cases of the largest residuals. In Sect. 5.2 we analyse the residuals of the measurements of double stars whose separation is smaller than the diffraction limit of our instrumentation. Finally in Sect. 6 we use the DR3 Gaia release to look for possible companions close to the objects of the Tycho Double Star Catalog that our observations did not resolve.

2 Observations, calibration and data processing

2.1 Observing list

Our list of targets is the same as in our previous papers and was presented in Paper I. Most of the observations were done in 2015 but others concerning wide couples were done in 2013–2014 (0.3% of the total of the observations) although they had not been presented in our previous paper (Paper IV). Indeed we found only recently the scale value of those observations in the documents that R. Gili gave us before his death, and we did not know that value when we wrote Paper IV. The measurements obtained from all the observations made in 2013–2015 are displayed in Table 1 that will be presented in detail in Sec. 3.

The distribution of the apparent magnitudes m_V of the double stars observed in 2013–2015 is plotted in Fig. 1a and the difference of magnitudes Δm_V between the two components in Fig. 1b. Those data were retrieved from the “Washington Double Star Catalog”

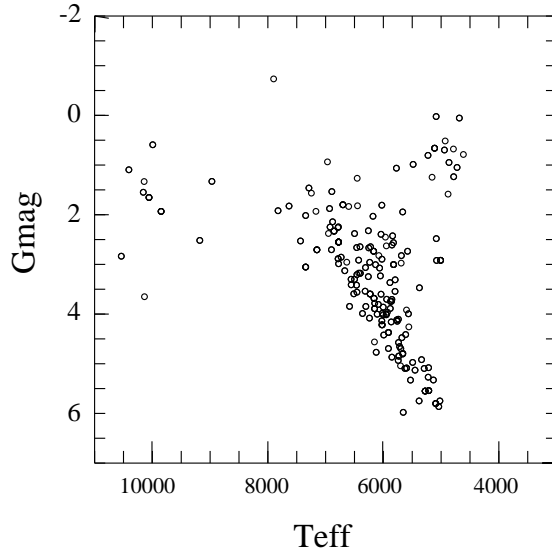


Fig. 2 Color-magnitude diagram with the Gaia absolute magnitude G_{mag} vs the effective temperature T_{eff} of the double stars measured in Table 1, for which the Gaia parallaxes have a relative error smaller than 50% (i.e., 355 objects). This diagram was derived from the DR3 Gaia (ESA, 2022) measurements.

(Mason et al., 2023, hereafter: WDS catalog). The telescope aperture and detector sensitivity led to a limiting magnitude of $m_V \approx 14$ for the faintest companions, which corresponded to about $m_V \approx 12$ for the double star systems (see Fig. 1a).

As in Paper IV, we used the observational data from DR3 Gaia (ESA, 2022) to construct the color-magnitude diagram of those double systems, namely G_{mag} versus T_{eff} , which is displayed in Fig. 2. Out of the objects whose parallax was measured by DR3 Gaia (ESA, 2022), we plotted the 355 objects with available information on the total apparent magnitude and the effective temperature, and for which the parallax measurement had a relative uncertainty smaller than 50%.

Using both the photometric data contained in the WDS catalog, and the Hipparcos parallaxes (ESA, 1997), we were able to construct the color-magnitude diagram which is displayed in Fig. 3. Out of the 864 objects whose parallax was measured by Hipparcos, we plotted the 686 objects for which the relative uncertainty on the Hipparcos parallax was smaller than 50%.

This plot shows that our observations well sampled most of the main sequence down to the faint red M stars. Indeed this is shown in Table 2, with the list of 21 systems containing red dwarf stars that have been observed in 2015. This list was built from the spectral types found in the WDS catalog, by selecting the K and M stars of luminosity class V of Table 1. However,

Table 1 Table of binary measurements obtained with PISCO2 in 2013–2015 and O-C residuals with published orbits (begin. only). The full table is available in the electronic version as an attached document.

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ (") | $\Delta\theta(\text{O-C})$ (°) | Grade |
|------------|------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|---------------------------------|-----------------------------------|-------|
| 00002+3613 | TDS1236 | 2015.897 | 1 | 0.494 | 0.007 | 154.0* | 2.3 | | | | | | |
| 00002+3613 | TDS1236 | 2015.897 | 1 | 0.503 | 0.010 | 154.0* | 1.0 | 0.26 | | | | | |
| 00011+2502 | POU5882 | 2013.925 | 5 | 8.027 | 0.042 | 42.8 | 0.3 | 0.39 | | | | | |
| 00014+3937 | HLD60 | 2015.872 | 1 | 1.334 | 0.010 | 167.2* | 0.3 | 1.95 | | Izm2019 | 0.02 | 0.3 | 3 |
| 00014+3937 | HLD60 | 2015.872 | 1 | 1.328 | 0.010 | 167.0* | 0.3 | | | Izm2019 | 0.01 | 0.1 | 3 |
| 00015+3044 | HO208 | 2015.880 | 1 | 1.114 | 0.008 | 187.1* | 0.3 | | | Izm2019 | 0.07 | -0.2 | 5 |
| 00015+3044 | HO208 | 2015.880 | 1 | 1.125 | 0.009 | 187.1* | 0.3 | | | Izm2019 | 0.08 | -0.2 | 5 |
| 00022+2705 | BU733AG | 2015.967 | 1 | 2.012 | 0.021 | 96.2 | 0.7 | | NDp | | | | |
| 00022+2705 | BU733AG | 2015.967 | 1 | 2.037 | 0.010 | 96.6 | 0.4 | | NDp | | | | |
| 00022+2705 | BU733AF | 2015.967 | 1 | 2.179 | 0.011 | 86.4 | 0.3 | | NDp | | | | |
| 00022+2705 | BU733AF | 2015.967 | 1 | 2.185 | 0.011 | 86.6 | 0.3 | | NDp | | | | |
| 00022+2705 | BU733AB | 2015.967 | 1 | 0.384 | 0.007 | 37.0* | 0.8 | | | Sod1999 | 0.03 | -5.9 | 1 |
| 00022+2705 | BU733AB | 2015.967 | 1 | 0.374 | 0.013 | 38.2* | 0.8 | | | Sod1999 | 0.02 | -4.7 | 1 |
| 00023+3257 | HO209AB | 2015.984 | 1 | 1.425 | 0.025 | 346.8* | 0.3 | | | | | | |
| 00023+3257 | HO209AB | 2015.984 | 1 | 1.422 | 0.035 | 346.4* | 0.7 | | | | | | |
| 00023+3257 | HO209Aa,Ab | 2015.984 | 1 | 0.354 | 0.016 | 30.9 | 0.9 | | NDp | | | | |
| 00023+3257 | HO209Aa,Ab | 2015.984 | 1 | 0.313 | 0.023 | 29.4 | 2.5 | | NDp | | | | |
| 00024+2518 | POU5883AB | 2013.922 | 5 | 3.792 | 0.042 | 320.6 | 0.3 | 0.45 | | | | | |
| 00024+2518 | POU5883AB | 2013.922 | 5 | 3.662 | 0.042 | 320.4 | 1.3 | 0.44 | | | | | |
| 00024+2518 | POU5883AC | 2013.922 | 5 | 10.154 | 0.056 | 195.7 | 0.3 | 1.76 | NDp | | | | |
| 00026+1841 | HDS2AB | 2015.880 | 1 | 2.062 | 0.081 | 334.2* | 4.4 | | | | | | |
| 00026+1841 | HDS2AB | 2015.880 | 1 | 2.036 | 0.017 | 335.8* | 0.6 | | | | | | |
| 00026+1841 | HDS2Aa,Ab | 2015.880 | 1 | — | — | — | — | | NR | | | | |
| 00035+3434 | OL77 | 2015.935 | 1 | 2.734 | 0.014 | 257.7* | 0.4 | 3.64 | | | | | |
| 00035+3434 | OL77 | 2015.935 | 1 | 2.744 | 0.014 | 257.2* | 0.4 | | | | | | |
| 00035+7800 | MLR368 | 2015.847 | 1 | 0.354 | 0.020 | 281.0* | 2.2 | | | | | | |
| 00035+7800 | MLR368 | 2015.847 | 1 | 0.350 | 0.008 | 278.8* | 0.6 | | | | | | |
| 00037+3752 | COU846 | 2015.943 | 1 | 0.912 | 0.013 | 149.3* | 0.4 | | | | | | |
| 00037+3752 | COU846 | 2015.943 | 1 | 0.920 | 0.013 | 149.7* | 0.5 | | | | | | |
| 00047+3416 | STF3056AB | 2015.967 | 1 | 0.742 | 0.021 | 142.1* | 0.9 | | | Zir2015a | 0.03 | 0.3 | 4 |
| 00047+3416 | STF3056AB | 2015.967 | 1 | 0.731 | 0.007 | 142.2* | 0.3 | 1.05 | | Zir2015a | 0.02 | 0.4 | 4 |
| 00047+3416 | STF3056AB | 2015.967 | 1 | 0.724 | 0.027 | 142.2* | 0.4 | | | Zir2015a | 0.02 | 0.4 | 4 |
| 00047+3416 | STF3056AB | 2015.967 | 1 | 0.732 | 0.027 | 141.9* | 0.3 | | | Zir2015a | 0.02 | 0.4 | 4 |

Notes: In column 7, the superscript * indicates that the position angle θ could be determined without the 180° ambiguity. In column 13, the superscript ^Q indicates that our θ measurement quadrant was not compatible with the quadrant used for computing the orbit.

it should be underlined that the spectral classification of close double stars is still poorly known.

In Table 2, we report the WDS name in Col. 1, the discoverer's name of the double star system in Col. 2, the spectral type as given in the WDS, with the type of each components for some systems, in Col. 3, the visual magnitudes m_{V1} and m_{V2} of components 1 and 2 in Cols. 4 and 5, respectively, the $B - V$ color index as measured by Hipparcos in Col. 6, and the interstellar galactic absorption A_{absp} of those system, from DR3 Gaia in Col. 7. The Hipparcos parallax π_{Hip} and its error $\sigma_{\pi_{\text{Hip}}}$, the DR3 Gaia parallax π_{Gaia} and its error $\sigma_{\pi_{\text{Gaia}}}$ are then given in Cols. 8, 9, 10, and 11, respectively. The effective temperature T_{eff} from DR3 Gaia is

displayed in Col. 12, when available. The absolute magnitudes of components 1 and 2, M_{V1} and M_{V2} , were then computed from m_{V1} and m_{V2} , by using A_{absp} , and the weighted average of the Hipparcos and Gaia parallaxes (using their uncertainties). They are given in Cols. 13 and 14, respectively.

We were thus able to construct the color-magnitude diagram of the double systems containing a red dwarf, by plotting M_{V1} and M_{V2} of Cols. 13 and 14 as a function of the color index $B - V$ of Col. 6 (see Fig. 4).

In Table 2, we finally give \mathfrak{M}_1 and \mathfrak{M}_2 in Cols 15 and 16, respectively, which are some rough estimates of the masses of the components 1 and 2, assuming that they follow the mass-luminosity relation as we did in

Table 2 List of binary systems observed in 2015 that contain a red dwarf star, with absolute magnitudes and masses of the two components that we derived from the WDS and from GAIA measurements.

| WDS | Name | Spectral type | m_{V1} | m_{V2} | $B-V$ | A_{absP} | π_{Hip} | $\sigma_{\pi_{\text{Hip}}}$ | π_{Gaia} | $\sigma_{\pi_{\text{Gaia}}}$ | T_{eff} | M_{V1} | M_{V2} | \mathfrak{M}_1 | \mathfrak{M}_2 |
|------------|--------------|---------------|----------|----------|-------|-------------------|--------------------|-----------------------------|---------------------|------------------------------|------------------|----------|----------|------------------|------------------|
| | | | (mag) | (mag) | (mag) | (mag) | (mas) | (mas) | (mas) | (mas) | (°K) | (mag) | (mag) | (M_{\odot}) | (M_{\odot}) |
| 00014+3937 | HLD60 | K0V+K1V | 9.09 | 9.77 | 0.79 | 0.0001 | 20.42 | 1.91 | 19.67 | 0.12 | 5095 | 5.56 | 6.24 | 0.75 | 0.62 |
| 01267+1123 | HDS188 | M0V: | 12.47 | 12.61 | 1.47 | — | 17.23 | 5.79 | 17.98 | 0.95 | 5000 | 8.73 | 8.87 | 0.28 | 0.27 |
| 01354+1126 | HDS213 | K7V: | 12.67 | 12.75 | 1.30 | — | 10.33 | 4.37 | — | — | 4231 | 7.74 | 7.82 | 0.38 | 0.38 |
| 07319+3613 | BEU11Aa,Ab | M2.5V+M5V | 14.10 | 16.80 | 1.44 | — | 87.61 | 3.87 | — | — | — | 13.81 | 16.51 | 0.08 | 0.04 |
| 08310+4012 | SKF207 | M4Ve | 14.00 | 14.00 | 0.09 | 0.0002 | — | — | 29.71 | 0.05 | 3277 | 11.36 | 11.36 | 0.14 | 0.14 |
| 11374+4728 | KU39 | K4V | 10.68 | 11.16 | 1.17 | — | 27.67 | 4.29 | 29.80 | 0.04 | 4514 | 8.05 | 8.53 | 0.38 | 0.34 |
| 11520+4805 | HU731 | K0V | 9.68 | 9.81 | 0.98 | — | 20.16 | 3.04 | 23.47 | 0.02 | 4619 | 6.53 | 6.66 | 0.59 | 0.57 |
| 12101+0526 | WOR22 | M0V | 12.25 | 12.67 | 1.58 | — | 24.11 | 5.50 | 22.88 | 0.09 | 4472 | 9.05 | 9.47 | 0.26 | 0.23 |
| 12223+4826 | YSC45 | K8V | 10.38 | — | 1.03 | — | 17.04 | 1.78 | 18.66 | 0.03 | 4858 | 6.73 | — | 0.48 | — |
| 12236+6711 | HDS1745 | M2.5V+M4V | 11.93 | 12.19 | — | — | 77.01 | 5.72 | — | — | — | 11.36 | 11.62 | 0.14 | 0.13 |
| 13063+2044 | HU739AB | K4V | 9.72 | 12.11 | 1.29 | 0.0000 | 53.78 | 2.38 | 50.80 | 0.02 | 4122 | 8.25 | 10.64 | 0.36 | 0.20 |
| 13164+2906 | LDS6276 | DA1+M3.5V | 12.70 | 14.00 | -0.12 | — | 31.26 | 8.33 | 16.57 | 0.05 | — | 8.81 | 10.11 | 0.31 | 0.19 |
| 16289+1825 | STF2052AB | K3V+K3V | 7.69 | 7.91 | 0.85 | — | 51.20 | 1.49 | — | — | — | 6.24 | 6.46 | 0.62 | 0.59 |
| 19145+3434 | BU975BC | K0V | 9.70 | 9.80 | 0.46 | 0.0002 | 14.80 | 0.67 | 13.74 | 0.21 | — | 5.43 | 5.53 | 0.77 | 0.75 |
| 20302+2651 | WOR9AB | M1V | 10.50 | 10.63 | 1.34 | — | 43.24 | 4.37 | 49.03 | 0.91 | 4460 | 8.91 | 9.04 | 0.26 | 0.25 |
| 21000+4004 | KUI103AB | M2V+M0.5V | 10.49 | 12.40 | 1.51 | — | 66.21 | 2.54 | 66.81 | 0.09 | 3626 | 9.61 | 11.52 | 0.22 | 0.14 |
| 21379+2743 | SKF245AC | M1V | 9.90 | 15.00 | 1.50 | — | 76.07 | 2.53 | 76.22 | 0.04 | 4057 | 9.31 | 14.41 | 0.24 | 0.07 |
| 21379+2743 | HDS3080Aa,Ab | M1V | 10.17 | 11.75 | 1.50 | — | 76.07 | 2.53 | — | — | — | 9.58 | 11.16 | 0.22 | 0.15 |
| 22234+3228 | WOR11 | M3.0V | 11.59 | 12.01 | 1.57 | — | 62.18 | 8.01 | 65.86 | 0.10 | 3692 | 10.68 | 11.10 | 0.16 | 0.15 |
| 22455+1112 | BU711AB | K6V: | 10.25 | 11.43 | 1.13 | 0.0001 | 24.37 | 3.30 | 23.00 | 0.02 | 4538 | 7.06 | 8.24 | 0.46 | 0.35 |
| 22536+3756 | RUC15AB | G5V+K9V | 6.81 | 9.40 | 0.75 | — | 12.30 | 1.26 | 14.13 | 0.05 | 5248 | 2.55 | 5.14 | 1.58 | 0.69 |

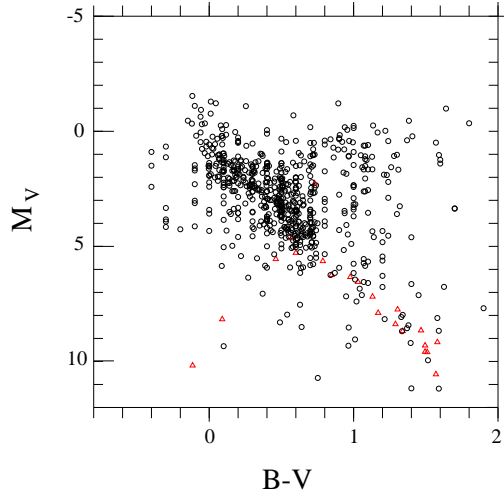


Fig. 3 Color-magnitude diagram of the binaries measured in Table 1, for which the Hipparcos parallaxes have a relative error smaller than 50% (i.e., 686 objects). In this figure, the systems containing red dwarf stars are plotted as red triangles, whereas the other objects are drawn as black circles.

Paper IV. We plotted in Fig. 5 those individual masses as a function of the parallax. As discussed in Paper IV, this plot is indicative only, because of its strong dependence on the uncertainties on the parallax, and on the determination of the spectral type of the components, which are still poorly known.

The subsample of systems containing red dwarfs that we reported in Table 2 should be considered as

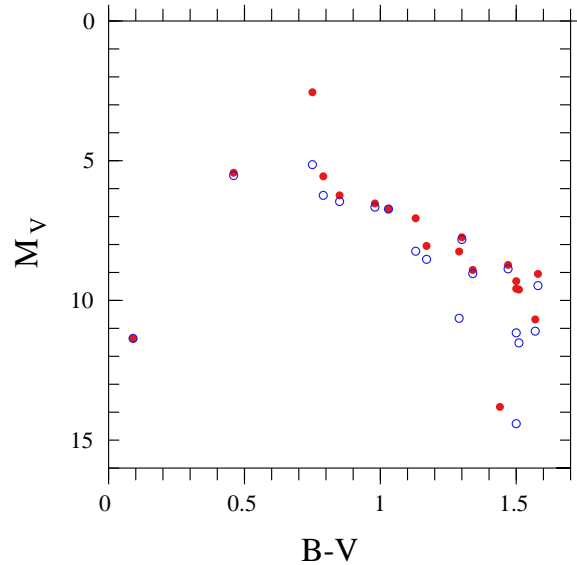


Fig. 4 Color-magnitude diagram with the absolute visual magnitude M_V versus the $B-V$ index of the double stars measured in Table 1 that contain a red dwarf component. The locations of the primary and secondary components are drawn as red filled circles and blue open circles, respectively.

incomplete among our observations, since precise spectral types and luminosity classes are still missing for many double stars in the WDS catalog.

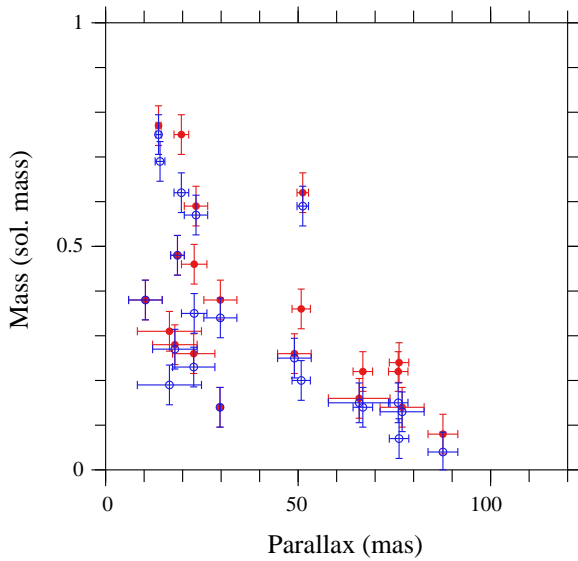


Fig. 5 Mass versus parallax diagram of the double stars measured in Table 1 that contain a red dwarf component. The masses \mathcal{M}_1 and \mathcal{M}_2 of the components 1 and 2 are drawn as red and blue circles, respectively.

2.2 Optical setup and observing procedure

The observations reported here were made with PISCO2 mounted on the “Grand Equatorial” of OCA Observatory. The optical setup was the same as for the previous observations and is described in Paper IV. In particular, we have used the AF filter whose passband is very close to standard V.

For the observations of December 2013 — January 2014, R. Gili used PISCO2 in its larger field of view and smaller magnification scale configuration that was better suited to wide double stars. PISCO2 was used in its standard high magnification configuration for the observations of 2015.

The observing procedure was the same as for the observations presented in Papers III and IV. We invite the reader to look at those papers for more details.

2.3 Scale and position angle calibration

The astrometric calibration of the magnification scale of PISCO2 was done with a calibration grating mask (see Paper II). With no binning, the scale value was found to be $0''.455/\text{pixel}$ and $0''.0738/\text{pixel}$ on the camera sensor for the observations made in 2013–2014 and in 2015, respectively. In that latter case, the diffraction limit in V of $0''.16$ (see Sect. 2.2) corresponds to 2.16 pixels, which is in agreement with Shannon’s sampling criteria (i.e. the diffraction diameter is sampled by more than two pixels).

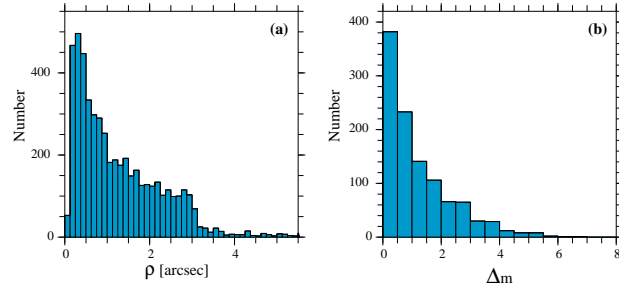


Fig. 6 Distribution of the double star systems observed in 2013–2015: (a) angular separations of the measurements (with a limited range in angular separation for better visibility, since there are very few large separations), and (b) differences of magnitude Δm measured with Lucky Imaging and direct vector methods.

The calibration of the origin of the position angles was done by recording star trails caused by the diurnal motion. The orientation of our images on the detector was approximately conventional, with North to the bottom, and East to the right. After measuring a series of star trail images, we found: $\theta_{\text{sky}} = 90.99 + \theta_{\text{frame}}$, where θ_{sky} and θ_{frame} are the angular positions on the sky and on the EMCCD frame in degrees, respectively.

3 Relative astrometric and photometric measurements

The relative astrometric and photometric measurements that we obtained with PISCO2 in 2013–2015 are displayed in Table 1 (in the printed version of this paper, only the beginning of this table is displayed; the full dataset is only available in the electronic version). They concern 2837 visual double stars or multiple objects, with 5182 position measurements and 150 cases of unresolved observations.

In this table, for each object we successively give its WDS name in Col. 1, the official double star designation in Col. 2 (sequence is “discoverer-number”, with its components if that is the case), the epoch of observation in Julian years (Col. 3), a code about the magnification used when acquiring the image in Col. 4 (binning factor ‘1’ or ‘2’ if high magnification, or ‘5’ if small magnification), the angular separation ρ (Col. 5) between the two components with its error (Col. 6) in arcseconds, and the position angle θ (Col. 7) with its error (Col. 8) in degrees, measured from the North and positive to the East, Δm , the measured difference of magnitudes between the two components, (Col. 9), and some notes in Col. 10 (‘LY’ for LuckyY imaging, ‘NR’ for ‘Not Resolved’, and ‘NDg’ or ‘NDp’ for new doubles, that have been found by R. Gili or by us during the processing, respectively).

The ($O - C$) (Observed minus Computed) residuals of the measurements for the systems with a known orbit are displayed in Cols. 12 and 13 for the residuals in angular separation and position angle, respectively. The orbital elements used for computing the ephemerides were retrieved from the “Sixth Catalogue of Orbits of Visual Binary Stars” (Matson et al., 2022, hereafter OC6). The corresponding authors are given in Col. 11, using the style of the OC6 references. A superscript Q was added to θ residuals in Col. 13 when the quadrants of our measurements were not in agreement with those used for the orbits.

The distribution of the 5182 angular separations measured in this paper is displayed in Fig. 6a and shows a maximum for $\rho \approx 0''.4$. The largest separation of $\rho = 31''.9$ was obtained for POU87AH. The smallest separation was measured for TDS1921Aa,Ab with $\rho = 0''.10$, which is smaller than the diffraction limit of our refractor (see Sect. 2.2). The residuals of our measurements with published orbits will be discussed in Sect. 5.

A superscript * was added to θ measurements in Col. 7 when we could determine the quadrants of the measurements, i.e., when our observations allowed us to solve the 180° ambiguity of the autocorrelation frames. When this was not possible, we used the quadrant of the last observations from the WDS catalog. Eventually when such observations were missing, we assumed that the quadrant was equal to 1 or 2 (i.e. the companion was lying in the $[0^\circ, 90^\circ]$ or $[90^\circ, 180^\circ]$ sectors).

The difference of magnitudes Δm between the two components with the wide-band filter that we used for the observations (see Paper I), was obtained either from the Lucky Imaging or the DVA method. It is reported in Col. 9, and concerns 1079 objects (see Fig. 6b). By comparing the measurements obtained for the same objects, we estimated the average (internal) errors at about 0.2 mag.

The average errors determined by our `Gdpisco` program are $0''.018 \pm 0''.013$ and $0^\circ.8 \pm 0^\circ.8$ for ρ and θ respectively. Errors on individual measurements were computed from the background level noise. They are consistent with the variations seen in repeated measurements of the same systems. Indeed the background removal on the autocorrelation spots is the critical step of the measurement procedure. Since the frame scale was $0''.0738/\text{pixel}$ when using the high magnification configuration of PISCO2, those values indicate that the location of the secondary peaks of the autocorrelations was determined with a mean accuracy of about 1/5th of a pixel in that configuration. Some examples of the high-contrast filtered autocorrelation files obtained for multiple systems are displayed in Fig. 7.

4 New double stars

During his observations in 2015, R. Gili found 45 new double stars that are reported in Table 1 with the mention 'NDg' in Col. 10. Most of them are new components of known double stars, but some are new objects whose duplicity was discovered when observing other targets. This was the case of 03573+5051:COU2357, 09095+0256:STT197 and 21354+3837:ES1995, for which our measurements are incompatible with the other measurements of those objects in the WDS catalog. They might be new double stars found by R. Gili at the same (or very close) location of those already known objects. We also found 118 other new components during the processing stage, mainly very close components that were not seen by R. Gili during the observations, which are labeled as 'NDp' in col. 10 of Table 1. In agreement with the current denomination adopted by the WDS, we noted the new couples as 'Aa,Ab', 'AC', ..., in Col. 2 of Table 1. Some examples of autocorrelations showing those new components (NDg) or (NDp) are displayed in Fig. 8.

The measurements of those 164 new doubles stars are reported in Table 3, which has the same column description as Table 1, that was described in the beginning of this section. We have added a last column with some data from the DR3 Gaia release. Indeed, we have looked for Gaia sources at the location of the companions of our new double stars. When a star was found close to that position, we report in that column the Gaia DR3 identification of the source, the mean G magnitude, and (ρ in arcseconds θ in degrees), the relative position of the source to the primary star defined as the brightest star close to the location of the WDS precise coordinates of the AB double star. That relative position was computed from the Gaia coordinates. Gaia DR3 data is based on data collected between 25 July 2014 and 28 May 2017. The epoch of those measurements is thus close to the epoch of our observations.

Unfortunately, the stellar companions of many WDS double stars are not found in the Gaia DR3 release, although their magnitude and angular separation are clearly in the range of possibilities by Gaia. We found the same behaviour with our list of new companions and found 33 Gaia DR3 sources corresponding to our new double stars, i.e, 20% of the list of the 164 new double stars. The absence of detection can also be explained by the very small angular separation of some of our objects. The mean values of the differences between our measurements and our estimates from Gaia DR3 data in Table 3 are $0''.01 \pm 0''.25$ and $-0^\circ.65 \pm 17^\circ.3$ for ρ and θ respectively (after rejecting the outliers).

Some of the new double stars have been monitored since their discovery and are included in the list of R. Gili's new double stars discoveries (Gili, 2016). In Table 3, they correspond to the objects whose names

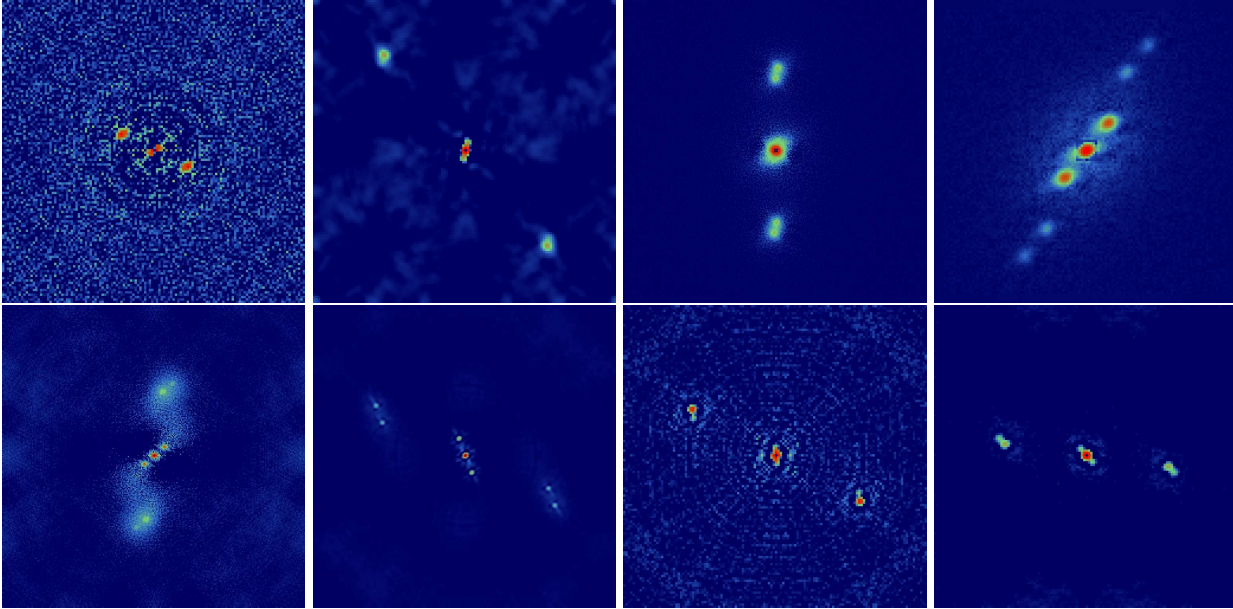


Fig. 7 High-contrast filtered autocorrelations of some multiple systems observed in 2015. From left to right and top to bottom: A299BC, A1777AB, BU1320BC, ES2158, HU826AB, HUT1AB, KU11Aa-Ab, and STF2282BC. North direction is to the bottom and East to the right.

start with GII. More observations are required to confirm the other new couples of this table. We encourage other observers to confirm our discovery.

5 Residuals with published orbits

5.1 Comparison with published ephemerides

The residuals from published orbits that have been computed with our measurements of Table 1 are plotted in Fig. 9a. Among those 592 residuals, this plot gives the names of some objects with the largest residuals, that will be discussed later in this section. The other residuals are well centered around the origin, with a rather large scatter.

Among the orbits used for this paper, we have also used orbits that our group has recently published (Ling et al., 2023, Scardia et al., 2023)

The mean values computed with the residuals of Table 1 are $\langle \Delta\rho_{O-C} \rangle = 0''.012 \pm 0''.042$ and $\langle \Delta\theta_{O-C} \rangle = -0''.08 \pm 4''.4$ (after rejecting the outliers). In both cases, the offsets are very close to zero, with absolute values much smaller than the standard deviations which provides a validation of our calibration (see Sect. 2.3). The rather large standard deviation that can be explained by the poor quality of many orbits due to their old age and the lack of observations.

The measurements with the largest residuals of Table 1, such that $\Delta\rho > 0''.2$ or $\Delta\theta_{O-C} > 20^\circ$, are reported in Table 4, which has the same description as Table 1. In the last column, we added some other recent measurements from the WDS in the format $(\rho \theta)$ with ρ in arcseconds and θ in degrees. Most of those

objects have been poorly monitored until now and the other measurements that are reported in the WDS catalog for similar epochs are in fair agreement with ours. Clearly those orbits still need additional measurements to be more precise.

We plotted in Fig. 9a the residuals of Table 1 with the latest published orbits. In this plot, we see that COU1212 (Couteau, 1999, grade 5), HO366AB (Zirm, 2010, grade 4), KU39 (Mason et al., 2006, grade 5) KUI95AB (Soderhjelm, 1999, grade 5) MLR3 (Mason and Hartkopf, 2001, grade 5) appear as outliers with large residuals.

For the objects of that list, the orbits are poorly known, with Grades of 4 or 5 in the OC6: their observations are scarce in the WDS, and only small arcs of orbits have been monitored until now. Clearly more measurements are needed for obtaining reliable orbits of those objects.

If we consider the best orbits only, for instance the orbits of Grade 1 in OC6, the plot of the residuals of Table 1 becomes much more concentrated (see Fig. 9b). This shows that the dispersion of Fig. 9a is caused by the poor quality of most of the orbits.

5.2 Measurements under the diffraction limit

In Table 1, there are 196 measurements with an angular separation smaller than $0''.16$, which is the diffraction limit of our instrumentation (see Sect. 2.2). Some examples of autocorrelations of very close double stars that were processed with our high contrast numerical filters were shown in Paper IV. As expected the auto-

Table 3 Table of the new double stars discovered with the observations made in 2013–2015 (first measurements only, from Table 1), i.e. the 'NDg' and 'NDp' objects (see text).

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm (mag) | Notes | Gaia: source-id m_g (ρ , θ) |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|---------------------|---------|---|
| 00023+3257 | HO209Aa,Ab | 2015.984 | 1 | 0.354 | 0.016 | 30.9 | 0.9 | | NDp | |
| 00024+2518 | POU5883AC | 2013.922 | 5 | 10.154 | 0.056 | 195.7 | 0.3 | 1.76 | NDp | |
| 00091+4051 | BU483Aa,Ab | 2015.828 | 1 | 0.277 | 0.027 | 51.4 | 2.6 | | NDp | |
| 00140+2507 | POU10AC | 2013.925 | 5 | 17.380 | 0.084 | 268.5 | 0.3 | 5.34 | NDp | |
| 00146+4452 | A646Aa,Ab | 2015.987 | 1 | 0.368 | 0.023 | 37.3 | 0.7 | | NDp | |
| 00167+3638 | STF19Aa,Ab | 2015.897 | 1 | 0.446 | 0.014 | 89.5 | 1.7 | | NDp | |
| 00228+4614 | GII105Ba,Bb | 2015.880 | 1 | 0.151 | 0.007 | 275.6 | 0.3 | 0.04 | NDg | |
| 00393+4050 | GII109Ba,Bb | 2015.995 | 1 | 0.305 | 0.007 | 11.7 | 0.3 | | NDg | |
| 00443+2444 | POU60AC | 2013.925 | 5 | 10.222 | 0.048 | 159.3 | 0.3 | 3.22 | NDp | |
| 00443+2444 | POU60AD | 2013.925 | 5 | 13.144 | 0.288 | 355.7 | 3.3 | 4.69 | NDp | #2806498692550137472 17.39 (13.32, 4.3) |
| 00491+5749 | STF60Aa,Ab | 2015.847 | 1 | 5.104 | 0.026 | 134.0 | 0.3 | | NDp | |
| 00525+2406 | POU71Aa,Ab | 2013.925 | 5 | 3.847 | 0.042 | 196.3 | 0.3 | 1.06 | NDg | #2804680993670497536 15.32 (3.82, 163.8) |
| 01007+2439 | POU87AC | 2013.925 | 5 | 7.639 | 0.042 | 346.4 | 0.3 | 5.12 | NDp | #2804385186388729216 17.47 (7.81, 372.3) |
| 01007+2439 | POU87AD | 2013.925 | 5 | 9.088 | 0.042 | 225.9 | 0.3 | 2.00 | NDp | |
| 01007+2439 | POU87AE | 2013.925 | 5 | 19.143 | 0.162 | 234.3 | 2.3 | 2.55 | NDp | #2804385190683409920 14.85 (19.25, 305.6) |
| 01007+2439 | POU87AF | 2013.925 | 5 | 22.966 | 0.197 | 143.0 | 3.3 | 3.70 | NDp | #2804385190683410176 16.05 (23.17, 142.9) |
| 01007+2439 | POU87AG | 2013.925 | 5 | 28.077 | 0.297 | 231.5 | 4.3 | 4.53 | NDp | #2804385186387775488 16.75 (28.31, 308.3) |
| 01007+2439 | POU87AH | 2013.925 | 5 | 31.936 | 0.347 | 63.8 | 5.3 | 5.47 | NDp | |
| 01062+2509 | COU77Ba,Bb | 2015.935 | 1 | 0.268 | 0.007 | 220.0 | 0.3 | 0.76 | NDg | |
| 01062+2509 | COU77AC | 2015.943 | 1 | 3.136 | 0.052 | 228.9 | 0.7 | | NDg | #306321916568872192 11.36 (2.79, 309.0) |
| 01078+2452 | POU100AC | 2013.923 | 5 | 23.299 | 0.019 | 281.9 | 0.3 | 1.50 | NDp | #306252162005113984 13.88 (23.65, 258.3) |
| 01240+0016 | RST4746Aa,Ab | 2015.853 | 1 | 0.504 | 0.013 | 200.1* | 0.5 | 0.08 | NDg | |
| 01256+2331 | TOK11AC | 2015.935 | 1 | 4.162 | 0.021 | 49.1 | 0.3 | 4.46 | LY, NDg | |
| 01279+2344 | POU131AC | 2013.964 | 5 | 6.332 | 0.042 | 88.2 | 0.3 | 3.01 | NDp | #290323296536532224 15.31 (6.41, 88.7) |
| 01333+4320 | TDS54Aa,Ab | 2015.001 | 1 | 0.210 | 0.020 | 57.4 | 4.3 | | NDp | |
| 01351+4613 | TDS1921Aa,Ab | 2015.001 | 1 | 0.100 | 0.087 | 61.6 | 7.7 | | NDp | |
| 01379+2753 | MLB516AC | 2015.935 | 1 | 2.407 | 0.032 | 230.8* | 0.3 | 0.72 | NDg | |
| 01515+4117 | HDS252Aa,Ab | 2015.015 | 1 | 0.171 | 0.032 | 39.8 | 5.2 | | NDp | |
| 01538+3634 | COU857Aa,Ab | 2015.995 | 1 | 1.863 | 0.108 | 144.8 | 2.2 | | NDg | |
| 01551+2847 | STF183AB,D | 2015.031 | 1 | 5.727 | 0.029 | 161.8 | 0.3 | | NDp | #299177771048596352 9.21 (5.66, 161.1) |
| 01572+2429 | POU152BD | 2013.964 | 5 | 16.665 | 0.064 | 273.8 | 0.3 | 5.62 | NDp | #105029473854037888 16.82 (16.67, 273.8) |
| 02217+4537 | POP142Aa,Ab | 2015.880 | 1 | 3.817 | 0.019 | 284.4 | 0.3 | 3.57 | LY,NDg | |
| 02329+1502 | TOK12Aa,Ab | 2015.020 | 1 | 0.118 | 0.013 | 306.2 | 6.8 | | NDp | |
| 02388+3325 | STF285Aa,Ab | 2015.984 | 1 | 0.374 | 0.007 | 39.2 | 1.1 | | NDp | |
| 02390+3729 | J881Aa,Ab | 2015.987 | 1 | 0.187 | 0.036 | 102.1 | 3.7 | | NDp | |
| 03058+3202 | HDS393Aa,Ac | 2015.061 | 1 | 0.195 | 0.038 | 35.6 | 4.5 | | NDp | |
| 03194+4304 | ES1514AC | 2015.015 | 1 | 1.702 | 0.011 | 54.8 | 0.3 | | NDg | #241248626553149696 11.56 (1.30, 44.9) |
| 03228+2045 | HDS423AF | 2015.987 | 1 | 4.798 | 0.024 | 47.2 | 0.3 | | NDp | |
| 03228+2045 | HDS423AE | 2015.987 | 1 | 4.341 | 0.022 | 86.3 | 0.3 | | NDp | |
| 03228+2045 | HDS423AD | 2015.987 | 1 | 2.179 | 0.011 | 86.0 | 0.3 | | NDp | |
| 03228+2045 | HDS423AC | 2015.987 | 1 | 2.033 | 0.011 | 97.2 | 0.3 | | NDp | |
| 03342+7335 | SKF251Aa,Ab | 2015.281 | 1 | 1.703 | 0.021 | 101.7* | 0.3 | | NDg | |
| 03573+5051 | COU2357Aa,Ab | 2015.108 | 1 | 0.452 | 0.007 | 225.3* | 1.1 | | NDg | |
| 05458+5143 | COU2591AC | 2015.135 | 1 | 3.541 | 0.037 | 193.1* | 0.3 | | NDp | #215306233809058816 14.58 (3.57, 167.4) |
| 05563+2005 | COU375Aa,Ab | 2015.135 | 1 | 0.146 | 0.031 | 160.0 | 5.7 | | NDg | |
| 06012+3516 | HO511AD | 2015.130 | 1 | 4.793 | 0.221 | 167.3 | 0.6 | | NDp | #3451985101220374400 11.19 (4.01, 173.4) |
| 06207+0517 | CAT2AC | 2015.355 | 1 | 1.587 | 0.014 | 34.7 | 1.0 | | NDg | |
| 06477+2343 | J1104Aa,Ab | 2015.168 | 1 | 0.435 | 0.043 | 97.4* | 2.2 | | NDp | |
| 07017+1511 | J1059AF | 2015.114 | 1 | 1.798 | 0.009 | 247.0* | 0.3 | | NDp | #3354021123447936128 12.88 (1.80, 292.8) |
| 07032+3457 | COU1739AC | 2015.114 | 1 | 1.321 | 0.014 | 91.1* | 0.7 | | NDp | #939619173691425792 12.24 (1.31, 103.8) |
| 07032+3457 | GII82Aa,Ab | 2015.114 | 1 | 0.283 | 0.036 | 173.1* | 3.0 | | NDg | |
| 07051+1519 | HEI49Aa,Ab | 2015.136 | 1 | 0.156 | 0.017 | 145.8 | 5.1 | | NDg | |
| 07096+3828 | STF1021A,BD | 2015.209 | 1 | 4.097 | 0.029 | 18.4 | 0.4 | | NDp | #946626636174819840 10.98 (4.07, 17.5) |
| 07215+2514 | A2736AD | 2015.136 | 1 | 9.311 | 0.052 | 155.5 | 0.3 | | NDp | #870179443825854208 11.32 (9.79, 145.7) |
| 07519+1515 | HEI53AB | 2015.114 | 1 | 0.709 | 0.051 | 125.2 | 2.5 | | NDg | |
| 08008+4058 | ES1539Aa,Ab | 2015.168 | 1 | 0.183 | 0.023 | 124.7 | 6.5 | | NDp | |
| 08202+1700 | STF1214A,BD | 2015.130 | 1 | 5.156 | 0.027 | 359.8 | 0.3 | | NDp | #656166381721438080 12.05 (5.15, 0.7) |
| 09062+3314 | COU1560AC | 2015.267 | 1 | 1.387 | 0.015 | 295.6 | 0.4 | | NDp | #712570537952141056 12.54 (1.35, 243.1) |
| 09095+0256 | STT197Aa,Ab | 2015.168 | 1 | 0.475 | 0.033 | 336.0* | 1.0 | | NDg | |
| 09120+4531 | YSC91Aa,Ab | 2015.212 | 1 | 0.355 | 0.015 | 221.9* | 1.1 | | NDp | |
| 09530+2638 | COU1123AC | 2015.281 | 1 | 2.115 | 0.011 | 60.0 | 0.3 | | NDp | |
| 10343+1802 | YSC40Aa,Ab | 2015.267 | 1 | 0.182 | 0.021 | 95.8 | 7.3 | | NDp | |
| 11206+4324 | A1846Aa,Ab | 2015.300 | 1 | 0.185 | 0.025 | 42.3 | 2.8 | | NDp | |
| 11367+2128 | STF1558AD | 2015.300 | 1 | 1.092 | 0.007 | 178.9 | 0.8 | | NDp | #3979439589478670208 10.20 (1.29, 166.7) |
| 11367+2128 | GII95Aa,Ab | 2015.300 | 1 | 0.381 | 0.051 | 119.7 | 2.9 | | NDg | |
| 11397+5036 | COU2101AC | 2015.267 | 1 | 3.339 | 0.017 | 195.8* | 0.4 | | NDg | |
| 11413+5846 | TDS7988AC | 2015.303 | 1 | 1.711 | 0.009 | 298.1* | 0.3 | | NDg | |
| 11518+1614 | BRT1275AC | 2015.121 | 2 | 4.838 | 0.022 | 108.2 | 0.3 | 2.70 | NDg | |
| 11528+4336 | GII94AE | 2015.270 | 1 | 4.715 | 0.024 | 317.2* | 0.6 | | NDg | #769901337673742720 13.87 (4.35, 66.2) |
| 11528+4336 | GII94AD | 2015.121 | 1 | 4.364 | 0.022 | 293.9* | 0.3 | 4.12 | NDg | |
| 11576+1742 | COU296Aa,Ab | 2015.355 | 1 | 0.261 | 0.007 | 39.4 | 2.0 | | NDp | |
| 12021+4303 | HDS1690Da,Dc | 2015.281 | 1 | 0.327 | 0.017 | 30.8 | 0.8 | | NDp | |
| 12102+1858 | A2057Aa,Ab | 2015.355 | 1 | 0.162 | 0.010 | 29.3 | 4.9 | | NDp | |
| 12167+4424 | HDS1729AC | 2015.281 | 1 | 0.528 | 0.007 | 37.7 | 0.3 | | NDp | |
| 12223+4826 | YSC45Aa,Ab | 2015.121 | 1 | 0.329 | 0.007 | 48.2 | 0.3 | 1.69 | LY, NDp | |

Notes: In column 7, the superscript * indicates that the position angle θ could be determined without the 180° ambiguity.

Table 3 Table of the new double stars discovered in 2013–2015 (cont.)

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm (mag) | Notes | Gaia: source-id m_g (ρ , θ) |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|---------------------|-------|---|
| 12492+2147 | STF1680Aa,Ab | 2015.355 | 1 | 0.263 | 0.015 | 34.3 | 1.2 | | NDp | |
| 12566+2101 | HO538Aa,Ab | 2015.355 | 1 | 0.290 | 0.017 | 40.6 | 1.2 | | NDp | |
| 13055+4141 | ES125Aa,Ab | 2015.374 | 1 | 0.295 | 0.054 | 34.4 | 2.6 | | NDp | |
| 13059+4516 | BU930Aa,Ab | 2015.355 | 1 | 0.160 | 0.053 | 27.2 | 5.2 | | NDp | |
| 13258+4430 | A1609AB,E | 2015.374 | 1 | 2.855 | 0.017 | 41.3 | 0.3 | | NDp | #1549775731138150400 11.74 (2.71, 318.7) |
| 13329+4408 | HDS1899Aa,Ab | 2015.355 | 1 | 0.303 | 0.013 | 29.4 | 0.8 | | NDp | |
| 14063+2200 | HDS1978Aa,Ab | 2015.377 | 1 | 0.348 | 0.013 | 33.4 | 2.1 | | NDp | |
| 14111+3628 | HU1264AC | 2015.374 | 1 | 1.710 | 0.009 | 2.1 | 0.6 | | NDp | #1482719574978490496 11.60 (1.36, 0.9) |
| 14122+4225 | HO57Aa,Ab | 2015.355 | 1 | 0.373 | 0.007 | 23.9 | 0.7 | | NDp | |
| 14164+3708 | HDS2005Aa,Ab | 2015.437 | 1 | 0.129 | 0.015 | 173.4 | 1.8 | | NDg | |
| 14325+4911 | STT581A,BE | 2015.404 | 1 | 8.182 | 0.117 | 38.7 | 0.7 | | NDp | |
| 14325+4911 | STT581AD | 2015.404 | 1 | 6.681 | 0.033 | 130.4 | 0.3 | | NDp | #1603382317471039360 11.85 (6.68, 130.5) |
| 14419+2107 | HDS2071AC | 2015.437 | 1 | 0.488 | 0.007 | 28.1 | 0.7 | | NDg | |
| 14503+2355 | POT1Ba,Bb | 2015.355 | 1 | 0.387 | 0.018 | 31.8 | 1.1 | | NDp | |
| 15209+4540 | HDS2157Aa,Ab | 2015.437 | 1 | 0.312 | 0.007 | 126.1 | 0.9 | | NDp | |
| 15477+3902 | TDS788 | 2015.483 | 1 | 2.228 | 0.014 | 355.4* | 0.3 | 3.34 | NDp | #1376808288503511296 12.21 (2.23, 4.9) |
| 16199+2728 | TDS9841AC | 2015.483 | 1 | 4.732 | 0.024 | 0.4 | 0.3 | 3.58 | NDp | #1305302310001481088 14.41 (4.74, 0.6) |
| 16417+3628 | BU1199AD | 2015.513 | 1 | 3.005 | 0.083 | 290.5 | 0.6 | | NDp | |
| 16417+3628 | BU1199Aa,Ab | 2015.121 | 1 | 0.504 | 0.007 | 215.9 | 0.3 | 0.30 | NDg | |
| 16492+4559 | BU627A,BG | 2015.494 | 1 | 1.977 | 0.011 | 36.0 | 0.8 | | NDp | #1407474737248225024 8.96 (2.12, 43.0) |
| 17142+2731 | COU495Aa,Ab | 2015.484 | 1 | 0.187 | 0.037 | 115.7 | 1.6 | | NDg | |
| 17326+3445 | HU1181AC | 2015.494 | 1 | 0.305 | 0.023 | 312.4* | 1.8 | | NDp | |
| 17383+4242 | A694Aa,Ab | 2015.494 | 1 | 0.263 | 0.029 | 124.4 | 1.1 | | NDp | |
| 17504+3526 | STF2236AC | 2015.508 | 1 | 3.286 | 0.023 | 103.4 | 0.3 | | NDp | #4608098213204448640 10.02 (3.43, 98.0) |
| 17559+4351 | ES1415Aa,Ab | 2015.612 | 1 | 0.322 | 0.023 | 32.5 | 3.2 | | NDp | |
| 17574+3540 | HO73Ca,Cb | 2015.598 | 1 | 0.200 | 0.007 | 115.6 | 0.7 | | NDg | |
| 18051+3819 | J1218Aa,Ab | 2015.519 | 1 | 0.312 | 0.022 | 113.3 | 1.8 | | NDp | |
| 18211+3917 | COU1459Aa,Ab | 2015.519 | 1 | 0.463 | 0.007 | 157.1* | 1.6 | 0.16 | NDp | |
| 18570+3254 | BU648AJ | 2015.683 | 1 | 4.327 | 0.022 | 104.5 | 0.5 | | NDp | |
| 18570+3254 | BU648AI | 2015.683 | 1 | 3.256 | 0.016 | 89.0 | 0.4 | | NDp | |
| 18570+3254 | BU648AH | 2015.683 | 1 | 2.189 | 0.011 | 104.3 | 0.3 | | NDp | |
| 18570+3254 | BU648AG | 2015.683 | 1 | 2.059 | 0.015 | 117.1 | 0.4 | | NDp | |
| 19083+2706 | HO98Aa,Ab | 2015.566 | 1 | 0.217 | 0.009 | 66.3* | 2.1 | | NDg | |
| 19101+3252 | COU1313Aa,Ab | 2015.680 | 1 | 0.215 | 0.010 | 234.3* | 1.4 | | NDp | |
| 19127+2435 | MAD7AH | 2015.566 | 1 | 3.599 | 0.027 | 284.3 | 0.5 | | NDp | #2023570066239194880 11.85 (3.60, 249.6) |
| 19127+2435 | MAD7AG | 2015.585 | 1 | 0.637 | 0.089 | 122.6 | 0.9 | | NDp | |
| 19127+2435 | MAD7AF | 2015.585 | 1 | 0.454 | 0.015 | 9.7 | 2.7 | | NDp | |
| 19273+2040 | STF2527AD | 2015.648 | 1 | 3.686 | 0.018 | 24.9 | 0.3 | | NDp | #2017928059787353344 9.80 (4.28, 16.3) |
| 19290+1515 | A1651AC | 2015.730 | 1 | 1.116 | 0.009 | 286.2* | 0.9 | | NDg | |
| 19316+2659 | HDS2774AD | 2015.683 | 1 | 2.187 | 0.020 | 104.2* | 0.4 | | NDp | |
| 19316+2659 | HDS2774AC | 2015.683 | 1 | 2.097 | 0.027 | 115.9* | 0.6 | | NDp | |
| 19396+2945 | STF2557Aa,Ab | 2015.108 | 1 | 0.565 | 0.011 | 333.9 | 0.6 | | NDp | |
| 19422+2930 | HDS2794AD | 2015.683 | 1 | 2.138 | 0.039 | 104.8 | 0.5 | | NDp | |
| 19422+2930 | HDS2794AC | 2015.683 | 1 | 2.046 | 0.030 | 116.7 | 0.5 | | NDp | |
| 19425+3337 | J777AC | 2015.648 | 1 | 3.139 | 0.016 | 181.0 | 0.3 | | NDg | ##2046948913292699904 13.29 (3.14, 179.2) |
| 19490+1909 | AGC11AE | 2015.612 | 1 | 0.746 | 0.009 | 131.0* | 0.5 | | NDp | |
| 20079+1621 | HEI76AC | 2015.612 | 1 | 1.549 | 0.008 | 359.0* | 0.3 | | NDg | |
| 20180+3311 | HO592AB,D | 2015.765 | 1 | 3.068 | 0.015 | 254.1 | 0.3 | | NDp | #2054606221483136896 12.02 (3.06, 285.7) |
| 20191+3645 | BU1206Aa,Ab | 2015.661 | 1 | 0.246 | 0.060 | 134.2 | 0.6 | | NDp | |
| 20202+3838 | ES2052Aa,Ab | 2015.806 | 1 | 0.302 | 0.021 | 38.6 | 3.3 | | NDg | |
| 20310+3656 | AC18Aa,Ab | 2015.833 | 1 | 0.206 | 0.007 | 61.5 | 2.2 | | NDp | |
| 20340+3441 | STT408Aa,Ab | 2015.773 | 1 | 0.380 | 0.024 | 30.8 | 2.2 | | NDp | |
| 20359+3617 | TDT2405Aa,Ab | 2015.599 | 1 | 0.349 | 0.027 | 221.0* | 0.8 | | NDg | |
| 20397+4721 | A748Aa,Ab | 2015.784 | 1 | 0.210 | 0.035 | 42.8 | 5.6 | | NDp | |
| 20405+4343 | COU2540AC | 2015.637 | 1 | 3.590 | 0.021 | 220.5 | 0.3 | | NDg | |
| 20411+3516 | COU1963AB,D | 2015.612 | 1 | 1.801 | 0.013 | 41.4 | 0.3 | | NDp | |
| 20581+4043 | COU2430AB,D | 2015.828 | 1 | 3.216 | 0.056 | 3.2 | 0.6 | | NDp | |
| 21105+1958 | STF2767Aa,Ab | 2015.806 | 1 | 0.300 | 0.016 | 36.5 | 3.3 | | NDp | |
| 21111+4530 | BRT1146AC | 2015.852 | 1 | 4.791 | 0.038 | 243.2* | 0.7 | 1.18 | NDp | |
| 21111+4530 | BRT1146Aa,Ab | 2015.852 | 1 | 0.327 | 0.015 | 37.9 | 1.2 | | NDp | |
| 21135+1559 | HU767AC | 2015.656 | 1 | 2.179 | 0.011 | 283.6 | 0.3 | | NDg | |
| 21145+4542 | COU2436AC | 2015.784 | 1 | 4.957 | 0.025 | 266.1 | 0.3 | 3.73 | NDg | |
| 21206+4215 | LDS2511Aa,Ab | 2015.872 | 1 | 0.303 | 0.015 | 43.6 | 0.8 | | NDp | |
| 21209+4127 | HO156Aa,Ab | 2015.858 | 1 | 0.345 | 0.013 | 41.7 | 1.3 | | NDp | |
| 21313+4455 | POP137Aa,Ab | 2015.637 | 1 | 0.168 | 0.044 | 127.5 | 6.9 | | NDp | |
| 21354+3837 | ES1995Aa,Ab | 2015.872 | 1 | 0.968 | 0.027 | 8.4* | 0.5 | | NDg | |
| 21362+3003 | BU167AC | 2015.716 | 1 | 2.187 | 0.020 | 103.5 | 0.7 | | NDg | |
| 21402+4316 | AC20AD | 2015.872 | 1 | 2.178 | 0.025 | 279.9 | 0.4 | | NDp | |
| 21402+4316 | AC20AC | 2015.872 | 1 | 2.042 | 0.010 | 290.3 | 0.3 | | NDp | |
| 21501+1717 | COU14AD | 2015.765 | 1 | 2.197 | 0.011 | 284.6* | 0.3 | | NDp | |
| 21501+1717 | COU14AC | 2015.765 | 1 | 2.043 | 0.022 | 296.4* | 0.5 | | NDp | |
| 21561+2846 | GII104AC | 2015.880 | 1 | 1.907 | 0.010 | 104.6 | 0.3 | 3.98 | NDg | |
| 21561+2846 | COU837Aa,Ab | 2015.880 | 1 | 0.280 | 0.009 | 38.0 | 2.0 | | NDp | |
| 21589+3456 | POP91Aa,Ab | 2015.806 | 1 | 0.190 | 0.008 | 45.5 | 4.7 | | NDp | |
| 22005+6054 | MLR510AD | 2015.847 | 1 | 3.669 | 0.018 | 99.3* | 0.3 | | NDp | |
| 22005+6054 | MLR510AC | 2015.847 | 1 | 2.979 | 0.023 | 92.6* | 0.3 | 0.12 | NDp | |
| 22012+2650 | A306Aa,Ab | 2015.784 | 1 | 0.370 | 0.018 | 48.5 | 3.3 | | NDp | |
| 22077+0913 | HJ3090Aa,Ab | 2015.896 | 1 | 0.401 | 0.017 | 73.0* | 3.8 | 0.12 | NDp | |
| 22221+2155 | J2578Aa,Ab | 2015.765 | 1 | 0.190 | 0.013 | 128.8 | 2.5 | | NDp | |

Notes: In column 7, the superscript * indicates that the position angle θ could be determined without the 180° ambiguity.

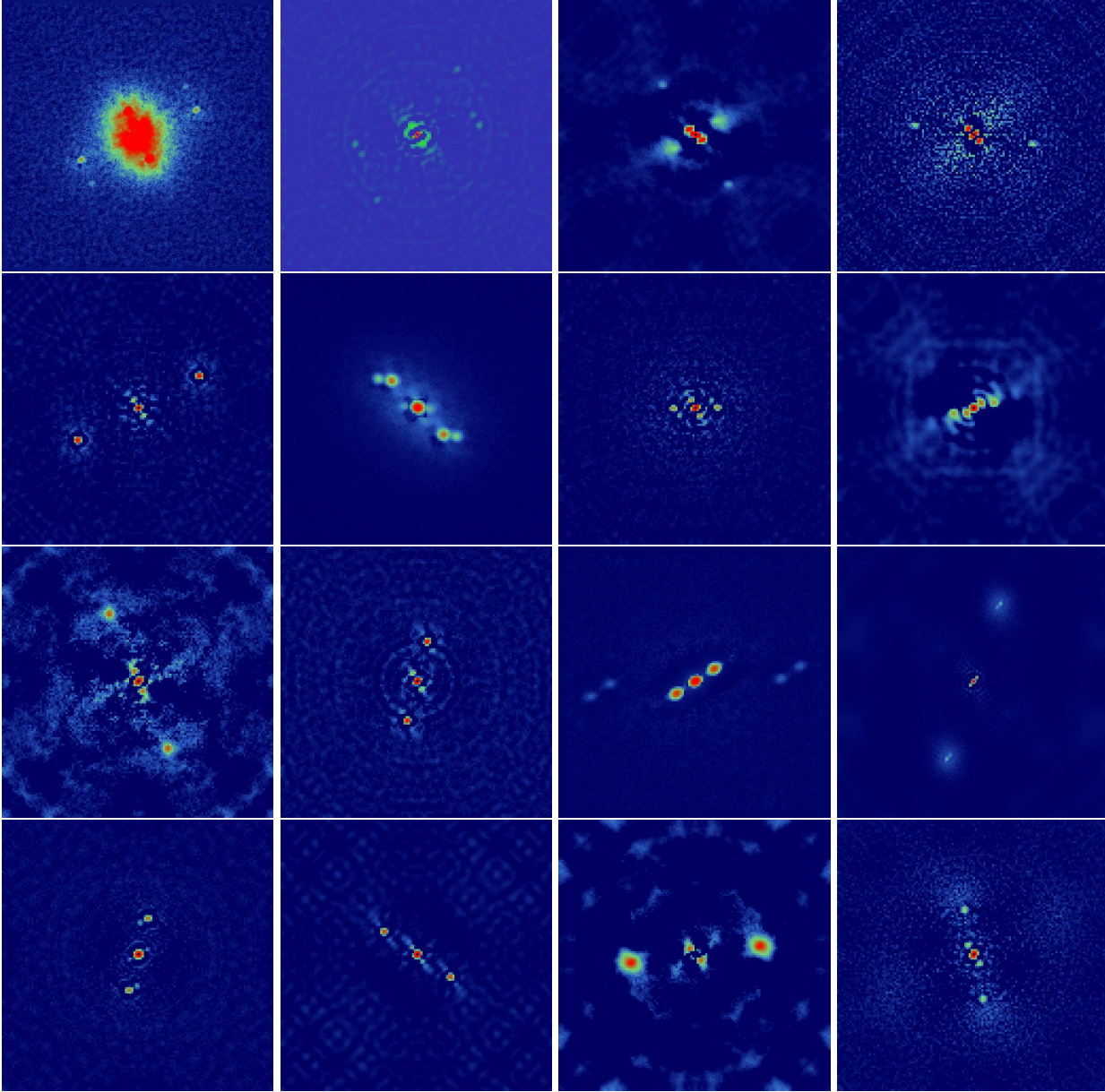


Fig. 8 High-contrast filtered autocorrelations of some double stars for which new components were found with our observations of 2015. From left to right and top to bottom: A1776AD=GII94AD (NDg), AC20AD (NDp), BU483Aa-Ab (NDp), COU339Aa-Ab (NDp), ES125Aa-Ab (NDp), ES1514Ba-Bb=GII90Ba-Bb (NDg), HDS1690Da-Dc (NDp), HDS2157Aa-Ab (NDp), HO57Aa-Ab (NDp), HO209Aa-Ab (NDp), MLR510AD (NDp), STF183AB-D (NDp), STF1558Aa-Ab=GII95Aa-Ab (NDg), STF2934Aa-Ab (NDp), STF3020Aa-Ab (NDp), and STT408Aa-Ab (NDp). North direction is to the bottom and East to the right.

correlation peaks were not clearly separated, but the central peak was elongated.

When an orbit was known, we reported those measurements and the corresponding residuals in Table 5, with the same notation as in Table 1. The mean value of the angular separation from the measurements of this table is $\langle \rho \rangle = 0''.133 \pm 0''.015$. With a scale of $0''.0738/\text{pixel}$ (see Sect. 2.3), this mean value corresponds to 1.8 pixels on the autocorrelation frames. Hence the average error on the position angle

of very close measurements is estimated at $7\text{--}8^\circ$ (see Paper IV).

The residuals from published orbits of the measurements of Table 5 are plotted in Fig. 10. The mean values computed with the residuals of Table 5 are $\langle \Delta \rho_{O-C} \rangle = -0''.023 \pm 0''.046$ and $\langle \Delta \theta_{O-C} \rangle = -2^\circ.1 \pm 9^\circ.5$ (after rejecting the outliers). Our measurements under the diffraction limit are therefore in good agreement with the ephemerides of published orbits, even though the uncertainties are larger in this case (the expected average errors are $0''.02$ for ρ , and $7\text{--}8^\circ$ for θ). Those mea-

Table 3 Table of the new double stars discovered in 2013–2015 (cont.)

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm (mag) | Notes | Gaia: source-id m_g (ρ , θ) |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|---------------------|--------|---|
| 22226+4738 | COU2327AC | 2015.806 | 1 | 4.902 | 0.025 | 358.7 | 1.3 | 3.83 | NDg | |
| 22226+4738 | COU2327AB | 2015.806 | 1 | 3.682 | 0.018 | 31.3 | 0.3 | 1.19 | NDg,LY | |
| 22302+4058 | ES1696BD | 2015.872 | 1 | 2.004 | 0.019 | 270.9* | 0.6 | | NDp | |
| 22376+3701 | ES2074Aa,Ab | 2015.935 | 1 | 0.339 | 0.023 | 35.0 | 4.4 | | NDp | |
| 22378+3641 | ES216Ba,Bb | 2015.828 | 1 | 0.200 | 0.008 | 41.3 | 3.3 | | NDp | |
| 22419+2126 | STF2934Aa,Ab | 2015.935 | 1 | 0.289 | 0.020 | 37.9 | 3.0 | | NDp | |
| 23024+6413 | MLR69AC | 2015.656 | 1 | 1.494 | 0.007 | 164.8* | 0.3 | | NDg | |
| 23026+4245 | BU1147AG | 2015.765 | 1 | 2.072 | 0.010 | 115.9 | 0.3 | | NDp | |
| 23026+4245 | BU1147AF | 2015.765 | 1 | 2.199 | 0.011 | 104.2 | 0.3 | | NDp | |
| 23026+4245 | BU1147AE | 2015.765 | 1 | 0.742 | 0.007 | 123.1 | 0.3 | | NDp | |
| 23175+1652 | HU497BD | 2015.061 | 1 | 0.486 | 0.015 | 86.3 | 2.3 | | NDp | |
| 23228+2322 | AZC129AC | 2013.922 | 1 | 22.861 | 0.027 | 207.3 | 1.3 | 4.69 | NDp | |
| 23276+1638 | STF3013Ca,Cb | 2015.935 | 1 | 0.294 | 0.009 | 36.2 | 1.8 | | NDp | |
| 23311+1818 | COU339Aa,Ab | 2015.828 | 1 | 0.303 | 0.010 | 43.8 | 1.0 | | NDp | |
| 23311+1847 | STF3020Aa,Ab | 2015.828 | 1 | 0.271 | 0.007 | 42.5 | 1.9 | | NDp | |
| 23449+1327 | HDS3375Aa,Ab | 2015.935 | 1 | 0.267 | 0.024 | 31.7 | 2.5 | | NDp | |
| 23588+4454 | HDS3405Aa,Ab | 2015.987 | 1 | 0.327 | 0.007 | 33.9 | 2.2 | | NDp | |
| 23591+3416 | HO206Aa,Ab | 2015.880 | 1 | 0.357 | 0.007 | 39.1 | 1.5 | | NDp | |

Notes: In column 7, the superscript * indicates that the position angle θ could be determined without the 180° ambiguity.

Table 4 Measurements made in 2015 with large residuals: values, i.e., with $|\rho_{O-C}| > 0''.2$ or $|\theta_{O-C}| > 20^\circ$.

| WDS | Name | Epoch | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Orbit | $\Delta\rho_{(O-C)}$ ($''$) | $\Delta\theta_{(O-C)}$ ($^\circ$) | Grade | WDS meas. |
|------------|---------|----------|--------------------|---------------------------|--------------------------|---------------------------------|----------|----------------------------------|--|-------|-----------------|
| 01105+3917 | COU1212 | 2015.880 | 0.253 | 0.022 | 169.5* | 0.7 | Cou1999b | -0.31 | 47.6 ^Q | 5 | 2013 (0.3, 174) |
| 01105+3917 | COU1212 | 2015.880 | 0.266 | 0.022 | 168.8* | 1.1 | Cou1999b | -0.29 | 46.9 ^Q | 5 | |
| 01570+3101 | A819AB | 2015.935 | 0.184 | 0.007 | 18.5* | 1.0 | Hrt2009 | -0.07 | 22.9 | 3 | |
| 08127+2613 | A2471 | 2015.136 | 0.341 | 0.007 | 61.2* | 1.7 | Lin2010c | 0.08 | 22.4 | 5 | |
| 08127+2613 | A2471 | 2015.136 | 0.345 | 0.007 | 63.0* | 2.1 | Lin2010c | 0.09 | 24.2 | 5 | |
| 09279+3128 | HO366AB | 2015.270 | 0.166 | 0.047 | 222.2 | 5.6 | Zirm2010 | -0.021 | -51.0 ^Q | 4 | |
| 09279+3128 | HO366AB | 2015.270 | 0.186 | 0.021 | 224.8 | 4.3 | Zirm2010 | 0.007 | -49.6 ^Q | 4 | |
| 09477+2036 | COU284 | 2015.209 | 0.131 | 0.023 | 145.4 | 6.7 | Doc2019c | 0.04 | -33.0 | 4 | |
| 09477+2036 | COU284 | 2015.209 | 0.138 | 0.015 | 152.9 | 7.4 | Doc2019c | 0.04 | -25.5 | 4 | |
| 09477+2036 | COU284 | 2015.209 | 0.113 | 0.017 | 144.6 | 7.6 | Doc2019c | 0.02 | -34.0 | 4 | |
| 09477+2036 | COU284 | 2015.209 | 0.145 | 0.041 | 142.6 | 1.4 | Doc2019c | 0.05 | -36.0 | 4 | |
| 10367+1522 | DAE3BC | 2015.210 | 0.170 | 0.056 | 294.1 | 4.9 | Jnn2017b | -0.01 | -24.9 | 3 | |
| 10367+1522 | DAE3BC | 2015.210 | 0.132 | 0.053 | 296.9 | 4.8 | Jnn2017b | -0.05 | -22.1 | 3 | |
| 10367+1522 | DAE3BC | 2015.300 | 0.143 | 0.047 | 297.7* | 0.3 | Jnn2017b | -0.04 | -23.1 | 3 | |
| 11374+4728 | KU39 | 2015.267 | 1.179 | 0.007 | 141.4 | 0.3 | WSI2006b | 0.30 | -8.0 | 5 | |
| 11374+4728 | KU39 | 2015.267 | 1.181 | 0.007 | 140.6 | 0.4 | WSI2006b | 0.30 | -8.8 | 5 | |
| 19458+2710 | KUI95AB | 2015.599 | 2.249 | 0.011 | 59.8* | 0.3 | Sod1999 | -0.24 | 3.8 | 5 | 2019 (2.4, 62) |
| 19458+2710 | KUI95AB | 2015.599 | 2.249 | 0.016 | 60.3 | 0.3 | Sod1999 | -0.24 | 4.3 | 5 | |
| 19458+2710 | KUI95AB | 2015.680 | 2.269 | 0.022 | 59.5* | 0.4 | Sod1999 | -0.22 | 3.5 | 5 | |
| 19458+2710 | KUI95AB | 2015.680 | 2.268 | 0.018 | 60.2 | 0.3 | Sod1999 | -0.22 | 4.2 | 5 | |
| 22357+5413 | MLR3 | 2015.847 | 0.349 | 0.007 | 178.0* | 2.0 | Msn2001a | 0.184 | 60.0 ^Q | 5 | |
| 22357+5413 | MLR3 | 2015.847 | 0.338 | 0.016 | 173.3 | 1.4 | Msn2001a | 0.173 | 55.3 ^Q | 5 | |
| 23020+4800 | A194 | 2015.880 | 0.156 | 0.042 | 299.8 | 8.6 | Doc2017e | 0.08 | 23.9 | 3 | |

Notes: In column 6, the superscript * indicates that the position angle θ could be determined without the 180° ambiguity.

In column 10, the superscript ^Q indicates that our θ measurement quadrant was not compatible with the quadrant used for computing the orbit.

measurements have been made possible by good observations obtained with good seeing conditions, and by the use of efficient high contrast filters (see Paper III).

6 Observations of objects from the Tycho Double Star Catalog

In this section we discuss the results of our observations of the double stars discovered by Tycho.

The observations from the Tycho experiment on-board the Hipparcos satellite were exploited to produce the Tycho-1 Catalog (ESA, 1997) with an annex of double and multiple systems with very accurate as-

strometry for more than 12000 systems of which about 3000 were new systems (called hereafter the “Tycho-1 double stars”).

The Tycho-2 Catalog (Høg et al., 2000), which superseded Tycho-1, was the result of a second data reduction, using more advanced and demanding techniques. New double star solutions were then attempted by Fabricius et al. (2002) for all Tycho-2 stars by using a method derived from that described by Høg et al. (2000). This work led to the discovery of more than 13000 visual double stars mostly with angular separations between 0.3 and 1 arcsec. Combined with the 18000 WDS systems identified in the Tycho-2 Catalog,

Table 5 Measurements and residuals of the closest binaries observed in 2015, with $\rho < 0''.16$ (i.e. smaller than the diffraction limit), for the objects having a known orbit.

| WDS | Name | Epoch | ρ ($''$) | θ ($^\circ$) | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|--------------|----------|--------------------|--------------------------|----------|--------------------------------------|--|-------|
| 00055+3406 | HU1201AB | 2015.897 | 0.143 | 312.3* | Zir2003 | -0.01 | 5.6 | 3 |
| 00055+3406 | HU1201AB | 2015.897 | 0.119 | 302.3* | Zir2003 | -0.03 | -4.4 | 3 |
| 00085+3456 | HDS17 | 2015.987 | 0.122 | 29.4 | AlW2014b | 0.02 | 4.0 | 2 |
| 00085+3456 | HDS17 | 2015.987 | 0.142 | 30.1 | AlW2014b | 0.04 | 4.8 | 2 |
| 00101+3825 | HDS23Da,Db | 2015.967 | 0.135 | 134.5* | Cve2017b | -0.05 | 1.6 ^Q | 3 |
| 00167+3629 | STT4 | 2015.880 | 0.115 | 25.9* | Alz2000a | -0.04 | -0.8 | 2 |
| 00320+2740 | COU547 | 2015.984 | 0.155 | 37.2 | Zir2010b | 0.04 | -19.4 | 5 |
| 01049+3649 | A1515 | 2015.880 | 0.118 | 307.4 | Doc2009g | -0.03 | -9.7 | 3 |
| 01049+3649 | A1515 | 2015.880 | 0.150 | 311.0* | Doc2009g | -0.00 | -6.1 | 3 |
| 01129+5136 | HDS160AB | 2015.020 | 0.147 | 119.9 | Cve2013b | 0.048 | 0.9 | 4 |
| 01131+2942 | A1260AB | 2015.987 | 0.108 | 58.7 | Msn2017a | -0.11 | -4.7 | 3 |
| 01158+0947 | A2102 | 2015.853 | 0.139 | 111.6* | RAO2015 | -0.10 | 6.2 | 5 |
| 01198-0031 | FIN337BC | 2015.853 | 0.117 | 112.9 | Msn2010c | 0.01 | 13.4 | 2 |
| 01198-0031 | FIN337BC | 2015.853 | 0.121 | 109.3 | Msn2010c | 0.02 | 9.8 | 2 |
| 01204+0931 | TOK706Ba,Bb | 2015.853 | 0.132 | 127.4 | Tok2019 | -0.03 | 12.9 | |
| 01204+0931 | TOK706Ba,Bb | 2015.853 | 0.114 | 125.9 | Tok2019 | -0.05 | 11.4 | |
| 01297+2250 | A1910AB | 2015.984 | 0.106 | 172.6 | Hrt1996a | -0.10 | -3.8 | 2 |
| 02090+3540 | COU1067 | 2015.015 | 0.120 | 37.8 | BAE2021 | -0.06 | -1.2 | 4 |
| 04464+4221 | COU2031 | 2015.113 | 0.151 | 142.6 | Doc2014i | 0.01 | 1.2 | 2 |
| 04464+4221 | COU2031 | 2015.113 | 0.120 | 138.4 | Doc2014i | -0.02 | -3.0 | 2 |
| 06474+1812 | STT156 | 2015.114 | 0.134 | 148.6 | Pru2017 | -0.03 | 10.4 | 3 |
| 07555+2422 | A2537 | 2015.130 | 0.122 | 29.3 | Zir2012b | -0.09 | -6.2 | 5 |
| 09183+1847 | COU384 | 2015.267 | 0.142 | 58.2* | BAE2021 | -0.05 | -1.3 ^Q | 3 |
| 09379+4554 | A1765 | 2015.212 | 0.118 | 147.5 | Doc2012a | -0.04 | -12.7 ^Q | 3 |
| 09477+2036 | COU284 | 2015.209 | 0.131 | 145.4 | Doc2019c | 0.04 | -33.0 | 4 |
| 09477+2036 | COU284 | 2015.209 | 0.138 | 152.9 | Doc2019c | 0.04 | -25.5 | 4 |
| 09477+2036 | COU284 | 2015.209 | 0.113 | 144.6 | Doc2019c | 0.02 | -34.0 | 4 |
| 09477+2036 | COU284 | 2015.209 | 0.145 | 142.6 | Doc2019c | 0.05 | -36.0 | 4 |
| 10059+3412 | COU1569 | 2015.209 | 0.151 | 104.3 | Doc2006i | 0.05 | -4.1 ^Q | 5 |
| 10059+3412 | COU1569 | 2015.209 | 0.131 | 109.2 | Doc2006i | 0.03 | 0.8 ^Q | 5 |
| 10121+2118 | A2146 | 2015.270 | 0.142 | 19.1* | Hei2001 | -0.06 | -19.1 ^Q | 4 |
| 10269+1931 | COU292 | 2015.283 | 0.146 | 47.8* | Doc2013e | -0.07 | -1.3 | 2 |
| 10367+1522 | DAE3BC | 2015.210 | 0.132 | 296.9 | Jnn2017b | -0.05 | -22.1 | 3 |
| 10367+1522 | DAE3BC | 2015.300 | 0.143 | 297.7* | Jnn2017b | -0.04 | -23.1 | 3 |
| 11114+4150 | HDS1593 | 2015.270 | 0.131 | 159.0* | Hor2021b | -0.08 | -14.9 | 3 |
| 14323+2641 | A570AB | 2015.374 | 0.114 | 124.0* | Sca2020d | -0.04 | 3.8 ^Q | 1 |
| 15151+3650 | STT295 | 2015.355 | 0.127 | 152.2 | Zir2014a | -0.05 | -8.9 | 4 |
| 15416+1940 | HU580AB | 2015.432 | 0.149 | 253.1 | Mut2010b | -0.02 | -2.4 | 1 |
| 15416+1940 | HU580AB | 2015.432 | 0.106 | 252.4 | Mut2010b | -0.06 | -3.1 | 1 |
| 16198+2647 | A225 | 2015.513 | 0.147 | 134.7 | Doc2008a | 0.03 | -4.5 | 2 |
| 16198+2647 | A225 | 2015.513 | 0.111 | 131.4 | Doc2008a | -0.00 | -7.8 | 2 |
| 18043+4206 | COU1786Aa,Ab | 2015.541 | 0.123 | 7.2 | Hrt2009 | -0.06 | 10.6 | 3 |
| 18043+4206 | COU1786Aa,Ab | 2015.656 | 0.128 | 1.4 | Hrt2009 | -0.05 | 4.4 | 3 |
| 18043+4206 | COU1786Aa,Ab | 2015.585 | 0.140 | 1.6 | Hrt2009 | -0.04 | 4.9 | 3 |
| 18078+2606 | CHR67Aa,Ab | 2015.585 | 0.117 | 327.5 | Tok2021c | -0.12 | -9.0 | 3 |
| 18078+2606 | CHR67Aa,Ab | 2015.585 | 0.141 | 334.0 | Tok2021c | -0.09 | -2.5 | 3 |
| 18084+4407 | HDS2554 | 2015.598 | 0.141 | 217.8 | Hor2011b | 0.02 | 4.5 | 4 |
| 18410+2450 | A2988 | 2015.612 | 0.156 | 223.1* | FMR2010f | 0.02 | 1.7 | 3 |
| 18410+2450 | A2988 | 2015.612 | 0.142 | 221.5 | FMR2010f | 0.00 | 0.1 | 3 |
| 18421+3445 | B2546Aa,Ab | 2015.612 | 0.148 | 14.0 | USN2002 | 0.04 | -9.6 | 4 |
| 19073+2432 | A262 | 2015.566 | 0.158 | 92.6* | Zir2012b | -0.04 | 0.5 | 4 |
| 19490+1909 | AGC11AB | 2015.612 | 0.156 | 158.2 | Mut2010b | -0.09 | -4.2 | 1 |
| 21109+2925 | BAG29 | 2015.683 | 0.143 | 149.1* | Bag2010 | -0.08 | -9.8 | 3 |
| 21125+2821 | HO152 | 2015.683 | 0.116 | 321.4* | Doc2016g | -0.03 | -8.0 ^Q | 3 |
| 21424+4105 | KUI108AB | 2015.716 | 0.147 | 8.5* | Hrt2000c | -0.06 | 0.4 | 2 |
| 21543+1943 | COU432BC | 2015.853 | 0.141 | 334.8 | Tok2017c | 0.01 | -14.9 | 4 |
| 21543+1943 | COU432BC | 2015.853 | 0.149 | 335.7 | Tok2017c | 0.01 | -14.0 | 4 |
| 21597+4907 | HU774 | 2015.716 | 0.151 | 185.8* | Doc2013k | -0.03 | -7.3 | 3 |
| 21597+4907 | HU774 | 2015.716 | 0.128 | 184.7* | Doc2013k | -0.06 | -8.4 | 3 |
| 22109+4211 | A2494 | 2015.853 | 0.138 | 9.3* | FMR2018c | -0.07 | -0.3 | 4 |
| 22570+2441 | COU542Aa,Ab | 2015.880 | 0.154 | 141.9* | Doc2016b | 0.03 | 12.4 | 2 |
| 22587+2611 | COU543 | 2015.806 | 0.127 | 69.7 | BAE2021 | -0.03 | 2.5 | 5 |
| 23020+4800 | A194 | 2015.880 | 0.156 | 299.8 | Doc2017e | 0.08 | 23.9 | 3 |
| 23020+4800 | A194 | 2015.880 | 0.113 | 289.1 | Doc2017e | 0.04 | 13.2 | 3 |
| 23199+2844 | COU439AB | 2015.765 | 0.123 | 4.0* | Doc2017e | -0.02 | -3.6 | 3 |
| 23304+3050 | BU1266AB | 2015.943 | 0.120 | 156.1 | Msn1998c | -0.03 | 0.7 | 2 |
| 23498+2741 | A424 | 2015.943 | 0.146 | 174.0* | Sca2002b | -0.02 | 2.9 | 3 |

Notes: In column 5, the superscript * indicates that the position angle θ could be determined without the 180° ambiguity.In column 8, the superscript ^Q indicates that our θ measurement quadrant was not compatible with the quadrant used for computing the orbit.

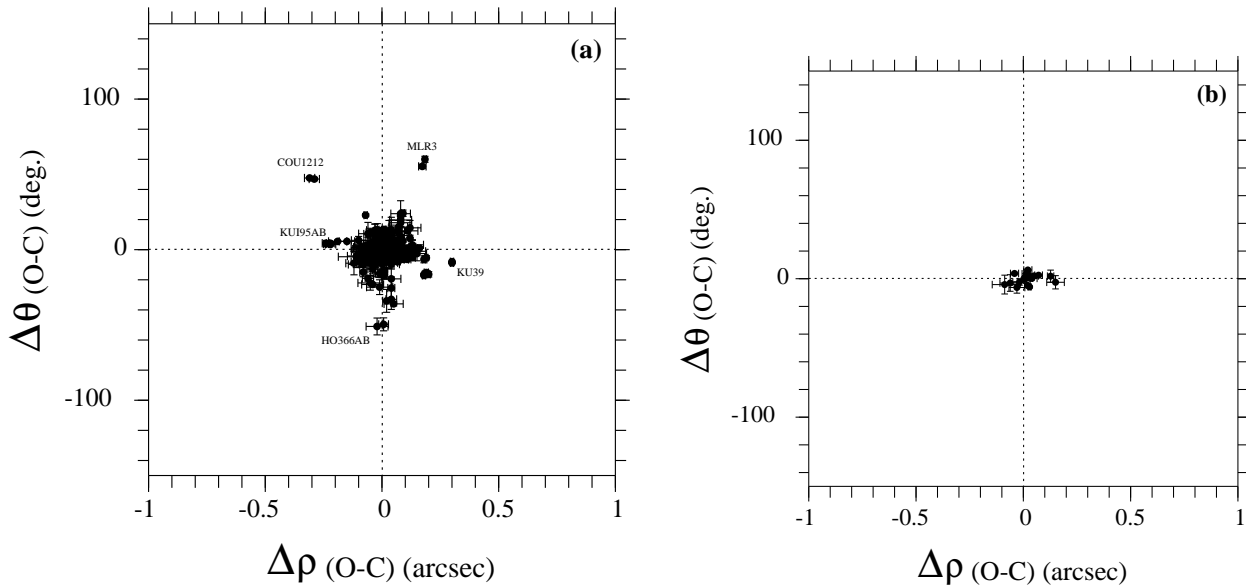


Fig. 9 Residuals from published orbits of our measurements reported in Table 1: (a) with all orbits, and (b) with the best orbits only (i.e., of Grade 1 in OC6).

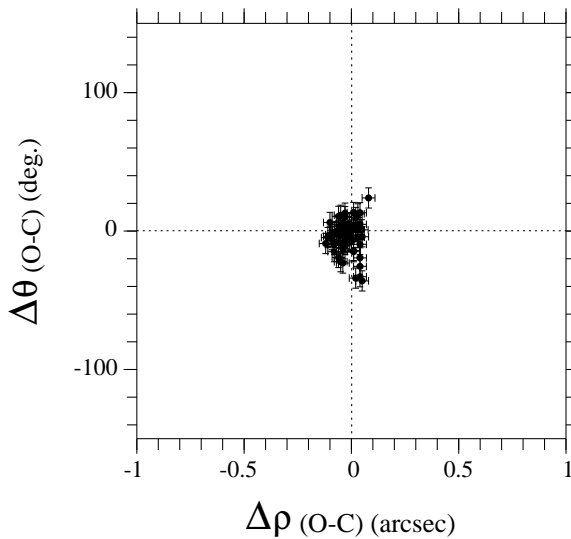


Fig. 10 Residuals from published orbits of our measurements with angular separations smaller than the diffraction limit (from Table 5, with orbits of all grades).

the 3000 Tycho-1 double stars, the 1000 new Tycho-2 double stars, they formed the Tycho Double Star Catalogue (TDSC), a catalog of absolute astrometry and B_T , V_T photometry for more than 66000 components of more than 32000 double and multiple systems (Fabricius et al., 2002).

The double and multiple stars of the TDSC were included in the Washington Double Star Catalog as TDS/TDT objects with a four digit number (from TDS0001 to TDS9999 and then TDT0001, TDT0002, etc).

Among the double stars reported in Table 1, there are 380 TDS/TDT objects, from which we resolved 315 objects (i.e., 83% were resolved).

Some objects of the TDSC are not double stars, since some single stars may appear as double in the Tycho data, as already pointed out in section 5.3 of Fabricius et al. (2002). By using the Gaia data and the observations reported in the WDS, Gould and Knapp (2023) and Knapp and Gould (2023) attempted to detect all the spurious objects of the TDSC, and then prove that those objects are actually single stars. The basic idea was the assumption that Gaia with a telescope aperture of 1.0 m should (together with the technological progress in the last 30 years) easily confirm any double star discovered by Tycho with a telescope aperture of 0.3 m. Indeed, TDS/TDT objects are listed in the WDS catalog with $\rho \leq 0''.3$, with V_T magnitudes smaller than 15, and a delta magnitude smaller than 3.5. Gaia DR3 covers this range very well with a resolution limit of $0''.18$ arcsecond (under favorable conditions) according to Torra et al. (2021).

According to Knapp and Gould (2023), “the WDS catalog contains more than 10,000 TDS/TDT objects with a separation of 1.44 arcsec or smaller with first observation in 1991/1992 with 84% of them so far not confirmed by at least a second observation”. Knapp and

Table 6 List of unresolved TDS/HDS objects in Table 1, with additional information from the WDS catalog and from Gaia DR3.

| WDS | Name | Comp. | V_1 | V_2 | First meas. | Last meas. | N | Notes | Gaia DR3 |
|------------|---------|-------|-------|-------|---------------|--------------|---|---------|---------------------------------------|
| 04473+4613 | TDS2964 | AB | 10.8 | 11.2 | 1991(0.8 241) | — | 1 | | No companion |
| 04593+4222 | TDS3027 | AB | 11.4 | 11.9 | 1991(0.7 240) | — | 1 | | No companion |
| 07177+4415 | TDS4680 | AB | 10.9 | 10.9 | 1991(0.5 327) | 2007(0.6 44) | 2 | | No companion |
| 07303+3534 | TDS4870 | Aa,Ab | 10.6 | 10.8 | 1991(0.6 120) | — | 1 | | No companion |
| 07365+2202 | TDS4977 | AB | 10.4 | 10.5 | 1991(0.5 299) | — | 1 | | No companion |
| 07503+1517 | TDS5259 | AB | 11.3 | 11.4 | 1992(0.6 78) | — | 1 | | No companion |
| 07574+1820 | TDS5380 | AB | 10.3 | 10.5 | 1991(0.5 110) | — | 1 | | Faint 20.1 mag companion at (3.5 282) |
| 10217+4752 | TDS7214 | AB | 11.7 | 11.8 | 1991(0.6 4) | — | 1 | | No companion |
| 11185+5119 | TDS7781 | AB | 11.8 | 12.1 | 1991(0.8 263) | — | 1 | | No companion |
| 11230+3757 | TDS7834 | AB | 11.0 | 11.0 | 1991(0.5 144) | — | 1 | | No companion |
| 11225+2250 | TDS7831 | AB | 10.5 | 10.5 | 1991(0.4 278) | — | 1 | | No companion |
| 11577+5004 | TDS8143 | AB | 11.3 | 11.4 | 1991(0.5 112) | — | 1 | | No companion |
| 11596+4555 | TDS8152 | AB | 11.6 | 12.0 | 1991(0.9 87) | — | 1 | | No companion |
| 11597+4006 | TDS8155 | AB | 11.6 | 11.9 | 1991(0.7 223) | — | 1 | | No companion |
| 12031+4921 | TDS8191 | AB | 11.5 | 12.5 | 1991(0.6 122) | — | 1 | | No companion |
| 12137+2252 | TDS8277 | AB | 10.9 | 11.1 | 1991(0.5 245) | — | 1 | | No companion |
| 12272+3632 | TDS8388 | AB | 11.1 | 11.9 | 1991(1.1 251) | — | 1 | | No companion |
| 12363+4724 | TDS8454 | AB | 11.6 | 11.6 | 1991(0.5 90) | — | 1 | | No companion |
| 12383+4808 | TDS8464 | AB | 11.4 | 11.4 | 1991(0.4 147) | — | 1 | | No companion |
| 12384+4906 | TDS8466 | AB | 11.5 | 11.8 | 1991(0.5 183) | — | 1 | | No companion |
| 12427+4733 | TDS8493 | AB | 11.7 | 12.1 | 1991(0.5 133) | — | 1 | | No companion |
| 12500+4727 | TDS8543 | AB | 11.5 | 11.6 | 1991(0.5 219) | — | 1 | | No companion |
| 13011+3709 | TDS8644 | AB | 11.7 | 12.4 | 1991(0.9 257) | — | 1 | | No companion |
| 13039+3724 | TDS8673 | AB | 10.4 | 12.2 | 1991(1.3 253) | — | 1 | X-coded | No companion |
| 14313+3547 | TDS9228 | AB | 11.7 | 12.1 | 1991(0.6 203) | — | 1 | | No companion |
| 14435+3407 | TDS9286 | AB | 11.5 | 12.8 | 1991(0.8 341) | — | 1 | | No companion |
| 14476+3354 | TDS9308 | AB | 11.4 | 11.5 | 1991(0.4 66) | — | 1 | | No companion |
| 14512+5038 | TDS9323 | AB | 11.2 | 11.3 | 1991(0.5 118) | — | 1 | | No companion |
| 14581+3556 | TDS9353 | AB | 10.9 | 12.3 | 1991(2.4 78) | — | 1 | X-coded | No companion |
| 15011+2051 | TDS9375 | AB | 11.4 | 11.7 | 1991(0.6 255) | — | 1 | | No companion |
| 15052+3553 | TDS9396 | AB | 11.7 | 12.1 | 1991(0.5 108) | — | 1 | | Faint 16.5 mag companion at (1.3 153) |
| 15063+3041 | TDS9404 | AB | 11.8 | 11.8 | 1991(0.6 125) | — | 1 | | No companion |
| 15205+3021 | TDS9495 | AB | 12.0 | 12.1 | 1991(0.6 73) | — | 1 | | No companion |
| 15205+3826 | TDS9493 | AB | 10.9 | 11.0 | 1991(0.4 170) | — | 1 | | No companion |
| 15241+2814 | TDS9506 | AB | 10.6 | 10.8 | 1991(0.5 36) | 2016(0.4 31) | 2 | | No companion |
| 15269+3447 | TDS9519 | AB | 11.4 | 11.5 | 1991(0.5 35) | — | 1 | | No companion |
| 15356+2944 | TDS9557 | AB | 11.5 | 11.5 | 1991(0.4 346) | — | 1 | | No companion |
| 15485+2817 | TDS9637 | AB | 11.4 | 12.7 | 1991(1.0 99) | — | 1 | | Faint 21.9 mag companion at (4.4 281) |
| 15572+2640 | TDS9703 | AB | 11.9 | 12.2 | 1991(0.7 296) | — | 1 | | No companion |
| 16089+4041 | TDS9773 | AB | 9.7 | 12.0 | 1991(1.1 218) | — | 1 | | No companion |
| 16195+2952 | TDS9839 | AB | 11.9 | 12.1 | 1991(0.6 178) | — | 1 | | No companion |
| 17053+2531 | TDT205 | AB | 11.4 | 11.6 | 1991(0.5 77) | — | 1 | | No companion |
| 17104+3051 | TDT246 | AB | 11.1 | 11.5 | 1991(0.5 277) | — | 1 | | No companion |
| 17352+2207 | TDT423 | AB | 10.9 | 11.0 | 1991(0.4 193) | — | 1 | | No companion |
| 17442+2616 | TDT483 | AB | 11.9 | 12.7 | 1991(0.7 90) | — | 1 | | No companion |
| 17456+3436 | TDT491 | AB | 10.2 | 10.4 | 1991(0.4 22) | — | 1 | | No companion |
| 17499+2447 | TDT523 | AB | 11.9 | 12.2 | 1991(0.8 283) | — | 1 | | No companion |
| 18581+2605 | TDT1151 | AB | 10.8 | 11.0 | 1991(0.4 152) | — | 1 | | Faint 18.3 mag companion at (5.0 331) |

Gould (2023) cross-matched this subset of 8,625 unconfirmed TDS/TDT objects with the Gaia DR3 catalog with a search radius of three arcseconds around the given WDS precise position. In Table 6 we display their findings on the list of our 65 unresolved objects of the TDSC targets (from a private communication with Wilfried Knapp in May 2023).

In each row of Table 6, we give the WDS name (Col. 1), the TDSC name (Col. 2), the components of the system (Col. 3), the Tycho-2 visual magnitudes V_1 (Col. 4) and V_2 (Col. 5) of the two components, the first (Col. 6) and second (Col. 7) measurements in

the WDS, the number of measurements in the WDS (Col. 8), some notes from the WDS (Col. 9), and the results of the cross-matching in the Gaia DR3 from Knapp and Gould (2023) in Col. 10. The measurements in columns 6, 7 and 10 are given in the format (ρ θ) with ρ in arcseconds and θ in degrees.

The mention “X-coded” in Col. 9 (for TDS8673 and TDS9353) indicates that this object is flagged as ‘X’ in the WDS catalog, which means duplicity is not certain. In Col. 8, two objects have more than one measurement in the WDS: TDS4680 and TDS9506. The second measurement of those objects was not confirmed

by other observers. Knapp and Gould (2023) added for both of them the comment: “Two observations, but second measure seems erroneous”.

As shown in Col. 10, the cross-matching results obtained by Knapp and Gould (2023) for those objects did not confirm the presence of a companion in the range of possibilities of detection by Tycho. Only a few detections were positive, but with very faint companions (fainter than 16.5 mag), beyond the sensitivity range of the Tycho experiment. This applies to all the objects of Table 6. The absence of detection by Gaia of a companion that Tycho could have detected indicates that there are probably false detections by Tycho.

7 Conclusion

In 2013–2015, we obtained 5182 new position measurements of 2837 visual double stars or multiple systems with the 76-cm refractor in Nice (Observatoire de la Côte d’Azur). The average accuracy is estimated at $0''.018$ for the angular separations and $0^\circ.8$ for the position angles. We have routinely monitored faint systems with $m_V = 9 - 11$, even for the objects with a large magnitude difference (up to $\Delta m_V = 4.5$). The color-magnitude diagram of our observations shows that our measurements reach the domain of red dwarfs that have been poorly monitored so far. We indeed report measurements of 21 systems containing red dwarf stars that had been poorly monitored since their discovery, from which we estimated the stellar masses using the Gaia data.

From a study of the DR3 Gaia release, we show that all the objects of the TDSC that we did not resolve in 2015 are probably false detections by Tycho.

By using the Direct Vector Autocorrelation and the Lucky Imaging methods, we have measured the difference of magnitude of the two components for 1079 objects with an estimated error of 0.2 mag. Thanks to good seeing images and with the use of high-contrast numerical filters, we have also been able to obtain 196 measurements with an angular separation smaller than the diffraction limit of our instrumentation, and consistent with those obtained with larger telescopes. We also report measurements of the 165 new double stars that we found in the files obtained during the observations.

Since 2009, by observing at the Nice 76-cm refractor with sensitive EMCCD (Electron Multiplied Charge Coupled Devices) detectors, we have obtained 15411 relative astrometric measurements of resolved double stars, 2866 measurements of magnitude difference between the components, and found 499 candidates of new double stars (see Papers I, II, III, IV, and this paper). This work is thus a valuable contribution to the continuing monitoring of long period visual binary systems, which is important for refining systemic stellar

masses. This work is fully integrated in the observation efforts of the Commission G1, “Binary and Multiple Star Systems” of the International Astronomical Union. Our measurements will be added to the worldwide database of this Commission G1, which is currently maintained by the U.S. Naval Observatory.

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We are grateful to W. Knapp for his contribution to Table 6. This work has made use of the “Sixth Catalogue of Orbits of Visual Binary Stars”

(<http://www.astro.gsu.edu/wds/orb6.html>), the Washington Double Star Catalogue maintained at the U.S. Naval Observatory, the SIMBAD data base

(<http://simbad.u-strasbg.fr/simbad>) operated by the *Centre de Données Astronomiques de Strasbourg* (France). This work has also made use of data from the European Space Agency (ESA) mission *Gaia* (<https://www.cosmos.esa.int/gaia>), processed by the *Gaia* Data Processing and Analysis Consortium (DPAC). Funding for the DPAC has been provided by national institutions, in particular the institutions participating in the *Gaia* Multilateral Agreement.

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Table 1 Table of binary measurements obtained with PISCO2 in 2013–2015 and O-C residuals with published orbits (begin.) (Full version of this table in the electronic version.)

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 00002+3613 | TDS1236 | 2015.897 | 1 | 0.494 | 0.007 | 154.0* | 2.3 | | | | | | |
| 00002+3613 | TDS1236 | 2015.897 | 1 | 0.503 | 0.010 | 154.0* | 1.0 | 0.26 | | | | | |
| 00011+2502 | POU5882 | 2013.925 | 5 | 8.027 | 0.042 | 42.8 | 0.3 | 0.39 | | | | | |
| 00014+3937 | HLD60 | 2015.872 | 1 | 1.334 | 0.010 | 167.2* | 0.3 | 1.95 | | Izm2019 | 0.02 | 0.3 | 3 |
| 00014+3937 | HLD60 | 2015.872 | 1 | 1.328 | 0.010 | 167.0* | 0.3 | | | Izm2019 | 0.01 | 0.1 | 3 |
| 00015+3044 | HO208 | 2015.880 | 1 | 1.114 | 0.008 | 187.1* | 0.3 | | | Izm2019 | 0.07 | -0.2 | 5 |
| 00015+3044 | HO208 | 2015.880 | 1 | 1.125 | 0.009 | 187.1* | 0.3 | | | Izm2019 | 0.08 | -0.2 | 5 |
| 00022+2705 | BU733AB | 2015.967 | 1 | 0.384 | 0.007 | 37.0* | 0.8 | | | Sod1999 | 0.03 | -5.9 | 1 |
| 00022+2705 | BU733AB | 2015.967 | 1 | 0.374 | 0.013 | 38.2* | 0.8 | | | Sod1999 | 0.02 | -4.7 | 1 |
| 00023+3257 | HO209AB | 2015.984 | 1 | 1.425 | 0.025 | 346.8* | 0.3 | | | | | | |
| 00023+3257 | HO209AB | 2015.984 | 1 | 1.422 | 0.035 | 346.4* | 0.7 | | | | | | |
| 00023+3257 | HO209Aa,Ab | 2015.984 | 1 | 0.354 | 0.016 | 30.9 | 0.9 | | NDp | | | | |
| 00023+3257 | HO209Aa,Ab | 2015.984 | 1 | 0.313 | 0.023 | 29.4 | 2.5 | | NDp | | | | |
| 00024+2518 | POU5883AB | 2013.922 | 5 | 3.792 | 0.042 | 320.6 | 0.3 | 0.45 | | | | | |
| 00024+2518 | POU5883AB | 2013.922 | 5 | 3.662 | 0.042 | 320.4 | 1.3 | 0.44 | | | | | |
| 00024+2518 | POU5883AC | 2013.922 | 5 | 10.154 | 0.056 | 195.7 | 0.3 | 1.76 | NDp | | | | |
| 00026+1841 | HDS2AB | 2015.880 | 1 | 2.062 | 0.081 | 334.2* | 4.4 | | | | | | |
| 00026+1841 | HDS2AB | 2015.880 | 1 | 2.036 | 0.017 | 335.8* | 0.6 | | | | | | |
| 00026+1841 | HDS2Aa,Ab | 2015.880 | 1 | — | — | — | — | | NR | | | | |
| 00035+3434 | OL77 | 2015.935 | 1 | 2.734 | 0.014 | 257.7* | 0.4 | 3.64 | | | | | |
| 00035+3434 | OL77 | 2015.935 | 1 | 2.744 | 0.014 | 257.2* | 0.4 | | | | | | |
| 00035+7800 | MLR368 | 2015.847 | 1 | 0.354 | 0.020 | 281.0* | 2.2 | | | | | | |
| 00035+7800 | MLR368 | 2015.847 | 1 | 0.350 | 0.008 | 278.8* | 0.6 | | | | | | |
| 00037+3752 | COU846 | 2015.943 | 1 | 0.912 | 0.013 | 149.3* | 0.4 | | | | | | |
| 00037+3752 | COU846 | 2015.943 | 1 | 0.920 | 0.013 | 149.7* | 0.5 | | | | | | |
| 00047+3416 | STF3056AB | 2015.967 | 1 | 0.742 | 0.021 | 142.1* | 0.9 | | | Zir2015a | 0.03 | 0.3 | 4 |
| 00047+3416 | STF3056AB | 2015.967 | 1 | 0.731 | 0.007 | 142.2* | 0.3 | 1.05 | | Zir2015a | 0.02 | 0.4 | 4 |
| 00047+3416 | STF3056AB | 2015.967 | 1 | 0.724 | 0.027 | 142.2* | 0.4 | | | Zir2015a | 0.02 | 0.4 | 4 |
| 00047+3416 | STF3056AB | 2015.967 | 1 | 0.732 | 0.027 | 141.9* | 0.3 | | | Zir2015a | 0.02 | 0.4 | 4 |
| 00047+3547 | HU800 | 2015.872 | 1 | 0.232 | 0.007 | 63.8* | 1.5 | | | | | | |
| 00049+3005 | A1250AB | 2015.984 | 1 | 0.858 | 0.021 | 41.5* | 0.6 | | | | | | |
| 00049+3005 | A1250AB | 2015.984 | 1 | 0.875 | 0.007 | 41.3* | 0.4 | | | | | | |
| 00050+2125 | J629 | 2015.984 | 1 | 1.531 | 0.013 | 300.2* | 0.4 | | | | | | |
| 00050+2125 | J629 | 2015.984 | 1 | 1.514 | 0.013 | 299.6* | 0.5 | 2.37 | | | | | |
| 00053+3533 | COU746 | 2015.987 | 1 | 0.593 | 0.017 | 106.1* | 0.7 | | | | | | |
| 00053+3533 | COU746 | 2015.987 | 1 | 0.613 | 0.007 | 105.9* | 0.9 | | | | | | |
| 00055+3406 | HU1201AB | 2015.897 | 1 | 0.143 | 0.023 | 312.3* | 7.7 | | | Zir2003 | -0.01 | 5.6 | 3 |
| 00055+3406 | HU1201AB | 2015.897 | 1 | 0.119 | 0.022 | 302.3* | 7.3 | | | Zir2003 | -0.03 | -4.4 | 3 |
| 00057+4239 | A110 | 2015.943 | 1 | 2.093 | 0.015 | 123.7* | 0.5 | | | | | | |
| 00057+4239 | A110 | 2015.943 | 1 | 2.100 | 0.011 | 123.5* | 0.3 | 0.37 | | | | | |
| 00060+1315 | J143 | 2015.935 | 1 | 2.539 | 0.013 | 85.8* | 0.3 | | | | | | |
| 00060+1315 | J143 | 2015.935 | 1 | 2.547 | 0.013 | 85.8* | 0.3 | 1.74 | | | | | |
| 00066+2901 | BU1338CD | 2015.943 | 1 | 3.169 | 0.016 | 210.6* | 0.3 | 0.30 | | | | | |
| 00066+2901 | BU1338CD | 2015.943 | 1 | 3.173 | 0.016 | 210.6* | 0.4 | | | | | | |
| 00073+2058 | HDS12 | 2015.853 | 1 | 2.559 | 0.013 | 3.4* | 0.3 | | | | | | |
| 00073+2058 | HDS12 | 2015.853 | 1 | 2.559 | 0.013 | 3.3* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 00077+2519 | POU2 | 2013.917 | 5 | 9.291 | 0.048 | 283.1 | 0.3 | 0.66 | | | | | |
| 00082+5340 | MLR634 | 2015.847 | 1 | 1.287 | 0.027 | 98.2* | 1.2 | | | | | | |
| 00082+5340 | MLR634 | 2015.847 | 1 | 1.298 | 0.031 | 99.0* | 1.8 | | | | | | |
| 00083+2451 | POU3 | 2013.925 | 5 | 9.254 | 0.048 | 286.5 | 0.3 | 0.90 | | | | | |
| 00084+4157 | HDS16 | 2015.853 | 2 | 1.564 | 0.007 | 343.3* | 0.3 | | | | | | |
| 00084+4157 | HDS16 | 2015.853 | 2 | 1.576 | 0.007 | 344.4* | 1.1 | | | | | | |
| 00085+3456 | HDS17 | 2015.987 | 1 | 0.122 | 0.027 | 29.4 | 4.8 | | | AIW2014b | 0.02 | 4.0 | 2 |
| 00085+3456 | HDS17 | 2015.987 | 1 | 0.142 | 0.045 | 30.1 | 4.4 | | | AIW2014b | 0.04 | 4.8 | 2 |
| 00086+3228 | COU647 | 2015.897 | 1 | 0.208 | 0.013 | 213.4 | 1.4 | | | | | | |
| 00086+3228 | COU647 | 2015.897 | 1 | 0.253 | 0.033 | 213.5 | 0.5 | | | | | | |
| 00091+4051 | BU483AB | 2015.828 | 1 | 2.132 | 0.019 | 34.4 | 0.5 | | | | | | |
| 00091+4051 | BU483AB | 2015.828 | 1 | 2.079 | 0.026 | 34.5 | 0.3 | | | | | | |
| 00091+4051 | BU483Aa,Ab | 2015.828 | 1 | 0.277 | 0.027 | 51.4 | 2.6 | | NDp | | | | |
| 00091+4051 | BU483Aa,Ab | 2015.828 | 1 | 0.307 | 0.010 | 47.0 | 5.1 | | NDp | | | | |
| 00094+4232 | COU1046 | 2015.967 | 1 | 2.484 | 0.029 | 28.1* | 0.5 | | | | | | |
| 00094+4232 | COU1046 | 2015.967 | 1 | 2.464 | 0.012 | 27.6* | 0.4 | | | | | | |
| 00095+1907 | COU247 | 2015.897 | 1 | 0.284 | 0.042 | 218.8* | 0.8 | 0.50 | | Doc2012i | -0.09 | -7.9 | 4 |
| 00095+1907 | COU247 | 2015.897 | 1 | 0.316 | 0.043 | 218.4* | 2.3 | | | Doc2012i | -0.06 | -8.3 | 4 |
| 00098+3731 | COU847AB | 2015.943 | 1 | 1.711 | 0.018 | 2.5* | 0.3 | | | | | | |
| 00098+3731 | COU847AB | 2015.943 | 1 | 1.697 | 0.008 | 2.5* | 0.3 | | | | | | |
| 00101+3825 | SKF495DB | 2015.967 | 1 | 4.381 | 0.037 | 297.5* | 0.3 | | | | | | |
| 00101+3825 | HDS23Da,Db | 2015.967 | 1 | 0.193 | 0.029 | 136.1* | 4.3 | | | Cve2017b | 0.01 | 3.2 ^Q | 3 |
| 00101+3825 | HDS23Da,Db | 2015.967 | 1 | 0.135 | 0.072 | 134.5* | 6.0 | | | Cve2017b | -0.05 | 1.6 ^Q | 3 |
| 00110+2908 | COU346 | 2015.943 | 1 | 0.325 | 0.031 | 304.5* | 2.3 | | | | | | |
| 00110+2908 | COU346 | 2015.943 | 1 | 0.297 | 0.027 | 304.4* | 0.3 | 0.65 | | | | | |
| 00112+3331 | COU648 | 2015.943 | 1 | 0.436 | 0.007 | 129.4* | 0.7 | | | | | | |
| 00112+3331 | COU648 | 2015.943 | 1 | 0.441 | 0.027 | 129.4* | 0.6 | 0.53 | | | | | |
| 00118+2825 | BU255 | 2015.935 | 1 | 0.443 | 0.018 | 65.2* | 0.9 | | | Zir2015a | 0.00 | -0.8 | 4 |
| 00118+2825 | BU255 | 2015.935 | 1 | 0.439 | 0.010 | 65.5* | 2.0 | | | Zir2015a | -0.00 | -0.5 | 4 |
| 00131+3521 | BU864 | 2015.987 | 1 | 2.361 | 0.012 | 141.0* | 0.3 | | | | | | |
| 00131+3521 | BU864 | 2015.987 | 1 | 2.372 | 0.017 | 141.3* | 0.3 | | | | | | |
| 00131+4059 | COU1201 | 2015.872 | 1 | 1.917 | 0.015 | 170.8* | 0.4 | 0.80 | | | | | |
| 00131+4059 | COU1201 | 2015.872 | 1 | 1.914 | 0.012 | 170.9* | 0.3 | | | | | | |
| 00132+2402 | POU9 | 2013.917 | 5 | 5.456 | 0.042 | 59.6 | 0.3 | 0.14 | | | | | |
| 00132+2402 | POU9 | 2013.917 | 5 | 5.734 | 0.042 | 57.9 | 0.3 | 0.47 | | | | | |
| 00133+6919 | KUI1AB | 2015.847 | 1 | 0.819 | 0.019 | 282.9* | 1.4 | 0.05 | | | | | |
| 00133+6919 | KUI1AB | 2015.847 | 1 | 0.832 | 0.027 | 283.1* | 1.8 | | | | | | |
| 00134+2659 | STT2AB | 2015.897 | 1 | 0.455 | 0.007 | 158.0* | 1.1 | | | Hrt2008 | 0.04 | 3.2 | 3 |
| 00134+2659 | STT2AB | 2015.897 | 1 | 0.450 | 0.015 | 158.0* | 0.4 | | | Hrt2008 | 0.04 | 3.2 | 3 |
| 00137+7702 | MLR283 | 2015.847 | 1 | 1.403 | 0.013 | 227.6* | 0.3 | | | | | | |
| 00137+7702 | MLR283 | 2015.847 | 1 | 1.410 | 0.007 | 227.6* | 0.5 | | | | | | |
| 00140+2507 | POU10AB | 2013.925 | 5 | 6.609 | 0.042 | 185.4 | 0.3 | 1.55 | | | | | |
| 00140+2507 | POU10AB | 2013.925 | 5 | 6.554 | 0.067 | 185.5 | 1.3 | 1.54 | | | | | |
| 00140+2507 | POU10AC | 2013.925 | 5 | 17.380 | 0.084 | 268.5 | 0.3 | 5.34 | NDp | | | | |
| 00146+4452 | A646AB | 2015.987 | 1 | 2.410 | 0.012 | 46.6* | 0.3 | | | | | | |
| 00146+4452 | A646AB | 2015.987 | 1 | 2.424 | 0.012 | 46.7* | 0.3 | | | | | | |
| 00146+4452 | A646Aa,Ab | 2015.987 | 1 | 0.368 | 0.023 | 37.3 | 0.7 | | NDp | | | | |
| 00146+4452 | A646Aa,Ab | 2015.987 | 1 | 0.340 | 0.038 | 37.8 | 1.8 | | NDp | | | | |
| 00151+1907 | A2202 | 2015.995 | 1 | 0.639 | 0.007 | 152.9* | 0.5 | 0.40 | | | | | |
| 00151+1907 | A2202 | 2015.995 | 1 | 0.652 | 0.018 | 152.8* | 0.8 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 00153+4412 | A1256AB | 2015.987 | 1 | — | — | — | — | | NR | | | | |
| 00163+1537 | J1321 | 2015.828 | 1 | 2.514 | 0.018 | 103.1* | 0.8 | | | | | | |
| 00163+1537 | J1321 | 2015.828 | 1 | 2.533 | 0.013 | 103.8* | 0.3 | 1.83 | | | | | |
| 00164+4117 | ES153 | 2015.935 | 1 | 2.938 | 0.015 | 243.8* | 0.3 | | | | | | |
| 00164+4117 | ES153 | 2015.935 | 1 | 2.946 | 0.015 | 243.9* | 0.3 | | | | | | |
| 00165+2918 | BU487BC | 2015.967 | 1 | 2.387 | 0.025 | 264.9* | 0.6 | | | | | | |
| 00165+2918 | BU487BC | 2015.967 | 1 | 2.404 | 0.012 | 264.5* | 0.3 | | | | | | |
| 00166+2434 | HU405 | 2015.995 | 1 | 1.218 | 0.010 | 294.8* | 0.5 | | | | | | |
| 00166+2434 | HU405 | 2015.995 | 1 | 1.211 | 0.007 | 294.8* | 0.3 | 0.51 | | | | | |
| 00167+3629 | STT4 | 2015.880 | 1 | 0.115 | 0.021 | 25.9* | 8.0 | | | Alz2000a | -0.04 | -0.8 | 2 |
| 00167+3638 | STF19AB | 2015.897 | 1 | 2.350 | 0.012 | 140.6* | 0.3 | | | | | | |
| 00167+3638 | STF19AB | 2015.897 | 1 | 2.348 | 0.012 | 140.6* | 0.3 | | | | | | |
| 00167+3638 | STF19Aa,Ab | 2015.897 | 1 | 0.446 | 0.014 | 89.5 | 1.7 | | | | | | NDp |
| 00167+3638 | STF19Aa,Ab | 2015.897 | 1 | 0.432 | 0.019 | 89.0 | 0.9 | | | | | | NDp |
| 00168+1202 | HEI300 | 2015.943 | 1 | 1.455 | 0.014 | 357.4* | 0.3 | | | | | | |
| 00168+1202 | HEI300 | 2015.943 | 1 | 1.447 | 0.008 | 357.5* | 0.3 | 0.04 | | | | | |
| 00169+4454 | ES1407 | 2015.987 | 1 | 2.390 | 0.012 | 224.2* | 0.3 | 2.88 | | | | | |
| 00169+4454 | ES1407 | 2015.987 | 1 | 2.390 | 0.012 | 224.3* | 0.3 | | | | | | |
| 00170+2146 | KU4 | 2015.995 | 1 | 2.364 | 0.013 | 135.4* | 0.3 | | | | | | |
| 00170+2146 | KU4 | 2015.995 | 1 | 2.368 | 0.012 | 135.0* | 0.3 | | | | | | |
| 00174+1002 | A1804 | 2015.984 | 1 | 1.274 | 0.007 | 26.3* | 0.3 | | | | | | |
| 00174+1002 | A1804 | 2015.984 | 1 | 1.283 | 0.007 | 26.4* | 0.6 | | | | | | |
| 00174+1852 | HDS39 | 2015.897 | 1 | 1.565 | 0.008 | 247.2* | 0.4 | | | | | | |
| 00174+1852 | HDS39 | 2015.897 | 1 | 1.583 | 0.013 | 247.1* | 0.7 | | | | | | |
| 00176+3946 | COU1048 | 2015.880 | 1 | 0.452 | 0.007 | 311.3* | 0.7 | 0.29 | | | | | |
| 00176+3946 | COU1048 | 2015.880 | 1 | 0.454 | 0.007 | 310.9* | 0.4 | | | | | | |
| 00182+7257 | A803 | 2015.847 | 1 | 0.221 | 0.038 | 132.2 | 2.1 | | | Cve2006e | -0.05 | -3.4 ^Q | 4 |
| 00182+7257 | A803 | 2015.847 | 1 | 0.255 | 0.010 | 134.6 | 1.1 | | | Cve2006e | -0.02 | -1.0 ^Q | 4 |
| 00185+2129 | COU21 | 2015.967 | 1 | 1.218 | 0.012 | 167.3* | 1.1 | | | | | | |
| 00185+2129 | COU21 | 2015.967 | 1 | 1.218 | 0.007 | 167.9* | 0.4 | | | | | | |
| 00190+4301 | ES1483CD | 2015.872 | 1 | 2.365 | 0.022 | 18.6* | 0.5 | 0.07 | | | | | |
| 00190+4301 | ES1483AB | 2015.872 | 1 | 2.624 | 0.045 | 343.6* | 0.4 | | | | | | |
| 00190+4301 | ES1483AB | 2015.872 | 1 | 2.646 | 0.030 | 343.3* | 0.4 | 0.15 | | | | | |
| 00192+4330 | ES1484BC | 2015.853 | 1 | 3.276 | 0.017 | 344.1* | 0.6 | | | | | | |
| 00192+4330 | ES1484BC | 2015.853 | 1 | 3.280 | 0.030 | 343.8* | 0.5 | 2.09 | | | | | |
| 00202+2129 | J630 | 2015.984 | 1 | 2.753 | 0.014 | 114.5* | 0.3 | | | | | | |
| 00202+2129 | J630 | 2015.984 | 1 | 2.769 | 0.014 | 114.8* | 0.5 | 2.62 | | | | | |
| 00206+1219 | BU1015 | 2015.935 | 1 | 0.505 | 0.018 | 108.4* | 0.5 | | | Hrt2010a | 0.00 | -0.3 | 2 |
| 00206+1219 | BU1015 | 2015.935 | 1 | 0.510 | 0.007 | 108.7* | 0.7 | | | Hrt2010a | 0.01 | 0.0 | 2 |
| 00209+1059 | BU1093 | 2015.935 | 1 | 0.791 | 0.028 | 119.5* | 0.6 | | | Lin2010c | 0.02 | 0.1 | 4 |
| 00209+1059 | BU1093 | 2015.935 | 1 | 0.778 | 0.028 | 119.5* | 0.6 | | | Lin2010c | 0.01 | 0.1 | 4 |
| 00213+3553 | COU747 | 2015.880 | 1 | 1.066 | 0.032 | 148.1* | 1.0 | | | | | | |
| 00213+3553 | COU747 | 2015.880 | 1 | 1.085 | 0.013 | 148.1* | 0.9 | 0.18 | | | | | |
| 00214+2744 | COU347Aa,Ab | 2015.943 | 1 | 0.444 | 0.017 | 49.8* | 1.9 | | | | | | |
| 00214+2744 | COU347Aa,Ab | 2015.943 | 1 | 0.433 | 0.012 | 48.6* | 1.4 | | | | | | |
| 00218+4357 | COU1352 | 2015.943 | 1 | 1.364 | 0.007 | 245.0* | 0.3 | | | | | | |
| 00218+4357 | COU1352 | 2015.943 | 1 | 1.364 | 0.007 | 244.9* | 0.3 | | | | | | |
| 00222+1114 | HEI301 | 2015.995 | 1 | 1.717 | 0.014 | 279.3* | 0.3 | | | | | | |
| 00222+1114 | HEI301 | 2015.995 | 1 | 1.726 | 0.009 | 279.4* | 0.3 | 2.34 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 00225+4456 | A648 | 2015.984 | 1 | 0.379 | 0.009 | 97.3* | 1.3 | | | | | | |
| 00225+4456 | A648 | 2015.984 | 1 | 0.373 | 0.021 | 96.9* | 2.1 | | | | | | |
| 00228+4614 | ES1199AB | 2015.880 | 1 | 2.607 | 0.013 | 11.2* | 0.3 | 2.90 | | | | | |
| 00228+4614 | ES1199AB | 2015.880 | 1 | 2.597 | 0.013 | 8.7 | 2.3 | 2.05 | LY | | | | |
| 00228+4614 | ES1199AB | 2015.880 | 1 | 2.600 | 0.013 | 11.1* | 0.3 | | | | | | |
| 00228+4614 | GII105Ba,Bb | 2015.880 | 1 | 0.151 | 0.007 | 275.6 | 0.3 | 0.04 | NDg | | | | |
| 00228+5312 | MLR647AB | 2015.847 | 1 | 0.211 | 0.007 | 62.3* | 1.5 | | | | | | |
| 00233+1645 | HEI16 | 2015.987 | 1 | 0.283 | 0.017 | 25.2* | 1.3 | | | | | | |
| 00233+1645 | HEI16 | 2015.987 | 1 | 0.283 | 0.017 | 25.0 | 1.3 | | | | | | |
| 00246+1659 | YSC80 | 2015.967 | 1 | 0.911 | 0.010 | 28.4 | 0.4 | | | | | | |
| 00246+1659 | YSC80 | 2015.967 | 1 | 0.856 | 0.045 | 30.1 | 1.1 | | | | | | |
| 00248+1358 | HEI199 | 2015.967 | 1 | 2.999 | 0.017 | 121.8* | 0.4 | 0.21 | | | | | |
| 00248+1358 | HEI199 | 2015.967 | 1 | 3.038 | 0.033 | 121.8* | 0.5 | | | | | | |
| 00248+1358 | HEI199 | 2015.967 | 1 | 3.024 | 0.050 | 121.9 | 1.1 | | | | | | |
| 00248+1358 | HEI199 | 2015.967 | 1 | 3.047 | 0.171 | 122.9 | 2.5 | | | | | | |
| 00251+2414 | POU26AB | 2013.963 | 5 | 15.080 | 0.072 | 109.8 | 0.3 | 4.23 | | | | | |
| 00251+2414 | POU27AC | 2013.963 | 5 | 5.025 | 0.042 | 63.8 | 0.3 | 5.12 | | | | | |
| 00253+2036 | J3246 | 2015.987 | 1 | — | — | — | — | | NR | | | | |
| 00254+2036 | A2301 | 2015.995 | 1 | 2.849 | 0.014 | 228.7 | 0.3 | 2.65 | LY | | | | |
| 00254+2036 | A2301 | 2015.995 | 1 | 2.863 | 0.014 | 228.7* | 0.3 | | | | | | |
| 00260+1905 | HDS59 | 2015.872 | 1 | 0.820 | 0.009 | 266.0* | 0.5 | | | | | | |
| 00260+1905 | HDS59 | 2015.872 | 1 | 0.811 | 0.012 | 265.9* | 0.6 | | | | | | |
| 00262+3009 | COU652 | 2015.984 | 1 | 1.343 | 0.012 | 3.0* | 0.3 | | | | | | |
| 00262+3009 | COU652 | 2015.984 | 1 | 1.339 | 0.021 | 3.2* | 0.3 | | | | | | |
| 00262+4113 | ES1603BC | 2015.853 | 1 | 3.190 | 0.053 | 316.8* | 0.6 | 0.51 | | | | | |
| 00262+4113 | ES1603BC | 2015.853 | 1 | 3.115 | 0.135 | 316.6* | 1.3 | | | | | | |
| 00263+6515 | MLR80 | 2015.847 | 1 | 0.429 | 0.021 | 15.9* | 3.7 | | | | | | |
| 00263+6515 | MLR80 | 2015.847 | 1 | 0.401 | 0.025 | 19.9* | 4.7 | | | | | | |
| 00269+2356 | TDS1466 | 2015.872 | 1 | 0.303 | 0.007 | 14.8 | 2.8 | | | | | | |
| 00269+2356 | TDS1466 | 2015.872 | 1 | 0.309 | 0.007 | 10.8 | 3.3 | | | | | | |
| 00282+2421 | POU29 | 2013.917 | 5 | 9.353 | 0.048 | 43.3 | 0.3 | 0.61 | | | | | |
| 00288+5541 | MLR624 | 2015.847 | 1 | 0.209 | 0.057 | 142.1* | 2.4 | | | | | | |
| 00288+5541 | MLR624 | 2015.847 | 1 | 0.133 | 0.089 | 144.2* | 6.6 | | | | | | |
| 00293+2334 | POU31 | 2013.922 | 5 | 4.541 | 0.046 | 83.1 | 0.3 | 0.61 | | | | | |
| 00295+3137 | J871 | 2015.853 | 1 | 2.218 | 0.021 | 357.7* | 0.9 | 0.17 | | | | | |
| 00295+3137 | J871 | 2015.853 | 1 | 2.222 | 0.025 | 357.9* | 0.7 | | | | | | |
| 00298+3650 | COU1049AB | 2015.935 | 1 | 0.750 | 0.047 | 39.7* | 1.3 | | | | | | |
| 00298+3650 | COU1049AB | 2015.984 | 1 | 0.745 | 0.047 | 39.4* | 0.3 | 2.92 | | | | | |
| 00298+3650 | COU1049AB | 2015.984 | 1 | 0.745 | 0.017 | 39.4* | 0.3 | 2.92 | | | | | |
| 00301+4359 | BRT69 | 2015.943 | 1 | 2.633 | 0.013 | 67.9* | 0.3 | 0.17 | | | | | |
| 00301+4359 | BRT69 | 2015.943 | 1 | 2.646 | 0.015 | 68.6* | 0.6 | | | | | | |
| 00304+2357 | POU33 | 2013.922 | 5 | 4.650 | 0.046 | 90.9 | 0.3 | 0.83 | | | | | |
| 00309+2135 | J634 | 2015.987 | 1 | 2.677 | 0.027 | 246.8* | 0.3 | 1.80 | | | | | |
| 00309+2135 | J634 | 2015.987 | 1 | 2.677 | 0.013 | 246.9* | 0.3 | | | | | | |
| 00310+3406 | STF33 | 2015.995 | 1 | 2.806 | 0.014 | 33.1* | 0.3 | 0.10 | | | | | |
| 00310+3406 | STF33 | 2015.995 | 1 | 2.809 | 0.014 | 33.2* | 0.3 | | | | | | |
| 00320+2740 | COU547 | 2015.984 | 1 | 0.155 | 0.041 | 37.2 | 7.3 | | | Zir2010b | 0.04 | -19.4 | 5 |
| 00324+2147 | HDS72 | 2015.935 | 1 | 0.252 | 0.007 | 38.9* | 0.5 | | | | | | |
| 00324+2147 | HDS72 | 2015.935 | 1 | 0.248 | 0.007 | 37.5* | 0.8 | | | | | | |
| 00327+3851 | HDS73 | 2015.967 | 1 | 0.156 | 0.037 | 61.6 | 4.5 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 00327+3851 | HDS73 | 2015.967 | 1 | 0.181 | 0.010 | 57.3 | 2.6 | | | | | | |
| 00339+2419 | COU349 | 2015.943 | 1 | 2.675 | 0.013 | 221.9* | 0.3 | 2.25 | | | | | |
| 00339+2419 | COU349 | 2015.943 | 1 | 2.669 | 0.013 | 221.8* | 0.3 | | | | | | |
| 00341+3807 | COU849 | 2015.853 | 1 | 2.088 | 0.021 | 113.3* | 0.5 | 1.63 | | | | | |
| 00341+3807 | COU849 | 2015.853 | 1 | 2.086 | 0.022 | 113.3* | 0.5 | | | | | | |
| 00344+2411 | COU350 | 2015.943 | 1 | 0.990 | 0.024 | 142.4* | 0.5 | | | | | | |
| 00344+2411 | COU350 | 2015.943 | 1 | 1.004 | 0.007 | 142.0* | 0.6 | | | | | | |
| 00345+2400 | POU38 | 2013.925 | 5 | 5.617 | 0.042 | 166.1 | 0.3 | 0.78 | | | | | |
| 00348+3817 | ES1941 | 2015.995 | 1 | 2.931 | 0.015 | 349.0* | 0.3 | 1.48 | | | | | |
| 00348+3817 | ES1941 | 2015.995 | 1 | 2.916 | 0.017 | 348.7* | 0.3 | | | | | | |
| 00349+2627 | COU548 | 2015.935 | 1 | 0.132 | 0.028 | 134.8 | 6.2 | | | | | | |
| 00349+2627 | COU548 | 2015.935 | 1 | 0.153 | 0.026 | 138.8 | 5.8 | | | | | | |
| 00355+1150 | A806AB | 2015.987 | 1 | 1.320 | 0.008 | 236.7* | 0.3 | 1.95 | | | | | |
| 00355+1150 | A806AB | 2015.987 | 1 | 1.327 | 0.007 | 237.0* | 0.3 | | | | | | |
| 00355+1150 | A806CD | 2015.987 | 1 | 1.046 | 0.027 | 258.5 | 0.3 | | | | | | |
| 00355+1150 | A806CD | 2015.987 | 1 | 1.046 | 0.027 | 258.5 | 0.3 | | | | | | |
| 00357+3429 | HU1011 | 2015.872 | 1 | 0.325 | 0.007 | 83.0* | 0.7 | | | Ole2002a | -0.09 | -6.4 | 5 |
| 00357+3429 | HU1011 | 2015.872 | 1 | 0.354 | 0.015 | 83.6* | 0.5 | 0.87 | | Ole2002a | -0.06 | -5.8 | 5 |
| 00360+3708 | COU850 | 2015.872 | 1 | 0.427 | 0.008 | 320.4* | 0.6 | 0.22 | | | | | |
| 00360+3708 | COU850 | 2015.872 | 1 | 0.455 | 0.007 | 320.5* | 0.4 | | | | | | |
| 00363+1701 | J922AB | 2015.995 | 1 | 2.531 | 0.018 | 329.1* | 0.5 | | | | | | |
| 00363+1701 | J922AB | 2015.995 | 1 | 2.530 | 0.015 | 329.0* | 0.3 | | | | | | |
| 00367+3814 | A1506 | 2015.967 | 1 | 1.243 | 0.013 | 20.1* | 0.5 | | | | | | |
| 00367+3814 | A1506 | 2015.967 | 1 | 1.235 | 0.007 | 20.2* | 0.3 | | | | | | |
| 00378+1724 | COU251 | 2015.935 | 1 | 2.560 | 0.018 | 92.0* | 0.4 | 3.03 | | | | | |
| 00378+2455 | POU45 | 2013.925 | 5 | 8.397 | 0.042 | 231.5 | 0.3 | 1.04 | | | | | |
| 00390+4037 | WOR31AB | 2015.984 | 1 | 0.250 | 0.007 | 124.5* | 1.0 | | | | | | |
| 00390+4037 | WOR31AB | 2015.984 | 1 | 0.278 | 0.018 | 125.5* | 2.0 | | | | | | |
| 00393+4050 | ES1604AB | 2015.995 | 1 | 2.431 | 0.013 | 167.9* | 0.6 | 2.19 | | | | | |
| 00393+4050 | ES1604AB | 2015.995 | 1 | 2.441 | 0.015 | 167.8* | 0.3 | | | | | | |
| 00393+4050 | GII109Ba,Bb | 2015.995 | 1 | 0.305 | 0.007 | 11.7 | 0.3 | | | NDg | | | |
| 00393+2529 | POU50 | 2013.917 | 5 | 8.101 | 0.042 | 250.2 | 0.3 | 2.04 | | | | | |
| 00395+4426 | COU1652 | 2015.984 | 1 | 0.626 | 0.012 | 101.1* | 0.9 | 0.43 | | | | | |
| 00395+4426 | COU1652 | 2015.984 | 1 | 0.628 | 0.007 | 101.1* | 1.2 | | | | | | |
| 00402+2502 | POU52 | 2013.923 | 5 | 6.554 | 0.042 | 346.4 | 0.3 | 0.69 | | | | | |
| 00405+3627 | COU1051 | 2015.984 | 1 | 0.480 | 0.029 | 91.9* | 0.3 | | | | | | |
| 00405+3627 | COU1051 | 2015.984 | 1 | 0.505 | 0.021 | 92.9* | 1.9 | | | | | | |
| 00407+3707 | COU852 | 2015.967 | 1 | 0.917 | 0.024 | 249.6* | 0.5 | 0.79 | | | | | |
| 00407+3707 | COU852 | 2015.967 | 1 | 0.936 | 0.026 | 250.2* | 1.5 | | | | | | |
| 00408+3844 | COU853 | 2015.943 | 1 | 0.895 | 0.007 | 90.9* | 0.3 | 0.51 | | | | | |
| 00408+3844 | COU853 | 2015.943 | 1 | 0.897 | 0.011 | 91.0* | 0.6 | 0.51 | | | | | |
| 00410+5854 | MLR444 | 2015.847 | 1 | 0.761 | 0.007 | 153.4* | 1.3 | | | | | | |
| 00410+5854 | MLR444 | 2015.847 | 1 | 0.755 | 0.026 | 153.0* | 1.4 | | | | | | |
| 00414+1439 | KU6 | 2015.987 | 1 | 1.884 | 0.009 | 225.6* | 0.3 | | | | | | |
| 00414+1439 | KU6 | 2015.987 | 1 | 1.869 | 0.010 | 225.7* | 0.4 | 0.40 | | | | | |
| 00414+2526 | J1803 | 2015.853 | 1 | 2.545 | 0.016 | 99.2* | 0.7 | 0.90 | | | | | |
| 00414+2526 | J1803 | 2015.853 | 1 | 2.522 | 0.021 | 99.5* | 0.3 | | | | | | |
| 00417+2422 | POU56 | 2015.987 | 1 | 3.512 | 0.018 | 142.0* | 0.3 | 3.54 | | | | | |
| 00421+1100 | A809 | 2015.943 | 1 | 0.875 | 0.018 | 315.7* | 1.4 | | | | | | |
| 00421+1100 | A809 | 2015.943 | 1 | 0.853 | 0.019 | 316.5* | 0.8 | 1.85 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 00425+4808 | COU1854 | 2015.853 | 1 | 1.071 | 0.017 | 262.5* | 1.3 | 0.12 | | | | | |
| 00425+4808 | COU1854 | 2015.853 | 1 | 1.073 | 0.015 | 262.8* | 1.0 | | | | | | |
| 00428+1249 | HDS93 | 2015.967 | 1 | 0.324 | 0.027 | 28.5* | 1.2 | | | Cve2017b | 0.02 | -0.5 | 4 |
| 00428+1249 | HDS93 | 2015.967 | 1 | 0.309 | 0.028 | 30.3* | 4.1 | | | Cve2017b | 0.00 | 1.3 | 4 |
| 00430-0351 | HDS95 | 2015.411 | 1 | — | — | — | — | | NR | | | | |
| 00434+1136 | A810 | 2015.943 | 1 | 2.897 | 0.014 | 313.2 | 0.3 | | | | | | |
| 00435+5526 | MLR650 | 2015.847 | 1 | 0.414 | 0.015 | 75.7* | 1.2 | | | | | | |
| 00435+5526 | MLR650 | 2015.847 | 1 | 0.419 | 0.015 | 75.3* | 1.4 | | | | | | |
| 00440+4658 | A652 | 2015.015 | 1 | 0.389 | 0.007 | 163.9 | 1.3 | | | | | | |
| 00440+4658 | A652 | 2015.015 | 1 | 0.382 | 0.009 | 163.7 | 0.4 | | | | | | |
| 00443+2444 | POU60AB | 2013.925 | 5 | 8.151 | 0.042 | 230.0 | 0.3 | 1.81 | | | | | |
| 00443+2444 | POU60AB | 2013.925 | 5 | 8.138 | 0.078 | 229.8 | 1.3 | 1.78 | | | | | |
| 00443+2444 | POU60AC | 2013.925 | 5 | 10.222 | 0.048 | 159.3 | 0.3 | 3.22 | NDp | | | | |
| 00443+2444 | POU60AC | 2013.925 | 5 | 10.234 | 0.168 | 159.5 | 2.3 | 3.34 | NDp | | | | |
| 00443+2444 | POU60AD | 2013.925 | 5 | 13.144 | 0.288 | 355.7 | 3.3 | 4.69 | NDp | | | | |
| 00447+4518 | ES1359BC | 2015.880 | 1 | 2.860 | 0.016 | 331.4* | 0.3 | 0.44 | | | | | |
| 00447+4518 | ES1359BC | 2015.880 | 1 | 2.861 | 0.021 | 331.5* | 0.3 | | | | | | |
| 00454+3434 | ES2140 | 2015.872 | 1 | 2.170 | 0.011 | 233.8* | 0.8 | | | | | | |
| 00454+3434 | ES2140 | 2015.872 | 1 | 2.177 | 0.013 | 233.2* | 0.4 | 0.50 | | | | | |
| 00460+2437 | POU62 | 2013.963 | 5 | 4.205 | 0.042 | 320.3 | 0.3 | 0.03 | | | | | |
| 00465+3122 | ES2363 | 2015.987 | 1 | 2.844 | 0.014 | 32.4* | 0.5 | 1.41 | | | | | |
| 00465+3122 | ES2363 | 2015.987 | 1 | 2.851 | 0.015 | 31.9* | 0.4 | | | | | | |
| 00475+1237 | HEI303Aa,Ab | 2015.984 | 1 | 0.366 | 0.017 | 159.4* | 1.2 | | | | | | |
| 00475+1237 | HEI303Aa,Ab | 2015.984 | 1 | 0.362 | 0.015 | 158.4* | 0.5 | 0.22 | | | | | |
| 00477+4017 | COU1206 | 2015.872 | 1 | 0.306 | 0.015 | 264.5* | 1.6 | | | | | | |
| 00477+4017 | COU1206 | 2015.872 | 1 | 0.306 | 0.010 | 264.2 | 3.0 | | | | | | |
| 00482+1055 | HEI426AB | 2015.968 | 1 | 1.810 | 0.015 | 251.1* | 0.6 | | | | | | |
| 00482+1055 | HEI426AB | 2015.968 | 1 | 1.796 | 0.010 | 250.9* | 0.3 | | | | | | |
| 00484+4701 | COU2003 | 2015.880 | 1 | 0.708 | 0.007 | 207.3* | 0.3 | 1.55 | | | | | |
| 00484+4701 | COU2003 | 2015.880 | 1 | 0.703 | 0.013 | 207.0* | 0.8 | | | | | | |
| 00487+1841 | BU495AB | 2015.880 | 1 | 0.385 | 0.009 | 241.1* | 0.9 | | | Sca2000b | -0.024 | 1.0 | 2 |
| 00487+1841 | BU495AB | 2015.880 | 1 | 0.379 | 0.007 | 241.9* | 0.9 | 0.20 | | Sca2000b | -0.030 | 1.8 | 2 |
| 00488+1046 | J223 | 2015.943 | 1 | 1.585 | 0.033 | 104.0* | 2.7 | | | | | | |
| 00488+1046 | J223 | 2015.943 | 1 | 1.606 | 0.023 | 102.5* | 2.1 | 0.33 | | | | | |
| 00491+5749 | STF60Aa,Ab | 2015.847 | 1 | 5.104 | 0.026 | 134.0 | 0.3 | | NDp | | | | |
| 00491+5749 | STF60Aa,Ab | 2015.847 | 1 | 5.112 | 0.026 | 134.0 | 0.3 | | NDp | | | | |
| 00494+1104 | HDS108 | 2015.984 | 1 | 0.289 | 0.016 | 354.3* | 1.3 | | | | | | |
| 00494+1104 | HDS108 | 2015.984 | 1 | 0.323 | 0.007 | 355.3* | 0.6 | | | | | | |
| 00507+3649 | COU1052 | 2015.015 | 1 | 0.953 | 0.007 | 124.6 | 0.3 | | | | | | |
| 00507+3649 | COU1052 | 2015.015 | 1 | 0.951 | 0.007 | 124.1 | 0.5 | | | | | | |
| 00508+3203 | A922Aa,Ab | 2015.943 | 1 | 0.590 | 0.021 | 333.9* | 1.1 | | | Msn2001c | 0.093 | -6.5 | 4 |
| 00508+3203 | A922Aa,Ab | 2015.943 | 1 | 0.582 | 0.019 | 334.2* | 1.4 | 0.48 | | Msn2001c | 0.085 | -6.2 | 4 |
| 00509+2448 | POU68 | 2013.923 | 5 | 4.642 | 0.042 | 287.5 | 0.3 | 0.18 | | | | | |
| 00513+3543 | COU1209 | 2015.853 | 1 | 2.413 | 0.012 | 334.5* | 0.3 | | | | | | |
| 00513+3543 | COU1209 | 2015.853 | 1 | 2.410 | 0.034 | 334.5* | 0.3 | | | | | | |
| 00516+2237 | A1808 | 2015.880 | 1 | 0.212 | 0.007 | 203.0* | 3.7 | | | Doc2005b | 0.01 | -1.4 | 3 |
| 00516+2237 | A1808 | 2015.880 | 1 | 0.217 | 0.029 | 205.1* | 2.0 | | | Doc2005b | 0.01 | 0.7 | 3 |
| 00517+2523 | POU69 | 2013.925 | 5 | 5.758 | 0.042 | 177.6 | 0.3 | 0.14 | | | | | |
| 00520+3154 | A924 | 2015.853 | 1 | 0.283 | 0.018 | 128.8* | 0.8 | 0.30 | | Hrt2009 | -0.01 | 3.1 ^Q | 4 |
| 00520+3154 | A924 | 2015.853 | 1 | 0.336 | 0.013 | 128.1* | 0.8 | | | Hrt2009 | 0.04 | 2.4 ^Q | 4 |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 00521+1036 | STF67 | 2015.995 | 1 | 2.297 | 0.011 | 350.4* | 0.3 | 2.32 | | Hrt2011a | 0.01 | 1.0 | 4 |
| 00521+1036 | STF67 | 2015.995 | 1 | 2.303 | 0.012 | 350.3* | 0.4 | | | Hrt2011a | 0.02 | 0.9 | 4 |
| 00525+2406 | POU71AB | 2013.925 | 5 | 5.290 | 0.042 | 156.1 | 0.3 | 0.08 | | | | | |
| 00525+2406 | POU71AB | 2013.925 | 5 | 5.185 | 0.017 | 156.8 | 1.3 | 0.09 | | | | | |
| 00525+2406 | POU71Aa,Ab | 2013.925 | 5 | 3.847 | 0.042 | 196.3 | 0.3 | 1.06 | NDg | | | | |
| 00527+3316 | ES316 | 2015.995 | 1 | 2.880 | 0.014 | 295.2* | 0.3 | | | | | | |
| 00527+3316 | ES316 | 2015.995 | 1 | 2.897 | 0.016 | 295.3* | 0.3 | 2.09 | | | | | |
| 00536+1911 | COU252 | 2015.984 | 1 | 0.345 | 0.022 | 100.0 | 4.0 | | | | | | |
| 00536+1911 | COU252 | 2015.984 | 1 | 0.367 | 0.033 | 101.9* | 2.5 | | | | | | |
| 00549+3827 | A1510 | 2015.935 | 1 | 0.611 | 0.007 | 103.0* | 0.5 | 0.85 | | | | | |
| 00549+3827 | A1510 | 2015.935 | 1 | 0.611 | 0.007 | 102.4* | 1.5 | | | | | | |
| 00550+2338 | STF73AB | 2015.020 | 1 | 1.115 | 0.007 | 149.6 | 0.5 | | | Mut2010b | -0.004 | 0.5 | 2 |
| 00550+2338 | STF73AB | 2015.020 | 1 | 1.116 | 0.019 | 149.1 | 0.3 | | | Mut2010b | -0.003 | 0.0 | 2 |
| 00552+4653 | HDS121 | 2015.853 | 1 | 0.415 | 0.039 | 115.9* | 2.8 | | | | | | |
| 00552+4653 | HDS121 | 2015.853 | 1 | 0.384 | 0.047 | 117.4 | 2.3 | | | | | | |
| 00553+1856 | A2209 | 2015.020 | 1 | 1.783 | 0.023 | 153.6 | 0.3 | | | | | | |
| 00553+1856 | A2209 | 2015.020 | 1 | 1.778 | 0.020 | 153.1 | 0.8 | | | | | | |
| 00554+3040 | BU500 | 2015.987 | 1 | 0.472 | 0.007 | 123.5* | 0.5 | | | | | | |
| 00554+3040 | BU500 | 2015.987 | 1 | 0.492 | 0.010 | 123.0* | 1.3 | | | | | | |
| 00555+2337 | POU77 | 2013.925 | 5 | 5.080 | 0.042 | 97.4 | 0.3 | 0.74 | | | | | |
| 00562+4639 | HDS124 | 2015.015 | 1 | 0.250 | 0.017 | 34.1 | 0.9 | | | | | | |
| 00562+4639 | HDS124 | 2015.015 | 1 | 0.242 | 0.025 | 33.0 | 1.3 | | | | | | |
| 00568+2404 | POU78 | 2013.923 | 5 | 5.345 | 0.042 | 44.6 | 0.3 | 0.13 | | | | | |
| 00571+1943 | ROE106 | 2015.987 | 1 | 3.037 | 0.015 | 99.9* | 0.3 | | | | | | |
| 00571+1943 | ROE106 | 2015.987 | 1 | 3.044 | 0.015 | 99.8* | 0.3 | 1.10 | | | | | |
| 00574+1829 | J586 | 2015.853 | 1 | 1.725 | 0.009 | 45.2* | 0.3 | | | | | | |
| 00574+1829 | J586 | 2015.853 | 1 | 1.740 | 0.010 | 44.8* | 0.9 | 0.29 | | | | | |
| 00575+3738 | COU1054 | 2015.872 | 1 | 0.365 | 0.019 | 151.4 | 1.6 | | | | | | |
| 00575+3738 | COU1054 | 2015.872 | 1 | 0.380 | 0.015 | 155.2 | 1.6 | | | | | | |
| 00576+2438 | POU80 | 2013.925 | 5 | 9.754 | 0.048 | 152.7 | 0.3 | 1.88 | | | | | |
| 00579+4054 | COU2004 | 2015.015 | 1 | 0.283 | 0.007 | 32.3 | 1.3 | | | | | | |
| 00579+4054 | COU2004 | 2015.015 | 1 | 0.299 | 0.018 | 33.8 | 1.3 | | | | | | |
| 00585+4843 | COU2254 | 2015.880 | 1 | 0.424 | 0.007 | 162.0* | 0.4 | 0.32 | | | | | |
| 00585+4843 | COU2254 | 2015.880 | 1 | 0.438 | 0.011 | 162.2* | 0.4 | | | | | | |
| 00586+4153 | TDS1697AB | 2015.872 | 1 | 1.149 | 0.010 | 86.8* | 0.4 | | | | | | |
| 00586+4153 | TDS1697AB | 2015.872 | 1 | 1.157 | 0.007 | 86.8* | 0.6 | | | | | | |
| 00587+4457 | A925 | 2015.935 | 1 | 1.100 | 0.007 | 106.8 | 0.3 | | | | | | |
| 00587+4457 | A925 | 2015.935 | 1 | 1.076 | 0.021 | 107.0 | 0.7 | | | | | | |
| 00594+4057 | COU1505 | 2015.880 | 1 | 0.200 | 0.052 | 138.0* | 1.7 | | | | | | |
| 00594+4057 | COU1505 | 2015.880 | 1 | 0.183 | 0.029 | 137.1* | 1.3 | | | | | | |
| 00599+0318 | HDS129 | 2015.853 | 1 | 0.525 | 0.027 | 315.6* | 0.5 | | | | | | |
| 01000+2426 | POU84 | 2013.925 | 5 | 7.657 | 0.042 | 188.2 | 0.3 | 0.37 | | | | | |
| 01005+3718 | ES2008 | 2015.943 | 1 | 2.180 | 0.015 | 43.1* | 0.4 | | | | | | |
| 01005+3718 | ES2008 | 2015.943 | 1 | 2.193 | 0.011 | 43.4* | 0.3 | 0.62 | | | | | |
| 01007+1659 | HEI96 | 2015.943 | 1 | 0.413 | 0.008 | 65.6* | 0.8 | 0.51 | | | | | |
| 01007+1659 | HEI96 | 2015.943 | 1 | 0.421 | 0.007 | 66.4* | 0.9 | | | | | | |
| 01007+2439 | POU87AB | 2013.925 | 5 | 5.093 | 0.042 | 293.9 | 0.3 | 0.97 | | | | | |
| 01007+2439 | POU87AB | 2013.925 | 5 | 5.148 | 0.042 | 294.1 | 1.3 | 0.96 | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ (") | $\Delta\theta(\text{O-C})$ (°) | Grade |
|------------|---------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|---------------------------------|-----------------------------------|-------|
| 01007+2439 | POU87AC | 2013.925 | 5 | 7.639 | 0.042 | 346.4 | 0.3 | 5.12 | NDp | | | | |
| 01007+2439 | POU87AC | 2013.925 | 5 | 7.614 | 0.047 | 347.3 | 3.3 | 5.05 | NDp | | | | |
| 01007+2439 | POU87AD | 2013.925 | 5 | 9.088 | 0.042 | 225.9 | 0.3 | 2.00 | NDp | | | | |
| 01007+2439 | POU87AE | 2013.925 | 5 | 19.143 | 0.162 | 234.3 | 2.3 | 2.55 | NDp | | | | |
| 01007+2439 | POU87AF | 2013.925 | 5 | 22.966 | 0.197 | 143.0 | 3.3 | 3.70 | NDp | | | | |
| 01007+2439 | POU87AG | 2013.925 | 5 | 28.077 | 0.297 | 231.5 | 4.3 | 4.53 | NDp | | | | |
| 01007+2439 | POU87AH | 2013.925 | 5 | 31.936 | 0.347 | 63.8 | 5.3 | 5.47 | NDp | | | | |
| 01014+1155 | BU867 | 2015.935 | 1 | 0.686 | 0.013 | 352.8* | 0.4 | | | Hrt2008 | 0.07 | 0.3 | 3 |
| 01014+1155 | BU867 | 2015.935 | 1 | 0.674 | 0.007 | 353.4* | 0.3 | | | Hrt2008 | 0.06 | 0.9 | 3 |
| 01015+2424 | POU89 | 2013.963 | 5 | 6.449 | 0.042 | 19.9 | 0.3 | 1.16 | | | | | |
| 01017+4356 | ES1492 | 2015.995 | 1 | 3.160 | 0.038 | 74.2* | 0.5 | 3.03 | | | | | |
| 01017+4356 | ES1492 | 2015.995 | 1 | 3.123 | 0.016 | 74.8* | 0.6 | | | | | | |
| 01020+2444 | POU91 | 2013.964 | 5 | 2.491 | 0.042 | 268.1 | 0.3 | 1.65 | | | | | |
| 01021+3847 | COU1210 | 2015.550 | 1 | 0.414 | 0.007 | 79.3 | 0.4 | | | | | | |
| 01021+3847 | COU1210 | 2015.001 | 1 | 0.415 | 0.008 | 79.9 | 0.5 | | | | | | |
| 01026+2426 | POU94AB | 2013.923 | 5 | 7.109 | 0.042 | 225.6 | 0.3 | 0.89 | | | | | |
| 01026+2426 | POU94AB | 2013.923 | 5 | 6.868 | 0.187 | 225.0 | 2.3 | 0.91 | | | | | |
| 01026+2426 | GRV65AC | 2013.923 | 5 | 28.132 | 0.023 | 198.9 | 1.3 | 0.70 | | | | | |
| 01026+2426 | GRV65AC | 2013.923 | 5 | 28.114 | 0.023 | 198.8 | 0.3 | 0.71 | | | | | |
| 01030+4723 | STT21 | 2015.020 | 1 | 1.296 | 0.009 | 175.4 | 0.3 | | | Hei1966 | 0.15 | -0.3 | 5 |
| 01030+4723 | STT21 | 2015.020 | 1 | 1.289 | 0.007 | 175.4 | 0.3 | | | Hei1966 | 0.14 | -0.3 | 5 |
| 01032+2006 | LDS873 | 2015.995 | 1 | 2.522 | 0.013 | 56.8* | 0.3 | 1.18 | | Izm2019 | 0.10 | 0.7 | 5 |
| 01032+2006 | LDS873 | 2015.995 | 1 | 2.529 | 0.016 | 56.9* | 0.3 | | | Izm2019 | 0.11 | 0.8 | 5 |
| 01032+2146 | J873 | 2015.935 | 1 | 2.900 | 0.014 | 231.8* | 0.4 | 2.08 | | | | | |
| 01032+2146 | J873 | 2015.935 | 1 | 2.889 | 0.014 | 231.8* | 0.4 | | | | | | |
| 01038+0646 | A2004 | 2015.853 | 1 | 1.719 | 0.009 | 242.9 | 0.7 | | | | | | |
| 01038+0646 | A2004 | 2015.853 | 1 | 1.723 | 0.013 | 242.8 | 0.3 | | | | | | |
| 01040+3528 | HO213 | 2015.984 | 1 | 0.304 | 0.025 | 123.0* | 0.5 | | | Doc2007d | 0.01 | 0.2 | 4 |
| 01040+3528 | HO213 | 2015.984 | 1 | 0.312 | 0.007 | 123.1* | 0.4 | | | Doc2007d | 0.01 | 0.3 | 4 |
| 01042+2344 | COU76 | 2015.935 | 1 | 2.142 | 0.013 | 151.1* | 0.3 | | | | | | |
| 01042+2344 | COU76 | 2015.935 | 1 | 2.141 | 0.015 | 151.1* | 0.3 | 1.32 | | | | | |
| 01044-0436 | RST4163 | 2015.853 | 1 | 2.107 | 0.040 | 256.6* | 0.5 | | | | | | |
| 01044-0436 | RST4163 | 2015.853 | 1 | 2.106 | 0.046 | 255.8* | 4.2 | | | | | | |
| 01046+2558 | COU253 | 2015.943 | 1 | 0.994 | 0.007 | 96.6* | 0.3 | 1.50 | | | | | |
| 01046+2558 | COU253 | 2015.943 | 1 | 0.998 | 0.007 | 96.7* | 0.4 | | | | | | |
| 01048+0135 | A2310 | 2015.853 | 1 | 0.358 | 0.023 | 313.6* | 0.6 | 0.38 | | Doc2001a | 0.03 | 6.5 | 4 |
| 01048+0135 | A2310 | 2015.853 | 1 | 0.345 | 0.008 | 312.0* | 0.7 | | | Doc2001a | 0.01 | 4.9 | 4 |
| 01049+3649 | A1515 | 2015.880 | 1 | 0.118 | 0.044 | 307.4 | 8.3 | | | Doc2009g | -0.03 | -9.7 | 3 |
| 01049+3649 | A1515 | 2015.880 | 1 | 0.150 | 0.037 | 311.0* | 7.0 | | | Doc2009g | -0.00 | -6.1 | 3 |
| 01053+3117 | COU549 | 2015.001 | 1 | 1.329 | 0.012 | 255.1* | 0.6 | | | | | | |
| 01053+3117 | COU549 | 2015.001 | 1 | 1.327 | 0.013 | 254.9 | 0.8 | | | | | | |
| 01055+2107 | AG14 | 2015.968 | 1 | 0.794 | 0.021 | 311.5* | 2.1 | | | FMR2014f | -0.03 | 0.7 | 4 |
| 01055+2107 | AG14 | 2015.968 | 1 | 0.801 | 0.011 | 310.2* | 0.3 | | | FMR2014f | -0.03 | -0.6 | 4 |
| 01055+4107 | HEI833 | 2015.987 | 1 | 2.059 | 0.014 | 48.9* | 0.6 | | | | | | |
| 01055+4107 | HEI833 | 2015.987 | 1 | 2.050 | 0.017 | 49.1* | 0.9 | 0.08 | | | | | |
| 01058+1319 | BU1228 | 2015.995 | 1 | 0.449 | 0.037 | 258.9* | 0.5 | | | | | | |
| 01058+1319 | BU1228 | 2015.995 | 1 | 0.472 | 0.037 | 258.3* | 0.9 | | | | | | |
| 01062+2509 | COU77AC | 2015.935 | 1 | 3.030 | 0.080 | 229.9* | 2.0 | | NDg | | | | |
| 01062+2509 | COU77AC | 2015.935 | 1 | 3.092 | 0.015 | 229.1* | 0.3 | | NDg | | | | |
| 01062+2509 | COU77AC | 2015.943 | 1 | 3.136 | 0.052 | 228.9 | 0.7 | | NDg | | | | |
| 01062+2509 | COU77AC | 2015.943 | 1 | 3.059 | 0.015 | 229.3 | 0.3 | | NDg | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|---------|----------|-------------------------------|-------------------------------------|-------|
| 01062+2509 | COU77AB | 2015.935 | 1 | 2.815 | 0.014 | 231.1* | 0.3 | 1.02 | LY | | | | |
| 01062+2509 | COU77AB | 2015.935 | 1 | 2.787 | 0.014 | 231.3* | 0.3 | 1.32 | | | | | |
| 01062+2509 | COU77AB | 2015.943 | 1 | 2.780 | 0.014 | 231.0* | 0.3 | | | | | | |
| 01062+2509 | COU77AB | 2015.943 | 1 | 2.782 | 0.014 | 231.0 | 0.3 | | | | | | |
| 01062+2509 | COU77Ba,Bb | 2015.935 | 1 | 0.268 | 0.007 | 220.0 | 0.3 | 0.76 | NDg, LY | | | | |
| 01062+2509 | COU77Ba,Bb | 2015.935 | 1 | 0.264 | 0.007 | 213.9 | 0.3 | 0.61 | NDg | | | | |
| 01062+2509 | COU77Ba,Bb | 2015.943 | 1 | 0.286 | 0.007 | 213.5* | 0.3 | 1.46 | NDg | | | | |
| 01062+2509 | COU77Ba,Bb | 2015.943 | 1 | 0.295 | 0.018 | 212.7 | 4.2 | 0.76 | NDg | | | | |
| 01067+4312 | BRT77 | 2015.968 | 1 | 2.635 | 0.024 | 170.4* | 0.3 | | | | | | |
| 01067+4312 | BRT77 | 2015.968 | 1 | 2.680 | 0.017 | 170.8* | 0.3 | 0.71 | | | | | |
| 01071-0036 | HDS144AB | 2015.853 | 1 | 0.269 | 0.007 | 136.2* | 0.5 | | | Tok2014a | -0.05 | -3.9 | 4 |
| 01072+4933 | HDS145 | 2015.020 | 1 | 0.105 | 0.007 | 33.3 | 3.2 | | | | | | |
| 01077+1651 | J926 | 2015.987 | 1 | 2.883 | 0.019 | 122.1* | 0.3 | | | | | | |
| 01077+1651 | J926 | 2015.987 | 1 | 2.902 | 0.021 | 121.8* | 0.3 | 1.57 | | | | | |
| 01077+3440 | COU661 | 2015.935 | 1 | 3.008 | 0.023 | 318.9* | 0.7 | | | | | | |
| 01077+3440 | COU661 | 2015.935 | 1 | 3.030 | 0.024 | 319.4* | 0.5 | | | | | | |
| 01078+2452 | POU100AB | 2013.923 | 5 | 8.520 | 0.042 | 84.4 | 0.3 | 1.51 | | | | | |
| 01078+2452 | POU100AB | 2013.923 | 5 | 8.520 | 0.017 | 84.2 | 1.3 | 1.51 | | | | | |
| 01078+2452 | POU100AC | 2013.923 | 5 | 23.299 | 0.019 | 281.9 | 0.3 | 1.50 | NDp | | | | |
| 01078+2452 | POU100AC | 2013.923 | 5 | 23.268 | 0.017 | 281.7 | 1.3 | 1.51 | NDp | | | | |
| 01079+3153 | ES2402 | 2015.995 | 1 | 2.840 | 0.026 | 241.3* | 0.3 | 0.55 | | | | | |
| 01079+3153 | ES2402 | 2015.995 | 1 | 2.852 | 0.046 | 241.1* | 0.4 | | | | | | |
| 01080+2044 | DRS2 | 2015.415 | 1 | — | — | — | — | | NR | | | | |
| 01081+4012 | COU1056 | 2015.968 | 1 | 0.683 | 0.010 | 95.1* | 0.3 | | | | | | |
| 01081+4012 | COU1056 | 2015.968 | 1 | 0.676 | 0.011 | 95.5* | 0.7 | | | | | | |
| 01084+4238 | COU1356 | 2015.968 | 1 | 0.480 | 0.007 | 182.3* | 0.6 | | | | | | |
| 01084+4238 | COU1356 | 2015.968 | 1 | 0.476 | 0.009 | 182.1* | 1.4 | | | | | | |
| 01088+3441 | COU662 | 2015.984 | 1 | 1.066 | 0.007 | 255.0* | 0.3 | 0.56 | | | | | |
| 01092+2504 | POU104 | 2013.925 | 5 | 6.541 | 0.042 | 177.7 | 0.3 | | | | | | |
| 01094+4454 | A932 | 2015.984 | 1 | 0.916 | 0.032 | 331.9* | 1.5 | | | | | | |
| 01094+4454 | A932 | 2015.984 | 1 | 0.906 | 0.013 | 332.2* | 0.3 | | | | | | |
| 01103+1636 | HU1209AB | 2015.968 | 1 | 0.954 | 0.021 | 218.5* | 1.4 | | | | | | |
| 01103+1636 | HU1209AB | 2015.968 | 1 | 0.940 | 0.007 | 217.6* | 0.3 | | | | | | |
| 01103+2025 | J1443 | 2015.968 | 1 | 2.181 | 0.011 | 40.5* | 0.3 | | | | | | |
| 01103+2025 | J1443 | 2015.968 | 1 | 2.186 | 0.011 | 40.3* | 0.3 | 6.00 | | | | | |
| 01105+3917 | COU1212 | 2015.880 | 1 | 0.253 | 0.022 | 169.5* | 0.7 | 0.42 | | Cou1999b | -0.31 | 47.6 ^Q | 5 |
| 01105+3917 | COU1212 | 2015.880 | 1 | 0.266 | 0.022 | 168.8* | 1.1 | | | Cou1999b | -0.29 | 46.9 ^Q | 5 |
| 01129+5136 | HDS160AB | 2015.020 | 1 | 0.147 | 0.012 | 119.9 | 1.5 | | | Cve2013b | 0.048 | 0.9 | 4 |
| 01129+5136 | HDS160AB | 2015.020 | 1 | 0.183 | 0.028 | 116.8 | 2.6 | | | Cve2013b | 0.084 | -2.2 | 4 |
| 01131+2942 | A1260AB | 2015.987 | 1 | 0.174 | 0.058 | 53.7* | 6.4 | | | Msn2017a | -0.04 | -9.7 | 3 |
| 01131+2942 | A1260AB | 2015.987 | 1 | 0.108 | 0.077 | 58.7 | 7.2 | | | Msn2017a | -0.11 | -4.7 | 3 |
| 01134+2418 | POU110 | 2013.925 | 5 | 5.000 | 0.042 | 94.4 | 0.3 | 2.48 | | | | | |
| 01147+4829 | COU1858 | 2015.015 | 1 | 0.384 | 0.008 | 257.2* | 1.0 | | | | | | |
| 01147+4829 | COU1858 | 2015.015 | 1 | 0.379 | 0.007 | 257.2 | 1.0 | | | | | | |
| 01154+3829 | HO6 | 2015.943 | 1 | 1.266 | 0.007 | 123.2* | 0.4 | | | | | | |
| 01154+3829 | HO6 | 2015.943 | 1 | 1.275 | 0.012 | 123.4* | 0.4 | | | | | | |
| 01157+3712 | A1519AB | 2015.943 | 1 | 1.667 | 0.008 | 73.1* | 0.3 | | | | | | |
| 01157+3712 | A1519AB | 2015.943 | 1 | 1.669 | 0.008 | 73.1* | 0.4 | 3.00 | | | | | |
| 01158+0947 | A2102 | 2015.853 | 1 | 0.139 | 0.031 | 111.6* | 2.6 | | | RAO2015 | -0.10 | 6.2 | 5 |
| 01158+0947 | A2102 | 2015.853 | 1 | 0.188 | 0.037 | 102.4* | 7.1 | | | RAO2015 | -0.06 | -3.0 | 5 |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|---------|----------|-------------------------------|-------------------------------------|-------|
| 01158+4306 | COU1506 | 2015.880 | 1 | 0.525 | 0.017 | 86.6* | 0.9 | 0.33 | | | | | |
| 01158+4306 | COU1506 | 2015.880 | 1 | 0.535 | 0.017 | 86.2* | 1.1 | | | | | | |
| 01166+1831 | HDS169 | 2015.984 | 1 | 0.602 | 0.007 | 229.7* | 0.9 | | | | | | |
| 01166+1831 | HDS169 | 2015.984 | 1 | 0.613 | 0.011 | 228.4* | 1.9 | | | | | | |
| 01176+4018 | A1521 | 2015.015 | 1 | 0.123 | 0.017 | 114.5 | 3.1 | | | | | | |
| 01176+4018 | A1521 | 2015.015 | 1 | 0.132 | 0.014 | 112.9 | 2.4 | | | | | | |
| 01178+4945 | HU520 | 2015.880 | 1 | 0.365 | 0.024 | 345.6* | 1.4 | 0.11 | | | | | |
| 01178+4945 | HU520 | 2015.880 | 1 | 0.354 | 0.011 | 344.2* | 1.8 | | | | | | |
| 01180+3750 | COU856 | 2015.943 | 1 | 1.179 | 0.007 | 23.8* | 0.6 | | | | | | |
| 01180+3750 | COU856 | 2015.943 | 1 | 1.177 | 0.015 | 23.8* | 0.6 | | | | | | |
| 01187+3345 | COU663 | 2015.984 | 1 | 0.386 | 0.013 | 176.5* | 2.1 | | | | | | |
| 01187+3345 | COU663 | 2015.984 | 1 | 0.365 | 0.009 | 176.7* | 0.8 | | | | | | |
| 01198-0031 | FIN337BC | 2015.853 | 1 | 0.117 | 0.007 | 112.9 | 0.8 | | | Msn2010c | 0.01 | 13.4 | 2 |
| 01198-0031 | FIN337BC | 2015.853 | 1 | 0.121 | 0.007 | 109.3 | 2.8 | | | Msn2010c | 0.02 | 9.8 | 2 |
| 01198-0031 | STF113A,BC | 2015.853 | 1 | 1.630 | 0.008 | 21.2* | 0.3 | | | Zir2015a | -0.01 | 0.6 | 4 |
| 01198-0031 | STF113A,BC | 2015.853 | 1 | 1.632 | 0.029 | 20.6* | 0.6 | 3.45 | | Zir2015a | -0.01 | -0.1 | 4 |
| 01199+3520 | POP53 | 2015.880 | 1 | 2.479 | 0.012 | 71.2* | 0.3 | 2.68 | | | | | |
| 01199+3520 | POP53 | 2015.880 | 1 | 2.466 | 0.019 | 71.2* | 0.4 | | | | | | |
| 01203+2122 | A1905 | 2015.031 | 1 | 0.981 | 0.009 | 332.4* | 0.4 | | | | | | |
| 01203+2122 | A1905 | 2015.031 | 1 | 0.965 | 0.022 | 332.5 | 0.5 | | | | | | |
| 01204+0931 | A2211AB | 2015.853 | 1 | 2.594 | 0.014 | 358.8* | 0.3 | | | | | | |
| 01204+0931 | A2211AB | 2015.853 | 1 | 2.596 | 0.013 | 359.1 | 0.3 | | | | | | |
| 01204+0931 | TOK706Ba,Bb | 2015.853 | 1 | 0.132 | 0.036 | 127.4 | 4.0 | | | Tok2019 | -0.03 | 12.9 | |
| 01204+0931 | TOK706Ba,Bb | 2015.853 | 1 | 0.114 | 0.018 | 125.9 | 2.8 | | | Tok2019 | -0.05 | 11.4 | |
| 01207+5136 | HU523 | 2015.001 | 1 | 0.378 | 0.007 | 86.8* | 0.4 | | | | | | |
| 01207+5136 | HU523 | 2015.001 | 1 | 0.373 | 0.015 | 87.4 | 0.8 | | | | | | |
| 01210+3042 | MLB678 | 2015.968 | 1 | 1.669 | 0.015 | 151.1* | 0.5 | 0.43 | | | | | |
| 01210+3042 | MLB678 | 2015.968 | 1 | 1.669 | 0.014 | 151.5* | 0.4 | | | | | | |
| 01211+1540 | J227 | 2015.935 | 1 | 3.435 | 0.022 | 179.5* | 0.3 | | | | | | |
| 01211+1540 | J227 | 2015.935 | 1 | 3.469 | 0.017 | 179.8* | 0.5 | 2.44 | | | | | |
| 01213+1132 | BU4AB | 2015.935 | 1 | 0.607 | 0.007 | 107.2* | 0.6 | | | Sca2015b | 0.02 | 0.1 | 4 |
| 01213+1132 | BU4AB | 2015.935 | 1 | 0.602 | 0.018 | 107.0* | 1.0 | | | Sca2015b | 0.01 | -0.1 | 4 |
| 01213+2349 | POU120 | 2013.925 | 5 | 7.824 | 0.042 | 285.4 | 0.3 | | | | | | |
| 01216+2435 | POU121 | 2013.925 | 5 | 8.897 | 0.042 | 334.3 | 0.3 | 0.79 | | | | | |
| 01220+4830 | HDS176 | 2015.550 | 1 | 0.316 | 0.041 | 145.3 | 2.3 | | | | | | |
| 01220+4830 | HDS176 | 2015.015 | 1 | 0.260 | 0.043 | 146.2 | 2.4 | | | | | | |
| 01222+4208 | HDS178 | 2015.987 | 1 | — | — | — | — | | NR | | | | |
| 01226+1449 | MRL1 | 2015.943 | 1 | 0.221 | 0.047 | 117.7* | 2.9 | 0.08 | | | | | |
| 01226+1449 | MRL1 | 2015.943 | 1 | 0.139 | 0.088 | 114.5* | 7.5 | 0.08 | | | | | |
| 01240+0016 | RST4746Aa,Ab | 2015.853 | 1 | 0.504 | 0.013 | 200.1* | 0.5 | 0.08 | NDg | | | | |
| 01240+0016 | RST4746Aa,Ab | 2015.853 | 1 | 0.463 | 0.007 | 202.3* | 1.4 | | NDg | | | | |
| 01246+4310 | A3001 | 2015.031 | 2 | 0.694 | 0.018 | 88.2* | 0.6 | | | | | | |
| 01246+4310 | A3001 | 2015.031 | 2 | 0.674 | 0.017 | 89.2 | 1.2 | | | | | | |
| 01249+4302 | COU1358 | 2015.550 | 1 | 0.238 | 0.024 | 87.0 | 2.5 | | | | | | |
| 01249+4302 | COU1358 | 2015.001 | 1 | 0.142 | 0.084 | 82.8 | 5.1 | | | | | | |
| 01250-0242 | RST4177 | 2015.853 | 1 | 1.945 | 0.019 | 80.9* | 0.9 | 0.19 | | | | | |
| 01250-0242 | RST4177 | 2015.853 | 1 | 1.950 | 0.018 | 80.1* | 0.6 | | | | | | |
| 01256+0355 | HEI618 | 2015.853 | 1 | 1.261 | 0.044 | 87.8* | 0.9 | | | | | | |
| 01256+0355 | HEI618 | 2015.853 | 1 | 1.277 | 0.038 | 88.7* | 1.3 | | | | | | |
| 01256+2331 | TOK11AC | 2015.935 | 1 | 4.162 | 0.021 | 49.1 | 0.3 | 4.46 | LY, NDg | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|--------|----------|--------------------------------------|--|-------|
| 01256+2331 | TOK11AB | 2015.935 | 1 | — | — | — | — | | LY, NR | | | | |
| 01257+3621 | A1907 | 2015.968 | 1 | 2.168 | 0.011 | 219.4* | 0.3 | | | | | | |
| 01257+3621 | A1907 | 2015.968 | 1 | 2.164 | 0.014 | 219.3 | 0.3 | | | | | | |
| 01258+2733 | COU666 | 2015.943 | 1 | 0.446 | 0.007 | 145.6* | 0.5 | | | | | | |
| 01258+2733 | COU666 | 2015.943 | 1 | 0.424 | 0.010 | 145.2* | 0.8 | 0.30 | | | | | |
| 01260+1315 | HEI305Aa,Ab | 2015.984 | 1 | 0.480 | 0.015 | 150.4* | 0.4 | 0.21 | | | | | |
| 01260+1315 | HEI305Aa,Ab | 2015.984 | 1 | 0.488 | 0.007 | 150.1* | 0.3 | | | | | | |
| 01264+1451 | HEI205 | 2015.987 | 2 | 0.405 | 0.007 | 65.9* | 0.7 | 0.18 | | | | | |
| 01264+1451 | HEI205 | 2015.987 | 2 | 0.402 | 0.011 | 65.4* | 1.2 | | | | | | |
| 01267+1123 | HDS188 | 2015.935 | 1 | 0.658 | 0.007 | 163.5* | 0.7 | | | | | | |
| 01267+1123 | HDS188 | 2015.935 | 1 | 0.641 | 0.017 | 164.3* | 0.4 | 0.25 | | | | | |
| 01276+2104 | COU148 | 2015.987 | 1 | 1.221 | 0.007 | 247.1* | 0.5 | 1.56 | | | | | |
| 01276+2104 | COU148 | 2015.987 | 1 | 1.219 | 0.007 | 247.2* | 0.4 | | | | | | |
| 01279+5029 | ES451 | 2015.880 | 1 | 2.393 | 0.012 | 63.6* | 0.3 | 1.65 | | | | | |
| 01279+5029 | ES451 | 2015.880 | 1 | 2.397 | 0.012 | 63.3* | 0.3 | | | | | | |
| 01279+2344 | POU131AB | 2013.964 | 5 | 3.533 | 0.042 | 17.8 | 0.3 | 0.88 | | | | | |
| 01279+2344 | POU131AC | 2013.964 | 5 | 6.332 | 0.042 | 88.2 | 0.3 | 3.01 | NDp | | | | |
| 01279+2442 | POU129 | 2013.925 | 5 | 7.565 | 0.042 | 96.8 | 0.3 | 0.81 | | | | | |
| 01280+5100 | HDS191 | 2015.015 | 1 | 0.317 | 0.010 | 123.0 | 0.6 | | | | | | |
| 01280+5100 | HDS191 | 2015.015 | 1 | 0.312 | 0.011 | 123.2 | 0.8 | | | | | | |
| 01286+0009 | RST4748 | 2015.853 | 1 | 0.376 | 0.007 | 267.8* | 1.3 | 0.10 | | | | | |
| 01286+0009 | RST4748 | 2015.853 | 1 | 0.382 | 0.007 | 267.7* | 0.7 | | | | | | |
| 01286+3334 | ES319 | 2015.943 | 1 | 2.206 | 0.034 | 292.6* | 0.4 | | | | | | |
| 01286+3334 | ES319 | 2015.943 | 1 | 2.215 | 0.011 | 292.4* | 0.3 | 0.95 | | | | | |
| 01291+1026 | HDS195 | 2015.968 | 1 | 0.173 | 0.007 | 186.1* | 3.9 | | | | | | |
| 01291+1026 | HDS195 | 2015.968 | 1 | 0.179 | 0.019 | 182.7* | 4.7 | | | | | | |
| 01291+2143 | HO9BC | 2015.995 | 1 | 2.993 | 0.035 | 91.8* | 0.5 | 0.95 | | | | | |
| 01291+2143 | HO9BC | 2015.995 | 1 | 2.988 | 0.038 | 92.1* | 0.3 | | | | | | |
| 01292+4321 | COU1359 | 2015.943 | 1 | 0.939 | 0.008 | 141.4* | 0.9 | | | | | | |
| 01292+4321 | COU1359 | 2015.943 | 1 | 0.941 | 0.007 | 141.2* | 0.7 | 0.19 | | | | | |
| 01297+1423 | HEI206 | 2015.943 | 1 | 2.405 | 0.012 | 57.5* | 0.4 | | | | | | |
| 01297+1423 | HEI206 | 2015.943 | 1 | 2.432 | 0.012 | 57.0* | 0.3 | 0.20 | | | | | |
| 01297+2250 | A1910AB | 2015.984 | 1 | 0.163 | 0.017 | 172.4* | 1.8 | | | Hrt1996a | -0.04 | -4.0 | 2 |
| 01297+2250 | A1910AB | 2015.984 | 1 | 0.106 | 0.013 | 172.6 | 5.5 | | | Hrt1996a | -0.10 | -3.8 | 2 |
| 01299+4547 | COU1659 | 2015.880 | 1 | 0.380 | 0.007 | 30.4* | 0.7 | | | | | | |
| 01299+4547 | COU1659 | 2015.880 | 1 | 0.386 | 0.007 | 31.2* | 0.6 | | | | | | |
| 01306+5132 | COU2552 | 2015.020 | 1 | 0.534 | 0.114 | 26.2* | 2.6 | | | | | | |
| 01306+5132 | COU2552 | 2015.020 | 1 | 0.522 | 0.012 | 25.9 | 1.8 | | | | | | |
| 01311+4337 | ES4 | 2015.995 | 1 | 2.759 | 0.014 | 99.5* | 0.3 | | | | | | |
| 01311+4337 | ES4 | 2015.995 | 1 | 2.750 | 0.014 | 99.9* | 0.3 | | | | | | |
| 01317+1506 | CHR198 | 2015.414 | 1 | 0.446 | 0.007 | 353.2 | 0.3 | 1.81 | | | | | |
| 01317+1506 | CHR198 | 2015.987 | 1 | 0.396 | 0.007 | 355.9* | 0.6 | | | | | | |
| 01317+1506 | CHR198 | 2015.987 | 1 | 0.393 | 0.007 | 356.4* | 0.5 | | | | | | |
| 01325+4250 | BRT80 | 2015.995 | 1 | 2.413 | 0.025 | 220.5* | 0.5 | | | | | | |
| 01325+4250 | BRT80 | 2015.995 | 1 | 2.404 | 0.022 | 220.7* | 0.5 | 0.48 | | | | | |
| 01330+0542 | J640 | 2015.853 | 1 | 1.443 | 0.010 | 49.3* | 0.9 | | | | | | |
| 01330+0542 | J640 | 2015.853 | 1 | 1.459 | 0.007 | 49.6* | 0.8 | 0.26 | | | | | |
| 01333+4320 | TDS54Aa,Ab | 2015.001 | 1 | 0.210 | 0.020 | 57.4 | 4.3 | | NDp | | | | |
| 01333+4320 | TDS54Aa,Ab | 2015.001 | 1 | 0.184 | 0.022 | 55.7 | 4.3 | | NDp | | | | |
| 01345+3440 | A1913AB | 2015.031 | 1 | 0.457 | 0.014 | 131.1 | 1.6 | | | Lin2023 | 0.03 | 0.2 | 4 |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 01345+3440 | A1913AB | 2015.031 | 1 | 0.441 | 0.027 | 130.3 | 1.4 | | | Lin2023 | 0.01 | -0.6 | 4 |
| 01349+3519 | POP48 | 2015.880 | 1 | 2.145 | 0.031 | 25.6* | 0.9 | | | | | | |
| 01349+3519 | POP48 | 2015.880 | 1 | 2.126 | 0.021 | 25.0* | 0.5 | | | | | | |
| 01351+0145 | A2401 | 2015.853 | 1 | 1.182 | 0.015 | 339.1* | 0.5 | | | | | | |
| 01351+0145 | A2401 | 2015.853 | 1 | 1.196 | 0.018 | 339.1* | 0.6 | | | | | | |
| 01351+4613 | TDS1921Aa,Ab | 2015.001 | 1 | 0.100 | 0.087 | 61.6 | 7.7 | | | NDp | | | |
| 01351+4613 | TDS1921Aa,Ab | 2015.001 | 1 | 0.115 | 0.075 | 59.8 | 6.3 | | | NDp | | | |
| 01353+4250 | COU1507 | 2015.987 | 1 | 0.854 | 0.013 | 89.2* | 0.5 | | | | | | |
| 01353+4250 | COU1507 | 2015.987 | 1 | 0.860 | 0.010 | 89.5* | 0.4 | | | | | | |
| 01354+1126 | HDS213 | 2015.968 | 1 | 0.308 | 0.037 | 194.9* | 1.4 | | | Cve2017b | 0.03 | 4.5 | 5 |
| 01354+1126 | HDS213 | 2015.968 | 1 | 0.271 | 0.044 | 193.4* | 0.9 | | | Cve2017b | -0.01 | 3.0 | 5 |
| 01359+3304 | HLD6 | 2015.935 | 1 | 2.145 | 0.011 | 294.2* | 0.3 | | | | | | |
| 01359+3304 | HLD6 | 2015.935 | 1 | 2.145 | 0.027 | 294.2* | 0.4 | 0.36 | | | | | |
| 01360+2646 | BU507 | 2015.995 | 1 | 2.139 | 0.020 | 146.1* | 1.1 | | | | | | |
| 01360+2646 | BU507 | 2015.995 | 1 | 2.142 | 0.012 | 145.9* | 0.3 | | | | | | |
| 01363+5044 | SKF391 | 2015.015 | 1 | 2.002 | 0.013 | 34.2* | 0.6 | | | | | | |
| 01363+5044 | SKF391 | 2015.015 | 1 | 2.002 | 0.016 | 34.3 | 0.6 | | | | | | |
| 01363+5043 | GII91 | 2015.550 | 1 | 0.366 | 0.049 | 30.3 | 2.0 | | | | | | |
| 01363+5043 | GII91 | 2015.550 | 1 | 0.350 | 0.051 | 30.1 | 2.3 | | | | | | |
| 01363+5043 | GII91 | 2015.550 | 1 | 0.377 | 0.021 | 28.1 | 3.0 | | | | | | |
| 01365+4018 | COU1360 | 2015.943 | 1 | 0.761 | 0.007 | 315.8* | 0.3 | | | | | | |
| 01365+4018 | COU1360 | 2015.943 | 1 | 0.764 | 0.009 | 317.1* | 0.6 | | | | | | |
| 01365+5049 | HU527AB | 2015.031 | 1 | 1.872 | 0.012 | 308.3* | 0.3 | | | | | | |
| 01365+5049 | HU527AB | 2015.031 | 1 | 1.867 | 0.009 | 308.1 | 0.3 | | | | | | |
| 01367+5147 | COU2554 | 2015.001 | 1 | 0.482 | 0.007 | 120.0 | 0.6 | | | | | | |
| 01367+5147 | COU2554 | 2015.001 | 1 | 0.479 | 0.007 | 119.0* | 1.4 | | | | | | |
| 01373+1315 | HEI307 | 2015.987 | 1 | 2.306 | 0.038 | 352.9* | 0.3 | 0.69 | | | | | |
| 01373+1315 | HEI307 | 2015.987 | 1 | 2.307 | 0.016 | 352.4* | 0.3 | | | | | | |
| 01376-0223 | RST4181AB | 2015.853 | 1 | 0.806 | 0.007 | 146.2* | 0.4 | | | | | | |
| 01376-0223 | RST4181AB | 2015.853 | 1 | 0.811 | 0.013 | 147.1* | 0.7 | | | | | | |
| 01377+4825 | HDS215 | 2015.015 | 1 | 0.660 | 0.007 | 226.5 | 2.7 | | | | | | |
| 01377+4825 | HDS215 | 2015.015 | 1 | 0.666 | 0.037 | 228.0 | 0.6 | | | | | | |
| 01379+2753 | MLB516AC | 2015.935 | 1 | 2.407 | 0.032 | 230.8* | 0.3 | 0.72 | | NDg | | | |
| 01379+2753 | MLB516AC | 2015.935 | 1 | 2.489 | 0.134 | 230.0* | 2.5 | | | NDg | | | |
| 01379+2753 | MLB516AB | 2015.935 | 1 | 1.776 | 0.013 | 239.2* | 0.4 | 2.97 | | | | | |
| 01379+2753 | MLB516AB | 2015.935 | 1 | 1.773 | 0.010 | 239.1* | 0.4 | | | | | | |
| 01381+2447 | POU135 | 2013.964 | 5 | 5.025 | 0.007 | 215.3 | 0.3 | 2.82 | | | | | |
| 01384+4454 | A945 | 2015.995 | 1 | 3.624 | 0.018 | 84.9* | 0.3 | | | | | | |
| 01384+4454 | A945 | 2015.995 | 1 | 3.629 | 0.018 | 85.3* | 0.3 | | | | | | |
| 01388+3839 | BU1166AB | 2015.984 | 1 | 2.885 | 0.014 | 344.8* | 0.3 | | | | | | |
| 01388+3839 | BU1166AB | 2015.984 | 1 | 2.893 | 0.014 | 344.7 | 0.3 | | | | | | |
| 01390+4350 | ES1497AB | 2015.943 | 1 | 4.702 | 0.027 | 151.9 | 0.3 | 0.10 | | | | | |
| 01390+4350 | ES1497AB | 2015.943 | 1 | 4.649 | 0.029 | 151.5 | 0.6 | | | | | | |
| 01390+4350 | COU1660Aa,Ab | 2015.943 | 2 | 0.268 | 0.007 | 27.2* | 1.1 | | | | | | |
| 01390+4350 | COU1660Aa,Ab | 2015.943 | 2 | 0.279 | 0.034 | 29.7* | 2.4 | | | | | | |
| 01391-0048 | A1915 | 2015.853 | 1 | 0.630 | 0.009 | 269.5* | 1.1 | 0.23 | | | | | |
| 01391-0048 | A1915 | 2015.853 | 1 | 0.627 | 0.007 | 269.7* | 0.5 | | | | | | |
| 01393+1638 | BU5AB | 2015.031 | 1 | 0.522 | 0.014 | 281.6 | 1.1 | | | | | | |
| 01393+1638 | BU5AB | 2015.031 | 1 | 0.531 | 0.014 | 282.4 | 0.6 | | | | | | |
| 01394+3729 | COU1216 | 2015.984 | 1 | 1.483 | 0.007 | 32.5* | 0.5 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 01394+3729 | COU1216 | 2015.984 | 1 | 1.483 | 0.007 | 32.4* | 0.6 | 3.85 | | | | | |
| 01396+1939 | COU255 | 2015.968 | 1 | 1.285 | 0.009 | 194.4* | 0.7 | 1.24 | | | | | |
| 01396+1939 | COU255 | 2015.968 | 1 | 1.285 | 0.011 | 194.4* | 0.6 | | | | | | |
| 01399+3525 | ES2082 | 2015.995 | 1 | 2.434 | 0.012 | 299.1* | 0.3 | | | | | | |
| 01399+3525 | ES2082 | 2015.995 | 1 | 2.447 | 0.014 | 298.9* | 0.3 | 2.95 | | | | | |
| 01401+3858 | STF141 | 2015.031 | 1 | 1.709 | 0.011 | 123.7 | 0.3 | | | | | | |
| 01401+3858 | STF141 | 2015.031 | 1 | 1.703 | 0.009 | 123.4 | 0.3 | | | | | | |
| 01404+5055 | HDS220 | 2015.015 | 1 | 0.370 | 0.010 | 39.0 | 3.1 | | | | | | |
| 01404+5055 | HDS220 | 2015.015 | 1 | 0.249 | 0.039 | 39.4 | 4.7 | | | | | | |
| 01409+4952 | HU531AB | 2015.880 | 1 | 0.484 | 0.007 | 352.6* | 0.7 | 0.07 | | Msn2014b | 0.03 | 2.0 | 4 |
| 01409+4952 | HU531AB | 2015.880 | 1 | 0.497 | 0.015 | 351.2* | 0.8 | | | Msn2014b | 0.04 | 0.7 | 4 |
| 01410+4925 | COU2451 | 2015.880 | 1 | 0.703 | 0.008 | 127.8* | 0.7 | 0.07 | | | | | |
| 01410+4925 | COU2451 | 2015.880 | 1 | 0.694 | 0.007 | 127.7* | 0.5 | | | | | | |
| 01412+3524 | COU1061 | 2015.943 | 1 | 1.541 | 0.008 | 280.4* | 0.3 | 0.66 | | | | | |
| 01412+3524 | COU1061 | 2015.943 | 1 | 1.537 | 0.025 | 280.0* | 0.4 | | | | | | |
| 01415+5102 | COU2555 | 2015.015 | 1 | 2.066 | 0.015 | 137.6 | 0.3 | | | | | | |
| 01415+5102 | COU2555 | 2015.015 | 1 | 2.058 | 0.029 | 137.7 | 0.3 | | | | | | |
| 01425+5000 | HU1210CD | 2015.031 | 1 | 0.115 | 0.014 | 50.9 | 5.2 | | | | | | |
| 01425+5000 | HU1210CD | 2015.031 | 1 | 0.129 | 0.024 | 50.5 | 3.0 | | | | | | |
| 01428+3749 | COU1062 | 2015.968 | 1 | 0.306 | 0.019 | 98.0* | 0.8 | | | | | | |
| 01428+3749 | COU1062 | 2015.968 | 1 | 0.351 | 0.017 | 98.0* | 1.0 | 0.23 | | | | | |
| 01431+3426 | COU668Aa,Ab | 2015.943 | 1 | 0.686 | 0.023 | 252.8* | 0.6 | 0.12 | | | | | |
| 01431+3426 | COU668Aa,Ab | 2015.943 | 1 | 0.694 | 0.018 | 252.9* | 0.5 | | | | | | |
| 01435+1927 | COU256 | 2015.987 | 1 | 0.149 | 0.025 | 81.3 | 3.0 | | | | | | |
| 01435+1927 | COU256 | 2015.987 | 1 | 0.173 | 0.007 | 82.9 | 3.6 | | | | | | |
| 01438+3807 | COU1064 | 2015.935 | 1 | 2.204 | 0.012 | 99.6* | 0.3 | | | | | | |
| 01438+3807 | COU1064 | 2015.935 | 1 | 2.204 | 0.016 | 99.7* | 0.6 | 1.34 | | | | | |
| 01443+4038 | ES1609 | 2015.984 | 1 | 2.626 | 0.015 | 193.4* | 0.3 | | | | | | |
| 01443+4038 | ES1609 | 2015.984 | 1 | 2.645 | 0.018 | 193.4* | 0.7 | 1.78 | | | | | |
| 01450+2703 | COU750 | 2015.020 | 1 | 0.287 | 0.013 | 32.9 | 2.6 | | | Doc2005c | -0.08 | 0.6 | 5 |
| 01450+2703 | COU750 | 2015.020 | 1 | 0.297 | 0.021 | 30.8 | 3.3 | | | Doc2005c | -0.07 | -1.5 | 5 |
| 01462+2254 | BU784 | 2015.984 | 1 | 2.128 | 0.011 | 43.4* | 0.3 | 2.28 | | | | | |
| 01462+2254 | BU784 | 2015.984 | 1 | 2.125 | 0.011 | 43.5* | 0.3 | | | | | | |
| 01462+3343 | HU804 | 2015.968 | 1 | 0.269 | 0.033 | 79.3* | 0.4 | | | Ole2001 | -0.15 | 5.5 | 5 |
| 01462+3343 | HU804 | 2015.968 | 1 | 0.232 | 0.039 | 79.3* | 0.3 | | | Ole2001 | -0.19 | 5.5 | 5 |
| 01463+4059 | HDS235 | 2015.015 | 1 | 0.237 | 0.008 | 18.3 | 1.2 | | | | | | |
| 01463+4059 | HDS235 | 2015.015 | 1 | 0.227 | 0.007 | 16.8 | 0.3 | | | | | | |
| 01463+4439 | A948CD | 2015.987 | 1 | 2.684 | 0.019 | 309.8 | 0.8 | | | | | | |
| 01463+4439 | A948CD | 2015.995 | 1 | 2.679 | 0.013 | 309.4* | 0.3 | 0.10 | | | | | |
| 01463+4439 | A948AB | 2015.020 | 1 | 0.300 | 0.047 | 137.9 | 3.6 | | | USN2002 | -0.03 | -1.0 | 5 |
| 01463+4439 | A948AB | 2015.020 | 1 | 0.454 | 0.048 | 142.1 | 3.4 | | | USN2002 | 0.13 | 3.2 | 5 |
| 01472+4212 | A1523 | 2015.987 | 1 | 0.377 | 0.007 | 61.8* | 1.6 | | | | | | |
| 01472+4212 | A1523 | 2015.987 | 1 | 0.391 | 0.009 | 61.9* | 0.9 | | | | | | |
| 01475+3423 | ES2213 | 2015.995 | 1 | 2.538 | 0.030 | 208.2* | 0.6 | | | | | | |
| 01475+3423 | ES2213 | 2015.995 | 1 | 2.510 | 0.013 | 208.3* | 0.3 | 0.03 | | | | | |
| 01485+4308 | COU1662 | 2015.943 | 1 | 1.537 | 0.021 | 305.8* | 0.8 | | | | | | |
| 01485+4308 | COU1662 | 2015.943 | 1 | 1.559 | 0.024 | 305.6* | 0.3 | | | | | | |
| 01492+4153 | BRT327 | 2015.995 | 1 | 2.124 | 0.018 | 329.0* | 0.3 | 0.21 | | | | | |
| 01492+4153 | BRT327 | 2015.995 | 1 | 2.145 | 0.044 | 328.7* | 0.9 | | | | | | |
| 01493+4754 | STF162AB | 2015.020 | 1 | 1.970 | 0.021 | 19.0 | 0.4 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ (") | $\Delta\theta(\text{O-C})$ (°) | Grade |
|------------|-------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|---------------------------------|-----------------------------------|-------|
| 01493+4754 | STF162AB | 2015.020 | 1 | 1.976 | 0.011 | 19.3 | 0.3 | | | | | | |
| 01497+0235 | RST5185 | 2015.853 | 1 | 2.320 | 0.023 | 108.5* | 0.3 | | | | | | |
| 01497+0235 | RST5185 | 2015.853 | 1 | 2.319 | 0.013 | 108.1* | 0.7 | 1.65 | | | | | |
| 01500-0408 | A2602 | 2015.853 | 1 | 0.812 | 0.008 | 182.1* | 0.4 | | | Doc2016i | 0.00 | 0.9 | 5 |
| 01500-0408 | A2602 | 2015.853 | 1 | 0.806 | 0.007 | 182.5* | 0.6 | 0.47 | | Doc2016i | -0.01 | 1.3 | 5 |
| 01502+2702 | BU1313 | 2015.943 | 1 | 0.518 | 0.007 | 153.0* | 0.7 | | | | | | |
| 01502+2702 | BU1313 | 2015.943 | 1 | 0.524 | 0.020 | 153.3* | 0.6 | 1.03 | | | | | |
| 01508+4024 | HDS248 | 2015.987 | 1 | 0.343 | 0.007 | 27.2* | 1.4 | | | | | | |
| 01508+4024 | HDS248 | 2015.987 | 1 | 0.343 | 0.007 | 26.5* | 1.2 | | | | | | |
| 01510+2551 | COU452 | 2015.020 | 1 | 0.242 | 0.050 | 179.0 | 1.4 | | | | | | |
| 01512+2439 | HO311 | 2015.968 | 1 | 0.409 | 0.018 | 176.7* | 1.0 | | | Hrt1989 | 0.02 | -1.0 ^Q | 3 |
| 01512+2439 | HO311 | 2015.943 | 1 | 0.396 | 0.007 | 177.7* | 0.3 | 0.74 | | Hrt1989 | 0.01 | 0.0 ^Q | 3 |
| 01515+4117 | HDS252AB | 2015.015 | 1 | 1.138 | 0.007 | 85.0 | 0.3 | | | | | | |
| 01515+4117 | HDS252AB | 2015.015 | 1 | 1.136 | 0.007 | 84.7 | 0.4 | | | | | | |
| 01515+4117 | HDS252Aa,Ab | 2015.015 | 1 | 0.171 | 0.032 | 39.8 | 5.2 | | | NDp | | | |
| 01515+4117 | HDS252Aa,Ab | 2015.015 | 1 | 0.222 | 0.038 | 34.9 | 5.5 | | | NDp | | | |
| 01516+4705 | A952 | 2015.015 | 1 | 2.170 | 0.020 | 77.0 | 1.3 | | | | | | |
| 01516+4705 | A952 | 2015.015 | 1 | 2.181 | 0.023 | 76.7 | 1.3 | | | | | | |
| 01518+1817 | COU2557 | 2015.984 | 1 | 1.214 | 0.023 | 81.4* | 0.3 | | | | | | |
| 01518+1817 | COU2557 | 2015.984 | 1 | 1.220 | 0.015 | 82.2* | 0.5 | | | | | | |
| 01523+3711 | COU1066 | 2015.935 | 1 | 0.911 | 0.038 | 144.2* | 0.7 | 0.06 | | | | | |
| 01523+3711 | COU1066 | 2015.935 | 1 | 0.930 | 0.014 | 145.1* | 1.5 | | | | | | |
| 01528-0447 | RST4188 | 2015.853 | 1 | 0.383 | 0.030 | 43.5* | 0.5 | 0.21 | | Tok2015c | 0.02 | 2.9 | 5 |
| 01528-0447 | RST4188 | 2015.853 | 1 | 0.352 | 0.037 | 43.3* | 1.6 | | | Tok2015c | -0.01 | 2.7 | 5 |
| 01529+2152 | J671 | 2015.987 | 1 | 2.999 | 0.026 | 154.0* | 0.3 | | | | | | |
| 01529+2152 | J671 | 2015.987 | 1 | 3.010 | 0.015 | 153.8* | 0.3 | 0.68 | | | | | |
| 01538+3634 | COU857Aa,Ab | 2015.995 | 1 | 1.863 | 0.108 | 144.8 | 2.2 | | | NDg | | | |
| 01538+3634 | COU857Aa,Ab | 2015.995 | 1 | 1.940 | 0.314 | 142.0 | 7.5 | | | NDg | | | |
| 01543+4020 | COU1363 | 2015.943 | 1 | 2.649 | 0.028 | 38.8* | 0.6 | | | | | | |
| 01543+4020 | COU1363 | 2015.943 | 1 | 2.693 | 0.020 | 38.8* | 0.9 | | | | | | |
| 01544+1754 | COU352 | 2015.943 | 1 | 0.995 | 0.014 | 20.5* | 1.0 | | | | | | |
| 01544+1754 | COU352 | 2015.943 | 1 | 0.992 | 0.032 | 21.0* | 0.4 | | | | | | |
| 01546+4906 | HDS260 | 2015.015 | 1 | 0.300 | 0.007 | 29.3 | 4.4 | | | | | | |
| 01546+4906 | HDS260 | 2015.015 | 1 | 0.293 | 0.007 | 30.3 | 4.1 | | | | | | |
| 01551+2847 | STF183AB,D | 2015.031 | 1 | 5.726 | 0.029 | 161.8 | 0.3 | | | NDp | | | |
| 01551+2847 | STF183AB,D | 2015.031 | 1 | 5.727 | 0.029 | 161.8 | 0.3 | | | NDp | | | |
| 01551+2847 | STF183AB,C | 2015.031 | 1 | 5.398 | 0.027 | 163.3 | 0.3 | | | | | | |
| 01551+2847 | STF183AB,C | 2015.031 | 1 | 5.359 | 0.041 | 163.4 | 0.3 | | | | | | |
| 01551+2847 | STF183AB | 2015.031 | 1 | 0.342 | 0.024 | 140.2 | 0.6 | | | | | | |
| 01551+2847 | STF183AB | 2015.031 | 1 | 0.339 | 0.015 | 138.2 | 1.8 | | | | | | |
| 01551+2847 | STF183AB | 2015.550 | 1 | 0.337 | 0.027 | 139.1 | 0.8 | | | | | | |
| 01559+0151 | STF186 | 2015.853 | 1 | 0.715 | 0.010 | 250.1* | 1.4 | | | Jte2018 | -0.012 | -0.6 | 2 |
| 01559+0151 | STF186 | 2015.853 | 1 | 0.731 | 0.007 | 251.1* | 0.7 | | | Jte2018 | 0.004 | 0.4 | 2 |
| 01565+2456 | POU150 | 2013.964 | 5 | 7.331 | 0.042 | 183.5 | 0.3 | 1.28 | | | | | |
| 01566+1228 | J316 | 2015.968 | 1 | 2.960 | 0.015 | 241.7* | 0.3 | 3.01 | | | | | |
| 01566+1228 | J316 | 2015.968 | 1 | 2.972 | 0.015 | 241.9* | 0.3 | | | | | | |
| 01570+3101 | A819AB | 2015.935 | 1 | 0.184 | 0.007 | 18.5* | 1.0 | | | Hrt2009 | -0.07 | 22.9 | 3 |
| 01571+1246 | HEI309 | 2015.987 | 1 | 2.253 | 0.015 | 359.9* | 0.3 | 0.40 | | | | | |
| 01571+1246 | HEI309 | 2015.987 | 1 | 2.255 | 0.015 | 359.6* | 0.3 | | | | | | |
| 01572+2429 | POU152BC | 2013.964 | 5 | 6.628 | 0.042 | 292.0 | 0.3 | 2.52 | | | | | |
| 01572+2429 | POU152BD | 2013.964 | 5 | 16.665 | 0.064 | 273.8 | 0.3 | 5.62 | | NDp | | | |
| 01573+4620 | COU1860 | 2015.015 | 1 | 0.743 | 0.032 | 171.3 | 0.5 | | | | | | |
| 01573+4620 | COU1860 | 2015.015 | 1 | 0.742 | 0.013 | 171.1 | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|-------|--------------------------------------|--|-------|
| 01577+3739 | COU1218 | 2015.984 | 1 | 0.399 | 0.007 | 354.0* | 0.3 | | | | | | |
| 01577+3739 | COU1218 | 2015.984 | 1 | 0.415 | 0.024 | 354.0* | 1.7 | | | | | | |
| 01579+1935 | COU2558 | 2015.031 | 1 | 0.852 | 0.034 | 24.5 | 1.6 | | | | | | |
| 01579+1935 | COU2558 | 2015.031 | 1 | 0.889 | 0.030 | 23.6 | 2.1 | | | | | | |
| 01581+3444 | COU859 | 2015.984 | 1 | 0.294 | 0.027 | 15.9* | 1.9 | | | | | | |
| 01581+3444 | COU859 | 2015.984 | 1 | 0.301 | 0.012 | 15.4* | 2.1 | | | | | | |
| 01584+5154 | COU2559 | 2015.001 | 1 | 0.438 | 0.015 | 68.0 | 1.3 | | | | | | |
| 01584+5154 | COU2559 | 2015.001 | 1 | 0.432 | 0.007 | 67.3 | 1.0 | | | | | | |
| 01588+3730 | COU1364 | 2015.968 | 1 | 0.469 | 0.010 | 54.8* | 0.3 | | | | | | |
| 01588+3730 | COU1364 | 2015.968 | 1 | 0.473 | 0.007 | 53.6* | 0.9 | 0.31 | | | | | |
| 01592+0734 | J644 | 2015.853 | 1 | 2.328 | 0.013 | 198.2* | 0.6 | | | | | | |
| 01592+0734 | J644 | 2015.853 | 1 | 2.308 | 0.019 | 198.0* | 0.8 | 0.44 | | | | | |
| 01596+2100 | STF196AB | 2015.935 | 1 | 1.806 | 0.010 | 41.1* | 0.3 | | | | | | |
| 01596+2100 | STF196AB | 2015.935 | 1 | 1.793 | 0.009 | 41.4* | 0.5 | | | | | | |
| 01597+2505 | J230 | 2015.968 | 1 | 2.559 | 0.013 | 153.2* | 0.4 | 0.16 | | | | | |
| 01597+2505 | J230 | 2015.968 | 1 | 2.560 | 0.046 | 152.8* | 0.3 | | | | | | |
| 02003+3738 | A1812AB | 2015.935 | 1 | 2.821 | 0.014 | 236.5* | 0.3 | | | | | | |
| 02003+3738 | A1812AB | 2015.935 | 1 | 2.824 | 0.014 | 236.6* | 0.3 | | | | | | |
| 02014+5010 | HDS271 | 2015.031 | 2 | 0.250 | 0.007 | 92.2 | 0.7 | | | | | | |
| 02014+5010 | HDS271 | 2015.031 | 2 | 0.248 | 0.011 | 91.5 | 1.7 | | | | | | |
| 02016+4107 | COU1510 | 2015.550 | 1 | 0.374 | 0.025 | 140.6 | 2.2 | | | | | | |
| 02016+4107 | COU1510 | 2015.001 | 1 | 0.384 | 0.018 | 137.1 | 3.5 | | | | | | |
| 02022+1120 | J1080AB | 2015.987 | 1 | 2.717 | 0.021 | 186.9* | 0.3 | | | | | | |
| 02022+1120 | J1080AB | 2015.987 | 1 | 2.699 | 0.013 | 187.1* | 0.3 | 1.79 | | | | | |
| 02042+4007 | MLB11 | 2015.995 | 1 | 2.213 | 0.018 | 126.5* | 0.3 | | | | | | |
| 02042+4007 | MLB11 | 2015.995 | 1 | 2.215 | 0.020 | 126.6* | 0.3 | 2.64 | | | | | |
| 02043+3924 | COU1365 | 2015.987 | 1 | 0.195 | 0.037 | 128.7* | 4.6 | | | | | | |
| 02043+3924 | COU1365 | 2015.987 | 1 | 0.148 | 0.040 | 129.6* | 1.7 | | | | | | |
| 02048+3110 | COU454 | 2015.984 | 1 | 0.985 | 0.017 | 259.1* | 1.0 | | | | | | |
| 02048+3110 | COU454 | 2015.984 | 1 | 0.987 | 0.014 | 258.8* | 1.3 | 1.36 | | | | | |
| 02052-0058 | BU516 | 2015.853 | 1 | 0.683 | 0.012 | 316.7* | 0.7 | 0.59 | | | | | |
| 02052-0058 | BU516 | 2015.853 | 1 | 0.681 | 0.007 | 316.9* | 0.6 | | | | | | |
| 02062+2207 | COU149 | 2015.968 | 1 | 0.381 | 0.020 | 238.6* | 1.7 | | | | | | |
| 02062+2207 | COU149 | 2015.968 | 1 | 0.364 | 0.026 | 237.6* | 2.6 | 0.62 | | | | | |
| 02076+4103 | COU1666 | 2015.031 | 1 | 0.275 | 0.035 | 80.7 | 1.2 | | | | | | |
| 02076+4103 | COU1666 | 2015.031 | 1 | 0.270 | 0.030 | 80.1 | 2.0 | | | | | | |
| 02076+4103 | COU1666 | 2015.032 | 1 | 0.289 | 0.032 | 80.4 | 1.4 | | | | | | |
| 02076+4103 | COU1666 | 2015.032 | 1 | 0.263 | 0.007 | 81.3 | 0.9 | | | | | | |
| 02077+3418 | A2012 | 2015.984 | 1 | 0.599 | 0.007 | 337.9* | 0.6 | | | | | | |
| 02077+3418 | A2012 | 2015.984 | 1 | 0.590 | 0.010 | 338.5* | 0.5 | | | | | | |
| 02077+4658 | TDS2129 | 2015.015 | 1 | 1.736 | 0.010 | 4.9 | 1.3 | | | | | | |
| 02077+4658 | TDS2129 | 2015.015 | 1 | 1.734 | 0.009 | 4.7 | 0.3 | | | | | | |
| 02079+4659 | TDS69 | 2015.015 | 1 | 1.913 | 0.010 | 93.6 | 0.3 | | | | | | |
| 02079+4659 | TDS69 | 2015.015 | 1 | 1.919 | 0.013 | 94.2 | 0.5 | | | | | | |
| 02085+2227 | BRT2307 | 2015.995 | 1 | 3.016 | 0.022 | 246.4* | 0.4 | 0.85 | | | | | |
| 02085+2227 | BRT2307 | 2015.995 | 1 | 2.990 | 0.015 | 246.6* | 0.3 | | | | | | |
| 02089+3841 | ES1953 | 2015.987 | 1 | 2.951 | 0.054 | 276.7* | 1.2 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 02089+3841 | ES1953 | 2015.987 | 1 | 2.951 | 0.015 | 277.0* | 0.3 | 0.23 | | | | | |
| 02090+3540 | COU1067 | 2015.015 | 1 | 0.120 | 0.071 | 37.8 | 7.2 | | | BAE2021 | -0.06 | -1.2 | 4 |
| 02090+3540 | COU1067 | 2015.550 | 1 | 0.189 | 0.075 | 39.4 | 8.6 | | | BAE2021 | 0.01 | -0.1 | 4 |
| 02103+3509 | COU1068 | 2015.020 | 1 | 1.174 | 0.007 | 65.7 | 0.3 | | | | | | |
| 02103+3509 | COU1068 | 2015.020 | 1 | 1.173 | 0.035 | 65.7 | 1.0 | | | | | | |
| 02105+3953 | VKI8 | 2015.015 | 1 | 1.931 | 0.013 | 73.5 | 0.3 | | | | | | |
| 02105+3953 | VKI8 | 2015.015 | 1 | 1.923 | 0.018 | 73.8 | 0.4 | | | | | | |
| 02107+4426 | COU1667 | 2015.968 | 1 | — | — | — | — | | NR | | | | |
| 02108+3005 | COU456 | 2015.968 | 1 | 0.477 | 0.015 | 74.7* | 3.3 | | | | | | |
| 02108+3005 | COU456 | 2015.968 | 1 | 0.476 | 0.015 | 74.5* | 2.7 | | | | | | |
| 02113+3806 | ES229 | 2015.020 | 1 | 1.797 | 0.019 | 41.9 | 1.2 | | | | | | |
| 02113+3806 | ES229 | 2015.020 | 1 | 1.799 | 0.009 | 41.8 | 0.7 | | | | | | |
| 02118+2327 | POU162 | 2013.964 | 5 | 6.067 | 0.042 | 61.6 | 0.3 | 0.38 | | | | | |
| 02122+4034 | COU1366 | 2015.031 | 1 | 0.245 | 0.055 | 63.9 | 4.4 | | | | | | |
| 02129+2244 | COU150AB | 2015.968 | 1 | — | — | — | — | | NR | | | | |
| 02132+4030 | MET14Aa,Ab | 2015.015 | 1 | 0.145 | 0.056 | 32.9 | 2.4 | | | | | | |
| 02132+4030 | MET14Aa,Ab | 2015.550 | 1 | 0.265 | 0.072 | 22.1 | 5.6 | | | | | | |
| 02150+3742 | COU1368 | 2015.987 | 1 | 0.617 | 0.015 | 14.3* | 0.6 | | | | | | |
| 02150+3742 | COU1368 | 2015.987 | 1 | 0.618 | 0.013 | 14.3* | 0.4 | | | | | | |
| 02152+3326 | ES2330 | 2015.995 | 1 | 2.241 | 0.018 | 206.9* | 0.5 | 0.04 | | | | | |
| 02152+3326 | ES2330 | 2015.995 | 1 | 2.248 | 0.015 | 207.1* | 0.5 | | | | | | |
| 02157+2503 | COU79AB | 2015.015 | 1 | 0.176 | 0.032 | 37.4 | 6.5 | | | Mut2010e | -0.02 | -0.1 | 2 |
| 02157+2503 | COU79AB | 2015.550 | 1 | 0.211 | 0.030 | 34.7 | 4.6 | | | Mut2010e | 0.02 | -0.6 | 2 |
| 02160+4046 | COU1669 | 2015.984 | 1 | — | — | — | — | | NR | | | | |
| 02182+3920 | A207 | 2015.031 | 1 | 0.585 | 0.013 | 175.1 | 1.0 | | | Sca2020f | -0.02 | -2.0 ^Q | 5 |
| 02182+3920 | A207 | 2015.031 | 1 | 0.570 | 0.016 | 174.9 | 1.1 | | | Sca2020f | -0.03 | -2.2 ^Q | 5 |
| 02183+4120 | COU1670 | 2015.987 | 1 | 0.135 | 0.018 | 21.5 | 7.5 | | | | | | |
| 02193-0259 | JOY1Aa,Ab | 2015.853 | 1 | 0.378 | 0.007 | 94.0 | 1.2 | | | Sca2001f | -0.10 | -3.1 | 4 |
| 02196+3315 | HU808 | 2015.031 | 1 | 0.495 | 0.012 | 30.9 | 1.1 | | | | | | |
| 02196+3315 | HU808 | 2015.031 | 1 | 0.483 | 0.012 | 33.6 | 2.6 | | | | | | |
| 02202+2949 | A961 | 2015.984 | 1 | 0.328 | 0.015 | 270.1* | 1.2 | | | Nov2007b | 0.08 | 8.7 | 4 |
| 02202+2949 | A961 | 2015.984 | 1 | 0.334 | 0.007 | 267.2* | 0.8 | | | Nov2007b | 0.09 | 5.8 | 4 |
| 02209+1852 | COU356 | 2015.061 | 1 | 0.596 | 0.015 | 164.5 | 2.8 | | | | | | |
| 02209+1852 | COU356 | 2015.061 | 1 | 0.605 | 0.007 | 164.6 | 0.3 | | | | | | |
| 02210+4239 | A1701 | 2015.001 | 1 | 1.877 | 0.010 | 64.5 | 0.4 | | | | | | |
| 02210+4239 | A1701 | 2015.001 | 1 | 1.882 | 0.021 | 63.7 | 0.8 | | | | | | |
| 02211+4246 | STF248 | 2015.061 | 1 | 0.698 | 0.007 | 27.6 | 0.5 | | | Pbx2000b | 0.05 | 1.5 ^Q | 3 |
| 02211+4246 | STF248 | 2015.061 | 1 | 0.697 | 0.007 | 25.9 | 0.9 | | | Pbx2000b | 0.05 | 1.5 ^Q | 3 |
| 02212+2136 | HU425Aa,Ab | 2015.968 | 1 | 0.671 | 0.028 | 143.2* | 0.9 | | | | | | |
| 02212+2136 | HU425Aa,Ab | 2015.968 | 1 | 0.654 | 0.010 | 142.3* | 1.2 | 0.86 | | | | | |
| 02212+2751 | COU457 | 2015.020 | 1 | 0.535 | 0.032 | 162.7 | 1.2 | | | | | | |
| 02212+2751 | COU457 | 2015.020 | 1 | 0.553 | 0.018 | 162.7 | 2.2 | | | | | | |
| 02212+3653 | WNO7AB | 2015.015 | 1 | 1.238 | 0.017 | 159.3 | 1.5 | | | | | | |
| 02212+3653 | WNO7AB | 2015.015 | 1 | 1.219 | 0.013 | 159.8 | 0.5 | | | | | | |
| 02214+4459 | BRT328 | 2015.995 | 1 | 2.900 | 0.051 | 250.5* | 1.0 | | | | | | |
| 02214+4459 | BRT328 | 2015.995 | 1 | 2.866 | 0.052 | 249.1* | 0.9 | | | | | | |
| 02215+4714 | COU2160 | 2015.001 | 1 | 0.690 | 0.010 | 103.1 | 1.3 | | | | | | |
| 02215+4714 | COU2160 | 2015.001 | 1 | 0.697 | 0.010 | 104.6 | 1.0 | | | | | | |
| 02217+3441 | PTT4BC | 2015.001 | 1 | 1.821 | 0.038 | 148.6 | 0.5 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|--------|---------|--------------------------------------|--|-------|
| 02217+3441 | PTT4BC | 2015.001 | 1 | 1.825 | 0.022 | 148.7 | 0.3 | | | | | | |
| 02217+3923 | STF251 | 2015.987 | 1 | 2.238 | 0.011 | 85.5* | 0.3 | | | | | | |
| 02217+3923 | STF251 | 2015.987 | 1 | 2.246 | 0.011 | 85.7* | 0.3 | | | | | | |
| 02217+4537 | POP142Aa,Ab | 2015.880 | 1 | 3.817 | 0.019 | 284.4 | 0.3 | 3.57 | LY,NDg | | | | |
| 02218+3830 | STT40 | 2015.984 | 1 | 0.687 | 0.007 | 49.4* | 0.3 | | | | | | |
| 02218+3830 | STT40 | 2015.984 | 1 | 0.676 | 0.010 | 48.5* | 1.0 | | | | | | |
| 02222+3340 | COU754 | 2015.968 | 1 | 0.711 | 0.010 | 79.1* | 0.6 | 1.12 | | | | | |
| 02222+3340 | COU754 | 2015.968 | 1 | 0.706 | 0.015 | 78.9* | 0.8 | | | | | | |
| 02237+2433 | POU183 | 2014.013 | 2 | 7.126 | 0.072 | 176.1 | 0.3 | 0.79 | | | | | |
| 02237+2433 | POU183 | 2014.013 | 2 | 7.050 | 0.032 | 176.4 | 1.3 | 0.71 | | | | | |
| 02244+2358 | POU184 | 2013.964 | 5 | 5.093 | 0.042 | 243.1 | 0.3 | 0.08 | | | | | |
| 02254+2346 | POU185 | 2013.964 | 5 | 5.814 | 0.042 | 5.9 | 0.3 | 0.93 | | | | | |
| 02258+3917 | HDS317 | 2015.987 | 1 | 0.486 | 0.007 | 140.1* | 0.7 | | | | | | |
| 02258+3917 | HDS317 | 2015.987 | 1 | 0.508 | 0.013 | 140.8* | 1.2 | | | | | | |
| 02259+3913 | A1814 | 2015.020 | 1 | 0.620 | 0.021 | 35.3 | 1.7 | | | | | | |
| 02259+3913 | A1814 | 2015.020 | 1 | 0.618 | 0.007 | 34.6 | 0.7 | | | | | | |
| 02261+2437 | POU189 | 2013.964 | 5 | 8.699 | 0.042 | 7.1 | 0.3 | 1.73 | | | | | |
| 02262+2105 | COU258 | 2015.987 | 1 | 2.293 | 0.011 | 123.0* | 0.3 | 0.54 | | | | | |
| 02263+2441 | POU191 | 2013.964 | 5 | 5.647 | 0.042 | 246.4 | 0.3 | 1.02 | | | | | |
| 02267+3207 | A964Aa,Ab | 2015.987 | 1 | 0.264 | 0.024 | 78.4* | 1.2 | | | | | | |
| 02267+3207 | A964Aa,Ab | 2015.987 | 1 | 0.224 | 0.046 | 77.3* | 0.8 | | | | | | |
| 02270+1952 | A2328AB | 2015.001 | 1 | 0.384 | 0.007 | 78.3 | 0.5 | | | | | | |
| 02270+1952 | A2328AB | 2015.001 | 1 | 0.380 | 0.007 | 78.4 | 0.5 | | | | | | |
| 02270+4903 | COU2161 | 2015.061 | 1 | 0.348 | 0.027 | 170.6 | 2.0 | | | | | | |
| 02270+4903 | COU2161 | 2015.061 | 1 | 0.350 | 0.015 | 170.3 | 0.8 | | | | | | |
| 02272+4717 | COU2010 | 2015.020 | 1 | 0.472 | 0.007 | 30.1 | 1.5 | | | | | | |
| 02272+4717 | COU2010 | 2015.020 | 1 | 0.492 | 0.018 | 31.3 | 0.9 | | | | | | |
| 02276+2446 | POU194 | 2013.964 | 5 | 8.502 | 0.042 | 268.4 | 0.3 | 0.69 | | | | | |
| 02278+4433 | COU1674 | 2015.001 | 1 | 1.435 | 0.013 | 118.0 | 0.3 | | | | | | |
| 02278+4433 | COU1674 | 2015.001 | 1 | 1.435 | 0.018 | 118.0 | 0.3 | | | | | | |
| 02279+4129 | A658 | 2015.968 | 1 | 2.713 | 0.014 | 212.4* | 0.3 | | | | | | |
| 02279+4129 | A658 | 2015.968 | 1 | 2.706 | 0.014 | 212.6* | 0.3 | | | | | | |
| 02280+4129 | POP163 | 2015.121 | 1 | 3.321 | 0.017 | 56.8 | 0.3 | 2.78 | LY | | | | |
| 02280+5057 | HDS322 | 2015.550 | 1 | 0.373 | 0.013 | 148.3 | 1.2 | | | | | | |
| 02281+2426 | POU195 | 2014.013 | 2 | 4.422 | 0.022 | 250.9 | 0.3 | 0.60 | | | | | |
| 02282+4109 | A659 | 2015.001 | 1 | 0.570 | 0.007 | 94.2 | 0.4 | | | | | | |
| 02282+4109 | A659 | 2015.001 | 1 | 0.579 | 0.007 | 94.9 | 0.3 | | | | | | |
| 02285+1611 | HEI22 | 2015.995 | 1 | 2.819 | 0.032 | 52.1* | 1.2 | 1.51 | | | | | |
| 02285+1611 | HEI22 | 2015.995 | 1 | 2.801 | 0.018 | 52.3* | 0.3 | | | | | | |
| 02288+3215 | WOR2 | 2015.001 | 1 | 0.319 | 0.007 | 99.4 | 0.5 | | | Tam2005 | 0.04 | -5.1 ^Q | 3 |
| 02288+3215 | WOR2 | 2015.001 | 1 | 0.307 | 0.020 | 99.8 | 0.6 | | | Tam2005 | 0.02 | -4.7 ^Q | 3 |
| 02291+2331 | VBS6Ba,Bb | 2015.020 | 1 | 0.477 | 0.015 | 50.7 | 1.4 | | | | | | |
| 02291+2331 | VBS6Ba,Bb | 2015.020 | 1 | 0.477 | 0.007 | 48.8 | 0.6 | | | | | | |
| 02291+3720 | A1816AB | 2015.001 | 1 | 1.488 | 0.010 | 69.0 | 0.7 | | | | | | |
| 02291+3720 | A1816AB | 2015.001 | 1 | 1.482 | 0.007 | 69.2 | 0.3 | | | | | | |
| 02294+4000 | A1817 | 2015.984 | 1 | 2.675 | 0.013 | 229.1* | 0.3 | | | | | | |
| 02294+4000 | A1817 | 2015.984 | 1 | 2.674 | 0.025 | 229.3* | 0.3 | | | | | | |
| 02307+4441 | COU1675 | 2015.031 | 1 | 0.813 | 0.007 | 86.6 | 1.1 | | | | | | |
| 02307+4441 | COU1675 | 2015.031 | 1 | 0.791 | 0.007 | 88.0 | 0.4 | | | | | | |
| 02311+2344 | POU204 | 2013.994 | 5 | 8.188 | 0.042 | 133.8 | 0.3 | 4.68 | | | | | |
| 02313+4624 | COU1676 | 2015.550 | 1 | 0.835 | 0.007 | 52.5 | 0.6 | | | | | | |
| 02313+4624 | COU1676 | 2015.001 | 1 | 0.831 | 0.013 | 52.5 | 1.0 | | | | | | |
| 02313+4703 | A968 | 2015.031 | 1 | 1.738 | 0.009 | 27.3 | 0.3 | | | | | | |
| 02313+4703 | A968 | 2015.031 | 1 | 1.739 | 0.013 | 26.6 | 0.6 | | | | | | |
| 02314+4234 | A660 | 2015.001 | 1 | 0.528 | 0.007 | 131.7 | 0.5 | | | | | | |
| 02314+4234 | A660 | 2015.001 | 1 | 0.520 | 0.007 | 131.7 | 0.4 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 02323+2834 | A2020 | 2015.984 | 1 | 3.321 | 0.017 | 37.9* | 0.4 | | | | | | |
| 02323+2834 | A2020 | 2015.984 | 1 | 3.326 | 0.017 | 37.7* | 0.3 | | | | | | |
| 02323+3542 | A1927 | 2015.061 | 1 | 0.900 | 0.012 | 15.3 | 0.3 | | | | | | |
| 02323+3542 | A1927 | 2015.061 | 1 | 0.931 | 0.012 | 15.5 | 0.3 | 1.28 | | | | | |
| 02325+4700 | ES1216 | 2015.031 | 1 | 1.606 | 0.008 | 101.1 | 0.3 | | | | | | |
| 02325+4700 | ES1216 | 2015.031 | 1 | 1.619 | 0.024 | 101.4 | 0.5 | | | | | | |
| 02325+4701 | COU2012 | 2015.015 | 1 | 0.257 | 0.030 | 126.8 | 0.9 | | | | | | |
| 02325+4701 | COU2012 | 2015.550 | 1 | 0.265 | 0.032 | 129.8 | 1.4 | | | | | | |
| 02329+1502 | TOK12Aa,Ab | 2015.020 | 1 | 0.118 | 0.013 | 306.2 | 6.8 | | NDp | | | | |
| 02330+4251 | POP161 | 2015.015 | 1 | 3.086 | 0.018 | 265.1* | 0.3 | | | | | | |
| 02330+4251 | POP161 | 2015.015 | 1 | 3.087 | 0.026 | 264.8 | 0.3 | | | | | | |
| 02332+4018 | ES1611 | 2015.031 | 1 | 1.543 | 0.012 | 106.4* | 0.3 | | | | | | |
| 02332+4018 | ES1611 | 2015.031 | 1 | 1.539 | 0.010 | 106.4 | 0.3 | | | | | | |
| 02346+4050 | COU1370 | 2015.987 | 1 | 0.527 | 0.018 | 41.5* | 0.6 | | | | | | |
| 02346+4050 | COU1370 | 2015.987 | 1 | 0.530 | 0.007 | 39.4* | 1.0 | 1.43 | | | | | |
| 02355+2408 | POU209 | 2014.013 | 2 | 4.367 | 0.022 | 64.5 | 0.3 | 0.43 | | | | | |
| 02357+4411 | A1528 | 2015.015 | 1 | 1.550 | 0.023 | 12.6 | 0.3 | | | | | | |
| 02357+4411 | A1528 | 2015.015 | 1 | 1.548 | 0.008 | 12.9 | 0.3 | | | | | | |
| 02363+4012 | BAZ2 | 2015.550 | 1 | 0.266 | 0.037 | 59.1 | 2.2 | | | | | | |
| 02363+4012 | BAZ2 | 2015.020 | 1 | 0.287 | 0.020 | 60.7 | 1.0 | | | | | | |
| 02364+2422 | POU210 | 2014.013 | 2 | 6.612 | 0.033 | 8.6 | 0.3 | 1.23 | | | | | |
| 02367+2908 | COU460 | 2015.968 | 1 | — | — | — | — | | NR | | | | |
| 02369+3204 | LDS3404 | 2015.995 | 1 | 2.085 | 0.102 | 59.0* | 3.8 | | | | | | |
| 02369+3204 | LDS3404 | 2015.995 | 1 | 2.028 | 0.080 | 58.6* | 1.5 | | | | | | |
| 02370+4547 | ES1307 | 2015.031 | 1 | 1.768 | 0.015 | 12.8 | 0.3 | | | | | | |
| 02370+4547 | ES1307 | 2015.031 | 1 | 1.756 | 0.011 | 12.7 | 0.4 | | | | | | |
| 02372+3024 | COU671 | 2015.984 | 1 | 0.633 | 0.010 | 111.6* | 0.5 | | | | | | |
| 02372+3024 | COU671 | 2015.984 | 1 | 0.641 | 0.012 | 112.1* | 0.7 | | | | | | |
| 02373+1826 | COU461 | 2015.995 | 1 | 2.629 | 0.038 | 319.5* | 0.3 | | | | | | |
| 02373+1826 | COU461 | 2015.995 | 1 | 2.626 | 0.044 | 319.5* | 0.3 | 0.39 | | | | | |
| 02378+2419 | POU211 | 2013.964 | 1 | 4.630 | 0.042 | 34.9 | 0.3 | 1.10 | | | | | |
| 02379+2003 | A2219 | 2015.061 | 1 | 0.450 | 0.007 | 147.0 | 0.3 | 0.04 | | Msn2017a | -0.01 | 0.4 | 4 |
| 02379+2003 | A2219 | 2015.061 | 1 | 0.457 | 0.016 | 146.9 | 1.3 | 0.04 | | Msn2017a | 0.00 | 0.3 | 4 |
| 02388+3325 | STF285AB | 2015.984 | 1 | 1.719 | 0.009 | 162.6* | 0.3 | | | | | | |
| 02388+3325 | STF285AB | 2015.984 | 1 | 1.713 | 0.009 | 162.5* | 0.3 | | | | | | |
| 02388+3325 | STF285Aa,Ab | 2015.984 | 1 | 0.374 | 0.007 | 39.2 | 1.1 | | NDp | | | | |
| 02388+3325 | STF285Aa,Ab | 2015.984 | 1 | 0.391 | 0.015 | 33.5 | 3.4 | | NDp | | | | |
| 02390+3729 | J881AB | 2015.987 | 1 | 2.953 | 0.018 | 22.3* | 0.3 | | | | | | |
| 02390+3729 | J881AB | 2015.987 | 1 | 2.937 | 0.015 | 22.6* | 0.3 | 2.60 | | | | | |
| 02390+3729 | J881Aa,Ab | 2015.987 | 1 | 0.187 | 0.036 | 102.1 | 3.7 | | NDp | | | | |
| 02390+3729 | J881Aa,Ab | 2015.987 | 1 | 0.173 | 0.031 | 105.9 | 3.1 | | NDp | | | | |
| 02394+5007 | COU2162 | 2015.061 | 1 | 0.132 | 0.066 | 179.1 | 2.5 | | | | | | |
| 02394+5007 | COU2162 | 2015.550 | 1 | 0.223 | 0.048 | 178.1 | 2.1 | | | | | | |
| 02398+2522 | POU214 | 2014.013 | 2 | 7.972 | 0.040 | 236.2 | 0.3 | 0.28 | | | | | |
| 02400+3910 | A1819 | 2015.987 | 1 | 0.400 | 0.007 | 277.8* | 0.8 | | | | | | |
| 02400+3910 | A1819 | 2015.987 | 1 | 0.376 | 0.027 | 276.8* | 0.9 | 0.60 | | | | | |
| 02407+2637 | STT43 | 2015.020 | 1 | 0.634 | 0.007 | 338.7 | 0.4 | | | Sca2001d | 0.02 | 1.1 | 4 |
| 02407+2637 | STT43 | 2015.020 | 1 | 0.636 | 0.007 | 338.8 | 0.4 | | | Sca2001d | 0.02 | 1.2 | 4 |
| 02410+3905 | COU1371Aa,Ab | 2015.550 | 1 | 0.154 | 0.027 | 130.7 | 4.8 | | | | | | |
| 02412+1123 | AG48AB | 2015.984 | 1 | 3.395 | 0.017 | 216.9* | 0.3 | | | | | | |
| 02412+1123 | AG48AB | 2015.984 | 1 | 3.398 | 0.017 | 217.0* | 0.3 | 0.94 | | | | | |
| 02412+4734 | COU2260 | 2015.001 | 2 | 0.160 | 0.009 | 41.3 | 1.8 | | | | | | |
| 02412+4734 | COU2260 | 2015.001 | 2 | 0.160 | 0.010 | 36.0 | 3.2 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|---------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|-------|--------------------------|----------------------------|-------|
| 02420+4030 | COU1372 | 2015.995 | 1 | 0.523 | 0.047 | 239.1* | 1.4 | | | | | | |
| 02420+4030 | COU1372 | 2015.995 | 1 | 0.473 | 0.042 | 239.8* | 2.0 | | | | | | |
| 02422+4242 | STT44AB | 2015.001 | 1 | 1.387 | 0.007 | 55.9* | 0.5 | | | | | | |
| 02422+4242 | STT44AB | 2015.001 | 1 | 1.383 | 0.007 | 55.7 | 0.3 | | | | | | |
| 02426+4456 | COU1677 | 2015.001 | 1 | 1.460 | 0.025 | 130.6* | 0.9 | | | | | | |
| 02426+4456 | COU1677 | 2015.550 | 1 | 1.491 | 0.027 | 130.9 | 0.3 | | | | | | |
| 02429+1754 | COU23 | 2015.984 | 1 | 1.049 | 0.029 | 138.3* | 1.3 | | | | | | |
| 02429+1754 | COU23 | 2015.984 | 1 | 1.043 | 0.038 | 137.6* | 0.4 | | | | | | |
| 02436+1709 | BRT1171 | 2015.984 | 1 | 2.700 | 0.024 | 159.6* | 0.4 | 1.96 | | | | | |
| 02436+1709 | BRT1171 | 2015.984 | 1 | 2.700 | 0.014 | 159.2* | 0.5 | | | | | | |
| 02441+1658 | HEI97 | 2015.015 | 2 | 0.257 | 0.010 | 112.9 | 0.3 | | | | | | |
| 02441+1658 | HEI97 | 2015.015 | 2 | 0.258 | 0.007 | 112.6 | 0.9 | | | | | | |
| 02443+4106 | COU1373 | 2015.001 | 1 | 0.701 | 0.007 | 260.2 | 0.4 | | | | | | |
| 02443+4106 | COU1373 | 2015.001 | 1 | 0.700 | 0.007 | 260.3* | 0.5 | | | | | | |
| 02463+1958 | A2221 | 2015.984 | 1 | 0.431 | 0.007 | 49.6* | 0.5 | 0.50 | | | | | |
| 02463+1958 | A2221 | 2015.984 | 1 | 0.438 | 0.007 | 49.1* | 0.3 | | | | | | |
| 02464+4020 | COU1374 | 2015.001 | 1 | 1.655 | 0.013 | 130.4* | 0.3 | | | | | | |
| 02464+4020 | COU1374 | 2015.001 | 1 | 1.652 | 0.017 | 130.4 | 0.4 | | | | | | |
| 02465+4226 | ES1507 | 2015.995 | 1 | 2.834 | 0.026 | 317.3* | 0.3 | | | | | | |
| 02465+4226 | ES1507 | 2015.995 | 1 | 2.841 | 0.021 | 317.2* | 0.3 | 1.61 | | | | | |
| 02471+3927 | COU1221 | 2015.031 | 1 | 1.496 | 0.012 | 130.3* | 0.3 | | | | | | |
| 02471+3927 | COU1221 | 2015.031 | 1 | 1.503 | 0.008 | 130.5* | 0.3 | | | | | | |
| 02472+3634 | COU1072 | 2015.987 | 1 | 0.710 | 0.013 | 42.2* | 0.7 | | | | | | |
| 02472+3634 | COU1072 | 2015.987 | 1 | 0.715 | 0.007 | 41.3* | 0.5 | | | | | | |
| 02472+2422 | POU223 | 2013.964 | 5 | 8.379 | 0.042 | 29.4 | 0.3 | 0.27 | | | | | |
| 02478+3102 | COU550 | 2015.001 | 1 | 1.968 | 0.030 | 166.1 | 0.9 | | | | | | |
| 02478+3102 | COU550 | 2015.001 | 1 | 1.931 | 0.019 | 166.1 | 0.4 | | | | | | |
| 02478+5129 | COU2453 | 2015.015 | 1 | 0.382 | 0.009 | 191.1 | 0.3 | | | | | | |
| 02478+5129 | COU2453 | 2015.015 | 1 | 0.381 | 0.024 | 190.7* | 0.4 | | | | | | |
| 02479+5005 | HU205 | 2015.015 | 1 | 1.688 | 0.015 | 162.2 | 0.3 | | | | | | |
| 02479+5005 | HU205 | 2015.015 | 1 | 1.694 | 0.008 | 162.3* | 0.3 | | | | | | |
| 02480+4600 | COU1678 | 2015.020 | 1 | 0.936 | 0.010 | 57.9 | 1.0 | | | | | | |
| 02480+4600 | COU1678 | 2015.020 | 1 | 0.925 | 0.007 | 59.5 | 0.4 | | | | | | |
| 02483+3620 | HU604 | 2015.001 | 1 | 1.980 | 0.018 | 22.6 | 0.3 | | | | | | |
| 02483+3620 | HU604 | 2015.001 | 1 | 1.979 | 0.010 | 22.2 | 0.4 | | | | | | |
| 02490+3605 | COU864 | 2015.001 | 1 | 0.953 | 0.007 | 65.6 | 0.3 | | | | | | |
| 02490+3605 | COU864 | 2015.001 | 1 | 0.938 | 0.014 | 66.0 | 0.9 | | | | | | |
| 02490+4941 | COU2261 | 2015.031 | 1 | 0.154 | 0.031 | 33.8* | 4.4 | | | | | | |
| 02490+4941 | COU2261 | 2015.031 | 1 | 0.166 | 0.037 | 33.3 | 2.7 | | | | | | |
| 02492+3358 | BU523AB | 2015.020 | 1 | 2.025 | 0.014 | 205.6 | 0.3 | | | | | | |
| 02492+3358 | BU523AB | 2015.020 | 1 | 2.049 | 0.012 | 205.2 | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|---------|-------|--------------------------------------|--|-------|
| 02492+3358 | BU523AB | 2015.995 | 1 | 2.004 | 0.010 | 205.4* | 0.9 | | | | | | |
| 02492+3358 | BU523AB | 2015.995 | 1 | 2.001 | 0.010 | 205.1* | 0.3 | 1.22 | | | | | |
| 02492+4223 | COU1375 | 2015.015 | 1 | 1.079 | 0.007 | 72.0 | 0.3 | | | | | | |
| 02492+4223 | COU1375 | 2015.015 | 1 | 1.083 | 0.007 | 71.8 | 0.5 | | | | | | |
| 02496+3648 | A1822CE | 2015.020 | 1 | 2.001 | 0.026 | 310.4 | 0.6 | | | | | | |
| 02496+3648 | A1822CE | 2015.020 | 1 | 2.020 | 0.018 | 310.9 | 0.4 | | | | | | |
| 02496+3648 | A1822CE | 2015.968 | 1 | 1.999 | 0.016 | 310.6* | 0.3 | | | | | | |
| 02496+3648 | A1822CE | 2015.968 | 1 | 2.004 | 0.010 | 310.5* | 0.3 | | | | | | |
| 02503+3230 | COU675 | 2015.968 | 1 | 0.564 | 0.007 | 56.3* | 1.1 | 0.59 | | | | | |
| 02503+3230 | COU675 | 2015.968 | 1 | 0.571 | 0.011 | 55.9* | 0.8 | | | | | | |
| 02505+4044 | COU1376 | 2015.061 | 1 | 0.810 | 0.007 | 25.3 | 0.4 | | | | | | |
| 02505+4044 | COU1376 | 2015.061 | 1 | 0.810 | 0.020 | 25.0 | 0.7 | | | | | | |
| 02510+3510 | COU865 | 2015.968 | 1 | 0.155 | 0.023 | 124.3 | 5.8 | | | | | | |
| 02510+3510 | COU865 | 2015.968 | 2 | 0.144 | 0.029 | 123.4 | 5.1 | | | | | | |
| 02513+1515 | HEI99 | 2015.987 | 1 | 0.883 | 0.011 | 338.8* | 0.8 | | | | | | |
| 02513+1515 | HEI99 | 2015.987 | 1 | 0.870 | 0.020 | 338.2* | 0.6 | 0.25 | | | | | |
| 02524+2918 | COU554 | 2015.550 | 1 | 0.365 | 0.014 | 195.3* | 2.1 | | | | | | |
| 02524+2918 | COU554 | 2015.061 | 1 | 0.360 | 0.007 | 192.8 | 0.3 | | | | | | |
| 02524+3729 | MET17Aa,Ab | 2015.550 | 1 | 0.607 | 0.023 | 91.3 | 0.8 | | | | | | |
| 02524+3729 | MET17Aa,Ab | 2015.031 | 1 | 0.608 | 0.037 | 91.1* | 1.3 | | | | | | |
| 02530+5021 | COU2014 | 2015.015 | 1 | 0.669 | 0.007 | 213.0* | 0.5 | | | | | | |
| 02530+5021 | COU2014 | 2015.015 | 1 | 0.667 | 0.007 | 213.1 | 0.4 | | | | | | |
| 02537+3820 | BU524AB | 2015.550 | 1 | 0.225 | 0.038 | 110.2 | 6.7 | | | | | | |
| 02537+3820 | BU524AB | 2015.550 | 2 | 0.205 | 0.010 | 109.4 | 0.3 | | | | | | |
| 02538+3544 | COU866 | 2015.987 | 1 | 0.915 | 0.012 | 197.6* | 1.3 | | | | | | |
| 02538+3544 | COU866 | 2015.987 | 1 | 0.917 | 0.009 | 198.4* | 1.1 | | | | | | |
| 02540+4710 | BU1293 | 2015.020 | 1 | 2.086 | 0.010 | 170.8 | 0.3 | | | | | | |
| 02540+4710 | BU1293 | 2015.020 | 1 | 2.080 | 0.032 | 171.1 | 0.4 | | | | | | |
| 02542+2658 | A1929 | 2015.987 | 1 | 3.007 | 0.015 | 302.5* | 0.3 | | | | | | |
| 02542+2658 | A1929 | 2015.987 | 1 | 3.010 | 0.015 | 302.5* | 0.3 | 3.65 | | | | | |
| 02550+3644 | A1823 | 2015.987 | 1 | 2.932 | 0.015 | 162.9* | 0.3 | | | | | | |
| 02550+3644 | A1823 | 2015.987 | 1 | 2.939 | 0.015 | 162.7* | 0.3 | | | | | | |
| 02554+2005 | CVN5 | 2015.987 | 1 | 0.342 | 0.030 | 104.7* | 4.1 | | | | | | |
| 02554+2005 | CVN5 | 2015.987 | 1 | 0.363 | 0.035 | 100.9* | 5.0 | 0.44 | | | | | |
| 02557+3028 | COU555AB | 2015.968 | 1 | 1.742 | 0.011 | 277.8 | 0.3 | | | | | | |
| 02557+3028 | COU555AB | 2015.968 | 1 | 1.734 | 0.009 | 277.7 | 0.3 | | | | | | |
| 02557+3028 | GII2Ba,Bb | 2015.968 | 1 | 0.435 | 0.007 | 148.4* | 0.3 | 0.05 | | | | | |
| 02558+4636 | COU2015 | 2015.031 | 1 | 0.480 | 0.011 | 209.1* | 1.4 | | | | | | |
| 02558+4636 | COU2015 | 2015.031 | 1 | 0.468 | 0.007 | 209.5 | 1.0 | | | | | | |
| 02564+1616 | HEI25 | 2015.015 | 1 | 0.401 | 0.011 | 34.7 | 1.0 | | | | | | |
| 02564+1616 | HEI25 | 2015.015 | 1 | 0.394 | 0.016 | 34.6 | 1.4 | | | | | | |
| 02564+4126 | HDS377 | 2015.015 | 1 | 0.317 | 0.024 | 42.8 | 2.9 | | | | | | |
| 02564+4126 | HDS377 | 2015.015 | 1 | 0.308 | 0.027 | 45.4 | 2.6 | | | | | | |
| 02566+1607 | HEI26 | 2015.550 | 1 | 1.177 | 0.007 | 40.3 | 0.3 | | | | | | |
| 02566+1607 | HEI26 | 2015.020 | 1 | 1.170 | 0.046 | 40.4 | 2.0 | | | | | | |
| 02571+3910 | COU1378 | 2015.061 | 1 | 0.430 | 0.010 | 90.2 | 1.2 | | | | | | |
| 02571+3910 | COU1378 | 2015.061 | 1 | 0.441 | 0.010 | 88.8 | 1.1 | | | | | | |
| 02586+2408 | BU1173AB | 2015.987 | 1 | 0.230 | 0.034 | 106.7* | 1.6 | | Hrt2009 | | 0.04 | 0.4 | 4 |
| 02586+2408 | BU1173AB | 2015.987 | 1 | 0.231 | 0.032 | 108.0* | 2.2 | | Hrt2009 | | 0.04 | 0.4 | 4 |
| 02589+2137 | BU525 | 2015.031 | 1 | 0.549 | 0.007 | 92.9 | 0.5 | | Rbr2018 | | 0.01 | -1.2 ^Q | 4 |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 02589+2137 | BU525 | 2015.031 | 1 | 0.548 | 0.007 | 94.1 | 1.0 | | | Rbr2018 | 0.01 | -1.2^Q | 4 |
| 02599+2718 | HO13 | 2015.984 | 1 | 2.703 | 0.014 | 154.1* | 0.3 | | | | | | |
| 02599+2718 | HO13 | 2015.984 | 1 | 2.710 | 0.014 | 153.8* | 0.3 | | | | | | |
| 03005+3339 | KU11AB | 2015.984 | 1 | 2.970 | 0.015 | 62.2 | 0.3 | 0.78 | LY | | | | |
| 03005+3339 | KU11AB | 2015.984 | 1 | 2.984 | 0.038 | 62.3 | 0.3 | | | | | | |
| 03005+3339 | KU11AB | 2015.987 | 1 | 2.969 | 0.015 | 62.1* | 0.3 | | | | | | |
| 03005+3339 | KU11AB | 2015.987 | 1 | 2.972 | 0.015 | 62.2* | 0.3 | | | | | | |
| 03005+3339 | ORL3Aa,Ab | 2015.984 | 1 | 0.179 | 0.021 | 352.1 | 5.8 | | | | | | |
| 03005+3339 | ORL3Aa,Ab | 2015.984 | 1 | 0.169 | 0.018 | 352.7 | 6.0 | | | | | | |
| 03005+3339 | ORL3Aa,Ab | 2015.987 | 1 | 0.193 | 0.010 | 4.0* | 6.1 | | | | | | |
| 03005+3339 | ORL3Aa,Ab | 2015.987 | 1 | 0.162 | 0.034 | 1.7* | 4.5 | | | | | | |
| 03005+3934 | A1530 | 2015.550 | 1 | 0.291 | 0.025 | 80.8 | 0.9 | | | Hrt2011a | 0.07 | 3.1 | 4 |
| 03005+3934 | A1530 | 2015.031 | 1 | 0.278 | 0.007 | 80.5 | 1.0 | | | Hrt2011a | 0.05 | 3.4 | 4 |
| 03007+4650 | HDS383 | 2015.031 | 1 | 0.104 | 0.015 | 147.4 | 4.6 | | | | | | |
| 03007+4650 | HDS383 | 2015.031 | 1 | 0.108 | 0.018 | 145.2 | 1.5 | | | | | | |
| 03023+1820 | A2414 | 2015.968 | 1 | 0.534 | 0.007 | 71.6* | 0.5 | | | Hei1997 | 0.18 | -16.4 | 5 |
| 03023+1820 | A2414 | 2015.968 | 1 | 0.545 | 0.009 | 72.8* | 1.5 | | | Hei1997 | 0.19 | -15.2 | 5 |
| 03023+3837 | COU1380 | 2015.015 | 1 | 0.161 | 0.014 | 109.5 | 2.4 | | | | | | |
| 03023+3837 | COU1380 | 2015.015 | 1 | 0.112 | 0.010 | 108.0 | 1.9 | | | | | | |
| 03032+4121 | COU1381 | 2015.061 | 1 | 0.306 | 0.015 | 73.8 | 1.5 | | | | | | |
| 03032+4121 | COU1381 | 2015.061 | 1 | 0.310 | 0.007 | 73.8 | 1.4 | | | | | | |
| 03040+2831 | A1824AB | 2015.968 | 1 | 0.420 | 0.007 | 271.7* | 0.5 | | | | | | |
| 03040+2831 | A1824AB | 2015.968 | 1 | 0.428 | 0.011 | 269.4* | 1.2 | | | | | | |
| 03046+3238 | COU755 | 2015.984 | 1 | 0.552 | 0.011 | 85.6* | 1.8 | | | | | | |
| 03046+3238 | COU755 | 2015.984 | 1 | 0.562 | 0.012 | 85.8* | 2.1 | | | | | | |
| 03058+3202 | HDS393Aa,Ab | 2015.061 | 1 | 0.581 | 0.007 | 13.4 | 0.4 | | | | | | |
| 03058+3202 | HDS393Aa,Ab | 2015.061 | 1 | 0.573 | 0.007 | 11.6 | 0.3 | | | | | | |
| 03058+3202 | HDS393Aa,Ac | 2015.061 | 1 | 0.195 | 0.038 | 35.6 | 4.5 | | | NDp | | | |
| 03058+3202 | HDS393Aa,Ac | 2015.061 | 1 | 0.224 | 0.047 | 34.0 | 4.0 | | | NDp | | | |
| 03063+5113 | HEI311 | 2015.020 | 1 | 1.797 | 0.108 | 57.1 | 3.9 | | | | | | |
| 03074+4048 | ES1615 | 2015.031 | 1 | 1.846 | 0.009 | 32.3 | 0.3 | | | | | | |
| 03074+4048 | ES1615 | 2015.031 | 1 | 1.853 | 0.009 | 32.3 | 0.3 | | | | | | |
| 03098+5052 | COU2455 | 2015.031 | 1 | 0.332 | 0.007 | 100.0 | 1.2 | | | | | | |
| 03098+5052 | COU2455 | 2015.031 | 1 | 0.333 | 0.013 | 99.5 | 1.7 | | | | | | |
| 03114+1303 | CHR8 | 2015.987 | 1 | — | — | — | — | | | NR | | | |
| 03119+3605 | HO500AB | 2015.984 | 1 | 0.700 | 0.007 | 225.3* | 0.3 | | | | | | |
| 03119+3605 | HO500AB | 2015.984 | 1 | 0.695 | 0.014 | 225.6* | 1.8 | 0.26 | | | | | |
| 03130+4417 | STT51 | 2015.015 | 1 | 0.599 | 0.007 | 162.8 | 0.4 | | | Lin2012a | 0.02 | -3.2^Q | 5 |
| 03130+4417 | STT51 | 2015.015 | 1 | 0.609 | 0.018 | 163.7 | 1.3 | | | Lin2012a | 0.03 | -2.3^Q | 5 |
| 03136+3649 | ES2331 | 2015.031 | 1 | 1.795 | 0.018 | 130.0 | 0.3 | | | | | | |
| 03136+3649 | ES2331 | 2015.031 | 1 | 1.795 | 0.022 | 129.8 | 0.3 | | | | | | |
| 03138+3733 | COU1075Aa,Ab | 2015.984 | 1 | 0.865 | 0.007 | 41.5 | 0.3 | 1.71 | LY | | | | |
| 03138+3733 | COU1075Aa,Ab | 2015.984 | 1 | 0.857 | 0.007 | 42.6 | 1.1 | | | | | | |
| 03138+3733 | AG63AB | 2015.984 | 1 | 5.195 | 0.026 | 127.6 | 0.3 | | | | | | |
| 03138+3733 | AG63AB | 2015.984 | 1 | 5.204 | 0.026 | 127.5 | 0.3 | 0.75 | | | | | |
| 03141+5023 | HU543 | 2015.001 | 1 | 0.376 | 0.007 | 103.7 | 0.8 | | | | | | |
| 03141+5023 | HU543 | 2015.001 | 1 | 0.379 | 0.011 | 102.4 | 0.4 | | | | | | |
| 03143+1821 | COU359 | 2015.015 | 1 | 0.103 | 0.023 | 164.5 | 8.5 | | | | | | |
| 03143+1821 | COU359 | 2015.015 | 1 | 0.151 | 0.022 | 173.6 | 9.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|------------|----------|------|---------------|----------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------|-------------------------------------|-------|
| 03151+1618 | HU1055AB | 2015.015 | 1 | 0.534 | 0.017 | 118.0 | 1.0 | | | | | | |
| 03151+1618 | HU1055AB | 2015.015 | 1 | 0.516 | 0.007 | 118.5 | 0.7 | | | | | | |
| 03155+4029 | SKF266 | 2015.987 | 1 | 1.991 | 0.010 | 51.2* | 0.3 | 0.86 | | | | | |
| 03155+4029 | SKF266 | 2015.987 | 1 | 1.987 | 0.012 | 51.2* | 0.3 | | | | | | |
| 03159+3805 | WEY1 | 2015.987 | 1 | 0.943 | 0.007 | 259.1* | 1.0 | 0.72 | | | | | |
| 03159+3805 | WEY1 | 2015.987 | 1 | 0.960 | 0.018 | 258.5* | 0.5 | | | | | | |
| 03161+3654 | COU1076 | 2015.001 | 1 | 1.117 | 0.013 | 91.3 | 0.9 | | | | | | |
| 03161+3654 | COU1076 | 2015.001 | 1 | 1.120 | 0.013 | 90.5 | 1.2 | | | | | | |
| 03162+2815 | COU557 | 2015.001 | 1 | 0.801 | 0.046 | 177.3 | 1.5 | | | | | | |
| 03162+2815 | COU557 | 2015.001 | 1 | 0.867 | 0.032 | 175.0 | 1.0 | | | | | | |
| 03171+3648 | DAM33AB | 2015.001 | 2 | 1.704 | 0.017 | 60.0 | 0.8 | | | | | | |
| 03171+3648 | DAM33AB | 2015.001 | 2 | 1.720 | 0.017 | 59.9 | 1.3 | | | | | | |
| 03176+4241 | A1704BC | 2015.987 | 1 | 0.863 | 0.010 | 252.1* | 1.1 | | | | | | |
| 03176+4241 | A1704BC | 2015.987 | 1 | 0.859 | 0.007 | 250.6* | 0.9 | 0.76 | | | | | |
| 03177+3838 | STT53AB | 2015.015 | 1 | 0.593 | 0.007 | 54.6 | 0.3 | | | | | | |
| 03177+3838 | STT53AB | 2015.015 | 1 | 0.584 | 0.013 | 54.9 | 1.1 | | | | | | |
| 03194+4304 | ES1514AC | 2015.015 | 1 | 1.702 | 0.011 | 54.8 | 0.3 | | NDg | | | | |
| 03194+4304 | ES1514AC | 2015.015 | 1 | 1.671 | 0.027 | 54.0 | 0.8 | | NDg | | | | |
| 03194+4304 | ES1514AB | 2015.015 | 1 | 1.303 | 0.007 | 45.0 | 0.5 | | | | | | |
| 03194+4304 | ES1514AB | 2015.015 | 1 | 1.297 | 0.007 | 45.1 | 0.6 | | | | | | |
| 03194+4304 | ES1514AB | 2015.020 | 1 | 1.300 | 0.015 | 45.1 | 0.8 | | | | | | |
| 03194+4304 | GII90Ba,Bb | 2015.015 | 1 | 0.478 | 0.016 | 84.8 | 2.4 | | | | | | |
| 03194+4304 | GII90Ba,Bb | 2015.015 | 1 | 0.460 | 0.007 | 84.3 | 1.6 | | | | | | |
| 03194+5025 | COU2264 | 2015.015 | 1 | 1.280 | 0.007 | 92.4 | 0.3 | | | | | | |
| 03194+5025 | COU2264 | 2015.015 | 1 | 1.282 | 0.007 | 92.4* | 0.3 | | | | | | |
| 03201+4811 | COU2019 | 2015.031 | 1 | 0.181 | 0.032 | 261.2* | 3.0 | | | | | | |
| 03201+4811 | COU2019 | 2015.031 | 1 | 0.205 | 0.014 | 260.9 | 1.8 | | | | | | |
| 03213+1038 | HEI449 | 2015.987 | 1 | 0.298 | 0.007 | 57.0* | 1.4 | | | Tok2021c | 0.00 | 0.2 | 3 |
| 03213+1038 | HEI449 | 2015.987 | 1 | 0.318 | 0.012 | 57.1* | 1.4 | | | Tok2021c | 0.02 | 0.3 | 3 |
| 03213+4809 | COU2020 | 2015.031 | 1 | 0.481 | 0.009 | 30.1 | 0.3 | | | | | | |
| 03228+2045 | HDS423AF | 2015.987 | 1 | 4.798 | 0.024 | 47.2 | 0.3 | | | NDp | | | |
| 03228+2045 | HDS423AF | 2015.987 | 1 | 4.786 | 0.024 | 47.0 | 0.3 | | | NDp | | | |
| 03228+2045 | HDS423AE | 2015.987 | 1 | 4.341 | 0.022 | 86.3 | 0.3 | | | NDp | | | |
| 03228+2045 | HDS423AE | 2015.987 | 1 | 4.342 | 0.022 | 86.1 | 0.3 | | | NDp | | | |
| 03228+2045 | HDS423AD | 2015.987 | 1 | 2.179 | 0.011 | 86.0 | 0.3 | | | NDp | | | |
| 03228+2045 | HDS423AD | 2015.987 | 1 | 2.187 | 0.011 | 86.4 | 0.3 | | | NDp | | | |
| 03228+2045 | HDS423AC | 2015.987 | 1 | 2.033 | 0.011 | 97.2 | 0.3 | | | NDp | | | |
| 03228+2045 | HDS423AC | 2015.987 | 1 | 2.033 | 0.011 | 96.7 | 0.3 | | | NDp | | | |
| 03228+2045 | HDS423AB | 2015.987 | 1 | 0.353 | 0.007 | 307.4* | 4.2 | | | | | | |
| 03238+2605 | COU464 | 2015.015 | 1 | 0.407 | 0.018 | 110.1 | 1.5 | | | | | | |
| 03238+2605 | COU464 | 2015.015 | 1 | 0.408 | 0.017 | 109.2 | 1.3 | | | | | | |
| 03256+4531 | HO321 | 2015.015 | 1 | 1.670 | 0.008 | 32.9 | 0.3 | | | | | | |
| 03256+4531 | HO321 | 2015.015 | 1 | 1.668 | 0.008 | 32.6* | 0.3 | | | | | | |
| 03260+4536 | HO322AB | 2015.015 | 1 | 1.877 | 0.009 | 125.6 | 0.3 | | | | | | |
| 03260+4536 | HO322AB | 2015.015 | 1 | 1.878 | 0.010 | 125.7 | 0.3 | | | | | | |
| 03261+2015 | A2344AB | 2015.015 | 1 | 1.255 | 0.013 | 14.4 | 0.4 | | | | | | |
| 03261+2015 | A2344AB | 2015.015 | 1 | 1.249 | 0.007 | 14.2 | 0.3 | | | | | | |
| 03281+4117 | COU1515 | 2015.015 | 1 | 1.292 | 0.024 | 53.2 | 1.2 | | | | | | |
| 03281+4117 | COU1515 | 2015.015 | 1 | 1.308 | 0.009 | 53.6 | 0.3 | | | | | | |
| 03281+4452 | COU1861 | 2015.550 | 1 | 0.371 | 0.027 | 94.2* | 4.9 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 03310+2937 | A983 | 2015.015 | 1 | 0.536 | 0.007 | 142.8 | 0.9 | | | Doc2010d | 0.03 | -0.1 | 4 |
| 03310+2937 | A983 | 2015.015 | 1 | 0.545 | 0.013 | 143.6 | 1.1 | | | Doc2010d | 0.04 | 0.7 | 4 |
| 03331+5159 | HU101 | 2015.031 | 1 | 0.354 | 0.007 | 47.2* | 0.7 | | | | | | |
| 03331+5159 | HU101 | 2015.031 | 1 | 0.368 | 0.015 | 44.2 | 1.4 | | | | | | |
| 03342+7335 | SKF251Aa,Ab | 2015.281 | 1 | 1.703 | 0.021 | 101.7* | 0.3 | | NDg | | | | |
| 03342+7335 | SKF251Aa,Ab | 2015.281 | 1 | 1.683 | 0.021 | 101.7* | 0.5 | 0.73 | NDg | | | | |
| 03343+4416 | HDS453 | 2015.031 | 1 | 0.284 | 0.042 | 89.7* | 0.7 | | | | | | |
| 03343+4416 | HDS453 | 2015.031 | 1 | 0.311 | 0.015 | 89.6 | 0.3 | | | | | | |
| 03354+3529 | POP83 | 2015.031 | 1 | 0.681 | 0.008 | 87.3 | 0.6 | | | | | | |
| 03354+3529 | POP83 | 2015.031 | 1 | 0.683 | 0.009 | 86.8 | 0.5 | | | | | | |
| 03356+3141 | BU533AB | 2015.061 | 1 | 1.053 | 0.021 | 40.5 | 0.7 | | | | | | |
| 03356+3141 | BU533AB | 2015.061 | 1 | 1.065 | 0.012 | 41.1 | 0.4 | | | | | | |
| 03362+4220 | A1535AB | 2015.031 | 1 | 0.739 | 0.009 | 165.4 | 0.6 | | | Hrt2008 | 0.02 | 1.1 ^Q | 3 |
| 03362+4220 | A1535AB | 2015.031 | 1 | 0.734 | 0.007 | 165.4 | 0.3 | | | Hrt2008 | 0.01 | 1.1 ^Q | 3 |
| 03364+4518 | COU1862 | 2015.061 | 1 | 0.336 | 0.027 | 18.9 | 1.5 | | | | | | |
| 03364+4518 | COU1862 | 2015.550 | 1 | 0.338 | 0.009 | 18.4 | 1.8 | | | | | | |
| 03378+4046 | COU1517 | 2015.550 | 1 | 0.258 | 0.047 | 251.5 | 4.5 | | | | | | |
| 03378+4046 | COU1517 | 2015.061 | 1 | 0.144 | 0.065 | 253.7 | 4.1 | | | | | | |
| 03389+4243 | A1538 | 2015.061 | 1 | 0.581 | 0.007 | 81.8 | 0.7 | | | | | | |
| 03389+4243 | A1538 | 2015.061 | 1 | 0.584 | 0.008 | 81.6 | 0.9 | 0.25 | | | | | |
| 03412+1936 | A2421 | 2015.061 | 1 | 1.173 | 0.013 | 152.8 | 0.4 | | | | | | |
| 03412+1936 | A2421 | 2015.061 | 1 | 1.178 | 0.007 | 153.6 | 0.5 | 0.10 | | | | | |
| 03425+2946 | A987 | 2015.031 | 1 | 1.153 | 0.012 | 10.0 | 0.4 | | | | | | |
| 03425+2946 | A987 | 2015.031 | 1 | 1.155 | 0.013 | 8.7 | 1.1 | | | | | | |
| 03452+4444 | COU2023 | 2015.108 | 1 | 0.238 | 0.040 | 47.4* | 3.4 | | | | | | |
| 03452+4444 | COU2023 | 2015.108 | 1 | 0.155 | 0.081 | 50.3* | 5.1 | | | | | | |
| 03454+4952 | HU103AB | 2015.031 | 1 | 1.172 | 0.007 | 21.6 | 1.3 | | | | | | |
| 03454+4952 | HU103AB | 2015.031 | 1 | 1.183 | 0.007 | 22.7 | 0.5 | | | | | | |
| 03456+2420 | COU560Ba,Bb | 2015.031 | 1 | 0.156 | 0.048 | 355.2* | 1.6 | | | | | | |
| 03456+2420 | COU560Ba,Bb | 2015.031 | 1 | 0.151 | 0.045 | 356.0 | 3.3 | | | | | | |
| 03457+2454 | OCC9026 | 2015.031 | 1 | — | — | — | — | | NR | | | | |
| 03463+2411 | BU536AB | 2015.108 | 1 | 1.049 | 0.007 | 178.4 | 0.4 | | | | | | |
| 03463+2411 | BU536AB | 2015.108 | 1 | 1.050 | 0.007 | 179.0* | 0.3 | | | | | | |
| 03499+4024 | COU1390 | 2015.550 | 1 | 2.022 | 0.010 | 351.5* | 0.3 | | | | | | |
| 03510+3234 | HU814 | 2015.001 | 1 | 0.850 | 0.012 | 89.6 | 1.2 | | | | | | |
| 03510+3234 | HU814 | 2015.001 | 1 | 0.841 | 0.007 | 90.8 | 0.3 | | | | | | |
| 03517+2218 | COU263 | 2015.001 | 1 | 1.900 | 0.010 | 61.2 | 0.3 | | | | | | |
| 03517+2218 | COU263 | 2015.001 | 1 | 1.881 | 0.009 | 61.0 | 0.3 | | | | | | |
| 03545+4547 | A993 | 2015.001 | 1 | 1.100 | 0.007 | 57.7* | 0.4 | | | | | | |
| 03556+3939 | COU1391 | 2015.001 | 1 | 0.866 | 0.008 | 89.5 | 0.4 | | | | | | |
| 03557+4321 | ES1519 | 2015.061 | 1 | 1.203 | 0.008 | 74.0 | 0.3 | | | | | | |
| 03557+4321 | ES1519 | 2015.061 | 1 | 1.193 | 0.007 | 73.8 | 0.7 | | | | | | |
| 03573+5051 | COU2357Aa,Ab | 2015.108 | 1 | 0.452 | 0.007 | 225.3* | 1.1 | | NDg | | | | |
| 03573+5051 | COU2357Aa,Ab | 2015.108 | 1 | 0.458 | 0.007 | 225.5 | 0.4 | | NDg | | | | |
| 03586+4605 | COU1696 | 2015.015 | 1 | 0.905 | 0.007 | 140.6 | 0.3 | | | | | | |
| 03586+4605 | COU1696 | 2015.015 | 1 | 0.900 | 0.010 | 140.7 | 0.8 | | | | | | |
| 03598+2848 | A465 | 2015.061 | 1 | 1.996 | 0.024 | 21.7 | 0.7 | | | | | | |
| 03598+2848 | A465 | 2015.061 | 1 | 1.986 | 0.010 | 22.6 | 0.3 | | | | | | |
| 03598+5013 | J893 | 2015.015 | 1 | 1.073 | 0.009 | 51.7 | 1.4 | | | | | | |
| 03598+5013 | J893 | 2015.015 | 1 | 1.082 | 0.007 | 50.7 | 1.5 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 03599+4454 | A995 | 2015.061 | 1 | 2.957 | 0.015 | 275.2* | 0.3 | | | | | | |
| 03599+4454 | A995 | 2015.550 | 1 | 2.951 | 0.015 | 275.3 | 0.3 | | | | | | |
| 04010+3415 | ES237 | 2015.015 | 1 | 2.838 | 0.023 | 152.9 | 0.3 | | | | | | |
| 04010+3415 | ES237 | 2015.015 | 1 | 2.866 | 0.018 | 153.2 | 0.3 | | | | | | |
| 04027+4700 | A996 | 2015.015 | 1 | 1.484 | 0.027 | 93.5 | 0.7 | | | | | | |
| 04027+4700 | A996 | 2015.015 | 1 | 1.475 | 0.011 | 94.3 | 0.3 | | | | | | |
| 04034+3414 | COU878 | 2015.001 | 1 | 0.317 | 0.007 | 63.8 | 0.4 | | | | | | |
| 04034+3414 | COU878 | 2015.001 | 1 | 0.316 | 0.007 | 64.7 | 1.2 | | | | | | |
| 04038+2824 | COU701 | 2015.001 | 1 | 1.576 | 0.010 | 29.7 | 0.5 | | | | | | |
| 04038+2824 | COU701 | 2015.001 | 1 | 1.584 | 0.010 | 29.3 | 0.3 | | | | | | |
| 04041+3657 | COU1392 | 2015.113 | 1 | 0.892 | 0.017 | 148.1* | 0.6 | | | | | | |
| 04041+3657 | COU1392 | 2015.113 | 1 | 0.884 | 0.021 | 148.4* | 0.4 | | | | | | |
| 04041+3931 | STF483 | 2015.015 | 1 | 1.568 | 0.008 | 54.0 | 0.3 | | | USN2006b | 0.03 | 0.4 | 3 |
| 04041+3931 | STF483 | 2015.015 | 1 | 1.572 | 0.008 | 54.1 | 0.3 | | | USN2006b | 0.03 | 0.5 | 3 |
| 04057+2824 | BU1277AB | 2015.061 | 1 | 1.600 | 0.020 | 253.0 | 1.4 | | | | | | |
| 04057+2824 | BU1277AB | 2015.061 | 1 | 1.586 | 0.013 | 253.9 | 0.7 | | | | | | |
| 04061+2444 | POU391 | 2015.121 | 1 | 4.165 | 0.021 | 337.5 | 0.3 | 3.00 LY | | | | | |
| 04070+3934 | COU1394 | 2015.001 | 1 | 0.340 | 0.031 | 130.3 | 2.7 | | | Lin2023 | 0.00 | -1.2 | 5 |
| 04070+3934 | COU1394 | 2015.001 | 1 | 0.353 | 0.026 | 130.1 | 2.4 | | | Lin2023 | 0.01 | -1.4 | 5 |
| 04070+3934 | COU1394 | 2015.550 | 1 | 0.322 | 0.021 | 134.0 | 3.2 | | | Lin2023 | -0.02 | 2.2 | 5 |
| 04091+2839 | HO326 | 2015.061 | 1 | 0.387 | 0.007 | 114.5 | 0.3 | | | Hrt2008 | -0.01 | -2.5 ^Q | 3 |
| 04091+2839 | HO326 | 2015.061 | 1 | 0.386 | 0.024 | 114.5 | 1.1 | | | Hrt2008 | -0.01 | -2.5 ^Q | 3 |
| 04101+3639 | A1832 | 2015.015 | 1 | 0.823 | 0.015 | 169.3 | 0.5 | | | | | | |
| 04101+3639 | A1832 | 2015.015 | 1 | 0.821 | 0.008 | 169.9 | 0.3 | | | | | | |
| 04103+4008 | COU1521 | 2015.001 | 1 | 0.361 | 0.007 | 82.0 | 1.7 | | | | | | |
| 04103+4008 | COU1521 | 2015.001 | 1 | 0.358 | 0.007 | 81.0 | 1.5 | | | | | | |
| 04103+4008 | COU1521 | 2015.550 | 1 | 0.356 | 0.007 | 80.3 | 1.1 | | | | | | |
| 04117+3133 | COU880 | 2015.130 | 1 | 0.777 | 0.010 | 40.9* | 0.8 | | | | | | |
| 04117+3133 | COU880 | 2015.130 | 1 | 0.778 | 0.007 | 41.3* | 0.5 | | | | | | |
| 04132+2258 | HU302 | 2015.061 | 1 | 0.227 | 0.020 | 57.9 | 1.5 | | | Doc2010e | -0.01 | 0.3 | 4 |
| 04132+2258 | HU302 | 2015.061 | 1 | 0.246 | 0.027 | 58.1 | 0.7 | | | Doc2010e | 0.01 | 0.5 | 4 |
| 04140+4235 | A1711 | 2015.001 | 1 | 0.683 | 0.007 | 75.4* | 1.0 | | | | | | |
| 04140+4235 | A1711 | 2015.001 | 1 | 0.671 | 0.013 | 76.2 | 1.7 | | | | | | |
| 04159+3142 | STT77AB | 2015.113 | 1 | 0.508 | 0.014 | 300.6* | 1.1 | | | Sca2023a | 0.01 | 1.0 | |
| 04159+3142 | STT77AB | 2015.113 | 1 | 0.501 | 0.007 | 301.3* | 1.2 | | | Sca2023a | 0.00 | 1.7 | |
| 04164+3317 | HU816AB | 2015.130 | 1 | 0.195 | 0.031 | 114.7* | 1.2 | | | | | | |
| 04164+3317 | HU816AB | 2015.130 | 1 | 0.154 | 0.035 | 110.0* | 2.1 | | | | | | |
| 04180+4536 | A1000 | 2015.015 | 1 | 2.422 | 0.012 | 93.8 | 0.6 | | | | | | |
| 04180+4536 | A1000 | 2015.015 | 1 | 2.413 | 0.012 | 93.7 | 0.3 | | | | | | |
| 04182+2248 | STF520 | 2015.001 | 1 | 0.641 | 0.007 | 80.2 | 0.4 | | | Jte2018 | 0.00 | -0.6 | 3 |
| 04182+2248 | STF520 | 2015.001 | 1 | 0.653 | 0.013 | 80.5 | 1.1 | | | Jte2018 | 0.02 | -0.3 | 3 |
| 04182+2317 | PAT3 | 2015.550 | 1 | 1.281 | 0.025 | 140.9* | 1.2 | | | | | | |
| 04187+4426 | COU2027 | 2015.015 | 1 | 0.689 | 0.007 | 90.7 | 1.0 | | | | | | |
| 04187+4426 | COU2027 | 2015.015 | 1 | 0.691 | 0.007 | 91.3 | 0.3 | | | | | | |
| 04190+2118 | BU1234 | 2015.130 | 1 | 1.889 | 0.015 | 207.4 | 0.4 | | | | | | |
| 04190+2118 | BU1234 | 2015.130 | 1 | 1.898 | 0.033 | 206.9* | 0.9 | | | | | | |
| 04198+3140 | COU881 | 2015.113 | 1 | 0.904 | 0.007 | 30.0* | 0.5 | | | | | | |
| 04198+3140 | COU881 | 2015.113 | 1 | 0.933 | 0.013 | 30.4* | 0.4 | | | | | | |
| 04202+3628 | HU1078 | 2015.015 | 1 | 0.424 | 0.009 | 109.1 | 0.7 | | | | | | |
| 04202+3628 | HU1078 | 2015.015 | 1 | 0.421 | 0.007 | 109.5 | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 04206+2429 | COU704AB | 2015.015 | 1 | 1.887 | 0.009 | 82.9 | 0.3 | | | | | | |
| 04206+2429 | COU704AB | 2015.015 | 1 | 1.889 | 0.009 | 83.1* | 0.3 | | | | | | |
| 04218+4338 | COU2030 | 2015.015 | 1 | 0.667 | 0.013 | 140.8 | 1.2 | | | | | | |
| 04218+4338 | COU2030 | 2015.015 | 1 | 0.663 | 0.010 | 139.6 | 1.0 | | | | | | |
| 04236+4226 | STT80 | 2015.113 | 1 | 0.303 | 0.010 | 137.2 | 2.5 | | | Zir2014a | 0.03 | -2.4 | 4 |
| 04236+4226 | STT80 | 2015.113 | 1 | 0.317 | 0.032 | 138.7 | 1.9 | | | Zir2014a | 0.05 | -0.9 | 4 |
| 04236+4749 | COU2168 | 2015.015 | 1 | 0.973 | 0.015 | 23.1 | 1.0 | | | | | | |
| 04236+4749 | COU2168 | 2015.015 | 1 | 0.980 | 0.013 | 23.1 | 0.6 | | | | | | |
| 04244+3326 | COU882 | 2015.015 | 1 | 1.711 | 0.009 | 168.6 | 0.3 | | | | | | |
| 04244+3326 | COU882 | 2015.015 | 1 | 1.715 | 0.017 | 168.7 | 0.3 | | | | | | |
| 04275+3538 | COU1228 | 2015.015 | 1 | 1.650 | 0.011 | 186.4 | 0.3 | | | | | | |
| 04275+3538 | COU1228 | 2015.015 | 1 | 1.653 | 0.008 | 186.3 | 0.3 | | | | | | |
| 04284+3826 | A1837 | 2015.108 | 1 | 1.499 | 0.024 | 131.6* | 0.9 | | | | | | |
| 04284+3826 | A1837 | 2015.108 | 1 | 1.494 | 0.012 | 132.3* | 0.4 | | | | | | |
| 04289+4103 | A1712 | 2015.113 | 1 | 0.410 | 0.011 | 36.1 | 0.6 | | | | | | |
| 04289+4103 | A1712 | 2015.113 | 1 | 0.393 | 0.007 | 35.8* | 0.8 | | | | | | |
| 04307+3041 | KU18 | 2015.108 | 1 | 1.393 | 0.009 | 65.5* | 0.5 | | | | | | |
| 04307+3041 | KU18 | 2015.108 | 1 | 1.388 | 0.013 | 65.5* | 0.5 | | | | | | |
| 04315+2230 | COU266 | 2015.113 | 1 | 2.411 | 0.017 | 63.9* | 0.3 | | | | | | |
| 04315+2231 | COU265 | 2015.001 | 1 | 0.521 | 0.010 | 59.9 | 1.1 | | | | | | |
| 04315+2231 | COU265 | 2015.001 | 1 | 0.550 | 0.007 | 59.9 | 0.3 | | | | | | |
| 04315+2231 | COU265 | 2015.113 | 1 | 0.553 | 0.013 | 59.2* | 1.3 | | | | | | |
| 04315+2231 | COU265 | 2015.113 | 1 | 0.557 | 0.011 | 60.5* | 1.1 | | | | | | |
| 04315+2231 | COU265 | 2015.001 | 1 | 0.560 | 0.011 | 62.9 | 3.6 | | | | | | |
| 04316+3739 | BU789 | 2015.031 | 1 | 0.894 | 0.007 | 322.6* | 0.3 | | | | | | |
| 04316+3739 | BU789 | 2015.031 | 1 | 0.901 | 0.007 | 322.6 | 0.3 | | | | | | |
| 04324+3849 | A1839 | 2015.031 | 1 | 0.776 | 0.008 | 93.5 | 0.4 | | | | | | |
| 04324+3849 | A1839 | 2015.031 | 1 | 0.776 | 0.007 | 93.2 | 0.6 | | | | | | |
| 04327+3934 | COU1523 | 2015.015 | 1 | 1.416 | 0.009 | 133.4* | 0.3 | | | | | | |
| 04327+3934 | COU1523 | 2015.015 | 1 | 1.417 | 0.007 | 133.3 | 0.3 | | | | | | |
| 04344+4241 | A1714 | 2015.130 | 1 | 0.355 | 0.027 | 252.1* | 1.3 | | | | | | |
| 04344+4241 | A1714 | 2015.130 | 1 | 0.379 | 0.027 | 252.0* | 0.9 | | | | | | |
| 04349+3908 | HU1082 | 2015.031 | 1 | 0.288 | 0.014 | 174.6 | 2.8 | | | Doc2020f | 0.01 | 0.6 | 3 |
| 04349+3908 | HU1082 | 2015.031 | 1 | 0.311 | 0.013 | 173.0* | 0.8 | | | Doc2020f | 0.03 | -1.0 | 3 |
| 04357+3944 | HU1084 | 2015.031 | 1 | 0.324 | 0.007 | 70.1 | 0.3 | | | Lin2012a | 0.04 | -1.7 | 5 |
| 04357+3944 | HU1084 | 2015.031 | 1 | 0.302 | 0.007 | 70.2 | 0.6 | | | Lin2012a | 0.02 | -1.6 | 5 |
| 04369+2103 | HU305AB | 2015.108 | 1 | 1.754 | 0.013 | 268.4* | 0.4 | | | | | | |
| 04369+2103 | HU305AB | 2015.108 | 1 | 1.784 | 0.010 | 267.4* | 0.6 | | | | | | |
| 04381+4207 | STF565AB | 2015.130 | 1 | 1.353 | 0.007 | 167.1* | 0.3 | | | | | | |
| 04381+4207 | STF565AB | 2015.130 | 1 | 1.346 | 0.007 | 167.3* | 0.4 | | | | | | |
| 04382+2023 | KOH18 | 2015.130 | 1 | 0.336 | 0.045 | 176.8 | 1.8 | | | | | | |
| 04382+2023 | KOH18 | 2015.130 | 1 | 0.310 | 0.066 | 173.6 | 5.5 | | | | | | |
| 04395+3408 | COU1085 | 2015.001 | 1 | 0.525 | 0.011 | 72.6 | 0.4 | | | Cou1999b | 0.14 | 0.8 ^Q | 5 |
| 04395+3408 | COU1085 | 2015.001 | 1 | 0.542 | 0.007 | 72.8 | 1.1 | | | Cou1999b | 0.16 | 1.0 ^Q | 5 |
| 04396+2045 | HU441 | 2015.015 | 1 | 1.697 | 0.010 | 47.6 | 0.3 | | | | | | |
| 04396+2045 | HU441 | 2015.015 | 1 | 1.699 | 0.012 | 47.6 | 0.4 | | | | | | |
| 04400+2301 | HU442 | 2015.135 | 1 | 0.173 | 0.029 | 121.8* | 2.4 | | | Hrt2009 | -0.06 | -4.2 ^Q | 4 |
| 04400+2301 | HU442 | 2015.135 | 1 | 0.162 | 0.024 | 125.6* | 1.9 | | | Hrt2009 | -0.07 | -0.4 ^Q | 4 |
| 04402+2749 | COU705 | 2015.001 | 1 | 1.624 | 0.034 | 109.1 | 0.6 | | | | | | |
| 04402+2749 | COU705 | 2015.001 | 1 | 1.629 | 0.022 | 109.2* | 0.5 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|-----------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 04410+4302 | COU1708AB | 2015.015 | 1 | 0.540 | 0.008 | 146.1 | 0.8 | | | | | | |
| 04410+4302 | COU1708AB | 2015.108 | 1 | 0.523 | 0.014 | 146.0* | 0.8 | | | | | | |
| 04410+4302 | COU1708AB | 2015.113 | 1 | 0.540 | 0.007 | 146.1* | 0.4 | | | | | | |
| 04411+2451 | LEI23 | 2015.135 | 1 | 0.362 | 0.007 | 199.4* | 3.1 | | | | | | |
| 04411+2451 | LEI23 | 2015.135 | 1 | 0.366 | 0.007 | 198.4* | 1.9 | | | | | | |
| 04444+5112 | COU2361 | 2015.015 | 1 | 1.155 | 0.021 | 29.8 | 0.3 | | | | | | |
| 04444+5112 | COU2361 | 2015.015 | 1 | 1.173 | 0.007 | 29.7 | 0.4 | | | | | | |
| 04463+4453 | HDS615 | 2015.015 | 1 | 0.951 | 0.013 | 32.3 | 0.8 | | | | | | |
| 04463+4453 | HDS615 | 2015.015 | 1 | 0.953 | 0.009 | 31.7 | 0.8 | | | | | | |
| 04463+4957 | HDS614 | 2015.550 | 1 | 0.483 | 0.016 | 308.7* | 1.2 | | | | | | |
| 04464+4221 | COU2031 | 2015.113 | 1 | 0.151 | 0.019 | 142.6 | 5.6 | | | Doc2014i | 0.01 | 1.2 | 2 |
| 04464+4221 | COU2031 | 2015.113 | 1 | 0.120 | 0.015 | 138.4 | 5.7 | | | Doc2014i | -0.02 | -3.0 | 2 |
| 04469+4708 | COU2032 | 2015.108 | 1 | 0.980 | 0.007 | 240.2* | 0.8 | | | | | | |
| 04469+4708 | COU2032 | 2015.108 | 1 | 0.986 | 0.009 | 240.2* | 0.4 | | | | | | |
| 04473+4613 | TDS2964 | 2015.135 | 1 | — | — | — | — | | | NR | | | |
| 04475+4324 | A1544AB,C | 2015.130 | 1 | 1.410 | 0.007 | 19.6* | 0.3 | | | | | | |
| 04475+4324 | A1544AB,C | 2015.135 | 1 | 1.410 | 0.007 | 20.1* | 0.3 | | | | | | |
| 04475+4324 | A1544AB,C | 2015.135 | 1 | 1.411 | 0.014 | 20.3* | 0.7 | | | | | | |
| 04475+4324 | A1544AB | 2015.130 | 1 | 0.209 | 0.013 | 182.8* | 2.4 | | | Doc2010f | 0.04 | 10.1 | 3 |
| 04475+4324 | A1544AB | 2015.135 | 1 | 0.176 | 0.017 | 185.0* | 2.7 | | | Doc2010f | 0.01 | 12.3 | 3 |
| 04480+4339 | COU2033 | 2015.130 | 1 | 0.206 | 0.034 | 307.2 | 1.3 | | | | | | |
| 04480+4339 | COU2033 | 2015.130 | 1 | 0.201 | 0.053 | 306.4* | 1.8 | | | | | | |
| 04492+4239 | COU2034 | 2015.001 | 1 | 0.825 | 0.025 | 155.7* | 0.7 | | | | | | |
| 04492+4239 | COU2034 | 2015.001 | 1 | 0.825 | 0.022 | 155.1 | 0.6 | | | | | | |
| 04495+4116 | COU1709 | 2015.113 | 1 | 0.556 | 0.007 | 306.7* | 0.6 | | | | | | |
| 04495+4116 | COU1709 | 2015.113 | 1 | 0.558 | 0.007 | 306.6* | 0.4 | | | | | | |
| 04502+4353 | COU1710 | 2015.001 | 1 | 0.559 | 0.014 | 235.3* | 1.3 | | | | | | |
| 04502+4353 | COU1710 | 2015.001 | 1 | 0.572 | 0.007 | 235.5 | 1.4 | | | | | | |
| 04509+4821 | COU2575 | 2015.108 | 1 | 1.303 | 0.021 | 255.3* | 0.9 | | | | | | |
| 04509+4821 | COU2575 | 2015.108 | 1 | 1.320 | 0.017 | 255.3* | 0.7 | | | | | | |
| 04511+4817 | COU2576 | 2015.108 | 1 | — | — | — | — | | | NR | | | |
| 04517+4200 | A1547 | 2015.113 | 1 | 0.282 | 0.015 | 16.2* | 1.1 | | | | | | |
| 04517+4200 | A1547 | 2015.113 | 1 | 0.268 | 0.007 | 15.8* | 1.5 | | | | | | |
| 04518+1758 | KOH28 | 2015.135 | 1 | 0.368 | 0.007 | 30.7 | 1.8 | | | | | | |
| 04518+1758 | KOH28 | 2015.135 | 1 | 0.399 | 0.020 | 28.6 | 1.6 | | | | | | |
| 04522+4300 | COU1712 | 2015.130 | 1 | 1.681 | 0.017 | 283.5* | 0.3 | | | | | | |
| 04522+4300 | COU1712 | 2015.130 | 1 | 1.671 | 0.013 | 283.9* | 0.8 | | | | | | |
| 04538+4405 | A1548 | 2015.001 | 1 | 1.901 | 0.021 | 144.1 | 0.8 | | | | | | |
| 04538+4405 | A1548 | 2015.001 | 1 | 1.883 | 0.046 | 144.7 | 0.4 | | | | | | |
| 04540+4443 | COU2268 | 2015.001 | 1 | 0.376 | 0.010 | 30.6 | 1.7 | | | | | | |
| 04540+4443 | COU2268 | 2015.002 | 1 | 0.382 | 0.011 | 28.2 | 1.4 | | | | | | |
| 04557+4124 | COU1714 | 2015.002 | 1 | 0.581 | 0.012 | 131.3 | 0.9 | | | | | | |
| 04557+4124 | COU1714 | 2015.002 | 1 | 0.583 | 0.015 | 131.7 | 1.0 | | | | | | |
| 04557+4124 | COU1714 | 2015.550 | 1 | 0.574 | 0.027 | 132.4 | 1.0 | | | | | | |
| 04559+4432 | A1302 | 2015.113 | 1 | 0.554 | 0.007 | 6.5 | 0.5 | | | | | | |
| 04559+4432 | A1302 | 2015.113 | 1 | 0.556 | 0.007 | 6.3* | 0.7 | | | | | | |
| 04559+4502 | HDS636 | 2015.135 | 1 | 0.232 | 0.053 | 114.6 | 4.5 | | | | | | |
| 04559+4502 | HDS636 | 2015.135 | 1 | 0.252 | 0.030 | 116.9 | 4.1 | | | | | | |
| 04564+4130 | A1549 | 2015.113 | 1 | 0.880 | 0.008 | 206.5 | 0.3 | | | | | | |
| 04564+4130 | A1549 | 2015.113 | 1 | 0.885 | 0.008 | 206.4* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 04565+4311 | A1550 | 2015.130 | 1 | 0.644 | 0.013 | 147.7* | 0.7 | | | | | | |
| 04565+4311 | A1550 | 2015.130 | 1 | 0.669 | 0.013 | 146.8* | 0.9 | | | | | | |
| 04566+4206 | COU1715 | 2015.015 | 1 | 1.028 | 0.007 | 88.0 | 0.4 | | | | | | |
| 04566+4206 | COU1715 | 2015.015 | 1 | 1.023 | 0.007 | 88.0* | 0.4 | | | | | | |
| 04582+4003 | COU1525AB | 2015.015 | 1 | 1.814 | 0.009 | 293.1* | 0.3 | | | | | | |
| 04582+4003 | COU1525AB | 2015.015 | 1 | 1.813 | 0.009 | 293.1 | 0.3 | | | | | | |
| 04582+4403 | COU2171 | 2015.002 | 1 | 0.914 | 0.090 | 182.6 | 4.4 | | | | | | |
| 04582+4403 | COU2171 | 2015.550 | 1 | 0.892 | 0.007 | 180.3 | 0.8 | | | | | | |
| 04593+4222 | TDS3027 | 2015.135 | 1 | — | — | — | — | | NR | | | | |
| 04599+4319 | A1551AB | 2015.135 | 1 | 0.135 | 0.060 | 103.4 | 3.1 | | | | | | |
| 04599+4319 | A1551AB | 2015.135 | 1 | 0.166 | 0.007 | 100.4 | 2.0 | | | | | | |
| 05004+4158 | COU1866 | 2015.002 | 1 | 0.430 | 0.008 | 64.8 | 2.0 | | | | | | |
| 05004+4158 | COU1866 | 2015.002 | 1 | 0.427 | 0.007 | 64.2 | 2.3 | | | | | | |
| 05013+4717 | COU2461 | 2015.015 | 1 | 1.488 | 0.008 | 7.7 | 0.5 | | | | | | |
| 05013+4717 | COU2461 | 2015.015 | 1 | 1.499 | 0.016 | 7.6 | 0.6 | | | | | | |
| 05018+4112 | A1552 | 2015.130 | 1 | 0.589 | 0.007 | 221.8* | 0.5 | | | | | | |
| 05018+4112 | A1552 | 2015.130 | 1 | 0.599 | 0.007 | 221.3* | 1.6 | | | | | | |
| 05027+3507 | J240 | 2015.130 | 1 | 1.340 | 0.010 | 210.9* | 0.6 | | | | | | |
| 05027+3507 | J240 | 2015.130 | 1 | 1.334 | 0.007 | 210.2* | 0.4 | | | | | | |
| 05030+1931 | A2428AB,C | 2015.135 | 1 | 3.301 | 0.027 | 293.3* | 0.3 | | | | | | |
| 05030+1931 | A2428AB,C | 2015.135 | 1 | 3.288 | 0.016 | 293.6* | 0.3 | | | | | | |
| 05049+5154 | HU820 | 2015.108 | 1 | 1.363 | 0.016 | 220.1* | 0.5 | | | | | | |
| 05049+5154 | HU820 | 2015.108 | 1 | 1.365 | 0.007 | 219.8* | 0.3 | | | | | | |
| 05053+4303 | COU2462 | 2015.015 | 1 | 1.459 | 0.012 | 74.1 | 0.6 | | | | | | |
| 05053+4303 | COU2462 | 2015.015 | 1 | 1.469 | 0.007 | 73.7 | 0.3 | | | | | | |
| 05055+1948 | STT95 | 2015.130 | 1 | 0.937 | 0.007 | 295.9* | 0.4 | | | Izm2019 | 0.01 | 0.5 | 4 |
| 05055+1948 | STT95 | 2015.130 | 1 | 0.943 | 0.009 | 296.2* | 0.3 | | | Izm2019 | 0.02 | 0.8 | 4 |
| 05057+4516 | COU2463 | 2015.015 | 1 | 0.489 | 0.008 | 39.3 | 0.7 | | | | | | |
| 05057+4516 | COU2463 | 2015.015 | 1 | 0.497 | 0.007 | 39.0 | 0.4 | | | | | | |
| 05060+3556 | HDS664 | 2015.113 | 1 | 0.308 | 0.015 | 59.9* | 0.7 | | | Cve2017b | 0.02 | 3.1 | 5 |
| 05060+3556 | HDS664 | 2015.113 | 1 | 0.326 | 0.041 | 57.1* | 1.5 | | | Cve2017b | 0.03 | 0.3 | 5 |
| 05061+4222 | COU2464 | 2015.015 | 1 | 0.604 | 0.007 | 180.2 | 0.6 | | | | | | |
| 05061+4222 | COU2464 | 2015.015 | 1 | 0.591 | 0.007 | 181.2 | 0.4 | | | | | | |
| 05063+3739 | COU1528 | 2015.108 | 1 | 0.596 | 0.011 | 69.3* | 1.3 | | | | | | |
| 05063+3739 | COU1528 | 2015.108 | 1 | 0.598 | 0.013 | 68.7 | 1.0 | | | | | | |
| 05064+4146 | COU2036 | 2015.015 | 1 | 1.613 | 0.008 | 11.4 | 0.6 | | | | | | |
| 05064+4146 | COU2036 | 2015.015 | 1 | 1.609 | 0.011 | 11.8 | 0.3 | | | | | | |
| 05065+4347 | COU2465 | 2015.015 | 1 | 0.487 | 0.007 | 227.7* | 1.4 | | | | | | |
| 05065+4347 | COU2465 | 2015.015 | 1 | 0.483 | 0.007 | 226.7 | 0.8 | | | | | | |
| 05069+4415 | COU2466 | 2015.015 | 1 | 0.899 | 0.007 | 136.6 | 0.3 | | | | | | |
| 05069+4415 | COU2466 | 2015.015 | 1 | 0.897 | 0.007 | 136.8 | 0.3 | | | | | | |
| 05078+3723 | COU1529 | 2015.108 | 1 | 0.500 | 0.007 | 357.3* | 0.3 | | | | | | |
| 05078+3723 | COU1529 | 2015.108 | 1 | 0.497 | 0.019 | 357.4 | 1.2 | | | | | | |
| 05081+3701 | COU1530 | 2015.032 | 1 | 1.835 | 0.018 | 315.9* | 0.3 | | | | | | |
| 05081+3701 | COU1530 | 2015.032 | 1 | 1.848 | 0.022 | 315.9 | 0.3 | | | | | | |
| 05083+4254 | HDS675 | 2015.130 | 1 | 0.425 | 0.075 | 183.9 | 2.5 | | | | | | |
| 05083+4254 | HDS675 | 2015.130 | 1 | 0.333 | 0.064 | 184.0 | 4.8 | | | | | | |
| 05085+3755 | COU1531 | 2015.032 | 1 | 0.355 | 0.036 | 38.8 | 2.0 | | | | | | |
| 05085+3755 | COU1531 | 2015.032 | 1 | 0.297 | 0.037 | 37.2 | 1.2 | | | | | | |
| 05097+3741 | COU1532 | 2015.015 | 1 | 1.173 | 0.007 | 128.3 | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|-------|-------------------------------|-------------------------------------|-------|
| 05097+3741 | COU1532 | 2015.015 | 1 | 1.179 | 0.007 | 128.4 | 0.3 | | | | | | |
| 05106+4924 | HDS684 | 2015.113 | 1 | 0.530 | 0.009 | 54.1* | 0.3 | | | | | | |
| 05106+4924 | HDS684 | 2015.113 | 1 | 0.545 | 0.007 | 54.2* | 0.3 | | | | | | |
| 05113+3833 | COU1867 | 2015.032 | 1 | 1.469 | 0.016 | 98.1 | 0.6 | | | | | | |
| 05113+3833 | COU1867 | 2015.032 | 1 | 1.458 | 0.018 | 98.4 | 0.7 | | | | | | |
| 05119+3544 | COU1401Aa,Ab | 2015.130 | 1 | 0.289 | 0.011 | 47.3 | 1.1 | | | | | | |
| 05119+3544 | COU1401Aa,Ab | 2015.130 | 1 | 0.277 | 0.019 | 46.4* | 3.1 | | | | | | |
| 05122+4535 | COU2467 | 2015.032 | 1 | 0.105 | 0.012 | 145.1 | 2.2 | | | | | | |
| 05122+4535 | COU2467 | 2015.032 | 1 | 0.127 | 0.018 | 147.4 | 4.3 | | | | | | |
| 05129+4136 | A1554 | 2015.032 | 1 | 0.242 | 0.032 | 161.8 | 4.8 | | | | | | |
| 05129+4136 | A1554 | 2015.032 | 1 | 0.199 | 0.013 | 164.1 | 1.4 | | | | | | |
| 05135+3539 | HDS691 | 2015.130 | 1 | 0.683 | 0.013 | 12.2* | 0.7 | | | | | | |
| 05135+3539 | HDS691 | 2015.130 | 1 | 0.693 | 0.012 | 13.1 | 1.4 | | | | | | |
| 05140+3655 | POP140 | 2015.032 | 1 | 0.321 | 0.007 | 168.7 | 1.0 | | | | | | |
| 05140+3655 | POP140 | 2015.032 | 1 | 0.286 | 0.013 | 167.4 | 1.4 | | | | | | |
| 05140+3655 | POP140 | 2015.550 | 1 | 0.337 | 0.023 | 170.2 | 1.4 | | | | | | |
| 05150+4229 | A1555 | 2015.113 | 1 | 1.046 | 0.020 | 4.1* | 0.8 | | | | | | |
| 05150+4229 | A1555 | 2015.113 | 1 | 1.042 | 0.010 | 4.0* | 0.6 | | | | | | |
| 05153+4355 | COU2364 | 2015.113 | 1 | 0.710 | 0.027 | 164.1* | 1.5 | | | | | | |
| 05153+4355 | COU2364 | 2015.113 | 1 | 0.695 | 0.009 | 163.5* | 0.3 | | | | | | |
| 05155+2217 | COU158 | 2015.130 | 1 | 1.993 | 0.010 | 350.2* | 0.3 | | | | | | |
| 05155+2217 | COU158 | 2015.130 | 1 | 1.999 | 0.010 | 350.0* | 0.3 | | | | | | |
| 05172+3246 | COU1088 | 2015.113 | 1 | 1.619 | 0.008 | 225.9* | 0.3 | | | | | | |
| 05172+3246 | COU1088 | 2015.113 | 1 | 1.618 | 0.008 | 225.9* | 0.3 | | | | | | |
| 05172+3928 | HU1101 | 2015.130 | 1 | 0.411 | 0.007 | 300.8* | 0.9 | | | | | | |
| 05172+3928 | HU1101 | 2015.130 | 1 | 0.410 | 0.007 | 299.1* | 0.7 | | | | | | |
| 05173+3302 | COU1089 | 2015.032 | 1 | 0.940 | 0.008 | 78.4 | 0.3 | | | | | | |
| 05173+3302 | COU1089 | 2015.032 | 1 | 0.942 | 0.010 | 78.2 | 0.4 | | | | | | |
| 05195+4103 | A1557 | 2015.130 | 1 | 1.483 | 0.020 | 167.2 | 0.6 | | | | | | |
| 05195+4103 | A1557 | 2015.130 | 1 | 1.486 | 0.013 | 166.8 | 0.5 | | | | | | |
| 05196+4420 | COU2469 | 2015.113 | 1 | 1.059 | 0.010 | 257.1* | 0.7 | | | | | | |
| 05196+4420 | COU2469 | 2015.113 | 1 | 1.052 | 0.007 | 257.3* | 0.5 | | | | | | |
| 05204+3534 | COU1534 | 2015.113 | 1 | 1.363 | 0.007 | 306.6* | 0.3 | | | | | | |
| 05204+3534 | COU1534 | 2015.113 | 1 | 1.359 | 0.007 | 306.8* | 0.3 | | | | | | |
| 05205+4251 | A1558 | 2015.114 | 1 | — | — | — | — | | NR | | | | |
| 05213+3529 | COU1535 | 2015.113 | 1 | 0.393 | 0.007 | 289.1* | 0.7 | | | | | | |
| 05213+3529 | COU1535 | 2015.113 | 1 | 0.394 | 0.007 | 289.1* | 0.3 | | | | | | |
| 05214+1549 | HDS703 | 2015.135 | 1 | 0.153 | 0.017 | 156.8 | 7.7 | | | | | | |
| 05223+3348 | BU886CD | 2015.135 | 1 | 0.933 | 0.013 | 253.8* | 0.6 | | | | | | |
| 05223+3348 | BU886CD | 2015.135 | 1 | 0.950 | 0.007 | 253.6* | 0.3 | | | | | | |
| 05228+3325 | BU887AB | 2015.135 | 1 | 1.087 | 0.007 | 195.5* | 1.1 | | | | | | |
| 05228+3325 | BU887AB | 2015.135 | 1 | 1.097 | 0.008 | 195.5* | 0.8 | | | | | | |
| 05232+4008 | COU2039 | 2015.032 | 1 | 0.939 | 0.012 | 60.1 | 0.3 | | | | | | |
| 05232+4008 | COU2039 | 2015.032 | 1 | 0.976 | 0.011 | 59.3 | 0.5 | | | | | | |
| 05236+5039 | COU2582 | 2015.135 | 1 | 0.371 | 0.007 | 21.3* | 1.0 | | | | | | |
| 05236+5039 | COU2582 | 2015.135 | 1 | 0.368 | 0.007 | 20.6* | 1.7 | | | | | | |
| 05244+4157 | COU2269 | 2015.114 | 1 | 1.866 | 0.015 | 104.3* | 0.3 | | | | | | |
| 05244+4157 | COU2269 | 2015.114 | 1 | 1.883 | 0.009 | 103.7* | 0.3 | | | | | | |
| 05244+4237 | A1719CD | 2015.135 | 1 | 0.797 | 0.062 | 87.2* | 0.3 | | | | | | |
| 05244+4237 | A1719CD | 2015.135 | 1 | 0.820 | 0.007 | 88.1* | 1.1 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|---------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 05253+3010 | A1032 | 2015.135 | 1 | 1.406 | 0.020 | 279.3* | 0.7 | | | | | | |
| 05253+3010 | A1032 | 2015.135 | 1 | 1.410 | 0.015 | 279.1* | 0.3 | | | | | | |
| 05258+4138 | COU2270 | 2015.114 | 1 | 1.305 | 0.007 | 254.5* | 0.3 | | | | | | |
| 05258+4138 | COU2270 | 2015.114 | 1 | 1.302 | 0.024 | 254.0* | 1.0 | | | | | | |
| 05269+3706 | COU1725 | 2015.114 | 1 | 0.189 | 0.007 | 76.6* | 1.2 | | | | | | |
| 05269+3706 | COU1725 | 2015.114 | 1 | 0.139 | 0.016 | 82.1* | 4.5 | | | | | | |
| 05295+4807 | COU2583 | 2015.130 | 1 | 0.953 | 0.010 | 60.2* | 1.0 | | | | | | |
| 05295+4807 | COU2583 | 2015.130 | 1 | 0.947 | 0.010 | 61.3* | 0.4 | | | | | | |
| 05308+3842 | COU2041 | 2015.032 | 1 | 0.170 | 0.096 | 97.3 | 5.2 | | | | | | |
| 05308+3842 | COU2041 | 2015.032 | 1 | 0.137 | 0.028 | 95.0 | 3.4 | | | | | | |
| 05311+4255 | A1721 | 2015.032 | 1 | 0.170 | 0.007 | 109.9 | 5.6 | | | | | | |
| 05311+4255 | A1721 | 2015.032 | 1 | 0.176 | 0.011 | 109.8 | 2.6 | | | | | | |
| 05317+3225 | J899 | 2015.135 | 1 | 1.779 | 0.026 | 334.4* | 0.3 | | | | | | |
| 05317+3225 | J899 | 2015.135 | 1 | 1.763 | 0.027 | 334.6* | 0.7 | | | | | | |
| 05323+4225 | A1722 | 2015.135 | 1 | 1.441 | 0.013 | 33.4* | 0.3 | | | | | | |
| 05323+4225 | A1722 | 2015.135 | 1 | 1.442 | 0.010 | 33.5* | 0.8 | | | | | | |
| 05337+4103 | COU2272 | 2015.135 | 1 | 0.829 | 0.021 | 169.9* | 0.5 | | | | | | |
| 05337+4103 | COU2272 | 2015.135 | 1 | 0.835 | 0.007 | 169.5* | 1.0 | | | | | | |
| 05342+4042 | A1723 | 2015.135 | 1 | 0.383 | 0.022 | 124.2* | 1.4 | | | | | | |
| 05342+4042 | A1723 | 2015.135 | 1 | 0.396 | 0.028 | 123.7* | 0.7 | | | | | | |
| 05349+3100 | COU1092 | 2015.550 | 1 | 0.247 | 0.027 | 84.7 | 4.4 | | | | | | |
| 05349+3100 | COU1092 | 2015.032 | 1 | 0.221 | 0.027 | 87.7 | 4.8 | | | | | | |
| 05349+5025 | COU2585 | 2015.114 | 1 | 0.653 | 0.011 | 124.6* | 0.4 | | | | | | |
| 05349+5025 | COU2585 | 2015.114 | 1 | 0.687 | 0.017 | 125.0* | 0.4 | | | | | | |
| 05359+3901 | COU2043 | 2015.114 | 1 | 1.815 | 0.009 | 154.0* | 0.3 | | | | | | |
| 05359+3901 | COU2043 | 2015.114 | 1 | 1.799 | 0.014 | 153.7* | 0.4 | | | | | | |
| 05364+3942 | COU2044 | 2015.114 | 1 | 0.565 | 0.007 | 195.3* | 0.9 | | | | | | |
| 05364+3942 | COU2044 | 2015.114 | 1 | 0.572 | 0.010 | 195.2* | 1.0 | | | | | | |
| 05392+3914 | COU2178 | 2015.114 | 1 | 1.731 | 0.009 | 314.7* | 0.3 | | | | | | |
| 05392+3914 | COU2178 | 2015.114 | 1 | 1.731 | 0.009 | 314.9* | 0.3 | | | | | | |
| 05394+4343 | A1564 | 2015.168 | 1 | 0.210 | 0.045 | 157.3 | 4.3 | | | USN2006a | 0.02 | -8.0 | 4 |
| 05394+4343 | A1564 | 2015.168 | 1 | 0.275 | 0.047 | 161.9 | 4.2 | | | USN2006a | 0.09 | -3.4 | 4 |
| 05409+2905 | COU894 | 2015.168 | 1 | 0.661 | 0.011 | 98.0* | 0.8 | | | | | | |
| 05409+2905 | COU894 | 2015.168 | 1 | 0.661 | 0.010 | 98.1* | 0.9 | | | | | | |
| 05410+3903 | COU2179 | 2015.114 | 1 | 1.461 | 0.007 | 72.6 | 0.3 | | | | | | |
| 05410+3903 | COU2179 | 2015.114 | 1 | 1.470 | 0.007 | 72.5 | 0.3 | | | | | | |
| 05416+1913 | STF770 | 2015.135 | 1 | 1.078 | 0.007 | 330.6* | 0.3 | | | | | | |
| 05416+1913 | STF770 | 2015.135 | 1 | 1.069 | 0.035 | 330.8* | 0.3 | | | | | | |
| 05428+4710 | COU2590 | 2015.114 | 1 | 0.813 | 0.010 | 199.9* | 0.5 | | | | | | |
| 05428+4710 | COU2590 | 2015.114 | 1 | 0.802 | 0.016 | 199.4* | 1.1 | | | | | | |
| 05439+2937 | COU895 | 2015.135 | 1 | 0.141 | 0.016 | 226.3 | 8.7 | | | | | | |
| 05439+2937 | COU895 | 2015.135 | 1 | 0.106 | 0.007 | 230.3 | 8.0 | | | | | | |
| 05441+3614 | COU1728 | 2015.114 | 1 | 1.459 | 0.016 | 316.2* | 0.6 | | | | | | |
| 05441+3614 | COU1728 | 2015.114 | 1 | 1.467 | 0.007 | 315.9* | 0.3 | | | | | | |
| 05447+3118 | A1040 | 2015.168 | 1 | 0.886 | 0.010 | 85.8* | 1.1 | | | Izm2019 | 0.04 | -0.4 | 5 |
| 05447+3118 | A1040 | 2015.168 | 1 | 0.874 | 0.007 | 85.9* | 0.7 | | | Izm2019 | 0.02 | -0.3 | 5 |
| 05448+3859 | COU2045 | 2015.114 | 1 | 0.613 | 0.007 | 198.6* | 0.6 | | | | | | |
| 05448+3859 | COU2045 | 2015.114 | 1 | 0.600 | 0.007 | 197.3* | 0.3 | | | | | | |
| 05453+3344 | HO510 | 2015.168 | 1 | 1.663 | 0.016 | 245.2* | 0.5 | | | | | | |
| 05453+3344 | HO510 | 2015.168 | 1 | 1.683 | 0.017 | 245.4* | 0.7 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|---------------|----------------------|--------------------------|---------------------------------|------------|-------|---------|--------------------------|-------------------------------------|-------|
| 05456+3632 | COU1729 | 2015.114 | 1 | 0.910 | 0.007 | 224.6* | 0.3 | | | | | | |
| 05456+3632 | COU1729 | 2015.114 | 1 | 0.912 | 0.007 | 224.6* | 0.6 | | | | | | |
| 05458+5143 | COU2591AC | 2015.135 | 1 | 3.541 | 0.037 | 193.1* | 0.3 | | NDp | | | | |
| 05458+5143 | COU2591AC | 2015.135 | 1 | 3.591 | 0.035 | 192.4* | 0.3 | | NDp | | | | |
| 05458+5143 | COU2591AB | 2015.135 | 1 | 0.570 | 0.052 | 262.1* | 1.1 | | | | | | |
| 05458+5143 | COU2591AB | 2015.135 | 1 | 0.613 | 0.011 | 262.8* | 0.7 | | | | | | |
| 05459+3558 | HU1232 | 2015.168 | 1 | 0.557 | 0.015 | 86.0* | 0.6 | | | | | | |
| 05459+3558 | HU1232 | 2015.168 | 1 | 0.566 | 0.015 | 86.2* | 1.1 | | | | | | |
| 05460+3959 | COU2047 | 2015.135 | 1 | 0.545 | 0.011 | 276.6* | 0.7 | | | | | | |
| 05460+3959 | COU2047 | 2015.135 | 1 | 0.549 | 0.007 | 277.2* | 0.7 | | | | | | |
| 05468+3606 | COU1730 | 2015.168 | 1 | 1.830 | 0.023 | 171.5* | 0.5 | | | | | | |
| 05468+3606 | COU1730 | 2015.168 | 1 | 1.792 | 0.017 | 171.5* | 0.4 | | | | | | |
| 05522+3834 | STF799 | 2015.108 | 1 | 0.763 | 0.010 | 342.0* | 0.8 | | | | | | |
| 05522+3834 | STF799 | 2015.108 | 1 | 0.766 | 0.007 | 340.9* | 0.3 | | | | | | |
| 05535+3720 | BU1053 | 2015.108 | 1 | 1.928 | 0.013 | 179.9 | 0.3 | | | Izm2019 | 0.07 | 0.3 ^Q | 5 |
| 05535+3720 | BU1053 | 2015.108 | 1 | 1.897 | 0.009 | 180.0 | 0.3 | | | Izm2019 | 0.04 | 0.4 ^Q | 5 |
| 05542+2631 | COU901 | 2015.108 | 1 | 0.894 | 0.011 | 203.4* | 0.4 | | | | | | |
| 05542+2631 | COU901 | 2015.108 | 1 | 0.902 | 0.007 | 203.7* | 0.5 | | | | | | |
| 05549+3836 | COU2181 | 2015.108 | 1 | 1.001 | 0.010 | 329.7* | 0.9 | | | | | | |
| 05549+3836 | COU2181 | 2015.108 | 1 | 0.996 | 0.015 | 330.6* | 0.6 | | | | | | |
| 05563+2005 | COU375AB | 2015.135 | 1 | 1.159 | 0.018 | 126.2* | 0.4 | | | | | | |
| 05563+2005 | COU375AB | 2015.135 | 1 | 1.156 | 0.018 | 126.2* | 0.5 | | | | | | |
| 05563+2005 | COU375Aa,Ab | 2015.135 | 1 | 0.146 | 0.031 | 160.0 | 5.7 | | NDg | | | | |
| 05563+2005 | COU375Aa,Ab | 2015.135 | 1 | 0.108 | 0.039 | 146.1 | 5.6 | | NDg | | | | |
| 05578+3445 | COU1234 | 2015.135 | 1 | 1.583 | 0.008 | 42.1* | 0.3 | | | | | | |
| 05578+3445 | COU1234 | 2015.135 | 1 | 1.596 | 0.008 | 42.1* | 0.8 | | | | | | |
| 05585+4301 | COU2370 | 2015.135 | 1 | 0.572 | 0.014 | 112.5* | 0.8 | | | | | | |
| 05585+4301 | COU2370 | 2015.135 | 1 | 0.565 | 0.007 | 112.2* | 0.5 | | | | | | |
| 06003+4436 | BU1055AB | 2015.130 | 1 | 2.290 | 0.011 | 331.3* | 0.3 | | | | | | |
| 06003+4436 | BU1055AB | 2015.130 | 1 | 2.309 | 0.015 | 331.2* | 0.6 | | | | | | |
| 06011+4609 | COU2473 | 2015.130 | 1 | 0.888 | 0.008 | 270.3* | 0.8 | | | | | | |
| 06011+4609 | COU2473 | 2015.130 | 1 | 0.886 | 0.007 | 270.5* | 0.7 | | | | | | |
| 06012+3516 | HO511AD | 2015.130 | 1 | 4.793 | 0.221 | 167.3 | 0.6 | | NDp | | | | |
| 06012+3516 | HO511AD | 2015.130 | 1 | 4.572 | 0.082 | 166.8 | 0.5 | | NDp | | | | |
| 06012+3516 | HO511AC | 2015.130 | 1 | 4.013 | 0.027 | 174.1* | 0.4 | | | | | | |
| 06012+3516 | HO511AC | 2015.130 | 1 | 3.928 | 0.033 | 173.5 | 0.3 | | | | | | |
| 06012+3516 | HU826AB | 2015.130 | 1 | 0.842 | 0.066 | 310.6* | 1.8 | | | | | | |
| 06012+3516 | HU826AB | 2015.130 | 1 | 0.849 | 0.024 | 312.5 | 1.7 | | | | | | |
| 06012+3516 | HO511AC | 2015.130 | 1 | 3.996 | 0.020 | 173.8* | 0.3 | | | | | | |
| 06013+4221 | COU2371 | 2015.130 | 1 | 1.123 | 0.016 | 131.3* | 0.3 | | | | | | |
| 06013+4221 | COU2371 | 2015.130 | 1 | 1.140 | 0.017 | 130.8* | 0.3 | | | | | | |
| 06016+4111 | COU2049 | 2015.130 | 1 | 1.370 | 0.007 | 233.0* | 0.4 | | | | | | |
| 06016+4111 | COU2049 | 2015.130 | 1 | 1.371 | 0.015 | 233.2* | 0.5 | | | | | | |
| 06019+2712 | COU911AB | 2015.130 | 1 | 1.717 | 0.125 | 64.3 | 3.4 | | | | | | |
| 06019+2712 | COU911AB | 2015.130 | 1 | 1.803 | 0.237 | 60.9 | 3.8 | | | | | | |
| 06028+3907 | COU2050 | 2015.182 | 1 | 1.228 | 0.019 | 343.6* | 0.7 | | | | | | |
| 06028+3907 | COU2050 | 2015.182 | 1 | 1.230 | 0.011 | 344.9* | 1.4 | | | | | | |
| 06037+2621 | COU912 | 2015.182 | 1 | 1.765 | 0.012 | 73.0* | 0.7 | | | | | | |
| 06037+2621 | COU912 | 2015.182 | 1 | 1.762 | 0.010 | 73.5* | 0.3 | | | | | | |
| 06043+2210 | COU161AB | 2015.182 | 1 | 1.787 | 0.025 | 286.6* | 0.5 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 06043+2210 | COU161AB | 2015.182 | 1 | 1.784 | 0.029 | 286.4* | 0.5 | | | | | | |
| 06078+4240 | STT130 | 2015.108 | 1 | 0.432 | 0.007 | 203.1* | 0.4 | | | | | | |
| 06078+4240 | STT130 | 2015.108 | 1 | 0.487 | 0.056 | 203.7* | 2.7 | | | | | | |
| 06097+2307 | BU1241AB | 2015.108 | 1 | 0.604 | 0.010 | 347.1* | 1.2 | | | | | | |
| 06097+2307 | BU1241AB | 2015.108 | 1 | 0.596 | 0.018 | 348.5 | 0.6 | | | | | | |
| 06097+3212 | COU1237 | 2015.108 | 1 | 0.554 | 0.030 | 289.5 | 1.7 | | | | | | |
| 06097+3212 | COU1237 | 2015.108 | 1 | 0.583 | 0.007 | 288.4* | 0.3 | | | | | | |
| 06100+3745 | COU1734 | 2015.182 | 1 | 0.456 | 0.010 | 250.8* | 2.2 | | | | | | |
| 06100+3745 | COU1734 | 2015.182 | 1 | 0.429 | 0.025 | 251.4* | 2.7 | | | | | | |
| 06117+3832 | A2113 | 2015.130 | 1 | 1.261 | 0.011 | 321.2* | 0.6 | | | | | | |
| 06117+3832 | A2113 | 2015.130 | 1 | 1.267 | 0.007 | 319.9* | 0.3 | | | | | | |
| 06126+4733 | COU2476 | 2015.182 | 1 | 0.656 | 0.018 | 100.3* | 1.6 | | | | | | |
| 06126+4733 | COU2476 | 2015.182 | 1 | 0.662 | 0.019 | 99.5* | 0.9 | | | | | | |
| 06139+4128 | COU2185 | 2015.130 | 1 | 1.479 | 0.014 | 32.8 | 0.3 | | | | | | |
| 06139+4128 | COU2185 | 2015.130 | 1 | 1.463 | 0.007 | 32.9 | 0.4 | | | | | | |
| 06150+3053 | A667 | 2015.130 | 1 | 1.080 | 0.018 | 175.6* | 0.4 | | | | | | |
| 06150+3053 | A667 | 2015.130 | 1 | 1.069 | 0.007 | 175.9* | 0.3 | | | | | | |
| 06197+3826 | A2116 | 2015.108 | 1 | 1.687 | 0.008 | 35.0 | 0.3 | | | | | | |
| 06197+3826 | A2116 | 2015.108 | 1 | 1.720 | 0.015 | 34.8* | 0.4 | | | | | | |
| 06207+0517 | CAT2AC | 2015.355 | 1 | 1.587 | 0.014 | 34.7 | 1.0 | | | NDg | | | |
| 06207+0517 | CAT2AC | 2015.355 | 1 | 1.579 | 0.010 | 34.5 | 1.1 | | | NDg | | | |
| 06246+3836 | COU2055 | 2015.108 | 1 | 1.653 | 0.013 | 14.9* | 0.5 | | | | | | |
| 06246+3836 | COU2055 | 2015.108 | 1 | 1.646 | 0.008 | 14.7* | 0.3 | | | | | | |
| 06256+2227 | STT139 | 2015.130 | 1 | 0.773 | 0.007 | 255.5* | 1.4 | | | Sca2001b | 0.19 | -5.4 | 5 |
| 06256+2227 | STT139 | 2015.130 | 1 | 0.765 | 0.007 | 254.5* | 2.3 | | | Sca2001b | 0.18 | -6.4 | 5 |
| 06257+4843 | COU2598 | 2015.135 | 1 | 1.424 | 0.020 | 247.7* | 0.3 | | | | | | |
| 06257+4843 | COU2598 | 2015.135 | 1 | 1.415 | 0.014 | 247.8* | 0.8 | | | | | | |
| 06295+4707 | COU2478 | 2015.108 | 1 | 1.038 | 0.007 | 222.6* | 0.5 | | | | | | |
| 06295+4707 | COU2478 | 2015.108 | 1 | 1.050 | 0.008 | 223.5* | 0.3 | | | | | | |
| 06307+4336 | COU2372 | 2015.108 | 1 | 0.796 | 0.010 | 183.6* | 0.9 | | | | | | |
| 06307+4336 | COU2372 | 2015.108 | 1 | 0.804 | 0.013 | 183.2* | 0.3 | | | | | | |
| 06309+4005 | COU2058 | 2015.108 | 1 | 1.685 | 0.018 | 114.8* | 0.4 | | | | | | |
| 06309+4005 | COU2058 | 2015.108 | 1 | 1.687 | 0.018 | 114.5* | 0.3 | | | | | | |
| 06316+3210 | BU896AB | 2015.114 | 1 | 0.879 | 0.013 | 178.1* | 0.6 | | | | | | |
| 06316+3210 | BU896AB | 2015.114 | 1 | 0.872 | 0.007 | 178.7* | 0.6 | | | | | | |
| 06326+4746 | COU2479 | 2015.114 | 1 | 0.773 | 0.016 | 281.6* | 1.3 | | | | | | |
| 06326+4746 | COU2479 | 2015.114 | 1 | 0.782 | 0.013 | 281.6* | 0.9 | | | | | | |
| 06341+3110 | A216 | 2015.135 | 1 | 2.283 | 0.011 | 108.0* | 0.4 | | | | | | |
| 06341+3110 | A216 | 2015.135 | 1 | 2.254 | 0.018 | 108.2* | 0.5 | | | | | | |
| 06343+3805 | STT147CD | 2015.130 | 1 | 0.437 | 0.012 | 106.3* | 1.2 | | | | | | |
| 06343+3805 | STT147CD | 2015.130 | 1 | 0.444 | 0.014 | 105.8* | 0.9 | | | | | | |
| 06347+2605 | J1093 | 2015.135 | 1 | — | — | — | — | | | NR | | | |
| 06351+2909 | J693 | 2015.182 | 1 | 1.574 | 0.014 | 99.3* | 0.9 | | | | | | |
| 06351+2909 | J693 | 2015.182 | 1 | 1.587 | 0.009 | 99.4* | 0.4 | | | | | | |
| 06357+2816 | A506 | 2015.108 | 1 | 0.237 | 0.035 | 39.3* | 1.7 | | | | | | |
| 06357+2816 | A506 | 2015.108 | 1 | 0.200 | 0.015 | 39.1 | 0.9 | | | | | | |
| 06363+3800 | BU194 | 2015.114 | 1 | 1.538 | 0.008 | 276.2* | 0.4 | | | | | | |
| 06363+3800 | BU194 | 2015.114 | 1 | 1.551 | 0.012 | 276.9* | 0.6 | | | | | | |
| 06368+4415 | A1051 | 2015.114 | 1 | 0.664 | 0.007 | 39.3 | 0.5 | | | | | | |
| 06368+4415 | A1051 | 2015.114 | 1 | 0.678 | 0.014 | 39.8* | 1.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 06373+3208 | COU1548 | 2015.108 | 1 | 1.359 | 0.020 | 113.5* | 0.4 | | | | | | |
| 06373+3208 | COU1548 | 2015.108 | 1 | 1.353 | 0.011 | 113.7* | 0.3 | | | | | | |
| 06373+3403 | COU1547 | 2015.108 | 1 | 1.129 | 0.015 | 217.5* | 0.3 | | | | | | |
| 06373+3403 | COU1547 | 2015.108 | 1 | 1.130 | 0.013 | 217.5 | 0.3 | | | | | | |
| 06378+4117 | COU2373 | 2015.130 | 2 | 0.592 | 0.007 | 275.3* | 0.3 | | | | | | |
| 06378+4117 | COU2373 | 2015.130 | 2 | 0.594 | 0.007 | 275.3* | 0.7 | | | | | | |
| 06383+4201 | A2451 | 2015.114 | 1 | 0.626 | 0.010 | 144.9* | 0.4 | | | | | | |
| 06383+4201 | A2451 | 2015.114 | 1 | 0.636 | 0.008 | 144.9* | 0.3 | | | | | | |
| 06387+3318 | COU1549 | 2015.108 | 1 | 0.514 | 0.013 | 344.8* | 0.5 | | | | | | |
| 06387+3318 | COU1549 | 2015.108 | 1 | 0.511 | 0.015 | 344.8* | 0.6 | | | | | | |
| 06393+4200 | STT150 | 2015.130 | 1 | 0.331 | 0.063 | 12.6* | 1.6 | | | Doc2012g | 0.05 | 0.5 | 3 |
| 06408+4815 | HU563Ca,Cb | 2015.114 | 1 | 0.683 | 0.007 | 350.2* | 0.4 | | | | | | |
| 06408+4815 | HU563Ca,Cb | 2015.114 | 1 | 0.686 | 0.010 | 349.6* | 0.8 | | | | | | |
| 06408+4815 | HU563Ca,Cb | 2015.130 | 1 | 0.672 | 0.007 | 349.6* | 0.6 | | | | | | |
| 06408+4815 | HU563Ca,Cb | 2015.130 | 1 | 0.680 | 0.014 | 349.2* | 0.3 | | | | | | |
| 06414+2336 | POU1883BC | 2014.180 | 1 | 1.823 | 0.009 | 186.7* | 0.3 | | | | | | |
| 06422+2846 | COU1105 | 2015.114 | 1 | — | — | — | — | | NR | | | | |
| 06426+1837 | J989 | 2015.182 | 1 | 1.873 | 0.018 | 99.8* | 0.7 | | | | | | |
| 06426+1837 | J989 | 2015.182 | 1 | 1.849 | 0.018 | 100.0* | 0.3 | | | | | | |
| 06440+4053 | A2456AB | 2015.130 | 1 | 0.547 | 0.007 | 320.0* | 1.1 | | | | | | |
| 06440+4053 | A2456AB | 2015.130 | 1 | 0.534 | 0.007 | 320.0* | 0.4 | | | | | | |
| 06446+2327 | AG119 | 2015.168 | 1 | 1.498 | 0.011 | 84.0* | 0.8 | | | | | | |
| 06446+2327 | AG119 | 2015.168 | 1 | 1.520 | 0.013 | 84.3* | 0.7 | | | | | | |
| 06451+3555 | A2522 | 2015.108 | 1 | 0.700 | 0.007 | 245.6* | 0.4 | | | | | | |
| 06451+3555 | A2522 | 2015.108 | 1 | 0.687 | 0.025 | 244.2* | 1.6 | | | | | | |
| 06462+4203 | A2457 | 2015.108 | 1 | 0.348 | 0.023 | 354.2* | 0.3 | | | | | | |
| 06462+4203 | A2457 | 2015.108 | 1 | 0.383 | 0.007 | 354.1* | 0.4 | | | | | | |
| 06474+1812 | STT156 | 2015.114 | 1 | 0.134 | 0.048 | 148.6 | 6.7 | | | Pru2017 | -0.03 | 10.4 | 3 |
| 06474+1812 | STT156 | 2015.114 | 1 | 0.192 | 0.012 | 143.1 | 5.4 | | | Pru2017 | 0.02 | 4.9 | 3 |
| 06477+2343 | J1104Aa,Ab | 2015.168 | 1 | 0.435 | 0.043 | 97.4* | 2.2 | | NDp | | | | |
| 06477+2343 | J1104Aa,Ab | 2015.168 | 1 | 0.429 | 0.049 | 96.1* | 2.4 | | NDp | | | | |
| 06483+4105 | A2359AB | 2015.182 | 1 | 2.213 | 0.011 | 245.6* | 0.4 | | | | | | |
| 06483+4105 | A2359AB | 2015.182 | 1 | 2.223 | 0.013 | 245.3* | 0.5 | | | | | | |
| 06483+4105 | A2359AB | 2015.184 | 2 | 2.223 | 0.015 | 245.4 | 0.3 | 2.41 | LY | | | | |
| 06483+4105 | H 2 71 AC | 2015.184 | 2 | 8.128 | 0.041 | 47.4* | 0.3 | 2.53 | LY | | | | |
| 06496+4404 | ES1385BC | 2015.182 | 1 | 1.353 | 0.023 | 223.4* | 1.0 | | | | | | |
| 06496+4404 | ES1385BC | 2015.182 | 1 | 1.329 | 0.021 | 223.3* | 0.7 | | | | | | |
| 06504+4345 | STF964 | 2015.130 | 1 | 1.582 | 0.016 | 182.6* | 0.4 | | | | | | |
| 06504+4345 | STF964 | 2015.130 | 1 | 1.583 | 0.008 | 182.6* | 0.3 | | | | | | |
| 06509+5059 | COU2600 | 2015.114 | 1 | 0.480 | 0.007 | 263.5* | 0.6 | | | | | | |
| 06509+5059 | COU2600 | 2015.114 | 1 | 0.461 | 0.025 | 260.9* | 3.7 | | | | | | |
| 06532+3826 | COU1877 | 2015.130 | 1 | 0.247 | 0.023 | 280.5* | 2.7 | | | Hrt2009 | -0.03 | -0.5 | 4 |
| 06532+3826 | COU1877 | 2015.130 | 1 | 0.263 | 0.026 | 281.3 | 3.9 | | | Hrt2009 | -0.01 | 0.3 | 4 |
| 06535+5139 | COU2602Aa,Ab | 2015.108 | 1 | 0.428 | 0.007 | 280.4* | 0.8 | | | | | | |
| 06535+5139 | COU2602Aa,Ab | 2015.108 | 1 | 0.438 | 0.019 | 282.4* | 1.3 | | | | | | |
| 06565+5137 | COU2603 | 2015.108 | 1 | 1.092 | 0.032 | 130.3* | 0.7 | | | | | | |
| 06565+5137 | COU2603 | 2015.108 | 1 | 1.088 | 0.027 | 131.6* | 0.4 | | | | | | |
| 06576+4426 | A1323 | 2015.182 | 1 | 1.836 | 0.022 | 348.2* | 0.6 | | | | | | |
| 06576+4426 | A1323 | 2015.182 | 1 | 1.889 | 0.015 | 347.9* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|-------|--------------------------|----------------------------|-------|
| 06577+4051 | COU2060 | 2015.108 | 1 | 1.373 | 0.010 | 221.3* | 0.5 | | | | | | |
| 06577+4051 | COU2060 | 2015.108 | 1 | 1.356 | 0.027 | 220.9* | 1.0 | | | | | | |
| 06587+4913 | COU2604 | 2015.114 | 1 | 0.795 | 0.007 | 342.8* | 0.4 | | | | | | |
| 06587+4913 | COU2604 | 2015.114 | 1 | 0.812 | 0.007 | 342.1* | 0.6 | | | | | | |
| 06592+4539 | COU2481 | 2015.114 | 1 | 0.812 | 0.007 | 209.9* | 0.3 | | | | | | |
| 06592+4539 | COU2481 | 2015.114 | 1 | 0.820 | 0.007 | 210.3* | 0.8 | | | | | | |
| 06596+4432 | COU2482 | 2015.168 | 1 | 0.208 | 0.016 | 264.1* | 1.3 | | | | | | |
| 06596+4432 | COU2482 | 2015.168 | 1 | 0.215 | 0.010 | 265.6 | 7.8 | | | | | | |
| 06597+3634 | COU1880 | 2015.108 | 1 | 1.389 | 0.014 | 182.4* | 0.3 | | | | | | |
| 06597+3634 | COU1880 | 2015.108 | 1 | 1.390 | 0.015 | 182.8* | 0.5 | | | | | | |
| 06598+3141 | COU1241 | 2015.108 | 1 | — | — | — | — | | NR | | | | |
| 07008+2716 | BU1022AB | 2015.212 | 1 | 0.379 | 0.007 | 37.4* | 0.7 | | | | | | |
| 07008+2716 | BU1022AB | 2015.212 | 1 | 0.383 | 0.007 | 37.6 | 0.3 | | | | | | |
| 07010+2430 | COU923 | 2015.108 | 1 | 1.681 | 0.008 | 271.0* | 1.6 | | | | | | |
| 07010+2430 | COU923 | 2015.108 | 1 | 1.720 | 0.052 | 270.6* | 1.7 | | | | | | |
| 07012+3622 | A1957 | 2015.114 | 1 | 0.466 | 0.013 | 175.8* | 1.0 | | | | | | |
| 07012+3622 | A1957 | 2015.114 | 1 | 0.444 | 0.009 | 176.8* | 0.7 | | | | | | |
| 07017+1511 | J1059AF | 2015.114 | 1 | 1.798 | 0.009 | 247.0* | 0.3 | | NDp | | | | |
| 07017+1511 | J1059AF | 2015.114 | 1 | 1.808 | 0.020 | 247.1* | 0.7 | | NDp | | | | |
| 07021+4101 | COU2061 | 2015.168 | 1 | 0.294 | 0.035 | 12.9* | 1.8 | | | | | | |
| 07021+4101 | COU2061 | 2015.168 | 1 | 0.317 | 0.007 | 12.1* | 0.8 | | | | | | |
| 07023+2159 | COU924 | 2015.212 | 1 | 1.315 | 0.015 | 313.1* | 0.3 | | | | | | |
| 07023+2159 | COU924 | 2015.212 | 1 | 1.288 | 0.026 | 313.7* | 0.8 | | | | | | |
| 07030+2427 | AG134AB | 2015.114 | 1 | 1.770 | 0.009 | 23.5* | 0.3 | | | | | | |
| 07030+2427 | AG134AB | 2015.114 | 1 | 1.773 | 0.009 | 23.7* | 0.3 | | | | | | |
| 07030+3837 | A1958 | 2015.114 | 1 | 0.657 | 0.009 | 154.6* | 0.7 | | | | | | |
| 07030+3837 | A1958 | 2015.114 | 1 | 0.650 | 0.010 | 156.3* | 0.7 | | | | | | |
| 07032+3457 | COU1739AB | 2015.114 | 1 | 1.325 | 0.010 | 75.4* | 0.4 | | | | | | |
| 07032+3457 | COU1739AB | 2015.114 | 1 | 1.313 | 0.018 | 75.0* | 0.8 | | | | | | |
| 07032+3457 | COU1739AC | 2015.114 | 1 | 1.321 | 0.014 | 91.1* | 0.7 | | NDp | | | | |
| 07032+3457 | COU1739AC | 2015.114 | 1 | 1.311 | 0.009 | 90.5* | 0.9 | | NDp | | | | |
| 07032+3457 | GH82Aa,Ab | 2015.114 | 1 | 0.283 | 0.076 | 173.1* | 3.0 | | NDg | | | | |
| 07032+3457 | GH82Aa,Ab | 2015.114 | 1 | 0.360 | 0.054 | 175.7* | 0.5 | | NDg | | | | |
| 07036+3941 | A1959 | 2015.182 | 1 | — | — | — | — | | NR | | | | |
| 07045+4926 | COU2483 | 2015.130 | 1 | 1.542 | 0.049 | 221.1* | 2.8 | | | | | | |
| 07045+4926 | COU2483 | 2015.130 | 1 | 1.521 | 0.024 | 222.5* | 1.5 | | | | | | |
| 07051+1519 | HEI49AB | 2015.136 | 1 | 0.909 | 0.013 | 96.5* | 0.4 | | | | | | |
| 07051+1519 | HEI49AB | 2015.136 | 1 | 0.901 | 0.008 | 96.4* | 0.6 | | | | | | |
| 07051+1519 | HEI49Aa,Ab | 2015.136 | 1 | 0.156 | 0.017 | 145.8 | 5.1 | | NDg | | | | |
| 07054+2444 | A1065 | 2015.212 | 1 | 0.159 | 0.032 | 138.2 | 7.4 | | | | | | |
| 07054+2444 | A1065 | 2015.212 | 1 | 0.168 | 0.017 | 141.6 | 7.7 | | | | | | |
| 07057+2608 | STF1014 | 2015.209 | 1 | 1.985 | 0.013 | 39.6* | 0.6 | | | | | | |
| 07057+2608 | STF1014 | 2015.209 | 1 | 1.984 | 0.010 | 39.0* | 0.5 | | | | | | |
| 07062+4023 | COU2186 | 2015.130 | 1 | 0.524 | 0.017 | 93.0* | 1.6 | | | | | | |
| 07062+4023 | COU2186 | 2015.130 | 1 | 0.539 | 0.012 | 94.4* | 1.6 | | | | | | |
| 07066+3303 | HU836 | 2015.168 | 1 | 1.430 | 0.018 | 308.7* | 0.4 | | | | | | |
| 07066+3303 | HU836 | 2015.168 | 1 | 1.426 | 0.028 | 309.2* | 0.3 | | | | | | |
| 07066+4010 | A2465AB | 2015.209 | 1 | 1.818 | 0.027 | 128.0* | 0.3 | | | | | | |
| 07066+4010 | A2465AB | 2015.209 | 1 | 1.841 | 0.009 | 127.3* | 0.3 | | | | | | |
| 07072+2720 | BRT2835 | 2015.182 | 2 | 6.799 | 0.127 | 110.2 | 1.2 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|-------|--------------------------------------|--|-------|
| 07072+2720 | BRT2835 | 2015.182 | 2 | 6.661 | 0.114 | 108.8 | 0.7 | | | | | | |
| 07078+3250 | HU705 | 2015.136 | 1 | 0.585 | 0.015 | 221.8* | 0.6 | | | | | | |
| 07078+3250 | HU705 | 2015.136 | 1 | 0.573 | 0.010 | 221.3* | 0.8 | | | | | | |
| 07082+3853 | A1960 | 2015.136 | 1 | 0.259 | 0.011 | 175.4* | 2.3 | | | | | | |
| 07082+3853 | A1960 | 2015.136 | 1 | 0.293 | 0.054 | 172.8* | 2.2 | | | | | | |
| 07096+3828 | STF1021A,BC | 2015.209 | 1 | 4.199 | 0.021 | 12.7* | 0.3 | | | | | | |
| 07096+3828 | STF1021A,BC | 2015.209 | 1 | 4.208 | 0.021 | 13.0 | 0.3 | | | | | | |
| 07096+3828 | STF1021A,BD | 2015.209 | 1 | 4.097 | 0.029 | 18.4 | 0.4 | | NDp | | | | |
| 07096+3828 | STF1021A,BD | 2015.209 | 1 | 4.116 | 0.021 | 18.5 | 0.3 | | NDp | | | | |
| 07096+3828 | COU2064BC | 2015.209 | 1 | 0.368 | 0.007 | 119.2 | 0.3 | 0.18 | | | | | |
| 07096+3828 | COU2064BC | 2015.209 | 1 | 0.371 | 0.007 | 116.3 | 0.3 | 0.31 | | | | | |
| 07097+4457 | COU2484 | 2015.130 | 1 | 0.981 | 0.007 | 88.5* | 0.3 | | | | | | |
| 07097+4457 | COU2484 | 2015.130 | 1 | 0.998 | 0.007 | 88.6* | 0.3 | | | | | | |
| 07102+3808 | STF1024AB | 2015.136 | 1 | 1.255 | 0.007 | 316.6* | 0.3 | | | | | | |
| 07102+3808 | STF1024AB | 2015.136 | 1 | 1.257 | 0.007 | 316.8* | 0.3 | | | | | | |
| 07118+4601 | A1326 | 2015.168 | 1 | 0.210 | 0.044 | 348.3* | 2.5 | | | | | | |
| 07118+4601 | A1326 | 2015.168 | 1 | 0.264 | 0.049 | 343.0* | 0.5 | | | | | | |
| 07126+3512 | POP84 | 2015.212 | 1 | 1.961 | 0.010 | 7.3* | 0.4 | | | | | | |
| 07126+3512 | POP84 | 2015.212 | 1 | 1.968 | 0.015 | 6.8* | 0.3 | | | | | | |
| 07130+4136 | ES1536 | 2015.212 | 1 | 1.685 | 0.008 | 16.3* | 0.3 | | | | | | |
| 07130+4136 | ES1536 | 2015.212 | 1 | 1.682 | 0.010 | 16.4* | 0.4 | | | | | | |
| 07151+2553 | BU1023 | 2015.168 | 1 | 0.470 | 0.009 | 124.8* | 1.1 | | | | | | |
| 07151+2553 | BU1023 | 2015.168 | 1 | 0.463 | 0.007 | 125.2* | 0.7 | | | | | | |
| 07169+3844 | COU2066 | 2015.168 | 1 | 0.695 | 0.007 | 204.2* | 0.9 | | | | | | |
| 07169+3844 | COU2066 | 2015.168 | 1 | 0.714 | 0.015 | 204.2* | 1.1 | | | | | | |
| 07173+2707 | BRT151 | 2015.136 | 1 | 3.108 | 0.016 | 56.8* | 0.3 | | | | | | |
| 07173+2707 | BRT151 | 2015.136 | 1 | 3.096 | 0.019 | 56.5* | 0.6 | | | | | | |
| 07177+4415 | TDS4680 | 2015.209 | 1 | — | — | — | — | | NR | | | | |
| 07181+2341 | POU2652AC | 2014.180 | 1 | 2.869 | 0.014 | 116.6* | 0.3 | | | | | | |
| 07190+3804 | COU2069 | 2015.182 | 1 | 0.384 | 0.015 | 101.1* | 0.9 | | | | | | |
| 07190+3804 | COU2069 | 2015.182 | 1 | 0.407 | 0.013 | 101.7* | 0.7 | | | | | | |
| 07214+3402 | STF1070AB | 2015.168 | 1 | 1.731 | 0.015 | 324.7* | 0.3 | | | | | | |
| 07214+3402 | STF1070AB | 2015.168 | 1 | 1.733 | 0.009 | 324.4* | 0.3 | | | | | | |
| 07215+2514 | A2736AD | 2015.136 | 1 | 9.311 | 0.052 | 155.5 | 0.3 | | NDp | | | | |
| 07215+2514 | A2736AD | 2015.136 | 1 | 9.351 | 0.047 | 155.4 | 0.3 | | NDp | | | | |
| 07215+2514 | A2736AC | 2015.136 | 1 | 9.755 | 0.049 | 146.0 | 0.3 | | | | | | |
| 07215+2514 | A2736AC | 2015.136 | 1 | 9.722 | 0.049 | 146.0* | 0.3 | | | | | | |
| 07215+2514 | A2736AB | 2015.136 | 1 | 1.613 | 0.008 | 74.1* | 0.5 | | | | | | |
| 07215+2514 | A2736AB | 2015.136 | 1 | 1.617 | 0.030 | 74.4 | 1.4 | | | | | | |
| 07225+4620 | A1743 | 2015.168 | 1 | 1.213 | 0.007 | 271.8* | 0.7 | | | | | | |
| 07225+4620 | A1743 | 2015.168 | 1 | 1.225 | 0.017 | 272.1* | 0.3 | | | | | | |
| 07227+2205 | HO345AB | 2015.182 | 1 | 1.206 | 0.023 | 286.4* | 0.9 | | | | | | |
| 07227+2205 | HO345AB | 2015.182 | 1 | 1.186 | 0.021 | 286.2* | 1.3 | | | | | | |
| 07231+4042 | HDS1036 | 2015.209 | 1 | 0.466 | 0.007 | 337.8* | 0.3 | | | | | | |
| 07231+4042 | HDS1036 | 2015.209 | 1 | 0.469 | 0.008 | 335.5 | 1.1 | | | | | | |
| 07241+2127 | STF1081AB | 2015.212 | 1 | 1.962 | 0.010 | 235.2* | 0.3 | | | | | | |
| 07241+2127 | STF1081AB | 2015.212 | 1 | 1.959 | 0.010 | 235.2* | 0.3 | | | | | | |
| 07251+4039 | COU2376 | 2015.209 | 1 | 0.109 | 0.030 | 76.7 | 7.1 | | | | | | |
| 07251+4039 | COU2376 | 2015.209 | 1 | 0.147 | 0.045 | 76.1* | 5.7 | | | | | | |
| 07267+3137 | STF171 | 2015.136 | 1 | 1.116 | 0.007 | 136.4* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|---------|-------|-------------------------------|-------------------------------------|-------|
| 07267+3137 | STT171 | 2015.136 | 1 | 1.130 | 0.041 | 136.2* | 0.9 | | | | | | |
| 07268+4611 | A2045 | 2015.130 | 1 | 0.981 | 0.009 | 11.6* | 0.3 | | | | | | |
| 07268+4611 | A2045 | 2015.130 | 1 | 1.009 | 0.018 | 11.7* | 0.3 | | | | | | |
| 07272+4437 | COU2485 | 2015.136 | 1 | 0.320 | 0.015 | 182.0* | 2.3 | | | | | | |
| 07272+4437 | COU2485 | 2015.136 | 1 | 0.353 | 0.007 | 180.6* | 0.8 | | | | | | |
| 07278+2326 | COU949 | 2015.212 | 1 | 1.196 | 0.009 | 201.3* | 0.6 | | | | | | |
| 07278+2326 | COU949 | 2015.212 | 1 | 1.178 | 0.034 | 202.1* | 0.7 | | | | | | |
| 07286+3152 | HDS1053 | 2015.212 | 1 | 0.128 | 0.021 | 131.9 | 6.4 | | | | | | |
| 07286+3152 | HDS1053 | 2015.212 | 1 | 0.152 | 0.007 | 129.9 | 4.9 | | | | | | |
| 07288+2330 | POU2810 | 2014.147 | 1 | 3.056 | 0.015 | 173.0* | 0.3 | | | | | | |
| 07288+2330 | POU2810 | 2014.147 | 1 | 3.108 | 0.021 | 172.9* | 0.3 | | | | | | |
| 07289+4811 | KUI30AB | 2015.130 | 1 | 1.137 | 0.016 | 95.8* | 1.5 | | | | | | |
| 07289+4811 | KUI30AB | 2015.130 | 1 | 1.131 | 0.007 | 95.1* | 0.6 | | | | | | |
| 07295+4539 | COU2486 | 2015.130 | 1 | 0.232 | 0.012 | 5.0* | 4.9 | | | | | | |
| 07295+4539 | COU2486 | 2015.130 | 1 | 0.260 | 0.010 | 3.0* | 1.6 | | | | | | |
| 07303+3534 | ALI107AB | 2015.212 | 1 | 7.695 | 0.038 | 174.1 | 0.3 | | | | | | |
| 07303+3534 | ALI107AB | 2015.212 | 1 | 7.726 | 0.039 | 173.7* | 0.3 | | | | | | |
| 07303+3534 | TDS4870Aa,Ab | 2015.212 | 1 | — | — | — | — | | NR | | | | |
| 07303+4959 | STF1093 | 2015.136 | 1 | 0.880 | 0.012 | 205.6* | 0.4 | | Izm2019 | | -0.01 | 1.0 | 4 |
| 07303+4959 | STF1093 | 2015.136 | 1 | 0.876 | 0.012 | 205.6* | 0.8 | | Izm2019 | | -0.01 | 1.0 | 4 |
| 07309+3034 | A673AB | 2015.168 | 1 | 0.376 | 0.014 | 352.2* | 1.4 | | | | | | |
| 07309+3034 | A673AB | 2015.168 | 1 | 0.383 | 0.013 | 352.3* | 2.0 | | | | | | |
| 07309+4027 | COU2187 | 2015.212 | 1 | 0.466 | 0.007 | 223.3* | 0.4 | | | | | | |
| 07309+4027 | COU2187 | 2015.212 | 1 | 0.461 | 0.007 | 223.9* | 0.3 | | | | | | |
| 07319+3613 | BEU11Aa,Ab | 2015.209 | 1 | 1.548 | 0.008 | 191.3* | 0.5 | | | | | | |
| 07325+3543 | POP105 | 2015.114 | 1 | 0.742 | 0.013 | 50.1* | 0.4 | | | | | | |
| 07325+3543 | POP105 | 2015.114 | 1 | 0.728 | 0.010 | 50.5* | 0.7 | | | | | | |
| 07330+3107 | RAS4 | 2015.114 | 1 | 0.258 | 0.007 | 95.9 | 4.8 | | | | | | |
| 07330+3107 | RAS4 | 2015.114 | 1 | 0.162 | 0.032 | 102.2 | 4.4 | | | | | | |
| 07342+4609 | A2047 | 2015.114 | 1 | 2.257 | 0.011 | 77.3 | 0.3 | | | | | | |
| 07342+4609 | A2047 | 2015.114 | 1 | 2.246 | 0.018 | 77.3 | 0.6 | | | | | | |
| 07351+3058 | STT175AB | 2015.209 | 1 | — | — | — | — | | NR | | | | |
| 07362+4417 | COU2487 | 2015.108 | 1 | 1.069 | 0.018 | 214.7* | 1.6 | | | | | | |
| 07362+4417 | COU2487 | 2015.108 | 1 | 1.045 | 0.007 | 214.3* | 0.7 | | | | | | |
| 07365+2202 | TDS4977 | 2015.212 | 1 | — | — | — | — | | NR | | | | |
| 07369+4541 | COU2488 | 2015.108 | 1 | 0.396 | 0.021 | 180.0* | 1.9 | | | | | | |
| 07369+4541 | COU2488 | 2015.108 | 1 | 0.432 | 0.010 | 181.2 | 2.9 | | | | | | |
| 07370+4647 | A2048 | 2015.130 | 1 | 1.712 | 0.009 | 3.0 | 0.3 | | | | | | |
| 07370+4647 | A2048 | 2015.130 | 1 | 1.707 | 0.025 | 3.4 | 0.7 | | | | | | |
| 07374+3852 | HU842AB | 2015.168 | 1 | 0.421 | 0.007 | 83.3* | 0.6 | | | | | | |
| 07374+3852 | HU842AB | 2015.168 | 1 | 0.416 | 0.007 | 84.8* | 0.6 | | | | | | |
| 07375+4437 | A2126 | 2015.130 | 1 | 2.196 | 0.011 | 212.4* | 0.4 | | | | | | |
| 07375+4437 | A2126 | 2015.130 | 1 | 2.220 | 0.027 | 212.8* | 0.9 | | | | | | |
| 07377+2101 | BAR32AB | 2015.209 | 1 | 1.365 | 0.020 | 129.2* | 0.4 | | | | | | |
| 07377+2101 | BAR32AB | 2015.209 | 1 | 1.393 | 0.007 | 130.1* | 0.3 | | | | | | |
| 07382+4923 | COU2606 | 2015.108 | 1 | 0.313 | 0.025 | 273.1* | 0.9 | | | | | | |
| 07382+4923 | COU2606 | 2015.108 | 1 | 0.339 | 0.016 | 273.0* | 1.1 | | | | | | |
| 07385+2819 | COU1247Aa,Ab | 2015.136 | 1 | — | — | — | — | | NR | | | | |
| 07385+3503 | BU200CD | 2015.136 | 1 | 1.889 | 0.010 | 245.4* | 0.5 | | | | | | |
| 07385+3503 | BU200CD | 2015.136 | 1 | 1.881 | 0.043 | 246.0* | 1.1 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 07417+1803 | A2876AB | 2015.212 | 1 | 1.089 | 0.010 | 197.2* | 0.6 | | | | | | |
| 07417+1803 | A2876AB | 2015.212 | 1 | 1.082 | 0.015 | 197.2* | 0.6 | | | | | | |
| 07420+3655 | ES2158AB,C | 2015.209 | 1 | 2.748 | 0.014 | 333.8* | 0.3 | | | | | | |
| 07420+3655 | ES2158AB,C | 2015.209 | 1 | 2.745 | 0.018 | 333.8 | 0.3 | | | | | | |
| 07420+3655 | ES2158BC | 2015.209 | 1 | 3.810 | 0.028 | 330.7 | 0.3 | | | | | | |
| 07420+3655 | ES2158BC | 2015.209 | 1 | 3.800 | 0.021 | 330.8 | 0.3 | | | | | | |
| 07420+3655 | ES2158AB | 2015.209 | 1 | 1.083 | 0.013 | 142.5* | 0.6 | | | | | | |
| 07420+3655 | ES2158AB | 2015.209 | 1 | 1.080 | 0.014 | 142.7* | 0.8 | | | | | | |
| 07422+4413 | A2049 | 2015.114 | 1 | 1.725 | 0.015 | 165.6* | 0.3 | | | | | | |
| 07422+4413 | A2049 | 2015.114 | 1 | 1.733 | 0.010 | 165.7* | 0.3 | | | | | | |
| 07441+5026 | COU2607 | 2015.108 | 1 | 0.962 | 0.013 | 164.0* | 0.7 | | | | | | |
| 07441+5026 | COU2607 | 2015.108 | 1 | 0.967 | 0.010 | 165.3* | 1.4 | | | | | | |
| 07450+4027 | COU2379 | 2015.108 | 1 | 0.830 | 0.017 | 8.0* | 1.0 | | | | | | |
| 07450+4027 | COU2379 | 2015.108 | 1 | 0.837 | 0.034 | 7.1* | 0.8 | | | | | | |
| 07458+4417 | HDS1097 | 2015.136 | 1 | 0.393 | 0.018 | 34.4* | 1.3 | | | | | | |
| 07458+4417 | HDS1097 | 2015.136 | 1 | 0.404 | 0.007 | 35.7* | 1.0 | | | | | | |
| 07463+4340 | COU2489 | 2015.114 | 1 | 0.345 | 0.023 | 110.1* | 0.7 | | | | | | |
| 07463+4340 | COU2489 | 2015.114 | 1 | 0.308 | 0.019 | 110.3 | 2.4 | | | | | | |
| 07476+2528 | HO36 | 2015.182 | 1 | 0.612 | 0.015 | 125.2* | 0.3 | | | | | | |
| 07476+2528 | HO36 | 2015.182 | 1 | 0.618 | 0.018 | 125.3* | 0.7 | | | | | | |
| 07477+4558 | COU2608 | 2015.114 | 1 | 0.264 | 0.012 | 276.2* | 2.6 | | | | | | |
| 07477+4558 | COU2608 | 2015.114 | 1 | 0.308 | 0.021 | 277.2* | 0.7 | | | | | | |
| 07486+2308 | WRH15AB | 2015.209 | 1 | 0.320 | 0.036 | 29.4 | 3.4 | | | USN2002 | 0.06 | 1.2 | 4 |
| 07486+2308 | WRH15AB | 2015.209 | 1 | 0.311 | 0.007 | 30.4 | 0.3 | | | USN2002 | 0.05 | 2.2 | 4 |
| 07489+4551 | COU2491 | 2015.108 | 1 | 0.642 | 0.007 | 196.9* | 0.5 | | | | | | |
| 07489+4551 | COU2491 | 2015.108 | 1 | 0.669 | 0.007 | 197.1* | 1.3 | | | | | | |
| 07493+3541 | COU2074 | 2015.130 | 1 | 0.165 | 0.032 | 121.3 | 5.0 | | | | | | |
| 07493+3541 | COU2074 | 2015.130 | 1 | 0.202 | 0.028 | 124.4 | 5.1 | | | | | | |
| 07503+1517 | TDS5259 | 2015.168 | 1 | — | — | — | — | | | NR | | | |
| 07506+1944 | COU926 | 2015.130 | 1 | 0.229 | 0.009 | 247.0* | 1.3 | | | | | | |
| 07506+1944 | COU926 | 2015.130 | 1 | 0.180 | 0.038 | 252.3* | 4.4 | | | | | | |
| 07519+1515 | HEI53AB | 2015.114 | 1 | 0.709 | 0.051 | 125.2 | 2.5 | | | NDg | | | |
| 07519+1515 | HEI53AB | 2015.114 | 1 | 0.702 | 0.029 | 123.9 | 4.5 | | | NDg | | | |
| 07519+2215 | COU927BC | 2015.209 | 1 | 0.949 | 0.011 | 208.5* | 0.5 | | | | | | |
| 07519+2215 | COU927BC | 2015.209 | 1 | 0.931 | 0.011 | 208.5* | 0.7 | | | | | | |
| 07532+4846 | COU2609 | 2015.114 | 1 | 1.488 | 0.007 | 26.6* | 0.3 | | | | | | |
| 07532+4846 | COU2609 | 2015.114 | 1 | 1.517 | 0.029 | 27.1* | 0.7 | | | | | | |
| 07534+4544 | COU2492 | 2015.168 | 1 | 0.680 | 0.009 | 6.6* | 0.8 | | | | | | |
| 07534+4544 | COU2492 | 2015.168 | 1 | 0.646 | 0.007 | 7.5* | 0.4 | | | | | | |
| 07555+2422 | A2537 | 2015.130 | 1 | 0.190 | 0.007 | 31.1* | 2.8 | | | Zir2012b | -0.03 | -4.4 | 5 |
| 07555+2422 | A2537 | 2015.130 | 1 | 0.122 | 0.030 | 29.3 | 5.2 | | | Zir2012b | -0.09 | -6.2 | 5 |
| 07556+3630 | COU2075 | 2015.136 | 1 | 0.840 | 0.021 | 142.9* | 0.4 | | | | | | |
| 07556+3630 | COU2075 | 2015.136 | 1 | 0.849 | 0.007 | 142.9* | 0.6 | | | | | | |
| 07556+5131 | HU712AB | 2015.114 | 1 | 0.982 | 0.018 | 154.7* | 0.4 | | | | | | |
| 07556+5131 | HU712AB | 2015.114 | 1 | 1.018 | 0.016 | 154.3* | 0.9 | | | | | | |
| 07558+2420 | A2538 | 2015.209 | 1 | 0.693 | 0.017 | 306.4* | 0.9 | | | | | | |
| 07558+2420 | A2538 | 2015.209 | 1 | 0.696 | 0.010 | 306.6* | 0.4 | | | | | | |
| 07560+2742 | HDS1129 | 2015.212 | 1 | 0.338 | 0.007 | 43.1* | 2.9 | | | | | | |
| 07560+2742 | HDS1129 | 2015.212 | 1 | 0.335 | 0.007 | 46.0* | 1.1 | | | | | | |
| 07569+4131 | COU2494AB | 2015.108 | 1 | 0.779 | 0.027 | 139.1* | 0.9 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|-------|--------------------------------------|--|-------|
| 07569+4131 | COU2494AB | 2015.108 | 1 | 0.782 | 0.016 | 140.4* | 1.0 | | | | | | |
| 07572+2844 | LDS3767 | 2015.136 | 1 | 2.259 | 0.023 | 114.5* | 0.4 | | | | | | |
| 07572+2844 | LDS3767 | 2015.136 | 1 | 2.261 | 0.037 | 114.7* | 0.4 | | | | | | |
| 07574+1820 | TDS5380 | 2015.212 | 1 | — | — | — | — | | NR | | | | |
| 08003+3953 | COU2381 | 2015.136 | 1 | 1.567 | 0.008 | 77.0* | 0.3 | | | | | | |
| 08003+3953 | COU2381 | 2015.136 | 1 | 1.544 | 0.043 | 77.3* | 0.4 | | | | | | |
| 08005+2900 | OSO20 | 2015.136 | 2 | 1.644 | 0.015 | 50.2* | 0.5 | | | | | | |
| 08008+4058 | ES1539Aa,Ab | 2015.168 | 1 | 0.183 | 0.023 | 124.7 | 6.5 | | NDp | | | | |
| 08013+3613 | COU1888 | 2015.108 | 1 | 0.879 | 0.018 | 163.9* | 1.0 | | | | | | |
| 08013+3613 | COU1888 | 2015.108 | 1 | 0.863 | 0.023 | 163.3* | 1.1 | | | | | | |
| 08026+2706 | COU1113 | 2015.130 | 1 | 0.884 | 0.010 | 292.2* | 0.3 | | | | | | |
| 08026+2706 | COU1113 | 2015.130 | 1 | 0.875 | 0.011 | 293.2* | 0.8 | | | | | | |
| 08028+4342 | COU2495 | 2015.108 | 1 | 0.987 | 0.008 | 126.5* | 0.6 | | | | | | |
| 08028+4342 | COU2495 | 2015.108 | 1 | 0.985 | 0.007 | 126.8* | 0.8 | | | | | | |
| 08030+1843 | COU477 | 2015.209 | 1 | 0.817 | 0.025 | 321.0* | 0.8 | | | | | | |
| 08030+1843 | COU477 | 2015.209 | 1 | 0.849 | 0.018 | 320.3* | 0.4 | | | | | | |
| 08033+2153 | COU163 | 2015.136 | 1 | 0.558 | 0.010 | 225.1* | 1.7 | | | | | | |
| 08033+2153 | COU163 | 2015.136 | 1 | 0.541 | 0.009 | 227.2* | 0.4 | | | | | | |
| 08034+2151 | COU164 | 2015.212 | 1 | 0.190 | 0.032 | 36.1* | 5.0 | | | | | | |
| 08034+2151 | COU164 | 2015.212 | 1 | 0.246 | 0.046 | 37.0* | 2.0 | | | | | | |
| 08038+4043 | A2469 | 2015.108 | 1 | 1.424 | 0.007 | 43.6* | 0.4 | | | | | | |
| 08038+4043 | A2469 | 2015.108 | 1 | 1.435 | 0.012 | 43.8* | 0.7 | | | | | | |
| 08055+4321 | A2470 | 2015.114 | 1 | 1.883 | 0.012 | 125.2* | 0.4 | | | | | | |
| 08055+4321 | A2470 | 2015.114 | 1 | 1.886 | 0.021 | 125.5* | 0.3 | | | | | | |
| 08056+2830 | MLB566 | 2015.182 | 1 | 1.944 | 0.025 | 165.1* | 0.3 | | | | | | |
| 08056+2830 | MLB566 | 2015.182 | 1 | 1.971 | 0.045 | 164.4* | 0.6 | | | | | | |
| 08065+2553 | A2541 | 2015.114 | 1 | 0.401 | 0.007 | 4.9* | 1.0 | | | | | | |
| 08065+2553 | A2541 | 2015.114 | 1 | 0.391 | 0.017 | 7.1* | 2.0 | | | | | | |
| 08070+3538 | COU1890 | 2015.182 | 1 | 0.846 | 0.015 | 12.4* | 0.9 | | | | | | |
| 08070+3538 | COU1890 | 2015.182 | 1 | 0.840 | 0.016 | 12.9* | 0.9 | | | | | | |
| 08076+4513 | ES591 | 2015.136 | 1 | 1.817 | 0.024 | 51.9* | 0.7 | | | | | | |
| 08076+4513 | ES591 | 2015.136 | 1 | 1.849 | 0.013 | 52.1* | 0.3 | | | | | | |
| 08077+4734 | COU2611 | 2015.108 | 1 | 0.528 | 0.018 | 137.3* | 2.1 | | | | | | |
| 08077+4734 | COU2611 | 2015.108 | 1 | 0.491 | 0.009 | 138.4* | 2.8 | | | | | | |
| 08086+4131 | HDS1160 | 2015.114 | 1 | 0.303 | 0.052 | 135.7 | 1.2 | | | | | | |
| 08086+4131 | HDS1160 | 2015.114 | 1 | 0.290 | 0.025 | 132.1 | 2.8 | | | | | | |
| 08087+2401 | POU2938 | 2014.237 | 1 | 3.026 | 0.015 | 29.9* | 0.3 | | | | | | |
| 08091+3714 | HU849 | 2015.130 | 1 | 1.230 | 0.007 | 283.6* | 0.3 | | | | | | |
| 08091+3714 | HU849 | 2015.130 | 1 | 1.235 | 0.007 | 283.6* | 0.3 | | | | | | |
| 08091+5119 | HU1248 | 2015.114 | 1 | 1.263 | 0.021 | 135.4* | 0.5 | | | | | | |
| 08091+5119 | HU1248 | 2015.114 | 1 | 1.251 | 0.086 | 132.2* | 7.6 | | | | | | |
| 08094+3734 | HU850 | 2015.130 | 1 | 0.513 | 0.019 | 346.2* | 0.9 | | | | | | |
| 08094+3734 | HU850 | 2015.130 | 1 | 0.518 | 0.012 | 346.4* | 0.5 | | | | | | |
| 08102+3527 | WSI100Aa,Ab | 2015.209 | 1 | — | — | — | — | | NR | | | | |
| 08113+4735 | HDS1169AB | 2015.209 | 1 | 1.252 | 0.013 | 16.4* | 0.6 | | | | | | |
| 08113+4735 | HDS1169AB | 2015.209 | 1 | 1.259 | 0.021 | 16.3* | 0.6 | | | | | | |
| 08121+4002 | COU2382 | 2015.108 | 1 | 0.399 | 0.011 | 180.0* | 2.6 | | | | | | |
| 08121+4002 | COU2382 | 2015.108 | 1 | 0.455 | 0.044 | 180.2* | 1.8 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 08122+1739 | STF1196AC | 2015.182 | 1 | 6.373 | 0.032 | 61.8* | 0.3 | | | | | | |
| 08122+1739 | STF1196AC | 2015.182 | 1 | 6.369 | 0.032 | 62.4 | 0.5 | | | | | | |
| 08122+1739 | STF1196AC | 2015.212 | 1 | 6.418 | 0.046 | 61.5 | 0.3 | | | | | | |
| 08122+1739 | STF1196AC | 2015.212 | 1 | 6.450 | 0.032 | 61.5 | 0.3 | | | | | | |
| 08122+1739 | STF1196AC | 2015.212 | 1 | 6.386 | 0.032 | 61.5* | 0.3 | | | | | | |
| 08122+1739 | STF1196BC | 2015.182 | 1 | 5.521 | 0.035 | 69.3 | 0.3 | | | | | | |
| 08122+1739 | STF1196BC | 2015.182 | 1 | 5.592 | 0.028 | 69.2 | 0.3 | | | | | | |
| 08122+1739 | STF1196BC | 2015.212 | 1 | 5.567 | 0.029 | 69.3 | 0.4 | | | | | | |
| 08122+1739 | STF1196AB | 2015.212 | 1 | 1.124 | 0.010 | 22.2 | 0.3 | | | Izm2019 | 0.02 | 1.9 | 1 |
| 08122+1739 | STF1196AB | 2015.212 | 1 | 1.148 | 0.008 | 21.6 | 0.3 | | | Izm2019 | 0.04 | 1.4 | 1 |
| 08122+1739 | STF1196AB | 2015.212 | 1 | 1.148 | 0.007 | 21.1* | 0.3 | | | Izm2019 | 0.04 | 1.4 | 1 |
| 08122+1739 | STF1196AB | 2015.182 | 1 | 1.156 | 0.020 | 22.4 | 1.3 | | | Izm2019 | 0.05 | 2.0 | 1 |
| 08122+1739 | STF1196AB | 2015.182 | 1 | 1.177 | 0.018 | 22.9* | 0.7 | | | Izm2019 | 0.07 | 2.5 | 1 |
| 08127+2613 | A2471 | 2015.136 | 1 | 0.341 | 0.007 | 61.2* | 1.7 | | | Lin2010c | 0.08 | 22.4 | 5 |
| 08127+2613 | A2471 | 2015.136 | 1 | 0.345 | 0.007 | 63.0* | 2.1 | | | Lin2010c | 0.09 | 24.2 | 5 |
| 08127+2933 | STF1197 | 2015.168 | 1 | 1.788 | 0.009 | 100.3* | 0.3 | | | | | | |
| 08127+2933 | STF1197 | 2015.168 | 1 | 1.787 | 0.012 | 100.2* | 0.3 | | | | | | |
| 08130+1547 | A2544 | 2015.130 | 1 | 1.339 | 0.007 | 308.6* | 0.3 | | | | | | |
| 08130+1547 | A2544 | 2015.130 | 1 | 1.334 | 0.007 | 308.5* | 0.3 | | | | | | |
| 08135+4545 | COU2612 | 2015.130 | 1 | 0.520 | 0.008 | 273.8* | 1.0 | | | | | | |
| 08135+4545 | COU2612 | 2015.130 | 1 | 0.524 | 0.008 | 273.9* | 0.8 | | | | | | |
| 08147+2022 | COU45 | 2015.182 | 1 | 0.981 | 0.021 | 85.7 | 1.1 | | | | | | |
| 08147+2022 | COU45 | 2015.182 | 1 | 0.979 | 0.039 | 85.3 | 1.0 | | | | | | |
| 08148+3630 | HU1123 | 2015.168 | 1 | 0.396 | 0.013 | 152.6* | 0.9 | | | | | | |
| 08148+3630 | HU1123 | 2015.168 | 1 | 0.397 | 0.007 | 153.4* | 1.4 | | | | | | |
| 08149+3535 | POP111 | 2015.130 | 1 | 0.870 | 0.009 | 49.5* | 1.0 | | | | | | |
| 08149+3535 | POP111 | 2015.130 | 1 | 0.856 | 0.007 | 50.2* | 0.3 | | | | | | |
| 08155+2124 | COU279 | 2015.212 | 1 | 0.154 | 0.013 | 110.3 | 6.3 | | | | | | |
| 08155+2124 | COU279 | 2015.212 | 1 | 0.187 | 0.009 | 117.5 | 3.4 | | | | | | |
| 08160+1842 | HO524AB | 2015.136 | 1 | 4.356 | 0.039 | 342.3 | 0.3 | | | | | | |
| 08160+1842 | HO524AB | 2015.136 | 1 | 4.345 | 0.035 | 342.4 | 0.3 | | | | | | |
| 08177+4710 | COU2613 | 2015.130 | 1 | 1.610 | 0.008 | 256.5* | 0.3 | | | | | | |
| 08177+4710 | COU2613 | 2015.130 | 1 | 1.604 | 0.011 | 256.7* | 0.3 | | | | | | |
| 08190+4927 | HU1124AB | 2015.212 | 1 | 6.172 | 0.031 | 35.0* | 0.3 | | | | | | |
| 08190+4927 | HU1124AB | 2015.212 | 1 | 6.174 | 0.031 | 35.0 | 0.3 | | | | | | |
| 08190+4927 | HDS1180Aa,Ab | 2015.212 | 1 | — | — | — | — | | | NR | | | |
| 08193+4052 | A2362 | 2015.182 | 1 | 0.605 | 0.013 | 171.1* | 1.1 | | | | | | |
| 08193+4052 | A2362 | 2015.182 | 1 | 0.615 | 0.012 | 170.8* | 1.3 | | | | | | |
| 08202+1700 | STF1214A,BD | 2015.130 | 1 | 5.156 | 0.027 | 359.8 | 0.3 | | | NDp | | | |
| 08202+1700 | STF1214A,BD | 2015.130 | 1 | 5.145 | 0.026 | 359.7* | 0.3 | | | NDp | | | |
| 08202+1700 | STF1214A,BC | 2015.130 | 1 | 4.480 | 0.022 | 1.2 | 0.3 | | | | | | |
| 08202+1700 | STF1214A,BC | 2015.130 | 1 | 4.469 | 0.022 | 1.5 | 0.3 | | | | | | |
| 08202+1700 | BU1320BC | 2015.130 | 1 | 0.738 | 0.049 | 169.9 | 5.4 | 0.00 | | | | | |
| 08202+1700 | BU1320BC | 2015.130 | 1 | 0.789 | 0.035 | 169.9 | 0.7 | | | | | | |
| 08211+4725 | HU224AB | 2015.182 | 1 | 4.046 | 0.029 | 132.5 | 0.3 | | | | | | |
| 08211+4725 | A1745Ca,Cb | 2015.130 | 1 | 0.635 | 0.010 | 296.4* | 0.8 | | | Hei1979b | 0.06 | -7.6 | 5 |
| 08211+4725 | A1745Ca,Cb | 2015.130 | 1 | 0.645 | 0.009 | 296.2* | 0.4 | | | Hei1979b | 0.07 | -7.8 | 5 |
| 08215+4012 | A2363 | 2015.209 | 1 | 1.384 | 0.015 | 343.8* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 08215+4012 | A2363 | 2015.209 | 1 | 1.404 | 0.018 | 342.8* | 0.7 | | | | | | |
| 08216+3356 | BU576 | 2015.250 | 1 | 1.577 | 0.011 | 133.8 | 0.3 | | | | | | |
| 08216+3356 | BU576 | 2015.250 | 1 | 1.570 | 0.015 | 132.9 | 1.1 | | | | | | |
| 08219+4315 | A2364 | 2015.168 | 1 | 0.527 | 0.024 | 197.1* | 1.7 | | | | | | |
| 08219+4315 | A2364 | 2015.168 | 1 | 0.521 | 0.017 | 199.8* | 1.7 | | | | | | |
| 08219+5021 | HU1250 | 2015.209 | 1 | 0.554 | 0.017 | 149.8* | 0.3 | | | | | | |
| 08219+5021 | HU1250 | 2015.209 | 1 | 0.588 | 0.019 | 148.3 | 0.7 | | | | | | |
| 08222+2416 | POU2953 | 2014.183 | 2 | 7.721 | 0.308 | 70.7 | 0.3 | | | | | | |
| 08222+2416 | POU2953 | 2014.183 | 2 | 7.145 | 0.326 | 69.3 | 1.9 | | | | | | |
| 08230+3002 | A547 | 2015.209 | 1 | 1.850 | 0.024 | 242.2* | 0.3 | | | | | | |
| 08230+3002 | A547 | 2015.209 | 1 | 1.878 | 0.012 | 242.1* | 0.4 | | | | | | |
| 08231+2001 | HO525AB | 2015.212 | 1 | 0.466 | 0.009 | 170.9* | 0.7 | | | | | | |
| 08231+2001 | HO525AB | 2015.212 | 1 | 0.454 | 0.010 | 170.7* | 1.2 | | | | | | |
| 08234+4806 | COU2683 | 2015.182 | 1 | 0.277 | 0.012 | 29.5 | 1.6 | | | | | | |
| 08234+4806 | COU2683 | 2015.182 | 1 | 0.264 | 0.025 | 28.6 | 1.4 | | | | | | |
| 08247+4200 | HDS1197BC | 2015.209 | 1 | 0.188 | 0.012 | 88.5* | 3.5 | | | | | | |
| 08267+2432 | STF1224A,BC | 2015.182 | 1 | 5.708 | 0.029 | 51.8* | 0.3 | | | | | | |
| 08267+2432 | STF1224A,BC | 2015.182 | 1 | 5.684 | 0.028 | 51.7 | 0.3 | | | | | | |
| 08303+4022 | COU2497 | 2015.209 | 1 | 0.535 | 0.047 | 258.6* | 1.1 | | | | | | |
| 08303+4022 | COU2497 | 2015.209 | 1 | 0.542 | 0.008 | 257.8* | 2.1 | | | | | | |
| 08303+4557 | A1747 | 2015.182 | 1 | 0.900 | 0.007 | 46.3* | 0.5 | | | | | | |
| 08303+4557 | A1747 | 2015.182 | 1 | 0.909 | 0.008 | 45.9* | 1.4 | | | | | | |
| 08307+4645 | COU2684AB | 2015.250 | 1 | 1.232 | 0.007 | 338.4 | 0.8 | | | | | | |
| 08307+4645 | COU2684AB | 2015.250 | 1 | 1.222 | 0.025 | 337.8 | 0.5 | | | | | | |
| 08310+4012 | SKF207 | 2015.212 | 2 | 2.043 | 0.396 | 117.8* | 7.4 | | | | | | |
| 08310+4012 | SKF207 | 2015.212 | 2 | 2.006 | 0.112 | 121.5* | 4.1 | | | | | | |
| 08320+4708 | COU2614 | 2015.182 | 1 | 0.829 | 0.049 | 223.3* | 2.8 | | | | | | |
| 08320+4708 | COU2614 | 2015.182 | 1 | 0.843 | 0.022 | 224.4* | 2.2 | | | | | | |
| 08347+5009 | HDS1230 | 2015.209 | 1 | 0.596 | 0.007 | 221.8* | 0.4 | | | | | | |
| 08364+2441 | SKF690AB | 2015.212 | 2 | 1.752 | 0.058 | 357.5* | 1.7 | | | | | | |
| 08364+2441 | SKF690AB | 2015.212 | 2 | 1.813 | 0.059 | 357.5* | 0.7 | | | | | | |
| 08399+1933 | CHR156Da,Db | 2015.209 | 1 | 0.590 | 0.008 | 242.6* | 0.8 | | | | | | |
| 08399+1933 | CHR156Da,Db | 2015.209 | 1 | 0.631 | 0.007 | 243.4* | 0.5 | | | | | | |
| 08408+4148 | A2129 | 2015.182 | 1 | 0.887 | 0.013 | 119.2* | 0.5 | | | | | | |
| 08408+4148 | A2129 | 2015.182 | 1 | 0.923 | 0.026 | 119.3* | 0.4 | | | | | | |
| 08409+2650 | COU1116 | 2015.250 | 1 | 0.833 | 0.034 | 126.9* | 2.3 | 0.70 | | | | | |
| 08409+2650 | COU1116 | 2015.250 | 1 | 0.865 | 0.035 | 125.6* | 1.3 | | | | | | |
| 08413+2029 | BU585 | 2015.267 | 1 | 0.301 | 0.025 | 71.3 | 1.5 | | | | | | |
| 08413+2029 | BU585 | 2015.267 | 1 | 0.313 | 0.007 | 71.8* | 1.0 | | | | | | |
| 08423+2002 | COU382 | 2015.267 | 1 | 0.308 | 0.010 | 355.3* | 1.1 | | | Ling2023 | -0.02 | 3.1 | 5 |
| 08423+2002 | COU382 | 2015.267 | 1 | 0.335 | 0.007 | 354.6* | 0.5 | | | Lin2023 | 0.01 | 2.4 | 5 |
| 08425+3656 | COU2082 | 2015.250 | 1 | 0.422 | 0.046 | 206.8* | 2.7 | 0.40 | | | | | |
| 08425+3656 | COU2082 | 2015.250 | 1 | 0.482 | 0.007 | 205.3* | 0.3 | | | | | | |
| 08430+2020 | BOV51 | 2015.212 | 1 | — | — | — | — | | NR | | | | |
| 08439+4403 | A1752 | 2015.209 | 1 | 0.342 | 0.007 | 253.9* | 0.9 | | | | | | |
| 08439+4403 | A1752 | 2015.209 | 1 | 0.317 | 0.042 | 255.1* | 2.1 | | | | | | |
| 08439+4403 | A1752 | 2015.209 | 1 | 0.304 | 0.026 | 256.1 | 1.2 | | | | | | |
| 08444+1555 | A2472 | 2015.267 | 1 | 0.844 | 0.015 | 261.4* | 0.4 | | | | | | |
| 08444+1555 | A2472 | 2015.267 | 1 | 0.818 | 0.007 | 262.0* | 0.3 | 0.20 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 08457+4505 | A1753 | 2015.182 | 1 | 0.725 | 0.025 | 88.4* | 4.7 | | | | | | |
| 08457+4505 | A1753 | 2015.182 | 1 | 0.712 | 0.038 | 88.4* | 2.8 | | | | | | |
| 08507+1800 | A2473 | 2015.209 | 1 | 0.190 | 0.030 | 94.9* | 1.3 | | | Doc2016d | -0.00 | -0.4 | 3 |
| 08507+1800 | A2473 | 2015.209 | 1 | 0.213 | 0.007 | 94.0 | 3.1 | | | Doc2016d | 0.02 | -1.3 | 3 |
| 08510+3124 | HO40AB | 2015.270 | 1 | 0.851 | 0.010 | 278.4* | 1.2 | | | | | | |
| 08510+3124 | HO40AB | 2015.270 | 1 | 0.866 | 0.011 | 280.4* | 1.3 | | | | | | |
| 08514+2105 | COU588 | 2015.267 | 1 | 0.379 | 0.016 | 334.1* | 1.0 | | | | | | |
| 08514+2105 | COU588 | 2015.267 | 1 | 0.390 | 0.007 | 333.5* | 0.3 | | | | | | |
| 08526+4212 | COU2618 | 2015.267 | 1 | 0.365 | 0.011 | 338.9* | 1.1 | 0.40 | | | | | |
| 08526+4212 | COU2618 | 2015.267 | 1 | 0.348 | 0.007 | 340.6* | 0.3 | | | | | | |
| 08542+3504 | COU1894 | 2015.212 | 1 | 0.728 | 0.013 | 281.0* | 0.8 | | | | | | |
| 08542+3504 | COU1894 | 2015.212 | 1 | 0.732 | 0.012 | 281.1* | 0.5 | | | | | | |
| 08557+4141 | A2132 | 2015.212 | 1 | 0.149 | 0.010 | 232.9 | 7.0 | | | | | | |
| 08557+4141 | A2132 | 2015.212 | 1 | 0.156 | 0.042 | 227.8 | 7.9 | | | | | | |
| 08561+3626 | HDS1291 | 2015.251 | 1 | 0.799 | 0.007 | 161.0* | 0.3 | | | | | | |
| 08563+4745 | HDS1292 | 2015.083 | 1 | 0.151 | 0.040 | 145.0 | 8.0 | | | | | | |
| 08566+4304 | ES1390 | 2015.251 | 1 | 1.606 | 0.021 | 11.6* | 1.0 | 0.10 | | | | | |
| 08566+4304 | ES1390 | 2015.251 | 1 | 1.582 | 0.021 | 11.5* | 1.3 | | | | | | |
| 08570+3715 | HU859 | 2015.267 | 1 | 0.417 | 0.018 | 178.0* | 1.0 | | | | | | |
| 08570+3715 | HU859 | 2015.267 | 1 | 0.415 | 0.007 | 177.2* | 0.3 | | | | | | |
| 08589+4607 | COU2685 | 2015.267 | 1 | 1.149 | 0.013 | 202.4* | 0.7 | | | | | | |
| 08589+4607 | COU2685 | 2015.267 | 1 | 1.135 | 0.007 | 201.6* | 0.3 | | | | | | |
| 08592+4803 | HU628BC | 2015.251 | 1 | — | — | — | — | | NR | | | | |
| 09033+4740 | HU720 | 2015.267 | 1 | 0.768 | 0.010 | 133.0* | 0.4 | | | | | | |
| 09033+4740 | HU720 | 2015.267 | 1 | 0.771 | 0.008 | 132.3* | 0.4 | | | | | | |
| 09037+4531 | COU2686 | 2015.270 | 1 | 0.436 | 0.007 | 100.1* | 0.7 | | | | | | |
| 09037+4531 | COU2686 | 2015.270 | 1 | 0.411 | 0.038 | 100.5* | 2.2 | | | | | | |
| 09058+3607 | HU865 | 2015.270 | 1 | 0.487 | 0.012 | 348.1* | 0.7 | | | | | | |
| 09058+3607 | HU865 | 2015.270 | 1 | 0.491 | 0.007 | 348.4* | 0.3 | 0.50 | | | | | |
| 09062+3314 | COU1560AC | 2015.267 | 1 | 1.387 | 0.015 | 295.6 | 0.4 | | | NDp | | | |
| 09062+3314 | COU1560AC | 2015.267 | 1 | 1.395 | 0.027 | 295.3 | 0.6 | | | NDp | | | |
| 09062+3314 | COU1560AB | 2015.267 | 1 | 1.099 | 0.008 | 304.0* | 0.4 | | | | | | |
| 09062+3314 | COU1560AB | 2015.267 | 1 | 1.092 | 0.010 | 303.4 | 0.3 | | | | | | |
| 09062+3314 | COU1560AB | 2015.267 | 1 | 1.100 | 0.010 | 304.1 | 0.3 | | | | | | |
| 09062+3314 | GII37Ba,Bb | 2015.267 | 1 | 0.308 | 0.007 | 88.8* | 0.3 | | | | | | |
| 09067+5038 | HU722 | 2015.251 | 1 | 0.520 | 0.008 | 56.2* | 1.0 | | | | | | |
| 09067+5038 | HU722 | 2015.251 | 1 | 0.519 | 0.009 | 56.5* | 0.9 | | | | | | |
| 09068+4707 | COU2687 | 2015.267 | 1 | — | — | — | — | | NR | | | | |
| 09083+4211 | A1976 | 2015.270 | 1 | 0.424 | 0.010 | 257.6* | 2.3 | | | | | | |
| 09083+4211 | A1976 | 2015.270 | 1 | 0.437 | 0.019 | 259.5* | 2.2 | 0.50 | | | | | |
| 09095+0256 | STT197Aa,Ab | 2015.168 | 1 | 0.475 | 0.033 | 336.0* | 1.0 | | | NDg | | | |
| 09095+0256 | STT197Aa,Ab | 2015.168 | 1 | 0.447 | 0.017 | 334.5* | 1.3 | | | NDg | | | |
| 09120+4531 | YSC91AB | 2015.212 | 1 | 0.692 | 0.008 | 300.1* | 0.5 | | | | | | |
| 09120+4531 | YSC91AB | 2015.212 | 1 | 0.728 | 0.013 | 301.8* | 1.3 | | | | | | |
| 09120+4531 | YSC91AB | 2015.270 | 1 | 0.746 | 0.014 | 303.0 | 0.3 | | | | | | |
| 09120+4531 | YSC91AB | 2015.270 | 1 | 0.713 | 0.031 | 302.4 | 2.6 | | | | | | |
| 09120+4531 | YSC91Aa,Ab | 2015.212 | 1 | 0.355 | 0.015 | 221.9* | 1.1 | | | NDp | | | |
| 09120+4531 | YSC91Aa,Ab | 2015.212 | 1 | 0.360 | 0.010 | 219.5* | 1.0 | | | NDp | | | |
| 09120+4531 | YSC91Aa,Ab | 2015.270 | 1 | 0.355 | 0.007 | 217.1 | 1.6 | | | NDp | | | |
| 09120+4531 | YSC91Aa,Ab | 2015.270 | 1 | 0.364 | 0.021 | 217.2 | 0.6 | | | NDp | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|-------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 09124+3621 | ES296BC | 2015.212 | 1 | 1.425 | 0.011 | 228.6* | 0.6 | | | | | | |
| 09124+3621 | ES296BC | 2015.212 | 1 | 1.446 | 0.016 | 228.6* | 0.6 | | | | | | |
| 09154+2346 | A1979 | 2015.270 | 1 | 0.162 | 0.022 | 155.9* | 5.9 | | | | | | |
| 09154+2346 | A1979 | 2015.270 | 1 | 0.151 | 0.028 | 149.4* | 2.3 | | | | | | |
| 09159+2431 | A1980AB | 2015.281 | 1 | 1.587 | 0.008 | 230.5* | 0.3 | | | | | | |
| 09159+2431 | A1980AB | 2015.281 | 1 | 1.589 | 0.008 | 230.9 | 0.6 | | | | | | |
| 09159+2431 | COU934Aa,Ab | 2015.281 | 1 | 0.128 | 0.013 | 206.7 | 2.5 | | | | | | |
| 09159+2431 | COU934Aa,Ab | 2015.281 | 1 | 0.152 | 0.023 | 207.0 | 2.7 | | | | | | |
| 09159+2431 | COU934AB | 2015.281 | 1 | 1.572 | 0.010 | 230.6 | 0.6 | | | | | | |
| 09159+2431 | COU934AB | 2015.281 | 1 | 1.578 | 0.026 | 231.2 | 0.7 | | | | | | |
| 09162+4540 | COU2688 | 2015.267 | 1 | 0.413 | 0.007 | 232.9* | 1.8 | 0.10 | | | | | |
| 09162+4540 | COU2688 | 2015.267 | 1 | 0.407 | 0.007 | 232.6* | 0.3 | | | | | | |
| 09171+4040 | A1981 | 2015.283 | 1 | 0.211 | 0.048 | 346.8* | 1.8 | | | | | | |
| 09171+4040 | A1981 | 2015.283 | 1 | 0.266 | 0.057 | 342.6* | 1.7 | | | | | | |
| 09183+1847 | COU384 | 2015.267 | 1 | 0.192 | 0.024 | 58.2* | 5.7 | | | BAE2021 | -0.00 | -1.3 ^Q | 3 |
| 09183+1847 | COU384 | 2015.267 | 1 | 0.142 | 0.018 | 58.2* | 2.9 | | | BAE2021 | -0.05 | -1.3 ^Q | 3 |
| 09186+2049 | HO43 | 2015.251 | 1 | 0.609 | 0.013 | 96.8* | 0.3 | | | Tok2016e | 0.00 | -0.5 | 4 |
| 09186+2049 | HO43 | 2015.251 | 1 | 0.593 | 0.011 | 97.7* | 0.9 | 0.40 | | Tok2016e | -0.01 | 0.4 | 4 |
| 09186+2944 | A221Ba,Bb | 2015.270 | 1 | 0.136 | 0.018 | 43.0 | 5.6 | | | Tok2019 | -0.03 | 12.9 | |
| 09186+2944 | A221Ba,Bb | 2015.270 | 1 | 0.177 | 0.020 | 37.7 | 1.7 | | | Tok2019 | 0.01 | 7.6 | |
| 09210+3643 | STF1339 | 2015.251 | 1 | 1.469 | 0.007 | 65.4* | 0.5 | | | | | | |
| 09210+3643 | STF1339 | 2015.251 | 1 | 1.485 | 0.010 | 64.8* | 0.6 | 1.40 | | | | | |
| 09210+3811 | STF1338AB | 2015.212 | 1 | 1.114 | 0.008 | 308.1* | 0.8 | | | Sca2023a | -0.02 | -0.6 | 3 |
| 09210+3811 | STF1338AB | 2015.212 | 1 | 1.114 | 0.010 | 308.9* | 0.4 | | | Sca2023a | -0.02 | 0.2 | 3 |
| 09224+4616 | A1758 | 2015.270 | 1 | 0.581 | 0.019 | 307.5* | 1.0 | 0.20 | | | | | |
| 09224+4616 | A1758 | 2015.270 | 1 | 0.576 | 0.041 | 308.6* | 1.7 | | | | | | |
| 09239+2754 | STT201AB | 2015.251 | 1 | 1.273 | 0.022 | 204.1* | 0.7 | 1.40 | | PkO2018 | 0.04 | -0.5 | |
| 09239+2754 | STT201AB | 2015.251 | 1 | 1.263 | 0.007 | 204.8* | 0.4 | | | PkO2018 | 0.03 | 0.2 | |
| 09239+2754 | STT201AB | 2015.281 | 1 | 1.258 | 0.007 | 205.3* | 0.3 | | | PkO2018 | 0.02 | 0.7 | |
| 09239+2754 | STT201AB | 2015.281 | 1 | 1.256 | 0.007 | 205.3* | 0.3 | | | PkO2018 | 0.02 | 0.7 | |
| 09245+1808 | A2477 | 2015.212 | 1 | 0.453 | 0.007 | 5.1* | 1.6 | | | FMR2014a | 0.02 | 0.9 | 4 |
| 09245+1808 | A2477 | 2015.212 | 1 | 0.451 | 0.011 | 5.9* | 1.8 | | | FMR2014a | 0.02 | 1.7 | 4 |
| 09260+1854 | COU935 | 2015.281 | 1 | 0.880 | 0.007 | 239.8* | 0.4 | | | | | | |
| 09260+1854 | COU935 | 2015.281 | 1 | 0.873 | 0.007 | 240.2* | 0.3 | | | | | | |
| 09267+3855 | COU1898 | 2015.283 | 1 | 1.694 | 0.018 | 164.6* | 0.5 | | | | | | |
| 09267+3855 | COU1898 | 2015.283 | 1 | 1.701 | 0.010 | 164.6* | 0.6 | | | | | | |
| 09277+4456 | A1762 | 2015.209 | 1 | 0.774 | 0.007 | 105.8* | 0.3 | | | | | | |
| 09277+4456 | A1762 | 2015.209 | 1 | 0.790 | 0.010 | 106.5* | 0.3 | | | | | | |
| 09279+3128 | HO366AB | 2015.270 | 1 | 0.166 | 0.047 | 222.2 | 5.6 | | | Zirm2010 | -0.021 | -51.0 ^Q | 4 |
| 09279+3128 | HO366AB | 2015.270 | 1 | 0.186 | 0.021 | 224.8 | 4.3 | | | Zirm2010 | 0.007 | -49.6 ^Q | 4 |
| 09282+2811 | COU1121 | 2015.283 | 1 | 0.951 | 0.007 | 34.6* | 0.7 | | | | | | |
| 09282+2811 | COU1121 | 2015.283 | 1 | 0.935 | 0.015 | 34.6* | 0.3 | | | | | | |
| 09305+1516 | HEI151AB | 2015.267 | 1 | 0.156 | 0.050 | 97.9 | 2.5 | | | | | | |
| 09305+1516 | HEI151AB | 2015.267 | 1 | 0.151 | 0.054 | 95.9 | 1.6 | | | | | | |
| 09307+4604 | A1764 | 2015.212 | 1 | — | — | — | — | | NR | | | | |
| 09311+3417 | COU1564 | 2015.267 | 1 | 0.875 | 0.007 | 100.8 | 0.3 | | | | | | |
| 09311+3417 | COU1564 | 2015.267 | 1 | 0.872 | 0.019 | 101.0 | 0.4 | | | | | | |
| 09321+2347 | HDS1372 | 2015.270 | 1 | 0.539 | 0.007 | 46.0* | 0.7 | | | | | | |
| 09327+1549 | HEI152 | 2015.281 | 2 | 0.726 | 0.018 | 172.8* | 0.6 | 0.75 | | | | | |
| 09327+1549 | HEI152 | 2015.281 | 2 | 0.750 | 0.018 | 172.6* | 0.9 | | | | | | |
| 09336+3510 | ES300 | 2015.209 | 1 | 1.972 | 0.010 | 138.9* | 0.3 | | | | | | |
| 09336+3510 | ES300 | 2015.209 | 1 | 1.983 | 0.011 | 138.3* | 0.6 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 09338+3231 | COU1415 | 2015.212 | 1 | 0.110 | 0.043 | 119.3 | 7.6 | | | | | | |
| 09338+3231 | COU1415 | 2015.212 | 1 | 0.176 | 0.017 | 123.2 | 6.9 | | | | | | |
| 09338+3634 | HU1127 | 2015.270 | 1 | 0.372 | 0.007 | 30.0* | 0.5 | | | | | | |
| 09338+3634 | HU1127 | 2015.270 | 1 | 0.357 | 0.007 | 29.1* | 1.4 | 0.70 | | | | | |
| 09349+2152 | COU282 | 2015.281 | 1 | 1.162 | 0.024 | 301.0* | 0.6 | 0.96 | | | | | |
| 09349+2152 | COU282 | 2015.281 | 1 | 1.173 | 0.012 | 300.9* | 0.3 | | | | | | |
| 09364+1856 | COU386AB | 2015.212 | 1 | 0.810 | 0.015 | 231.2* | 0.8 | | | | | | |
| 09364+1856 | COU386AB | 2015.212 | 1 | 0.816 | 0.017 | 232.1* | 0.7 | | | | | | |
| 09371+1614 | STF1372AB | 2015.212 | 1 | 0.331 | 0.016 | 248.6* | 1.8 | | | Alz2005a | 0.01 | -2.4 | 3 |
| 09371+1614 | STF1372AB | 2015.212 | 1 | 0.329 | 0.018 | 247.8 | 1.9 | | | Alz2005a | 0.01 | -3.2 | 3 |
| 09375+2838 | HDS1385 | 2015.267 | 1 | 1.421 | 0.007 | 89.5* | 0.3 | 0.40 | | | | | |
| 09378+4800 | HDS1386 | 2015.209 | 1 | 0.795 | 0.010 | 358.9* | 0.4 | | | | | | |
| 09379+4554 | A1765 | 2015.212 | 1 | 0.170 | 0.010 | 143.3* | 2.0 | | | Doc2012a | 0.01 | -16.9 ^Q | 3 |
| 09379+4554 | A1765 | 2015.212 | 1 | 0.118 | 0.020 | 147.5 | 1.9 | | | Doc2012a | -0.04 | -12.7 ^Q | 3 |
| 09390+3017 | COU1254Ba,Bb | 2015.251 | 1 | 0.542 | 0.018 | 89.8* | 0.6 | 0.60 | | | | | |
| 09390+3017 | COU1254Ba,Bb | 2015.251 | 1 | 0.556 | 0.007 | 89.4* | 0.3 | | | | | | |
| 09398+4135 | A2051 | 2015.209 | 2 | 0.156 | 0.007 | 247.2* | 3.4 | | | | | | |
| 09398+4135 | A2051 | 2015.209 | 2 | 0.151 | 0.010 | 246.8* | 2.5 | | | | | | |
| 09411+1756 | A2480 | 2015.283 | 1 | 1.161 | 0.007 | 338.8* | 0.3 | | | | | | |
| 09411+1756 | A2480 | 2015.251 | 1 | 1.165 | 0.007 | 339.2* | 0.3 | | | | | | |
| 09421+3416 | COU1566 | 2015.281 | 1 | 0.486 | 0.007 | 73.2* | 0.8 | | | | | | |
| 09421+3416 | COU1566 | 2015.281 | 1 | 0.491 | 0.007 | 73.5* | 0.9 | 0.15 | | | | | |
| 09421+3915 | HU1252 | 2015.281 | 1 | 0.570 | 0.013 | 172.0* | 1.3 | | | | | | |
| 09421+3915 | HU1252 | 2015.281 | 1 | 0.570 | 0.007 | 172.1* | 0.6 | | | | | | |
| 09427+4826 | HDS1399 | 2015.209 | 1 | — | — | — | — | | NR | | | | |
| 09429+5035 | HU629 | 2015.283 | 1 | 0.311 | 0.007 | 204.5* | 0.3 | | | | | | |
| 09429+5035 | HU629 | 2015.283 | 1 | 0.314 | 0.007 | 204.7* | 0.4 | | | | | | |
| 09444+4429 | HDS1405 | 2015.212 | 1 | 1.292 | 0.007 | 79.7* | 0.3 | | | | | | |
| 09452+4109 | COU2085Aa,Ab | 2015.270 | 1 | 0.108 | 0.022 | 203.5 | 3.6 | | | | | | |
| 09452+4109 | COU2085Aa,Ab | 2015.270 | 1 | 0.125 | 0.028 | 200.8 | 4.4 | | | | | | |
| 09477+2036 | COU284 | 2015.209 | 1 | 0.131 | 0.023 | 145.4 | 6.7 | | | Doc2019c | 0.04 | -33.0 | 4 |
| 09477+2036 | COU284 | 2015.209 | 1 | 0.138 | 0.015 | 152.9 | 7.4 | | | Doc2019c | 0.04 | -25.5 | 4 |
| 09477+2036 | COU284 | 2015.209 | 1 | 0.113 | 0.017 | 144.6 | 7.6 | | | Doc2019c | 0.02 | -34.0 | 4 |
| 09477+2036 | COU284 | 2015.209 | 1 | 0.145 | 0.041 | 142.6 | 1.4 | | | Doc2019c | 0.05 | -36.0 | 4 |
| 09487+5217 | MLR676 | 2015.302 | 1 | 0.246 | 0.007 | 205.9* | 0.5 | 0.24 | | | | | |
| 09487+5217 | MLR676 | 2015.302 | 1 | 0.249 | 0.007 | 206.4* | 0.4 | | | | | | |
| 09498+2111 | KUI44AB | 2015.281 | 1 | 0.168 | 0.011 | 41.0 | 2.2 | | | Tam2006b | 0.01 | -8.0 ^Q | 3 |
| 09498+5254 | MLR677 | 2015.302 | 1 | — | — | — | — | | NR | | | | |
| 09502+5706 | MLR568 | 2015.302 | 1 | 0.563 | 0.020 | 236.0* | 0.9 | 0.40 | | | | | |
| 09502+5706 | MLR568 | 2015.302 | 1 | 0.581 | 0.007 | 235.4* | 1.2 | | | | | | |
| 09504+4245 | ES1244 | 2015.281 | 1 | 2.122 | 0.011 | 240.0* | 0.3 | 1.99 | | | | | |
| 09506+3331 | COU1568 | 2015.209 | 1 | 0.574 | 0.035 | 347.6 | 2.9 | | | | | | |
| 09506+3331 | COU1568 | 2015.209 | 1 | 0.572 | 0.018 | 346.2* | 0.5 | | | | | | |
| 09512+3629 | HO369AB | 2015.212 | 1 | 0.302 | 0.010 | 108.7* | 1.6 | | | Alz2020c | -0.04 | 2.6 | 4 |
| 09512+3629 | HO369AB | 2015.212 | 1 | 0.302 | 0.024 | 106.4 | 1.0 | | | Alz2020c | -0.04 | 2.6 | 4 |
| 09517+2617 | COU1122 | 2015.270 | 1 | 0.976 | 0.007 | 87.5* | 0.3 | | | | | | |
| 09517+2617 | COU1122 | 2015.270 | 1 | 0.972 | 0.009 | 88.0* | 0.6 | | | | | | |
| 09521+2916 | A344 | 2015.267 | 1 | 0.655 | 0.007 | 70.0* | 0.4 | | | | | | |
| 09521+2916 | A344 | 2015.267 | 1 | 0.655 | 0.007 | 70.1* | 0.9 | 1.50 | | | | | |
| 09530+2638 | COU1123AC | 2015.281 | 1 | 2.115 | 0.011 | 60.0 | 0.3 | | NDp | | | | |
| 09530+2638 | COU1123AC | 2015.281 | 1 | 2.127 | 0.015 | 60.1 | 0.3 | | NDp | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 09530+2638 | COU1123AB | 2015.281 | 1 | 0.443 | 0.007 | 77.1* | 0.9 | 0.04 | | | | | |
| 09530+2638 | COU1123AB | 2015.281 | 1 | 0.441 | 0.013 | 76.9* | 1.2 | | | | | | |
| 09531+3920 | A2140 | 2015.300 | 1 | 0.958 | 0.015 | 65.2* | 0.9 | | | | | | |
| 09531+3920 | A2140 | 2015.300 | 1 | 0.956 | 0.013 | 65.4* | 0.3 | | | | | | |
| 09533+3017 | COU1257AB | 2015.209 | 1 | 0.373 | 0.018 | 155.0 | 0.5 | | | | | | |
| 09533+3017 | COU1257AB | 2015.209 | 1 | 0.365 | 0.007 | 155.0* | 0.5 | | | | | | |
| 09542+2612 | COU1124 | 2015.270 | 1 | 0.575 | 0.019 | 294.7* | 2.2 | | | | | | |
| 09542+2612 | COU1124 | 2015.270 | 1 | 0.574 | 0.024 | 294.4* | 1.7 | | | | | | |
| 09566+4359 | POP151 | 2015.212 | 1 | 0.493 | 0.007 | 86.4 | 1.6 | | | | | | |
| 09566+4359 | POP151 | 2015.212 | 1 | 0.494 | 0.010 | 85.7 | 0.4 | | | | | | |
| 09580+6016 | MLR117 | 2015.302 | 1 | 0.472 | 0.007 | 305.4* | 0.3 | | | | | | |
| 09580+6016 | MLR117 | 2015.302 | 1 | 0.449 | 0.023 | 307.1* | 1.1 | 0.82 | | | | | |
| 09584+4045 | HDS1437 | 2015.281 | 1 | 0.175 | 0.016 | 47.8 | 1.3 | | | | | | |
| 09588+4309 | WNO8AB | 2015.283 | 1 | 1.263 | 0.116 | 95.7 | 1.6 | | | | | | |
| 09588+4309 | WNO8AB | 2015.283 | 1 | 1.270 | 0.039 | 95.4 | 1.0 | | | | | | |
| 09591+5316 | A1346 | 2015.302 | 1 | 0.586 | 0.013 | 179.9* | 0.8 | | | Hrt2009 | -0.00 | 0.4 | 4 |
| 09591+5316 | A1346 | 2015.302 | 1 | 0.586 | 0.015 | 180.4* | 0.8 | | | Hrt2009 | -0.00 | 0.4 | 4 |
| 09599+1610 | A2482 | 2015.300 | 1 | 0.793 | 0.007 | 39.3* | 0.5 | | | | | | |
| 09599+1610 | A2482 | 2015.300 | 1 | 0.781 | 0.007 | 39.8* | 0.5 | | | | | | |
| 10006+1611 | COU6 | 2015.300 | 1 | 1.258 | 0.008 | 281.7* | 0.4 | | | | | | |
| 10006+1611 | COU6 | 2015.300 | 1 | 1.247 | 0.018 | 281.8* | 0.7 | 1.96 | | | | | |
| 10007+4904 | HDS1445 | 2015.212 | 1 | 0.214 | 0.013 | 172.0 | 0.8 | | | | | | |
| 10023+4940 | HU725 | 2015.283 | 1 | 0.689 | 0.011 | 152.5* | 0.5 | | | | | | |
| 10023+4940 | HU725 | 2015.283 | 1 | 0.691 | 0.009 | 151.1* | 0.7 | | | | | | |
| 10028+4953 | HDS1450Aa,Ab | 2015.283 | 1 | 0.729 | 0.007 | 95.8* | 0.3 | | | | | | |
| 10034+5732 | A1347 | 2015.302 | 1 | 0.372 | 0.013 | 32.4* | 1.1 | | | | | | |
| 10034+5732 | A1347 | 2015.302 | 1 | 0.389 | 0.007 | 33.1* | 1.5 | | | | | | |
| 10039+4027 | COU2385 | 2015.281 | 1 | 0.962 | 0.020 | 319.4* | 0.5 | | | | | | |
| 10039+4027 | COU2385 | 2015.281 | 1 | 0.995 | 0.007 | 318.9* | 0.3 | | | | | | |
| 10040+2521 | COU589 | 2015.267 | 1 | 0.422 | 0.007 | 72.5* | 4.9 | | | | | | |
| 10040+2521 | COU589 | 2015.267 | 1 | 0.435 | 0.007 | 72.3* | 1.5 | 0.20 | | | | | |
| 10040+3239 | HU631 | 2015.300 | 1 | 0.828 | 0.010 | 255.7* | 1.1 | | | | | | |
| 10040+3239 | HU631 | 2015.300 | 1 | 0.830 | 0.007 | 255.4* | 0.6 | | | | | | |
| 10054+5957 | MLR142 | 2015.302 | 1 | 0.304 | 0.033 | 58.7* | 1.5 | | | | | | |
| 10054+5957 | MLR142 | 2015.302 | 1 | 0.274 | 0.038 | 59.9* | 2.5 | 0.27 | | | | | |
| 10056+3105 | STF1406 | 2015.300 | 1 | 0.801 | 0.017 | 218.1* | 0.6 | 3.32 | | | | | |
| 10056+3105 | STF1406 | 2015.300 | 1 | 0.795 | 0.010 | 217.8* | 0.3 | | | | | | |
| 10057+4103 | A2142 | 2015.209 | 1 | 1.038 | 0.013 | 295.9* | 0.6 | | | | | | |
| 10057+4103 | A2142 | 2015.209 | 1 | 1.048 | 0.007 | 295.9* | 0.7 | | | | | | |
| 10059+3412 | COU1569 | 2015.209 | 1 | 0.151 | 0.007 | 104.3 | 1.9 | | | Doc2006i | 0.05 | -4.1 ^Q | 5 |
| 10059+3412 | COU1569 | 2015.209 | 1 | 0.131 | 0.018 | 109.2 | 4.8 | | | Doc2006i | 0.03 | 0.8 ^Q | 5 |
| 10063+7418 | MLR422AB | 2015.302 | 1 | 0.352 | 0.018 | 91.0* | 0.7 | | | | | | |
| 10063+7418 | MLR422AB | 2015.302 | 1 | 0.364 | 0.008 | 92.0* | 0.3 | | | | | | |
| 10071+4504 | HDS1459 | 2015.209 | 1 | 0.786 | 0.007 | 122.1* | 0.3 | | | | | | |
| 10083+3136 | KUI48AB | 2015.267 | 1 | 0.199 | 0.019 | 171.4 | 2.1 | | | Tok2021c | -0.02 | 1.6 | 2 |
| 10083+3136 | KUI48AB | 2015.267 | 1 | 0.213 | 0.016 | 171.7 | 0.5 | | | Tok2021c | -0.00 | 1.9 | 2 |
| 10095+4126 | A2143 | 2015.283 | 1 | 0.307 | 0.018 | 156.6* | 0.7 | | | | | | |
| 10095+4126 | A2143 | 2015.283 | 1 | 0.314 | 0.024 | 156.5* | 1.7 | | | | | | |
| 10099+3646 | COU1570AB | 2015.209 | 1 | 0.748 | 0.007 | 217.0* | 1.5 | | | | | | |
| 10099+3646 | COU1570AB | 2015.209 | 1 | 0.770 | 0.022 | 216.8* | 1.6 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|---------|-------------------------------|-------------------------------------|-------|
| 10103+4930 | YR14 | 2015.267 | 1 | 0.424 | 0.021 | 243.4 | 2.2 | | | | | | |
| 10103+4930 | YR14 | 2015.281 | 1 | 0.417 | 0.007 | 248.3 | 2.0 | | | | | | |
| 10103+4930 | YR14 | 2015.281 | 1 | 0.410 | 0.007 | 247.9* | 1.0 | | | | | | |
| 10110+1834 | COU287 | 2015.283 | 1 | 1.419 | 0.007 | 92.9* | 0.3 | | | | | | |
| 10110+1834 | COU287 | 2015.283 | 1 | 1.426 | 0.007 | 92.8* | 0.3 | 0.06 | | | | | |
| 10110+7508 | KUI47 | 2015.302 | 1 | 1.943 | 0.013 | 122.2* | 0.5 | 0.14 | | Izm2019 | -0.00 | 0.3 | 5 |
| 10110+7508 | KUI47 | 2015.302 | 1 | 1.938 | 0.013 | 122.3* | 0.3 | | | Izm2019 | -0.01 | 0.5 | 5 |
| 10111+1531 | A2368 | 2015.283 | 1 | 0.768 | 0.010 | 166.4* | 0.5 | | | | | | |
| 10111+1531 | A2368 | 2015.283 | 1 | 0.779 | 0.007 | 166.4* | 0.5 | | | | | | |
| 10113+4554 | COU2620 | 2015.209 | 1 | 0.589 | 0.007 | 23.7* | 1.4 | | | | | | |
| 10113+4554 | COU2620 | 2015.209 | 1 | 0.599 | 0.007 | 23.1* | 0.6 | | | | | | |
| 10118+4222 | POP116 | 2015.270 | 1 | 0.543 | 0.008 | 251.0* | 1.2 | | | | | | |
| 10118+4222 | POP116 | 2015.270 | 1 | 0.543 | 0.007 | 251.1* | 0.7 | | | | | | |
| 10121+2118 | A2146 | 2015.270 | 1 | 0.142 | 0.024 | 19.1* | 1.8 | | | Hei2001 | -0.06 | -19.1 ^Q | 4 |
| 10121+2118 | A2146 | 2015.270 | 1 | 0.190 | 0.018 | 22.3* | 2.6 | | | Hei2001 | -0.01 | -15.9 ^Q | 4 |
| 10125+1552 | HDS1470 | 2015.283 | 1 | 0.245 | 0.010 | 54.3* | 1.8 | | | | | | |
| 10131+2725 | STT213AB | 2015.281 | 1 | 1.132 | 0.015 | 121.1* | 0.6 | | | | | | |
| 10131+2725 | STT213AB | 2015.281 | 1 | 1.133 | 0.011 | 121.1* | 0.4 | | | | | | |
| 10140+2227 | COU169Aa,Ab | 2015.267 | 1 | 0.523 | 0.008 | 146.9* | 0.5 | | | | | | |
| 10140+2227 | COU169Aa,Ab | 2015.267 | 1 | 0.520 | 0.007 | 146.9* | 0.4 | 0.30 | | | | | |
| 10140+4313 | HDS1473 | 2015.209 | 1 | 0.273 | 0.015 | 91.3 | 2.1 | | | | | | |
| 10162+4844 | HU633 | 2015.270 | 1 | 0.130 | 0.019 | 331.4* | 3.8 | | | | | | |
| 10162+4844 | HU633 | 2015.270 | 1 | 0.183 | 0.010 | 333.8* | 3.9 | | | | | | |
| 10162+6406 | MLR143 | 2015.302 | 1 | 0.725 | 0.014 | 103.9* | 0.8 | | | | | | |
| 10162+6406 | MLR143 | 2015.302 | 1 | 0.681 | 0.027 | 104.4* | 0.8 | 0.26 | | | | | |
| 10169+2229 | A2148 | 2015.267 | 1 | 0.145 | 0.037 | 175.8* | 7.5 | | | | | | |
| 10169+2229 | A2148 | 2015.267 | 1 | 0.197 | 0.027 | 179.3* | 6.0 | | | | | | |
| 10178+7104 | STF1415AB | 2015.302 | 1 | 16.665 | 0.083 | 14.3 | 0.3 | 1.45 | LY | | | | |
| 10178+7104 | STF1415AB | 2015.305 | 1 | 16.632 | 0.083 | 167.7 | 0.3 | 1.44 | LY | | | | |
| 10180+1711 | A2369 | 2015.281 | 1 | 1.061 | 0.007 | 295.1* | 0.3 | | | | | | |
| 10180+1711 | A2369 | 2015.281 | 1 | 1.064 | 0.007 | 294.5* | 0.3 | | | | | | |
| 10187+2155 | COU170 | 2015.300 | 1 | 0.858 | 0.008 | 111.2* | 0.3 | | | | | | |
| 10187+2155 | COU170 | 2015.300 | 1 | 0.863 | 0.008 | 111.8* | 0.3 | | | | | | |
| 10192+1850 | COU289 | 2015.270 | 1 | 0.155 | 0.015 | 71.6* | 3.4 | | | | | | |
| 10201+4743 | TDS7188Aa,Ab | 2015.300 | 1 | 0.404 | 0.008 | 163.3* | 2.0 | 0.25 | | | | | |
| 10201+4743 | TDS7188Aa,Ab | 2015.300 | 1 | 0.406 | 0.018 | 164.7* | 2.6 | | | | | | |
| 10210+1809 | COU50 | 2015.283 | 1 | 0.131 | 0.063 | 184.7* | 1.8 | | | | | | |
| 10210+1809 | COU50 | 2015.283 | 1 | 0.241 | 0.007 | 186.2* | 2.8 | 0.02 | | | | | |
| 10213+5023 | HDS1489 | 2015.210 | 1 | 0.190 | 0.011 | 132.9 | 1.5 | | | | | | |
| 10215+4603 | COU2503 | 2015.267 | 1 | 1.492 | 0.007 | 171.6* | 0.3 | 0.40 | | | | | |
| 10215+4603 | COU2503 | 2015.267 | 1 | 1.503 | 0.012 | 171.4* | 0.3 | | | | | | |
| 10217+4752 | TDS7214 | 2015.300 | 1 | — | — | — | — | | | NR | | | |
| 10218+2715 | COU959 | 2015.281 | 1 | 1.673 | 0.008 | 336.4* | 0.4 | 0.64 | | | | | |
| 10218+2715 | COU959 | 2015.281 | 1 | 1.657 | 0.014 | 336.4* | 0.3 | | | | | | |
| 10225+5030 | HDS1493 | 2015.210 | 1 | — | — | — | — | | | NR | | | |
| 10227+3956 | HDS1494 | 2015.210 | 1 | 0.125 | 0.016 | 298.4* | 3.2 | | | | | | |
| 10227+3956 | HDS1494 | 2015.210 | 1 | 0.167 | 0.015 | 303.7* | 2.0 | | | | | | |
| 10238+4935 | HDS1495 | 2015.210 | 1 | — | — | — | — | | | NR | | | |
| 10250+2437 | STF1429 | 2015.270 | 1 | 0.821 | 0.007 | 156.3* | 0.3 | | | Zul1981 | 0.06 | -0.3 | 4 |
| 10250+2437 | STF1429 | 2015.270 | 1 | 0.824 | 0.018 | 156.5* | 1.6 | | | Zul1981 | 0.07 | -0.1 | 4 |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 10259+4628 | COU2504 | 2015.267 | 1 | 0.164 | 0.019 | 102.5* | 2.2 | | | | | | |
| 10259+4628 | COU2504 | 2015.270 | 1 | 0.167 | 0.027 | 103.7* | 0.7 | | | | | | |
| 10261+1821 | COU291 | 2015.283 | 1 | 0.800 | 0.008 | 66.9* | 0.8 | | | | | | |
| 10261+1821 | COU291 | 2015.283 | 1 | 0.801 | 0.017 | 66.4* | 2.0 | | | | | | |
| 10261+5347 | MLR679 | 2015.302 | 1 | 1.098 | 0.013 | 262.9* | 0.6 | 0.11 | | | | | |
| 10261+5347 | MLR679 | 2015.302 | 1 | 1.117 | 0.015 | 262.7* | 0.4 | | | | | | |
| 10269+1931 | COU292 | 2015.281 | 1 | 0.201 | 0.010 | 44.7* | 1.5 | | | Doc2013e | -0.02 | -4.4 | 2 |
| 10269+1931 | COU292 | 2015.283 | 1 | 0.146 | 0.013 | 47.8* | 2.2 | | | Doc2013e | -0.07 | -1.3 | 2 |
| 10269+1931 | COU292 | 2015.283 | 1 | 0.195 | 0.010 | 46.3* | 2.3 | | | Doc2013e | -0.02 | -2.8 | 2 |
| 10274+2806 | TDS7284 | 2015.300 | 1 | 0.299 | 0.077 | 30.0 | 2.2 | | | | | | |
| 10274+2806 | TDS7284 | 2015.300 | 1 | 0.238 | 0.075 | 35.1 | 5.0 | | | | | | |
| 10287+4558 | A1993 | 2015.210 | 1 | 0.325 | 0.007 | 215.4* | 2.2 | | | Lin2017b | 0.04 | 1.1 | 5 |
| 10287+4558 | A1993 | 2015.283 | 1 | 0.320 | 0.010 | 216.3* | 0.7 | 0.70 | | Lin2017b | 0.03 | 1.8 | 5 |
| 10290+3452 | A2152AB | 2015.270 | 1 | 0.354 | 0.007 | 60.9* | 0.6 | | | | | | |
| 10290+3452 | A2152AB | 2015.270 | 1 | 0.354 | 0.008 | 61.9* | 0.8 | | | | | | |
| 10302+4419 | COU2090 | 2015.281 | 1 | 1.353 | 0.009 | 280.1 | 0.3 | | | | | | |
| 10302+4419 | COU2090 | 2015.281 | 1 | 1.357 | 0.022 | 279.9* | 0.4 | | | | | | |
| 10312+3707 | HU880 | 2015.300 | 1 | 0.900 | 0.007 | 144.5* | 0.3 | | | | | | |
| 10312+3707 | HU880 | 2015.300 | 1 | 0.901 | 0.008 | 144.8 | 0.4 | | | | | | |
| 10323+2427 | HDS1511 | 2015.283 | 1 | 0.132 | 0.040 | 16.5 | 1.8 | | | | | | |
| 10331+2052 | COU172 | 2015.283 | 1 | 0.138 | 0.041 | 49.8* | 3.9 | | | | | | |
| 10331+2052 | COU172 | 2015.283 | 1 | 0.184 | 0.014 | 49.7* | 4.9 | | | | | | |
| 10337+2045 | COU173 | 2015.281 | 1 | 0.861 | 0.007 | 183.9* | 0.3 | | | | | | |
| 10337+2045 | COU173 | 2015.281 | 1 | 0.859 | 0.007 | 183.8* | 0.3 | | | | | | |
| 10340+4612 | A2054 | 2015.210 | 1 | 0.167 | 0.013 | 112.3 | 2.2 | | | | | | |
| 10340+4612 | A2054 | 2015.210 | 1 | 0.168 | 0.007 | 111.0* | 0.8 | | | | | | |
| 10341+5023 | COU2621 | 2015.281 | 1 | 1.007 | 0.007 | 175.3* | 0.3 | | | | | | |
| 10341+5023 | COU2621 | 2015.281 | 1 | 1.013 | 0.010 | 175.4* | 0.3 | | | | | | |
| 10343+1802 | YSC40 | 2015.270 | 1 | 0.404 | 0.007 | 240.6* | 1.2 | | | | | | |
| 10343+1802 | YSC40 | 2015.271 | 1 | 0.399 | 0.024 | 238.5* | 2.1 | | | | | | |
| 10343+1802 | YSC40Aa,Ab | 2015.267 | 1 | 0.182 | 0.021 | 95.8 | 7.3 | | NDp | | | | |
| 10345+5103 | COU2622 | 2015.281 | 1 | 1.427 | 0.007 | 310.5* | 0.3 | | | | | | |
| 10345+5103 | COU2622 | 2015.281 | 1 | 1.436 | 0.007 | 310.5* | 0.3 | | | | | | |
| 10352+4624 | HDS1517 | 2015.210 | 1 | — | — | — | — | | NR | | | | |
| 10353+5309 | MLR702 | 2015.302 | 1 | 0.331 | 0.039 | 165.4* | 1.8 | 0.93 | | | | | |
| 10353+5309 | MLR702 | 2015.302 | 1 | 0.354 | 0.007 | 163.4* | 0.5 | | | | | | |
| 10355+4357 | COU2091 | 2015.300 | 1 | 0.755 | 0.010 | 144.2* | 0.5 | 0.77 | | | | | |
| 10355+4357 | COU2091 | 2015.300 | 1 | 0.758 | 0.007 | 143.4* | 0.9 | | | | | | |
| 10359+3147 | A2154 | 2015.281 | 1 | 0.636 | 0.007 | 116.1* | 0.7 | 0.74 | | | | | |
| 10359+3147 | A2154 | 2015.281 | 1 | 0.638 | 0.007 | 115.4* | 0.8 | | | | | | |
| 10365+4430 | A2055AB | 2015.283 | 1 | 0.362 | 0.015 | 180.3* | 0.4 | | | | | | |
| 10365+4430 | A2055AB | 2015.283 | 1 | 0.337 | 0.013 | 181.3* | 1.2 | | | | | | |
| 10367+1522 | DAE3AB | 2015.300 | 2 | 1.086 | 0.011 | 221.9* | 0.3 | 0.26 | LY | | | | |
| 10367+1522 | DAE3AC | 2015.300 | 1 | 0.842 | 0.037 | 215.4 | 2.7 | | | | | | |
| 10367+1522 | DAE3AC | 2015.300 | 1 | 0.859 | 0.020 | 217.0* | 1.4 | | | | | | |
| 10367+1522 | DAE3BC | 2015.210 | 1 | 0.170 | 0.056 | 294.1 | 4.9 | | | Jnn2017b | -0.01 | -24.9 | 3 |
| 10367+1522 | DAE3BC | 2015.210 | 1 | 0.132 | 0.053 | 296.9 | 4.8 | | | Jnn2017b | -0.05 | -22.1 | 3 |
| 10367+1522 | DAE3BC | 2015.300 | 2 | 0.143 | 0.047 | 297.7* | 0.3 | 0.03 | | Jnn2017b | -0.04 | -23.1 | 3 |
| 10382+4558 | COU2092 | 2015.283 | 1 | 0.611 | 0.010 | 281.4* | 1.0 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|---------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|----------|-------|-------------------------------|-------------------------------------|-------|
| 10382+4558 | COU2092 | 2015.283 | 1 | 0.592 | 0.017 | 281.1* | 0.9 | 0.41 | | | | | |
| 10388+4421 | COU2093 | 2015.267 | 1 | 1.057 | 0.013 | 36.2* | 0.6 | | | | | | |
| 10388+4421 | COU2093 | 2015.267 | 1 | 1.064 | 0.011 | 36.1* | 0.4 | 0.50 | | | | | |
| 10392+4529 | COU2094 | 2015.267 | 1 | 0.596 | 0.007 | 215.4* | 0.9 | | | | | | |
| 10392+4529 | COU2094 | 2015.267 | 1 | 0.593 | 0.007 | 214.3* | 0.8 | 0.20 | | | | | |
| 10414+4401 | COU2095 | 2015.267 | 1 | 0.599 | 0.013 | 74.0* | 2.2 | 0.90 | | | | | |
| 10414+4401 | COU2095 | 2015.267 | 1 | 0.622 | 0.008 | 74.1* | 0.5 | | | | | | |
| 10416+6414 | HU1132 | 2015.303 | 1 | 0.446 | 0.011 | 107.7* | 0.5 | 0.29 | | | | | |
| 10416+6414 | HU1132 | 2015.303 | 1 | 0.454 | 0.015 | 107.6* | 0.8 | | | | | | |
| 10420+2701 | COU780 | 2015.270 | 1 | 0.114 | 0.021 | 77.1* | 1.9 | | | | | | |
| 10428+4711 | COU2096 | 2015.270 | 1 | 0.121 | 0.010 | 287.0* | 2.2 | | | | | | |
| 10428+4711 | COU2096 | 2015.270 | 1 | 0.151 | 0.044 | 287.1* | 6.3 | | | | | | |
| 10449+5819 | MLR550 | 2015.303 | 1 | 1.222 | 0.007 | 147.2* | 0.4 | 0.06 | | | | | |
| 10449+5819 | MLR550 | 2015.303 | 1 | 1.222 | 0.013 | 147.4* | 0.4 | | | | | | |
| 10477+2733 | COU592 | 2015.300 | 1 | 0.449 | 0.007 | 211.1* | 0.8 | 0.49 | | | | | |
| 10477+2733 | COU592 | 2015.300 | 1 | 0.464 | 0.007 | 209.8* | 1.4 | | | | | | |
| 10480+4107 | STT229 | 2015.267 | 1 | 0.683 | 0.012 | 259.0* | 1.3 | | Alz2020c | | 0.03 | 0.8 | 3 |
| 10480+4107 | STT229 | 2015.267 | 1 | 0.652 | 0.049 | 258.8* | 1.0 | | Alz2020c | | -0.00 | 0.6 | 3 |
| 10486+3532 | COU1418 | 2015.267 | 1 | 0.779 | 0.007 | 210.0* | 0.3 | | | | | | |
| 10486+3532 | COU1418 | 2015.267 | 1 | 0.779 | 0.007 | 210.0 | 0.3 | 0.70 | | | | | |
| 10496+3948 | A2155 | 2015.281 | 1 | 0.894 | 0.010 | 17.5* | 0.4 | | | | | | |
| 10496+3948 | A2155 | 2015.281 | 1 | 0.894 | 0.010 | 17.6* | 0.7 | | | | | | |
| 10510+1603 | A2372 | 2015.267 | 1 | 0.390 | 0.007 | 93.5* | 1.0 | | | | | | |
| 10510+1603 | A2372 | 2015.267 | 1 | 0.394 | 0.007 | 94.0* | 0.3 | | | | | | |
| 10515+0756 | HDS1550 | 2015.283 | 1 | 0.685 | 0.024 | 4.4* | 0.9 | | | | | | |
| 10515+0756 | HDS1550 | 2015.283 | 1 | 0.693 | 0.008 | 4.1* | 0.9 | | | | | | |
| 10520+1606 | A2373 | 2015.300 | 1 | 0.203 | 0.014 | 38.7* | 0.6 | | USN2007a | | -0.01 | 0.3 ^Q | 3 |
| 10520+1606 | A2373 | 2015.300 | 1 | 0.176 | 0.016 | 41.0* | 2.2 | | USN2007a | | -0.03 | 2.6 ^Q | 3 |
| 10539+1706 | HDS1559 | 2015.300 | 1 | 0.480 | 0.007 | 334.0* | 0.6 | | | | | | |
| 10539+1706 | HDS1559 | 2015.300 | 1 | 0.489 | 0.007 | 334.1* | 1.2 | | | | | | |
| 10543+2607 | A1769 | 2015.270 | 1 | 0.745 | 0.009 | 83.9* | 0.4 | | | | | | |
| 10543+2607 | A1769 | 2015.270 | 1 | 0.723 | 0.023 | 84.9* | 0.3 | | | | | | |
| 10544+3840 | COU1746 | 2015.210 | 1 | 0.370 | 0.018 | 145.9* | 0.9 | | Lin2018a | | 0.02 | -2.2 ^Q | 4 |
| 10544+3840 | COU1746 | 2015.210 | 1 | 0.370 | 0.015 | 145.9* | 1.5 | | Lin2018a | | 0.02 | -2.2 ^Q | 4 |
| 10554+6841 | MLR324 | 2015.303 | 1 | 0.869 | 0.014 | 103.6* | 2.3 | | | | | | |
| 10554+6841 | MLR324 | 2015.303 | 1 | 0.841 | 0.012 | 103.8* | 1.0 | 0.06 | | | | | |
| 10567+3320 | POP73 | 2015.210 | 1 | 0.790 | 0.008 | 202.4* | 1.2 | | | | | | |
| 10567+3320 | POP73 | 2015.210 | 1 | 0.786 | 0.007 | 202.7* | 0.8 | | | | | | |
| 10567+3444 | HU726 | 2015.281 | 1 | 1.149 | 0.015 | 283.1* | 0.5 | | | | | | |
| 10567+3444 | HU726 | 2015.281 | 1 | 1.139 | 0.007 | 283.4* | 0.3 | | | | | | |
| 10574+0147 | HEI763 | 2015.283 | 1 | 0.805 | 0.009 | 251.3* | 0.4 | | | | | | |
| 10574+0147 | HEI763 | 2015.283 | 1 | 0.810 | 0.010 | 251.3* | 0.7 | 0.13 | | | | | |
| 10585+1711 | A2375 | 2015.210 | 1 | 0.516 | 0.015 | 172.5* | 0.9 | | Doc2009g | | 0.02 | 2.4 | 3 |
| 10585+1711 | A2375 | 2015.210 | 1 | 0.522 | 0.016 | 171.1* | 1.3 | | Doc2009g | | 0.03 | 1.0 | 3 |
| 10596+0956 | A2774AB | 2015.283 | 1 | 1.818 | 0.015 | 109.0* | 0.5 | | | | | | |
| 10596+0956 | A2774AB | 2015.283 | 1 | 1.833 | 0.018 | 108.5* | 0.4 | | | | | | |
| 11003+1926 | A2376 | 2015.270 | 1 | 0.168 | 0.037 | 17.7* | 2.7 | | | | | | |
| 11003+1926 | A2376 | 2015.283 | 1 | 0.159 | 0.027 | 15.0 | 2.6 | | | | | | |
| 11003+1926 | A2376 | 2015.283 | 1 | 0.103 | 0.057 | 17.2 | 4.4 | | | | | | |
| 11014+1235 | HEI155 | 2015.283 | 1 | 0.761 | 0.007 | 66.4* | 0.5 | 0.41 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 11014+1235 | HEI155 | 2015.283 | 1 | 0.796 | 0.021 | 65.1* | 1.5 | | | | | | |
| 11017+3641 | HDS1574Aa,Ab | 2015.210 | 1 | — | — | — | — | | NR | | | | |
| 11017+3641 | COU1422Ba,Bb | 2015.210 | 1 | 0.655 | 0.007 | 46.2* | 0.8 | | | | | | |
| 11017+3641 | COU1422Ba,Bb | 2015.210 | 1 | 0.655 | 0.007 | 46.2* | 0.6 | | | | | | |
| 11029+3541 | HO47BC | 2015.270 | 1 | 0.889 | 0.007 | 158.2* | 0.3 | | | | | | |
| 11029+3541 | HO47BC | 2015.270 | 1 | 0.886 | 0.013 | 158.1 | 0.4 | | | | | | |
| 11053+1635 | A2378 | 2015.261 | 1 | 0.370 | 0.007 | 140.6 | 0.3 | 1.63 | | | | | |
| 11053+1635 | A2378 | 2015.281 | 1 | 0.393 | 0.007 | 145.1* | 0.6 | 0.29 | | | | | |
| 11053+1635 | A2378 | 2015.281 | 1 | 0.402 | 0.019 | 145.2* | 1.4 | | | | | | |
| 11055+3927 | COU1748 | 2015.270 | 1 | 0.137 | 0.042 | 73.7* | 3.7 | | | | | | |
| 11055+3927 | COU1748 | 2015.270 | 1 | 0.186 | 0.007 | 70.1* | 1.3 | | | | | | |
| 11058+7440 | MLR423 | 2015.303 | 1 | 0.727 | 0.027 | 214.0* | 0.6 | | | | | | |
| 11058+7440 | MLR423 | 2015.303 | 1 | 0.748 | 0.016 | 212.2* | 2.9 | 0.48 | | | | | |
| 11065+2653 | A1775 | 2015.281 | 1 | 0.144 | 0.031 | 90.0 | 1.2 | | | | | | |
| 11065+2653 | A1775 | 2015.281 | 1 | 0.165 | 0.032 | 85.3 | 1.5 | | | | | | |
| 11090+4325 | COU2099 | 2015.270 | 1 | 0.320 | 0.007 | 109.6* | 1.0 | | | | | | |
| 11090+4325 | COU2099 | 2015.270 | 1 | 0.319 | 0.007 | 109.4 | 0.3 | | | | | | |
| 11104+1502 | HEI61 | 2015.270 | 1 | 0.215 | 0.035 | 83.7* | 1.4 | | | | | | |
| 11104+1502 | HEI61 | 2015.270 | 1 | 0.249 | 0.007 | 83.3* | 1.5 | | | | | | |
| 11114+4150 | HDS1593 | 2015.270 | 1 | 0.195 | 0.010 | 174.2* | 0.8 | | | Hor2021b | -0.01 | 0.3 | 3 |
| 11114+4150 | HDS1593 | 2015.270 | 1 | 0.131 | 0.015 | 159.0* | 3.1 | | | Hor2021b | -0.08 | -14.9 | 3 |
| 11116+6607 | STF1514 | 2015.303 | 1 | 1.277 | 0.010 | 342.5* | 0.3 | 1.59 | | | | | |
| 11116+6607 | STF1514 | 2015.303 | 1 | 1.269 | 0.015 | 342.4* | 0.3 | | | | | | |
| 11120+3500 | A2156 | 2015.210 | 1 | 0.117 | 0.045 | 141.3 | 6.8 | | | | | | |
| 11120+3500 | A2156 | 2015.210 | 1 | 0.148 | 0.037 | 143.1 | 7.7 | | | | | | |
| 11125+3205 | COU963 | 2015.344 | 1 | 1.660 | 0.104 | 191.7* | 1.2 | | | | | | |
| 11125+3205 | COU963 | 2015.344 | 1 | 1.753 | 0.041 | 190.8* | 1.4 | | | | | | |
| 11134+7737 | MLR526 | 2015.303 | 1 | 0.721 | 0.010 | 311.8* | 0.9 | | | | | | |
| 11134+7737 | MLR526 | 2015.303 | 1 | 0.760 | 0.020 | 311.5* | 0.4 | | | | | | |
| 11135+3707 | HDS1601AB | 2015.300 | 1 | — | — | — | — | | NR | | | | |
| 11137+2008 | STF1517AB | 2015.281 | 1 | 0.717 | 0.028 | 136.3* | 0.9 | | | FMR2015b | 0.02 | 0.2 ^Q | 4 |
| 11137+2008 | STF1517AB | 2015.281 | 1 | 0.714 | 0.007 | 136.1* | 0.5 | 0.21 | | FMR2015b | 0.02 | -0.0 ^Q | 4 |
| 11151+3735 | STT232AB | 2015.300 | 1 | 0.644 | 0.013 | 244.7* | 0.6 | | | | | | |
| 11151+3735 | STT232AB | 2015.300 | 1 | 0.638 | 0.008 | 244.3* | 0.5 | | | | | | |
| 11155+4729 | HU639 | 2015.300 | 1 | 0.293 | 0.032 | 92.5* | 0.8 | | | | | | |
| 11155+4729 | HU639 | 2015.300 | 1 | 0.295 | 0.016 | 91.9* | 0.3 | | | | | | |
| 11172+0745 | HDS1609 | 2015.283 | 1 | 0.929 | 0.007 | 198.4* | 0.7 | | | | | | |
| 11172+0745 | HDS1609 | 2015.283 | 1 | 0.897 | 0.026 | 197.8* | 1.4 | | | | | | |
| 11175+7221 | MLR424 | 2015.303 | 1 | 0.648 | 0.010 | 122.0* | 0.3 | | | | | | |
| 11175+7221 | MLR424 | 2015.303 | 1 | 0.670 | 0.024 | 121.4* | 1.0 | | | | | | |
| 11185+5119 | TDS7781 | 2015.300 | 1 | — | — | — | — | | NR | | | | |
| 11196+4930 | HDS1615 | 2015.270 | 1 | 0.177 | 0.030 | 317.1* | 2.9 | | | | | | |
| 11196+4930 | HDS1615 | 2015.270 | 1 | 0.139 | 0.024 | 322.7* | 2.8 | | | | | | |
| 11203+3603 | COU1259 | 2015.267 | 1 | 0.726 | 0.015 | 311.1* | 1.0 | | | | | | |
| 11203+3603 | COU1259 | 2015.267 | 1 | 0.732 | 0.007 | 310.6* | 0.3 | | | | | | |
| 11206+4324 | A1846AB | 2015.300 | 1 | 1.870 | 0.009 | 164.9* | 0.3 | | | | | | |
| 11206+4324 | A1846AB | 2015.300 | 1 | 1.845 | 0.022 | 164.4* | 0.4 | | | | | | |
| 11206+4324 | A1846Aa,Ab | 2015.300 | 1 | 0.185 | 0.025 | 42.3 | 2.8 | | NDp | | | | |
| 11206+4324 | A1846Aa,Ab | 2015.300 | 1 | 0.176 | 0.030 | 42.3 | 3.8 | | NDp | | | | |
| 11214+6213 | MLR146 | 2015.847 | 2 | 0.857 | 0.009 | 144.7* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|-------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|----------|-------|--------------------------|----------------------------|-------|
| 11214+6213 | MLR146 | 2015.847 | 2 | 0.857 | 0.010 | 144.8* | 0.3 | | | | | | |
| 11218+4520 | A1847 | 2015.344 | 1 | 1.396 | 0.018 | 149.0 | 0.3 | | | | | | |
| 11218+4520 | A1847 | 2015.344 | 1 | 1.396 | 0.045 | 148.4 | 0.3 | | | | | | |
| 11226+6847 | HDS1619 | 2015.303 | 1 | 1.753 | 0.015 | 55.6* | 0.4 | | | | | | |
| 11226+6847 | HDS1619 | 2015.303 | 1 | 1.762 | 0.009 | 55.9* | 0.3 | | | | | | |
| 11230+3757 | TDS7834 | 2015.300 | 1 | — | — | — | — | | NR | | | | |
| 11235+4828 | COU2100 | 2015.281 | 1 | 1.604 | 0.020 | 23.7* | 0.3 | | | | | | |
| 11235+4828 | COU2100 | 2015.281 | 1 | 1.608 | 0.017 | 24.0* | 0.3 | | | | | | |
| 11243+1354 | HDS1622AB | 2015.283 | 1 | 0.781 | 0.007 | 37.0* | 1.2 | | | | | | |
| 11243+1354 | HDS1622AB | 2015.283 | 1 | 0.788 | 0.007 | 37.1* | 0.6 | | | | | | |
| 11247+3758 | COU1261 | 2015.270 | 1 | 0.661 | 0.007 | 218.2* | 0.3 | 1.10 | | | | | |
| 11247+3758 | COU1261 | 2015.270 | 1 | 0.671 | 0.013 | 218.5* | 0.7 | | | | | | |
| 11254+0607 | HDS1624 | 2015.283 | 1 | 0.538 | 0.007 | 11.6* | 1.4 | | | | | | |
| 11254+0607 | HDS1624 | 2015.283 | 1 | 0.503 | 0.013 | 12.0* | 1.9 | | | | | | |
| 11263+1610 | HEI157 | 2015.267 | 1 | 1.588 | 0.012 | 157.1* | 0.3 | | | | | | |
| 11263+1610 | HEI157 | 2015.267 | 1 | 1.579 | 0.015 | 156.9* | 0.3 | | | | | | |
| 11265+0806 | A2575 | 2015.283 | 1 | 0.438 | 0.007 | 51.5* | 0.4 | | USN2002 | | 0.18 | -17.1 | 5 |
| 11265+0806 | A2575 | 2015.283 | 1 | 0.454 | 0.007 | 52.2* | 1.8 | 0.29 | USN2002 | | 0.20 | -16.4 | 5 |
| 11277+4410 | A1848 | 2015.338 | 1 | 0.459 | 0.022 | 16.5 | 3.3 | | | | | | |
| 11288+4749 | TDS7881 | 2015.300 | 1 | — | — | — | — | | NR | | | | |
| 11309+4345 | YSC42AB | 2014.998 | 1 | — | — | — | — | | NR | | | | |
| 11321+1809 | HDS1635 | 2015.300 | 1 | 0.303 | 0.018 | 44.4* | 1.7 | | | | | | |
| 11321+1809 | HDS1635 | 2015.300 | 1 | 0.299 | 0.011 | 42.9 | 1.3 | | | | | | |
| 11323+6105 | STT235AB | 2015.303 | 1 | 0.890 | 0.007 | 37.6* | 0.3 | | Izm2019 | | 0.00 | 0.1 | 1 |
| 11323+6105 | STT235AB | 2015.303 | 1 | 0.917 | 0.013 | 37.9 | 0.3 | | Izm2019 | | 0.03 | 0.4 | 1 |
| 11332+4927 | HU727 | 2015.281 | 1 | 1.263 | 0.007 | 204.8* | 0.5 | | | | | | |
| 11332+4927 | HU727 | 2015.281 | 1 | 1.257 | 0.007 | 204.6* | 0.4 | 0.62 | | | | | |
| 11333+5748 | MLR551Aa,Ab | 2015.303 | 1 | 0.959 | 0.009 | 124.7* | 0.3 | | | | | | |
| 11333+5748 | MLR551Aa,Ab | 2015.303 | 1 | 0.930 | 0.025 | 124.8* | 0.5 | | | | | | |
| 11334+4637 | COU1751 | 2015.267 | 1 | 0.148 | 0.030 | 149.3 | 7.3 | | | | | | |
| 11334+4637 | COU1751 | 2015.267 | 1 | 0.128 | 0.033 | 137.4 | 8.0 | | | | | | |
| 11335+0759 | HDS1639 | 2015.283 | 1 | 0.448 | 0.021 | 43.4 | 2.4 | | | | | | |
| 11335+0759 | HDS1639 | 2015.283 | 1 | 0.412 | 0.010 | 44.9 | 3.2 | | | | | | |
| 11336+4445 | LEO34 | 2015.281 | 1 | 1.691 | 0.008 | 159.4* | 0.3 | 0.48 | | | | | |
| 11336+4445 | LEO34 | 2015.281 | 1 | 1.692 | 0.008 | 159.3* | 0.4 | | | | | | |
| 11336+4729 | COU1573 | 2015.281 | 1 | 0.634 | 0.007 | 89.2* | 0.3 | 0.09 | | | | | |
| 11336+4729 | COU1573 | 2015.281 | 1 | 0.633 | 0.007 | 89.2* | 0.3 | | | | | | |
| 11347+1648 | STF1552AB | 2015.121 | 2 | 3.489 | 0.022 | 207.5 | 2.3 | 1.15 | LY | | | | |
| 11354+6438 | MLR147 | 2015.303 | 1 | 0.241 | 0.087 | 119.2* | 1.0 | 0.45 | LY | | | | |
| 11354+6438 | MLR147 | 2015.303 | 1 | 0.145 | 0.093 | 117.2* | 3.3 | | | | | | |
| 11361+1251 | STF1554 | 2015.283 | 1 | 0.311 | 0.035 | 211.5* | 1.4 | | FMR2020a | | 0.00 | -5.8 | 4 |
| 11361+1251 | STF1554 | 2015.283 | 1 | 0.337 | 0.032 | 211.4* | 1.0 | | FMR2020a | | 0.03 | -5.9 | 4 |
| 11363+2747 | STF1555AB | 2015.281 | 1 | 0.728 | 0.007 | 149.8* | 0.5 | | Doc2017a | | 0.03 | -0.1 | 4 |
| 11363+2747 | STF1555AB | 2015.281 | 1 | 0.723 | 0.007 | 150.5* | 1.0 | 0.30 | Doc2017a | | 0.03 | 0.6 | 4 |
| 11367+2128 | STF1558AB | 2015.300 | 1 | 1.290 | 0.007 | 166.6 | 0.3 | | | | | | |
| 11367+2128 | STF1558AB | 2015.300 | 1 | 1.292 | 0.007 | 166.3 | 0.3 | | | | | | |
| 11367+2128 | STF1558AB | 2015.301 | 1 | 1.280 | 0.007 | 166.9 | 0.3 | 0.65 | LY | | | | |
| 11367+2128 | STF1558AD | 2015.300 | 1 | 1.092 | 0.007 | 178.9 | 0.8 | | NDp | | | | |
| 11367+2128 | STF1558AD | 2015.300 | 1 | 1.093 | 0.010 | 177.8 | 0.3 | | NDp | | | | |
| 11367+2128 | GHI95Aa,Ab | 2015.300 | 1 | 0.381 | 0.083 | 119.7 | 2.9 | | NDg | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|-------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|--------|----------|--------------------------|----------------------------|-------|
| 11367+2128 | GII95Aa,Ab | 2015.300 | 1 | 0.300 | 0.057 | 112.6 | 7.3 | | NDg | | | | |
| 11367+2128 | GII95Aa,Ab | 2015.301 | 1 | 0.299 | 0.037 | 120.9 | 0.3 | 2.08 | LY,NDg | | | | |
| 11374+4728 | KU39 | 2015.267 | 1 | 1.179 | 0.007 | 141.4 | 0.3 | | | WSI2006b | 0.30 | -8.0 | 5 |
| 11374+4728 | KU39 | 2015.267 | 1 | 1.181 | 0.007 | 140.6 | 0.4 | | | WSI2006b | 0.30 | -8.8 | 5 |
| 11379+4949 | HU728 | 2015.281 | 1 | 0.325 | 0.010 | 119.9* | 0.5 | | | | | | |
| 11379+4949 | HU728 | 2015.281 | 1 | 0.328 | 0.013 | 120.4* | 2.2 | | | | | | |
| 11390+4109 | STT237AB | 2015.281 | 1 | 2.061 | 0.010 | 243.8* | 0.3 | | | Izm2019 | -0.00 | 0.1 | 4 |
| 11390+4109 | STT237AB | 2015.281 | 1 | 2.069 | 0.010 | 243.7* | 0.3 | | | Izm2019 | 0.01 | 0.0 | 4 |
| 11394+0856 | A2577 | 2015.283 | 1 | — | — | — | — | | NR | | | | |
| 11395+2518 | A678 | 2015.281 | 1 | 1.165 | 0.009 | 40.5* | 0.4 | | | | | | |
| 11395+2518 | A678 | 2015.281 | 1 | 1.167 | 0.007 | 40.2 | 0.3 | | | | | | |
| 11397+5036 | COU2101AC | 2015.267 | 1 | 3.339 | 0.017 | 195.8* | 0.4 | | NDg | | | | |
| 11397+5036 | COU2101AB | 2015.270 | 1 | 0.473 | 0.027 | 64.4* | 0.8 | 0.90 | | | | | |
| 11397+5036 | COU2101AB | 2015.267 | 1 | 0.489 | 0.028 | 64.2* | 1.3 | 1.00 | | | | | |
| 11413+5846 | TDS7988AC | 2015.303 | 1 | 1.711 | 0.009 | 298.1* | 0.3 | | NDg | | | | |
| 11413+5846 | TDS7988AB | 2015.303 | 1 | 0.458 | 0.017 | 79.6* | 1.6 | | | | | | |
| 11413+5846 | TDS7988AB | 2015.303 | 1 | 0.458 | 0.014 | 80.6* | 1.2 | 1.18 | | | | | |
| 11431+3715 | HU1135 | 2015.300 | 1 | 0.730 | 0.023 | 334.9 | 1.8 | | | | | | |
| 11431+3715 | HU1135 | 2015.300 | 1 | 0.717 | 0.027 | 335.3* | 1.3 | | | | | | |
| 11435+4334 | COU1423 | 2015.355 | 1 | 0.955 | 0.007 | 201.5* | 0.3 | | | | | | |
| 11435+4334 | COU1423 | 2015.355 | 1 | 0.952 | 0.007 | 201.5* | 0.3 | | | | | | |
| 11459+1122 | J1017 | 2015.283 | 1 | — | — | — | — | | NR | | | | |
| 11486+3800 | COU1128 | 2015.281 | 1 | 1.510 | 0.027 | 237.9* | 0.8 | | | | | | |
| 11486+3800 | COU1128 | 2015.281 | 1 | 1.512 | 0.017 | 237.9* | 0.5 | 1.24 | | | | | |
| 11487+3937 | COU1263 | 2015.267 | 1 | 0.398 | 0.008 | 240.0* | 0.8 | 0.70 | | | | | |
| 11487+3937 | COU1263 | 2015.267 | 1 | 0.419 | 0.007 | 239.9* | 0.7 | | | | | | |
| 11487+4030 | COU1262 | 2015.300 | 1 | 0.696 | 0.013 | 248.7* | 0.7 | 1.67 | | | | | |
| 11487+4030 | COU1262 | 2015.300 | 1 | 0.677 | 0.007 | 248.7* | 0.3 | | | | | | |
| 11504+3544 | COU964 | 2015.355 | 1 | 1.429 | 0.008 | 59.3* | 0.5 | 0.61 | | | | | |
| 11504+3544 | COU964 | 2015.355 | 1 | 1.427 | 0.012 | 59.5* | 0.6 | | | | | | |
| 11517+2344 | COU391 | 2015.281 | 1 | 0.179 | 0.016 | 119.6* | 2.3 | | | | | | |
| 11517+2344 | COU391 | 2015.281 | 1 | 0.170 | 0.023 | 120.0* | 2.6 | | | | | | |
| 11518+1614 | BRT1275AB | 2015.121 | 2 | 2.913 | 0.022 | 113.3 | 0.3 | 1.90 | | | | | |
| 11518+1614 | BRT1275AC | 2015.121 | 2 | 4.838 | 0.022 | 108.2 | 0.3 | 2.70 | NDg | | | | |
| 11520+4805 | HU731 | 2015.267 | 1 | 1.174 | 0.010 | 307.7* | 0.4 | 0.90 | | Hrt2008 | -0.00 | -0.1 | 5 |
| 11520+4805 | HU731 | 2015.267 | 1 | 1.164 | 0.012 | 307.1* | 0.3 | | | Hrt2008 | -0.01 | -0.7 | 5 |
| 11528+4336 | GII94AE | 2015.270 | 1 | 4.715 | 0.024 | 317.2* | 0.6 | | NDg | | | | |
| 11528+4336 | GII94AE | 2015.270 | 1 | 4.666 | 0.064 | 316.7* | 0.7 | | NDg | | | | |
| 11528+4336 | GII94AD | 2015.121 | 1 | 4.364 | 0.022 | 293.9* | 0.3 | 4.12 | NDg,LY | | | | |
| 11528+4336 | GII94AD | 2015.267 | 1 | 4.344 | 0.022 | 114.3 | 0.3 | | NDg | | | | |
| 11528+4336 | GII94AD | 2015.267 | 1 | 4.334 | 0.022 | 114.1 | 0.3 | | NDg | | | | |
| 11528+4336 | GII94AD | 2015.270 | 1 | 4.340 | 0.022 | 294.6* | 0.3 | | NDg | | | | |
| 11528+4336 | GII94AD | 2015.270 | 1 | 4.311 | 0.035 | 294.1* | 0.5 | | NDg | | | | |
| 11528+4336 | A1776AB | 2015.121 | 1 | 1.824 | 0.009 | 206.7* | 0.3 | 1.72 | LY | | | | |
| 11528+4336 | A1776AB | 2015.267 | 1 | 1.797 | 0.009 | 205.6 | 0.3 | | | | | | |
| 11528+4336 | A1776AB | 2015.267 | 1 | 1.805 | 0.012 | 205.4 | 0.5 | | | | | | |
| 11528+4336 | A1776AB | 2015.270 | 1 | 1.796 | 0.028 | 205.8* | 0.6 | | | | | | |
| 11528+4336 | A1776AB | 2015.270 | 1 | 1.797 | 0.023 | 206.0* | 0.4 | | | | | | |
| 11551+4629 | STF1579AB,C | 2015.281 | 1 | 3.899 | 0.019 | 41.6 | 0.3 | | | | | | |
| 11551+4629 | STF1579AB,C | 2015.281 | 1 | 3.899 | 0.019 | 41.7* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 11551+4629 | BAG46Da,Db | 2015.281 | 1 | 0.199 | 0.035 | 168.6 | 0.7 | | | | | | |
| 11551+4629 | BAG46Da,Db | 2015.281 | 1 | 0.138 | 0.034 | 167.3 | 4.1 | | | | | | |
| 11555+7229 | MLR426 | 2015.303 | 1 | — | — | — | — | | | NR | | | |
| 11572+3312 | COU939 | 2015.281 | 1 | 0.215 | 0.010 | 32.6 | 2.4 | | | | | | |
| 11572+3312 | COU939 | 2015.281 | 1 | 0.151 | 0.066 | 28.7 | 3.8 | | | | | | |
| 11576+1742 | COU296 | 2015.355 | 1 | 1.568 | 0.011 | 233.5* | 0.4 | | | | | | |
| 11576+1742 | COU296 | 2015.355 | 1 | 1.565 | 0.008 | 233.1* | 0.3 | | | | | | |
| 11576+1742 | COU296Aa,Ab | 2015.355 | 1 | 0.261 | 0.007 | 39.4 | 2.0 | | | NDp | | | |
| 11576+1742 | COU296Aa,Ab | 2015.355 | 1 | 0.241 | 0.033 | 43.1 | 6.2 | | | NDp | | | |
| 11577+5004 | TDS8143AB | 2015.300 | 1 | — | — | — | — | | | NR | | | |
| 11579+2458 | A680 | 2015.267 | 1 | 0.489 | 0.028 | 319.5* | 1.2 | 0.60 | | | | | |
| 11579+2458 | A680 | 2015.267 | 1 | 0.465 | 0.027 | 319.0* | 0.6 | | | | | | |
| 11579+6705 | HDS1683 | 2015.303 | 1 | 0.471 | 0.009 | 346.8* | 0.6 | | | | | | |
| 11579+6705 | HDS1683 | 2015.303 | 1 | 0.447 | 0.007 | 347.7* | 1.0 | | | | | | |
| 11581+8038 | HDS1685 | 2015.303 | 1 | 0.297 | 0.014 | 306.3* | 1.4 | | | | | | |
| 11591+0601 | HDS1687 | 2015.283 | 1 | 0.492 | 0.007 | 298.4* | 0.4 | 0.09 | | | | | |
| 11591+0601 | HDS1687 | 2015.283 | 1 | 0.477 | 0.007 | 299.8* | 0.5 | | | | | | |
| 11596+4555 | TDS8152 | 2015.300 | 1 | — | — | — | — | | | NR | | | |
| 11597+4006 | TDS8155 | 2015.300 | 1 | — | — | — | — | | | NR | | | |
| 12010+4347 | A1779 | 2015.267 | 1 | 0.528 | 0.007 | 20.8* | 0.5 | | | | | | |
| 12010+4347 | A1779 | 2015.267 | 1 | 0.541 | 0.012 | 20.4* | 1.3 | | | | | | |
| 12017+4728 | COU1752 | 2015.281 | 1 | — | — | — | — | | | NR | | | |
| 12021+4303 | HDS1690Da,Db | 2015.281 | 1 | 0.757 | 0.015 | 93.8 | 0.7 | | | | | | |
| 12021+4303 | HDS1690Da,Db | 2015.281 | 1 | 0.765 | 0.010 | 95.8 | 1.7 | | | | | | |
| 12021+4303 | HDS1690Da,Dc | 2015.281 | 1 | 0.327 | 0.017 | 30.8 | 0.8 | | | NDp | | | |
| 12021+4303 | HDS1690Da,Dc | 2015.281 | 1 | 0.303 | 0.008 | 35.8 | 1.3 | | | NDp | | | |
| 12022+2108 | A2163 | 2015.374 | 1 | 0.695 | 0.007 | 169.7 | 0.6 | | | | | | |
| 12022+2108 | A2163 | 2015.374 | 1 | 0.696 | 0.007 | 170.0* | 0.3 | | | | | | |
| 12031+4921 | TDS8191 | 2015.300 | 1 | — | — | — | — | | | NR | | | |
| 12032+1709 | COU177 | 2015.355 | 1 | 1.728 | 0.009 | 295.4* | 0.3 | 0.45 | | | | | |
| 12032+1709 | COU177 | 2015.355 | 1 | 1.725 | 0.009 | 295.4* | 0.3 | | | | | | |
| 12037+2506 | A681 | 2015.281 | 1 | 0.335 | 0.007 | 22.0* | 1.8 | 0.54 | | | | | |
| 12037+2506 | A681 | 2015.281 | 1 | 0.356 | 0.031 | 22.9* | 2.6 | | | | | | |
| 12042+1635 | COU52 | 2015.121 | 2 | 6.690 | 0.022 | 73.8 | 0.3 | 3.05 | | | | | |
| 12051+3448 | TDS8213 | 2015.300 | 1 | 0.320 | 0.009 | 268.1* | 0.6 | | | | | | |
| 12051+3448 | TDS8213 | 2015.300 | 1 | 0.312 | 0.007 | 267.7* | 1.2 | 0.08 | | | | | |
| 12059+2628 | HDS1707AB | 2015.355 | 1 | 0.292 | 0.007 | 34.8 | 1.4 | | | | | | |
| 12059+2628 | HDS1707AB | 2015.355 | 1 | 0.290 | 0.009 | 35.4 | 1.6 | | | | | | |
| 12059+5017 | HDS1706 | 2015.270 | 1 | 0.646 | 0.024 | 132.6* | 0.8 | | | | | | |
| 12059+5017 | HDS1706 | 2015.270 | 1 | 0.710 | 0.021 | 131.8* | 1.3 | | | | | | |
| 12060+6842 | STF3123AB | 2015.303 | 1 | 0.312 | 0.028 | 20.5 | 4.4 | | | Hrt1996a | 0.01 | 3.6 ^Q | 2 |
| 12060+6842 | STF3123AB | 2015.303 | 1 | 0.328 | 0.017 | 17.1 | 0.6 | | | Hrt1996a | 0.03 | 0.2 ^Q | 2 |
| 12064+1812 | HDS1708 | 2015.270 | 1 | 0.391 | 0.007 | 303.8* | 0.4 | | | | | | |
| 12064+1812 | HDS1708 | 2015.270 | 1 | 0.344 | 0.049 | 308.4* | 7.7 | | | | | | |
| 12079+0522 | HEI767 | 2015.284 | 1 | 0.569 | 0.010 | 192.4* | 1.0 | 0.33 | | | | | |
| 12079+0522 | HEI767 | 2015.284 | 1 | 0.575 | 0.007 | 192.6* | 0.9 | | | | | | |
| 12080+4242 | A1998 | 2015.270 | 1 | 0.323 | 0.018 | 344.6* | 0.7 | | | | | | |
| 12080+4242 | A1998 | 2015.270 | 1 | 0.331 | 0.015 | 345.3* | 0.7 | | | | | | |
| 12101+0526 | WOR22AB | 2015.284 | 1 | 1.404 | 0.023 | 329.1* | 0.6 | 0.28 | | | | | |
| 12101+0526 | WOR22AB | 2015.284 | 1 | 1.385 | 0.024 | 328.9* | 0.7 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ (") | $\Delta\theta(\text{O-C})$ (°) | Grade |
|------------|------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|---------------------------------|-----------------------------------|-------|
| 12102+1858 | A2057Aa,Ab | 2015.355 | 1 | 0.162 | 0.010 | 29.3 | 4.9 | | NDp | | | | |
| 12102+1858 | A2057Aa,Ab | 2015.355 | 1 | 0.201 | 0.024 | 30.9 | 4.2 | | NDp | | | | |
| 12102+1858 | A2057 | 2015.355 | 1 | 1.877 | 0.018 | 298.1* | 0.7 | | | | | | |
| 12102+1858 | A2057 | 2015.355 | 1 | 1.898 | 0.024 | 297.1* | 0.4 | | | | | | |
| 12108+3953 | STF1606 | 2015.270 | 1 | 0.545 | 0.008 | 148.3* | 0.8 | | | Msn1999a | -0.01 | 2.6 | 4 |
| 12108+3953 | STF1606 | 2015.270 | 1 | 0.560 | 0.013 | 147.2* | 1.3 | | | Msn1999a | 0.01 | 1.5 | 4 |
| 12109+0818 | HEI509 | 2015.284 | 1 | 0.984 | 0.044 | 96.9* | 1.0 | 0.29 | | | | | |
| 12109+0818 | HEI509 | 2015.284 | 1 | 1.010 | 0.024 | 96.1* | 0.9 | | | | | | |
| 12111+1228 | HDS1719 | 2015.284 | 1 | 0.568 | 0.044 | 93.8* | 1.2 | 0.64 | | | | | |
| 12111+1228 | HDS1719 | 2015.284 | 1 | 0.539 | 0.007 | 94.2* | 0.3 | | | | | | |
| 12111+2257 | COU94 | 2015.281 | 1 | 1.282 | 0.010 | 339.2* | 0.3 | | | | | | |
| 12111+2257 | COU94 | 2015.281 | 1 | 1.292 | 0.010 | 339.6* | 0.6 | | | | | | |
| 12112+4121 | ES1248 | 2015.355 | 1 | 1.913 | 0.010 | 76.2* | 0.5 | 0.39 | | | | | |
| 12112+4121 | ES1248 | 2015.355 | 1 | 1.899 | 0.016 | 76.7* | 0.5 | | | | | | |
| 12121+6428 | HDS1725 | 2015.303 | 1 | 1.015 | 0.010 | 175.8 | 0.4 | | | | | | |
| 12121+6428 | HDS1725 | 2015.303 | 1 | 1.027 | 0.009 | 176.5 | 0.6 | | | | | | |
| 12126+3546 | STF1613 | 2015.377 | 1 | 1.159 | 0.027 | 6.9* | 0.3 | 0.02 | | | | | |
| 12126+3546 | STF1613 | 2015.377 | 1 | 1.167 | 0.021 | 6.7 | 0.4 | | | | | | |
| 12137+2118 | HU570 | 2015.374 | 1 | 2.560 | 0.013 | 115.1* | 0.3 | | | | | | |
| 12137+2118 | HU570 | 2015.374 | 1 | 2.565 | 0.013 | 115.1 | 0.3 | | | | | | |
| 12137+2252 | TDS8277 | 2015.344 | 1 | — | — | — | — | | NR | | | | |
| 12138+2143 | HU569 | 2015.355 | 1 | 1.274 | 0.008 | 159.9* | 0.3 | | | | | | |
| 12138+2143 | HU569 | 2015.355 | 1 | 1.270 | 0.014 | 160.0* | 0.3 | | | | | | |
| 12138+4643 | A1849 | 2015.270 | 1 | — | — | — | — | | NR | | | | |
| 12154+5243 | MLR681AB | 2015.303 | 1 | — | — | — | — | | NR | | | | |
| 12160+0538 | STF1621 | 2015.284 | 1 | 1.661 | 0.010 | 45.6* | 0.3 | | | Izm2019 | 0.02 | -0.8 | 4 |
| 12160+0538 | STF1621 | 2015.284 | 1 | 1.667 | 0.008 | 45.5* | 0.3 | 1.60 | | Izm2019 | 0.02 | -0.9 | 4 |
| 12167+3004 | AG176 | 2015.374 | 1 | 2.382 | 0.019 | 183.5* | 0.5 | 0.37 | | | | | |
| 12167+3004 | AG176 | 2015.374 | 1 | 2.368 | 0.012 | 183.4* | 0.3 | | | | | | |
| 12167+4424 | HDS1729AC | 2015.281 | 1 | 0.528 | 0.007 | 37.7 | 0.3 | | NDp | | | | |
| 12167+4424 | HDS1729AC | 2015.281 | 1 | 0.551 | 0.010 | 38.4 | 1.0 | | NDp | | | | |
| 12167+4424 | HDS1729AB | 2015.281 | 1 | 0.300 | 0.024 | 44.2 | 6.1 | | | | | | |
| 12167+4424 | HDS1729AB | 2015.281 | 1 | 0.256 | 0.024 | 42.8 | 7.1 | | | | | | |
| 12171+2241 | COU179 | 2015.374 | 1 | 0.612 | 0.007 | 186.0 | 0.5 | | | | | | |
| 12172+1737 | COU180 | 2015.121 | 1 | — | — | — | — | | NR | | | | |
| 12175+0636 | BU796 | 2015.284 | 1 | — | — | — | — | | NR | | | | |
| 12181+1826 | COU181AB | 2015.121 | 2 | 9.097 | 0.022 | 146.8 | 0.3 | 5.89 | | | | | |
| 12182+2718 | HDS1733 | 2015.344 | 1 | 0.340 | 0.032 | 233.3* | 2.9 | 0.29 | | | | | |
| 12182+2718 | HDS1733 | 2015.344 | 1 | 0.297 | 0.007 | 231.1 | 0.5 | | | | | | |
| 12182+6711 | HDS1732 | 2015.303 | 1 | 0.398 | 0.007 | 17.9 | 2.6 | | | | | | |
| 12191+6621 | MLR150 | 2015.303 | 1 | 0.944 | 0.010 | 225.4* | 0.3 | 1.25 | | | | | |
| 12191+6621 | MLR150 | 2015.303 | 1 | 0.945 | 0.007 | 225.9* | 0.4 | | | | | | |
| 12194+1744 | A2059 | 2015.281 | 1 | 0.462 | 0.025 | 39.1* | 1.4 | | | Lin2017a | 0.01 | -0.4 | 5 |
| 12194+1744 | A2059 | 2015.281 | 1 | 0.449 | 0.009 | 38.7* | 0.7 | | | Lin2017a | -0.00 | -0.8 | 5 |
| 12195+4456 | COU1753 | 2015.322 | 1 | 0.682 | 0.010 | 118.9* | 0.4 | | | | | | |
| 12195+4456 | COU1753 | 2015.322 | 1 | 0.676 | 0.010 | 118.7* | 0.4 | 1.08 | | | | | |
| 12196+0309 | WOR34 | 2015.284 | 1 | 1.077 | 0.034 | 34.1 | 2.5 | | | | | | |
| 12196+0309 | WOR34 | 2015.284 | 1 | 1.116 | 0.047 | 34.9 | 3.0 | | | | | | |
| 12200+4337 | HDS1736 | 2015.270 | 1 | 0.304 | 0.019 | 127.0 | 0.8 | | | | | | |
| 12200+4337 | HDS1736 | 2015.270 | 1 | 0.317 | 0.012 | 127.2 | 0.6 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|---------|----------|--------------------------|----------------------------|-------|
| 12210+4531 | HDS1740Aa,Ab | 2015.281 | 1 | 0.472 | 0.007 | 104.9 | 0.3 | | | | | | |
| 12223+4826 | YSC45Aa,Ab | 2015.121 | 1 | 0.329 | 0.007 | 48.2 | 0.3 | 1.69 | LY, NDp | | | | |
| 12223+6128 | HDS1743 | 2015.303 | 1 | 0.341 | 0.020 | 135.2 | 2.6 | | | | | | |
| 12223+6128 | HDS1743 | 2015.303 | 1 | 0.335 | 0.027 | 136.3* | 0.5 | | | | | | |
| 12236+6711 | HDS1745 | 2015.303 | 1 | 0.516 | 0.007 | 40.1* | 0.6 | | | Mit2020 | 0.03 | -0.5 | 3 |
| 12236+6711 | HDS1745 | 2015.303 | 1 | 0.513 | 0.009 | 39.5* | 0.5 | 0.23 | | Mit2020 | 0.02 | -1.1 | 3 |
| 12244+2535 | STF1639AB | 2015.344 | 1 | 1.847 | 0.010 | 323.7* | 0.3 | | | Ole2000b | 0.02 | 0.6 | 4 |
| 12244+2535 | STF1639AB | 2015.344 | 1 | 1.859 | 0.009 | 323.6* | 0.3 | | | Ole2000b | 0.03 | 0.5 | 4 |
| 12244+4305 | STT250 | 2015.281 | 1 | 0.341 | 0.007 | 351.1* | 0.3 | | | PkO2018b | 0.03 | -0.6 | 4 |
| 12244+4305 | STT250 | 2015.281 | 1 | 0.328 | 0.007 | 351.2* | 2.2 | | | PkO2018b | 0.02 | -0.5 | 4 |
| 12257+4444 | STF1642 | 2015.374 | 1 | 2.466 | 0.012 | 179.0* | 0.5 | | | | | | |
| 12257+4444 | STF1642 | 2015.374 | 1 | 2.470 | 0.012 | 179.0* | 0.3 | | | | | | |
| 12272+2701 | STF1643AB | 2015.374 | 1 | 2.766 | 0.017 | 4.5 | 0.3 | | | Ole2003b | 0.05 | 0.7 | 4 |
| 12272+2701 | STF1643AB | 2015.374 | 1 | 2.760 | 0.014 | 4.2* | 0.3 | | | Ole2003b | 0.04 | 0.4 | 4 |
| 12272+3632 | TDS8388 | 2015.300 | 1 | — | — | — | — | | NR | | | | |
| 12277+0609 | HDS1753 | 2015.284 | 1 | 0.518 | 0.031 | 148.2* | 3.9 | | | | | | |
| 12277+0609 | HDS1753 | 2015.284 | 1 | 0.506 | 0.010 | 151.6* | 0.9 | | | | | | |
| 12288+3155 | COU965 | 2015.377 | 1 | 0.979 | 0.007 | 250.7* | 0.6 | | | | | | |
| 12288+3155 | COU965 | 2015.377 | 1 | 0.975 | 0.007 | 250.6* | 0.3 | | | | | | |
| 12291+3123 | STT251 | 2015.300 | 1 | 0.746 | 0.008 | 237.7* | 0.7 | | | Sca2003c | 0.07 | -3.6 ^Q | 5 |
| 12291+3123 | STT251 | 2015.300 | 1 | 0.736 | 0.009 | 238.7* | 0.4 | | | Sca2003c | 0.06 | -2.6 ^Q | 5 |
| 12295+2931 | BU1324AB | 2015.374 | 1 | 2.420 | 0.012 | 224.1* | 0.3 | | | | | | |
| 12295+2931 | BU1324AB | 2015.374 | 1 | 2.410 | 0.012 | 224.5 | 0.3 | | | | | | |
| 12306+3431 | HDS1759 | 2015.121 | 1 | — | — | — | — | | NR | | | | |
| 12308+3640 | J1023 | 2015.121 | 2 | 5.170 | 0.022 | 172.5 | 0.3 | 1.28 | | | | | |
| 12310+3125 | MET60 | 2015.300 | 1 | — | — | — | — | | NR | | | | |
| 12323+2000 | HU571 | 2015.121 | 1 | — | — | — | — | | NR | | | | |
| 12328+2301 | AG179 | 2015.121 | 1 | 1.032 | 0.007 | 142.6 | 0.3 | 1.00 | | | | | |
| 12328+2301 | AG179 | 2015.270 | 1 | 1.028 | 0.021 | 143.5* | 1.8 | | | | | | |
| 12328+2301 | AG179 | 2015.270 | 1 | 1.021 | 0.009 | 142.6* | 0.5 | | | | | | |
| 12331+4007 | TDS8431 | 2015.344 | 1 | 0.704 | 0.024 | 197.6* | 1.2 | 0.15 | | | | | |
| 12331+4007 | TDS8431 | 2015.344 | 1 | 0.681 | 0.024 | 196.0* | 2.3 | | | | | | |
| 12335+0901 | REU1 | 2015.284 | 1 | 1.110 | 0.011 | 149.1* | 0.7 | | | Sca2019b | 0.01 | 0.8 ^Q | 2 |
| 12335+0901 | REU1 | 2015.284 | 1 | 1.117 | 0.019 | 148.0* | 0.8 | 0.08 | | Sca2019b | 0.02 | -0.3 ^Q | 2 |
| 12340+2650 | COU595 | 2015.121 | 1 | 0.995 | 0.007 | 181.8 | 0.3 | 1.24 | | | | | |
| 12340+2650 | COU595 | 2015.270 | 1 | 1.010 | 0.015 | 182.1* | 0.5 | | | | | | |
| 12345+0558 | BU797AB | 2015.284 | 1 | 0.607 | 0.007 | 145.0* | 0.5 | 0.95 | | | | | |
| 12358+1408 | HEI159 | 2015.284 | 1 | 0.306 | 0.018 | 317.8* | 1.9 | 0.10 | | | | | |
| 12358+1408 | HEI159 | 2015.284 | 1 | 0.295 | 0.040 | 316.0* | 1.3 | | | | | | |
| 12358+2650 | LDS4232 | 2015.121 | 1 | 3.376 | 0.017 | 57.1 | 0.3 | 4.47 | LY | | | | |
| 12363+4724 | TDS8454 | 2015.300 | 1 | — | — | — | — | | NR | | | | |
| 12368+2014 | AG180 | 2015.322 | 1 | 0.351 | 0.027 | 0.6 | 0.3 | | | | | | |
| 12368+2014 | AG180 | 2015.322 | 1 | 0.339 | 0.025 | 0.3* | 0.6 | | | | | | |
| 12372+7553 | MLR326 | 2015.303 | 1 | 0.815 | 0.009 | 66.6* | 0.7 | 1.00 | | | | | |
| 12372+7553 | MLR326 | 2015.303 | 1 | 0.806 | 0.013 | 66.5* | 0.8 | | | | | | |
| 12383+4808 | TDS8464 | 2015.300 | 1 | — | — | — | — | | NR | | | | |
| 12384+4906 | TDS8466 | 2015.300 | 1 | — | — | — | — | | NR | | | | |
| 12386+2043 | HDS1771 | 2015.377 | 1 | 0.328 | 0.007 | 119.3* | 1.9 | | | | | | |
| 12397+4444 | COU1578 | 2015.355 | 1 | 1.469 | 0.007 | 64.6* | 0.3 | | | | | | |
| 12397+4444 | COU1578 | 2015.355 | 1 | 1.471 | 0.007 | 64.7* | 0.3 | 1.88 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 12408+7901 | MLR427 | 2015.303 | 1 | 2.033 | 0.010 | 221.0* | 0.3 | | | | | | |
| 12408+7901 | MLR427 | 2015.303 | 1 | 2.032 | 0.010 | 221.1* | 0.3 | | | | | | |
| 12412+4359 | A1850 | 2015.377 | 1 | 2.880 | 0.014 | 49.5* | 0.3 | | | | | | |
| 12412+4359 | A1850 | 2015.377 | 1 | 2.891 | 0.014 | 49.4 | 0.3 | | | | | | |
| 12427+4733 | TDS8493 | 2015.300 | 1 | — | — | — | — | | NR | | | | |
| 12429+0516 | A1602 | 2015.284 | 1 | 0.607 | 0.010 | 27.9* | 0.6 | | | Doc2015d | 0.01 | 0.9 | 5 |
| 12429+0516 | A1602 | 2015.284 | 1 | 0.599 | 0.007 | 27.1* | 1.5 | | | Doc2015d | 0.01 | 0.1 | 5 |
| 12430+4008 | COU1425 | 2015.344 | 1 | 0.844 | 0.009 | 167.7* | 0.9 | 0.13 | | | | | |
| 12430+4008 | COU1425 | 2015.344 | 1 | 0.842 | 0.014 | 167.7* | 0.9 | | | | | | |
| 12441+3546 | HO256 | 2015.270 | 1 | 0.548 | 0.027 | 121.2* | 2.3 | | | | | | |
| 12441+3546 | HO256 | 2015.355 | 1 | 0.530 | 0.029 | 119.9* | 2.3 | | | | | | |
| 12444+2713 | COU597 | 2015.300 | 1 | 0.235 | 0.046 | 98.5* | 1.3 | | | | | | |
| 12444+2713 | COU597 | 2015.300 | 1 | 0.221 | 0.007 | 97.6* | 4.1 | | | | | | |
| 12452+3106 | COU968 | 2015.355 | 1 | 1.670 | 0.024 | 280.0* | 0.9 | | | | | | |
| 12452+3106 | COU968 | 2015.355 | 1 | 1.675 | 0.008 | 279.3* | 0.3 | | | | | | |
| 12455+1231 | SLE901 | 2015.121 | 2 | 6.598 | 0.022 | 265.0 | 2.3 | 5.31 | | | | | |
| 12460+2340 | COU394 | 2015.322 | 1 | 0.750 | 0.014 | 106.7* | 1.4 | | | | | | |
| 12460+2340 | COU394 | 2015.322 | 1 | 0.739 | 0.014 | 107.4* | 0.5 | 0.63 | | | | | |
| 12469+4052 | LDS4266 | 2015.121 | 1 | 2.815 | 0.014 | 94.4 | 0.3 | 3.32 | LY | | | | |
| 12473+5252 | HDS1794 | 2015.303 | 1 | — | — | — | — | | NR | | | | |
| 12483+1530 | HEI160 | 2015.355 | 1 | 2.401 | 0.012 | 345.5* | 0.3 | 1.89 | | | | | |
| 12483+1530 | HEI160 | 2015.355 | 1 | 2.394 | 0.012 | 345.8* | 0.3 | | | | | | |
| 12490+6607 | DEL4 | 2015.303 | 1 | 0.301 | 0.017 | 14.7* | 0.7 | 0.01 | | Kpp2020f | 0.01 | 0.3 | 3 |
| 12490+6607 | DEL4 | 2015.303 | 1 | 0.296 | 0.010 | 15.1* | 0.4 | | | Kpp2020f | 0.01 | 0.7 | 3 |
| 12492+2147 | STF1680 | 2015.355 | 1 | 2.945 | 0.015 | 335.6* | 0.3 | | | | | | |
| 12492+2147 | STF1680 | 2015.355 | 1 | 2.931 | 0.015 | 335.9* | 0.3 | | | | | | |
| 12492+2147 | STF1680Aa,Ab | 2015.355 | 1 | 0.263 | 0.015 | 34.3 | 1.2 | | NDp | | | | |
| 12492+2147 | STF1680Aa,Ab | 2015.355 | 1 | 0.261 | 0.020 | 35.0 | 1.8 | | NDp | | | | |
| 12493+2733 | CHR179Aa,Ab | 2015.377 | 1 | — | — | — | — | | NR | | | | |
| 12493+8226 | HDS1798 | 2015.303 | 1 | 1.117 | 0.028 | 325.5* | 0.4 | | | | | | |
| 12493+8226 | HDS1798 | 2015.303 | 1 | 1.119 | 0.028 | 325.7* | 0.3 | | | | | | |
| 12494+1931 | TDS679 | 2015.344 | 1 | 1.063 | 0.011 | 171.6* | 0.7 | | | | | | |
| 12494+1931 | TDS679 | 2015.344 | 1 | 1.044 | 0.024 | 170.1* | 0.4 | | | | | | |
| 12497+1613 | SKF275 | 2015.355 | 1 | 2.951 | 0.025 | 202.2* | 0.6 | 1.62 | | | | | |
| 12497+1613 | SKF275 | 2015.355 | 1 | 2.952 | 0.021 | 202.4* | 0.4 | | | | | | |
| 12500+4727 | TDS8543 | 2015.300 | 1 | — | — | — | — | | NR | | | | |
| 12501+2408 | A563 | 2015.121 | 1 | 0.404 | 0.007 | 178.6 | 0.3 | 1.11 | | | | | |
| 12501+2408 | A563 | 2015.270 | 1 | 0.435 | 0.012 | 182.0* | 1.4 | | | | | | |
| 12501+2408 | A563 | 2015.270 | 1 | 0.424 | 0.018 | 181.5* | 1.1 | | | | | | |
| 12507+2032 | HU640AB | 2015.322 | 1 | 0.458 | 0.007 | 247.0 | 0.5 | | | | | | |
| 12507+2032 | HU640AB | 2015.322 | 1 | 0.455 | 0.011 | 245.4* | 1.0 | 0.37 | | | | | |
| 12508+0806 | HDS1803 | 2015.284 | 1 | 0.241 | 0.027 | 60.2 | 1.7 | | | Tok2021f | 0.03 | 6.9 | 3 |
| 12508+0806 | HDS1803 | 2015.284 | 1 | 0.268 | 0.027 | 59.2 | 0.6 | | | Tok2021f | 0.06 | 5.9 | 3 |
| 12510+3129 | HDS1804 | 2015.121 | 1 | 0.749 | 0.007 | 260.6* | 0.3 | 3.14 | | | | | |
| 12510+3129 | HDS1804 | 2015.270 | 1 | 0.760 | 0.008 | 260.1 | 1.1 | | | | | | |
| 12510+3129 | HDS1804 | 2015.270 | 1 | 0.761 | 0.007 | 259.6* | 0.3 | 3.14 | | | | | |
| 12515+2714 | ES439 | 2015.355 | 1 | 2.123 | 0.011 | 67.3* | 0.3 | | | | | | |
| 12515+2714 | ES439 | 2015.355 | 1 | 2.133 | 0.018 | 67.4* | 0.3 | | | | | | |
| 12516+0911 | HEI771 | 2015.284 | 1 | 1.241 | 0.015 | 246.8* | 1.1 | 0.52 | | | | | |
| 12516+0911 | HEI771 | 2015.284 | 1 | 1.245 | 0.013 | 247.1* | 0.6 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|-------|-------------------------------|-------------------------------------|-------|
| 12520+4011 | ES1404 | 2015.355 | 1 | 2.903 | 0.023 | 30.6* | 0.7 | | | | | | |
| 12520+4011 | ES1404 | 2015.355 | 1 | 2.861 | 0.023 | 30.7* | 0.3 | 2.46 | | | | | |
| 12523+2908 | LDS1338AB | 2015.121 | 1 | — | — | — | — | | NR | | | | |
| 12526+5103 | COU2189 | 2015.300 | 1 | 0.886 | 0.007 | 101.5* | 1.5 | | | | | | |
| 12526+5103 | COU2189 | 2015.300 | 1 | 0.873 | 0.017 | 100.8* | 0.3 | 0.92 | | | | | |
| 12531+1717 | TDS8569 | 2015.300 | 1 | 1.604 | 0.008 | 42.3* | 0.3 | 0.07 | | | | | |
| 12531+1717 | TDS8569 | 2015.300 | 1 | 1.591 | 0.012 | 42.5* | 0.3 | | | | | | |
| 12533+2115 | STF1687AB | 2015.300 | 1 | 1.201 | 0.009 | 17.7 | 0.5 | | | | | | |
| 12533+2115 | STF1687AB | 2015.300 | 1 | 1.199 | 0.010 | 18.1 | 0.4 | | | | | | |
| 12537+7144 | HDS1809 | 2015.303 | 1 | — | — | — | — | | NR | | | | |
| 12540+1623 | HEI162 | 2015.322 | 1 | 0.908 | 0.016 | 131.8* | 1.2 | 0.18 | | | | | |
| 12540+1623 | HEI162 | 2015.322 | 1 | 0.951 | 0.017 | 131.2* | 0.7 | | | | | | |
| 12540+4406 | LDS4292 | 2015.121 | 1 | 3.396 | 0.017 | 66.6* | 0.3 | 3.82 | | | | | |
| 12547+2206 | MET9 | 2015.344 | 1 | — | — | — | — | | NR | | | | |
| 12566+2101 | HO538AB | 2015.355 | 1 | 1.937 | 0.014 | 97.1* | 0.3 | | | | | | |
| 12566+2101 | HO538AB | 2015.355 | 1 | 1.946 | 0.010 | 97.4* | 0.3 | | | | | | |
| 12566+2101 | HO538Aa,Ab | 2015.355 | 1 | 0.290 | 0.017 | 40.6 | 1.2 | | NDp | | | | |
| 12566+2101 | HO538Aa,Ab | 2015.355 | 1 | 0.283 | 0.007 | 40.3 | 2.2 | | NDp | | | | |
| 12574+7955 | MLR429 | 2015.303 | 1 | — | — | — | — | | NR | | | | |
| 12582+2431 | COU398 | 2015.270 | 1 | 0.818 | 0.021 | 47.6* | 0.3 | | | | | | |
| 12582+2431 | COU398 | 2015.121 | 1 | 0.804 | 0.007 | 47.8 | 0.3 | 0.61 | | | | | |
| 12587+2626 | COU479 | 2015.300 | 1 | 0.855 | 0.014 | 159.5* | 1.4 | | | | | | |
| 12587+2626 | COU479 | 2015.300 | 1 | 0.852 | 0.007 | 158.8* | 0.3 | 0.79 | | | | | |
| 12587+2728 | STF1699 | 2015.322 | 1 | 1.730 | 0.010 | 189.1* | 0.4 | 0.08 | | | | | |
| 12587+2728 | STF1699 | 2015.322 | 1 | 1.728 | 0.009 | 188.7* | 0.4 | | | | | | |
| 12591+4709 | HDS1821 | 2015.344 | 1 | 0.965 | 0.007 | 152.0* | 0.6 | | | | | | |
| 12591+4709 | HDS1821 | 2015.344 | 1 | 0.974 | 0.007 | 151.5 | 0.4 | | | | | | |
| 12595+3004 | A1852 | 2015.300 | 1 | 0.975 | 0.010 | 311.4* | 0.9 | | | | | | |
| 12595+3004 | A1852 | 2015.300 | 1 | 0.974 | 0.009 | 310.9* | 0.3 | | | | | | |
| 13001+2343 | A564 | 2015.322 | 1 | 1.699 | 0.016 | 319.8* | 0.3 | | | | | | |
| 13001+2343 | A564 | 2015.322 | 1 | 1.695 | 0.015 | 320.3* | 0.3 | | | | | | |
| 13001+7626 | MLR328 | 2015.303 | 1 | 0.391 | 0.046 | 233.9* | 0.6 | | | | | | |
| 13001+7626 | MLR328 | 2015.303 | 1 | 0.379 | 0.053 | 232.4 | 6.2 | 0.26 | | | | | |
| 13008+4213 | SKF276AB | 2015.121 | 1 | 3.123 | 0.016 | 44.4 | 0.3 | 4.72 | LY | | | | |
| 13011+3709 | TDS8644 | 2015.377 | 1 | — | — | — | — | | NR | | | | |
| 13012+1552 | STF1707AB | 2015.121 | 2 | 8.259 | 0.022 | 39.7 | 0.3 | 1.82 | | | | | |
| 13012+3852 | HU1142 | 2015.374 | 1 | 0.998 | 0.007 | 155.9* | 0.3 | | | | | | |
| 13012+3852 | HU1142 | 2015.374 | 1 | 0.971 | 0.010 | 155.2 | 0.5 | | | | | | |
| 13013+1748 | COU297 | 2015.270 | 1 | 0.182 | 0.027 | 197.2 | 4.7 | | | | | | |
| 13013+1748 | COU297 | 2015.270 | 1 | 0.148 | 0.037 | 200.2 | 4.7 | | | | | | |
| 13025+2330 | STF1709 | 2015.355 | 1 | 2.717 | 0.014 | 251.7* | 0.3 | | | | | | |
| 13025+2330 | STF1709 | 2015.355 | 1 | 2.708 | 0.014 | 251.5* | 0.3 | | | | | | |
| 13025+2858 | A1853 | 2015.344 | 1 | 1.352 | 0.009 | 305.3* | 0.3 | | | | | | |
| 13025+2858 | A1853 | 2015.344 | 1 | 1.380 | 0.014 | 304.0* | 0.8 | | | | | | |
| 13026+2318 | COU95 | 2015.404 | 1 | 0.701 | 0.023 | 285.3* | 0.7 | | | | | | |
| 13033+3435 | COU970 | 2015.270 | 1 | 0.215 | 0.037 | 108.0* | 0.9 | 0.10 | | | | | |
| 13033+3435 | COU970 | 2015.270 | 1 | 0.168 | 0.054 | 109.3* | 2.2 | | | | | | |
| 13039+3724 | TDS8673AB | 2015.377 | 1 | — | — | — | — | | NR | | | | |
| 13049+2438 | COU298 | 2015.322 | 1 | 0.307 | 0.016 | 7.5* | 1.2 | 0.03 | | | | | |
| 13049+2438 | COU298 | 2015.322 | 1 | 0.308 | 0.016 | 9.8* | 1.4 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 13050+5041 | LDS3070 | 2015.121 | 1 | — | — | — | — | | NR | | | | |
| 13054+7507 | MLR329 | 2015.303 | 1 | 1.035 | 0.007 | 60.9* | 0.4 | 0.83 | | | | | |
| 13054+7507 | MLR329 | 2015.303 | 1 | 1.042 | 0.008 | 61.1* | 0.5 | | | | | | |
| 13055+4141 | ES125 | 2015.374 | 1 | 2.395 | 0.012 | 118.8 | 0.3 | | | | | | |
| 13055+4141 | ES125 | 2015.374 | 1 | 2.403 | 0.012 | 119.2* | 0.3 | | | | | | |
| 13055+4141 | ES125Aa,Ab | 2015.374 | 1 | 0.295 | 0.054 | 34.4 | 2.6 | | NDp | | | | |
| 13055+4141 | ES125Aa,Ab | 2015.374 | 1 | 0.311 | 0.027 | 33.2 | 2.0 | | NDp | | | | |
| 13059+4516 | BU930 | 2015.355 | 1 | 2.844 | 0.029 | 126.1 | 0.4 | | | | | | |
| 13059+4516 | BU930 | 2015.355 | 1 | 2.809 | 0.023 | 125.8 | 0.3 | | | | | | |
| 13059+4516 | BU930Aa,Ab | 2015.355 | 1 | 0.160 | 0.053 | 27.2 | 5.2 | | NDp | | | | |
| 13059+4516 | BU930Aa,Ab | 2015.355 | 1 | 0.205 | 0.082 | 29.2 | 7.0 | | NDp | | | | |
| 13063+2044 | HU739 | 2015.322 | 1 | 1.559 | 0.008 | 199.2* | 0.4 | | | Izm2019 | -0.03 | -1.3 | |
| 13063+2044 | HU739 | 2015.322 | 1 | 1.586 | 0.008 | 199.5* | 0.5 | | | Izm2019 | -0.00 | -1.0 | |
| 13067+2853 | HDS1834 | 2015.344 | 1 | 0.720 | 0.020 | 152.1* | 1.7 | 0.57 | | | | | |
| 13067+2853 | HDS1834 | 2015.344 | 1 | 0.731 | 0.030 | 152.8* | 0.9 | | | | | | |
| 13068+2657 | L12 | 2015.374 | 1 | 0.311 | 0.008 | 33.8 | 1.8 | | | | | | |
| 13068+2657 | L12 | 2015.374 | 1 | 0.308 | 0.007 | 34.1 | 1.0 | | | | | | |
| 13069+2502 | HDS1835 | 2015.377 | 1 | 0.556 | 0.019 | 203.7 | 1.6 | | | | | | |
| 13069+2502 | HDS1835 | 2015.377 | 1 | 0.550 | 0.015 | 202.0* | 1.9 | | | | | | |
| 13084+1529 | STF1722 | 2015.374 | 1 | 2.660 | 0.013 | 336.4 | 0.6 | | | | | | |
| 13084+1529 | STF1722 | 2015.374 | 1 | 2.668 | 0.013 | 336.4* | 0.3 | | | | | | |
| 13091+2127 | HU572 | 2015.344 | 1 | 0.533 | 0.007 | 333.3* | 0.6 | | | FMR2012b | 0.01 | -1.5 | 3 |
| 13091+2127 | HU572 | 2015.344 | 1 | 0.515 | 0.007 | 333.9 | 0.9 | | | FMR2012b | -0.01 | -0.9 | 3 |
| 13101+3830 | BU608BC | 2015.344 | 1 | 1.283 | 0.013 | 269.0 | 0.5 | | | | | | |
| 13101+3830 | BU608BC | 2015.344 | 1 | 1.272 | 0.017 | 269.2* | 0.3 | | | | | | |
| 13104+3152 | BVD162 | 2015.121 | 1 | 2.739 | 0.014 | 273.8 | 0.3 | 2.78 | LY | | | | |
| 13104+3152 | BVD162 | 2015.355 | 1 | 2.745 | 0.014 | 273.5* | 0.4 | | | | | | |
| 13104+3152 | BVD162 | 2015.355 | 1 | 2.720 | 0.037 | 274.1* | 0.4 | 0.41 | | | | | |
| 13104+3152 | BVD162 | 2015.374 | 1 | 2.679 | 0.039 | 273.5* | 0.3 | 0.71 | | | | | |
| 13112+3050 | A1359AB | 2015.322 | 1 | 0.282 | 0.016 | 122.8* | 0.8 | 0.56 | | | | | |
| 13112+3050 | A1359AB | 2015.322 | 1 | 0.340 | 0.022 | 123.3* | 1.1 | 0.56 | | | | | |
| 13115+4407 | COU1910 | 2015.344 | 1 | 0.737 | 0.007 | 35.2* | 0.9 | | | | | | |
| 13115+4407 | COU1910 | 2015.344 | 1 | 0.735 | 0.007 | 35.3* | 1.2 | 0.88 | | | | | |
| 13120+3205 | STT261 | 2015.404 | 1 | 2.607 | 0.035 | 339.1* | 0.3 | 1.78 | | Izm2019 | 0.01 | 0.6 | 4 |
| 13120+3205 | STT261 | 2015.404 | 1 | 2.626 | 0.013 | 338.9* | 0.3 | | | Izm2019 | 0.03 | 0.4 | 4 |
| 13122+1608 | A2225 | 2015.355 | 1 | 2.988 | 0.015 | 72.1 | 0.3 | | | | | | |
| 13122+1608 | A2225 | 2015.355 | 1 | 3.013 | 0.038 | 72.0 | 0.4 | | | | | | |
| 13124+8028 | KUI61 | 2015.303 | 1 | 0.982 | 0.007 | 186.3* | 0.5 | | | | | | |
| 13124+8028 | KUI61 | 2015.303 | 1 | 0.982 | 0.007 | 186.6 | 0.4 | | | | | | |
| 13128+2743 | ALD2 | 2015.374 | 1 | 2.108 | 0.011 | 154.4 | 0.3 | | | | | | |
| 13128+2743 | ALD2 | 2015.374 | 1 | 2.108 | 0.011 | 154.4* | 0.3 | 0.30 | | | | | |
| 13131+2838 | COU400 | 2015.322 | 1 | 0.635 | 0.013 | 289.4* | 0.8 | 0.49 | | | | | |
| 13131+2838 | COU400 | 2015.322 | 1 | 0.632 | 0.037 | 288.0 | 1.3 | | | | | | |
| 13137+2949 | HO55AB | 2015.374 | 1 | — | — | — | — | | NR | | | | |
| 13141+3156 | A1854 | 2015.322 | 1 | 0.216 | 0.037 | 162.8* | 1.3 | | | | | | |
| 13141+3156 | A1854 | 2015.322 | 1 | 0.179 | 0.050 | 159.5* | 4.7 | | | | | | |
| 13149+4055 | COU1911 | 2015.322 | 1 | 0.526 | 0.014 | 86.8* | 1.9 | | | | | | |
| 13149+4055 | COU1911 | 2015.322 | 1 | 0.521 | 0.014 | 87.5* | 1.6 | 1.07 | | | | | |
| 13164+2906 | LDS6276AB | 2015.121 | 1 | 2.317 | 0.012 | 254.8 | 0.3 | 3.36 | LY | | | | |
| 13165+3432 | POP72 | 2015.344 | 1 | 1.730 | 0.021 | 318.1* | 0.8 | 0.97 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 13165+3432 | POP72 | 2015.344 | 1 | 1.712 | 0.017 | 317.4* | 0.3 | | | | | | |
| 13198+3517 | HEI520 | 2015.404 | 1 | 1.184 | 0.007 | 245.9* | 0.4 | 0.13 | | | | | |
| 13198+3517 | HEI520 | 2015.404 | 1 | 1.181 | 0.007 | 246.0* | 0.5 | | | | | | |
| 13211+2228 | HDS1873 | 2015.121 | 2 | 4.789 | 0.022 | 179.8 | 0.3 | 3.73 | | | | | |
| 13221+2755 | MLB646 | 2015.355 | 1 | 2.554 | 0.013 | 163.0 | 0.5 | | | | | | |
| 13221+2755 | MLB646 | 2015.355 | 1 | 2.542 | 0.013 | 162.8 | 0.3 | | | | | | |
| 13230+4058 | COU1582 | 2015.322 | 1 | 0.661 | 0.007 | 79.9* | 0.7 | | | | | | |
| 13230+4058 | COU1582 | 2015.322 | 1 | 0.658 | 0.007 | 80.1* | 0.4 | 0.21 | | | | | |
| 13232+4822 | COU1912 | 2015.374 | 2 | 0.231 | 0.010 | 155.8* | 1.2 | | | | | | |
| 13232+4822 | COU1912 | 2015.374 | 2 | 0.233 | 0.010 | 156.2* | 1.0 | | | | | | |
| 13244+1514 | A1788 | 2015.377 | 1 | 2.266 | 0.011 | 142.6* | 0.3 | | | | | | |
| 13244+1514 | A1788 | 2015.377 | 1 | 2.269 | 0.011 | 142.7 | 0.3 | | | | | | |
| 13252+1518 | J749 | 2015.355 | 1 | 2.711 | 0.014 | 286.6* | 0.3 | | | | | | |
| 13252+1518 | J749 | 2015.355 | 1 | 2.709 | 0.014 | 286.7* | 0.3 | | | | | | |
| 13258+4430 | A1609AB,E | 2015.374 | 1 | 2.855 | 0.017 | 41.3 | 0.3 | | NDp | | | | |
| 13258+4430 | A1609AB,E | 2015.374 | 1 | 2.879 | 0.014 | 41.5 | 0.3 | | NDp | | | | |
| 13258+4430 | A1609AB,C | 2015.374 | 1 | 2.510 | 0.013 | 39.6 | 0.3 | | | | | | |
| 13258+4430 | A1609AB,C | 2015.374 | 1 | 2.508 | 0.013 | 39.8 | 0.3 | | | | | | |
| 13258+4430 | A1609AB | 2015.374 | 1 | 0.381 | 0.007 | 52.4 | 1.1 | | | Hei1991 | 0.01 | -2.3 | 2 |
| 13258+4430 | A1609AB | 2015.374 | 1 | 0.385 | 0.007 | 53.3 | 0.4 | | | Hei1991 | 0.01 | -1.4 | 2 |
| 13266+3235 | COU787 | 2015.344 | 1 | 0.138 | 0.057 | 106.5 | 5.9 | | | | | | |
| 13266+3235 | COU787 | 2015.344 | 1 | 0.235 | 0.027 | 102.7 | 2.3 | | | | | | |
| 13266+4611 | COU1913 | 2015.322 | 2 | 0.227 | 0.007 | 157.2* | 0.4 | 0.68 | | | | | |
| 13266+4611 | COU1913 | 2015.322 | 1 | 0.221 | 0.012 | 157.7* | 0.6 | | | | | | |
| 13268+5043 | COU2190 | 2015.374 | 1 | 0.444 | 0.013 | 217.6* | 0.9 | | | | | | |
| 13268+5043 | COU2190 | 2015.374 | 1 | 0.440 | 0.007 | 218.1* | 0.3 | | | | | | |
| 13280+3235 | A1856 | 2015.344 | 1 | 1.071 | 0.010 | 343.9* | 0.6 | 0.56 | | | | | |
| 13280+3235 | A1856 | 2015.344 | 1 | 1.075 | 0.007 | 344.3* | 0.8 | | | | | | |
| 13284+3643 | COU1428 | 2015.322 | 1 | 0.387 | 0.007 | 70.2* | 1.4 | | | | | | |
| 13284+3643 | COU1428 | 2015.322 | 1 | 0.383 | 0.075 | 69.3* | 5.1 | 0.02 | | | | | |
| 13291+1907 | BRT2416 | 2015.355 | 1 | 2.863 | 0.014 | 203.1 | 0.3 | | | | | | |
| 13291+1907 | BRT2416 | 2015.355 | 1 | 2.849 | 0.014 | 203.5* | 0.3 | 0.33 | | | | | |
| 13293+2405 | POU3142 | 2015.121 | 2 | 7.478 | 0.022 | 210.5 | 0.3 | 3.04 | | | | | |
| 13296+4120 | TDS8853 | 2015.377 | 1 | 0.232 | 0.007 | 135.8 | 1.6 | | | | | | |
| 13296+4120 | TDS8853 | 2015.377 | 1 | 0.256 | 0.018 | 139.3 | 2.2 | | | | | | |
| 13305+3430 | A1857 | 2015.322 | 1 | 0.462 | 0.008 | 161.8 | 0.7 | | | | | | |
| 13305+3430 | A1857 | 2015.322 | 1 | 0.457 | 0.007 | 162.8 | 0.9 | | | | | | |
| 13309+2414 | GAT2Ba,Bb | 2015.355 | 1 | 1.578 | 0.008 | 215.6* | 0.3 | 0.05 | | | | | |
| 13318+2917 | BEU17 | 2015.404 | 1 | 0.139 | 0.037 | 50.9 | 6.9 | | | | | | |
| 13318+2917 | BEU17 | 2015.404 | 1 | 0.185 | 0.037 | 48.2 | 4.9 | | | | | | |
| 13320+3045 | COU599 | 2015.322 | 1 | 1.044 | 0.007 | 43.2* | 0.3 | | | | | | |
| 13328+2421 | A567 | 2015.377 | 1 | 1.457 | 0.014 | 255.7 | 0.7 | | | | | | |
| 13328+2421 | A567 | 2015.377 | 1 | 1.458 | 0.007 | 255.8* | 0.4 | | | | | | |
| 13329+3454 | STT269AB | 2015.374 | 1 | 0.342 | 0.031 | 225.1 | 1.8 | | | Hei1997 | 0.03 | -0.1 | 2 |
| 13329+3454 | STT269AB | 2015.374 | 1 | 0.352 | 0.036 | 224.1* | 1.2 | | | Hei1997 | 0.04 | -1.1 | 2 |
| 13329+4408 | HDS1899AB | 2015.355 | 1 | 2.624 | 0.013 | 118.4 | 0.3 | | | | | | |
| 13329+4408 | HDS1899AB | 2015.355 | 1 | 2.611 | 0.021 | 118.7 | 0.4 | | | | | | |
| 13329+4408 | HDS1899Aa,Ab | 2015.355 | 1 | 0.303 | 0.013 | 29.4 | 0.8 | | NDp | | | | |
| 13329+4408 | HDS1899Aa,Ab | 2015.355 | 1 | 0.281 | 0.030 | 26.4 | 2.6 | | NDp | | | | |
| 13336+2944 | A1095 | 2015.322 | 1 | 0.303 | 0.026 | 287.9* | 2.3 | | | Ole2002a | -0.03 | 0.2 | 4 |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 13336+2944 | A1095 | 2015.322 | 1 | 0.278 | 0.036 | 289.8* | 1.8 | | | Ole2002a | -0.06 | 2.1 | 4 |
| 13343+3044 | COU600 | 2015.374 | 1 | 0.528 | 0.007 | 60.8* | 0.4 | 0.27 | | | | | |
| 13343+3044 | COU600 | 2015.374 | 1 | 0.526 | 0.007 | 60.5* | 0.7 | | | | | | |
| 13346+3308 | BU933AB | 2015.377 | 1 | 2.796 | 0.014 | 22.5* | 0.4 | | | | | | |
| 13346+3308 | BU933AB | 2015.377 | 1 | 2.798 | 0.020 | 22.5 | 0.3 | | | | | | |
| 13348+4242 | HDS1908 | 2015.374 | 1 | 0.502 | 0.007 | 31.9* | 0.8 | | | | | | |
| 13348+4242 | HDS1908 | 2015.374 | 1 | 0.507 | 0.007 | 32.0* | 0.8 | | | | | | |
| 13357+3935 | COU1583 | 2015.377 | 1 | 1.066 | 0.007 | 60.8* | 0.3 | | | | | | |
| 13357+3935 | COU1583 | 2015.377 | 1 | 1.064 | 0.015 | 60.6* | 1.3 | 1.57 | | | | | |
| 13360+2123 | HU741 | 2015.355 | 1 | 0.232 | 0.042 | 182.4* | 1.5 | | | | | | |
| 13360+2123 | HU741 | 2015.355 | 1 | 0.269 | 0.019 | 183.6* | 1.5 | | | | | | |
| 13370+1559 | HJ3340 | 2015.377 | 1 | 2.155 | 0.014 | 214.6* | 0.3 | | | | | | |
| 13370+1559 | HJ3340 | 2015.377 | 1 | 2.168 | 0.019 | 214.4* | 0.3 | 0.90 | | | | | |
| 13381+3910 | STF1769AB | 2015.344 | 1 | 1.590 | 0.010 | 45.5* | 0.3 | | | Izm2019 | 0.04 | 0.9 | 5 |
| 13381+3910 | STF1769AB | 2015.344 | 1 | 1.590 | 0.008 | 45.1 | 0.5 | | | Izm2019 | 0.04 | 0.9 | 5 |
| 13389+2127 | HU645 | 2015.374 | 1 | 0.781 | 0.008 | 25.2* | 0.8 | 0.04 | | | | | |
| 13389+2127 | HU645 | 2015.374 | 1 | 0.793 | 0.007 | 24.6* | 0.4 | | | | | | |
| 13395+4720 | COU2191 | 2015.344 | 1 | 1.651 | 0.034 | 129.4* | 0.4 | | | | | | |
| 13395+4720 | COU2191 | 2015.344 | 1 | 1.657 | 0.041 | 129.8* | 0.8 | 1.06 | | | | | |
| 13398+3625 | COU1264 | 2015.374 | 1 | 0.379 | 0.007 | 259.1* | 0.6 | 0.25 | | | | | |
| 13398+3625 | COU1264 | 2015.374 | 1 | 0.318 | 0.007 | 259.9* | 0.7 | | | | | | |
| 13408+3644 | MLB934 | 2015.355 | 1 | 2.615 | 0.026 | 16.8* | 0.3 | | | | | | |
| 13408+3644 | MLB934 | 2015.355 | 1 | 2.649 | 0.013 | 17.5* | 0.5 | 0.34 | | | | | |
| 13425+4002 | COU1430 | 2015.355 | 1 | 0.491 | 0.007 | 251.3* | 0.9 | 0.97 | | | | | |
| 13425+4002 | COU1430 | 2015.355 | 1 | 0.468 | 0.025 | 251.1* | 1.7 | | | | | | |
| 13447+4031 | TDS8952 | 2015.404 | 1 | 0.845 | 0.007 | 185.4* | 0.5 | | | | | | |
| 13447+4031 | TDS8952 | 2015.404 | 1 | 0.855 | 0.007 | 185.5* | 0.6 | 0.14 | | | | | |
| 13465+1545 | A2063 | 2015.404 | 1 | 0.179 | 0.024 | 130.7* | 2.4 | | | | | | |
| 13465+1545 | A2063 | 2015.404 | 1 | 0.213 | 0.047 | 133.3* | 2.7 | | | | | | |
| 13482+2248 | COU401 | 2015.355 | 1 | — | — | — | — | | NR | | | | |
| 13527+2116 | COU183 | 2015.377 | 1 | 1.323 | 0.007 | 129.8* | 0.3 | | | | | | |
| 13527+2116 | COU183 | 2015.377 | 1 | 1.331 | 0.007 | 129.9* | 0.6 | | | | | | |
| 13535+3618 | COU1134 | 2015.404 | 1 | 1.561 | 0.008 | 250.6* | 0.3 | | | | | | |
| 13535+3618 | COU1134 | 2015.404 | 1 | 1.560 | 0.008 | 250.8* | 0.4 | 2.46 | | | | | |
| 13567+3010 | A686 | 2015.420 | 1 | 1.694 | 0.008 | 162.1* | 0.4 | | | | | | |
| 13567+3010 | A686 | 2015.420 | 1 | 1.691 | 0.008 | 162.1* | 0.3 | | | | | | |
| 13590+1610 | HEI232 | 2015.404 | 1 | 1.864 | 0.024 | 63.5* | 0.5 | | | | | | |
| 13590+1610 | HEI232 | 2015.404 | 1 | 1.885 | 0.011 | 63.5* | 0.6 | 0.52 | | | | | |
| 14014+1710 | COU2193 | 2015.437 | 1 | 2.183 | 0.015 | 316.2* | 0.3 | | | | | | |
| 14014+1710 | COU2193 | 2015.437 | 1 | 2.174 | 0.011 | 316.0* | 0.3 | | | | | | |
| 14034+1740 | A2064 | 2015.374 | 1 | 1.075 | 0.015 | 176.7 | 1.2 | | | | | | |
| 14034+1740 | A2064 | 2015.374 | 1 | 1.071 | 0.007 | 175.9* | 0.3 | | | | | | |
| 14037+1914 | LDS5806 | 2015.374 | 1 | 2.090 | 0.063 | 297.0* | 1.0 | | | | | | |
| 14037+1914 | LDS5806 | 2015.374 | 1 | 2.094 | 0.018 | 296.3* | 0.6 | 0.24 | | | | | |
| 14046+3425 | HU646 | 2015.377 | 1 | 2.096 | 0.014 | 24.6 | 1.0 | | | | | | |
| 14046+3425 | HU646 | 2015.377 | 1 | 2.100 | 0.018 | 24.8 | 1.1 | | | | | | |
| 14059+4059 | COU1585 | 2015.374 | 1 | 0.920 | 0.007 | 215.2 | 0.3 | | | | | | |
| 14059+4059 | COU1585 | 2015.374 | 1 | 0.920 | 0.007 | 215.8* | 0.3 | 0.46 | | | | | |
| 14063+2200 | HDS1978Aa,Ab | 2015.377 | 1 | 0.348 | 0.013 | 33.4 | 2.1 | | NDp | | | | |
| 14063+2200 | HDS1978Aa,Ab | 2015.377 | 1 | 0.353 | 0.012 | 32.5 | 0.8 | | NDp | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 14063+2200 | HDS1978AB | 2015.377 | 1 | 1.113 | 0.016 | 122.0* | 1.0 | | | | | | |
| 14063+2200 | HDS1978AB | 2015.377 | 1 | 1.103 | 0.007 | 122.3* | 0.5 | | | | | | |
| 14081+4503 | COU1755 | 2015.404 | 1 | 1.185 | 0.007 | 164.5* | 0.3 | | | | | | |
| 14081+4503 | COU1755 | 2015.404 | 1 | 1.184 | 0.007 | 164.6* | 0.3 | 1.28 | | | | | |
| 14083+1644 | A2065 | 2015.437 | 1 | 1.627 | 0.012 | 341.6* | 0.4 | | | | | | |
| 14083+1644 | A2065 | 2015.437 | 1 | 1.622 | 0.018 | 342.1* | 0.6 | | | | | | |
| 14084+2910 | A1363 | 2015.420 | 1 | 2.623 | 0.039 | 230.1* | 1.1 | | | | | | |
| 14084+2910 | A1363 | 2015.420 | 1 | 2.581 | 0.015 | 230.4* | 0.5 | | | | | | |
| 14092+1811 | COU2507 | 2015.404 | 1 | 1.521 | 0.020 | 136.7* | 0.4 | | | | | | |
| 14092+1811 | COU2507 | 2015.404 | 1 | 1.516 | 0.008 | 136.9* | 0.3 | 1.63 | | | | | |
| 14101+2636 | STF1808AB | 2015.355 | 1 | 2.598 | 0.013 | 81.9* | 0.3 | | | | | | |
| 14101+2636 | STF1808AB | 2015.355 | 1 | 2.604 | 0.013 | 82.1 | 0.3 | | | | | | |
| 14108+3642 | SKF341 | 2015.355 | 1 | 3.066 | 0.104 | 277.1* | 1.9 | | | | | | |
| 14108+3642 | SKF341 | 2015.355 | 1 | 3.113 | 0.166 | 275.6* | 2.3 | | | | | | |
| 14111+3628 | HU1264AC | 2015.374 | 1 | 1.710 | 0.009 | 2.1 | 0.6 | | NDp | | | | |
| 14111+3628 | HU1264AC | 2015.374 | 1 | 1.714 | 0.021 | 2.4 | 0.3 | | NDp | | | | |
| 14111+3628 | HU1264AB | 2015.374 | 1 | 1.351 | 0.007 | 359.5 | 0.3 | | | | | | |
| 14111+3628 | HU1264AB | 2015.374 | 1 | 1.354 | 0.007 | 359.7 | 0.3 | | | | | | |
| 14111+3628 | HU1264AB | 2015.376 | 1 | 1.362 | 0.007 | 359.7 | 0.3 | 1.38 | LY | | | | |
| 14111+3628 | GHI96Aa,Ab | 2015.374 | 1 | 0.328 | 0.007 | 197.6 | 0.3 | | | | | | |
| 14111+3628 | GHI96Aa,Ab | 2015.374 | 1 | 0.393 | 0.024 | 199.4 | 2.4 | | | | | | |
| 14111+3628 | GHI96Aa,Ab | 2015.374 | 1 | 0.401 | 0.027 | 196.9 | 1.6 | | | | | | |
| 14111+3628 | GHI96Aa,Ab | 2015.376 | 1 | 0.364 | 0.007 | 192.4 | 0.3 | 2.02 | LY | | | | |
| 14113+3013 | COU605 | 2015.377 | 1 | 0.242 | 0.023 | 338.2* | 1.3 | | | | | | |
| 14113+3013 | COU605 | 2015.377 | 1 | 0.235 | 0.021 | 336.4* | 4.3 | | | | | | |
| 14122+2626 | J750 | 2015.355 | 1 | 2.254 | 0.011 | 93.9* | 0.3 | | | | | | |
| 14122+2626 | J750 | 2015.355 | 1 | 2.263 | 0.011 | 93.6* | 0.3 | 1.00 | | | | | |
| 14122+4225 | HO57AB | 2015.355 | 1 | 2.553 | 0.013 | 24.7 | 0.3 | | | | | | |
| 14122+4225 | HO57AB | 2015.355 | 1 | 2.551 | 0.013 | 24.3 | 0.3 | | | | | | |
| 14122+4225 | HO57Aa,Ab | 2015.355 | 1 | 0.373 | 0.007 | 23.9 | 0.7 | | NDp | | | | |
| 14122+4225 | HO57Aa,Ab | 2015.355 | 1 | 0.375 | 0.007 | 24.6 | 0.7 | | NDp | | | | |
| 14122+4411 | STT278 | 2015.377 | 1 | 0.394 | 0.013 | 275.5* | 1.6 | | | Hrt2009 | 0.01 | 0.5 | 3 |
| 14122+4411 | STT278 | 2015.377 | 1 | 0.396 | 0.021 | 274.0* | 2.2 | | | Hrt2009 | 0.01 | -1.0 | 3 |
| 14124+2843 | STT277AB | 2015.374 | 1 | — | — | — | — | | NR | | | | |
| 14138+1720 | HDS1998AB | 2015.431 | 1 | 0.912 | 0.015 | 359.6* | 0.3 | | | | | | |
| 14138+1720 | HDS1998AB | 2015.431 | 1 | 0.921 | 0.009 | 359.7* | 1.2 | | | | | | |
| 14139+2906 | STF1816 | 2015.374 | 1 | 0.410 | 0.018 | 98.3 | 0.9 | | | Zir2014a | 0.02 | 0.3 | 4 |
| 14139+2906 | STF1816 | 2015.374 | 1 | 0.407 | 0.007 | 98.6* | 0.3 | | | Zir2014a | 0.07 | -2.7 | 4 |
| 14142+2642 | STF1817 | 2015.377 | 1 | — | — | — | — | | NR | | | | |
| 14146+2702 | COU481 | 2015.404 | 1 | 1.241 | 0.007 | 1.6* | 0.3 | | | | | | |
| 14146+2702 | COU481 | 2015.404 | 1 | 1.232 | 0.026 | 359.9* | 1.4 | | | | | | |
| 14164+3708 | HDS2005AB | 2015.420 | 2 | 0.293 | 0.010 | 125.6 | 0.3 | | | | | | |
| 14164+3708 | HDS2005Aa,Ab | 2015.437 | 1 | 0.129 | 0.015 | 173.4 | 1.8 | | NDg | | | | |
| 14171+5100 | A147 | 2015.374 | 1 | 0.623 | 0.015 | 106.8* | 0.9 | | | | | | |
| 14171+5100 | A147 | 2015.374 | 1 | 0.620 | 0.007 | 106.8* | 0.3 | | | | | | |
| 14175+1722 | A2067 | 2015.377 | 1 | 0.165 | 0.007 | 91.4 | 0.9 | | | | | | |
| 14175+1722 | A2067 | 2015.377 | 1 | 0.134 | 0.021 | 97.5 | 5.5 | | | | | | |
| 14198+3016 | TDS9165 | 2015.374 | 1 | 3.092 | 0.024 | 353.9 | 0.3 | | | | | | |
| 14198+3016 | TDS9165 | 2015.374 | 1 | 3.101 | 0.016 | 353.8* | 0.3 | 0.05 | | | | | |
| 14203+4830 | STF1834 | 2015.437 | 1 | 1.641 | 0.008 | 103.2* | 0.3 | 0.73 | | WSI2015 | 0.04 | -0.1 | 3 |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 14203+4830 | STF1834 | 2015.437 | 1 | 1.647 | 0.012 | 103.1* | 0.3 | | | WSI2015 | 0.05 | -0.2 | 3 |
| 14205+2634 | DAN1 | 2015.404 | 1 | 0.346 | 0.007 | 90.8 | 1.6 | | | | | | |
| 14205+2634 | DAN1 | 2015.404 | 1 | 0.358 | 0.013 | 94.1 | 1.5 | | | | | | |
| 14233+2111 | COU61 | 2015.431 | 1 | 1.894 | 0.009 | 100.0* | 0.4 | 0.02 | | | | | |
| 14233+2111 | COU61 | 2015.431 | 1 | 1.869 | 0.019 | 99.9* | 0.7 | | | | | | |
| 14234+4736 | A149AB | 2015.374 | 1 | 0.794 | 0.026 | 121.1* | 2.2 | | | | | | |
| 14234+4736 | A149AB | 2015.374 | 1 | 0.798 | 0.020 | 123.0* | 0.5 | 0.93 | | | | | |
| 14240+1747 | BRT2290 | 2015.355 | 1 | 2.956 | 0.015 | 102.5* | 0.3 | 0.22 | | | | | |
| 14240+1747 | BRT2290 | 2015.355 | 1 | 2.964 | 0.017 | 102.8* | 0.3 | | | | | | |
| 14260+3422 | SKF277AF | 2015.121 | 1 | 2.441 | 0.012 | 292.9 | 0.3 | 4.51 | | | | | |
| 14280+3546 | COU1266AB | 2015.374 | 1 | 1.224 | 0.007 | 238.1 | 0.6 | | | | | | |
| 14280+3546 | COU1266AB | 2015.374 | 1 | 1.227 | 0.007 | 237.9* | 0.3 | 0.73 | | | | | |
| 14312+3426 | HU904 | 2015.377 | 1 | 1.844 | 0.015 | 172.3* | 0.3 | | | | | | |
| 14312+3426 | HU904 | 2015.377 | 1 | 1.860 | 0.009 | 172.5* | 0.5 | | | | | | |
| 14313+3547 | TDS9228 | 2015.437 | 1 | — | — | — | — | | NR | | | | |
| 14323+2641 | A570AB | 2015.374 | 1 | 0.114 | 0.019 | 124.0* | 0.9 | | | Sca2020d | -0.04 | 3.8 ^Q | 1 |
| 14323+2641 | A570AB | 2015.374 | 1 | 0.176 | 0.019 | 126.5* | 0.7 | | | Sca2020d | 0.02 | 6.3 ^Q | 1 |
| 14323+2641 | A570AB | 2015.374 | 1 | 0.169 | 0.020 | 123.8* | 2.8 | | | Sca2020d | 0.01 | 3.6 ^Q | 1 |
| 14325+4911 | STT581A,BE | 2015.404 | 1 | 8.182 | 0.117 | 38.7 | 0.7 | | NDp | | | | |
| 14325+4911 | STT581A,BE | 2015.404 | 1 | 8.203 | 0.041 | 38.0 | 0.7 | | NDp | | | | |
| 14325+4911 | STT581AD | 2015.404 | 1 | 6.681 | 0.033 | 130.4 | 0.3 | | NDp | | | | |
| 14325+4911 | STT581AD | 2015.404 | 1 | 6.716 | 0.034 | 130.4 | 0.3 | 0.79 | NDp | | | | |
| 14325+4911 | STT581AC | 2015.404 | 1 | 5.648 | 0.028 | 129.6 | 0.3 | | | | | | |
| 14325+4911 | STT581AC | 2015.404 | 1 | 5.642 | 0.028 | 129.7 | 0.3 | | | | | | |
| 14325+4911 | HU57BC | 2015.404 | 1 | 1.654 | 0.009 | 148.2 | 0.7 | | | | | | |
| 14325+4911 | HU57BC | 2015.404 | 1 | 1.564 | 0.063 | 147.2 | 2.5 | | | | | | |
| 14339+2949 | AGC6 | 2015.374 | 1 | 0.765 | 0.015 | 132.7 | 1.1 | | | | | | |
| 14339+2949 | AGC6 | 2015.374 | 1 | 0.777 | 0.010 | 133.4* | 0.6 | 1.12 | | | | | |
| 14345+3801 | HDS2057AB | 2015.437 | 1 | 0.776 | 0.027 | 117.0* | 1.8 | | | | | | |
| 14345+3801 | HDS2057AB | 2015.437 | 1 | 0.776 | 0.007 | 116.4* | 0.3 | | | | | | |
| 14356+1554 | HEI233 | 2015.459 | 1 | 1.117 | 0.014 | 4.6* | 0.3 | | | | | | |
| 14356+1554 | HEI233 | 2015.459 | 1 | 1.125 | 0.010 | 4.5* | 0.5 | 0.11 | | | | | |
| 14367+2014 | COU98 | 2015.377 | 1 | 0.229 | 0.047 | 171.6* | 4.2 | | | | | | |
| 14367+2014 | COU98 | 2015.377 | 1 | 0.137 | 0.081 | 172.3 | 4.7 | | | | | | |
| 14375+4743 | TDS9251Ca,Cb | 2015.121 | 1 | 0.377 | 0.007 | 296.8 | 0.3 | 1.80 | LY | | | | |
| 14375+4743 | TDS9251Ca,Cb | 2015.420 | 1 | 0.407 | 0.007 | 303.1 | 0.4 | | | | | | |
| 14375+4743 | TDS9251Ca,Cb | 2015.420 | 1 | 0.466 | 0.065 | 302.8 | 1.3 | | | | | | |
| 14380+5135 | STF1863 | 2015.374 | 1 | 0.681 | 0.007 | 60.2* | 0.9 | | | Zir2013a | 0.03 | 0.1 | 4 |
| 14380+5135 | STF1863 | 2015.374 | 1 | 0.677 | 0.010 | 60.4 | 0.9 | | | Zir2013a | 0.03 | 0.3 | 4 |
| 14407+3117 | STF1867 | 2015.374 | 1 | 0.682 | 0.013 | 353.6 | 0.9 | | | Zir2013a | 0.02 | 0.1 | 4 |
| 14407+3117 | STF1867 | 2015.374 | 1 | 0.686 | 0.007 | 353.1* | 0.3 | | | Zir2013a | 0.03 | -0.4 | 4 |
| 14416+2747 | COU407 | 2015.377 | 1 | 0.444 | 0.011 | 114.4* | 0.8 | | | | | | |
| 14416+2747 | COU407 | 2015.377 | 1 | 0.416 | 0.013 | 113.1* | 0.3 | | | | | | |
| 14419+2107 | HDS2071AC | 2015.437 | 1 | 0.488 | 0.007 | 28.1 | 0.7 | | NDg | | | | |
| 14432+2246 | COU99 | 2015.377 | 1 | 0.632 | 0.012 | 26.8 | 1.0 | | | | | | |
| 14432+2246 | COU99 | 2015.377 | 1 | 0.631 | 0.015 | 26.2 | 1.9 | | | | | | |
| 14435+3407 | TDS9286 | 2015.420 | 1 | — | — | — | — | | NR | | | | |
| 14444+4124 | KU49 | 2015.374 | 1 | 1.610 | 0.008 | 206.3 | 0.3 | | | | | | |
| 14444+4124 | KU49 | 2015.374 | 1 | 1.607 | 0.008 | 206.0* | 0.3 | | | | | | |
| 14455+4223 | STT285AB | 2015.404 | 1 | 0.507 | 0.007 | 81.1* | 0.9 | | | Sca2015b | 0.01 | -0.2 | 2 |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 14455+4223 | STT285AB | 2015.404 | 1 | 0.515 | 0.008 | 81.7* | 0.7 | | | Sca2015b | 0.02 | 0.4 | 2 |
| 14476+3354 | TDS9308AB | 2015.404 | 1 | — | — | — | — | | NR | | | | |
| 14484+2422 | STF1884 | 2015.431 | 1 | 2.191 | 0.011 | 54.6* | 0.3 | | | Izm2019 | 0.04 | 0.2 | 4 |
| 14484+2422 | STF1884 | 2015.431 | 1 | 2.184 | 0.011 | 54.9* | 0.3 | | | Izm2019 | 0.03 | 0.5 | 4 |
| 14491+4058 | HDS2088 | 2015.420 | 1 | 1.322 | 0.010 | 90.4* | 0.7 | | | | | | |
| 14491+4058 | HDS2088 | 2015.420 | 1 | 1.318 | 0.019 | 89.6* | 0.7 | | | | | | |
| 14497+4843 | STF1890 | 2015.437 | 1 | 2.632 | 0.013 | 45.7* | 0.3 | | | Izm2019 | 0.04 | -0.1 | 4 |
| 14497+4843 | STF1890 | 2015.437 | 1 | 2.628 | 0.013 | 45.5* | 0.3 | 2.01 | | Izm2019 | 0.04 | -0.3 | 4 |
| 14503+2355 | POT1Ba,Bb | 2015.355 | 1 | 0.387 | 0.018 | 31.8 | 1.1 | | | NDp | | | |
| 14503+2355 | POT1Ba,Bb | 2015.355 | 1 | 0.362 | 0.024 | 32.4 | 3.4 | | | NDp | | | |
| 14503+2355 | POT1BC | 2015.355 | 1 | — | — | — | — | | | NR | | | |
| 14512+5038 | TDS9323 | 2015.437 | 1 | — | — | — | — | | | NR | | | |
| 14516+3553 | TDS9327 | 2015.420 | 1 | 0.735 | 0.013 | 44.9* | 0.3 | 0.53 | | | | | |
| 14521+2017 | HO389 | 2015.459 | 1 | 1.490 | 0.013 | 86.0* | 0.5 | | | | | | |
| 14521+2017 | HO389 | 2015.459 | 1 | 1.491 | 0.007 | 85.7 | 0.3 | | | | | | |
| 14523+4413 | COU1588 | 2015.431 | 1 | 1.040 | 0.009 | 204.1* | 1.1 | | | | | | |
| 14523+4413 | COU1588 | 2015.431 | 1 | 1.046 | 0.008 | 204.5* | 1.4 | | | | | | |
| 14524+1757 | A2071 | 2015.420 | 1 | 1.362 | 0.010 | 270.6* | 0.3 | 1.75 | | | | | |
| 14524+1757 | A2071 | 2015.420 | 1 | 1.366 | 0.017 | 271.0* | 0.8 | 1.73 | | | | | |
| 14524+1757 | A2071 | 2015.422 | 1 | 1.376 | 0.007 | 270.7 | 0.3 | | | | | | |
| 14524+1757 | A2071 | 2015.422 | 1 | 1.377 | 0.018 | 270.7 | 1.0 | | | | | | |
| 14534+1542 | STT288 | 2015.431 | 1 | 1.027 | 0.018 | 159.3* | 0.3 | | | Hei1998 | 0.02 | 0.9 | 4 |
| 14534+1542 | STT288 | 2015.431 | 1 | 1.019 | 0.020 | 159.1* | 0.3 | | | Hei1998 | 0.01 | 0.7 | 4 |
| 14551+4304 | A1626 | 2015.355 | 1 | 2.660 | 0.013 | 44.9* | 0.3 | | | | | | |
| 14551+4304 | A1626 | 2015.355 | 1 | 2.644 | 0.013 | 45.0* | 0.3 | 3.63 | | | | | |
| 14560+3807 | TDS9348 | 2015.404 | 1 | 1.694 | 0.008 | 78.7* | 0.3 | 0.95 | | | | | |
| 14569+2034 | HU648 | 2015.437 | 1 | 1.466 | 0.014 | 135.8* | 0.4 | | | | | | |
| 14569+2034 | HU648 | 2015.437 | 1 | 1.475 | 0.013 | 135.5* | 0.3 | | | | | | |
| 14569+3429 | HDS2110 | 2015.431 | 1 | 1.424 | 0.012 | 22.4* | 0.4 | | | | | | |
| 14569+3429 | HDS2110 | 2015.431 | 1 | 1.419 | 0.033 | 22.5* | 1.3 | | | | | | |
| 14575+2042 | MLR532 | 2015.355 | 1 | 0.665 | 0.013 | 67.9* | 1.0 | 0.28 | | | | | |
| 14575+2042 | MLR532 | 2015.355 | 1 | 0.663 | 0.007 | 67.7* | 0.8 | | | | | | |
| 14581+3556 | TDS9353 | 2015.404 | 1 | — | — | — | — | | | NR | | | |
| 14588+3551 | GUR38AB,C | 2015.420 | 1 | 5.818 | 0.029 | 50.4 | 0.3 | | | | | | |
| 14588+3551 | GUR38AB,C | 2015.420 | 1 | 5.810 | 0.029 | 50.3 | 0.3 | | | | | | |
| 14588+3551 | COU1136AB | 2015.420 | 1 | — | — | — | — | | | NR | | | |
| 14599+3233 | TDS9363 | 2015.437 | 1 | 0.258 | 0.007 | 85.6* | 0.5 | | | | | | |
| 15011+2051 | TDS9375 | 2015.437 | 1 | — | — | — | — | | | NR | | | |
| 15016+4513 | BRT338 | 2015.355 | 1 | 2.897 | 0.021 | 186.0* | 0.4 | 0.18 | | | | | |
| 15016+4513 | BRT338 | 2015.355 | 1 | 2.900 | 0.014 | 186.1* | 0.3 | | | | | | |
| 15018+5128 | ES739 | 2015.459 | 1 | 2.109 | 0.052 | 159.6* | 0.5 | 2.35 | | | | | |
| 15018+5128 | ES739 | 2015.459 | 1 | 2.100 | 0.023 | 159.5* | 0.3 | | | | | | |
| 15020+4002 | ES1550 | 2015.355 | 1 | 1.793 | 0.020 | 162.9* | 0.3 | 2.97 | | | | | |
| 15020+4002 | ES1550 | 2015.355 | 1 | 1.796 | 0.010 | 163.0* | 0.3 | | | | | | |
| 15031+4439 | CHR43 | 2015.431 | 1 | — | — | — | — | | | NR | | | |
| 15035+5153 | TDS9385 | 2015.459 | 1 | 0.650 | 0.009 | 270.2* | 1.0 | | | | | | |
| 15035+5153 | TDS9385 | 2015.459 | 1 | 0.651 | 0.007 | 269.4* | 0.8 | | | | | | |
| 15045+1950 | HU745 | 2015.437 | 1 | 0.596 | 0.014 | 21.4* | 1.3 | | | | | | |
| 15045+1950 | HU745 | 2015.437 | 1 | 0.577 | 0.007 | 21.7* | 1.5 | | | | | | |
| 15049+3428 | STF1908AB | 2015.431 | 1 | 1.323 | 0.010 | 152.1* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 15049+3428 | STF1908AB | 2015.431 | 1 | 1.334 | 0.020 | 152.3* | 0.3 | | | | | | |
| 15052+3553 | TDS9396 | 2015.437 | 1 | — | — | — | — | | NR | | | | |
| 15063+3041 | TDS9404 | 2015.404 | 1 | — | — | — | — | | NR | | | | |
| 15073+1827 | A2385AB | 2015.420 | 1 | — | — | — | — | | NR | | | | |
| 15092+3508 | COU972 | 2015.355 | 1 | 1.458 | 0.018 | 143.2* | 0.3 | 1.62 | | | | | |
| 15092+3508 | COU972 | 2015.355 | 1 | 1.433 | 0.017 | 143.4* | 1.1 | | | | | | |
| 15098+4308 | TDS9425 | 2015.459 | 1 | 0.599 | 0.010 | 295.3* | 1.5 | 0.45 | | | | | |
| 15098+4308 | TDS9425 | 2015.459 | 1 | 0.583 | 0.031 | 295.2* | 1.2 | | | | | | |
| 15098+4308 | TDS9425 | 2015.461 | 1 | 0.601 | 0.007 | 295.6 | 0.3 | 3.46 | LY | | | | |
| 15100+2807 | TDS768 | 2015.437 | 1 | 0.901 | 0.010 | 12.1* | 0.3 | | | | | | |
| 15100+2807 | TDS768 | 2015.437 | 1 | 0.892 | 0.008 | 12.4* | 1.2 | 1.48 | | | | | |
| 15126+1523 | STF1917 | 2015.355 | 1 | 2.458 | 0.012 | 232.9 | 0.4 | | | | | | |
| 15126+1523 | STF1917 | 2015.355 | 1 | 2.462 | 0.012 | 231.9* | 0.3 | 0.65 | | | | | |
| 15127+4835 | POP1220AC | 2015.431 | 1 | 0.688 | 0.053 | 306.9 | 0.3 | | | | | | |
| 15127+4835 | POP1220AC | 2015.431 | 1 | 0.734 | 0.053 | 304.3 | 0.4 | | | | | | |
| 15151+3650 | STT295 | 2015.355 | 1 | 0.160 | 0.028 | 164.9 | 7.1 | | | Zir2014a | -0.02 | 3.8 | 4 |
| 15151+3650 | STT295 | 2015.355 | 1 | 0.127 | 0.028 | 152.2 | 8.3 | | | Zir2014a | -0.05 | -8.9 | 4 |
| 15168+4100 | ES1551 | 2015.404 | 1 | 1.334 | 0.007 | 152.3* | 0.3 | | | | | | |
| 15168+4100 | ES1551 | 2015.404 | 1 | 1.327 | 0.017 | 152.1* | 0.4 | | | | | | |
| 15171+2650 | HEI6 | 2015.355 | 1 | 2.442 | 0.015 | 5.9* | 0.6 | | | | | | |
| 15171+2650 | HEI6 | 2015.355 | 1 | 2.438 | 0.012 | 5.8* | 0.3 | | | | | | |
| 15175+2619 | COU483 | 2015.483 | 1 | 0.758 | 0.008 | 175.4 | 2.8 | | | | | | |
| 15175+2619 | COU483 | 2015.483 | 1 | 0.761 | 0.007 | 174.9* | 1.3 | 0.87 | | | | | |
| 15175+3241 | COU793 | 2015.404 | 1 | 1.482 | 0.030 | 60.3* | 1.3 | 0.06 | | | | | |
| 15175+3241 | COU793 | 2015.404 | 1 | 1.478 | 0.037 | 60.8* | 1.1 | | | | | | |
| 15183+2650 | STF1932AB | 2015.420 | 1 | 1.603 | 0.015 | 265.3 | 0.5 | | | Izm2019 | -0.02 | -0.2 | 2 |
| 15183+2650 | STF1932AB | 2015.420 | 1 | 1.605 | 0.008 | 265.1* | 0.3 | | | Izm2019 | -0.01 | -0.4 | 2 |
| 15183+2650 | STF1932AB | 2015.437 | 1 | 1.613 | 0.015 | 266.2* | 1.5 | 0.27 | | Izm2019 | -0.01 | 0.7 | 2 |
| 15183+2650 | STF1932AB | 2015.437 | 1 | 1.613 | 0.010 | 265.1* | 0.3 | | | Izm2019 | -0.01 | 0.7 | 2 |
| 15205+3021 | TDS9495 | 2015.420 | 1 | — | — | — | — | | NR | | | | |
| 15205+3826 | TDS9493 | 2015.437 | 1 | — | — | — | — | | NR | | | | |
| 15206+1523 | HU1160 | 2015.355 | 1 | 0.463 | 0.016 | 169.0* | 1.8 | | | Hrt2009 | 0.04 | 3.7 | 4 |
| 15206+1523 | HU1160 | 2015.355 | 1 | 0.423 | 0.017 | 170.0* | 0.4 | 0.66 | | Hrt2009 | -0.00 | 4.7 | 4 |
| 15208+3459 | HO62 | 2015.404 | 1 | 1.450 | 0.007 | 103.0* | 0.3 | | | | | | |
| 15208+3459 | HO62 | 2015.404 | 1 | 1.455 | 0.015 | 103.2* | 0.4 | 0.10 | | | | | |
| 15208+4242 | A573 | 2015.420 | 1 | 0.729 | 0.016 | 173.2* | 0.7 | | | | | | |
| 15208+4242 | A573 | 2015.420 | 1 | 0.725 | 0.007 | 172.5* | 0.3 | | | | | | |
| 15209+4540 | HDS2157 | 2015.437 | 1 | 0.719 | 0.007 | 285.8 | 0.7 | | | | | | |
| 15209+4540 | HDS2157 | 2015.437 | 1 | 0.717 | 0.007 | 284.7 | 0.3 | | | | | | |
| 15209+4540 | HDS2157Aa,Ab | 2015.437 | 1 | 0.312 | 0.007 | 126.1 | 0.9 | | NDp | | | | |
| 15209+4540 | HDS2157Aa,Ab | 2015.437 | 1 | 0.318 | 0.009 | 127.0 | 0.7 | | NDp | | | | |
| 15219+1630 | HO264AB | 2015.437 | 1 | 1.195 | 0.021 | 298.6* | 0.5 | | | | | | |
| 15219+1630 | HO264AB | 2015.437 | 1 | 1.193 | 0.007 | 298.4* | 0.3 | | | | | | |
| 15232+3017 | STF1937AB | 2015.431 | 1 | 0.665 | 0.025 | 209.8* | 1.0 | | | Mut2010b | 0.04 | 0.3 | 1 |
| 15232+3017 | STF1937AB | 2015.431 | 1 | 0.643 | 0.015 | 210.3* | 0.8 | | | Mut2010b | 0.02 | 0.8 | 1 |
| 15241+2814 | TDS9506 | 2015.437 | 1 | — | — | — | — | | NR | | | | |
| 15245+3723 | STF1938Ba,Bb | 2015.355 | 1 | 2.269 | 0.011 | 4.2 | 0.3 | | | Sca2013a | 0.05 | 0.5 | 2 |
| 15245+3723 | STF1938Ba,Bb | 2015.355 | 1 | 2.287 | 0.013 | 4.0* | 0.3 | | | Sca2013a | 0.07 | 0.3 | 2 |
| 15252+2119 | TDS9512 | 2015.431 | 1 | 0.726 | 0.008 | 40.9* | 0.8 | 0.62 | | | | | |
| 15252+2119 | TDS9512 | 2015.431 | 1 | 0.733 | 0.012 | 41.6* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|----------|-------|-------------------------------|-------------------------------------|-------|
| 15268+3102 | TDS9517 | 2015.431 | 1 | 0.625 | 0.021 | 36.0* | 2.5 | | | | | | |
| 15268+3102 | TDS9517 | 2015.431 | 1 | 0.581 | 0.007 | 33.9* | 0.9 | | | | | | |
| 15269+3447 | TDS9519 | 2015.437 | 1 | — | — | — | — | | NR | | | | |
| 15269+4610 | KU50 | 2015.431 | 1 | 2.889 | 0.014 | 336.0* | 0.3 | 1.40 | | | | | |
| 15269+4610 | KU50 | 2015.431 | 1 | 2.906 | 0.018 | 336.2* | 0.3 | | | | | | |
| 15271+2355 | A82 | 2015.404 | 1 | 0.852 | 0.009 | 353.2* | 0.6 | | | | | | |
| 15271+2355 | A82 | 2015.404 | 1 | 0.837 | 0.026 | 353.7* | 1.5 | | | | | | |
| 15272+1804 | A2073 | 2015.404 | 1 | 0.151 | 0.017 | 131.7* | 1.0 | | | | | | |
| 15272+1804 | A2073 | 2015.404 | 1 | 0.145 | 0.007 | 134.4 | 1.3 | | | | | | |
| 15276+4140 | TDS9522 | 2015.420 | 1 | 1.261 | 0.007 | 153.7* | 0.4 | | | | | | |
| 15276+4140 | TDS9522 | 2015.420 | 1 | 1.263 | 0.016 | 153.7* | 0.3 | | | | | | |
| 15294+4041 | COU1273 | 2015.437 | 1 | 1.147 | 0.007 | 141.4* | 0.4 | | | | | | |
| 15294+4041 | COU1273 | 2015.437 | 1 | 1.150 | 0.010 | 141.2* | 0.3 | | | | | | |
| 15306+3504 | COU974 | 2015.431 | 1 | 1.573 | 0.008 | 338.3* | 0.3 | | | | | | |
| 15306+3504 | COU974 | 2015.431 | 1 | 1.573 | 0.008 | 337.9* | 0.3 | 2.46 | | | | | |
| 15318+4054 | A1634AB | 2015.420 | 1 | 0.208 | 0.041 | 204.7 | 4.8 | | Hor2012a | | 0.15 | -2.6 ^Q | 1 |
| 15318+4054 | A1634AB | 2015.420 | 1 | 0.185 | 0.015 | 209.1 | 4.4 | | Hor2012a | | 0.13 | 1.8 ^Q | 1 |
| 15319+1623 | A2075AB | 2015.404 | 1 | 0.485 | 0.007 | 96.4* | 0.5 | | | | | | |
| 15319+1623 | A2075AB | 2015.404 | 1 | 0.486 | 0.007 | 96.2* | 0.4 | | | | | | |
| 15328+1945 | HU577 | 2015.404 | 1 | 0.362 | 0.007 | 25.2* | 1.7 | | Sca2020d | | 0.01 | 2.0 | 3 |
| 15328+1945 | HU577 | 2015.404 | 1 | 0.364 | 0.010 | 23.9 | 1.0 | | Sca2020d | | 0.01 | 0.7 | 3 |
| 15333+4149 | STF1956 | 2015.420 | 1 | 0.323 | 0.007 | 223.2 | 1.8 | | | | | | |
| 15333+4149 | STF1956 | 2015.420 | 1 | 0.320 | 0.007 | 225.2 | 1.1 | | | | | | |
| 15347+3446 | STF1959 | 2015.431 | 1 | 2.135 | 0.013 | 243.0* | 0.3 | | | | | | |
| 15347+3446 | STF1959 | 2015.431 | 1 | 2.139 | 0.011 | 243.1* | 0.3 | | | | | | |
| 15348+2321 | POU3192 | 2015.431 | 1 | 3.210 | 0.045 | 10.8* | 0.9 | | | | | | |
| 15348+2321 | POU3192 | 2015.431 | 1 | 3.159 | 0.018 | 12.0* | 0.5 | | | | | | |
| 15351+4150 | ES1553 | 2015.431 | 1 | 2.790 | 0.015 | 153.3* | 0.3 | | | | | | |
| 15351+4150 | ES1553 | 2015.431 | 1 | 2.783 | 0.014 | 153.2* | 0.3 | 0.43 | | | | | |
| 15356+2944 | TDS9557 | 2015.437 | 1 | — | — | — | — | | NR | | | | |
| 15360+3143 | COU799 | 2015.437 | 1 | 1.035 | 0.007 | 265.1* | 0.3 | | | | | | |
| 15360+3143 | COU799 | 2015.437 | 1 | 1.031 | 0.014 | 264.8* | 0.7 | 1.04 | | | | | |
| 15363+4300 | COU1444 | 2015.483 | 1 | 0.967 | 0.012 | 309.9* | 0.3 | 1.03 | | | | | |
| 15363+4300 | COU1444 | 2015.483 | 1 | 0.965 | 0.007 | 310.2* | 0.3 | | | | | | |
| 15365+4951 | COU2109 | 2015.483 | 1 | 1.448 | 0.014 | 88.5 | 0.5 | | | | | | |
| 15365+4951 | COU2109 | 2015.483 | 1 | 1.445 | 0.007 | 88.9* | 0.3 | 2.21 | | | | | |
| 15366+2726 | MLB690 | 2015.483 | 1 | 2.146 | 0.011 | 221.8 | 0.3 | | | | | | |
| 15366+2726 | MLB690 | 2015.483 | 1 | 2.141 | 0.011 | 222.1* | 0.3 | 0.25 | | | | | |
| 15376+3427 | COU975AB | 2015.483 | 1 | 0.934 | 0.024 | 341.0* | 0.3 | | | | | | |
| 15376+3427 | COU975AB | 2015.483 | 1 | 0.948 | 0.011 | 341.0* | 0.8 | | | | | | |
| 15377+4355 | COU1589 | 2015.420 | 1 | 0.841 | 0.012 | 12.8* | 0.8 | | | | | | |
| 15377+4355 | COU1589 | 2015.420 | 1 | 0.836 | 0.007 | 12.7* | 1.0 | 1.50 | | | | | |
| 15382+3615 | STF1964CD | 2015.494 | 1 | 1.559 | 0.008 | 20.8* | 0.3 | | Dru1995 | | 0.05 | 1.2 | 5 |
| 15382+3615 | STF1964CD | 2015.494 | 1 | 1.572 | 0.014 | 20.5* | 0.3 | | Dru1995 | | 0.06 | 0.9 | 5 |
| 15382+3615 | HU1167AB | 2015.494 | 1 | 1.370 | 0.018 | 79.0* | 0.3 | | Dru1995 | | 0.12 | -1.8 | 5 |
| 15382+3615 | HU1167AB | 2015.494 | 1 | 1.357 | 0.010 | 78.6* | 0.5 | | Dru1995 | | 0.11 | -2.2 | 5 |
| 15398+2117 | AG197 | 2015.437 | 1 | 3.132 | 0.016 | 126.6* | 0.3 | | | | | | |
| 15398+2117 | AG197 | 2015.437 | 1 | 3.134 | 0.028 | 126.4* | 0.3 | 2.00 | | | | | |
| 15400+3455 | TDS9584 | 2015.437 | 1 | 2.119 | 0.018 | 8.9* | 0.4 | | | | | | |
| 15400+3455 | TDS9584 | 2015.437 | 1 | 2.146 | 0.011 | 9.8* | 0.5 | 1.91 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 15404+2123 | HU579 | 2015.437 | 1 | 0.709 | 0.016 | 134.8* | 0.5 | | | | | | |
| 15404+2123 | HU579 | 2015.437 | 1 | 0.689 | 0.020 | 135.4* | 0.3 | | | | | | |
| 15416+1940 | HU580AB | 2015.432 | 1 | 0.149 | 0.031 | 253.1 | 2.3 | | | Mut2010b | -0.02 | -2.4 | 1 |
| 15416+1940 | HU580AB | 2015.432 | 1 | 0.106 | 0.048 | 252.4 | 6.0 | | | Mut2010b | -0.06 | -3.1 | 1 |
| 15440+1810 | SHN33 | 2015.404 | 1 | 0.360 | 0.013 | 358.4 | 0.8 | | | | | | |
| 15440+1810 | SHN33 | 2015.404 | 1 | 0.363 | 0.018 | 357.7 | 2.1 | | | | | | |
| 15444+3942 | A1635 | 2015.483 | 1 | 1.669 | 0.008 | 217.0* | 0.6 | | | | | | |
| 15444+3942 | A1635 | 2015.483 | 1 | 1.672 | 0.009 | 217.2* | 0.3 | | | | | | |
| 15458+2637 | COU615 | 2015.513 | 1 | 1.024 | 0.011 | 125.9* | 1.1 | 0.26 | | | | | |
| 15458+2637 | COU615 | 2015.513 | 1 | 1.024 | 0.014 | 126.0* | 0.9 | | | | | | |
| 15461+4343 | HDS2219 | 2015.483 | 1 | 1.041 | 0.017 | 316.5* | 0.3 | | | | | | |
| 15461+4343 | HDS2219 | 2015.483 | 1 | 1.018 | 0.022 | 316.3* | 0.3 | | | | | | |
| 15465+5048 | COU2388 | 2015.483 | 1 | 0.207 | 0.077 | 207.2 | 3.9 | | | BAE2021 | -0.04 | 2.0 | 3 |
| 15465+5048 | COU2388 | 2015.483 | 1 | 0.261 | 0.007 | 203.1* | 0.5 | | | BAE2021 | 0.01 | -2.1 | 3 |
| 15477+3902 | TDS788 | 2015.483 | 1 | 2.228 | 0.014 | 355.4* | 0.3 | 3.34 | | | | | |
| 15477+3902 | TDS788 | 2015.483 | 1 | 2.226 | 0.011 | 355.5 | 0.3 | | | | | | |
| 15478+3301 | HDS2225 | 2015.494 | 1 | 0.374 | 0.007 | 315.0 | 0.5 | | | | | | |
| 15482+1925 | COU193 | 2015.404 | 1 | 0.564 | 0.007 | 284.3* | 0.3 | | | | | | |
| 15482+1925 | COU193 | 2015.404 | 1 | 0.557 | 0.018 | 284.1* | 1.1 | 0.58 | | | | | |
| 15485+2600 | COU616 | 2015.432 | 1 | 0.802 | 0.009 | 161.8* | 0.3 | | | | | | |
| 15485+2600 | COU616 | 2015.432 | 1 | 0.808 | 0.007 | 161.1* | 0.4 | | | | | | |
| 15485+2817 | TDS9637 | 2015.483 | 1 | — | — | — | — | | NR | | | | |
| 15489+2314 | HDS2227 | 2015.494 | 1 | 0.672 | 0.017 | 291.8* | 1.0 | | | | | | |
| 15489+2314 | HDS2227 | 2015.494 | 1 | 0.655 | 0.024 | 292.4* | 0.9 | | | | | | |
| 15498+4431 | BU621 | 2015.404 | 1 | 0.680 | 0.007 | 26.9* | 1.0 | | | | | | |
| 15498+4431 | BU621 | 2015.404 | 1 | 0.686 | 0.007 | 25.3* | 1.2 | | | | | | |
| 15503+3449 | A1858 | 2015.404 | 1 | 0.388 | 0.007 | 102.2* | 0.3 | 0.01 | | | | | |
| 15503+3449 | A1858 | 2015.404 | 1 | 0.379 | 0.021 | 100.9* | 1.0 | | | | | | |
| 15529+2000 | HU747 | 2015.404 | 1 | 2.504 | 0.013 | 109.8* | 0.3 | | | | | | |
| 15529+2000 | HU747 | 2015.404 | 1 | 2.514 | 0.013 | 109.8* | 0.3 | | | | | | |
| 15555+3512 | MCT9 | 2015.121 | 1 | 1.623 | 0.008 | 250.1 | 0.3 | 4.11 | | | | | |
| 15560+2510 | TDS9695 | 2015.437 | 1 | 0.378 | 0.040 | 104.3* | 3.4 | | | | | | |
| 15560+2510 | TDS9695 | 2015.437 | 1 | 0.373 | 0.057 | 104.0* | 2.0 | | | | | | |
| 15569+3244 | COU803 | 2015.483 | 1 | 1.607 | 0.008 | 216.8* | 0.5 | 0.03 | | | | | |
| 15569+3244 | COU803 | 2015.483 | 1 | 1.609 | 0.008 | 216.7* | 0.5 | | | | | | |
| 15572+2640 | TDS9703 | 2015.421 | 1 | — | — | — | — | | NR | | | | |
| 15574+4140 | STF1991AB | 2015.494 | 1 | 3.030 | 0.015 | 196.1* | 0.3 | | | | | | |
| 15574+4140 | STF1991AB | 2015.494 | 1 | 3.025 | 0.015 | 195.7* | 0.3 | | | | | | |
| 15578+2054 | A1370 | 2015.432 | 1 | 0.198 | 0.021 | 50.5* | 1.9 | | | | | | |
| 15578+2054 | A1370 | 2015.432 | 1 | 0.222 | 0.015 | 50.8* | 1.4 | 0.29 | | | | | |
| 15583+4019 | COU1448 | 2015.404 | 1 | 1.109 | 0.008 | 257.4* | 1.3 | 0.68 | | | | | |
| 15583+4019 | COU1448 | 2015.404 | 1 | 1.101 | 0.015 | 257.0* | 0.4 | | | | | | |
| 15585+4858 | HU659 | 2015.483 | 1 | 0.542 | 0.018 | 204.3* | 0.3 | 1.18 | | | | | |
| 15585+4858 | HU659 | 2015.483 | 1 | 0.541 | 0.010 | 206.0 | 1.5 | | | | | | |
| 15596+4440 | COU1764 | 2015.508 | 1 | 1.291 | 0.047 | 207.7 | 0.9 | | | | | | |
| 15596+4440 | COU1764 | 2015.508 | 1 | 1.286 | 0.054 | 208.2* | 1.4 | | | | | | |
| 16000+4721 | SHN35 | 2015.432 | 1 | 0.225 | 0.052 | 213.3* | 8.7 | | | | | | |
| 16000+4721 | SHN35 | 2015.432 | 1 | 0.272 | 0.047 | 197.7* | 6.7 | 0.45 | | | | | |
| 16003+2612 | J3322 | 2015.483 | 1 | 2.737 | 0.018 | 125.6* | 0.3 | 0.43 | | | | | |
| 16003+2612 | J3322 | 2015.483 | 1 | 2.726 | 0.021 | 126.4 | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 16009+1918 | A2081AB | 2015.121 | 1 | 2.390 | 0.012 | 323.2* | 0.3 | 3.51 | LY | | | | |
| 16009+1918 | A2081AB | 2015.432 | 1 | 2.401 | 0.013 | 324.5 | 0.3 | | | | | | |
| 16009+1918 | A2081AB | 2015.432 | 1 | 2.410 | 0.015 | 324.7 | 0.3 | | | | | | |
| 16009+1918 | A2081AB | 2015.437 | 1 | 2.392 | 0.012 | 324.5* | 0.3 | | | | | | |
| 16009+1918 | GII97Ba,Bb | 2015.437 | 1 | 0.153 | 0.007 | 50.6* | 0.3 | 0.04 | | | | | |
| 16011+3936 | AG200 | 2015.432 | 1 | 3.079 | 0.024 | 216.2* | 0.5 | | | | | | |
| 16011+3936 | AG200 | 2015.432 | 1 | 3.094 | 0.015 | 216.5* | 0.3 | 0.43 | | | | | |
| 16025+2633 | COU618AB | 2015.513 | 1 | 0.536 | 0.010 | 176.3* | 0.9 | | | | | | |
| 16025+2633 | COU618AB | 2015.513 | 1 | 0.545 | 0.021 | 177.4* | 2.5 | | | | | | |
| 16028+4902 | HDS2264 | 2015.483 | 1 | 0.147 | 0.061 | 144.3* | 6.1 | | | | | | |
| 16028+4902 | HDS2264 | 2015.483 | 1 | 0.235 | 0.047 | 148.1* | 3.3 | | | | | | |
| 16032+2851 | STF2004 | 2015.508 | 1 | 1.832 | 0.013 | 278.0* | 0.7 | | | | | | |
| 16032+2851 | STF2004 | 2015.508 | 1 | 1.832 | 0.015 | 278.0* | 0.3 | 0.77 | | | | | |
| 16049+4045 | COU1275 | 2015.494 | 1 | 2.026 | 0.010 | 249.1 | 0.3 | | | | | | |
| 16049+4045 | COU1275 | 2015.494 | 1 | 2.041 | 0.010 | 249.1 | 0.3 | | | | | | |
| 16062+1809 | COU2389 | 2015.513 | 1 | 1.104 | 0.008 | 236.9 | 0.4 | | | | | | |
| 16062+1809 | COU2389 | 2015.513 | 1 | 1.105 | 0.007 | 237.4* | 0.6 | 0.68 | | | | | |
| 16071+1654 | BU812 | 2015.421 | 1 | 0.714 | 0.007 | 95.9* | 0.4 | | | | | | |
| 16071+1654 | BU812 | 2015.421 | 1 | 0.725 | 0.012 | 96.8* | 0.6 | | | | | | |
| 16072+1848 | COU196 | 2015.513 | 1 | 1.600 | 0.008 | 347.6* | 0.3 | 0.05 | | | | | |
| 16072+1848 | COU196 | 2015.513 | 1 | 1.632 | 0.102 | 347.4 | 5.5 | | | | | | |
| 16074+4842 | HDS2275 | 2015.483 | 1 | 0.881 | 0.025 | 253.8* | 0.8 | | | | | | |
| 16074+4842 | HDS2275 | 2015.483 | 1 | 0.892 | 0.008 | 252.9* | 1.1 | | | | | | |
| 16076+2900 | STF2011AB | 2015.519 | 1 | 2.662 | 0.013 | 67.0* | 0.3 | | | | | | |
| 16076+2900 | STF2011AB | 2015.519 | 1 | 2.661 | 0.013 | 66.9* | 0.3 | | | | | | |
| 16080+4523 | BU355AB | 2015.494 | 1 | 0.162 | 0.032 | 117.8 | 3.7 | | | | | | |
| 16080+4523 | BU355AB | 2015.494 | 1 | 0.127 | 0.018 | 114.2 | 5.3 | | | | | | |
| 16089+4041 | TDS9773 | 2015.494 | 1 | — | — | — | — | | NR | | | | |
| 16109+3604 | HJ583 | 2015.519 | 1 | 3.742 | 0.030 | 141.2* | 0.3 | | | | | | |
| 16109+3604 | HJ583 | 2015.519 | 1 | 3.725 | 0.032 | 141.2* | 0.3 | | | | | | |
| 16115+1507 | A1799 | 2015.494 | 1 | 0.776 | 0.010 | 296.2* | 0.7 | 0.70 | | Zir2014a | -0.01 | 0.7 ^Q | 4 |
| 16115+1507 | A1799 | 2015.494 | 1 | 0.790 | 0.007 | 296.7* | 0.4 | | | Zir2014a | 0.00 | 1.2 ^Q | 4 |
| 16118+3424 | STT306 | 2015.483 | 1 | 0.108 | 0.080 | 0.4* | 6.9 | | | | | | |
| 16118+3424 | STT306 | 2015.483 | 1 | 0.195 | 0.032 | 2.1* | 0.5 | | | | | | |
| 16121+3303 | HU1171 | 2015.494 | 1 | 1.109 | 0.013 | 305.5* | 0.5 | | | | | | |
| 16121+3303 | HU1171 | 2015.494 | 1 | 1.134 | 0.008 | 304.6* | 0.3 | | | | | | |
| 16128+2640 | STF2022 | 2015.519 | 1 | 2.185 | 0.018 | 154.2 | 0.3 | | | | | | |
| 16128+2640 | STF2022 | 2015.519 | 1 | 2.176 | 0.024 | 154.5 | 1.0 | | | | | | |
| 16152+3443 | HDS2298 | 2015.494 | 1 | — | — | — | — | | NR | | | | |
| 16164+4327 | COU1450 | 2015.483 | 1 | 1.317 | 0.014 | 61.3* | 1.1 | | | | | | |
| 16164+4327 | COU1450 | 2015.483 | 1 | 1.309 | 0.007 | 61.3* | 0.3 | | | | | | |
| 16166+4001 | COU1278 | 2015.513 | 1 | 1.256 | 0.018 | 335.3* | 0.4 | 0.04 | | | | | |
| 16166+4001 | COU1278 | 2015.513 | 1 | 1.247 | 0.018 | 334.9* | 0.4 | | | | | | |
| 16195+2952 | TDS9839 | 2015.421 | 1 | — | — | — | — | | NR | | | | |
| 16198+2647 | A225 | 2015.513 | 1 | 0.147 | 0.025 | 134.7 | 7.9 | | | Doc2008a | 0.03 | -4.5 | 2 |
| 16198+2647 | A225 | 2015.513 | 1 | 0.111 | 0.027 | 131.4 | 4.5 | | | Doc2008a | -0.00 | -7.8 | 2 |
| 16199+2728 | TDS9841AC | 2015.483 | 1 | 4.732 | 0.024 | 0.4 | 0.3 | 3.58 | NDp | | | | |
| 16199+3600 | COU981 | 2015.519 | 1 | 1.054 | 0.025 | 132.1 | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|---------|--------------------------------------|--|-------|
| 16199+3600 | COU981 | 2015.519 | 1 | 1.082 | 0.007 | 132.1 | 0.3 | | | | | | |
| 16216+3631 | COU982 | 2015.459 | 1 | 0.371 | 0.007 | 65.0* | 0.3 | | | Hrt2009 | 0.01 | -0.7 ^Q | 4 |
| 16216+3631 | COU982 | 2015.459 | 1 | 0.334 | 0.035 | 63.7* | 2.1 | | | Hrt2009 | -0.03 | -2.0 ^Q | 4 |
| 16231+4738 | STF2047 | 2015.513 | 1 | 1.805 | 0.019 | 324.6* | 0.3 | 0.84 | | | | | |
| 16231+4738 | STF2047 | 2015.513 | 1 | 1.818 | 0.009 | 324.7 | 0.3 | | | | | | |
| 16235+3321 | BU951AB,C | 2015.494 | 1 | 1.049 | 0.007 | 30.1* | 1.0 | | | | | | |
| 16235+3321 | BU951AB,C | 2015.494 | 1 | 1.036 | 0.011 | 29.9* | 0.3 | | | | | | |
| 16235+3321 | BU951AB,C | 2015.519 | 1 | 1.030 | 0.007 | 29.6 | 0.3 | 0.99 | LY | | | | |
| 16235+3321 | BU951AB,C | 2015.519 | 1 | 1.042 | 0.007 | 30.0* | 0.3 | | | | | | |
| 16242+1113 | HEI542 | 2015.020 | 1 | 2.017 | 0.014 | 127.9 | 0.3 | | | | | | |
| 16242+1113 | HEI542 | 2015.020 | 1 | 2.003 | 0.030 | 128.1 | 0.3 | | | | | | |
| 16256+1554 | VKI29 | 2015.483 | 1 | 2.488 | 0.012 | 29.4* | 0.3 | 0.36 | | | | | |
| 16261+3524 | HDS2321 | 2015.421 | 1 | 0.486 | 0.007 | 265.2 | 2.7 | | | | | | |
| 16261+3524 | HDS2321 | 2015.421 | 1 | 0.497 | 0.023 | 265.8 | 1.0 | | | | | | |
| 16265+5037 | COU2112 | 2015.513 | 1 | 0.539 | 0.007 | 74.6* | 0.3 | 0.09 | | | | | |
| 16265+5037 | COU2112 | 2015.513 | 1 | 0.557 | 0.007 | 74.2* | 0.4 | | | | | | |
| 16272+1900 | HDS2326 | 2015.541 | 1 | 0.404 | 0.047 | 214.9 | 6.3 | 2.97 | | | | | |
| 16272+1900 | HDS2326 | 2015.541 | 1 | 0.326 | 0.057 | 204.6 | 6.9 | | | | | | |
| 16272+2445 | POU3227 | 2015.519 | 1 | 3.143 | 0.062 | 321.9* | 0.3 | 0.06 | | | | | |
| 16272+2445 | POU3227 | 2015.519 | 1 | 3.235 | 0.265 | 319.5* | 5.4 | | | | | | |
| 16272+3419 | POP1AB | 2015.459 | 1 | 2.429 | 0.012 | 178.9* | 0.3 | | | | | | |
| 16272+3419 | POP1AB | 2015.459 | 1 | 2.430 | 0.012 | 179.0* | 0.3 | 2.29 | | | | | |
| 16272+3521 | COU984 | 2015.459 | 1 | 0.622 | 0.040 | 356.0* | 0.7 | 1.06 | | | | | |
| 16272+3521 | COU984 | 2015.459 | 1 | 0.645 | 0.009 | 354.8* | 0.8 | | | | | | |
| 16272+3953 | BU814 | 2015.483 | 1 | 0.306 | 0.047 | 6.5* | 1.3 | | | | | | |
| 16272+3953 | BU814 | 2015.483 | 1 | 0.235 | 0.052 | 5.4 | 3.3 | | | | | | |
| 16272+3953 | BU814 | 2015.483 | 1 | 0.294 | 0.040 | 5.3 | 1.1 | | | | | | |
| 16279+2559 | STF2049 | 2015.541 | 1 | 1.139 | 0.015 | 194.4* | 0.4 | | | | | | |
| 16279+2559 | STF2049 | 2015.541 | 1 | 1.134 | 0.013 | 194.5* | 0.9 | | | | | | |
| 16289+1825 | STF2052AB | 2015.541 | 1 | 2.368 | 0.019 | 119.3* | 0.7 | 0.88 | | Izm2019 | -0.01 | 0.2 | 2 |
| 16289+1825 | STF2052AB | 2015.541 | 1 | 2.366 | 0.012 | 119.1* | 0.3 | | | Izm2019 | -0.01 | 0.2 | 2 |
| 16299+2452 | J3324 | 2015.459 | 1 | 2.608 | 0.013 | 54.8* | 0.5 | | | | | | |
| 16299+2452 | J3324 | 2015.459 | 1 | 2.638 | 0.018 | 55.1* | 0.3 | 1.13 | | | | | |
| 16301+3353 | HU1173 | 2015.483 | 1 | 0.165 | 0.042 | 67.5 | 4.6 | | | Hei1997 | -0.09 | 1.5 | 3 |
| 16301+3353 | HU1173 | 2015.483 | 1 | 0.241 | 0.007 | 67.0* | 1.3 | | | Hei1997 | -0.02 | 1.0 | 3 |
| 16304+4044 | HDS2331 | 2015.494 | 1 | — | — | — | — | | NR | | | | |
| 16310+3514 | HDS2332AB | 2015.513 | 2 | 0.451 | 0.007 | 216.1 | 0.3 | | | | | | |
| 16333+3855 | STF2067 | 2015.513 | 1 | 2.864 | 0.015 | 296.4* | 0.3 | | | | | | |
| 16333+3855 | STF2067 | 2015.513 | 1 | 2.876 | 0.014 | 296.3* | 0.3 | 2.86 | | | | | |
| 16342+2329 | POU3233 | 2013.507 | 1 | — | — | — | — | | NR | | | | |
| 16350+2214 | COU68 | 2015.459 | 1 | 0.862 | 0.018 | 250.1* | 1.5 | 0.97 | | | | | |
| 16350+2214 | COU68 | 2015.459 | 1 | 0.887 | 0.030 | 252.1* | 0.8 | | | | | | |
| 16368+3434 | TDT4 | 2015.513 | 1 | 2.456 | 0.012 | 186.5* | 0.3 | | | | | | |
| 16368+3434 | TDT4 | 2015.513 | 1 | 2.457 | 0.018 | 186.5* | 0.3 | 0.86 | | | | | |
| 16369+4547 | COU1591 | 2015.519 | 1 | 0.554 | 0.007 | 19.1* | 1.9 | 0.44 | | | | | |
| 16369+4547 | COU1591 | 2015.519 | 1 | 0.560 | 0.007 | 19.4* | 1.4 | | | | | | |
| 16376+4510 | A1643 | 2015.519 | 1 | 0.762 | 0.007 | 151.1* | 0.3 | 0.91 | | | | | |
| 16376+4510 | A1643 | 2015.519 | 1 | 0.776 | 0.010 | 150.8 | 0.4 | | | | | | |
| 16386+3820 | STF2080AB | 2015.494 | 1 | 0.885 | 0.012 | 57.4 | 0.4 | | | | | | |
| 16386+3820 | STF2080AB | 2015.494 | 1 | 0.884 | 0.018 | 55.6 | 1.0 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|---------|----------|--------------------------------------|--|-------|
| 16393+2213 | HDS2360 | 2015.494 | 1 | — | — | — | — | | NR | | | | |
| 16398+2534 | TDT26 | 2015.513 | 1 | — | — | — | — | | NR | | | | |
| 16407+3939 | ES2225 | 2015.459 | 1 | 2.291 | 0.014 | 131.6* | 0.3 | | | | | | |
| 16407+3939 | ES2225 | 2015.459 | 1 | 2.297 | 0.013 | 132.0* | 0.3 | 2.68 | | | | | |
| 16413+3006 | A349 | 2015.459 | 1 | 0.675 | 0.017 | 129.2* | 1.4 | | | Hrt2014b | 0.01 | -2.1 | 3 |
| 16413+3006 | A349 | 2015.459 | 1 | 0.677 | 0.010 | 129.5* | 0.7 | 1.21 | | Hrt2014b | 0.01 | -1.8 | 3 |
| 16415+2147 | J738 | 2015.483 | 1 | 2.156 | 0.011 | 247.2 | 0.3 | 0.21 | | | | | |
| 16415+2147 | J738 | 2015.483 | 1 | 2.162 | 0.011 | 247.5 | 0.3 | | | | | | |
| 16416+1714 | COU312Aa,Ab | 2015.513 | 1 | 0.875 | 0.015 | 359.4* | 0.7 | 0.43 | | | | | |
| 16416+1714 | COU312Aa,Ab | 2015.513 | 1 | 0.879 | 0.012 | 358.8* | 0.7 | | | | | | |
| 16416+2655 | CHR57 | 2015.513 | 1 | — | — | — | — | | NR | | | | |
| 16417+3628 | BU1199AD | 2015.513 | 1 | 3.005 | 0.083 | 290.5 | 0.6 | | NDp | | | | |
| 16417+3628 | BU1199AD | 2015.513 | 1 | 2.960 | 0.062 | 290.2 | 0.7 | | NDp | | | | |
| 16417+3628 | BU1199AB | 2015.121 | 1 | 2.810 | 0.014 | 311.5 | 0.3 | 1.64 | | | | | |
| 16417+3628 | BU1199AB | 2015.121 | 1 | 2.797 | 0.014 | 302.9* | 0.3 | 1.27 | LY | | | | |
| 16417+3628 | BU1199AB | 2015.513 | 1 | 2.861 | 0.078 | 303.2 | 0.7 | | | | | | |
| 16417+3628 | BU1199AB | 2015.513 | 1 | 2.838 | 0.049 | 303.0 | 0.6 | | | | | | |
| 16417+3628 | BU1199AB | 2015.519 | 1 | 2.796 | 0.014 | 302.4* | 0.3 | 1.37 | LY | | | | |
| 16417+3628 | BU1199AC | 2015.121 | 1 | 1.032 | 0.007 | 239.3 | 0.3 | 0.68 | | | | | |
| 16417+3628 | BU1199Aa,Ab | 2015.121 | 1 | 0.504 | 0.007 | 215.9 | 0.3 | 0.30 | LY,NDg | | | | |
| 16417+3628 | BU1199Aa,Ab | 2015.513 | 1 | 0.604 | 0.103 | 216.5 | 5.4 | | NDg | | | | |
| 16417+3628 | BU1199Aa,Ab | 2015.519 | 1 | 0.556 | 0.007 | 218.3 | 0.3 | 0.18 | LY, NDg | | | | |
| 16422+4112 | STF2091 | 2015.483 | 1 | 0.378 | 0.010 | 328.2 | 0.9 | | | Zir2014a | 0.03 | -1.8 | 4 |
| 16422+4112 | STF2091 | 2015.483 | 1 | 0.384 | 0.007 | 328.7 | 0.5 | | | Zir2014a | 0.03 | -1.3 | 4 |
| 16422+4112 | STF2091 | 2015.484 | 1 | 0.360 | 0.007 | 328.8* | 0.3 | | | Zir2014a | 0.01 | -1.2 | 4 |
| 16428+3831 | COU1283 | 2015.483 | 1 | 0.798 | 0.007 | 62.3 | 0.3 | | | | | | |
| 16428+3831 | COU1283 | 2015.483 | 1 | 0.807 | 0.010 | 62.4 | 1.6 | | | | | | |
| 16428+3831 | COU1283 | 2015.484 | 1 | 0.791 | 0.011 | 61.9* | 0.6 | 1.33 | | | | | |
| 16448+3544 | STF2097AB | 2015.484 | 1 | 1.915 | 0.010 | 79.5* | 0.3 | 1.28 | | | | | |
| 16448+3544 | STF2097AB | 2015.484 | 1 | 1.925 | 0.010 | 79.4 | 0.7 | | | | | | |
| 16455+1618 | HEI796 | 2015.484 | 1 | 2.314 | 0.012 | 117.4* | 0.3 | 0.64 | | | | | |
| 16455+1618 | HEI796 | 2015.484 | 1 | 2.300 | 0.030 | 117.4 | 0.3 | | | | | | |
| 16492+4559 | BU627A,BC | 2015.494 | 1 | 2.091 | 0.010 | 43.3 | 0.3 | | | Izm2019 | 0.00 | 3.8 | 5 |
| 16492+4559 | BU627A,BC | 2015.494 | 1 | 2.106 | 0.011 | 43.1 | 0.3 | | | Izm2019 | 0.01 | 3.6 | 5 |
| 16492+4559 | BU627A,BC | 2015.494 | 1 | 2.106 | 0.011 | 42.8 | 0.5 | | Izm2019 | 0.01 | 3.3 | 5 | |
| 16492+4559 | BU627A,BG | 2015.494 | 1 | 1.977 | 0.011 | 36.0 | 0.8 | | NDp | | | | |
| 16492+4559 | BU627A,BG | 2015.494 | 1 | 1.970 | 0.010 | 35.1* | 0.5 | | NDp | | | | |
| 16492+4559 | BU627A,BC | 2015.494 | 1 | 1.970 | 0.010 | 35.1* | 0.5 | | | Izm2019 | -0.03 | -4.5 | 5 |
| 16492+4559 | A1866BC | 2015.494 | 1 | 0.265 | 0.007 | 287.4* | 0.3 | 0.72 | | DRs2012 | -0.01 | 6.5 | 3 |
| 16509+4445 | COU1592 | 2015.541 | 1 | 0.568 | 0.018 | 226.7* | 1.1 | | | | | | |
| 16509+4445 | COU1592 | 2015.541 | 1 | 0.579 | 0.014 | 226.3* | 1.0 | 0.18 | | | | | |
| 16530+4045 | A1868 | 2015.494 | 1 | 2.108 | 0.011 | 302.4* | 0.3 | 1.60 | | | | | |
| 16530+4045 | A1868 | 2015.494 | 1 | 2.117 | 0.011 | 302.4* | 0.3 | | | | | | |
| 16533+2241 | HO65AB | 2015.494 | 1 | 1.999 | 0.016 | 148.4* | 0.3 | | | | | | |
| 16533+2241 | HO65AB | 2015.494 | 1 | 1.994 | 0.013 | 148.6* | 0.3 | | | | | | |
| 16533+4122 | COU1286 | 2015.459 | 1 | 0.844 | 0.017 | 315.6* | 0.8 | 1.80 | | | | | |
| 16533+4122 | COU1286 | 2015.459 | 1 | 0.850 | 0.007 | 315.8* | 0.3 | | | | | | |
| 16540+2906 | A350 | 2015.541 | 1 | 0.605 | 0.010 | 148.5* | 0.5 | | | | | | |
| 16540+2906 | A350 | 2015.541 | 1 | 0.601 | 0.010 | 148.9* | 0.5 | 0.23 | | | | | |
| 16546+2432 | AG207 | 2015.565 | 1 | 2.917 | 0.015 | 214.8* | 0.3 | 2.88 | | | | | |
| 16546+2432 | AG207 | 2015.565 | 1 | 2.928 | 0.015 | 214.8* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|-------|-------------------------------|-------------------------------------|-------|
| 16552+4338 | TDT142 | 2015.494 | 1 | 0.551 | 0.013 | 336.6* | 1.6 | | | | | | |
| 16552+4338 | TDT142 | 2015.494 | 1 | 0.534 | 0.010 | 335.5* | 0.7 | | | | | | |
| 16554+1826 | BU954AB | 2015.484 | 1 | 2.427 | 0.012 | 183.3 | 0.4 | | | | | | |
| 16554+1826 | BU954AB | 2015.484 | 1 | 2.427 | 0.012 | 182.5 | 0.3 | | | | | | |
| 16555+5141 | ES972 | 2015.459 | 1 | 2.089 | 0.011 | 106.1* | 0.3 | 0.47 | | | | | |
| 16555+5141 | ES972 | 2015.459 | 1 | 2.079 | 0.010 | 106.0* | 0.3 | | | | | | |
| 16575+4658 | A1871 | 2015.459 | 1 | 2.507 | 0.013 | 34.9* | 0.3 | | | | | | |
| 16575+4658 | A1871 | 2015.459 | 1 | 2.527 | 0.013 | 34.7* | 0.3 | | | | | | |
| 16576+4935 | COU1772 | 2015.459 | 1 | 0.207 | 0.015 | 75.2 | 0.7 | | | | | | |
| 16576+4935 | COU1772 | 2015.459 | 1 | 0.227 | 0.013 | 77.4 | 3.3 | | | | | | |
| 16578+4650 | A1873 | 2015.484 | 1 | 2.436 | 0.012 | 300.7 | 0.3 | | | | | | |
| 16578+4650 | A1873 | 2015.484 | 1 | 2.429 | 0.016 | 300.2 | 0.3 | | | | | | |
| 16581+1509 | STT319 | 2015.513 | 1 | 0.877 | 0.021 | 63.6* | 0.8 | | | | | | |
| 16581+1509 | STT319 | 2015.513 | 1 | 0.850 | 0.015 | 64.6* | 1.5 | | | | | | |
| 16581+5148 | STF2117 | 2015.494 | 1 | 1.417 | 0.007 | 91.8* | 0.4 | | | | | | |
| 16581+5148 | STF2117 | 2015.494 | 1 | 1.404 | 0.013 | 91.4* | 0.4 | | | | | | |
| 16583+3107 | COU989 | 2015.541 | 1 | 0.227 | 0.010 | 197.3* | 0.7 | | | | | | |
| 16583+3107 | COU989 | 2015.541 | 1 | 0.298 | 0.013 | 197.1* | 1.5 | | | | | | |
| 16584+3943 | COU1289 | 2015.494 | 1 | — | — | — | — | | NR | | | | |
| 16598+3655 | STT322 | 2015.541 | 1 | 1.447 | 0.007 | 205.2* | 0.3 | | | | | | |
| 16598+3655 | STT322 | 2015.565 | 1 | 1.445 | 0.032 | 206.3* | 1.3 | | | | | | |
| 17002+4345 | A1875 | 2015.565 | 1 | 2.470 | 0.012 | 189.6* | 0.3 | | | | | | |
| 17002+4345 | A1875 | 2015.565 | 1 | 2.456 | 0.012 | 189.5* | 0.3 | | | | | | |
| 17006+2002 | COU199AB | 2015.513 | 1 | 1.279 | 0.013 | 329.9* | 0.3 | | | | | | |
| 17006+2002 | COU199AB | 2015.513 | 1 | 1.280 | 0.010 | 330.0* | 0.3 | | | | | | |
| 17010+1636 | A2085AB | 2015.121 | 1 | 5.736 | 0.029 | 355.8 | 0.3 | 6.73 | LY | | | | |
| 17010+1636 | A2085BC | 2015.121 | 1 | 1.102 | 0.007 | 320.5 | 0.3 | 0.16 | LY | | | | |
| 17019+3943 | BAG26 | 2015.519 | 1 | 0.461 | 0.015 | 44.6 | 2.0 | | | | | | |
| 17032+3459 | J740 | 2015.513 | 1 | 2.832 | 0.014 | 226.3* | 0.3 | 2.44 | | | | | |
| 17032+3459 | J740 | 2015.513 | 1 | 2.825 | 0.014 | 226.1* | 0.3 | | | | | | |
| 17040+4212 | ES634AB | 2015.484 | 1 | 2.066 | 0.010 | 93.1 | 0.3 | | | | | | |
| 17040+4212 | ES634AB | 2015.484 | 1 | 2.060 | 0.010 | 93.2* | 0.3 | 2.00 | | | | | |
| 17053+2531 | TDT205 | 2015.484 | 1 | — | — | — | — | | NR | | | | |
| 17076+4108 | COU1292 | 2015.519 | 1 | 0.538 | 0.016 | 165.7* | 1.0 | | | | | | |
| 17076+4108 | COU1292 | 2015.519 | 1 | 0.529 | 0.015 | 165.6* | 0.7 | | | | | | |
| 17080+3556 | HU1176AB | 2015.541 | 1 | — | — | — | — | | NR | | | | |
| 17094+2423 | A229 | 2015.584 | 1 | 1.224 | 0.011 | 357.1* | 0.4 | | | | | | |
| 17094+2423 | A229 | 2015.584 | 1 | 1.230 | 0.009 | 357.1* | 0.3 | | | | | | |
| 17094+2423 | A229 | 2015.584 | 1 | 1.222 | 0.010 | 357.0* | 0.5 | | | | | | |
| 17097+2420 | A230 | 2015.484 | 1 | 2.131 | 0.011 | 123.1* | 0.3 | | | | | | |
| 17097+2420 | A230 | 2015.484 | 1 | 2.133 | 0.011 | 122.9* | 0.3 | 0.61 | | | | | |
| 17104+3051 | TDT246 | 2015.541 | 1 | — | — | — | — | | NR | | | | |
| 17105+4645 | A1645 | 2015.494 | 1 | 0.164 | 0.030 | 42.9* | 3.5 | | | | | | |
| 17105+4645 | A1645 | 2015.494 | 1 | 0.162 | 0.042 | 46.9* | 4.4 | | | | | | |
| 17107+2312 | TDT250 | 2015.565 | 1 | 0.827 | 0.012 | 9.2 | 0.8 | | | | | | |
| 17107+2312 | TDT250 | 2015.565 | 1 | 0.766 | 0.018 | 9.5 | 0.8 | | | | | | |
| 17109+4044 | COU1293 | 2015.513 | 1 | 0.114 | 0.011 | 14.5 | 0.7 | | | | | | |
| 17109+4044 | COU1293 | 2015.513 | 1 | 0.147 | 0.031 | 10.6 | 3.1 | | | | | | |
| 17116+3916 | HU1178CD | 2015.519 | 1 | 1.337 | 0.016 | 77.4* | 0.8 | | | | | | |
| 17116+3916 | HU1178CD | 2015.519 | 1 | 1.325 | 0.048 | 76.7* | 0.6 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|-------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 17116+3916 | HU1178AB | 2015.519 | 1 | 0.288 | 0.057 | 4.5 | 1.0 | | | Zir2012 | -0.05 | -4.3 | 4 |
| 17116+3916 | HU1178AB | 2015.519 | 1 | 0.430 | 0.097 | 7.7 | 2.0 | | | Zir2012 | 0.09 | -1.1 | 4 |
| 17123+4315 | BRT342 | 2015.565 | 1 | 2.653 | 0.013 | 4.3* | 0.3 | 0.31 | | | | | |
| 17123+4315 | BRT342 | 2015.565 | 1 | 2.638 | 0.044 | 4.2* | 0.9 | | | | | | |
| 17125+2802 | COU493 | 2015.459 | 1 | 0.230 | 0.056 | 58.8 | 5.5 | | | | | | |
| 17125+2802 | COU493 | 2015.459 | 1 | 0.311 | 0.037 | 64.2* | 2.3 | | | | | | |
| 17134+4944 | COU1776 | 2015.513 | 1 | 0.460 | 0.026 | 277.3* | 1.4 | 0.34 | | | | | |
| 17134+4944 | COU1776 | 2015.513 | 1 | 0.474 | 0.007 | 276.9* | 0.8 | | | | | | |
| 17136+1716 | A2087 | 2015.484 | 1 | 0.465 | 0.007 | 131.4 | 0.4 | 0.16 | | Mnt2001a | 0.00 | -3.3 | 4 |
| 17136+1716 | A2087 | 2015.484 | 1 | 0.480 | 0.007 | 132.4 | 0.9 | | | Mnt2001a | 0.02 | -2.3 | 4 |
| 17142+2731 | COU495AB | 2015.459 | 1 | 0.785 | 0.038 | 100.1* | 2.4 | | | | | | |
| 17142+2731 | COU495AB | 2015.459 | 1 | 0.778 | 0.007 | 99.4 | 0.3 | 2.48 | LY | | | | |
| 17142+2731 | COU495AB | 2015.484 | 1 | 0.782 | 0.016 | 99.6 | 0.4 | | | | | | |
| 17142+2731 | COU495AB | 2015.484 | 1 | 0.796 | 0.010 | 100.0 | 0.4 | | | | | | |
| 17142+2731 | COU495AB | 2015.484 | 1 | 0.785 | 0.007 | 99.3* | 0.3 | | | | | | |
| 17142+2731 | COU495Aa,Ab | 2015.484 | 1 | 0.187 | 0.037 | 115.7 | 1.6 | | | NDg | | | |
| 17142+2731 | COU495Aa,Ab | 2015.484 | 1 | 0.162 | 0.030 | 108.0 | 4.1 | | | NDg | | | |
| 17145+1956 | HU488AB | 2015.519 | 1 | 2.894 | 0.030 | 105.2* | 0.4 | 3.64 | | | | | |
| 17145+1956 | HU488AB | 2015.519 | 1 | 2.898 | 0.014 | 105.2* | 0.3 | | | | | | |
| 17145+4331 | HDS2437 | 2015.494 | 1 | 0.743 | 0.020 | 121.7 | 0.4 | | | | | | |
| 17147+3448 | POP76 | 2015.513 | 1 | 2.195 | 0.019 | 108.7* | 0.3 | | | | | | |
| 17147+3448 | POP76 | 2015.513 | 1 | 2.196 | 0.030 | 108.6* | 0.3 | 0.71 | | | | | |
| 17155+2007 | HU489 | 2015.508 | 1 | 1.001 | 0.015 | 34.9* | 0.9 | 1.43 | | | | | |
| 17155+2007 | HU489 | 2015.508 | 1 | 1.018 | 0.007 | 35.1* | 0.3 | | | | | | |
| 17163+3458 | COU1141 | 2015.519 | 1 | 0.471 | 0.007 | 136.1* | 0.9 | | | | | | |
| 17163+3458 | COU1141 | 2015.519 | 1 | 0.503 | 0.009 | 135.2* | 0.5 | 0.76 | | | | | |
| 17164+4643 | HDS2442 | 2015.584 | 1 | 0.638 | 0.012 | 51.8* | 2.6 | | | | | | |
| 17164+4643 | HDS2442 | 2015.584 | 1 | 0.630 | 0.014 | 50.6* | 1.3 | | | | | | |
| 17173+2113 | HU668 | 2015.494 | 1 | 1.334 | 0.007 | 36.6* | 1.0 | | | | | | |
| 17173+2113 | HU668 | 2015.494 | 1 | 1.331 | 0.015 | 38.0* | 0.3 | | | | | | |
| 17174+1939 | COU496AB | 2015.459 | 1 | 0.810 | 0.010 | 170.5* | 0.3 | | | | | | |
| 17174+1939 | COU496AB | 2015.459 | 1 | 0.810 | 0.014 | 170.6* | 1.3 | | | | | | |
| 17175+3205 | BU629 | 2015.508 | 1 | 1.188 | 0.007 | 339.9* | 0.4 | | | | | | |
| 17175+3205 | BU629 | 2015.508 | 1 | 1.187 | 0.015 | 340.1* | 0.3 | | | | | | |
| 17177+3537 | COU993Aa,Ab | 2015.494 | 1 | 1.077 | 0.023 | 110.2* | 0.8 | | | | | | |
| 17177+3537 | COU993Aa,Ab | 2015.494 | 1 | 1.085 | 0.007 | 110.3* | 0.9 | | | | | | |
| 17178+4535 | STF2152 | 2015.514 | 1 | 1.963 | 0.010 | 237.6* | 0.3 | 1.06 | | | | | |
| 17178+4535 | STF2152 | 2015.514 | 1 | 1.952 | 0.012 | 237.9* | 0.3 | | | | | | |
| 17180+2317 | TDT299 | 2015.541 | 1 | 1.382 | 0.007 | 15.4* | 0.3 | | | | | | |
| 17180+2317 | TDT299 | 2015.541 | 1 | 1.390 | 0.038 | 15.5* | 0.4 | | | | | | |
| 17190+4408 | STF2154AB | 2015.508 | 1 | 2.000 | 0.012 | 253.1* | 0.3 | | | | | | |
| 17190+4408 | STF2154AB | 2015.508 | 1 | 2.002 | 0.010 | 253.1* | 0.3 | | | | | | |
| 17192+3221 | BU630 | 2015.459 | 1 | 1.484 | 0.007 | 222.5* | 0.3 | | | | | | |
| 17192+3221 | BU630 | 2015.459 | 1 | 1.480 | 0.007 | 222.7* | 0.3 | | | | | | |
| 17193+4917 | HU670 | 2015.519 | 1 | 0.137 | 0.013 | 7.8 | 8.8 | | | | | | |
| 17194+2802 | COU625 | 2015.494 | 1 | — | — | — | — | | | NR | | | |
| 17197+3703 | COU994 | 2015.508 | 1 | 0.501 | 0.013 | 212.0* | 1.2 | | | | | | |
| 17197+3703 | COU994 | 2015.508 | 1 | 0.481 | 0.012 | 212.2* | 0.8 | | | | | | |
| 17207+1524 | J452 | 2015.514 | 1 | 2.815 | 0.014 | 299.1* | 0.3 | 1.94 | | | | | |
| 17207+1524 | J452 | 2015.514 | 1 | 2.815 | 0.014 | 299.2* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 17215+2845 | KUI80AB | 2015.508 | 1 | 0.631 | 0.014 | 172.9* | 1.8 | | | | | | |
| 17215+2845 | KUI80AB | 2015.508 | 1 | 0.635 | 0.014 | 171.5* | 1.1 | | | | | | |
| 17221+2310 | COU415 | 2015.484 | 1 | 0.306 | 0.030 | 235.9 | 0.5 | | | Msn2011c | 0.05 | 4.7 | 3 |
| 17221+2310 | COU415 | 2015.484 | 1 | 0.241 | 0.007 | 237.6* | 0.5 | 0.87 | | Msn2011c | -0.02 | 6.4 | 3 |
| 17222+2605 | HO414AB | 2015.519 | 1 | 0.793 | 0.013 | 104.8* | 0.4 | | | | | | |
| 17222+2605 | HO414AB | 2015.519 | 1 | 0.782 | 0.015 | 104.8* | 0.8 | 2.41 | | | | | |
| 17228+2428 | COU112 | 2015.541 | 1 | 1.454 | 0.010 | 23.3* | 0.5 | | | | | | |
| 17228+2428 | COU112 | 2015.541 | 1 | 1.456 | 0.013 | 23.3* | 0.4 | | | | | | |
| 17229+4723 | COU1777 | 2015.484 | 1 | 0.456 | 0.011 | 225.6* | 1.5 | | | | | | |
| 17229+4723 | COU1777 | 2015.484 | 1 | 0.447 | 0.007 | 225.1* | 1.7 | 0.19 | | | | | |
| 17231+2545 | HO415 | 2015.585 | 1 | 0.900 | 0.007 | 344.6* | 0.8 | | | | | | |
| 17231+2545 | HO415 | 2015.585 | 1 | 0.906 | 0.020 | 344.3 | 0.8 | | | | | | |
| 17234+4209 | STF2163 | 2015.541 | 1 | 1.434 | 0.019 | 76.6* | 0.6 | | | | | | |
| 17234+4209 | STF2163 | 2015.541 | 1 | 1.429 | 0.007 | 76.5* | 0.7 | 0.34 | | | | | |
| 17235+1654 | A2183AB | 2015.585 | 1 | 1.168 | 0.027 | 136.2* | 0.6 | | | | | | |
| 17235+1654 | A2183AB | 2015.585 | 1 | 1.190 | 0.023 | 136.6* | 0.8 | | | | | | |
| 17240+3835 | HU1179 | 2015.565 | 1 | 0.324 | 0.010 | 273.0* | 0.3 | | | Hrt2000b | 0.06 | 3.3 | 2 |
| 17240+3835 | HU1179 | 2015.565 | 1 | 0.274 | 0.012 | 274.3* | 0.7 | | | Hrt2000b | 0.01 | 4.6 | 2 |
| 17249+3045 | B2544 | 2015.585 | 1 | 1.184 | 0.011 | 200.7 | 1.0 | | | | | | |
| 17249+3045 | B2544 | 2015.585 | 1 | 1.178 | 0.007 | 200.2 | 0.3 | | | | | | |
| 17249+4701 | A2089 | 2015.494 | 1 | 0.717 | 0.007 | 329.9* | 1.0 | | | | | | |
| 17249+4701 | A2089 | 2015.494 | 1 | 0.724 | 0.010 | 329.0* | 1.2 | | | | | | |
| 17250+4306 | COU1454 | 2015.459 | 1 | 0.953 | 0.010 | 327.0* | 0.3 | 0.02 | | | | | |
| 17250+4306 | COU1454 | 2015.459 | 1 | 0.956 | 0.008 | 326.9* | 0.4 | | | | | | |
| 17251+3444 | HU922Aa,Ab | 2015.484 | 1 | 0.297 | 0.010 | 31.8* | 2.0 | | | FMR2016b | 0.02 | -0.3 | 4 |
| 17251+3444 | HU922Aa,Ab | 2015.484 | 1 | 0.273 | 0.017 | 32.4* | 1.1 | 0.44 | | FMR2016b | -0.00 | 0.3 | 4 |
| 17254+2513 | COU416AB | 2015.484 | 1 | 2.225 | 0.011 | 150.6 | 0.3 | | | | | | |
| 17254+2513 | COU416AB | 2015.484 | 1 | 2.226 | 0.011 | 150.4* | 0.3 | 2.96 | | | | | |
| 17266+3546 | STF2168 | 2015.585 | 1 | 2.341 | 0.012 | 202.1* | 0.3 | | | | | | |
| 17266+3546 | STF2168 | 2015.585 | 1 | 2.338 | 0.012 | 202.1* | 0.4 | | | | | | |
| 17267+2101 | BRT2432 | 2015.566 | 1 | 2.722 | 0.014 | 350.9* | 0.3 | 0.43 | | | | | |
| 17267+2101 | BRT2432 | 2015.566 | 1 | 2.720 | 0.018 | 350.8* | 0.3 | | | | | | |
| 17276+2624 | COU498 | 2015.514 | 1 | 0.465 | 0.010 | 40.2* | 1.4 | | | | | | |
| 17276+2624 | COU498 | 2015.514 | 1 | 0.466 | 0.011 | 39.9* | 1.8 | | | | | | |
| 17290+3845 | COU1297 | 2015.508 | 1 | 0.228 | 0.019 | 101.8* | 0.7 | | | | | | |
| 17290+3845 | COU1297 | 2015.508 | 1 | 0.273 | 0.032 | 99.9* | 2.7 | | | | | | |
| 17313+1901 | COU499 | 2015.514 | 1 | — | — | — | — | | NR | | | | |
| 17326+3445 | HU1181AC | 2015.494 | 1 | 0.305 | 0.023 | 312.4* | 1.8 | | NDp | | | | |
| 17326+3445 | HU1181AC | 2015.494 | 1 | 0.281 | 0.056 | 314.9 | 3.1 | | NDp | | | | |
| 17326+3445 | HU1181AB | 2015.494 | 1 | 0.165 | 0.021 | 321.9 | 6.8 | | | | | | |
| 17326+3445 | HU1181AB | 2015.494 | 1 | 0.170 | 0.039 | 315.2 | 7.0 | | | | | | |
| 17336+1618 | LDS4752 | 2015.519 | 1 | 3.117 | 0.016 | 144.8 | 0.3 | 4.32 | | | | | |
| 17341+2959 | ES468 | 2015.566 | 1 | 2.537 | 0.014 | 11.5* | 0.3 | | | | | | |
| 17341+2959 | ES468 | 2015.566 | 1 | 2.539 | 0.013 | 11.3* | 0.3 | 1.15 | | | | | |
| 17344+3903 | FUR2 | 2015.514 | 1 | 2.116 | 0.011 | 51.3* | 0.3 | 1.35 | | | | | |
| 17344+3903 | FUR2 | 2015.514 | 1 | 2.114 | 0.018 | 51.7* | 0.7 | | | | | | |
| 17352+2207 | TDT423 | 2015.541 | 1 | — | — | — | — | | NR | | | | |
| 17370+2150 | BRT2435 | 2015.519 | 1 | 2.809 | 0.015 | 300.4* | 0.3 | 0.55 | | | | | |
| 17370+2150 | BRT2435 | 2015.519 | 1 | 2.796 | 0.026 | 300.8* | 0.4 | | | | | | |
| 17377+3017 | HDS2490 | 2015.508 | 1 | 0.202 | 0.014 | 156.6* | 2.2 | 0.16 | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 17377+3017 | HDS2490 | 2015.508 | 1 | 0.145 | 0.015 | 155.2* | 2.2 | | | | | | |
| 17380+3124 | TDT444 | 2015.541 | 1 | 1.301 | 0.007 | 211.7* | 0.3 | | | | | | |
| 17380+3124 | TDT444 | 2015.541 | 1 | 1.305 | 0.007 | 212.3* | 0.6 | | | | | | |
| 17381+3655 | HO69 | 2015.598 | 1 | 1.958 | 0.010 | 139.4* | 0.3 | | | | | | |
| 17381+3655 | HO69 | 2015.598 | 1 | 1.953 | 0.010 | 139.2* | 0.5 | | | | | | |
| 17383+4242 | A694 | 2015.494 | 1 | 1.224 | 0.019 | 103.7* | 0.4 | | | | | | |
| 17383+4242 | A694 | 2015.494 | 1 | 1.210 | 0.010 | 103.8* | 0.4 | | | | | | |
| 17383+4242 | A694Aa,Ab | 2015.494 | 1 | 0.263 | 0.029 | 124.4 | 1.1 | | NDp | | | | |
| 17383+4242 | A694Aa,Ab | 2015.494 | 1 | 0.285 | 0.028 | 122.7 | 3.1 | | NDp | | | | |
| 17383+4500 | ES1257AB | 2015.514 | 1 | 2.759 | 0.014 | 296.7* | 0.3 | 2.33 | | | | | |
| 17383+4500 | ES1257AB | 2015.514 | 1 | 2.759 | 0.014 | 296.8* | 0.3 | | | | | | |
| 17387+4923 | BEM28 | 2015.519 | 1 | 3.194 | 0.026 | 0.2* | 0.3 | 0.30 | | | | | |
| 17387+4923 | BEM28 | 2015.519 | 1 | 3.193 | 0.023 | 0.0* | 0.3 | | | | | | |
| 17396+1555 | J455 | 2015.519 | 1 | 2.668 | 0.013 | 204.8* | 0.6 | | | | | | |
| 17396+1555 | J455 | 2015.519 | 1 | 2.655 | 0.013 | 204.9* | 0.5 | 0.42 | | | | | |
| 17402+2318 | TDT458 | 2015.598 | 1 | 2.534 | 0.044 | 301.3* | 0.4 | | | | | | |
| 17402+2318 | TDT458 | 2015.598 | 1 | 2.523 | 0.034 | 301.4* | 0.3 | 1.12 | | | | | |
| 17406+2017 | AG211 | 2015.585 | 1 | 2.666 | 0.013 | 129.2* | 0.3 | | | | | | |
| 17406+2017 | AG211 | 2015.585 | 1 | 2.672 | 0.020 | 129.6* | 0.6 | | | | | | |
| 17407+3117 | HDS2501Aa,Ab | 2015.484 | 1 | 0.830 | 0.007 | 73.2 | 0.7 | | | | | | |
| 17412+4139 | STF2203 | 2015.566 | 1 | 0.778 | 0.010 | 293.2* | 0.9 | 0.99 | | | | | |
| 17412+4139 | STF2203 | 2015.566 | 1 | 0.779 | 0.008 | 293.3* | 0.4 | | | | | | |
| 17418+2130 | COU114 | 2015.484 | 1 | — | — | — | — | | NR | | | | |
| 17420+1557 | BU1251AB | 2015.494 | 1 | 1.423 | 0.021 | 102.7* | 0.3 | | | Baz1991a | 0.03 | 3.1 | 4 |
| 17420+1557 | BU1251AB | 2015.494 | 1 | 1.439 | 0.019 | 102.6 | 0.5 | | | Baz1991a | 0.05 | 3.0 | 4 |
| 17422+4423 | COU1596 | 2015.494 | 1 | 0.184 | 0.007 | 114.8* | 4.9 | | | | | | |
| 17422+4423 | COU1596 | 2015.494 | 1 | 0.151 | 0.014 | 119.3 | 4.3 | | | | | | |
| 17434+3357 | HO560AB | 2015.508 | 1 | 1.368 | 0.008 | 263.4* | 0.9 | 1.52 | | Izm2019 | 0.01 | 0.5 | 4 |
| 17434+3357 | HO560AB | 2015.508 | 1 | 1.376 | 0.015 | 263.8* | 0.4 | | | Izm2019 | 0.02 | 0.9 | 4 |
| 17442+2616 | TDT483 | 2015.541 | 1 | — | — | — | — | | NR | | | | |
| 17444+4615 | TDS879 | 2015.598 | 1 | 1.384 | 0.013 | 36.3* | 0.6 | | | | | | |
| 17444+4615 | TDS879 | 2015.598 | 1 | 1.358 | 0.023 | 36.9* | 0.8 | 0.23 | | | | | |
| 17455+3554 | HDS2509 | 2015.508 | 1 | 0.571 | 0.007 | 73.3* | 1.1 | | | | | | |
| 17456+3032 | HO70 | 2015.484 | 1 | 0.286 | 0.040 | 270.2 | 2.1 | | | | | | |
| 17456+3032 | HO70 | 2015.484 | 1 | 0.313 | 0.007 | 268.0* | 0.5 | | | | | | |
| 17456+3436 | TDT491 | 2015.566 | 1 | — | — | — | — | | NR | | | | |
| 17457+1743 | STF2205 | 2015.508 | 1 | 0.919 | 0.007 | 9.4* | 0.3 | | | Izm2019 | 0.05 | -1.3 | 4 |
| 17457+1743 | STF2205 | 2015.508 | 1 | 0.931 | 0.007 | 9.6* | 0.3 | 0.39 | | Izm2019 | 0.06 | -1.1 | 4 |
| 17469+3555 | MLB936 | 2015.514 | 1 | 3.077 | 0.015 | 81.2 | 0.3 | 2.75 | LY | | | | |
| 17469+4442 | BRT344 | 2015.519 | 1 | 3.153 | 0.047 | 185.7* | 0.3 | 0.23 | | | | | |
| 17469+4442 | BRT344 | 2015.519 | 1 | 3.151 | 0.028 | 185.8* | 0.7 | | | | | | |
| 17471+1742 | STF2215 | 2015.508 | 1 | 0.483 | 0.009 | 248.1* | 2.3 | | | Cve2006e | 0.03 | 0.4 | 4 |
| 17471+1742 | STF2215 | 2015.508 | 1 | 0.483 | 0.015 | 248.1* | 1.8 | | | Cve2006e | 0.03 | 0.4 | 4 |
| 17471+4737 | CHR64 | 2015.585 | 1 | 0.447 | 0.008 | 151.5* | 0.5 | | | Lin2012c | -0.00 | -2.9 | 5 |
| 17471+4737 | CHR64 | 2015.585 | 1 | 0.438 | 0.007 | 154.1* | 0.3 | | | Lin2012c | -0.01 | -0.3 | 5 |
| 17478+1619 | HEI254 | 2015.508 | 1 | 2.272 | 0.013 | 274.5* | 0.3 | | | | | | |
| 17478+1619 | HEI254 | 2015.508 | 1 | 2.254 | 0.019 | 274.6* | 0.5 | 2.06 | | | | | |
| 17486+2339 | BAR8 | 2015.566 | 1 | 1.164 | 0.007 | 237.5* | 1.0 | | | | | | |
| 17486+2339 | BAR8 | 2015.541 | 1 | 1.165 | 0.007 | 237.7* | 0.3 | | | | | | |
| 17490+2450 | J754AB | 2015.494 | 1 | 1.742 | 0.010 | 48.5* | 0.3 | 2.92 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|----------|-------|-------------------------------|-------------------------------------|-------|
| 17490+2450 | J754AB | 2015.494 | 1 | 1.739 | 0.017 | 49.1* | 0.4 | | | | | | |
| 17490+2511 | COU501 | 2015.598 | 1 | 1.907 | 0.019 | 318.9* | 0.3 | | | | | | |
| 17490+2511 | COU501 | 2015.598 | 1 | 1.908 | 0.027 | 318.9* | 0.3 | 0.84 | | | | | |
| 17494+4028 | COU1456 | 2015.541 | 1 | 1.400 | 0.007 | 274.7* | 0.4 | | | | | | |
| 17494+4028 | COU1456 | 2015.541 | 1 | 1.407 | 0.007 | 274.4* | 0.3 | 0.65 | | | | | |
| 17494+4028 | COU1456 | 2015.598 | 1 | 1.402 | 0.010 | 274.5* | 0.4 | | | | | | |
| 17494+4028 | COU1456 | 2015.598 | 1 | 1.402 | 0.007 | 274.6* | 0.4 | 1.03 | | | | | |
| 17496+2226 | COU502 | 2015.514 | 1 | 1.962 | 0.010 | 40.2* | 0.3 | 4.72 | | | | | |
| 17496+2226 | COU502 | 2015.514 | 1 | 1.967 | 0.010 | 40.0* | 0.5 | | | | | | |
| 17499+2447 | TDT523 | 2015.519 | 1 | — | — | — | — | | NR | | | | |
| 17504+3526 | STF2236AB | 2015.508 | 1 | 3.423 | 0.017 | 97.9* | 0.3 | | | | | | |
| 17504+3526 | STF2236AB | 2015.508 | 1 | 3.415 | 0.017 | 97.9 | 0.3 | | | | | | |
| 17504+3526 | STF2236AB | 2015.508 | 1 | 3.418 | 0.017 | 97.7 | 0.3 | | | | | | |
| 17504+3526 | STF2236AC | 2015.508 | 1 | 3.286 | 0.023 | 103.4 | 0.3 | | NDp | | | | |
| 17504+3526 | STF2236AC | 2015.508 | 1 | 3.275 | 0.016 | 103.9 | 0.3 | | NDp | | | | |
| 17504+3526 | ORL1Aa,Ab | 2015.508 | 1 | 0.242 | 0.043 | 30.9* | 1.4 | | | | | | |
| 17504+3526 | ORL1Aa,Ab | 2015.508 | 1 | 0.350 | 0.047 | 32.2* | 1.2 | | | | | | |
| 17506+3932 | COU1301 | 2015.585 | 1 | 1.799 | 0.010 | 85.8* | 0.3 | | | | | | |
| 17506+3932 | COU1301 | 2015.585 | 1 | 1.795 | 0.009 | 85.7* | 0.3 | | | | | | |
| 17508+3741 | STF2238 | 2015.519 | 1 | 2.398 | 0.012 | 284.9* | 0.3 | | | | | | |
| 17508+3741 | STF2238 | 2015.519 | 1 | 2.399 | 0.012 | 284.8* | 0.3 | 1.14 | | | | | |
| 17508+4824 | BU964 | 2015.585 | 1 | 1.059 | 0.008 | 154.9* | 0.3 | | | | | | |
| 17508+4824 | BU964 | 2015.585 | 1 | 1.066 | 0.013 | 154.5* | 0.6 | | | | | | |
| 17510+3010 | COU636 | 2015.612 | 1 | 1.490 | 0.007 | 268.3* | 0.3 | 0.85 | | | | | |
| 17510+3010 | COU636 | 2015.612 | 1 | 1.489 | 0.010 | 268.3* | 0.3 | | | | | | |
| 17512+3821 | HU1183 | 2015.494 | 1 | 0.491 | 0.013 | 191.4* | 1.5 | | | | | | |
| 17512+3821 | HU1183 | 2015.494 | 1 | 0.518 | 0.015 | 191.2 | 0.9 | | | | | | |
| 17518+2814 | STF2239 | 2015.494 | 1 | 2.421 | 0.013 | 318.6* | 0.9 | | | | | | |
| 17518+2814 | STF2239 | 2015.494 | 1 | 2.421 | 0.023 | 318.8* | 0.8 | | | | | | |
| 17520+1520 | STT338AB | 2015.612 | 1 | 0.830 | 0.007 | 164.1* | 0.5 | | Pru2012 | | 0.00 | 0.1 | 4 |
| 17520+1520 | STT338AB | 2015.612 | 1 | 0.842 | 0.018 | 163.2* | 0.8 | | Pru2012 | | 0.01 | -0.8 | 4 |
| 17523+4057 | A699 | 2015.494 | 2 | 0.371 | 0.020 | 118.7 | 2.6 | | | | | | |
| 17523+4057 | A699 | 2015.494 | 2 | 0.364 | 0.021 | 120.0 | 1.1 | | | | | | |
| 17525+1530 | L17AB | 2015.541 | 2 | 2.677 | 0.016 | 292.0* | 0.3 | 0.46 | | | | | |
| 17525+1530 | L17AB | 2015.541 | 1 | 2.665 | 0.013 | 291.7 | 0.3 | | | | | | |
| 17525+1530 | L17AB | 2015.566 | 1 | 2.682 | 0.027 | 291.8* | 0.4 | 0.12 | | | | | |
| 17526+2536 | A234AB | 2015.585 | 1 | 0.128 | 0.031 | 98.1 | 7.4 | | | | | | |
| 17526+2536 | A234AB | 2015.585 | 1 | 0.114 | 0.035 | 103.6 | 7.7 | | | | | | |
| 17528+2347 | HDS2522 | 2015.598 | 1 | — | — | — | — | | NR | | | | |
| 17533+1904 | KU56AB | 2015.566 | 1 | 2.879 | 0.014 | 127.2* | 0.3 | | | | | | |
| 17533+1904 | KU56AB | 2015.566 | 1 | 2.889 | 0.026 | 127.2* | 0.3 | 1.37 | | | | | |
| 17533+2459 | A235 | 2015.585 | 1 | 0.195 | 0.049 | 60.7* | 3.5 | | Hrt2014b | | -0.05 | -1.8 | 2 |
| 17533+2459 | A235 | 2015.585 | 1 | 0.179 | 0.019 | 62.6* | 1.8 | | Hrt2014b | | -0.07 | 0.1 | 2 |
| 17533+4000 | BU130 | 2015.494 | 1 | 1.556 | 0.008 | 110.0 | 0.3 | | | | | | |
| 17533+4000 | BU130 | 2015.566 | 1 | 1.575 | 0.008 | 111.2 | 0.3 | | | | | | |
| 17533+4000 | BU130 | 2015.566 | 1 | 1.564 | 0.013 | 110.7 | 0.3 | | | | | | |
| 17541+2949 | AC9 | 2015.612 | 1 | 1.138 | 0.008 | 241.2* | 0.4 | 0.76 | | | | | |
| 17541+2949 | AC9 | 2015.612 | 1 | 1.134 | 0.007 | 241.3* | 0.3 | | | | | | |
| 17544+2030 | BRT2837 | 2015.514 | 1 | 2.768 | 0.014 | 280.7 | 0.3 | 1.80 | LY | | | | |
| 17544+2030 | BRT2837 | 2015.514 | 1 | 2.759 | 0.034 | 281.0* | 0.4 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|----------|-------|--------------------------------------|--|-------|
| 17544+3439 | A1884 | 2015.494 | 1 | 2.237 | 0.023 | 311.5* | 0.5 | | | | | | |
| 17544+3439 | A1884 | 2015.494 | 1 | 2.235 | 0.025 | 311.7* | 0.3 | | | | | | |
| 17556+2508 | COU503 | 2015.514 | 1 | 0.354 | 0.007 | 117.8* | 0.3 | | | | | | |
| 17556+2508 | COU503 | 2015.514 | 1 | 0.292 | 0.049 | 120.0 | 2.0 | | | | | | |
| 17557+4626 | BAR43AB | 2015.519 | 1 | 1.929 | 0.010 | 253.1* | 0.3 | 3.88 | | | | | |
| 17557+4626 | BAR43AB | 2015.519 | 1 | 1.937 | 0.010 | 253.7* | 0.5 | | | | | | |
| 17559+4351 | ES1415AB | 2015.612 | 1 | 1.715 | 0.009 | 129.6* | 0.3 | | | | | | |
| 17559+4351 | ES1415Aa,Ab | 2015.612 | 1 | 0.322 | 0.023 | 32.5 | 3.2 | | NDp | | | | |
| 17559+4351 | ES1415Aa,Ab | 2015.612 | 1 | 0.329 | 0.007 | 33.2 | 2.5 | | NDp | | | | |
| 17562+3926 | BU417 | 2015.585 | 1 | 0.959 | 0.024 | 316.6* | 0.6 | 0.54 | | | | | |
| 17562+3926 | BU417 | 2015.585 | 1 | 0.980 | 0.009 | 315.9* | 0.3 | | | | | | |
| 17571+4551 | HU235 | 2015.566 | 1 | 1.582 | 0.018 | 286.8* | 0.7 | | | | | | |
| 17571+4551 | HU235 | 2015.566 | 1 | 1.567 | 0.017 | 286.4* | 0.4 | | | | | | |
| 17571+4551 | HU235 | 2015.567 | 1 | 1.596 | 0.026 | 287.1* | 0.8 | | | | | | |
| 17571+4551 | HU235 | 2015.567 | 1 | 1.579 | 0.008 | 286.5 | 0.3 | | | | | | |
| 17574+3540 | HO73CD | 2015.598 | 1 | 1.935 | 0.011 | 213.9 | 1.0 | 0.78 | | | | | |
| 17574+3540 | HO73CD | 2015.598 | 1 | 1.925 | 0.012 | 214.0 | 0.3 | | | | | | |
| 17574+3540 | HO73Ca,Cb | 2015.598 | 1 | 0.200 | 0.007 | 115.6 | 0.7 | | NDg | | | | |
| 17577+1707 | AG357 | 2015.585 | 1 | 2.867 | 0.014 | 190.5* | 0.3 | | | | | | |
| 17577+1707 | AG357 | 2015.585 | 1 | 2.861 | 0.015 | 190.4* | 0.3 | 3.02 | | | | | |
| 17584+3524 | COU1000 | 2015.508 | 1 | 0.908 | 0.007 | 153.8* | 0.3 | | | | | | |
| 17584+3524 | COU1000 | 2015.508 | 1 | 0.864 | 0.022 | 154.3* | 0.3 | | | | | | |
| 17590+4058 | BRT345 | 2015.494 | 1 | 2.758 | 0.014 | 318.0* | 0.3 | | | | | | |
| 17590+4058 | BRT345 | 2015.494 | 1 | 2.775 | 0.015 | 318.0* | 0.6 | 0.09 | | | | | |
| 17591+3716 | J755 | 2015.519 | 1 | 1.597 | 0.030 | 141.4* | 1.2 | 1.70 | | | | | |
| 17591+3716 | J755 | 2015.519 | 1 | 1.619 | 0.020 | 141.9* | 0.3 | | | | | | |
| 18003+2154 | A1374AB | 2015.494 | 1 | 0.466 | 0.010 | 215.0* | 3.2 | | Mdz2017 | | 0.01 | -0.1 | 5 |
| 18003+2154 | A1374AB | 2015.494 | 1 | 0.497 | 0.010 | 217.3* | 2.2 | | Mdz2017 | | 0.04 | 2.2 | 5 |
| 18011+3558 | POP210BC | 2015.519 | 1 | 2.910 | 0.046 | 134.4* | 0.8 | | | | | | |
| 18011+3558 | POP210BC | 2015.519 | 1 | 2.891 | 0.029 | 134.5* | 0.8 | 0.08 | | | | | |
| 18030+4442 | ES1416 | 2015.508 | 1 | 1.495 | 0.010 | 72.5* | 0.3 | | | | | | |
| 18030+4442 | ES1416 | 2015.508 | 1 | 1.484 | 0.007 | 72.6* | 1.0 | 0.04 | | | | | |
| 18043+4206 | COU1786Aa,Ab | 2015.541 | 1 | 0.123 | 0.040 | 7.2 | 7.5 | | Hrt2009 | | -0.06 | 10.6 | 3 |
| 18043+4206 | COU1786Aa,Ab | 2015.656 | 1 | 0.128 | 0.047 | 1.4 | 8.0 | | Hrt2009 | | -0.05 | 4.4 | 3 |
| 18043+4206 | COU1786Aa,Ab | 2015.585 | 1 | 0.140 | 0.038 | 1.6 | 7.3 | | Hrt2009 | | -0.04 | 4.9 | 3 |
| 18043+4206 | COU1786Aa,Ab | 2015.598 | 1 | 0.160 | 0.007 | 10.0* | 4.1 | | Hrt2009 | | -0.02 | 13.2 | 3 |
| 18043+4206 | COU1786Aa,Ab | 2015.656 | 1 | 0.298 | 0.007 | 4.6* | 0.5 | | Hrt2009 | | 0.12 | 7.6 | 3 |
| 18051+3819 | J1218AB | 2015.519 | 1 | 3.012 | 0.018 | 160.2 | 0.5 | | | | | | |
| 18051+3819 | J1218AB | 2015.519 | 1 | 2.984 | 0.013 | 160.1 | 0.7 | | | | | | |
| 18051+3819 | J1218Aa,Ab | 2015.519 | 1 | 0.312 | 0.022 | 113.3 | 1.8 | | NDp | | | | |
| 18051+3819 | J1218Aa,Ab | 2015.519 | 1 | 0.347 | 0.013 | 112.3 | 1.7 | | NDp | | | | |
| 18053+2357 | COU116 | 2015.612 | 1 | 0.755 | 0.007 | 248.7* | 0.6 | | | | | | |
| 18053+2357 | COU116 | 2015.612 | 1 | 0.762 | 0.011 | 248.9 | 0.6 | | | | | | |
| 18058+2127 | STT341AB | 2015.585 | 1 | 0.276 | 0.007 | 95.6* | 0.7 | | Hei1982b | | -0.03 | 1.2 | 2 |
| 18064+3837 | ES2017 | 2015.566 | 1 | 2.578 | 0.032 | 261.8* | 0.9 | | | | | | |
| 18064+3837 | ES2017 | 2015.566 | 1 | 2.604 | 0.021 | 261.4* | 0.6 | | | | | | |
| 18065+4022 | STF2282AC | 2015.541 | 1 | 2.747 | 0.016 | 80.3 | 0.3 | | | | | | |
| 18065+4022 | STF2282AC | 2015.541 | 1 | 2.770 | 0.014 | 80.0 | 0.3 | | | | | | |
| 18065+4022 | STF2282AC | 2015.598 | 1 | 2.782 | 0.014 | 79.8* | 0.3 | | | | | | |
| 18065+4022 | STF2282AC | 2015.598 | 1 | 2.777 | 0.014 | 79.8* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 18065+4022 | STF2282AB | 2015.541 | 1 | 2.579 | 0.013 | 83.0 | 0.3 | | | | | | |
| 18065+4022 | STF2282AB | 2015.541 | 1 | 2.588 | 0.013 | 82.9 | 0.3 | | | | | | |
| 18065+4022 | STF2282AB | 2015.543 | 1 | 2.600 | 0.013 | 82.7 | 0.3 | 0.59 | LY | | | | |
| 18065+4022 | STF2282AB | 2015.598 | 1 | 2.607 | 0.013 | 82.6* | 0.3 | | | | | | |
| 18065+4022 | STF2282AB | 2015.598 | 1 | 2.605 | 0.013 | 82.6* | 0.3 | | | | | | |
| 18065+4022 | STF2282BC | 2015.541 | 1 | 0.204 | 0.007 | 223.8* | 0.3 | 0.36 | LY | | | | |
| 18065+4022 | STF2282BC | 2015.541 | 1 | 0.210 | 0.007 | 224.7 | 0.3 | | | | | | |
| 18065+4022 | STF2282BC | 2015.541 | 1 | 0.252 | 0.007 | 225.2 | 3.0 | | | | | | |
| 18065+4022 | STF2282BC | 2015.598 | 1 | 0.219 | 0.007 | 216.5* | 2.0 | | | | | | |
| 18065+4022 | STF2282BC | 2015.598 | 1 | 0.261 | 0.018 | 220.7 | 0.9 | | | | | | |
| 18068+2326 | COU417 | 2015.514 | 1 | 1.461 | 0.028 | 90.5* | 0.5 | | | | | | |
| 18068+2326 | COU417 | 2015.514 | 1 | 1.456 | 0.039 | 90.4* | 0.7 | 0.52 | | | | | |
| 18070+3034 | AC15AB | 2015.541 | 1 | 1.335 | 0.012 | 325.8* | 1.5 | | | Jao2016 | -0.03 | -1.0 | 2 |
| 18070+3034 | AC15AB | 2015.541 | 1 | 1.318 | 0.027 | 326.2 | 0.5 | | | Jao2016 | -0.05 | -0.6 | 2 |
| 18070+3034 | AC15AB | 2015.612 | 1 | 1.345 | 0.027 | 327.7 | 0.9 | | | Jao2016 | -0.02 | 0.8 | 2 |
| 18070+3034 | AC15AB | 2015.612 | 1 | 1.334 | 0.027 | 326.6 | 1.4 | | | Jao2016 | -0.03 | -0.3 | 2 |
| 18070+3034 | SCA170Aa,Ab | 2015.541 | 1 | 0.131 | 0.024 | 124.8 | 1.8 | | | | | | |
| 18070+3034 | SCA170Aa,Ab | 2015.541 | 1 | 0.127 | 0.017 | 121.3 | 2.3 | | | | | | |
| 18075+1940 | STT524 | 2015.585 | 1 | 0.486 | 0.007 | 207.2* | 0.3 | | | Hrt2000c | 0.02 | 0.6 | 4 |
| 18075+1940 | STT524 | 2015.585 | 1 | 0.489 | 0.011 | 206.1* | 1.1 | | | Hrt2000c | 0.02 | -0.5 | 4 |
| 18078+2606 | CHR67Aa,Ab | 2015.585 | 1 | — | — | — | — | | NR | | | | |
| 18078+2606 | CHR67Aa,Ab | 2015.585 | 1 | 0.117 | 0.035 | 327.5 | 7.7 | | | Tok2021c | -0.12 | -9.0 | 3 |
| 18078+2606 | CHR67Aa,Ab | 2015.585 | 1 | 0.141 | 0.030 | 334.0 | 6.5 | | | Tok2021c | -0.09 | -2.5 | 3 |
| 18081+3449 | POP211 | 2015.541 | 1 | 2.827 | 0.060 | 292.8* | 0.9 | | | | | | |
| 18081+3449 | POP211 | 2015.541 | 1 | 2.829 | 0.086 | 293.0* | 0.7 | 0.24 | | | | | |
| 18084+4407 | HDS2554 | 2015.598 | 1 | 0.141 | 0.046 | 217.8 | 5.9 | | | Hor2011b | 0.02 | 4.5 | 4 |
| 18084+4407 | HDS2554 | 2015.598 | 1 | 0.161 | 0.007 | 213.1 | 6.0 | | | Hor2011b | 0.04 | -0.2 | 4 |
| 18088+2450 | POU3352 | 2015.598 | 1 | 3.353 | 0.027 | 301.7* | 0.4 | | | | | | |
| 18088+2450 | POU3352 | 2015.598 | 1 | 3.339 | 0.037 | 301.2* | 0.7 | 0.42 | | | | | |
| 18094+3144 | A237AB | 2015.541 | 1 | 2.312 | 0.018 | 103.0* | 0.5 | | | | | | |
| 18094+3144 | A237AB | 2015.541 | 1 | 2.315 | 0.012 | 102.9* | 0.3 | 2.80 | | | | | |
| 18094+3144 | A237AB | 2015.612 | 1 | 2.303 | 0.017 | 102.7* | 0.3 | | | | | | |
| 18094+3144 | A237AB | 2015.612 | 1 | 2.310 | 0.012 | 102.8* | 0.3 | | | | | | |
| 18101+1629 | STF2289 | 2015.566 | 1 | 1.254 | 0.018 | 217.7* | 0.9 | | | Izm2019 | 0.04 | -1.1 | 4 |
| 18101+1629 | STF2289 | 2015.566 | 1 | 1.229 | 0.010 | 217.9* | 0.9 | | | Izm2019 | 0.01 | -0.9 | 4 |
| 18110+3124 | ES345 | 2015.566 | 1 | 2.711 | 0.016 | 14.8* | 0.4 | | | | | | |
| 18110+3124 | ES345 | 2015.566 | 1 | 2.711 | 0.014 | 15.0* | 0.3 | 0.10 | | | | | |
| 18112+3906 | HDS2565 | 2015.585 | 1 | 0.653 | 0.009 | 340.5* | 1.0 | | | | | | |
| 18112+3906 | HDS2565 | 2015.585 | 1 | 0.675 | 0.012 | 339.7* | 0.4 | | | | | | |
| 18113+1713 | HU317 | 2015.647 | 1 | 1.463 | 0.007 | 205.6 | 0.5 | | | | | | |
| 18113+1713 | HU317 | 2015.647 | 1 | 1.460 | 0.007 | 205.4* | 0.3 | 0.32 | | | | | |
| 18117+4758 | COU2116 | 2015.612 | 1 | 1.376 | 0.007 | 302.0* | 0.5 | 2.86 | | | | | |
| 18117+4758 | COU2116 | 2015.612 | 1 | 1.386 | 0.012 | 302.1* | 0.4 | | | | | | |
| 18118+3327 | H082AB,C | 2015.612 | 1 | 0.703 | 0.007 | 219.4* | 0.3 | | | | | | |
| 18121+4015 | LEO1 | 2015.612 | 1 | 1.463 | 0.009 | 147.0* | 0.3 | 1.97 | | | | | |
| 18121+4015 | LEO1 | 2015.612 | 1 | 1.469 | 0.011 | 146.6* | 0.5 | | | | | | |
| 18173+2025 | J759 | 2015.661 | 1 | 2.505 | 0.018 | 261.7* | 0.3 | | | | | | |
| 18173+2025 | J759 | 2015.661 | 1 | 2.518 | 0.013 | 261.5* | 0.5 | 0.28 | | | | | |
| 18173+4355 | A577 | 2015.508 | 1 | 0.704 | 0.013 | 304.2* | 0.4 | | | | | | |
| 18173+4355 | A577 | 2015.508 | 1 | 0.692 | 0.016 | 304.4* | 0.7 | 0.74 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 18189+3248 | COU1009 | 2015.519 | 1 | 2.399 | 0.012 | 82.4 | 0.3 | | | | | | |
| 18189+3248 | COU1009 | 2015.519 | 1 | 2.408 | 0.012 | 82.5 | 0.3 | | | | | | |
| 18195+3336 | COU1010 | 2015.508 | 1 | 1.165 | 0.007 | 163.6* | 0.4 | | | | | | |
| 18195+3336 | COU1010 | 2015.508 | 1 | 1.159 | 0.013 | 163.4* | 0.8 | | | | | | |
| 18205+2055 | COU202 | 2015.514 | 1 | 0.145 | 0.053 | 299.5* | 6.1 | | | | | | |
| 18205+2055 | COU202 | 2015.514 | 1 | 0.230 | 0.058 | 300.1* | 1.7 | | | | | | |
| 18206+3150 | BRT2291 | 2015.566 | 1 | 2.730 | 0.015 | 147.5* | 0.3 | 1.42 | | | | | |
| 18206+3150 | BRT2291 | 2015.566 | 1 | 2.730 | 0.014 | 147.4* | 0.3 | | | | | | |
| 18207+3547 | COU1148 | 2015.508 | 1 | 1.917 | 0.045 | 72.1* | 1.5 | 0.11 | | | | | |
| 18207+3547 | COU1148 | 2015.508 | 1 | 1.908 | 0.036 | 73.4* | 2.0 | | | | | | |
| 18211+3917 | COU1459Aa,Ab | 2015.519 | 1 | 0.463 | 0.007 | 157.1* | 1.6 | 0.16 | NDp | | | | |
| 18211+3917 | COU1459Aa,Ab | 2015.519 | 1 | 0.462 | 0.057 | 157.8* | 1.4 | | NDp | | | | |
| 18218+2130 | BU641 | 2015.598 | 1 | 0.782 | 0.016 | 341.7* | 0.3 | | | | | | |
| 18218+2130 | BU641 | 2015.598 | 1 | 0.779 | 0.011 | 341.4* | 0.6 | | | | | | |
| 18221+4821 | HU582 | 2015.598 | 1 | 2.275 | 0.012 | 191.6* | 0.3 | | | | | | |
| 18221+4821 | HU582 | 2015.598 | 1 | 2.263 | 0.024 | 191.2* | 0.3 | | | | | | |
| 18223+2036 | L20 | 2015.598 | 1 | 2.424 | 0.016 | 337.4* | 0.3 | 2.29 | | | | | |
| 18223+2036 | L20 | 2015.598 | 1 | 2.439 | 0.014 | 337.7* | 0.3 | | | | | | |
| 18225+3130 | J760 | 2015.566 | 1 | 3.083 | 0.031 | 212.1* | 0.4 | | | | | | |
| 18225+3130 | J760 | 2015.566 | 1 | 3.090 | 0.029 | 211.8* | 0.3 | 1.40 | | | | | |
| 18227+3522 | ES2172 | 2015.598 | 1 | 2.791 | 0.014 | 45.0* | 0.4 | 1.30 | | | | | |
| 18227+3522 | ES2172 | 2015.598 | 1 | 2.796 | 0.041 | 45.8* | 0.8 | | | | | | |
| 18230+3007 | HDS2599 | 2015.585 | 1 | 0.385 | 0.037 | 16.2* | 3.1 | | | | | | |
| 18230+3007 | HDS2599 | 2015.585 | 1 | 0.280 | 0.069 | 13.5* | 3.9 | | | | | | |
| 18233+2731 | HO83 | 2015.661 | 1 | 0.837 | 0.007 | 114.9* | 0.3 | 1.77 | | Izm2019 | 0.00 | 1.1 | 5 |
| 18239+3824 | HEI803 | 2015.508 | 1 | 3.347 | 0.024 | 284.0* | 0.4 | | | | | | |
| 18239+3824 | HEI803 | 2015.508 | 1 | 3.388 | 0.022 | 283.9* | 0.3 | 2.23 | | | | | |
| 18243+3609 | HDS2603 | 2015.514 | 1 | 0.821 | 0.013 | 352.0 | 0.6 | | | | | | |
| 18243+3609 | HDS2603 | 2015.514 | 1 | 0.838 | 0.016 | 351.8* | 0.4 | | | | | | |
| 18250+2724 | STF2315AB | 2015.566 | 1 | 0.626 | 0.013 | 118.4 | 1.0 | | | WSI2004b | 0.01 | 1.6 | 4 |
| 18250+2724 | STF2315AB | 2015.566 | 1 | 0.621 | 0.007 | 118.0 | 0.8 | | | WSI2004b | 0.01 | 1.2 | 4 |
| 18253+2605 | STF2317BC | 2015.508 | 1 | 1.417 | 0.035 | 321.9* | 0.6 | 0.08 | | | | | |
| 18253+2605 | STF2317BC | 2015.508 | 1 | 1.416 | 0.049 | 321.5* | 0.7 | | | | | | |
| 18253+4846 | HU66BC | 2015.585 | 1 | 0.879 | 0.037 | 26.5* | 1.8 | | | Izm2019 | 0.02 | 0.5 | 5 |
| 18253+4846 | HU66BC | 2015.585 | 1 | 0.877 | 0.030 | 26.8 | 1.8 | | | Izm2019 | 0.02 | 0.8 | 5 |
| 18253+4846 | HU66BC | 2015.586 | 1 | 0.807 | 0.037 | 26.6* | 1.3 | 0.12 | | Izm2019 | -0.05 | 0.6 | 5 |
| 18264+4326 | HDS2606 | 2015.508 | 1 | 1.017 | 0.007 | 49.0 | 0.6 | | | | | | |
| 18264+4326 | HDS2606 | 2015.508 | 1 | 1.004 | 0.007 | 48.9 | 0.4 | | | | | | |
| 18273+2012 | TDS922 | 2015.661 | 1 | 2.288 | 0.025 | 205.6* | 0.5 | | | | | | |
| 18273+2012 | TDS922 | 2015.661 | 1 | 2.291 | 0.011 | 205.5* | 0.3 | 0.78 | | | | | |
| 18276+2423 | AG223 | 2015.566 | 1 | 2.548 | 0.013 | 50.2* | 0.3 | 1.50 | | | | | |
| 18276+2423 | AG223 | 2015.566 | 1 | 2.560 | 0.027 | 49.9* | 0.8 | | | | | | |
| 18292+1622 | HEI258 | 2015.612 | 1 | 0.324 | 0.028 | 121.6 | 1.7 | | | | | | |
| 18292+1622 | HEI258 | 2015.612 | 1 | 0.350 | 0.021 | 123.4 | 1.1 | | | | | | |
| 18294+4158 | ES1559BC | 2015.514 | 1 | 1.996 | 0.010 | 185.3* | 0.4 | 0.62 | | | | | |
| 18294+4158 | ES1559BC | 2015.514 | 1 | 1.990 | 0.018 | 185.0* | 0.5 | | | | | | |
| 18296+2603 | HDS2619AB | 2015.598 | 1 | — | — | — | — | | NR | | | | |
| 18298+1747 | BRT2447 | 2015.598 | 1 | 2.780 | 0.015 | 179.9* | 0.4 | 0.16 | | | | | |
| 18298+1747 | BRT2447 | 2015.598 | 1 | 2.779 | 0.014 | 179.6* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|----------|-------|-------------------------------|-------------------------------------|-------|
| 18300+3710 | BU420AB | 2015.612 | 1 | 1.796 | 0.009 | 274.0* | 0.5 | | | | | | |
| 18300+3710 | BU420AB | 2015.612 | 1 | 1.787 | 0.009 | 274.1* | 0.3 | | | | | | |
| 18305+2519 | A246 | 2015.656 | 1 | 1.465 | 0.049 | 163.4* | 1.2 | | | | | | |
| 18305+2519 | A246 | 2015.656 | 1 | 1.482 | 0.038 | 165.0 | 0.5 | | | | | | |
| 18306+2805 | ES476AB | 2015.612 | 1 | 2.824 | 0.014 | 347.3* | 0.3 | 1.38 | | | | | |
| 18310+2221 | J806 | 2015.514 | 1 | 2.365 | 0.012 | 239.6* | 0.3 | | | | | | |
| 18310+2221 | J806 | 2015.514 | 1 | 2.345 | 0.030 | 240.4* | 0.5 | | | | | | |
| 18313+3447 | POP152 | 2015.519 | 1 | 2.792 | 0.035 | 311.4 | 0.6 | | | | | | |
| 18313+3447 | POP152 | 2015.519 | 1 | 2.838 | 0.049 | 312.4 | 0.7 | | | | | | |
| 18316+3846 | COU1604 | 2015.612 | 1 | 1.796 | 0.009 | 130.5* | 0.3 | | | | | | |
| 18316+3846 | COU1604 | 2015.612 | 1 | 1.807 | 0.035 | 130.2* | 0.3 | | | | | | |
| 18322+2350 | POU3420 | 2015.514 | 1 | 2.807 | 0.030 | 355.2* | 0.3 | 0.08 | | | | | |
| 18322+2350 | POU3420 | 2015.514 | 1 | 2.809 | 0.022 | 355.1* | 0.3 | | | | | | |
| 18323+1625 | HDS2630 | 2015.656 | 1 | — | — | — | — | | NR | | | | |
| 18324+3231 | TDT932 | 2015.661 | 1 | 0.516 | 0.012 | 317.9* | 0.6 | 0.46 | | | | | |
| 18324+3231 | TDT932 | 2015.661 | 1 | 0.506 | 0.007 | 318.2* | 0.4 | | | | | | |
| 18335+3510 | HO86 | 2015.566 | 1 | 0.354 | 0.037 | 200.9* | 2.1 | | | | | | |
| 18335+3510 | HO86 | 2015.566 | 1 | 0.353 | 0.037 | 188.1 | 2.9 | | | | | | |
| 18343+1841 | MET85AC | 2015.566 | 1 | 3.197 | 0.016 | 28.7 | 0.3 | | | | | | |
| 18343+2258 | TDT938 | 2015.661 | 1 | 0.914 | 0.012 | 66.0* | 0.5 | | | | | | |
| 18343+2258 | TDT938 | 2015.661 | 1 | 0.917 | 0.021 | 66.9* | 0.3 | | | | | | |
| 18355+2336 | STT359 | 2015.683 | 1 | 0.763 | 0.010 | 5.5* | 0.9 | 1.06 | Sca2009a | | 0.02 | 1.3 | 3 |
| 18355+2336 | STT359 | 2015.683 | 1 | 0.769 | 0.009 | 5.6* | 0.7 | | Sca2009a | | 0.02 | 1.4 | 3 |
| 18358+2522 | HDS2637 | 2015.656 | 1 | 0.238 | 0.030 | 115.8 | 6.0 | | | | | | |
| 18358+2522 | HDS2637 | 2015.656 | 1 | 0.115 | 0.092 | 123.8 | 8.0 | | | | | | |
| 18361+2452 | A249 | 2015.637 | 1 | 1.015 | 0.017 | 278.6 | 2.3 | | | | | | |
| 18361+2452 | A249 | 2015.637 | 1 | 1.017 | 0.017 | 278.6* | 2.3 | 0.56 | | | | | |
| 18366+3505 | COU1307 | 2015.508 | 1 | 1.137 | 0.017 | 327.2* | 0.3 | | | | | | |
| 18366+3505 | COU1307 | 2015.508 | 1 | 1.141 | 0.021 | 327.3* | 0.7 | 0.56 | | | | | |
| 18368+2120 | HU323 | 2015.121 | 1 | 0.231 | 0.028 | 145.0 | 4.3 | 0.32 | | | | | |
| 18368+2120 | HU323 | 2015.585 | 1 | 0.170 | 0.035 | 142.8* | 3.8 | | | | | | |
| 18368+2120 | HU323 | 2015.585 | 1 | 0.235 | 0.037 | 143.9* | 2.0 | | | | | | |
| 18370+1910 | J799 | 2015.519 | 1 | 2.666 | 0.013 | 71.3* | 0.3 | 1.77 | | | | | |
| 18370+1910 | J799 | 2015.519 | 1 | 2.677 | 0.020 | 71.4* | 0.5 | | | | | | |
| 18375+3112 | A250 | 2015.514 | 1 | 2.524 | 0.013 | 113.6* | 0.3 | | | | | | |
| 18375+3112 | A250 | 2015.514 | 1 | 2.521 | 0.013 | 113.5* | 0.3 | | | | | | |
| 18384+2842 | STF2356 | 2015.598 | 1 | 1.121 | 0.007 | 63.0* | 0.8 | | | | | | |
| 18384+2842 | STF2356 | 2015.598 | 1 | 1.133 | 0.011 | 63.0* | 0.3 | | | | | | |
| 18389+4042 | A586 | 2015.519 | 1 | 2.228 | 0.011 | 202.8* | 0.3 | | | | | | |
| 18389+4042 | A586 | 2015.519 | 1 | 2.227 | 0.011 | 202.7* | 0.3 | | | | | | |
| 18389+4658 | ES1160 | 2015.566 | 1 | 1.485 | 0.007 | 358.7* | 0.5 | 0.90 | | | | | |
| 18389+4658 | ES1160 | 2015.566 | 1 | 1.486 | 0.024 | 358.5* | 0.9 | | | | | | |
| 18400+4346 | BRT1920 | 2015.612 | 1 | 2.933 | 0.015 | 196.9* | 0.3 | 0.49 | | | | | |
| 18400+4346 | BRT1920 | 2015.612 | 1 | 2.949 | 0.015 | 196.4* | 0.7 | | | | | | |
| 18401+2335 | POU3461 | 2015.637 | 1 | 3.085 | 0.018 | 244.0 | 0.5 | | | | | | |
| 18401+2335 | POU3461 | 2015.637 | 1 | 3.097 | 0.018 | 244.2* | 0.3 | 0.30 | | | | | |
| 18403+3425 | HDS2645AB | 2015.656 | 1 | 1.872 | 0.015 | 19.0* | 0.3 | | | | | | |
| 18403+3425 | HDS2645AB | 2015.656 | 1 | 1.873 | 0.010 | 19.2* | 0.6 | | | | | | |
| 18405+3139 | HO437AB | 2015.656 | 2 | 0.304 | 0.014 | 136.8* | 2.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 18405+3139 | HO437AB | 2015.656 | 1 | 0.286 | 0.023 | 138.1 | 2.3 | | | | | | |
| 18410+2450 | A2988 | 2015.612 | 1 | 0.156 | 0.027 | 223.1* | 5.0 | | | FMR2010f | 0.02 | 1.7 | 3 |
| 18410+2450 | A2988 | 2015.612 | 1 | 0.142 | 0.028 | 221.5 | 5.7 | | | FMR2010f | 0.00 | 0.1 | 3 |
| 18413+3018 | STF2367AB | 2015.508 | 1 | 0.446 | 0.007 | 74.6* | 0.3 | | | Pbx2000b | 0.02 | 1.5 | 2 |
| 18413+3018 | STF2367AB | 2015.508 | 1 | 0.430 | 0.029 | 73.1* | 1.7 | | | Pbx2000b | 0.01 | 0.0 | 2 |
| 18421+3445 | B2546Aa,Ab | 2015.612 | 1 | 0.148 | 0.035 | 14.0 | 3.3 | | | USN2002 | 0.04 | -9.6 | 4 |
| 18432+2433 | A252 | 2015.680 | 1 | 1.603 | 0.008 | 288.0* | 0.3 | | | | | | |
| 18432+2433 | A252 | 2015.680 | 1 | 1.625 | 0.036 | 288.1* | 0.5 | | | | | | |
| 18437+3141 | A253 | 2015.680 | 1 | 0.708 | 0.007 | 132.8* | 0.4 | 2.38 | | Baz1987d | 0.09 | -3.1 | 4 |
| 18437+3141 | A253 | 2015.680 | 1 | 0.735 | 0.016 | 132.3* | 0.3 | | | Baz1987d | 0.11 | -3.6 | 4 |
| 18443+3940 | STF2382AB | 2015.541 | 1 | 2.280 | 0.011 | 346.3 | 0.3 | | | Doc2020e | 0.02 | 0.6 | 4 |
| 18443+3940 | STF2382AB | 2015.541 | 1 | 2.281 | 0.011 | 346.3 | 0.3 | | | Doc2020e | 0.02 | 0.6 | 4 |
| 18443+3940 | STF2382AB | 2015.683 | 1 | 2.312 | 0.012 | 346.4* | 0.3 | | | Doc2020e | 0.05 | 0.7 | 4 |
| 18443+3940 | STF2382AB | 2015.683 | 1 | 2.306 | 0.012 | 346.4* | 0.3 | | | Doc2020e | 0.05 | 0.7 | 4 |
| 18450+4051 | COU1792 | 2015.514 | 1 | 1.061 | 0.017 | 346.2* | 0.6 | 3.71 | | | | | |
| 18450+4051 | COU1792 | 2015.514 | 1 | 1.066 | 0.007 | 346.0* | 0.4 | | | | | | |
| 18452+3914 | STF2392AB | 2015.647 | 1 | 3.024 | 0.015 | 315.2* | 0.3 | | | | | | |
| 18452+3914 | STF2392AB | 2015.647 | 1 | 3.029 | 0.015 | 314.9 | 0.3 | | | | | | |
| 18453+3856 | COU1608 | 2015.519 | 1 | 1.056 | 0.007 | 228.0* | 0.4 | | | | | | |
| 18453+3856 | COU1608 | 2015.519 | 1 | 1.042 | 0.020 | 227.4* | 1.7 | | | | | | |
| 18462+3328 | COU1152 | 2015.508 | 1 | 1.700 | 0.015 | 258.5* | 1.5 | | | | | | |
| 18462+3328 | COU1152 | 2015.508 | 1 | 1.697 | 0.008 | 258.6* | 0.7 | | | | | | |
| 18529+3614 | A1383 | 2015.508 | 1 | 1.407 | 0.013 | 299.1* | 0.3 | | | | | | |
| 18529+3614 | A1383 | 2015.508 | 1 | 1.401 | 0.030 | 298.9* | 0.3 | | | | | | |
| 18529+4121 | KOI284 | 2015.508 | 1 | 0.848 | 0.019 | 97.5* | 1.3 | 0.26 | | | | | |
| 18529+4121 | KOI284 | 2015.508 | 1 | 0.863 | 0.018 | 96.8* | 1.3 | | | | | | |
| 18533+3302 | POP192 | 2015.519 | 1 | 2.517 | 0.013 | 41.5 | 0.3 | 3.01 | | | | | |
| 18533+4545 | COU1931 | 2015.683 | 1 | — | — | — | — | | NR | | | | |
| 18536+3752 | ES2027 | 2015.585 | 1 | 4.048 | 0.020 | 136.6* | 0.3 | | | | | | |
| 18536+3752 | ES2027 | 2015.585 | 1 | 4.081 | 0.024 | 136.8* | 0.3 | | | | | | |
| 18536+4028 | TDT1116 | 2015.637 | 1 | 0.666 | 0.013 | 333.8 | 1.2 | | | | | | |
| 18536+4028 | TDT1116 | 2015.637 | 1 | 0.661 | 0.007 | 335.0* | 0.3 | 1.82 | | | | | |
| 18540+3723 | BU137AB | 2015.585 | 1 | 1.574 | 0.008 | 164.2* | 0.3 | | | Izm2019 | 0.03 | 0.1 | 4 |
| 18540+3723 | BU137AB | 2015.585 | 1 | 1.575 | 0.018 | 164.4* | 0.3 | 1.77 | | Izm2019 | 0.03 | 0.1 | 4 |
| 18542+3214 | HU1294 | 2015.683 | 1 | 1.619 | 0.010 | 118.7* | 0.3 | | | | | | |
| 18542+3214 | HU1294 | 2015.683 | 1 | 1.621 | 0.012 | 119.1* | 0.3 | | | | | | |
| 18551+4051 | HEI73 | 2015.656 | 1 | 0.703 | 0.012 | 320.4* | 0.9 | | | | | | |
| 18551+4051 | HEI73 | 2015.656 | 1 | 0.722 | 0.007 | 321.2* | 0.3 | | | | | | |
| 18555+3215 | COU1013 | 2015.680 | 1 | 0.632 | 0.013 | 326.6* | 1.0 | | | | | | |
| 18555+3215 | COU1013 | 2015.680 | 1 | 0.635 | 0.010 | 326.4* | 0.3 | 0.06 | | | | | |
| 18555+4713 | COU2121 | 2015.661 | 1 | 1.188 | 0.026 | 334.8* | 0.8 | | | | | | |
| 18555+4713 | COU2121 | 2015.661 | 1 | 1.200 | 0.007 | 334.9* | 0.3 | | | | | | |
| 18565+1555 | J1278AB | 2015.519 | 1 | 2.148 | 0.011 | 95.5 | 0.3 | 2.45 | | | | | |
| 18570+3254 | BU648AJ | 2015.683 | 1 | 4.327 | 0.022 | 104.5 | 0.5 | | | NDp | | | |
| 18570+3254 | BU648AJ | 2015.683 | 1 | 4.294 | 0.021 | 104.8 | 0.3 | | | NDp | | | |
| 18570+3254 | BU648AI | 2015.683 | 1 | 3.256 | 0.016 | 89.0 | 0.4 | | | NDp | | | |
| 18570+3254 | BU648AI | 2015.683 | 1 | 3.249 | 0.016 | 88.5 | 0.5 | | | NDp | | | |
| 18570+3254 | BU648AH | 2015.683 | 1 | 2.189 | 0.011 | 104.3 | 0.3 | | | NDp | | | |
| 18570+3254 | BU648AH | 2015.683 | 1 | 2.187 | 0.011 | 104.2 | 0.3 | | | NDp | | | |
| 18570+3254 | BU648AG | 2015.683 | 1 | 2.059 | 0.015 | 117.1 | 0.4 | | | NDp | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 18570+3254 | BU648AG | 2015.683 | 1 | 2.082 | 0.022 | 116.8 | 0.9 | | NDp | | | | |
| 18570+3254 | BU648AB | 2015.683 | 1 | 1.283 | 0.025 | 241.2 | 2.0 | | | Izm2019 | 0.00 | -0.7 | 2 |
| 18570+3254 | BU648AB | 2015.683 | 1 | 1.284 | 0.013 | 241.4 | 0.7 | | | Izm2019 | 0.00 | -0.7 | 2 |
| 18570+3254 | BU648AB | 2015.683 | 1 | 1.283 | 0.007 | 241.4 | 0.3 | | | Izm2019 | 0.00 | -0.7 | 2 |
| 18571+2606 | STF2422 | 2015.514 | 1 | 0.770 | 0.013 | 68.9* | 0.9 | | | | | | |
| 18571+2606 | STF2422 | 2015.514 | 1 | 0.792 | 0.015 | 68.3* | 0.8 | | | | | | |
| 18572+3845 | COU1611 | 2015.637 | 1 | 0.638 | 0.011 | 109.2 | 0.3 | | | | | | |
| 18572+3845 | COU1611 | 2015.637 | 1 | 0.638 | 0.015 | 109.3 | 0.3 | | | | | | |
| 18572+3845 | COU1611 | 2015.637 | 1 | 0.654 | 0.007 | 109.4* | 0.3 | 1.20 | | | | | |
| 18575+3454 | POP29 | 2015.514 | 1 | 2.608 | 0.030 | 169.5* | 0.5 | | | | | | |
| 18575+3454 | POP29 | 2015.514 | 1 | 2.613 | 0.032 | 169.3* | 0.5 | 0.73 | | | | | |
| 18581+2605 | TDT1151 | 2015.661 | 1 | — | — | — | — | | NR | | | | |
| 18581+4711 | AG366 | 2015.566 | 1 | 1.404 | 0.017 | 186.1* | 0.3 | 1.27 | | WSI2021 | -0.01 | -1.1 | 5 |
| 18581+4711 | AG366 | 2015.566 | 1 | 1.407 | 0.007 | 186.5* | 0.3 | 1.27 | | WSI2021 | -0.01 | -0.7 | 5 |
| 18582+4858 | KOI258AB | 2015.656 | 1 | 1.003 | 0.010 | 71.9* | 0.5 | | | | | | |
| 18582+4858 | KOI258AB | 2015.656 | 1 | 1.013 | 0.008 | 73.2* | 1.4 | | | | | | |
| 18582+4858 | KOI258Aa,Ab | 2015.656 | 1 | 0.408 | 0.007 | 77.3 | 0.3 | 1.53 | | | | | |
| 18589+3229 | BU649 | 2015.585 | 1 | 1.813 | 0.009 | 0.4* | 0.3 | | | | | | |
| 18589+3229 | BU649 | 2015.585 | 1 | 1.811 | 0.009 | 0.1* | 0.4 | | | | | | |
| 18594+2936 | STF2430 | 2015.585 | 1 | 1.531 | 0.015 | 188.1* | 0.4 | 0.68 | | | | | |
| 18594+2936 | STF2430 | 2015.585 | 1 | 1.528 | 0.010 | 187.7* | 0.4 | | | | | | |
| 18597+2949 | COU1019AB | 2015.637 | 1 | 0.350 | 0.037 | 349.6 | 0.5 | | | | | | |
| 18597+2949 | COU1019AB | 2015.637 | 2 | 0.299 | 0.028 | 349.1* | 1.4 | | | | | | |
| 19024+4230 | ES1430 | 2015.656 | 1 | 1.589 | 0.015 | 110.6* | 0.5 | | | | | | |
| 19024+4230 | ES1430 | 2015.656 | 1 | 1.610 | 0.034 | 110.3* | 0.4 | | | | | | |
| 19030+4233 | A589 | 2015.566 | 1 | 0.698 | 0.007 | 4.8* | 0.3 | | | | | | |
| 19030+4233 | A589 | 2015.566 | 1 | 0.704 | 0.008 | 4.5 | 1.7 | | | | | | |
| 19034+2511 | A2991 | 2015.508 | 1 | 0.712 | 0.031 | 82.4* | 1.7 | | | | | | |
| 19034+2511 | A2991 | 2015.508 | 1 | 0.716 | 0.013 | 81.3* | 1.3 | | | | | | |
| 19042+3859 | COU1935 | 2015.647 | 1 | 1.141 | 0.007 | 41.1 | 0.3 | | | | | | |
| 19042+3859 | COU1935 | 2015.647 | 1 | 1.142 | 0.007 | 41.9 | 0.3 | | | | | | |
| 19042+3859 | COU1935 | 2015.648 | 1 | 1.142 | 0.007 | 41.6* | 0.3 | 2.23 | | | | | |
| 19043+4353 | DA9 | 2015.730 | 1 | 2.060 | 0.010 | 171.7 | 0.4 | | | | | | |
| 19043+4353 | DA9 | 2015.730 | 1 | 2.062 | 0.010 | 171.3 | 0.3 | | | | | | |
| 19061+3549 | COU1614 | 2015.680 | 1 | 0.570 | 0.012 | 120.4* | 0.8 | 2.54 | | | | | |
| 19061+3549 | COU1614 | 2015.680 | 1 | 0.574 | 0.012 | 120.0* | 1.3 | | | | | | |
| 19062+3026 | STF2454AB | 2015.585 | 1 | 1.315 | 0.015 | 290.1* | 1.2 | | | Msn2014b | -0.05 | 0.1 | 4 |
| 19062+3026 | STF2454AB | 2015.585 | 1 | 1.311 | 0.008 | 291.2* | 0.3 | | | Msn2014b | -0.05 | 1.2 | 4 |
| 19064+3144 | HO97AB | 2015.566 | 1 | 0.735 | 0.010 | 195.2* | 0.6 | | | | | | |
| 19064+3144 | HO97AB | 2015.566 | 1 | 0.751 | 0.009 | 195.9* | 0.9 | 0.41 | | | | | |
| 19064+3750 | J767AB | 2015.648 | 1 | 2.881 | 0.022 | 2.1 | 0.6 | | | | | | |
| 19064+3750 | J767AB | 2015.648 | 1 | 2.872 | 0.014 | 2.2* | 0.3 | 2.41 | | | | | |
| 19064+3750 | J767AB | 2015.648 | 1 | 2.884 | 0.024 | 2.3 | 0.3 | | | | | | |
| 19064+3750 | J767AB | 2015.648 | 1 | 2.875 | 0.017 | 2.2 | 0.3 | | | | | | |
| 19068+1854 | J1142 | 2015.637 | 1 | 1.269 | 0.013 | 284.8 | 0.8 | | | | | | |
| 19068+1854 | J1142 | 2015.637 | 1 | 1.272 | 0.007 | 285.1* | 0.3 | 0.41 | | | | | |
| 19073+2432 | A262 | 2015.566 | 1 | 0.158 | 0.037 | 92.6* | 0.7 | | | Zir2012b | -0.04 | 0.5 | 4 |
| 19073+2432 | A262 | 2015.566 | 1 | 0.199 | 0.008 | 91.8* | 0.6 | | | Zir2012b | -0.00 | -0.3 | 4 |
| 19078+3856 | STF2469AB | 2015.637 | 1 | 1.196 | 0.017 | 126.5 | 0.6 | | | | | | |
| 19078+3856 | STF2469AB | 2015.637 | 1 | 1.224 | 0.011 | 126.0 | 1.1 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 19081+3031 | HO99 | 2015.585 | 1 | 0.360 | 0.007 | 164.8* | 0.6 | 1.00 | | | | | |
| 19083+2706 | HO98Aa,Ab | 2015.566 | 1 | 0.217 | 0.009 | 66.3* | 2.1 | | NDg | | | | |
| 19083+2706 | HO98AB | 2015.541 | 1 | 0.182 | 0.014 | 67.9* | 3.3 | | | Lin2012a | -0.00 | 10.3 | 4 |
| 19088+3419 | POP30 | 2015.683 | 1 | 2.295 | 0.024 | 315.7* | 0.4 | | | | | | |
| 19088+3419 | POP30 | 2015.683 | 1 | 2.294 | 0.032 | 315.5* | 0.3 | 0.83 | | | | | |
| 19088+4004 | ES1658 | 2015.566 | 1 | 1.348 | 0.023 | 106.0* | 0.3 | 0.57 | | | | | |
| 19088+4004 | ES1658 | 2015.566 | 1 | 1.339 | 0.019 | 105.9* | 0.4 | | | | | | |
| 19101+3252 | COU1313AC | 2015.612 | 1 | 4.136 | 0.021 | 89.2* | 0.3 | 5.09 | LY | | | | |
| 19101+3252 | COU1313AB | 2015.612 | 1 | 1.830 | 0.009 | 247.3* | 0.3 | 4.11 | LY | | | | |
| 19101+3252 | COU1313Aa,Ab | 2015.680 | 1 | 0.215 | 0.010 | 234.3* | 1.4 | | NDp | | | | |
| 19101+3252 | COU1313Aa,Ab | 2015.680 | 1 | 0.250 | 0.007 | 234.3 | 0.8 | | NDp | | | | |
| 19101+3252 | COU1313Aa,Ab | 2015.680 | 1 | 0.258 | 0.026 | 233.7* | 1.9 | | NDp | | | | |
| 19103+3044 | COU1020 | 2015.648 | 1 | 1.008 | 0.007 | 99.2* | 0.3 | 0.05 | | | | | |
| 19103+3044 | COU1020 | 2015.648 | 1 | 1.004 | 0.010 | 99.5 | 0.3 | | | | | | |
| 19104+2030 | A150 | 2015.683 | 1 | 0.425 | 0.010 | 121.1* | 0.7 | | | | | | |
| 19104+2030 | A150 | 2015.683 | 1 | 0.438 | 0.007 | 121.9* | 1.4 | | | | | | |
| 19113+3732 | COU1800 | 2015.585 | 1 | 1.340 | 0.007 | 44.1* | 0.4 | | | | | | |
| 19113+3732 | COU1800 | 2015.585 | 1 | 1.342 | 0.007 | 44.2* | 0.4 | | | | | | |
| 19120+3925 | YSC114 | 2015.585 | 1 | 0.641 | 0.007 | 313.0 | 0.5 | | | | | | |
| 19123+2113 | COU320 | 2015.637 | 1 | 0.232 | 0.014 | 116.2* | 1.6 | | | | | | |
| 19123+2113 | COU320 | 2015.637 | 1 | 0.170 | 0.052 | 116.4 | 2.8 | | | | | | |
| 19127+2435 | A264AB | 2015.566 | 1 | 3.627 | 0.019 | 291.6 | 0.3 | | | | | | |
| 19127+2435 | A264AB | 2015.566 | 1 | 3.603 | 0.030 | 291.3 | 0.3 | | | | | | |
| 19127+2435 | MAD7AC | 2015.585 | 1 | 3.561 | 0.018 | 290.9 | 0.3 | | | | | | |
| 19127+2435 | MAD7AC | 2015.585 | 1 | 3.569 | 0.018 | 290.8 | 0.6 | | | | | | |
| 19127+2435 | MAD7AH | 2015.566 | 1 | 3.599 | 0.027 | 284.3 | 0.5 | | NDp | | | | |
| 19127+2435 | MAD7AH | 2015.585 | 1 | 3.589 | 0.018 | 284.5 | 0.3 | | NDp | | | | |
| 19127+2435 | MAD7AH | 2015.585 | 1 | 3.575 | 0.018 | 284.4 | 0.3 | | NDp | | | | |
| 19127+2435 | MAD7AG | 2015.585 | 1 | 0.637 | 0.089 | 122.6 | 0.9 | | NDp | | | | |
| 19127+2435 | MAD7AG | 2015.585 | 1 | 0.720 | 0.082 | 120.5 | 0.4 | | NDp | | | | |
| 19127+2435 | MAD7AF | 2015.585 | 1 | 0.454 | 0.015 | 9.7 | 2.7 | | NDp | | | | |
| 19127+2435 | MAD7AF | 2015.585 | 1 | 0.490 | 0.018 | 10.3 | 2.5 | | NDp | | | | |
| 19127+2435 | HDS2720Aa,Ab | 2015.566 | 1 | 0.165 | 0.020 | 85.8 | 0.6 | | | | | | |
| 19127+2435 | HDS2720Aa,Ab | 2015.585 | 1 | 0.161 | 0.017 | 89.6 | 1.5 | | | | | | |
| 19127+2435 | HDS2720Aa,Ab | 2015.585 | 1 | 0.165 | 0.010 | 91.4 | 2.6 | | | | | | |
| 19134+4443 | A705BC | 2015.683 | 1 | 0.518 | 0.007 | 63.9* | 1.3 | | | | | | |
| 19134+4443 | A705BC | 2015.683 | 1 | 0.546 | 0.013 | 63.3* | 1.7 | 0.24 | | | | | |
| 19136+2012 | HU335 | 2015.612 | 1 | 0.503 | 0.027 | 245.6* | 2.4 | | | | | | |
| 19136+2012 | HU335 | 2015.730 | 1 | 0.523 | 0.028 | 243.4* | 2.2 | | | | | | |
| 19136+2012 | HU335 | 2015.730 | 1 | 0.520 | 0.028 | 243.6* | 2.8 | | | | | | |
| 19140+4005 | COU2199 | 2015.680 | 1 | 0.919 | 0.013 | 351.3* | 0.3 | 0.24 | | | | | |
| 19140+4005 | COU2199 | 2015.680 | 1 | 0.928 | 0.010 | 351.6* | 1.0 | | | | | | |
| 19145+3434 | BU975BC | 2015.612 | 1 | 1.019 | 0.009 | 261.6* | 0.3 | | | | | | |
| 19145+3434 | BU975BC | 2015.612 | 1 | 0.990 | 0.010 | 261.1* | 0.6 | | | | | | |
| 19162+2757 | HO447 | 2015.730 | 1 | 2.393 | 0.012 | 170.6* | 0.4 | 0.34 | | Izm2019 | 0.03 | -0.8 | 5 |
| 19162+2757 | HO447 | 2015.730 | 1 | 2.401 | 0.028 | 170.4* | 0.3 | | | Izm2019 | 0.03 | -1.0 | 5 |
| 19163+3723 | A157 | 2015.585 | 1 | 1.436 | 0.010 | 148.1* | 0.3 | 2.92 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|-------|--------------------------------------|--|-------|
| 19163+3723 | A157 | 2015.585 | 1 | 1.441 | 0.007 | 148.4* | 0.5 | | | | | | |
| 19174+3159 | COU1158 | 2015.637 | 1 | 1.408 | 0.007 | 70.8* | 0.3 | | | | | | |
| 19174+3159 | COU1158 | 2015.637 | 1 | 1.410 | 0.008 | 70.0 | 0.3 | | | | | | |
| 19182+3910 | SEI588 | 2015.680 | 1 | 2.201 | 0.018 | 78.2* | 0.5 | 1.17 | | | | | |
| 19182+3910 | SEI588 | 2015.680 | 1 | 2.193 | 0.011 | 78.2* | 0.4 | | | | | | |
| 19187+4718 | COU2522 | 2015.637 | 1 | 1.324 | 0.007 | 101.8* | 0.3 | 1.57 | | | | | |
| 19187+4718 | COU2522 | 2015.637 | 1 | 1.307 | 0.018 | 102.2 | 0.7 | | | | | | |
| 19189+3336 | HU1299 | 2015.585 | 1 | 0.139 | 0.086 | 325.9* | 8.0 | | | | | | |
| 19189+3336 | HU1299 | 2015.585 | 1 | 0.239 | 0.051 | 332.0* | 6.3 | | | | | | |
| 19202+3411 | HU1300 | 2015.683 | 1 | 0.710 | 0.015 | 183.1* | 1.3 | | | | | | |
| 19202+3411 | HU1300 | 2015.683 | 1 | 0.706 | 0.007 | 182.9* | 0.4 | | | | | | |
| 19208+1717 | COU422 | 2015.683 | 1 | 0.990 | 0.007 | 218.8* | 0.5 | | | | | | |
| 19208+1717 | COU422 | 2015.683 | 1 | 0.991 | 0.007 | 218.8* | 0.5 | | | | | | |
| 19215+3634 | ES2177AB | 2015.648 | 1 | 2.189 | 0.031 | 182.0* | 0.3 | 2.76 | | | | | |
| 19215+3634 | ES2177AB | 2015.648 | 1 | 2.172 | 0.031 | 182.8 | 0.7 | | | | | | |
| 19223+3758 | COU1937 | 2015.656 | 2 | 0.326 | 0.007 | 246.1* | 0.3 | | | | | | |
| 19223+3758 | COU1937 | 2015.656 | 1 | 0.332 | 0.026 | 249.8 | 5.3 | | | | | | |
| 19230+3955 | HU1193 | 2015.680 | 1 | 0.935 | 0.008 | 62.1* | 0.8 | | | | | | |
| 19230+3955 | HU1193 | 2015.680 | 1 | 0.933 | 0.007 | 62.8 | 0.7 | 2.36 | | | | | |
| 19234+4738 | ES1163AB | 2015.648 | 1 | 2.000 | 0.010 | 122.0* | 0.3 | 2.88 | | | | | |
| 19234+4738 | ES1163AB | 2015.648 | 1 | 2.003 | 0.010 | 122.7 | 0.6 | | | | | | |
| 19237+2822 | COU1024 | 2015.637 | 1 | 0.473 | 0.009 | 243.2* | 0.7 | | | | | | |
| 19237+2822 | COU1024 | 2015.637 | 1 | 0.475 | 0.007 | 242.4 | 1.2 | | | | | | |
| 19241+4626 | STT373 | 2015.648 | 1 | 1.818 | 0.010 | 232.1 | 0.3 | | | | | | |
| 19241+4626 | STT373 | 2015.648 | 1 | 1.810 | 0.009 | 232.1* | 0.3 | | | | | | |
| 19251+2213 | COU513 | 2015.585 | 1 | 0.223 | 0.065 | 2.0* | 2.7 | | | | | | |
| 19251+2213 | COU513 | 2015.585 | 1 | 0.258 | 0.055 | 2.7* | 2.3 | | | | | | |
| 19255+3515 | COU1619 | 2015.680 | 1 | 1.127 | 0.013 | 177.9* | 0.9 | | | | | | |
| 19255+3515 | COU1619 | 2015.680 | 1 | 1.132 | 0.009 | 177.9* | 0.3 | 0.18 | | | | | |
| 19255+4413 | ES1433 | 2015.680 | 1 | 1.544 | 0.011 | 201.0* | 0.5 | | | | | | |
| 19255+4413 | ES1433 | 2015.680 | 1 | 1.556 | 0.016 | 201.0* | 0.4 | | | | | | |
| 19256+3655 | ES2178 | 2015.656 | 1 | 2.913 | 0.015 | 132.6* | 0.3 | | | | | | |
| 19256+3655 | ES2178 | 2015.656 | 1 | 2.918 | 0.040 | 132.5* | 0.3 | 1.41 | | | | | |
| 19259+1551 | J823 | 2015.612 | 1 | 2.829 | 0.014 | 72.0* | 0.3 | | | | | | |
| 19259+1551 | J823 | 2015.612 | 1 | 2.814 | 0.019 | 71.9* | 0.3 | 3.02 | | | | | |
| 19262+3542 | COU1620 | 2015.612 | 1 | 1.399 | 0.009 | 295.9* | 0.4 | | | | | | |
| 19262+3542 | COU1620 | 2015.612 | 1 | 1.405 | 0.007 | 295.6* | 0.3 | | | | | | |
| 19264+3305 | COU1317 | 2015.585 | 1 | 0.458 | 0.015 | 292.5* | 0.6 | | | | | | |
| 19264+3305 | COU1317 | 2015.585 | 1 | 0.457 | 0.014 | 292.6* | 0.5 | | | | | | |
| 19269+2245 | CON37A,CD | 2015.663 | 2 | 10.263 | 0.053 | 160.0 | 0.3 | 2.93 | | | | | |
| 19269+2245 | CON37AB | 2015.663 | 2 | 1.539 | 0.015 | 325.2 | 0.3 | 0.99 | | | | | |
| 19269+2245 | CON37CD | 2015.656 | 2 | 0.356 | 0.007 | 112.9 | 0.3 | 0.22 | | | | | |
| 19270+1606 | A1648 | 2015.612 | 1 | 0.837 | 0.008 | 181.2* | 0.6 | | | | | | |
| 19270+1606 | A1648 | 2015.612 | 1 | 0.832 | 0.007 | 181.5* | 0.3 | 1.20 | | | | | |
| 19273+2040 | STF2527AC | 2015.648 | 1 | 4.274 | 0.021 | 16.5* | 0.3 | | | | | | |
| 19273+2040 | STF2527AC | 2015.648 | 1 | 4.284 | 0.021 | 16.1 | 0.3 | | | | | | |
| 19273+2040 | STF2527AC | 2015.648 | 1 | 4.276 | 0.021 | 16.5 | 0.3 | | | | | | |
| 19273+2040 | STF2527AD | 2015.648 | 1 | 3.686 | 0.018 | 24.9 | 0.3 | | NDp | | | | |
| 19273+2040 | STF2527AD | 2015.648 | 1 | 3.649 | 0.018 | 24.7 | 0.3 | | NDp | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 19273+2040 | A159AB | 2015.648 | 1 | 0.841 | 0.013 | 335.8 | 1.7 | | | | | | |
| 19273+2040 | A159AB | 2015.648 | 1 | 0.840 | 0.007 | 335.9* | 0.3 | | | | | | |
| 19276+2009 | COU514 | 2015.637 | 1 | 0.520 | 0.007 | 87.6* | 0.5 | 2.31 | | | | | |
| 19276+2009 | COU514 | 2015.637 | 1 | 0.506 | 0.015 | 85.8 | 1.8 | | | | | | |
| 19277+3627 | HU1302 | 2015.683 | 1 | 0.562 | 0.007 | 245.9* | 0.4 | 0.04 | | | | | |
| 19277+3627 | HU1302 | 2015.683 | 1 | 0.566 | 0.007 | 246.6* | 2.1 | | | | | | |
| 19279+3955 | COU2400 | 2015.648 | 1 | 0.776 | 0.011 | 249.6 | 0.3 | | | | | | |
| 19279+3955 | COU2400 | 2015.648 | 1 | 0.773 | 0.007 | 249.8* | 0.3 | 3.70 | | | | | |
| 19283+4811 | COU2629 | 2015.598 | 1 | 2.988 | 0.015 | 271.7* | 0.3 | | | | | | |
| 19283+4811 | COU2629 | 2015.598 | 1 | 3.002 | 0.015 | 271.5* | 0.3 | 2.59 | | | | | |
| 19286+3711 | HU1303AB | 2015.599 | 1 | 0.831 | 0.013 | 302.7* | 0.6 | 1.43 | | | | | |
| 19286+3711 | HU1303AB | 2015.599 | 1 | 0.806 | 0.012 | 304.5* | 0.3 | | | | | | |
| 19287+2657 | COU820BC | 2015.599 | 1 | 1.785 | 0.044 | 193.8* | 1.2 | 0.09 | | | | | |
| 19287+2657 | COU820BC | 2015.599 | 1 | 1.783 | 0.023 | 193.7* | 0.9 | | | | | | |
| 19290+1515 | A1651AC | 2015.730 | 1 | 1.116 | 0.009 | 286.2* | 0.9 | | NDg | | | | |
| 19290+1515 | A1651AB | 2015.222 | 1 | 0.222 | 0.047 | 251.3 | 1.4 | | | | | | |
| 19290+1515 | A1651AB | 2015.730 | 1 | 0.146 | 0.044 | 250.3 | 3.3 | | | | | | |
| 19290+1515 | A1651AB | 2015.730 | 1 | 0.118 | 0.007 | 253.1 | 0.7 | | | | | | |
| 19297+2238 | J1221 | 2015.637 | 1 | 2.923 | 0.016 | 205.4 | 0.3 | | | | | | |
| 19297+2238 | J1221 | 2015.637 | 1 | 2.921 | 0.015 | 205.0* | 0.3 | 3.05 | | | | | |
| 19300+2918 | COU1318 | 2015.585 | 1 | 0.399 | 0.019 | 200.6* | 1.6 | | | | | | |
| 19300+2918 | COU1318 | 2015.585 | 1 | 0.401 | 0.018 | 200.5* | 1.6 | | | | | | |
| 19303+4204 | COU2401 | 2015.730 | 1 | 0.976 | 0.013 | 193.5* | 0.3 | | | | | | |
| 19303+4204 | COU2401 | 2015.730 | 1 | 0.986 | 0.007 | 193.4* | 0.5 | 1.13 | | | | | |
| 19309+3815 | COU2203BC | 2015.680 | 1 | 1.024 | 0.009 | 299.6* | 0.3 | 0.60 | | | | | |
| 19309+3815 | COU2203BC | 2015.680 | 1 | 1.029 | 0.007 | 300.2* | 0.5 | | | | | | |
| 19313+4729 | A713 | 2015.680 | 1 | 0.196 | 0.038 | 317.9* | 1.0 | | | Zas2012c | 0.02 | 4.8 | 3 |
| 19316+2659 | HDS2774AD | 2015.683 | 1 | 2.187 | 0.020 | 104.2* | 0.4 | | NDp | | | | |
| 19316+2659 | HDS2774AD | 2015.683 | 1 | 2.180 | 0.011 | 103.8* | 0.3 | | NDp | | | | |
| 19316+2659 | HDS2774AC | 2015.683 | 1 | 2.097 | 0.027 | 115.9* | 0.6 | | NDp | | | | |
| 19316+2659 | HDS2774AC | 2015.683 | 1 | 2.021 | 0.018 | 116.2* | 0.4 | | NDp | | | | |
| 19316+2659 | HDS2774AB | 2015.683 | 1 | 0.475 | 0.009 | 118.6* | 1.0 | | | | | | |
| 19316+2659 | HDS2774AB | 2015.683 | 1 | 0.456 | 0.021 | 118.1* | 1.3 | | | | | | |
| 19320+3849 | A1397AB | 2015.730 | 1 | 1.996 | 0.010 | 278.0* | 0.3 | 0.99 | | | | | |
| 19320+3849 | A1397AB | 2015.730 | 1 | 1.979 | 0.010 | 277.7* | 0.3 | | | | | | |
| 19324+3539 | COU1940 | 2015.599 | 1 | 0.711 | 0.007 | 222.2* | 0.3 | | | | | | |
| 19324+3539 | COU1940 | 2015.599 | 1 | 0.705 | 0.007 | 222.6* | 0.7 | 0.77 | | | | | |
| 19326+4603 | A714AB | 2015.730 | 1 | 1.538 | 0.008 | 0.1* | 0.3 | 1.67 | | | | | |
| 19326+4603 | A714AB | 2015.730 | 1 | 1.526 | 0.013 | 359.2* | 0.6 | | | | | | |
| 19332+3614 | J1207 | 2015.648 | 1 | 1.120 | 0.013 | 73.1 | 0.3 | | | | | | |
| 19332+3614 | J1207 | 2015.648 | 1 | 1.117 | 0.007 | 72.8* | 0.3 | 2.45 | | | | | |
| 19334+4111 | COU2404AB | 2015.541 | 1 | 1.369 | 0.015 | 155.8* | 0.4 | 0.25 | | | | | |
| 19334+4111 | COU2404AB | 2015.541 | 1 | 1.370 | 0.019 | 155.3* | 1.1 | | | | | | |
| 19338+2538 | COU1030 | 2015.599 | 1 | 2.098 | 0.024 | 273.9* | 0.5 | | | | | | |
| 19338+2538 | COU1030 | 2015.599 | 1 | 2.091 | 0.012 | 273.4* | 0.3 | | | | | | |
| 19350+4415 | BRT2241 | 2015.612 | 1 | 1.661 | 0.008 | 49.8* | 0.5 | 0.36 | | | | | |
| 19350+4415 | BRT2241 | 2015.612 | 1 | 1.647 | 0.012 | 50.1* | 0.5 | | | | | | |
| 19355+2049 | COU517 | 2015.612 | 1 | 0.849 | 0.010 | 49.4* | 1.2 | | | | | | |
| 19355+2049 | COU517 | 2015.612 | 1 | 0.845 | 0.007 | 49.7* | 0.6 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 19363+4138 | J800 | 2015.730 | 1 | 1.696 | 0.015 | 179.2* | 0.8 | | | | | | |
| 19363+4138 | J800 | 2015.730 | 1 | 1.706 | 0.021 | 179.5* | 0.3 | | | | | | |
| 19364+3432 | POP96 | 2015.680 | 1 | 1.243 | 0.015 | 113.2* | 0.7 | | | | | | |
| 19364+3432 | POP96 | 2015.680 | 1 | 1.219 | 0.020 | 112.6* | 0.8 | 0.07 | | | | | |
| 19365+4101 | STT378AB | 2015.672 | 1 | 1.413 | 0.007 | 286.1 | 0.4 | | | | | | |
| 19365+4101 | STT378AB | 2015.672 | 1 | 1.415 | 0.007 | 286.1 | 0.3 | | | | | | |
| 19375+3413 | COU1802 | 2015.585 | 1 | 2.114 | 0.015 | 297.4* | 0.3 | | | | | | |
| 19375+3413 | COU1802 | 2015.585 | 1 | 2.102 | 0.022 | 297.6* | 0.5 | | | | | | |
| 19386+3730 | COU2207 | 2015.637 | 2 | 0.228 | 0.050 | 275.5* | 0.6 | | | | | | |
| 19386+3730 | COU2207 | 2015.637 | 1 | 0.149 | 0.063 | 277.9 | 1.4 | | | | | | |
| 19388+1834 | COU212AB | 2015.683 | 1 | 0.838 | 0.013 | 207.6* | 0.8 | | | | | | |
| 19388+1834 | COU212AB | 2015.683 | 1 | 0.838 | 0.007 | 207.4* | 0.9 | | | | | | |
| 19389+3514 | HU953 | 2015.680 | 1 | 0.338 | 0.007 | 52.0* | 1.0 | 0.86 | | Lin2017c | -0.03 | 0.5 | 4 |
| 19396+2945 | STF2557Aa,Ab | 2015.108 | 1 | 0.565 | 0.011 | 333.9 | 0.6 | | NDp | | | | |
| 19396+2945 | STF2557Aa,Ab | 2015.108 | 1 | 0.579 | 0.009 | 334.4* | 0.3 | | NDp | | | | |
| 19397+3359 | HO111AB | 2015.599 | 1 | 1.317 | 0.025 | 18.2* | 0.4 | | | | | | |
| 19397+3359 | HO111AB | 2015.599 | 1 | 1.316 | 0.008 | 18.5* | 0.5 | | | | | | |
| 19400+2712 | COU822 | 2015.612 | 1 | 0.219 | 0.043 | 137.9 | 6.6 | | | | | | |
| 19400+2712 | COU822 | 2015.612 | 1 | 0.332 | 0.050 | 137.7* | 1.0 | | | | | | |
| 19402+2331 | A166 | 2015.599 | 1 | 0.832 | 0.010 | 242.3* | 0.9 | 0.76 | | | | | |
| 19402+2331 | A166 | 2015.599 | 1 | 0.785 | 0.036 | 243.1* | 2.4 | | | | | | |
| 19403+2250 | A2788 | 2015.637 | 1 | 1.281 | 0.007 | 329.0 | 0.4 | | | | | | |
| 19403+2250 | A2788 | 2015.637 | 1 | 1.279 | 0.007 | 329.0* | 0.3 | 3.71 | | | | | |
| 19404+3121 | COU1163Aa,Ab | 2015.730 | 1 | 0.179 | 0.021 | 188.2* | 2.2 | | | | | | |
| 19404+3441 | ES2242 | 2015.730 | 1 | 1.983 | 0.010 | 353.9* | 0.3 | | | | | | |
| 19404+3441 | ES2242 | 2015.730 | 1 | 1.984 | 0.012 | 353.6* | 0.3 | | | | | | |
| 19411+2341 | POU4011 | 2015.612 | 1 | 3.055 | 0.015 | 89.0* | 0.3 | | | | | | |
| 19411+2341 | POU4011 | 2015.612 | 1 | 3.063 | 0.015 | 89.5* | 0.3 | 0.66 | | | | | |
| 19419+2723 | STT382 | 2015.765 | 1 | 0.289 | 0.007 | 321.4* | 1.0 | | | | | | |
| 19419+2723 | STT382 | 2015.765 | 1 | 0.303 | 0.010 | 319.9* | 0.9 | | | | | | |
| 19420+4015 | KUI94 | 2015.680 | 1 | 0.482 | 0.007 | 158.8* | 0.8 | 2.65 | | Sod1999 | 0.02 | 1.1 | 3 |
| 19420+4015 | KUI94 | 2015.680 | 1 | 0.490 | 0.007 | 157.2* | 2.1 | | | Sod1999 | 0.03 | -0.5 | 3 |
| 19425+3337 | J777AC | 2015.648 | 1 | 3.139 | 0.016 | 181.0 | 0.3 | | NDg | | | | |
| 19425+3337 | J777AC | 2015.648 | 1 | 3.134 | 0.016 | 181.1 | 0.3 | | NDg | | | | |
| 19425+3337 | J777AC | 2015.648 | 1 | 3.123 | 0.016 | 180.9* | 0.3 | 2.44 | NDg | | | | |
| 19425+3337 | J777AC | 2015.648 | 1 | 3.123 | 0.021 | 181.2 | 0.3 | | NDg | | | | |
| 19429+4043 | STT383AB | 2015.765 | 1 | 0.821 | 0.007 | 15.3* | 0.3 | | | PkO2018b | 0.03 | 0.4 | 4 |
| 19429+4043 | STT383AB | 2015.765 | 1 | 0.810 | 0.008 | 15.3* | 0.3 | | | PkO2018b | 0.02 | 0.4 | 4 |
| 19435+2750 | J1034 | 2015.648 | 1 | 3.243 | 0.016 | 85.4 | 0.3 | | | | | | |
| 19435+2750 | J1034 | 2015.648 | 1 | 3.246 | 0.016 | 85.2 | 0.5 | | | | | | |
| 19457+4330 | A600 | 2015.680 | 1 | 0.340 | 0.013 | 61.5* | 0.9 | 0.67 | | | | | |
| 19457+4330 | A600 | 2015.680 | 1 | 0.363 | 0.018 | 63.6* | 1.6 | | | | | | |
| 19458+2710 | KUI95AB | 2015.599 | 1 | 2.249 | 0.011 | 59.8* | 0.3 | 0.51 | | Sod1999 | -0.24 | 3.8 | 5 |
| 19458+2710 | KUI95AB | 2015.599 | 1 | 2.249 | 0.016 | 60.3 | 0.3 | | | Sod1999 | -0.24 | 4.3 | 5 |
| 19458+2710 | KUI95AB | 2015.680 | 1 | 2.269 | 0.022 | 59.5* | 0.4 | 0.77 | | Sod1999 | -0.22 | 3.5 | 5 |
| 19458+2710 | KUI95AB | 2015.680 | 1 | 2.268 | 0.018 | 60.2 | 0.3 | | | Sod1999 | -0.22 | 4.2 | 5 |
| 19466+3253 | COU1804DE | 2015.599 | 1 | 2.482 | 0.012 | 208.6* | 0.3 | 1.35 | | | | | |
| 19466+3253 | COU1804DE | 2015.599 | 1 | 2.490 | 0.012 | 208.5* | 0.3 | | | | | | |
| 19490+1909 | AGC11AE | 2015.612 | 1 | 0.746 | 0.009 | 131.0* | 0.5 | | NDp | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|---------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 19490+1909 | AGC11AB | 2015.612 | 1 | 0.213 | 0.037 | 156.1 | 4.1 | | | Mut2010b | -0.03 | -6.3 | 1 |
| 19490+1909 | AGC11AB | 2015.612 | 1 | 0.156 | 0.058 | 158.2 | 6.8 | | | Mut2010b | -0.09 | -4.2 | 1 |
| 19503+3127 | COU1468 | 2015.773 | 1 | 0.760 | 0.014 | 148.2* | 0.6 | | | | | | |
| 19503+3127 | COU1468 | 2015.773 | 1 | 0.761 | 0.007 | 148.2* | 0.5 | 1.10 | | | | | |
| 19519+1723 | J829 | 2015.656 | 1 | 2.666 | 0.024 | 276.8* | 0.5 | 1.35 | | | | | |
| 19519+1723 | J829 | 2015.656 | 1 | 2.663 | 0.024 | 276.9* | 0.3 | | | | | | |
| 19519+4121 | HDS2831 | 2015.683 | 1 | — | — | — | — | | | NR | | | |
| 19521+2316 | BU979 | 2015.661 | 1 | 2.706 | 0.023 | 324.5* | 0.3 | | | | | | |
| 19521+2316 | BU979 | 2015.661 | 1 | 2.681 | 0.015 | 324.6* | 0.3 | | | | | | |
| 19521+2923 | MLB658 | 2015.612 | 1 | 2.353 | 0.015 | 113.9* | 0.5 | 0.94 | | | | | |
| 19521+2923 | MLB658 | 2015.612 | 1 | 2.362 | 0.012 | 114.1* | 0.3 | | | | | | |
| 19522+1722 | J3023 | 2015.121 | 1 | 5.513 | 0.028 | 109.8 | 0.3 | 3.56 | LY | | | | |
| 19539+1958 | J498 | 2015.730 | 1 | 2.244 | 0.011 | 88.6* | 0.3 | | | | | | |
| 19539+1958 | J498 | 2015.730 | 1 | 2.251 | 0.011 | 88.3* | 0.3 | | | | | | |
| 19539+3257 | COU1626 | 2015.599 | 1 | 0.128 | 0.065 | 123.6 | 7.0 | | | | | | |
| 19539+3257 | COU1626 | 2015.599 | 1 | 0.182 | 0.057 | 127.9 | 6.9 | | | | | | |
| 19540+1518 | STF2596 | 2015.784 | 1 | 2.096 | 0.010 | 298.0* | 0.3 | | | | | | |
| 19540+1518 | STF2596 | 2015.784 | 1 | 2.084 | 0.010 | 298.1* | 0.3 | | | | | | |
| 19551+3551 | COU1945 | 2015.683 | 1 | 0.660 | 0.013 | 115.6* | 0.3 | | | | | | |
| 19551+3551 | COU1945 | 2015.683 | 1 | 0.648 | 0.015 | 117.0* | 0.7 | 0.80 | | | | | |
| 19551+3611 | COU1946 | 2015.773 | 1 | 0.965 | 0.007 | 171.5* | 0.3 | | | | | | |
| 19551+3611 | COU1946 | 2015.773 | 1 | 0.980 | 0.024 | 171.6* | 0.3 | | | | | | |
| 19558+3604 | HU1306 | 2015.648 | 1 | 0.604 | 0.037 | 214.9 | 2.2 | | | | | | |
| 19558+3604 | HU1306 | 2015.648 | 1 | 0.596 | 0.007 | 214.9* | 0.3 | 1.20 | | | | | |
| 19559+2950 | BRT45 | 2015.661 | 1 | 3.074 | 0.029 | 118.1* | 0.3 | | | | | | |
| 19559+2950 | BRT45 | 2015.661 | 1 | 3.084 | 0.030 | 118.2* | 0.3 | 1.06 | | | | | |
| 19561+1808 | J499 | 2015.680 | 1 | 2.016 | 0.015 | 212.5* | 0.7 | | | | | | |
| 19561+1808 | J499 | 2015.680 | 1 | 1.996 | 0.013 | 212.7* | 0.6 | 1.25 | | | | | |
| 19569+3706 | COU2409 | 2015.730 | 1 | 1.215 | 0.007 | 320.2* | 0.3 | | | | | | |
| 19569+3706 | COU2409 | 2015.730 | 1 | 1.212 | 0.007 | 319.9* | 0.3 | 0.46 | | | | | |
| 19576+3914 | J1069 | 2015.648 | 1 | 2.385 | 0.025 | 66.3 | 0.5 | | | | | | |
| 19576+3914 | J1069 | 2015.648 | 1 | 2.376 | 0.012 | 66.8* | 0.3 | 0.13 | | | | | |
| 19579+3353 | COU1805 | 2015.680 | 1 | 0.306 | 0.010 | 68.0* | 0.9 | 0.34 | | | | | |
| 19579+3353 | COU1805 | 2015.680 | 1 | 0.300 | 0.024 | 68.0* | 1.2 | | | | | | |
| 19580+0456 | A606 | 2015.891 | 1 | 0.579 | 0.018 | 163.7* | 0.8 | 0.34 | | Sca2018 | -0.04 | -0.9 | 3 |
| 19580+0456 | A606 | 2015.891 | 1 | 0.572 | 0.023 | 163.4* | 0.7 | | | | | | |
| 19583+3333 | HO582AB | 2015.648 | 1 | 0.584 | 0.007 | 314.2* | 0.3 | | | | | | |
| 19583+3333 | HO582AB | 2015.648 | 1 | 0.590 | 0.007 | 314.1 | 0.3 | | | | | | |
| 19585+3553 | ROE146 | 2015.661 | 1 | 1.496 | 0.011 | 45.9* | 0.4 | | | | | | |
| 19585+3553 | ROE146 | 2015.661 | 1 | 1.510 | 0.012 | 45.5* | 0.4 | | | | | | |
| 19592+3724 | COU2412 | 2015.730 | 1 | 0.432 | 0.007 | 256.1* | 0.9 | | | | | | |
| 19592+3724 | COU2412 | 2015.730 | 1 | 0.449 | 0.009 | 257.6* | 0.7 | 0.03 | | | | | |
| 19595+3548 | J1158 | 2015.730 | 1 | 1.465 | 0.016 | 164.0* | 0.4 | | | | | | |
| 19595+3548 | J1158 | 2015.730 | 1 | 1.477 | 0.012 | 164.2* | 0.3 | 3.19 | | | | | |
| 20035+3216 | COU1627 | 2015.599 | 1 | 1.238 | 0.007 | 48.2* | 0.3 | | | | | | |
| 20035+3216 | COU1627 | 2015.599 | 1 | 1.238 | 0.007 | 48.2* | 0.3 | | | | | | |
| 20035+3837 | COU2533 | 2015.637 | 1 | 0.957 | 0.016 | 101.3 | 0.6 | | | | | | |
| 20035+3837 | COU2533 | 2015.637 | 1 | 0.959 | 0.007 | 101.0* | 0.4 | 1.12 | | | | | |
| 20043+3033 | STF2626 | 2015.784 | 1 | 0.984 | 0.007 | 128.8* | 0.4 | 1.35 | | | | | |
| 20043+3033 | STF2626 | 2015.784 | 1 | 0.990 | 0.007 | 128.0* | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|---------|-------------------------------|-------------------------------------|-------|
| 20051+3814 | COU2213 | 2015.637 | 1 | 1.369 | 0.010 | 152.8 | 0.3 | | | | | | |
| 20051+3814 | COU2213 | 2015.637 | 1 | 1.364 | 0.007 | 152.8* | 0.3 | | | | | | |
| 20052+4044 | A381 | 2015.672 | 1 | 0.784 | 0.013 | 278.8* | 0.6 | | | | | | |
| 20052+4044 | A381 | 2015.672 | 1 | 0.786 | 0.009 | 277.9 | 0.7 | | | | | | |
| 20053+3307 | COU1806 | 2015.784 | 1 | 1.177 | 0.007 | 287.4* | 0.3 | | | | | | |
| 20053+3307 | COU1806 | 2015.784 | 1 | 1.178 | 0.007 | 287.3* | 0.4 | 0.29 | | | | | |
| 20056+3746 | A1414 | 2015.637 | 1 | 0.283 | 0.010 | 45.0 | 0.7 | | | | | | |
| 20056+3746 | A1414 | 2015.637 | 1 | 0.301 | 0.017 | 42.4 | 1.2 | | | | | | |
| 20057+2320 | BKO759AD | 2015.612 | 1 | 1.717 | 0.009 | 220.7* | 0.4 | | | | | | |
| 20057+2320 | BKO759AD | 2015.612 | 1 | 1.722 | 0.009 | 220.9* | 0.3 | 0.71 | | | | | |
| 20060+3821 | POP185EF | 2015.683 | 1 | 2.981 | 0.021 | 257.8* | 1.0 | | | | | | |
| 20060+3821 | POP185EF | 2015.683 | 1 | 2.996 | 0.041 | 257.8* | 0.9 | 0.17 | | | | | |
| 20079+1621 | HEI76AC | 2015.612 | 1 | 1.549 | 0.008 | 359.0* | 0.3 | | NDg | | | | |
| 20079+4600 | HDS2869 | 2015.661 | 1 | 2.920 | 0.018 | 4.5* | 0.4 | | | | | | |
| 20079+4600 | HDS2869 | 2015.661 | 1 | 2.926 | 0.021 | 4.5* | 0.4 | | | | | | |
| 20083+3714 | ES2185 | 2015.656 | 1 | 2.177 | 0.020 | 242.0* | 0.8 | 1.06 | | | | | |
| 20083+3714 | ES2185 | 2015.656 | 1 | 2.176 | 0.011 | 242.1* | 0.3 | | | | | | |
| 20097+4046 | BRT2254 | 2015.661 | 1 | 3.621 | 0.018 | 71.7* | 0.3 | 1.00 | | | | | |
| 20097+4046 | BRT2254 | 2015.661 | 1 | 3.622 | 0.018 | 71.5* | 0.3 | | | | | | |
| 20097+4130 | HDS2871 | 2015.730 | 1 | — | — | — | — | | NR | | | | |
| 20098+3629 | COU2413 | 2015.612 | 1 | 0.843 | 0.010 | 92.1* | 0.3 | 0.61 | | | | | |
| 20098+3629 | COU2413 | 2015.612 | 1 | 0.841 | 0.007 | 92.4* | 0.3 | | | | | | |
| 20099+3324 | J1163 | 2015.648 | 1 | 2.381 | 0.012 | 281.9* | 0.3 | 0.20 | | | | | |
| 20099+3324 | J1163 | 2015.648 | 1 | 2.379 | 0.016 | 280.8 | 0.3 | | | | | | |
| 20102+4357 | STT400 | 2015.599 | 1 | 0.667 | 0.010 | 329.7* | 0.8 | | | Hei1997 | 0.02 | 0.0 | 2 |
| 20105+2503 | COU122 | 2015.765 | 1 | 0.631 | 0.035 | 354.6* | 1.7 | | | | | | |
| 20105+2503 | COU122 | 2015.765 | 1 | 0.647 | 0.014 | 355.5* | 1.4 | | | | | | |
| 20113+3550 | BU430AB | 2015.637 | 1 | 1.150 | 0.007 | 22.8* | 0.3 | 2.50 | | | | | |
| 20113+3550 | BU430AB | 2015.637 | 1 | 1.155 | 0.007 | 22.4 | 0.7 | | | | | | |
| 20120+3429 | A282AB | 2015.730 | 1 | 0.308 | 0.010 | 207.9* | 1.0 | | | | | | |
| 20120+3429 | A282AB | 2015.730 | 1 | 0.323 | 0.007 | 208.2* | 0.9 | 0.40 | | | | | |
| 20122+4536 | ES501 | 2015.683 | 1 | 1.591 | 0.008 | 130.2* | 0.3 | 1.89 | | | | | |
| 20122+4536 | ES501 | 2015.683 | 1 | 1.594 | 0.010 | 130.1* | 0.3 | | | | | | |
| 20129+2913 | A1203BC | 2015.656 | 1 | 0.367 | 0.032 | 359.6* | 1.4 | 0.47 | | | | | |
| 20129+2913 | A1203BC | 2015.656 | 1 | 0.379 | 0.015 | 356.0 | 0.8 | | | | | | |
| 20130+4433 | A723 | 2015.656 | 2 | 0.349 | 0.084 | 308.5* | 0.8 | | | | | | |
| 20130+4433 | A723 | 2015.656 | 1 | 0.206 | 0.080 | 306.6 | 1.6 | | | | | | |
| 20137+1609 | STF2651AB | 2015.730 | 1 | 0.970 | 0.019 | 280.4* | 0.5 | 0.33 | | | | | |
| 20137+1609 | STF2651AB | 2015.730 | 1 | 0.953 | 0.007 | 279.1* | 0.4 | | | | | | |
| 20143+4115 | COU2639 | 2015.637 | 1 | 0.445 | 0.013 | 65.8* | 1.2 | 0.39 | | | | | |
| 20143+4115 | COU2639 | 2015.637 | 1 | 0.440 | 0.007 | 65.7 | 1.2 | | | | | | |
| 20144+3501 | COU2216 | 2015.648 | 1 | 0.561 | 0.009 | 205.7* | 0.3 | 1.23 | | | | | |
| 20144+3501 | COU2216 | 2015.648 | 1 | 0.556 | 0.007 | 206.9 | 0.7 | | | | | | |
| 20146+2453 | J1165 | 2015.599 | 1 | 2.139 | 0.012 | 121.7* | 0.3 | | | | | | |
| 20146+2453 | J1165 | 2015.599 | 1 | 2.139 | 0.011 | 121.9* | 0.4 | 2.29 | | | | | |
| 20157+4339 | FOX39DE | 2015.541 | 1 | 1.427 | 0.032 | 135.9* | 0.6 | | | | | | |
| 20157+4339 | FOX39DE | 2015.541 | 1 | 1.424 | 0.007 | 133.5 | 0.3 | 3.28 | LY | | | | |
| 20158+4233 | ES1567 | 2015.784 | 1 | 2.323 | 0.014 | 182.2* | 0.3 | 1.69 | | | | | |
| 20158+4233 | ES1567 | 2015.784 | 1 | 2.324 | 0.012 | 182.1* | 0.4 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|-------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 20165+3406 | J785AB | 2015.784 | 1 | 2.667 | 0.013 | 24.7* | 0.3 | 0.96 | | | | | |
| 20165+3406 | J785AB | 2015.784 | 1 | 2.676 | 0.013 | 24.5* | 0.3 | | | | | | |
| 20177+1755 | J1340 | 2015.784 | 1 | 1.993 | 0.010 | 130.4* | 0.3 | 0.09 | | | | | |
| 20177+1755 | J1340 | 2015.784 | 1 | 1.984 | 0.010 | 130.3* | 0.3 | | | | | | |
| 20177+2025 | COU219Aa,Ab | 2015.765 | 1 | 0.449 | 0.013 | 108.8* | 1.5 | | | | | | |
| 20177+2025 | COU219Aa,Ab | 2015.765 | 1 | 0.441 | 0.009 | 109.0* | 2.0 | | | | | | |
| 20180+3311 | HO592AB,D | 2015.765 | 1 | 3.068 | 0.015 | 254.1 | 0.3 | | NDp | | | | |
| 20180+3311 | HO592AB,D | 2015.765 | 1 | 3.070 | 0.015 | 254.2 | 0.3 | | NDp | | | | |
| 20180+3311 | HO592AB,C | 2015.765 | 1 | 2.854 | 0.014 | 240.2 | 0.3 | | | | | | |
| 20180+3311 | HO592AB,C | 2015.765 | 1 | 2.877 | 0.014 | 239.9 | 0.4 | | | | | | |
| 20180+3311 | BAR11AB | 2015.765 | 1 | 0.366 | 0.007 | 199.2* | 0.8 | 1.62 | | | | | |
| 20180+3311 | BAR11AB | 2015.765 | 1 | 0.343 | 0.012 | 198.1 | 1.9 | | | | | | |
| 20190+3225 | TDT2161 | 2015.661 | 1 | 1.082 | 0.011 | 38.0* | 0.9 | 1.19 | | | | | |
| 20190+3225 | TDT2161 | 2015.661 | 1 | 1.095 | 0.007 | 37.6* | 1.3 | | | | | | |
| 20191+2915 | COU1477 | 2015.599 | 1 | 0.598 | 0.007 | 100.0* | 0.9 | | | | | | |
| 20191+2915 | COU1477 | 2015.599 | 1 | 0.598 | 0.007 | 99.6* | 1.0 | 0.22 | | | | | |
| 20191+3645 | BU1206Aa,Ab | 2015.661 | 1 | 0.246 | 0.060 | 134.2 | 0.6 | | NDp | | | | |
| 20191+3645 | BU1206Aa,Ab | 2015.661 | 1 | 0.207 | 0.028 | 134.2 | 4.0 | | NDp | | | | |
| 20191+3645 | BU1206AB | 2015.661 | 1 | 2.197 | 0.017 | 355.1* | 0.3 | | | | | | |
| 20191+3645 | BU1206AB | 2015.661 | 1 | 2.199 | 0.024 | 354.8* | 0.5 | | | | | | |
| 20192+2441 | A391AB | 2015.661 | 1 | 0.880 | 0.010 | 277.2* | 0.5 | | | | | | |
| 20192+2441 | A391AB | 2015.661 | 1 | 0.872 | 0.007 | 277.4* | 0.6 | | | | | | |
| 20196+2154 | COU220 | 2015.612 | 1 | 1.855 | 0.009 | 119.0* | 0.3 | | | | | | |
| 20196+2154 | COU220 | 2015.612 | 1 | 1.856 | 0.009 | 118.9* | 0.3 | | | | | | |
| 20197+1522 | A1673 | 2015.648 | 1 | 1.004 | 0.007 | 58.8 | 2.2 | | | | | | |
| 20197+1522 | A1673 | 2015.648 | 1 | 0.992 | 0.011 | 57.6* | 1.3 | | | | | | |
| 20198+4522 | STT406 | 2015.612 | 1 | 0.246 | 0.055 | 94.0* | 1.1 | | | Sca2021b | -0.02 | 0.2 | 3 |
| 20198+4522 | STT406 | 2015.612 | 2 | 0.255 | 0.010 | 95.4* | 0.3 | | | Sca2021b | -0.01 | 1.6 | 3 |
| 20198+4522 | STT406 | 2015.612 | 1 | 0.201 | 0.023 | 95.6* | 1.2 | | | Hei1976 | -0.07 | 1.8 | 3 |
| 20200+1848 | HU359 | 2015.680 | 1 | 0.123 | 0.033 | 120.1 | 8.7 | | | | | | |
| 20200+1848 | HU359 | 2015.680 | 1 | 0.175 | 0.039 | 133.2 | 8.0 | | | | | | |
| 20200+3616 | BU431 | 2015.680 | 1 | 0.520 | 0.007 | 207.2* | 0.6 | | | | | | |
| 20200+3616 | BU431 | 2015.680 | 1 | 0.514 | 0.007 | 207.4* | 1.7 | 0.45 | | | | | |
| 20202+3838 | ES2052AB | 2015.806 | 1 | 2.868 | 0.022 | 47.7 | 0.4 | | | | | | |
| 20202+3838 | ES2052AB | 2015.806 | 1 | 2.894 | 0.022 | 48.2 | 0.9 | | | | | | |
| 20202+3838 | ES2052AB | 2015.806 | 1 | 2.870 | 0.014 | 47.3 | 0.3 | 4.18 | | | | | |
| 20202+3838 | ES2052Aa,Ab | 2015.806 | 1 | 0.302 | 0.021 | 38.6 | 3.3 | | NDg | | | | |
| 20202+3838 | ES2052Aa,Ab | 2015.806 | 1 | 0.297 | 0.007 | 36.6 | 2.4 | | NDg | | | | |
| 20225+4613 | A726 | 2015.612 | 1 | 0.503 | 0.007 | 275.1* | 1.8 | 1.49 | | | | | |
| 20225+4613 | A726 | 2015.612 | 1 | 0.511 | 0.007 | 276.2* | 1.3 | | | | | | |
| 20227+2837 | COU1169AB | 2015.541 | 1 | 0.227 | 0.051 | 82.8* | 3.1 | | | | | | |
| 20235+3618 | ES2191 | 2015.648 | 1 | 1.917 | 0.010 | 180.5* | 0.3 | | | | | | |
| 20235+3618 | ES2191 | 2015.648 | 1 | 1.900 | 0.025 | 180.8 | 0.3 | | | | | | |
| 20249+3404 | A290 | 2015.716 | 1 | 0.497 | 0.014 | 311.2 | 1.5 | | | | | | |
| 20249+3404 | A290 | 2015.716 | 1 | 0.501 | 0.007 | 313.3* | 0.7 | 0.87 | | | | | |
| 20251+3304 | ES2353 | 2015.656 | 1 | 1.773 | 0.030 | 153.0* | 0.4 | | | | | | |
| 20251+3304 | ES2353 | 2015.656 | 1 | 1.770 | 0.009 | 153.1* | 0.3 | | | | | | |
| 20251+3408 | COU1951 | 2015.716 | 1 | 1.337 | 0.007 | 179.3* | 0.3 | | | | | | |
| 20251+3408 | COU1951 | 2015.716 | 1 | 1.336 | 0.007 | 179.7* | 0.4 | | | | | | |
| 20253+4355 | A291AB | 2015.716 | 1 | 0.776 | 0.017 | 147.3* | 0.3 | 3.81 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|---------|-------------------------------|-------------------------------------|-------|
| 20253+4355 | A291AB | 2015.716 | 1 | 0.787 | 0.021 | 147.1 | 0.3 | | | | | | |
| 20254+4014 | MLR1 | 2015.656 | 1 | 0.424 | 0.012 | 212.3* | 1.4 | | | | | | |
| 20254+4014 | MLR1 | 2015.656 | 1 | 0.429 | 0.013 | 211.3* | 1.9 | | | | | | |
| 20256+2642 | BU1488BC | 2015.730 | 1 | 2.598 | 0.018 | 177.0 | 0.5 | | | | | | |
| 20256+2642 | BU1488BC | 2015.730 | 1 | 2.571 | 0.019 | 176.9 | 0.3 | | | | | | |
| 20256+4132 | COU2643 | 2015.656 | 1 | 0.558 | 0.007 | 291.4* | 1.0 | | | | | | |
| 20256+4132 | COU2643 | 2015.656 | 1 | 0.545 | 0.009 | 290.3* | 0.8 | 0.28 | | | | | |
| 20260+3414 | COU1953 | 2015.599 | 1 | 0.762 | 0.007 | 163.1* | 0.3 | | | | | | |
| 20260+3414 | COU1953 | 2015.599 | 1 | 0.753 | 0.007 | 163.1* | 0.4 | 0.14 | | | | | |
| 20265+3331 | COU1954 | 2015.612 | 1 | — | — | — | — | | NR | | | | |
| 20269+4152 | A293 | 2015.648 | 1 | 1.384 | 0.007 | 118.5* | 0.3 | 0.41 | | | | | |
| 20269+4152 | A293 | 2015.648 | 1 | 1.389 | 0.011 | 118.7 | 0.3 | | | | | | |
| 20281+3353 | COU1956 | 2015.612 | 2 | 0.446 | 0.007 | 240.2* | 0.3 | | | | | | |
| 20281+3353 | COU1956 | 2015.612 | 1 | 0.452 | 0.013 | 241.2 | 1.4 | | | | | | |
| 20284+2728 | COU725 | 2015.730 | 1 | 0.504 | 0.008 | 242.8 | 2.0 | | | | | | |
| 20284+2728 | COU725 | 2015.730 | 1 | 0.513 | 0.007 | 243.8* | 0.4 | 0.18 | | | | | |
| 20284+2728 | COU725 | 2015.732 | 1 | 0.516 | 0.013 | 64.1 | 0.8 | | | | | | |
| 20284+2728 | COU725 | 2015.732 | 1 | 0.491 | 0.007 | 63.2 | 1.1 | | | | | | |
| 20286+3118 | COU1325 | 2015.648 | 2 | 0.258 | 0.008 | 228.7 | 0.8 | | | | | | |
| 20286+3118 | COU1325 | 2015.648 | 1 | 0.257 | 0.022 | 223.8 | 3.8 | | | | | | |
| 20287+3423 | COU1957 | 2015.716 | 1 | 1.190 | 0.018 | 84.3* | 0.7 | | | | | | |
| 20287+3423 | COU1957 | 2015.716 | 1 | 1.193 | 0.018 | 84.9* | 0.3 | | | | | | |
| 20288+3447 | COU2132 | 2015.765 | 1 | 1.194 | 0.007 | 109.9* | 0.4 | | | | | | |
| 20288+3447 | COU2132 | 2015.765 | 1 | 1.197 | 0.007 | 110.2* | 0.3 | | | | | | |
| 20288+3628 | COU1958 | 2015.765 | 1 | 0.514 | 0.011 | 108.1* | 1.1 | 2.05 | | | | | |
| 20288+3628 | COU1958 | 2015.765 | 1 | 0.531 | 0.007 | 107.2* | 1.5 | | | | | | |
| 20302+2651 | WOR9AB | 2015.765 | 1 | 0.551 | 0.007 | 231.3* | 0.6 | | | Zir2003 | 0.04 | 5.2 | 5 |
| 20302+2651 | WOR9AB | 2015.765 | 1 | 0.551 | 0.007 | 230.8* | 0.7 | 1.18 | | Zir2003 | 0.04 | 5.2 | 5 |
| 20310+3656 | AC18Aa,Ab | 2015.833 | 1 | 0.206 | 0.007 | 61.5 | 2.2 | | | NDp | | | |
| 20310+3656 | AC18Aa,Ab | 2015.833 | 1 | 0.227 | 0.014 | 72.4 | 5.5 | | | NDp | | | |
| 20310+3656 | AC18AB | 2015.833 | 1 | 2.187 | 0.011 | 158.4* | 0.3 | | | | | | |
| 20310+3656 | AC18AB | 2015.833 | 1 | 2.169 | 0.021 | 158.0* | 0.8 | | | | | | |
| 20322+4648 | A736AB | 2015.680 | 1 | 0.613 | 0.007 | 350.3* | 0.3 | 2.23 | | | | | |
| 20322+4648 | A736AB | 2015.680 | 1 | 0.607 | 0.016 | 350.1* | 1.5 | | | | | | |
| 20338+3312 | J190AB | 2015.637 | 1 | 3.003 | 0.015 | 337.4* | 0.3 | | | | | | |
| 20338+3312 | J190AB | 2015.637 | 1 | 3.020 | 0.015 | 337.4 | 0.3 | | | | | | |
| 20340+3441 | STT408AB | 2015.773 | 1 | 1.587 | 0.008 | 13.0 | 0.3 | | | | | | |
| 20340+3441 | STT408AB | 2015.773 | 1 | 1.597 | 0.024 | 12.6 | 0.3 | | | | | | |
| 20340+3441 | STT408Aa,Ab | 2015.773 | 1 | 0.380 | 0.024 | 30.8 | 2.2 | | | NDp | | | |
| 20340+3441 | STT408Aa,Ab | 2015.773 | 1 | 0.396 | 0.020 | 33.5 | 2.0 | | | NDp | | | |
| 20341+4804 | YSC116 | 2015.765 | 1 | 0.180 | 0.010 | 269.5* | 1.2 | | | | | | |
| 20342+2449 | COU126 | 2015.730 | 1 | 0.852 | 0.010 | 92.2* | 0.8 | | | | | | |
| 20342+2449 | COU126 | 2015.730 | 1 | 0.855 | 0.008 | 92.2 | 0.6 | | | | | | |
| 20342+4327 | A396AB | 2015.680 | 1 | 1.698 | 0.008 | 139.1* | 0.5 | | | | | | |
| 20342+4327 | A396AB | 2015.680 | 1 | 1.689 | 0.011 | 139.5* | 0.3 | | | | | | |
| 20357+3908 | COU2289 | 2015.683 | 1 | 0.695 | 0.007 | 333.1* | 0.3 | | | | | | |
| 20357+3908 | COU2289 | 2015.683 | 1 | 0.689 | 0.007 | 333.3* | 0.3 | 1.13 | | | | | |
| 20359+3458 | J793 | 2015.773 | 1 | 2.911 | 0.018 | 67.2* | 0.6 | | | | | | |
| 20359+3458 | J793 | 2015.773 | 1 | 2.870 | 0.021 | 67.1* | 0.6 | | | | | | |
| 20359+3458 | J793 | 2015.773 | 1 | 2.876 | 0.018 | 66.8* | 0.4 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|---------|-------------------------------|-------------------------------------|-------|
| 20359+3617 | TDT2405Aa,Ab | 2015.599 | 1 | 0.349 | 0.027 | 221.0* | 0.8 | | | | | | NDg |
| 20359+3617 | TDT2405Aa,Ab | 2015.599 | 1 | 0.281 | 0.056 | 220.6* | 3.0 | | | | | | NDg |
| 20378+2943 | A742BC | 2015.680 | 1 | 1.182 | 0.010 | 132.1* | 0.8 | 0.95 | | | | | |
| 20378+2943 | A742BC | 2015.680 | 1 | 1.184 | 0.022 | 132.2* | 1.8 | | | | | | |
| 20379+4005 | ES1978 | 2015.683 | 1 | 2.888 | 0.014 | 136.1* | 0.3 | | | | | | |
| 20379+4005 | ES1978 | 2015.683 | 1 | 2.883 | 0.018 | 135.9* | 0.4 | 1.89 | | | | | |
| 20381+2050 | COU328 | 2015.599 | 1 | 1.024 | 0.014 | 335.1* | 0.5 | 0.21 | | | | | |
| 20381+2050 | COU328 | 2015.599 | 1 | 1.024 | 0.011 | 335.2* | 0.4 | | | | | | |
| 20381+2958 | A743 | 2015.716 | 1 | 1.238 | 0.021 | 309.6* | 0.3 | 2.62 | | | | | |
| 20381+2958 | A743 | 2015.716 | 1 | 1.275 | 0.019 | 309.2* | 0.6 | | | | | | |
| 20381+5637 | A745 | 2015.784 | 1 | 1.963 | 0.010 | 330.8* | 0.3 | | | | | | |
| 20381+5637 | A745 | 2015.784 | 1 | 1.945 | 0.030 | 330.8 | 0.5 | | | | | | |
| 20385+2909 | HO458 | 2015.833 | 1 | 2.345 | 0.265 | 101.6* | 2.1 | | | | | | |
| 20385+2909 | HO458 | 2015.833 | 1 | 2.305 | 0.035 | 101.3* | 0.5 | 0.09 | | | | | |
| 20385+2945 | COU1172 | 2015.612 | 2 | 0.316 | 0.007 | 279.3* | 0.3 | 0.52 | | | | | |
| 20385+2945 | COU1172 | 2015.612 | 1 | 0.339 | 0.027 | 279.7 | 1.1 | | | | | | |
| 20389+4741 | A746 | 2015.784 | 1 | 1.962 | 0.010 | 330.3* | 0.3 | | | | | | |
| 20390+3702 | COU2219 | 2015.637 | 1 | 0.918 | 0.007 | 224.4 | 0.6 | | | | | | |
| 20390+3702 | COU2219 | 2015.637 | 1 | 0.921 | 0.007 | 224.8* | 0.4 | 0.02 | | | | | |
| 20393+1529 | HEI77 | 2015.806 | 1 | 1.365 | 0.007 | 41.2* | 0.3 | 0.03 | | | | | |
| 20393+1529 | HEI77 | 2015.806 | 1 | 1.370 | 0.007 | 41.7* | 0.5 | | | | | | |
| 20393+2906 | HO136 | 2015.773 | 1 | 2.570 | 0.030 | 358.4* | 0.3 | | | | | | |
| 20393+2906 | HO136 | 2015.773 | 1 | 2.603 | 0.018 | 358.4* | 0.3 | | | | | | |
| 20393+2437 | POU4804 | 2014.774 | 1 | 3.072 | 0.015 | 348.4* | 0.3 | | | | | | |
| 20393+2437 | POU4804 | 2014.774 | 1 | 3.100 | 0.035 | 348.3* | 0.3 | | | | | | |
| 20396+3030 | STF2711 | 2015.773 | 1 | 2.365 | 0.012 | 222.8* | 0.4 | 3.87 | | | | | |
| 20396+3030 | STF2711 | 2015.773 | 1 | 2.372 | 0.012 | 222.9* | 0.5 | | | | | | |
| 20396+4035 | STT410AB | 2015.773 | 1 | 0.894 | 0.015 | 184.3* | 0.5 | 0.37 | | Izm2019 | 0.03 | 0.7 ^Q | 4 |
| 20396+4035 | STT410AB | 2015.773 | 1 | 0.916 | 0.020 | 184.9* | 0.4 | | | Izm2019 | 0.05 | 1.3 ^Q | 4 |
| 20396+4202 | A399 | 2015.612 | 1 | 0.872 | 0.011 | 81.4* | 0.4 | | | | | | |
| 20396+4202 | A399 | 2015.612 | 1 | 0.880 | 0.007 | 80.6* | 0.3 | | | | | | |
| 20397+3658 | A1432 | 2015.784 | 1 | 0.430 | 0.019 | 114.9* | 1.8 | 0.15 | | | | | |
| 20397+3658 | A1432 | 2015.784 | 1 | 0.449 | 0.013 | 115.8* | 0.4 | | | | | | |
| 20397+4721 | A748AB | 2015.784 | 1 | 1.377 | 0.007 | 27.5* | 0.3 | | | | | | |
| 20397+4721 | A748AB | 2015.784 | 1 | 1.381 | 0.007 | 27.8 | 0.3 | | | | | | |
| 20397+4721 | A748Aa,Ab | 2015.784 | 1 | 0.210 | 0.035 | 42.8 | 5.6 | | | | | | NDp |
| 20397+4721 | A748Aa,Ab | 2015.784 | 1 | 0.188 | 0.056 | 43.2 | 7.1 | | | | | | NDp |
| 20397+4734 | A747AB | 2015.683 | 1 | 0.314 | 0.010 | 102.6 | 0.4 | | | | | | |
| 20397+4734 | A747AB | 2015.683 | 1 | 0.334 | 0.007 | 100.5* | 1.7 | 1.01 | | | | | |
| 20398+1927 | J2604 | 2015.648 | 1 | 2.233 | 0.011 | 320.6* | 0.3 | 0.10 | | | | | |
| 20398+1927 | J2604 | 2015.648 | 1 | 2.227 | 0.028 | 321.1 | 0.3 | | | | | | |
| 20405+4343 | COU2540AC | 2015.637 | 1 | 3.590 | 0.021 | 220.5 | 0.3 | | | | | | NDg |
| 20405+4343 | COU2540AC | 2015.637 | 1 | 3.604 | 0.018 | 220.3* | 0.3 | 2.59 | | | | | NDg |
| 20405+4343 | COU2540AC | 2015.784 | 1 | 3.656 | 0.025 | 220.9* | 0.4 | 2.16 | | | | | NDg |
| 20405+4343 | COU2540AC | 2015.784 | 1 | 3.652 | 0.018 | 220.7* | 0.3 | | | | | | NDg |
| 20405+4343 | COU2540AB | 2015.637 | 2 | 0.326 | 0.009 | 116.7* | 1.0 | | | | | | |
| 20405+4343 | COU2540AB | 2015.680 | 1 | 0.403 | 0.007 | 114.1* | 0.6 | | | | | | |
| 20405+4343 | COU2540AB | 2015.784 | 1 | 0.352 | 0.007 | 117.1* | 0.6 | | | | | | |
| 20405+4343 | COU2540AB | 2015.680 | 1 | 0.366 | 0.021 | 115.4* | 0.3 | 0.87 | | | | | |
| 20410+3218 | STF2716AB | 2015.806 | 1 | 2.756 | 0.014 | 44.8 | 0.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|-------|-------------------------------|-------------------------------------|-------|
| 20410+3218 | STF2716AB | 2015.806 | 1 | 2.757 | 0.032 | 45.0 | 0.5 | | | | | | |
| 20411+3516 | COU1963AB,D | 2015.612 | 1 | 1.801 | 0.013 | 41.4 | 0.3 | | NDp | | | | |
| 20411+3516 | COU1963AB,D | 2015.612 | 1 | 1.799 | 0.009 | 41.3 | 0.3 | | NDp | | | | |
| 20411+3516 | COU1963AB,C | 2015.612 | 2 | 1.593 | 0.017 | 47.1* | 0.3 | 3.11 | | | | | |
| 20411+3516 | COU1963AB,C | 2015.612 | 1 | 1.612 | 0.008 | 46.8 | 0.4 | | | | | | |
| 20411+3516 | COU1963AB,C | 2015.612 | 1 | 1.612 | 0.013 | 47.2 | 1.1 | | | | | | |
| 20411+3516 | COU1963AB | 2015.612 | 2 | 0.238 | 0.019 | | 2.2 | 2.1 | | | | | |
| 20411+3516 | COU1963AB | 2015.612 | 1 | 0.226 | 0.017 | 0.4 | 3.0 | | | | | | |
| 20412+2023 | COU423 | 2015.612 | 1 | 0.417 | 0.013 | 160.3 | 0.7 | | | | | | |
| 20412+2023 | COU423 | 2015.614 | 2 | 0.408 | 0.007 | 161.1* | 0.3 | 0.65 | | | | | |
| 20413+4051 | COU2419 | 2015.683 | 1 | 0.865 | 0.008 | 69.8* | 0.5 | | | | | | |
| 20413+4051 | COU2419 | 2015.683 | 1 | 0.845 | 0.013 | 70.0* | 1.0 | | | | | | |
| 20414+2500 | J512 | 2015.730 | 1 | 2.351 | 0.012 | 88.3* | 0.5 | | | | | | |
| 20414+2500 | J512 | 2015.730 | 1 | 2.334 | 0.034 | 88.0* | 0.9 | 0.66 | | | | | |
| 20416+3000 | COU1174 | 2015.806 | 1 | 0.257 | 0.038 | 30.9 | 4.3 | | | | | | |
| 20416+3000 | COU1174 | 2015.806 | 1 | 0.248 | 0.007 | 35.0 | 0.4 | | | | | | |
| 20416+4424 | COU2541 | 2015.661 | 1 | 0.483 | 0.020 | 23.3* | 3.5 | | | | | | |
| 20416+4424 | COU2541 | 2015.661 | 1 | 0.466 | 0.013 | 23.4* | 1.7 | | | | | | |
| 20420+4015 | A1433 | 2015.716 | 1 | 0.807 | 0.015 | 22.7* | 0.7 | | | | | | |
| 20420+4015 | A1433 | 2015.716 | 1 | 0.855 | 0.028 | 24.8* | 1.3 | | | | | | |
| 20435+3609 | ES2195BC | 2015.661 | 1 | 1.832 | 0.009 | 91.3* | 0.3 | 2.11 | | | | | |
| 20435+3609 | ES2195BC | 2015.661 | 1 | 1.826 | 0.009 | 91.4* | 0.5 | | | | | | |
| 20437+3727 | COU2291 | 2015.765 | 1 | 0.986 | 0.017 | 228.5* | 1.3 | | | | | | |
| 20437+3727 | COU2291 | 2015.765 | 1 | 0.998 | 0.007 | 228.3* | 0.6 | 2.68 | | | | | |
| 20449+4332 | ES1448 | 2015.730 | 1 | 1.954 | 0.013 | 142.4* | 0.3 | 1.25 | | | | | |
| 20449+4332 | ES1448 | 2015.730 | 1 | 1.954 | 0.020 | 142.6* | 0.5 | | | | | | |
| 20453+4010 | COU2293 | 2015.656 | 1 | 1.160 | 0.007 | 200.1* | 0.4 | 2.59 | | | | | |
| 20453+4010 | COU2293 | 2015.656 | 1 | 1.144 | 0.023 | 199.7* | 0.7 | | | | | | |
| 20455+3102 | A1211 | 2015.656 | 1 | 3.591 | 0.018 | 241.6 | 0.3 | | | | | | |
| 20455+3102 | A1211 | 2015.656 | 1 | 3.601 | 0.018 | 241.7 | 0.3 | | | | | | |
| 20455+4338 | A611 | 2015.716 | 1 | 0.236 | 0.007 | 173.4* | 3.0 | | | | | | |
| 20455+4338 | A611 | 2015.716 | 1 | 0.264 | 0.007 | 173.3 | 1.5 | | | | | | |
| 20466+4632 | KUI101 | 2015.683 | 1 | — | — | — | — | | NR | | | | |
| 20471+1918 | HO141AB | 2015.828 | 1 | 1.612 | 0.015 | 293.9* | 0.3 | | | | | | |
| 20471+1918 | HO141AB | 2015.828 | 1 | 1.605 | 0.008 | 293.9* | 0.3 | | | | | | |
| 20475+3016 | COU1176 | 2015.656 | 1 | 0.394 | 0.007 | 225.5* | 1.3 | 0.49 | | | | | |
| 20475+3016 | COU1176 | 2015.656 | 1 | 0.396 | 0.010 | 225.3* | 1.2 | | | | | | |
| 20477+4204 | BU268 | 2015.683 | 1 | 0.404 | 0.010 | 197.1* | 0.7 | | | | | | |
| 20477+4204 | BU268 | 2015.683 | 1 | 0.382 | 0.014 | 197.1* | 1.1 | | | | | | |
| 20480+2704 | COU826 | 2015.730 | 1 | 1.281 | 0.010 | 122.6* | 0.3 | 0.35 | | | | | |
| 20480+2704 | COU826 | 2015.730 | 1 | 1.281 | 0.016 | 122.6* | 0.3 | | | | | | |
| 20480+3917 | A1434AB,C | 2015.716 | 1 | 2.456 | 0.012 | 254.5 | 0.3 | | | | | | |
| 20480+3917 | A1434AB,C | 2015.730 | 1 | 2.489 | 0.012 | 254.6 | 0.3 | | | | | | |
| 20480+3917 | A1434AB,C | 2015.730 | 1 | 2.487 | 0.012 | 254.7 | 0.5 | | | | | | |
| 20480+4126 | ES1681 | 2015.773 | 1 | 2.058 | 0.013 | 146.1* | 0.6 | | | | | | |
| 20480+4126 | ES1681 | 2015.773 | 1 | 2.060 | 0.017 | 146.1* | 0.3 | 0.86 | | | | | |
| 20486+5029 | BU366AB | 2015.716 | 1 | 1.488 | 0.007 | 130.3* | 0.3 | 0.88 | | | | | |
| 20486+5029 | BU366AB | 2015.716 | 1 | 1.485 | 0.018 | 130.8* | 0.3 | | | | | | |
| 20522+2218 | J1327 | 2015.773 | 1 | 2.711 | 0.018 | 57.7* | 0.7 | | | | | | |
| 20522+2218 | J1327 | 2015.773 | 1 | 2.737 | 0.033 | 57.7* | 0.9 | 0.27 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 20527+1726 | J605AB | 2015.680 | 1 | 1.970 | 0.010 | 234.9* | 0.3 | | | | | | |
| 20527+1726 | J605AB | 2015.680 | 1 | 1.965 | 0.015 | 235.1* | 0.6 | 1.67 | | | | | |
| 20531+2909 | STT417AB | 2015.648 | 1 | 0.906 | 0.007 | 28.0* | 0.3 | 1.25 | | | | | |
| 20531+2909 | STT417AB | 2015.648 | 1 | 0.908 | 0.007 | 27.6 | 0.3 | | | | | | |
| 20534+4139 | ES1574 | 2015.806 | 1 | 1.379 | 0.011 | 338.0* | 0.7 | 0.56 | | | | | |
| 20534+4139 | ES1574 | 2015.806 | 1 | 1.380 | 0.007 | 338.2* | 0.3 | | | | | | |
| 20536+3138 | HDS2976 | 2015.683 | 1 | 0.158 | 0.055 | 264.5* | 6.3 | | | | | | |
| 20538+3702 | SEI1300 | 2015.773 | 1 | 1.723 | 0.015 | 119.0* | 0.4 | 0.24 | | | | | |
| 20538+3702 | SEI1300 | 2015.773 | 1 | 1.721 | 0.041 | 119.5* | 0.3 | | | | | | |
| 20546+4042 | ES1685BC | 2015.648 | 1 | 2.731 | 0.014 | 73.8 | 0.8 | | | | | | |
| 20546+4042 | ES1685BC | 2015.648 | 1 | 2.708 | 0.014 | 74.0* | 0.3 | 0.56 | | | | | |
| 20547+3704 | STT419 | 2015.716 | 1 | 1.720 | 0.009 | 24.4* | 0.4 | | | | | | |
| 20547+3704 | STT419 | 2015.716 | 1 | 1.730 | 0.016 | 24.3* | 0.4 | | | | | | |
| 20551+2808 | COU831 | 2015.637 | 1 | 1.300 | 0.014 | 289.6 | 0.7 | | | | | | |
| 20551+2808 | COU831 | 2015.637 | 1 | 1.306 | 0.007 | 289.3* | 0.3 | 2.41 | | | | | |
| 20558+2131 | COU727 | 2015.784 | 1 | 1.128 | 0.007 | 352.7* | 0.5 | | | | | | |
| 20558+2131 | COU727 | 2015.784 | 1 | 1.132 | 0.007 | 352.9* | 0.3 | 0.83 | | | | | |
| 20559+4345 | COU2543 | 2015.806 | 1 | 1.584 | 0.010 | 221.9* | 0.4 | | | | | | |
| 20559+4345 | COU2543 | 2015.806 | 1 | 1.579 | 0.010 | 222.3* | 0.4 | 1.16 | | | | | |
| 20560+3546 | COU2134 | 2015.656 | 1 | 0.553 | 0.009 | 259.6* | 0.6 | | | | | | |
| 20560+3546 | COU2134 | 2015.656 | 1 | 0.570 | 0.009 | 259.0* | 2.6 | | | | | | |
| 20562+3538 | HU763 | 2015.661 | 1 | 1.607 | 0.008 | 329.3* | 0.3 | | | | | | |
| 20562+3538 | HU763 | 2015.661 | 1 | 1.604 | 0.010 | 329.1* | 0.4 | | | | | | |
| 20562+4615 | A753AB | 2015.599 | 1 | 0.989 | 0.014 | 256.3* | 0.7 | 0.88 | | | | | |
| 20562+4615 | A753AB | 2015.599 | 1 | 0.974 | 0.013 | 256.1* | 1.1 | | | | | | |
| 20565+2118 | A2797 | 2015.637 | 2 | 0.184 | 0.041 | 285.2 | 8.0 | | | | | | |
| 20579+4442 | COU2649 | 2015.680 | 1 | 0.565 | 0.007 | 321.8* | 0.5 | | | | | | |
| 20579+4442 | COU2649 | 2015.680 | 1 | 0.587 | 0.007 | 321.6* | 0.4 | 0.76 | | | | | |
| 20580+3713 | J1076 | 2015.773 | 1 | 1.717 | 0.031 | 76.9* | 1.0 | 0.22 | | | | | |
| 20580+3713 | J1076 | 2015.773 | 1 | 1.683 | 0.013 | 77.9* | 1.5 | | | | | | |
| 20581+3544 | J795AB | 2015.806 | 1 | 2.789 | 0.014 | 227.5* | 0.3 | 1.86 | | | | | |
| 20581+3544 | J795AB | 2015.806 | 1 | 2.777 | 0.014 | 227.7* | 0.3 | | | | | | |
| 20581+4043 | COU2430AB,D | 2015.828 | 1 | 3.216 | 0.056 | 3.2 | 0.6 | | NDp | | | | |
| 20581+4043 | COU2430AB,D | 2015.828 | 1 | 3.153 | 0.128 | 3.2 | 0.6 | | NDp | | | | |
| 20581+4043 | COU2430AB,C | 2015.828 | 1 | 3.059 | 0.018 | 175.3 | 0.3 | | | | | | |
| 20581+4043 | COU2430AB,C | 2015.828 | 1 | 3.058 | 0.024 | 175.4 | 0.3 | | | | | | |
| 20581+4043 | COU2430AB | 2015.828 | 1 | 0.394 | 0.014 | 251.8 | 2.4 | | | | | | |
| 20581+4043 | COU2430AB | 2015.828 | 1 | 0.380 | 0.011 | 251.4* | 0.5 | | | | | | |
| 20582+2654 | COU833 | 2015.121 | 1 | 2.933 | 0.015 | 248.0* | 0.3 | 3.04 | LY | | | | |
| 20593+1534 | STT424AB | 2015.716 | 1 | 0.536 | 0.018 | 304.9* | 0.6 | 0.97 | | PkO2018b | 0.00 | 1.1 | 4 |
| 20593+1534 | STT424AB | 2015.716 | 1 | 0.570 | 0.026 | 304.7* | 1.5 | | | PkO2018b | 0.04 | 0.9 | 4 |
| 20593+3155 | COU1178 | 2015.656 | 1 | 1.217 | 0.009 | 17.0* | 1.2 | 2.72 | | | | | |
| 20593+3155 | COU1178 | 2015.656 | 1 | 1.225 | 0.020 | 16.8* | 1.0 | | | | | | |
| 20594+3626 | HU764 | 2015.716 | 1 | 0.405 | 0.007 | 194.8* | 1.1 | | | | | | |
| 20594+3626 | HU764 | 2015.716 | 1 | 0.415 | 0.010 | 196.4* | 1.3 | 1.06 | | | | | |
| 20595+3019 | J847 | 2015.773 | 1 | 2.120 | 0.038 | 310.5* | 0.6 | | | | | | |
| 20595+3019 | J847 | 2015.773 | 1 | 2.128 | 0.018 | 309.2* | 0.3 | 1.21 | | | | | |
| 20595+3019 | J847 | 2015.773 | 1 | 2.112 | 0.015 | 308.8* | 0.3 | | | | | | |
| 20597+3752 | BAR14AB | 2015.637 | 1 | 0.993 | 0.007 | 251.6 | 0.3 | | | | | | |
| 20597+3752 | BAR14AB | 2015.637 | 1 | 0.993 | 0.007 | 251.8* | 0.3 | 1.09 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 20599+2813 | J3122AB | 2015.784 | 1 | 1.669 | 0.013 | 88.6* | 0.3 | | | | | | |
| 20599+2813 | J3122AB | 2015.784 | 1 | 1.667 | 0.011 | 88.7* | 0.5 | 0.08 | | | | | |
| 21000+4004 | KUI103AB | 2015.121 | 1 | 0.846 | 0.007 | 55.9 | 0.3 | 2.41 | | Doc2016b | 0.05 | 1.5 | 3 |
| 21000+4004 | KUI103AB | 2015.599 | 1 | 0.853 | 0.007 | 54.8* | 0.3 | | | Doc2016b | 0.06 | 0.7 | 3 |
| 21000+4004 | KUI103AB | 2015.612 | 1 | 0.850 | 0.007 | 55.5 | 0.3 | | | Doc2016b | 0.05 | -1.8 | 3 |
| 21000+4004 | KUI103AB | 2015.612 | 2 | 0.842 | 0.008 | 55.8* | 0.3 | | | Doc2016b | 0.02 | -1.5 | 3 |
| 21000+4004 | KUI103AB | 2015.648 | 1 | 0.843 | 0.008 | 56.1 | 0.7 | | | Doc2016b | 0.02 | -1.4 | 3 |
| 21000+4004 | KUI103AB | 2015.648 | 1 | 0.842 | 0.007 | 56.7* | 0.3 | | | Doc2016b | 0.02 | -0.8 | 3 |
| 21000+4004 | KUI103AB | 2015.730 | 1 | 0.847 | 0.007 | 56.2* | 0.3 | | | Doc2016b | 0.02 | -1.8 | 3 |
| 21000+4004 | KUI103AB | 2015.730 | 1 | 0.853 | 0.007 | 56.7 | 0.3 | | | Doc2016b | 0.03 | -1.3 | 3 |
| 21001+4841 | BU1210AB | 2015.716 | 1 | 2.375 | 0.012 | 119.2 | 0.8 | | | | | | |
| 21001+4841 | BU1210AB | 2015.716 | 1 | 2.367 | 0.012 | 118.6 | 0.3 | | | | | | |
| 21004+3022 | COU1179 | 2015.858 | 1 | 0.893 | 0.022 | 358.4* | 0.7 | | | | | | |
| 21004+3022 | COU1179 | 2015.858 | 1 | 0.883 | 0.007 | 358.3* | 0.3 | | | | | | |
| 21009+5929 | MLR241 | 2015.847 | 1 | 0.963 | 0.007 | 174.7* | 0.9 | | | | | | |
| 21009+5929 | MLR241 | 2015.847 | 1 | 0.959 | 0.024 | 174.0* | 1.3 | 0.73 | | | | | |
| 21018+3916 | STF2746 | 2015.765 | 1 | 1.221 | 0.010 | 322.6* | 0.3 | | | | | | |
| 21018+3916 | STF2746 | 2015.765 | 1 | 1.221 | 0.007 | 324.0* | 1.0 | | | | | | |
| 21018+4411 | HO600 | 2015.648 | 1 | 2.111 | 0.013 | 98.6 | 0.3 | | | | | | |
| 21018+4411 | HO600 | 2015.648 | 1 | 2.120 | 0.011 | 98.5* | 0.3 | | | | | | |
| 21024+4236 | ES1578 | 2015.806 | 1 | 2.763 | 0.014 | 232.9* | 0.3 | | | | | | |
| 21024+4236 | ES1578 | 2015.806 | 1 | 2.771 | 0.021 | 233.0* | 0.3 | | | | | | |
| 21025+2958 | COU1181 | 2015.648 | 1 | 0.798 | 0.007 | 216.5 | 1.7 | | | | | | |
| 21025+2958 | COU1181 | 2015.648 | 1 | 0.799 | 0.007 | 216.7* | 0.3 | 2.81 | | | | | |
| 21029+3554 | J1078AB | 2015.765 | 1 | 2.607 | 0.013 | 110.2* | 0.3 | | | | | | |
| 21029+3554 | J1078AB | 2015.765 | 1 | 2.609 | 0.013 | 110.1* | 0.3 | 2.72 | | | | | |
| 21046+4541 | ES1168 | 2015.784 | 1 | 1.422 | 0.008 | 118.3 | 0.3 | | | | | | |
| 21046+4541 | ES1168 | 2015.784 | 1 | 1.421 | 0.007 | 117.8* | 0.3 | 1.64 | | | | | |
| 21050+4021 | COU2135 | 2015.680 | 1 | 0.238 | 0.021 | 351.2* | 2.9 | | | | | | |
| 21050+4021 | COU2135 | 2015.681 | 1 | 0.213 | 0.018 | 353.9* | 2.5 | | | | | | |
| 21055+2434 | COU129 | 2015.765 | 1 | 0.725 | 0.010 | 75.4* | 0.3 | | | | | | |
| 21055+2434 | COU129 | 2015.765 | 1 | 0.731 | 0.007 | 75.6* | 0.3 | | | | | | |
| 21058+3929 | A2691AB | 2015.806 | 1 | 2.767 | 0.023 | 217.2* | 0.3 | | | | | | |
| 21058+3929 | A2691AB | 2015.806 | 1 | 2.764 | 0.014 | 217.2* | 0.3 | | | | | | |
| 21061+4001 | COU2224 | 2015.681 | 1 | 0.571 | 0.018 | 73.8* | 0.6 | | | | | | |
| 21062+2106 | TDT2748 | 2015.661 | 1 | 1.289 | 0.051 | 44.2* | 1.2 | | | | | | |
| 21062+2106 | TDT2748 | 2015.661 | 1 | 1.307 | 0.010 | 44.0* | 1.3 | 0.34 | | | | | |
| 21065+2655 | COU527Aa,Ab | 2015.765 | 1 | 0.296 | 0.025 | 308.4* | 1.4 | | | | | | |
| 21065+2655 | COU527Aa,Ab | 2015.765 | 1 | 0.325 | 0.025 | 307.5 | 1.8 | | | | | | |
| 21070+4125 | BU988AB | 2015.637 | 1 | 1.340 | 0.017 | 222.7* | 0.4 | | | | | | |
| 21070+4125 | BU988AB | 2015.637 | 1 | 1.334 | 0.019 | 222.7 | 0.5 | | | | | | |
| 21076+6304 | MLR14 | 2015.847 | 1 | 1.441 | 0.010 | 158.0 | 0.3 | | | | | | |
| 21076+6304 | MLR14 | 2015.847 | 1 | 1.455 | 0.007 | 158.3 | 0.3 | | | | | | |
| 21077+4851 | ES818BC | 2015.773 | 1 | 2.243 | 0.029 | 141.2* | 2.3 | 0.43 | | | | | |
| 21077+4851 | ES818BC | 2015.773 | 1 | 2.184 | 0.021 | 138.8 | 2.3 | 3.54 | LY | | | | |
| 21089+1748 | HU365 | 2015.681 | 1 | 1.025 | 0.007 | 20.1* | 0.9 | | | | | | |
| 21089+1748 | HU365 | 2015.681 | 1 | 1.011 | 0.013 | 19.5* | 1.2 | 1.54 | | | | | |
| 21091+6623 | MLR68 | 2015.847 | 1 | 0.781 | 0.021 | 279.9* | 0.8 | | | | | | |
| 21091+6623 | MLR68 | 2015.847 | 1 | 0.779 | 0.024 | 280.4* | 1.5 | | | | | | |
| 21091+6626 | OCA4 | 2015.847 | 1 | 0.277 | 0.007 | 34.3 | 0.6 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|---------------|----------------------|--------------------------|---------------------------------|------------|---------|----------|--------------------------|-------------------------------------|-------|
| 21091+6626 | OCA4 | 2015.847 | 1 | 0.302 | 0.030 | 33.8 | 1.2 | | | | | | |
| 21092+3620 | COU1815 | 2015.648 | 1 | 0.352 | 0.008 | 100.1 | 0.7 | | | | | | |
| 21092+3620 | COU1815 | 2015.648 | 1 | 0.300 | 0.007 | 96.8* | 0.3 | | | | | | |
| 21097+4820 | COU2545 | 2015.656 | 1 | 0.669 | 0.007 | 252.0* | 0.9 | | | | | | |
| 21097+4820 | COU2545 | 2015.656 | 1 | 0.667 | 0.017 | 251.9* | 0.8 | 0.75 | | | | | |
| 21100+4745 | A761 | 2015.656 | 1 | 0.448 | 0.007 | 56.6* | 0.3 | | | | | | |
| 21100+4745 | A761 | 2015.656 | 1 | 0.457 | 0.021 | 56.1 | 1.5 | | | | | | |
| 21105+1958 | STF2767AB | 2015.806 | 1 | 2.464 | 0.018 | 28.8* | 0.3 | | | | | | |
| 21105+1958 | STF2767AB | 2015.806 | 1 | 2.464 | 0.015 | 28.8* | 0.5 | 1.64 | | | | | |
| 21105+1958 | STF2767Aa,Ab | 2015.806 | 1 | 0.300 | 0.016 | 36.5 | 3.3 | | NDp | | | | |
| 21105+1958 | STF2767Aa,Ab | 2015.806 | 1 | 0.321 | 0.011 | 36.8 | 0.8 | | NDp | | | | |
| 21106+1650 | HU367 | 2015.661 | 1 | 0.331 | 0.012 | 334.1* | 0.9 | | | | | | |
| 21106+1650 | HU367 | 2015.661 | 1 | 0.341 | 0.016 | 335.3 | 0.3 | | | | | | |
| 21108+4417 | A882 | 2015.683 | 1 | 2.614 | 0.013 | 228.4 | 0.3 | | | | | | |
| 21109+2925 | BAG29 | 2015.683 | 1 | 0.218 | 0.067 | 150.2* | 0.6 | 0.04 | | Bag2010 | -0.00 | -8.7 | 3 |
| 21109+2925 | BAG29 | 2015.683 | 1 | 0.143 | 0.064 | 149.1* | 4.4 | | | Bag2010 | -0.08 | -9.8 | 3 |
| 21109+3830 | ES254 | 2015.872 | 1 | 2.218 | 0.012 | 325.7* | 0.3 | | | | | | |
| 21109+3830 | ES254 | 2015.872 | 1 | 2.215 | 0.018 | 325.9* | 0.3 | 0.72 | | | | | |
| 21111+3618 | HO283Aa,Ab | 2015.784 | 1 | — | — | — | — | | NR | | | | |
| 21111+4530 | BRT1146AC | 2015.852 | 1 | 4.791 | 0.038 | 243.2* | 0.7 | 1.18 | NDp | | | | |
| 21111+4530 | BRT1146AC | 2015.852 | 1 | 4.742 | 0.024 | 243.0* | 0.6 | | NDp | | | | |
| 21111+4530 | BRT1146AB | 2015.852 | 1 | 2.690 | 0.035 | 345.1* | 0.5 | | | | | | |
| 21111+4530 | BRT1146AB | 2015.852 | 1 | 2.682 | 0.039 | 345.6* | 0.5 | | | | | | |
| 21111+4530 | BRT1146Aa,Ab | 2015.852 | 1 | 0.327 | 0.015 | 37.9 | 1.2 | | NDp | | | | |
| 21111+4530 | BRT1146Aa,Ab | 2015.852 | 1 | 0.331 | 0.008 | 37.4 | 0.3 | | NDp | | | | |
| 21115+2144 | COU227 | 2015.656 | 1 | 0.527 | 0.007 | 123.8* | 0.5 | | | FMR2012b | 0.01 | 2.6 | 5 |
| 21115+4233 | COU2225 | 2015.637 | 1 | 2.053 | 0.010 | 83.0* | 0.6 | 0.15 | | | | | |
| 21115+4233 | COU2225 | 2015.637 | 1 | 2.044 | 0.027 | 82.5 | 1.0 | | | | | | |
| 21120+2410 | STT430 | 2015.765 | 1 | 1.426 | 0.007 | 193.2* | 0.3 | | | PkO2018b | 0.02 | 0.6 | 5 |
| 21120+2410 | STT430 | 2015.765 | 1 | 1.431 | 0.007 | 193.3* | 0.3 | | | PkO2018b | 0.02 | 0.7 | 5 |
| 21125+2821 | HO152 | 2015.683 | 1 | 0.189 | 0.047 | 324.3* | 5.9 | | | Doc2016g | 0.04 | -5.1 ^Q | 3 |
| 21125+2821 | HO152 | 2015.683 | 1 | 0.116 | 0.067 | 321.4* | 7.3 | | | Doc2016g | -0.03 | -8.0 ^Q | 3 |
| 21126+3846 | COU2136 | 2015.648 | 1 | 0.407 | 0.018 | 293.6 | 0.3 | | | | | | |
| 21126+3846 | COU2136 | 2015.648 | 1 | 0.413 | 0.009 | 290.7* | 0.4 | 0.91 | | | | | |
| 21130+1802 | J577 | 2015.730 | 1 | 2.397 | 0.012 | 19.5* | 0.3 | | | | | | |
| 21130+1802 | J577 | 2015.730 | 1 | 2.407 | 0.012 | 19.4* | 0.3 | 1.83 | | | | | |
| 21130+3732 | HEI283BC | 2015.730 | 1 | 3.261 | 0.138 | 78.4* | 3.5 | | | | | | |
| 21130+3732 | HEI283BC | 2015.730 | 1 | 3.258 | 0.017 | 80.4* | 2.6 | 0.26 | | | | | |
| 21133+1655 | BU681 | 2015.773 | 1 | 2.874 | 0.018 | 61.6 | 0.3 | | | | | | |
| 21133+1655 | BU681 | 2015.773 | 1 | 2.872 | 0.014 | 61.5 | 0.3 | | | | | | |
| 21135+1559 | HU767AC | 2015.656 | 1 | 2.179 | 0.011 | 283.6 | 0.3 | | NDg | | | | |
| 21135+1559 | HU767AC | 2015.656 | 1 | 2.196 | 0.011 | 284.2 | 0.3 | | NDg | | | | |
| 21135+1559 | HU767AC | 2015.656 | 1 | 2.203 | 0.011 | 284.0* | 0.3 | | NDg | | | | |
| 21139+4400 | COU2299 | 2015.716 | 1 | 0.390 | 0.008 | 34.8* | 0.8 | | | | | | |
| 21139+4400 | COU2299 | 2015.716 | 1 | 0.387 | 0.007 | 35.0* | 1.5 | 0.90 | | | | | |
| 21143+4109 | STT432 | 2015.716 | 1 | 1.331 | 0.010 | 115.3* | 0.3 | | | | | | |
| 21143+4109 | STT432 | 2015.716 | 1 | 1.314 | 0.015 | 115.2* | 0.3 | 1.18 | | | | | |
| 21145+4542 | COU2436AC | 2015.784 | 1 | 4.957 | 0.025 | 266.1 | 0.3 | 3.73 | NDg, LY | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|-------|--------------------------|----------------------------|-------|
| 21145+4542 | COU2436AB | 2015.784 | 1 | 1.161 | 0.007 | 255.8 | 0.3 | 2.28 | LY | | | | |
| 21146+2737 | COU530 | 2015.662 | 1 | 2.056 | 0.014 | 231.0* | 0.4 | | | | | | |
| 21146+2737 | COU530 | 2015.662 | 1 | 2.049 | 0.011 | 231.0* | 0.3 | | | | | | |
| 21149+3702 | COU1818 | 2015.852 | 1 | 1.396 | 0.017 | 31.1* | 0.7 | | | | | | |
| 21149+3702 | COU1818 | 2015.852 | 1 | 1.382 | 0.007 | 31.0* | 0.6 | | | | | | |
| 21152+2753 | COU531 | 2015.637 | 1 | 0.921 | 0.015 | 142.8 | 1.1 | | | | | | |
| 21152+2753 | COU531 | 2015.637 | 1 | 0.917 | 0.008 | 143.1* | 0.3 | 0.42 | | | | | |
| 21152+4619 | HDS3023 | 2015.858 | 1 | 0.894 | 0.018 | 138.9* | 1.0 | | | | | | |
| 21152+4619 | HDS3023 | 2015.858 | 1 | 0.883 | 0.017 | 140.1* | 0.9 | | | | | | |
| 21154+3912 | MLB894 | 2015.716 | 1 | 3.092 | 0.063 | 201.6* | 1.8 | 0.06 | | | | | |
| 21154+3912 | MLB894 | 2015.716 | 1 | 3.115 | 0.025 | 200.2* | 0.5 | | | | | | |
| 21156+2537 | J3130AB | 2015.121 | 1 | 4.566 | 0.023 | 124.7* | 0.3 | 2.89 | | | | | |
| 21157+4135 | POP170 | 2015.662 | 1 | 1.415 | 0.011 | 74.6* | 0.4 | | | | | | |
| 21157+4135 | POP170 | 2015.662 | 1 | 1.407 | 0.031 | 74.2* | 0.5 | 0.91 | | | | | |
| 21161+1606 | BU1261 | 2015.716 | 1 | 1.694 | 0.013 | 149.1* | 0.3 | 2.88 | | | | | |
| 21161+1606 | BU1261 | 2015.716 | 1 | 1.703 | 0.009 | 149.1* | 0.4 | | | | | | |
| 21161+4101 | COU2229 | 2015.681 | 1 | 0.768 | 0.020 | 277.8* | 1.1 | | | | | | |
| 21161+4101 | COU2229 | 2015.681 | 1 | 0.760 | 0.015 | 277.7* | 0.4 | | | | | | |
| 21176+3945 | STF2785 | 2015.828 | 1 | 2.934 | 0.015 | 233.9* | 0.3 | | | | | | |
| 21176+3945 | STF2785 | 2015.828 | 1 | 2.917 | 0.018 | 234.0* | 0.4 | | | | | | |
| 21177+1636 | J850AB | 2015.828 | 1 | 2.691 | 0.035 | 235.2* | 0.5 | | | | | | |
| 21177+1636 | J850AB | 2015.828 | 1 | 2.680 | 0.031 | 235.7* | 0.6 | 0.20 | | | | | |
| 21178+4302 | A616 | 2015.852 | 1 | 2.711 | 0.027 | 316.3* | 0.3 | | | | | | |
| 21178+4302 | A616 | 2015.852 | 1 | 2.708 | 0.014 | 316.4* | 0.3 | | | | | | |
| 21180+3049 | COU1183 | 2015.716 | 1 | 0.283 | 0.007 | 201.3* | 1.8 | 0.23 | | | | | |
| 21180+3049 | COU1183 | 2015.716 | 1 | 0.218 | 0.039 | 202.6* | 3.5 | | | | | | |
| 21181+2630 | SKF153 | 2015.828 | 1 | 2.048 | 0.031 | 107.5* | 0.8 | 0.17 | | | | | |
| 21181+2630 | SKF153 | 2015.828 | 1 | 2.083 | 0.013 | 107.3* | 0.8 | | | | | | |
| 21182+6136 | MLR507 | 2015.847 | 1 | 0.415 | 0.010 | 185.3* | 0.3 | | | | | | |
| 21182+6136 | MLR507 | 2015.847 | 1 | 0.408 | 0.015 | 185.2* | 2.4 | | | | | | |
| 21184+6334 | MLR57 | 2015.847 | 1 | 0.989 | 0.027 | 126.7 | 0.4 | | | | | | |
| 21184+6334 | MLR57 | 2015.847 | 1 | 1.009 | 0.007 | 126.5 | 1.2 | | | | | | |
| 21197+3315 | HO155 | 2015.872 | 1 | 2.033 | 0.010 | 37.8* | 0.3 | | | | | | |
| 21197+3315 | HO155 | 2015.872 | 1 | 2.046 | 0.010 | 37.9* | 0.9 | | | | | | |
| 21206+4215 | LDS2511Aa,Ab | 2015.872 | 1 | 0.303 | 0.015 | 43.6 | 0.8 | | NDp | | | | |
| 21206+4215 | LDS2511Aa,Ab | 2015.872 | 1 | 0.294 | 0.007 | 45.2 | 3.0 | | NDp | | | | |
| 21209+4127 | HO156AB | 2015.858 | 1 | 2.187 | 0.011 | 50.3 | 0.3 | | | | | | |
| 21209+4127 | HO156AB | 2015.858 | 1 | 2.197 | 0.011 | 49.9 | 0.5 | | | | | | |
| 21209+4127 | HO156Aa,Ab | 2015.858 | 1 | 0.345 | 0.013 | 41.7 | 1.3 | | NDp | | | | |
| 21209+4127 | HO156Aa,Ab | 2015.858 | 1 | 0.373 | 0.021 | 40.0 | 1.9 | | NDp | | | | |
| 21210+3304 | J1229 | 2015.852 | 1 | 2.169 | 0.024 | 303.2* | 1.2 | | | | | | |
| 21210+3304 | J1229 | 2015.852 | 1 | 2.159 | 0.011 | 302.8* | 0.3 | 1.71 | | | | | |
| 21215+2443 | COU730 | 2015.858 | 1 | 2.372 | 0.023 | 282.0* | 0.5 | | | | | | |
| 21215+2443 | COU730 | 2015.858 | 1 | 2.379 | 0.015 | 281.9* | 0.3 | 0.33 | | | | | |
| 21218+4309 | STT438 | 2015.858 | 1 | 2.209 | 0.019 | 357.1* | 0.5 | | | | | | |
| 21218+4309 | STT438 | 2015.858 | 1 | 2.238 | 0.011 | 357.7* | 0.3 | | | | | | |
| 21224+2927 | COU1041 | 2015.806 | 1 | 1.236 | 0.008 | 269.9* | 0.3 | 0.60 | | | | | |
| 21224+2927 | COU1041 | 2015.806 | 1 | 1.232 | 0.025 | 270.1* | 0.7 | | | | | | |
| 21227+1533 | J851AB | 2015.730 | 1 | 1.367 | 0.020 | 140.5* | 0.3 | 0.83 | | | | | |
| 21227+1533 | J851AB | 2015.784 | 1 | 1.376 | 0.007 | 140.4* | 0.3 | 0.99 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 21230+2726 | COU533 | 2015.784 | 1 | 0.700 | 0.013 | 289.7* | 0.3 | 1.52 | | | | | |
| 21230+2726 | COU533 | 2015.784 | 1 | 0.703 | 0.011 | 289.8* | 0.6 | | | | | | |
| 21233+1520 | HEI189 | 2015.681 | 1 | 0.602 | 0.007 | 37.4* | 0.6 | | | | | | |
| 21233+1520 | HEI189 | 2015.681 | 1 | 0.605 | 0.009 | 36.8* | 1.0 | 0.03 | | | | | |
| 21236+1717 | HU369 | 2015.806 | 1 | 0.959 | 0.007 | 18.8* | 0.5 | | | | | | |
| 21236+1717 | HU369 | 2015.806 | 1 | 0.988 | 0.015 | 19.2* | 0.3 | | | | | | |
| 21237+1931 | COU429AB | 2015.784 | 1 | 1.478 | 0.021 | 160.6* | 0.5 | | | | | | |
| 21237+1931 | COU429AB | 2015.784 | 1 | 1.483 | 0.019 | 161.0* | 0.3 | | | | | | |
| 21247+2116 | HU370 | 2015.773 | 1 | 2.075 | 0.025 | 106.0* | 0.7 | | | | | | |
| 21247+2116 | HU370 | 2015.773 | 1 | 2.060 | 0.043 | 105.6* | 0.7 | | | | | | |
| 21263+5951 | MLR361 | 2015.847 | 1 | 0.597 | 0.014 | 87.5* | 0.7 | | | | | | |
| 21263+5951 | MLR361 | 2015.847 | 1 | 0.610 | 0.014 | 87.5* | 0.5 | 0.30 | | | | | |
| 21264+4911 | ES822 | 2015.662 | 1 | 1.440 | 0.007 | 23.1* | 0.3 | | | | | | |
| 21264+4911 | ES822 | 2015.662 | 1 | 1.449 | 0.019 | 23.1* | 1.6 | 0.36 | | | | | |
| 21274+5835 | MLR435 | 2015.847 | 1 | 0.114 | 0.066 | 58.0* | 7.9 | | | | | | |
| 21274+5835 | MLR435 | 2015.847 | 1 | 0.168 | 0.057 | 54.2* | 5.4 | | | | | | |
| 21280+4305 | HO160 | 2015.806 | 1 | 2.046 | 0.010 | 183.4* | 0.4 | 2.45 | | | | | |
| 21280+4305 | HO160 | 2015.806 | 1 | 2.027 | 0.020 | 183.4* | 0.6 | | | | | | |
| 21287+1810 | HU490AB | 2015.683 | 1 | 0.369 | 0.027 | 309.6* | 1.0 | | | | | | |
| 21287+1810 | HU490AB | 2015.683 | 1 | 0.356 | 0.027 | 311.3* | 1.9 | 0.95 | | | | | |
| 21287+2028 | J611 | 2015.730 | 1 | 1.794 | 0.029 | 202.0* | 0.6 | 0.39 | | | | | |
| 21287+2028 | J611 | 2015.730 | 1 | 1.804 | 0.024 | 201.3* | 0.8 | | | | | | |
| 21297+1719 | COU535 | 2015.730 | 1 | 0.666 | 0.007 | 212.9* | 1.1 | 0.04 | | | | | |
| 21297+1719 | COU535 | 2015.730 | 1 | 0.655 | 0.014 | 212.6* | 1.1 | | | | | | |
| 21299+2353 | J612 | 2015.852 | 1 | 2.466 | 0.028 | 280.9* | 0.4 | | | | | | |
| 21299+2353 | J612 | 2015.833 | 1 | 2.418 | 0.018 | 279.8* | 0.3 | | | | | | |
| 21301+3050 | COU941 | 2015.681 | 1 | — | — | — | — | | NR | | | | |
| 21305+3701 | SEI1521AB | 2015.773 | 1 | 2.887 | 0.014 | 224.0 | 2.3 | | | | | | |
| 21305+3701 | SEI1521AB | 2015.773 | 1 | 2.906 | 0.015 | 226.1 | 0.3 | 2.31 | LY | | | | |
| 21305+3701 | SEI1521AB | 2015.784 | 1 | 2.893 | 0.014 | 226.0* | 0.3 | | | | | | |
| 21305+3701 | SEI1521AB | 2015.784 | 1 | 2.900 | 0.014 | 226.1* | 0.3 | 1.30 | | | | | |
| 21305+3701 | SEI1521AB | 2015.784 | 1 | 2.819 | 0.014 | 217.7* | 0.5 | | | | | | |
| 21305+3701 | GII102Aa,Ab | 2015.784 | 1 | 0.444 | 0.012 | 299.4* | 1.2 | | | | | | |
| 21305+3701 | GII102Aa,Ab | 2015.784 | 1 | 0.419 | 0.038 | 302.0* | 1.2 | | | | | | |
| 21305+3701 | GII102Aa,Ab | 2015.773 | 1 | 0.415 | 0.007 | 299.8 | 0.3 | 2.09 | LY | | | | |
| 21305+3701 | GII102Aa,Ab | 2015.773 | 1 | 0.432 | 0.039 | 302.7* | 2.3 | | | | | | |
| 21305+4620 | A768 | 2015.683 | 1 | 0.655 | 0.015 | 333.9* | 0.5 | | | | | | |
| 21305+4620 | A768 | 2015.683 | 1 | 0.639 | 0.018 | 335.1* | 1.8 | 1.60 | | | | | |
| 21308+4752 | A769 | 2015.662 | 1 | 0.697 | 0.008 | 293.1* | 0.7 | | | | | | |
| 21308+4752 | A769 | 2015.662 | 1 | 0.685 | 0.008 | 293.9* | 0.6 | 1.28 | | | | | |
| 21308+4827 | A770AB,C | 2015.683 | 1 | 1.106 | 0.020 | 318.7 | 0.7 | | | | | | |
| 21308+4827 | A770AB,C | 2015.683 | 1 | 1.076 | 0.022 | 318.4 | 1.3 | | | | | | |
| 21308+4827 | A770AB | 2015.683 | 2 | 0.199 | 0.011 | 321.3* | 1.7 | | | Tok2019e | 0.08 | -1.6 ^Q | 4 |
| 21308+4827 | A770AB | 2015.683 | 1 | 0.163 | 0.035 | 312.9 | 9.1 | | | Tok2019e | -0.00 | -9.5 ^Q | 4 |
| 21308+4827 | A770AB | 2015.683 | 1 | 0.166 | 0.072 | 323.8 | 3.7 | | | Tok2019e | 0.00 | 1.4 ^Q | 4 |
| 21311+5008 | HU593 | 2015.872 | 1 | 1.503 | 0.008 | 59.5* | 1.0 | | | | | | |
| 21311+5008 | HU593 | 2015.872 | 1 | 1.526 | 0.011 | 59.6* | 0.4 | | | | | | |
| 21313+4455 | POP137Aa,Ab | 2015.637 | 1 | 0.168 | 0.044 | 127.5 | 6.9 | | NDp | | | | |
| 21313+4455 | POP137Aa,Ab | 2015.637 | 1 | 0.225 | 0.030 | 126.9 | 2.3 | | NDp | | | | |
| 21319+3121 | J1236 | 2015.681 | 1 | 2.311 | 0.019 | 283.6* | 0.4 | 0.22 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 21319+3121 | J1236 | 2015.681 | 1 | 2.328 | 0.012 | 282.8* | 0.3 | | | | | | |
| 21320+3448 | COU1480 | 2015.683 | 1 | 1.713 | 0.009 | 204.0* | 0.3 | 1.90 | | | | | |
| 21320+3448 | COU1480 | 2015.683 | 1 | 1.711 | 0.009 | 204.1* | 0.3 | | | | | | |
| 21321+4828 | COU2442 | 2015.858 | 1 | 0.508 | 0.019 | 265.8* | 1.7 | 0.80 | | | | | |
| 21321+4828 | COU2442 | 2015.858 | 1 | 0.527 | 0.007 | 266.4* | 0.3 | | | | | | |
| 21322+3349 | HEI882 | 2015.773 | 1 | 1.959 | 0.022 | 181.9 | 0.3 | | | | | | |
| 21322+3349 | HEI882 | 2015.773 | 1 | 1.982 | 0.010 | 182.3* | 0.3 | | | | | | |
| 21323+1848 | BRT2497 | 2015.828 | 1 | 1.920 | 0.024 | 186.2* | 0.6 | 0.31 | | | | | |
| 21323+1848 | BRT2497 | 2015.828 | 1 | 1.899 | 0.035 | 187.1* | 0.3 | | | | | | |
| 21323+3811 | ES2063 | 2015.872 | 1 | 2.705 | 0.016 | 226.8* | 0.5 | 0.53 | | | | | |
| 21323+3811 | ES2063 | 2015.872 | 1 | 2.729 | 0.021 | 226.8* | 0.4 | | | | | | |
| 21324+2434 | MCT12 | 2015.880 | 1 | 1.562 | 0.008 | 240.2* | 0.9 | 0.04 | | | | | |
| 21324+2434 | MCT12 | 2015.880 | 1 | 1.554 | 0.013 | 240.7* | 0.9 | | | | | | |
| 21325+4436 | POP136A,BC | 2015.806 | 1 | 23.489 | 0.117 | 249.5 | 0.3 | 4.38 | LY | | | | |
| 21325+4436 | POP136BC | 2015.806 | 1 | 2.571 | 0.018 | 157.5 | 0.3 | 1.05 | LY | | | | |
| 21327+2930 | ES517 | 2015.852 | 1 | 2.500 | 0.024 | 240.0* | 1.0 | | | | | | |
| 21327+2930 | ES517 | 2015.852 | 1 | 2.493 | 0.013 | 239.9* | 0.3 | | | | | | |
| 21334+3058 | COU732Aa,Ab | 2015.681 | 1 | 0.472 | 0.009 | 265.8* | 1.2 | 0.99 | | | | | |
| 21334+3058 | COU732Aa,Ab | 2015.681 | 1 | 0.477 | 0.013 | 265.9* | 0.9 | | | | | | |
| 21335+5857 | MLR437 | 2015.847 | 1 | 0.496 | 0.007 | 300.6* | 0.7 | | | | | | |
| 21335+5857 | MLR437 | 2015.847 | 1 | 0.504 | 0.013 | 302.3* | 1.3 | | | | | | |
| 21336+3905 | COU1975Aa,Ab | 2015.765 | 1 | 0.341 | 0.007 | 329.0* | 0.4 | 0.52 | | | | | |
| 21336+3905 | COU1975Aa,Ab | 2015.765 | 1 | 0.328 | 0.013 | 328.2* | 1.0 | | | | | | |
| 21340+5100 | COU2546 | 2015.716 | 1 | 0.770 | 0.022 | 178.3* | 1.0 | 2.24 | | | | | |
| 21340+5100 | COU2546 | 2015.716 | 1 | 0.752 | 0.007 | 177.9* | 0.4 | | | | | | |
| 21344+1516 | J200 | 2015.833 | 1 | 3.068 | 0.021 | 315.3* | 0.3 | | | | | | |
| 21344+1516 | J200 | 2015.833 | 1 | 3.029 | 0.026 | 315.7* | 0.3 | | | | | | |
| 21348+3016 | ES380CD | 2015.852 | 1 | 2.888 | 0.032 | 311.0* | 0.5 | | | | | | |
| 21348+3016 | ES380CD | 2015.852 | 1 | 2.893 | 0.047 | 311.6* | 0.3 | 1.87 | | | | | |
| 21354+3837 | ES1995Aa,Ab | 2015.872 | 1 | 0.968 | 0.027 | 8.4* | 0.5 | | | NDg | | | |
| 21354+3837 | ES1995Aa,Ab | 2015.872 | 1 | 0.977 | 0.015 | 9.0* | 1.3 | 1.22 | NDg | | | | |
| 21355+2427 | HU371 | 2015.637 | 2 | 0.189 | 0.033 | 318.9* | 2.2 | | | WSI2006b | -0.07 | -5.1 | 3 |
| 21355+2427 | HU371 | 2015.637 | 1 | 0.211 | 0.030 | 319.0 | 3.3 | | | WSI2006b | -0.05 | -5.0 | 3 |
| 21355+2454 | POU5421 | 2015.852 | 1 | 2.753 | 0.127 | 34.5* | 5.2 | 0.06 | | | | | |
| 21355+2454 | POU5421 | 2015.852 | 1 | 2.835 | 0.052 | 37.7* | 1.4 | | | | | | |
| 21359+6539 | MLR83AB | 2015.847 | 1 | 0.565 | 0.007 | 319.1* | 0.9 | 1.13 | | | | | |
| 21359+6539 | MLR83AB | 2015.847 | 1 | 0.553 | 0.013 | 319.5* | 2.3 | | | | | | |
| 21362+3003 | BU167AC | 2015.716 | 1 | 2.187 | 0.020 | 103.5 | 0.7 | | | NDg | | | |
| 21362+3003 | BU167AC | 2015.716 | 1 | 2.176 | 0.019 | 103.4 | 0.4 | | | NDg | | | |
| 21362+3003 | BU167AB | 2015.716 | 1 | 1.704 | 0.026 | 88.2 | 0.3 | | | | | | |
| 21362+3003 | BU167AB | 2015.716 | 1 | 1.691 | 0.017 | 89.3 | 1.2 | | | | | | |
| 21365+4304 | COU2233 | 2015.817 | 1 | 0.138 | 0.022 | 112.5 | 2.2 | | | | | | |
| 21370+4520 | COU2309 | 2015.681 | 1 | 0.661 | 0.014 | 50.9* | 0.7 | 0.64 | | | | | |
| 21370+4520 | COU2309 | 2015.681 | 1 | 0.663 | 0.007 | 50.6* | 0.7 | | | | | | |
| 21371+4409 | POP139 | 2015.662 | 1 | 0.970 | 0.010 | 183.8* | 2.3 | | | | | | |
| 21371+4409 | POP139 | 2015.662 | 1 | 0.988 | 0.007 | 181.9* | 2.3 | 2.27 | | | | | |
| 21377+5659 | MLR583 | 2015.847 | 1 | 0.768 | 0.020 | 15.5* | 1.0 | | | | | | |
| 21377+5659 | MLR583 | 2015.847 | 1 | 0.783 | 0.007 | 14.0* | 0.7 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 21379+2743 | SKF245AC | 2015.662 | 1 | 3.335 | 0.017 | 16.4 | 0.3 | | | | | | |
| 21379+2743 | SKF245AC | 2015.662 | 1 | 3.320 | 0.017 | 16.8* | 0.3 | | | | | | |
| 21379+2743 | SKF245AC | 2015.683 | 1 | 3.317 | 0.017 | 16.9* | 0.3 | | | | | | |
| 21379+2743 | SKF245AC | 2015.683 | 1 | 3.313 | 0.020 | 16.7* | 0.3 | | | | | | |
| 21379+2743 | SKF245AC | 2015.662 | 1 | 3.342 | 0.017 | 16.4 | 0.5 | | | | | | |
| 21379+2743 | HDS3080Aa,Ab | 2015.662 | 1 | 0.179 | 0.066 | 155.4 | 3.6 | | | | | | |
| 21379+2743 | HDS3080Aa,Ab | 2015.662 | 1 | 0.162 | 0.044 | 154.0 | 3.8 | | | | | | |
| 21383+2336 | HU372 | 2015.637 | 2 | 0.274 | 0.007 | 77.1* | 0.3 | 0.42 | | USN2002 | 0.04 | -4.3 ^Q | 5 |
| 21383+2336 | HU372 | 2015.637 | 1 | 0.294 | 0.012 | 79.8 | 1.4 | | | USN2002 | 0.06 | -1.6 ^Q | 5 |
| 21392+3241 | ES2320AB | 2015.730 | 1 | 12.057 | 0.060 | 188.9* | 0.3 | 3.29 | | | | | |
| 21392+3241 | ES2320BC | 2015.730 | 1 | 3.275 | 0.016 | 322.5* | 0.3 | 1.32 | | | | | |
| 21393+2043 | STT445 | 2015.683 | 1 | 1.016 | 0.007 | 120.8* | 0.6 | 0.08 | | | | | |
| 21393+2043 | STT445 | 2015.683 | 1 | 1.014 | 0.012 | 120.8* | 0.8 | | | | | | |
| 21395+3551 | COU1335 | 2015.637 | 1 | 0.593 | 0.067 | 289.9* | 0.9 | | | | | | |
| 21395+3551 | COU1335 | 2015.637 | 1 | 0.500 | 0.067 | 288.7 | 0.5 | | | | | | |
| 21398+3749 | A1444 | 2015.872 | 1 | 1.134 | 0.007 | 82.4* | 0.3 | 0.39 | | | | | |
| 21398+3749 | A1444 | 2015.872 | 1 | 1.143 | 0.007 | 82.0* | 0.3 | | | | | | |
| 21399+1914 | COU330 | 2015.773 | 1 | 0.466 | 0.007 | 192.5* | 0.3 | | | | | | |
| 21399+2737 | HDS3083 | 2015.858 | 1 | 0.214 | 0.017 | 314.8* | 0.5 | | | Bag2010 | -0.01 | -5.0 ^Q | 2 |
| 21399+2737 | HDS3083 | 2015.858 | 1 | 0.204 | 0.022 | 314.2 | 1.5 | | | Bag2010 | -0.02 | -5.6 ^Q | 2 |
| 21399+3931 | A1445AB | 2015.685 | 1 | 1.470 | 0.007 | 283.3 | 0.3 | 4.30 | LY | | | | |
| 21402+2341 | POU5455 | 2015.828 | 1 | 2.843 | 0.025 | 249.1* | 0.3 | | | | | | |
| 21402+2341 | POU5455 | 2015.828 | 1 | 2.866 | 0.021 | 249.2* | 0.3 | 0.40 | | | | | |
| 21402+4316 | AC20AD | 2015.872 | 1 | 2.178 | 0.025 | 279.9 | 0.4 | | | NDp | | | |
| 21402+4316 | AC20AD | 2015.872 | 1 | 2.182 | 0.011 | 279.7 | 0.3 | | | NDp | | | |
| 21402+4316 | AC20AC | 2015.872 | 1 | 2.042 | 0.010 | 290.3 | 0.3 | | | NDp | | | |
| 21402+4316 | AC20AC | 2015.872 | 1 | 2.055 | 0.018 | 289.5 | 0.7 | | | NDp | | | |
| 21402+4316 | AC20AB | 2015.872 | 1 | 2.646 | 0.013 | 329.6* | 0.3 | 5.42 | LY | | | | |
| 21402+4316 | AC20AB | 2015.872 | 1 | 2.666 | 0.026 | 329.8 | 0.4 | | | | | | |
| 21402+4316 | AC20AB | 2015.880 | 1 | 2.677 | 0.013 | 329.5* | 0.3 | 4.46 | LY | | | | |
| 21410+2920 | STT448 | 2015.773 | 1 | — | — | — | — | | | NR | | | |
| 21424+4105 | KUI108AB | 2015.716 | 1 | 0.147 | 0.067 | 8.5* | 7.8 | 0.26 | | Hrt2000c | -0.06 | 0.4 | 2 |
| 21424+4105 | KUI108AB | 2015.716 | 1 | 0.204 | 0.067 | 8.7* | 2.6 | 0.26 | | Hrt2000c | 0.00 | 0.6 | 2 |
| 21426+4103 | BU688AB | 2015.716 | 1 | 0.427 | 0.015 | 199.5* | 1.5 | 0.12 | | Jte2018 | -0.00 | -0.0 | 3 |
| 21426+4103 | BU688AB | 2015.716 | 1 | 0.439 | 0.015 | 200.7* | 1.0 | | | Jte2018 | 0.01 | 1.2 | 3 |
| 21431+3149 | A1222 | 2015.896 | 1 | 0.694 | 0.007 | 352.1* | 0.3 | 0.41 | | | | | |
| 21431+3149 | A1222 | 2015.896 | 1 | 0.692 | 0.007 | 352.0* | 0.4 | | | | | | |
| 21431+4122 | COU1978 | 2015.765 | 1 | 0.149 | 0.055 | 267.1* | 6.6 | | | | | | |
| 21431+4122 | COU1978 | 2015.765 | 1 | 0.199 | 0.048 | 265.2* | 2.3 | 0.14 | | | | | |
| 21434+2147 | COU536 | 2015.852 | 1 | 0.937 | 0.018 | 224.3* | 1.9 | 1.32 | | | | | |
| 21434+2147 | COU536 | 2015.852 | 1 | 0.949 | 0.021 | 224.4* | 1.4 | | | | | | |
| 21434+3817 | KUI109Aa,Ab | 2015.716 | 1 | 1.915 | 0.010 | 142.1* | 0.3 | | | | | | |
| 21434+3817 | KUI109Aa,Ab | 2015.716 | 1 | 1.869 | 0.021 | 141.8 | 1.8 | | | | | | |
| 21435+2721 | A299AB | 2015.858 | 1 | 1.128 | 0.015 | 63.5* | 1.4 | | | | | | |
| 21435+2721 | A299AB | 2015.858 | 1 | 1.128 | 0.015 | 64.0* | 1.0 | 1.95 | | | | | |
| 21435+2721 | A299BC | 2015.858 | 1 | 0.188 | 0.032 | 115.2 | 4.3 | | | | | | |
| 21435+2721 | A299BC | 2015.858 | 1 | 0.208 | 0.036 | 117.7 | 1.9 | | | | | | |
| 21435+4448 | HO167AB | 2015.817 | 1 | 1.351 | 0.007 | 205.6* | 0.3 | 2.29 | | | | | |
| 21435+4448 | HO167AB | 2015.817 | 1 | 1.346 | 0.007 | 205.1* | 0.3 | | | | | | |
| 21439+2356 | POU5469 | 2015.833 | 1 | 2.694 | 0.038 | 30.4* | 0.5 | 0.28 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|----------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 21439+2356 | POU5469 | 2015.833 | 1 | 2.678 | 0.018 | 31.0* | 0.4 | | | | | | |
| 21442+3453 | HO605 | 2015.833 | 1 | 1.977 | 0.022 | 341.5* | 0.5 | | | | | | |
| 21442+3453 | HO605 | 2015.833 | 1 | 1.981 | 0.035 | 341.7* | 0.4 | 0.09 | | | | | |
| 21450+1626 | J821 | 2015.858 | 1 | 1.978 | 0.021 | 3.9* | 0.4 | 0.69 | | | | | |
| 21450+1626 | J821 | 2015.858 | 1 | 1.979 | 0.034 | 3.6* | 0.4 | | | | | | |
| 21455+6745 | HU970 | 2015.847 | 1 | 0.408 | 0.013 | 278.2* | 3.1 | | | | | | |
| 21455+6745 | HU970 | 2015.847 | 1 | 0.399 | 0.013 | 276.7* | 1.3 | | | | | | |
| 21462+4254 | COU1979 | 2015.806 | 1 | — | — | — | — | | NR | | | | |
| 21468+2718 | HO608 | 2015.765 | 1 | 0.576 | 0.010 | 128.3* | 0.6 | | | | | | |
| 21468+2718 | HO608 | 2015.765 | 1 | 0.587 | 0.009 | 128.5* | 0.6 | | | | | | |
| 21473+3451 | COU1482 | 2015.880 | 1 | 0.801 | 0.016 | 55.6* | 0.9 | | | | | | |
| 21473+3451 | COU1482 | 2015.880 | 1 | 0.792 | 0.024 | 56.4* | 1.4 | | | | | | |
| 21474+2834 | A300AB | 2015.806 | 1 | 2.351 | 0.015 | 252.2* | 0.7 | | | | | | |
| 21474+2834 | A300AB | 2015.806 | 1 | 2.348 | 0.012 | 251.9* | 0.3 | | | | | | |
| 21474+4256 | A405 | 2015.806 | 1 | 1.886 | 0.009 | 277.0* | 0.3 | | | | | | |
| 21474+4256 | A405 | 2015.806 | 1 | 1.900 | 0.010 | 277.3* | 0.3 | | | | | | |
| 21474+5508 | MLR591 | 2015.847 | 1 | 0.160 | 0.013 | 53.5 | 2.1 | | | | | | |
| 21481+2100 | HU378 | 2015.806 | 1 | — | — | — | — | | NR | | | | |
| 21498+3455 | COU1484 | 2015.833 | 1 | 0.431 | 0.010 | 347.7* | 0.7 | | | | | | |
| 21498+3455 | COU1484 | 2015.833 | 1 | 0.452 | 0.012 | 347.9* | 1.1 | | | | | | |
| 21498+6514 | MLR74 | 2015.847 | 1 | 0.893 | 0.007 | 268.0* | 0.4 | | | | | | |
| 21498+6514 | MLR74 | 2015.847 | 1 | 0.891 | 0.007 | 268.6* | 0.4 | | | | | | |
| 21501+1717 | COU14AD | 2015.765 | 1 | 2.197 | 0.011 | 284.6* | 0.3 | | NDp | | | | |
| 21501+1717 | COU14AD | 2015.765 | 1 | 2.193 | 0.011 | 284.5* | 0.3 | | NDp | | | | |
| 21501+1717 | COU14AC | 2015.765 | 1 | 2.043 | 0.022 | 296.4* | 0.5 | | NDp | | | | |
| 21501+1717 | COU14AC | 2015.765 | 1 | 2.062 | 0.010 | 295.9* | 0.3 | | NDp | | | | |
| 21501+1717 | COU14AB | 2015.716 | 1 | 0.167 | 0.007 | 85.0* | 0.4 | | | Mut2010b | 0.00 | 5.2 | 2 |
| 21502+5131 | COU2655 | 2015.730 | 1 | 0.292 | 0.047 | 254.3* | 2.3 | | | | | | |
| 21502+5131 | COU2655 | 2015.730 | 1 | 0.217 | 0.045 | 255.3 | 2.3 | | | | | | |
| 21504+3927 | HO170 | 2015.872 | 1 | 0.280 | 0.037 | 76.5 | 2.2 | | | | | | |
| 21504+3927 | HO170 | 2015.872 | 1 | 0.328 | 0.033 | 78.0 | 2.4 | | | | | | |
| 21505+3944 | ES211AB | 2015.817 | 1 | 2.485 | 0.027 | 197.2* | 0.8 | 2.02 | | | | | |
| 21505+3944 | ES211AB | 2015.817 | 1 | 2.500 | 0.012 | 197.4* | 0.3 | | | | | | |
| 21510+2911 | A889 | 2015.872 | 1 | — | — | — | — | | NR | | | | |
| 21511+6650 | HU972 | 2015.847 | 1 | 0.345 | 0.010 | 265.8 | 0.4 | | | Hrt2014b | 0.01 | 2.4 | 4 |
| 21511+6650 | HU972 | 2015.847 | 1 | 0.362 | 0.007 | 264.6* | 0.3 | | | Hrt2014b | 0.02 | 1.2 | 4 |
| 21517+2856 | HLD49 | 2015.833 | 1 | 2.093 | 0.012 | 341.0* | 0.5 | | | | | | |
| 21517+2856 | HLD49 | 2015.833 | 1 | 2.091 | 0.011 | 341.0* | 0.3 | | | | | | |
| 21517+3716 | COU1641 | 2015.872 | 1 | 2.106 | 0.027 | 308.9* | 0.3 | | | | | | |
| 21517+3716 | COU1641 | 2015.872 | 1 | 2.076 | 0.014 | 308.2* | 0.6 | 1.00 | | | | | |
| 21520+3857 | COU1823 | 2015.852 | 1 | 1.035 | 0.016 | 13.1* | 0.8 | | | | | | |
| 21520+3857 | COU1823 | 2015.852 | 1 | 1.018 | 0.007 | 13.5 | 0.5 | | | | | | |
| 21538+4041 | COU1980 | 2015.817 | 1 | 1.526 | 0.012 | 246.7* | 0.3 | | | | | | |
| 21538+4041 | COU1980 | 2015.817 | 1 | 1.535 | 0.010 | 246.6* | 0.3 | | | | | | |
| 21539+3610 | ES2068 | 2015.806 | 1 | 2.454 | 0.013 | 343.6* | 0.6 | 1.04 | | | | | |
| 21539+3610 | ES2068 | 2015.806 | 1 | 2.446 | 0.016 | 344.0* | 0.3 | | | | | | |
| 21543+1943 | COU432BC | 2015.853 | 1 | 0.141 | 0.014 | 334.8 | 4.8 | | | Tok2017c | 0.01 | -14.9 | 4 |
| 21543+1943 | COU432BC | 2015.853 | 1 | 0.149 | 0.014 | 335.7 | 4.2 | | | Tok2017c | 0.01 | -14.0 | 4 |
| 21544+3206 | COU1042 | 2015.765 | 1 | 1.396 | 0.017 | 107.6 | 0.3 | | | | | | |
| 21544+3206 | COU1042 | 2015.765 | 1 | 1.402 | 0.015 | 107.2 | 1.0 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|---------|----------|-------------------------------|-------------------------------------|-------|
| 21545+4403 | A620 | 2015.716 | 1 | 0.357 | 0.021 | 285.6* | 0.6 | | | | | | |
| 21545+4403 | A620 | 2015.716 | 1 | 0.377 | 0.007 | 285.1* | 0.5 | 0.16 | | | | | |
| 21550+3843 | KU62 | 2015.765 | 1 | 1.636 | 0.008 | 53.8* | 0.3 | 2.99 | | | | | |
| 21550+3843 | KU62 | 2015.765 | 1 | 1.641 | 0.012 | 53.8* | 0.3 | | | | | | |
| 21555+2724 | A303AB | 2015.833 | 1 | 2.274 | 0.021 | 52.6* | 0.3 | | | | | | |
| 21555+2724 | A303AB | 2015.833 | 1 | 2.258 | 0.013 | 52.2* | 0.3 | | | | | | |
| 21556+3849 | A1449 | 2015.852 | 1 | 0.334 | 0.011 | 50.9 | 1.1 | | | Hrt2014b | 0.02 | 0.5 ^Q | 3 |
| 21556+3849 | A1449 | 2015.852 | 1 | 0.337 | 0.009 | 50.5 | 0.4 | | | Hrt2014b | 0.02 | 0.1 ^Q | 3 |
| 21557+0715 | STT452 | 2015.896 | 1 | 0.731 | 0.016 | 178.4* | 1.0 | 1.55 | | | | | |
| 21557+0715 | STT452 | 2015.896 | 1 | 0.704 | 0.010 | 177.3* | 0.3 | | | | | | |
| 21561+2846 | GII104AC | 2015.880 | 1 | 1.902 | 0.027 | 104.4* | 0.7 | | | | | | |
| 21561+2846 | GII104AC | 2015.880 | 1 | 1.907 | 0.010 | 104.6 | 0.3 | 3.98 | LY, NDg | | | | |
| 21561+2846 | COU837AB | 2015.880 | 1 | 1.205 | 0.014 | 150.4* | 0.3 | | | | | | |
| 21561+2846 | COU837AB | 2015.880 | 1 | 1.207 | 0.018 | 150.4* | 0.4 | 0.05 | | | | | |
| 21561+2846 | COU837Aa,Ab | 2015.880 | 1 | 0.280 | 0.009 | 38.0 | 2.0 | | NDp | | | | |
| 21561+2846 | COU837Aa,Ab | 2015.880 | 1 | 0.280 | 0.007 | 38.3 | 1.9 | | NDp | | | | |
| 21564+3001 | MLB721AB | 2015.896 | 1 | 1.652 | 0.019 | 15.5* | 0.5 | | | | | | |
| 21564+3001 | MLB721AB | 2015.896 | 1 | 1.642 | 0.014 | 16.0* | 0.4 | 1.14 | | | | | |
| 21579+3616 | COU1338 | 2015.806 | 1 | 1.173 | 0.013 | 108.6* | 0.4 | | | | | | |
| 21579+3616 | COU1338 | 2015.806 | 1 | 1.163 | 0.007 | 108.2* | 0.4 | 2.34 | | | | | |
| 21589+3456 | POP91AB | 2015.806 | 1 | 3.088 | 0.015 | 299.0* | 0.3 | 2.71 | | | | | |
| 21589+3456 | POP91AB | 2015.806 | 1 | 3.072 | 0.018 | 299.1* | 0.4 | | | | | | |
| 21589+3456 | POP91Aa,Ab | 2015.806 | 1 | 0.190 | 0.008 | 45.5 | 4.7 | | NDp | | | | |
| 21590+3422 | COU840 | 2015.784 | 1 | 1.147 | 0.017 | 67.5* | 0.7 | | | | | | |
| 21590+3422 | COU840 | 2015.784 | 1 | 1.148 | 0.007 | 66.8* | 0.3 | 2.08 | | | | | |
| 21592+4158 | A406BC | 2015.806 | 1 | 1.791 | 0.013 | 298.8* | 0.3 | 2.71 | | | | | |
| 21592+4158 | A406BC | 2015.806 | 1 | 1.762 | 0.028 | 298.4* | 0.3 | | | | | | |
| 21593+3431 | J3156 | 2015.896 | 1 | 3.029 | 0.021 | 170.3* | 0.4 | 0.58 | | | | | |
| 21593+3431 | J3156 | 2015.896 | 1 | 3.027 | 0.036 | 170.8* | 0.5 | | | | | | |
| 21593+4606 | COU2138 | 2015.730 | 1 | — | — | — | — | | NR | | | | |
| 21597+4907 | HU774 | 2015.716 | 1 | 0.151 | 0.039 | 185.8* | 4.9 | 0.16 | | Doc2013k | -0.03 | -7.3 | 3 |
| 21597+4907 | HU774 | 2015.716 | 1 | 0.128 | 0.037 | 184.7* | 4.5 | 0.16 | | Doc2013k | -0.06 | -8.4 | 3 |
| 21599+3225 | COU841 | 2015.880 | 1 | 3.942 | 0.020 | 65.5 | 0.4 | | | | | | |
| 21599+3225 | COU841 | 2015.880 | 1 | 3.938 | 0.020 | 65.4 | 0.3 | | | | | | |
| 22005+6054 | MLR510AD | 2015.847 | 1 | 3.669 | 0.018 | 99.3* | 0.3 | | NDp | | | | |
| 22005+6054 | MLR510AD | 2015.847 | 1 | 3.651 | 0.018 | 99.3* | 0.3 | | NDp | | | | |
| 22005+6054 | MLR510AC | 2015.847 | 1 | 2.979 | 0.023 | 92.6* | 0.3 | 0.12 | NDp | | | | |
| 22005+6054 | MLR510AC | 2015.847 | 1 | 2.958 | 0.015 | 92.7* | 0.3 | | NDp | | | | |
| 22005+6054 | MLR510AB | 2015.847 | 1 | 0.784 | 0.011 | 124.4* | 0.5 | | | | | | |
| 22005+6054 | MLR510AB | 2015.847 | 1 | 0.796 | 0.024 | 123.1* | 1.5 | | | | | | |
| 22007+6229 | KUI110 | 2015.847 | 1 | 1.018 | 0.007 | 224.0* | 0.3 | | | | | | |
| 22009+4338 | HO175AB | 2015.730 | 1 | 0.803 | 0.007 | 319.7* | 0.5 | 3.86 | | | | | |
| 22009+4338 | HO175AB | 2015.730 | 1 | 0.811 | 0.015 | 320.6* | 1.0 | | | | | | |
| 22012+2650 | A306AB | 2015.784 | 1 | 1.441 | 0.011 | 129.9* | 0.4 | | | | | | |
| 22012+2650 | A306AB | 2015.784 | 1 | 1.435 | 0.007 | 129.5* | 0.3 | | | | | | |
| 22012+2650 | A306Aa,Ab | 2015.784 | 1 | 0.370 | 0.018 | 48.5 | 3.3 | | NDp | | | | |
| 22012+2650 | A306Aa,Ab | 2015.784 | 1 | 0.334 | 0.007 | 51.3 | 2.1 | | NDp | | | | |
| 22013+4515 | A780CD | 2015.730 | 1 | 1.064 | 0.015 | 109.7* | 1.1 | 1.32 | | | | | |
| 22013+4515 | A780CD | 2015.730 | 1 | 1.077 | 0.025 | 110.5* | 0.4 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 22020+3727 | A1452 | 2015.817 | 1 | 1.897 | 0.035 | 290.3* | 1.0 | | | | | | |
| 22020+3727 | A1452 | 2015.817 | 1 | 1.915 | 0.010 | 289.1* | 0.3 | | | | | | |
| 22025+2834 | HEI825 | 2015.784 | 1 | 2.881 | 0.014 | 201.5* | 0.3 | | | | | | |
| 22025+2834 | HEI825 | 2015.784 | 1 | 2.914 | 0.015 | 201.3* | 0.3 | 0.22 | | | | | |
| 22025+4714 | ES528 | 2015.784 | 1 | 3.595 | 0.024 | 139.2* | 0.3 | | | | | | |
| 22025+4714 | ES528 | 2015.784 | 1 | 3.618 | 0.018 | 138.3* | 0.3 | | | | | | |
| 22029+3436 | COU445 | 2015.730 | 1 | 0.869 | 0.010 | 212.5* | 0.8 | | | | | | |
| 22029+3436 | COU445 | 2015.730 | 1 | 0.869 | 0.007 | 212.8* | 0.6 | 0.25 | | | | | |
| 22029+4439 | BU694AB | 2015.716 | 1 | 1.007 | 0.007 | 7.3* | 0.4 | | | | | | |
| 22029+4439 | BU694AB | 2015.716 | 1 | 1.018 | 0.019 | 7.3* | 0.7 | | | | | | |
| 22029+4717 | A781 | 2015.858 | 1 | 2.836 | 0.014 | 200.2* | 0.6 | | | | | | |
| 22029+4717 | A781 | 2015.858 | 1 | 2.853 | 0.014 | 200.2* | 0.3 | 2.96 | | | | | |
| 22034+4250 | COU1825 | 2015.730 | 1 | 2.620 | 0.021 | 305.4* | 0.3 | | | | | | |
| 22034+4250 | COU1825 | 2015.730 | 1 | 2.604 | 0.016 | 305.4* | 0.3 | 0.36 | | | | | |
| 22040+3841 | COU1341 | 2015.806 | 1 | 1.576 | 0.010 | 271.1* | 0.3 | | | | | | |
| 22040+3841 | COU1341 | 2015.806 | 1 | 1.570 | 0.008 | 271.0* | 0.3 | | | | | | |
| 22041+4839 | ES531 | 2015.880 | 1 | 2.773 | 0.014 | 224.5* | 0.3 | | | | | | |
| 22041+4839 | ES531 | 2015.880 | 1 | 2.756 | 0.014 | 224.6* | 0.3 | | | | | | |
| 22047+4317 | ES1462BC | 2015.853 | 1 | 1.685 | 0.032 | 186.7* | 1.1 | 0.66 | | | | | |
| 22047+4317 | ES1462BC | 2015.817 | 1 | 1.691 | 0.018 | 187.0* | 0.5 | 0.46 | | | | | |
| 22047+4317 | ES1462BC | 2015.817 | 1 | 1.714 | 0.009 | 188.7* | 0.7 | | | | | | |
| 22048+3047 | A1227 | 2015.765 | 1 | 2.522 | 0.013 | 206.0* | 0.4 | | | | | | |
| 22048+3047 | A1227 | 2015.765 | 1 | 2.526 | 0.013 | 206.2 | 0.3 | | | | | | |
| 22053+4308 | COU1826 | 2015.833 | 1 | 0.949 | 0.008 | 177.1* | 0.3 | 2.61 | | | | | |
| 22053+4308 | COU1826 | 2015.833 | 1 | 0.961 | 0.007 | 177.3* | 0.5 | | | | | | |
| 22057+4121 | HDS3137 | 2015.872 | 1 | 0.641 | 0.009 | 279.0* | 0.3 | | | | | | |
| 22057+4121 | HDS3137 | 2015.872 | 1 | 0.646 | 0.007 | 279.0* | 0.3 | | | | | | |
| 22061+4159 | A407AB | 2015.833 | 1 | 0.652 | 0.008 | 201.2* | 1.6 | 0.43 | | | | | |
| 22061+4159 | A407AB | 2015.833 | 1 | 0.668 | 0.008 | 202.2* | 0.8 | | | | | | |
| 22075+2538 | A308 | 2015.880 | 1 | 0.189 | 0.007 | 137.2* | 1.6 | | | Hrt2009 | 0.02 | 0.7 ^Q | 3 |
| 22075+2538 | A308 | 2015.880 | 1 | 0.201 | 0.007 | 134.4* | 0.7 | | | Hrt2009 | 0.03 | -2.1 ^Q | 3 |
| 22076+4121 | COU1827 | 2015.784 | 1 | 0.692 | 0.013 | 310.8* | 0.5 | | | | | | |
| 22076+4121 | COU1827 | 2015.784 | 1 | 0.702 | 0.007 | 311.3* | 0.3 | 0.73 | | | | | |
| 22077+0913 | HJ3090Aa,Ab | 2015.896 | 1 | 0.401 | 0.017 | 73.0* | 3.8 | 0.12 | NDp | | | | |
| 22077+0913 | HJ3090Aa,Ab | 2015.896 | 1 | 0.390 | 0.021 | 73.9* | 1.5 | | NDp | | | | |
| 22077+2622 | COU537 | 2015.730 | 1 | 0.296 | 0.010 | 329.8* | 0.8 | 0.38 | | Doc2012g | 0.06 | -3.5 | 3 |
| 22077+2622 | COU537 | 2015.730 | 1 | 0.265 | 0.034 | 330.0* | 0.8 | | | Doc2012g | 0.02 | -3.3 | 3 |
| 22078+5333 | MLR592 | 2015.847 | 1 | 0.491 | 0.007 | 22.6* | 1.5 | | | | | | |
| 22078+5333 | MLR592 | 2015.847 | 1 | 0.499 | 0.011 | 22.7* | 1.7 | | | | | | |
| 22080+6938 | MLR99 | 2015.847 | 1 | 0.144 | 0.015 | 60.9 | 4.5* | | | | | | |
| 22080+6938 | MLR99 | 2015.847 | 1 | 0.148 | 0.029 | 57.4 | 4.8 | | | | | | |
| 22094+3322 | ES387 | 2015.784 | 1 | 1.752 | 0.009 | 264.6* | 0.6 | 0.22 | | | | | |
| 22094+3322 | ES387 | 2015.784 | 1 | 1.746 | 0.011 | 264.8* | 0.5 | | | | | | |
| 22096+4154 | A408 | 2015.784 | 1 | 1.434 | 0.013 | 183.0* | 0.7 | | | | | | |
| 22096+4154 | A408 | 2015.784 | 1 | 1.436 | 0.014 | 182.8* | 0.5 | | | | | | |
| 22100+2203 | COU137AB | 2015.872 | 1 | 0.724 | 0.014 | 252.9* | 0.7 | | | | | | |
| 22100+2203 | COU137AB | 2015.872 | 1 | 0.735 | 0.007 | 252.5* | 0.3 | 0.05 | | | | | |
| 22100+2308 | COU136 | 2015.730 | 1 | 0.414 | 0.017 | 198.1* | 0.8 | 0.05 | | Doc2016h | -0.05 | -1.6 ^Q | 4 |
| 22100+2308 | COU136 | 2015.730 | 1 | 0.420 | 0.017 | 198.8 | 0.9 | | | Doc2016h | -0.04 | -0.9 ^Q | 4 |
| 22103+1937 | CHR106AB | 2015.765 | 1 | 0.675 | 0.007 | 166.4 | 0.9 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|--------|----------|-------------------------------|-------------------------------------|-------|
| 22107+0755 | WOR10 | 2015.896 | 1 | 0.886 | 0.010 | 6.7* | 0.8 | | | Zir2014a | 0.01 | 0.4 | 5 |
| 22107+0755 | WOR10 | 2015.896 | 1 | 0.901 | 0.010 | 6.2* | 0.5 | 0.09 | | Zir2014a | 0.02 | -0.1 | 5 |
| 22109+4211 | A2494 | 2015.853 | 1 | 0.201 | 0.007 | 7.6* | 2.7 | | | FMR2018c | -0.00 | -2.0 | 4 |
| 22109+4211 | A2494 | 2015.853 | 1 | 0.138 | 0.040 | 9.3* | 2.7 | | | FMR2018c | -0.07 | -0.3 | 4 |
| 22113+4010 | STT464AB | 2015.872 | 1 | 0.358 | 0.037 | 187.4* | 2.3 | | | Lin1999b | 0.03 | -5.5 | 5 |
| 22113+4010 | STT464AB | 2015.872 | 1 | 0.306 | 0.038 | 185.9* | 0.4 | | | Lin1999b | -0.02 | -7.0 | 5 |
| 22115+1806 | CHR119Aa,Ab | 2015.896 | 1 | — | — | — | — | | NR | | | | |
| 22116+2716 | HO289BC | 2015.872 | 1 | 3.069 | 0.035 | 323.9* | 0.3 | 0.54 | | | | | |
| 22116+2716 | HO289BC | 2015.872 | 1 | 3.081 | 0.015 | 324.0* | 0.3 | | | | | | |
| 22130+3426 | COU1190BC | 2015.765 | 1 | 2.342 | 0.021 | 9.4* | 0.5 | | | | | | |
| 22130+3426 | COU1190BC | 2015.765 | 1 | 2.342 | 0.024 | 9.6* | 0.4 | | | | | | |
| 22140+2600 | MLB1051 | 2015.896 | 1 | 2.255 | 0.017 | 270.4* | 0.3 | | | | | | |
| 22140+2600 | MLB1051 | 2015.896 | 1 | 2.262 | 0.024 | 270.2* | 0.3 | 0.30 | | | | | |
| 22154+3727 | COU1342 | 2015.765 | 1 | 1.924 | 0.015 | 161.4* | 0.5 | | | | | | |
| 22154+3727 | COU1342 | 2015.765 | 1 | 1.925 | 0.010 | 161.9* | 0.3 | | | | | | |
| 22155+5549 | MLR611 | 2015.847 | 1 | 0.375 | 0.018 | 137.3* | 1.0 | | | | | | |
| 22155+5549 | MLR611 | 2015.847 | 1 | 0.384 | 0.010 | 137.7* | 0.6 | | | | | | |
| 22159+6413 | MLR58 | 2015.847 | 1 | 0.504 | 0.007 | 109.8* | 0.8 | | | | | | |
| 22159+6413 | MLR58 | 2015.847 | 1 | 0.491 | 0.014 | 111.8* | 1.2 | | | | | | |
| 22161+6449 | MLR76 | 2015.847 | 1 | 0.420 | 0.129 | 243.3* | 5.2 | | | | | | |
| 22166+4644 | A2395 | 2015.853 | 1 | 2.252 | 0.011 | 358.0* | 1.2 | | | | | | |
| 22166+4644 | A2395 | 2015.853 | 1 | 2.257 | 0.011 | 358.6* | 0.3 | 1.62 | | | | | |
| 22171+4633 | A184 | 2015.833 | 1 | 2.602 | 0.013 | 317.4* | 0.3 | | | | | | |
| 22171+4633 | A184 | 2015.833 | 1 | 2.604 | 0.034 | 317.8* | 0.4 | | | | | | |
| 22176+4503 | ES1343 | 2015.872 | 1 | 1.732 | 0.013 | 73.8* | 0.3 | 0.75 | | | | | |
| 22176+4503 | ES1343 | 2015.872 | 1 | 1.731 | 0.009 | 73.8* | 0.3 | | | | | | |
| 22190+4125 | POP165BC | 2015.817 | 1 | 2.434 | 0.066 | 37.4 | 1.6 | | | | | | |
| 22190+4125 | POP165BC | 2015.817 | 1 | 2.770 | 0.793 | 35.3* | 7.0 | | | | | | |
| 22190+4125 | POP165BC | 2015.880 | 1 | 2.493 | 0.012 | 36.0* | 0.6 | | | | | | |
| 22190+4125 | POP165BC | 2015.880 | 1 | 2.494 | 0.012 | 36.1* | 0.6 | 1.20 | | | | | |
| 22205+4817 | A186AB | 2015.806 | 1 | 0.980 | 0.007 | 11.0* | 0.5 | | | | | | |
| 22205+4817 | A186AB | 2015.806 | 1 | 0.993 | 0.010 | 11.0* | 0.3 | | | | | | |
| 22207+4434 | COU1983 | 2015.806 | 1 | 0.436 | 0.024 | 261.9* | 0.8 | | | | | | |
| 22207+4434 | COU1983 | 2015.806 | 1 | 0.452 | 0.007 | 262.0* | 0.7 | | | | | | |
| 22221+2155 | J2578AB | 2015.765 | 1 | 2.058 | 0.019 | 351.5* | 0.6 | | | | | | |
| 22221+2155 | J2578AB | 2015.765 | 1 | 2.063 | 0.010 | 351.9* | 0.3 | 2.23 | | | | | |
| 22221+2155 | J2578Aa,Ab | 2015.765 | 1 | 0.190 | 0.013 | 128.8 | 2.5 | | NDp | | | | |
| 22221+2155 | J2578Aa,Ab | 2015.765 | 1 | 0.190 | 0.008 | 129.3 | 2.4 | | NDp | | | | |
| 22223+2131 | HU384 | 2015.853 | 1 | 0.201 | 0.050 | 128.7 | 6.9 | | | | | | |
| 22223+2131 | HU384 | 2015.853 | 1 | 0.139 | 0.058 | 122.9 | 7.5 | | | | | | |
| 22226+4738 | COU2327AC | 2015.806 | 1 | 4.902 | 0.025 | 358.7 | 1.3 | 3.83 | LY,NDg | | | | |
| 22226+4738 | COU2327AC | 2015.806 | 1 | 4.936 | 0.025 | 359.2 | 1.3 | | NDg | | | | |
| 22226+4738 | COU2327AB | 2015.806 | 1 | 3.682 | 0.018 | 31.3 | 0.3 | 1.19 | NDg,LY | | | | |
| 22226+4738 | COU2327Aa,Ab | 2015.806 | 1 | 0.954 | 0.007 | 329.8* | 0.6 | | | | | | |
| 22226+4738 | COU2327Aa,Ab | 2015.806 | 1 | 0.937 | 0.007 | 329.2 | 0.3 | 1.85 | LY | | | | |
| 22234+3228 | WOR11 | 2015.765 | 1 | 1.263 | 0.007 | 72.9* | 0.3 | | | Cve2011b | -0.05 | 1.9 ^Q | 5 |
| 22234+3228 | WOR11 | 2015.765 | 1 | 1.256 | 0.007 | 72.3* | 0.5 | 0.04 | | Cve2011b | -0.05 | 1.3 ^Q | 5 |
| 22237+2051 | COU139CD | 2015.784 | 1 | 0.348 | 0.018 | 89.1 | 1.6 | | | | | | |
| 22237+2051 | COU139CD | 2015.784 | 1 | 0.352 | 0.007 | 88.8* | 0.5 | 0.23 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 22242+4308 | ES1591 | 2015.896 | 1 | 2.395 | 0.012 | 166.1* | 0.3 | 2.14 | | | | | |
| 22242+4308 | ES1591 | 2015.896 | 1 | 2.383 | 0.021 | 166.6* | 0.7 | | | | | | |
| 22242+4403 | A412AB | 2015.784 | 1 | 2.342 | 0.012 | 121.8* | 0.3 | | | | | | |
| 22242+4403 | A412AB | 2015.784 | 1 | 2.345 | 0.012 | 121.7* | 0.3 | | | | | | |
| 22245+4518 | ES1345 | 2015.880 | 1 | 2.595 | 0.035 | 297.1* | 0.5 | | | | | | |
| 22245+4518 | ES1345 | 2015.880 | 1 | 2.598 | 0.035 | 297.3* | 0.5 | | | | | | |
| 22258+4723 | ES1284 | 2015.784 | 1 | 1.825 | 0.009 | 62.5* | 0.6 | | | | | | |
| 22258+4723 | ES1284 | 2015.784 | 1 | 1.832 | 0.011 | 62.5* | 0.4 | | | | | | |
| 22264+4633 | A2396 | 2015.853 | 1 | 1.533 | 0.030 | 180.2* | 1.3 | | | | | | |
| 22264+4633 | A2396 | 2015.853 | 1 | 1.534 | 0.012 | 180.6* | 0.3 | | | | | | |
| 22269+2653 | COU539 | 2015.896 | 1 | 0.593 | 0.010 | 195.6* | 0.7 | | | | | | |
| 22269+2653 | COU539 | 2015.896 | 1 | 0.593 | 0.007 | 195.6* | 0.8 | | | | | | |
| 22282+0910 | COU5AB | 2015.896 | 1 | 0.911 | 0.018 | 251.7* | 2.0 | | | | | | |
| 22282+0910 | COU5AB | 2015.896 | 1 | 0.900 | 0.017 | 252.5 | 1.3 | 1.11 | LY | | | | |
| 22282+0910 | J180AB,C | 2015.896 | 1 | 6.092 | 0.030 | 307.3* | 0.3 | 3.74 | | | | | |
| 22285+3343 | COU942 | 2015.765 | 1 | 0.258 | 0.027 | 137.3 | 2.3 | | | | | | |
| 22285+3343 | COU942 | 2015.765 | 1 | 0.265 | 0.007 | 138.9* | 0.3 | 0.60 | | | | | |
| 22285+4833 | A187 | 2015.853 | 1 | 2.241 | 0.011 | 127.4* | 0.3 | | | | | | |
| 22285+4833 | A187 | 2015.853 | 1 | 2.251 | 0.011 | 127.7* | 0.3 | | | | | | |
| 22302+2228 | HU388 | 2015.935 | 1 | 0.538 | 0.007 | 60.8* | 0.3 | | | Doc2008c | -0.00 | -0.4 | 4 |
| 22302+2228 | HU388 | 2015.935 | 1 | 0.534 | 0.008 | 61.8 | 0.7 | | | Doc2008c | -0.01 | 0.6 | 4 |
| 22302+4058 | ES1696BD | 2015.872 | 1 | 2.004 | 0.019 | 270.9* | 0.6 | | NDp | | | | |
| 22302+4058 | ES1696BD | 2015.872 | 1 | 2.024 | 0.027 | 271.1* | 0.7 | | NDp | | | | |
| 22302+4058 | ES1696BC | 2015.872 | 1 | 1.870 | 0.029 | 277.7* | 0.8 | | | | | | |
| 22302+4058 | ES1696BC | 2015.872 | 1 | 1.873 | 0.018 | 277.9* | 0.9 | | | | | | |
| 22302+4058 | GII103Ba,Bb | 2015.872 | 1 | 0.376 | 0.007 | 204.8* | 0.3 | 0.51 | | | | | |
| 22302+4058 | GII103Ba,Bb | 2015.880 | 1 | 0.373 | 0.027 | 211.6* | 4.4 | | | | | | |
| 22306+2411 | J918 | 2015.784 | 1 | 2.554 | 0.013 | 283.3* | 0.3 | | | | | | |
| 22306+2411 | J918 | 2015.784 | 1 | 2.551 | 0.013 | 283.3* | 0.3 | | | | | | |
| 22307+1758 | COU234 | 2015.784 | 1 | 0.232 | 0.007 | 358.5* | 0.6 | | | Doc2012c | 0.00 | 2.1 ^Q | 4 |
| 22307+1758 | COU234 | 2015.784 | 1 | 0.210 | 0.007 | 358.7* | 1.9 | | | Doc2012c | -0.02 | 2.3 ^Q | 4 |
| 22322+4927 | COU2449 | 2015.853 | 1 | 1.018 | 0.019 | 126.3* | 0.3 | 2.62 | | | | | |
| 22322+4927 | COU2449 | 2015.853 | 1 | 1.015 | 0.016 | 125.6* | 0.7 | | | | | | |
| 22328+4857 | ES540 | 2015.872 | 1 | 1.520 | 0.009 | 290.2* | 0.3 | | | | | | |
| 22328+4857 | ES540 | 2015.872 | 1 | 1.527 | 0.008 | 290.2* | 0.3 | 2.55 | | | | | |
| 22341+3823 | COU1488 | 2015.784 | 1 | 0.374 | 0.007 | 53.1* | 1.3 | 0.59 | | | | | |
| 22341+3823 | COU1488 | 2015.784 | 1 | 0.377 | 0.007 | 53.7 | 0.8 | | | | | | |
| 22344+2514 | COU141 | 2015.935 | 1 | 1.553 | 0.013 | 205.9* | 0.4 | | | | | | |
| 22344+2514 | COU141 | 2015.935 | 1 | 1.562 | 0.023 | 205.8* | 0.9 | 0.06 | | | | | |
| 22344+2623 | COU540 | 2015.730 | 1 | 0.362 | 0.013 | 326.8* | 2.6 | | | Mnt2004a | 0.02 | 5.5 | 5 |
| 22344+2623 | COU540 | 2015.730 | 1 | 0.366 | 0.009 | 326.9* | 0.9 | 0.04 | | Mnt2004a | 0.03 | 5.6 | 5 |
| 22354+4341 | COU2143 | 2015.730 | 1 | 0.300 | 0.038 | 98.2* | 1.9 | | | | | | |
| 22354+4341 | COU2143 | 2015.730 | 1 | 0.326 | 0.027 | 100.3* | 1.6 | 0.12 | | | | | |
| 22357+5413 | MLR3 | 2015.847 | 1 | 0.349 | 0.007 | 178.0* | 2.0 | | | Msn2001a | 0.184 | 60.0 ^Q | 5 |
| 22357+5413 | MLR3 | 2015.847 | 1 | 0.338 | 0.016 | 173.3 | 1.4 | | | Msn2001a | 0.173 | 55.3 ^Q | 5 |
| 22359+3938 | A1469CH | 2015.853 | 1 | 1.727 | 0.015 | 254.6* | 0.3 | | | | | | |
| 22359+3938 | A1469CH | 2015.853 | 1 | 1.733 | 0.035 | 255.6* | 1.1 | | | | | | |
| 22359+3938 | A1469CH | 2015.872 | 1 | 1.719 | 0.011 | 255.7* | 0.6 | | | | | | |
| 22359+3938 | A1469CH | 2015.872 | 1 | 1.679 | 0.016 | 256.6* | 1.5 | | | | | | |
| 22371+3712 | A1472 | 2015.784 | 1 | 0.219 | 0.010 | 82.7* | 3.3 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|----------|-------|--------------------------|----------------------------|-------|
| 22371+3712 | A1472 | 2015.784 | 1 | 0.215 | 0.010 | 80.1* | 0.7 | | | | | | |
| 22372+2645 | COU737Aa,Ab | 2015.765 | 1 | — | — | — | — | | NR | | | | |
| 22376+3701 | ES2074AB | 2015.935 | 1 | 1.787 | 0.009 | 83.5* | 0.4 | | | | | | |
| 22376+3701 | ES2074AB | 2015.935 | 1 | 1.794 | 0.014 | 83.4* | 0.6 | | | | | | |
| 22376+3701 | ES2074Aa,Ab | 2015.935 | 1 | 0.339 | 0.023 | 35.0 | 4.4 | | NDp | | | | |
| 22376+3701 | ES2074Aa,Ab | 2015.935 | 1 | 0.316 | 0.007 | 35.5 | 0.9 | | NDp | | | | |
| 22378+3641 | ES216BC | 2015.828 | 1 | 2.752 | 0.019 | 3.8* | 0.3 | | | | | | |
| 22378+3641 | ES216BC | 2015.828 | 1 | 2.787 | 0.044 | 3.6* | 0.4 | 1.36 | | | | | |
| 22378+3641 | ES216Ba,Bb | 2015.828 | 1 | 0.200 | 0.008 | 41.3 | 3.3 | | NDp | | | | |
| 22378+3641 | ES216Ba,Bb | 2015.828 | 1 | 0.224 | 0.024 | 35.8 | 1.5 | | NDp | | | | |
| 22385+1806 | BRT2507 | 2015.828 | 1 | 2.800 | 0.024 | 60.1* | 0.3 | 0.16 | | | | | |
| 22385+1806 | BRT2507 | 2015.828 | 1 | 2.787 | 0.014 | 60.1* | 0.4 | | | | | | |
| 22386+2215 | COU235 | 2015.765 | 1 | 0.424 | 0.025 | 70.8* | 2.7 | 1.40 | | | | | |
| 22386+2215 | COU235 | 2015.765 | 1 | 0.428 | 0.010 | 73.3 | 2.8 | | | | | | |
| 22389+1931 | KUI113 | 2015.784 | 1 | 1.970 | 0.010 | 238.9 | 0.4 | | | | | | |
| 22389+1931 | KUI113 | 2015.784 | 1 | 1.969 | 0.012 | 238.9 | 0.3 | | | | | | |
| 22389+1931 | KUI113 | 2015.784 | 1 | 1.971 | 0.015 | 239.1 | 0.4 | | | | | | |
| 22390+1850 | HU392AB | 2015.943 | 1 | 0.509 | 0.007 | 346.6* | 0.5 | 0.74 | | | | | |
| 22390+1850 | HU392AB | 2015.943 | 1 | 0.510 | 0.017 | 346.9* | 1.0 | | | | | | |
| 22392+2014 | HU393 | 2015.943 | 1 | 0.900 | 0.008 | 224.1* | 0.5 | | | | | | |
| 22392+2014 | HU393 | 2015.943 | 1 | 0.897 | 0.010 | 225.1* | 0.6 | | | | | | |
| 22394+5503 | MLR615 | 2015.847 | 1 | 0.215 | 0.025 | 136.2 | 6.3 | | | | | | |
| 22394+5503 | MLR615 | 2015.847 | 1 | 0.151 | 0.020 | 143.4 | 8.7 | | | | | | |
| 22395+4123 | BU277AB | 2015.828 | 1 | 0.424 | 0.007 | 221.1* | 0.5 | 1.04 | | | | | |
| 22395+4123 | BU277AB | 2015.828 | 1 | 0.421 | 0.007 | 220.8 | 0.9 | | | | | | |
| 22400+4800 | COU2335 | 2015.853 | 1 | 0.981 | 0.007 | 345.2* | 0.3 | 0.20 | | | | | |
| 22400+4800 | COU2335 | 2015.853 | 1 | 0.980 | 0.015 | 344.9* | 0.4 | | | | | | |
| 22402+3732 | HO188 | 2015.872 | 1 | 0.378 | 0.007 | 228.7* | 0.3 | | USN2006b | | 0.08 | -3.3 | 3 |
| 22402+3732 | HO188 | 2015.872 | 1 | 0.379 | 0.010 | 228.4* | 1.6 | | USN2006b | | 0.08 | -3.3 | 3 |
| 22406+0632 | HU494 | 2015.896 | 1 | 0.518 | 0.007 | 156.6* | 0.5 | 0.33 | Hrt2010a | | 0.03 | 2.8 ^Q | 4 |
| 22406+0632 | HU494 | 2015.896 | 1 | 0.514 | 0.007 | 156.7* | 0.3 | | Hrt2010a | | 0.02 | 2.9 ^Q | 4 |
| 22412+1434 | COU20 | 2015.896 | 1 | 2.555 | 0.013 | 241.9 | 0.3 | 2.51 | | | | | |
| 22419+2126 | STF2934AB | 2015.935 | 1 | 1.392 | 0.019 | 56.9* | 0.4 | | Izm2019 | | -0.06 | 3.2 | |
| 22419+2126 | STF2934AB | 2015.935 | 1 | 1.397 | 0.007 | 56.7* | 0.3 | | Izm2019 | | -0.05 | 3.0 | |
| 22419+2126 | STF2934Aa,Ab | 2015.935 | 1 | 0.289 | 0.020 | 37.9 | 3.0 | | NDp | | | | |
| 22419+2126 | STF2934Aa,Ab | 2015.935 | 1 | 0.316 | 0.013 | 36.9 | 0.5 | | NDp | | | | |
| 22430+4443 | ES1348 | 2015.853 | 1 | 2.461 | 0.015 | 99.5* | 0.6 | | | | | | |
| 22430+4443 | ES1348 | 2015.853 | 1 | 2.458 | 0.022 | 99.0 | 0.5 | | | | | | |
| 22431+4710 | STT476AC | 2015.765 | 1 | 0.502 | 0.007 | 300.6* | 0.7 | 1.18 | | | | | |
| 22431+4710 | STT476AC | 2015.765 | 1 | 0.504 | 0.018 | 300.7* | 0.7 | | | | | | |
| 22431+4710 | STT476AC | 2015.872 | 1 | 0.507 | 0.007 | 299.5* | 1.0 | | | | | | |
| 22431+4710 | STT476AC | 2015.872 | 1 | 0.510 | 0.007 | 299.1* | 1.0 | | | | | | |
| 22438+7141 | MLR264 | 2015.847 | 1 | 0.467 | 0.007 | 84.4* | 1.1 | | | | | | |
| 22438+7141 | MLR264 | 2015.847 | 1 | 0.477 | 0.007 | 84.8* | 1.1 | | | | | | |
| 22445+3303 | ES2271 | 2015.896 | 1 | 1.742 | 0.011 | 205.9* | 0.5 | | | | | | |
| 22445+3303 | ES2271 | 2015.896 | 1 | 1.753 | 0.013 | 206.5* | 0.4 | 0.42 | | | | | |
| 22450+2430 | POU5745 | 2013.909 | 5 | 7.947 | 0.042 | 318.4 | 2.3 | 0.92 | | | | | |
| 22450+2430 | POU5745 | 2013.917 | 5 | 7.929 | 0.042 | 323.1 | 2.3 | 0.85 | | | | | |
| 22450+2430 | POU5745 | 2013.922 | 5 | 8.015 | 0.042 | 323.7 | 2.3 | 1.00 | | | | | |
| 22455+1112 | BU711AB | 2015.896 | 1 | 2.652 | 0.013 | 349.1* | 0.4 | | Izm2019 | | 0.11 | -0.4 | 5 |
| 22455+1112 | BU711AB | 2015.896 | 1 | 2.655 | 0.017 | 348.8* | 0.3 | 2.93 | Izm2019 | | 0.11 | -0.7 | 5 |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 22465+4110 | GCB64 | 2015.935 | 1 | 1.749 | 0.011 | 284.1* | 0.3 | | | | | | |
| 22465+4110 | GCB64 | 2015.935 | 1 | 1.756 | 0.009 | 284.4* | 0.3 | 0.47 | | | | | |
| 22468+4420 | HER5BC | 2015.806 | 1 | 1.198 | 0.007 | 253.4* | 1.1 | 0.11 | | | | | |
| 22468+4420 | HER5BC | 2015.806 | 1 | 1.193 | 0.013 | 253.2* | 1.2 | | | | | | |
| 22470+4446 | A189AB | 2015.943 | 1 | 1.018 | 0.018 | 26.9* | 0.9 | | | | | | |
| 22470+4446 | A189AB | 2015.943 | 1 | 1.010 | 0.007 | 26.5* | 0.3 | 0.21 | | | | | |
| 22485+3106 | BU1146 | 2015.872 | 1 | 0.176 | 0.052 | 71.4* | 5.6 | | | Doc2017i | -0.06 | 0.6 | 3 |
| 22485+3106 | BU1146 | 2015.872 | 1 | 0.241 | 0.057 | 75.0* | 4.3 | | | Doc2017i | 0.01 | 4.2 | 3 |
| 22492+3310 | ES2272 | 2015.853 | 1 | 2.082 | 0.013 | 23.6* | 0.3 | | | | | | |
| 22492+3310 | ES2272 | 2015.853 | 1 | 2.073 | 0.041 | 23.6* | 0.9 | 0.42 | | | | | |
| 22494+2801 | HO190 | 2015.880 | 1 | 2.200 | 0.036 | 155.1* | 0.3 | | | | | | |
| 22494+2801 | HO190 | 2015.880 | 1 | 2.199 | 0.011 | 154.9* | 0.3 | 0.29 | | | | | |
| 22495+2248 | COU236 | 2015.784 | 1 | 2.159 | 0.023 | 5.5* | 0.6 | | | | | | |
| 22495+2248 | COU236 | 2015.784 | 1 | 2.169 | 0.013 | 5.1* | 0.3 | 1.29 | | | | | |
| 22497+5007 | COU2663 | 2015.872 | 1 | 0.652 | 0.011 | 112.7* | 0.8 | | | | | | |
| 22497+5007 | COU2663 | 2015.872 | 1 | 0.636 | 0.007 | 113.0* | 0.6 | | | | | | |
| 22500+3600 | HEI827 | 2015.853 | 1 | 2.680 | 0.027 | 103.8* | 0.8 | 1.20 | | | | | |
| 22500+3600 | HEI827 | 2015.853 | 1 | 2.655 | 0.034 | 103.8* | 0.7 | | | | | | |
| 22503+2432 | BU846 | 2015.828 | 1 | 1.918 | 0.010 | 87.0 | 0.4 | | | | | | |
| 22503+2432 | BU846 | 2015.828 | 1 | 1.872 | 0.036 | 86.4 | 1.0 | | | | | | |
| 22504+4157 | HDS3244 | 2015.784 | 1 | — | — | — | — | | NR | | | | |
| 22510+1118 | ROE131 | 2015.896 | 1 | 2.209 | 0.011 | 251.0* | 0.5 | 0.66 | | | | | |
| 22510+1118 | ROE131 | 2015.896 | 1 | 2.200 | 0.011 | 250.7* | 0.3 | | | | | | |
| 22514+2623 | HO482AB | 2015.935 | 1 | 0.538 | 0.007 | 16.9* | 0.8 | | | Pru2014 | -0.02 | 1.4 | 3 |
| 22514+2623 | HO482AB | 2015.935 | 1 | 0.538 | 0.011 | 16.3* | 1.2 | | | Pru2014 | -0.02 | 1.4 | 3 |
| 22518+3943 | HO298 | 2015.943 | 1 | — | — | — | — | | NR | | | | |
| 22526+4857 | ES854 | 2015.833 | 1 | 2.497 | 0.013 | 91.2 | 0.3 | | | | | | |
| 22526+4857 | ES854 | 2015.833 | 1 | 2.483 | 0.015 | 91.4 | 0.3 | | | | | | |
| 22530+4411 | ES1472 | 2015.828 | 1 | 2.438 | 0.046 | 34.8* | 0.5 | 2.98 | | | | | |
| 22530+4411 | ES1472 | 2015.828 | 1 | 2.424 | 0.012 | 34.9* | 0.3 | | | | | | |
| 22535+6607 | MLR86Aa,Ab | 2015.847 | 1 | 0.489 | 0.011 | 212.8* | 1.0 | | | | | | |
| 22535+6607 | MLR86Aa,Ab | 2015.847 | 1 | 0.489 | 0.007 | 212.3* | 1.8 | 0.46 | | | | | |
| 22536+3756 | RUC15AB | 2015.896 | 1 | 1.666 | 0.012 | 78.6 | 0.6 | | | | | | |
| 22536+3756 | RUC15AB | 2015.896 | 1 | 1.661 | 0.013 | 78.9 | 0.8 | | | | | | |
| 22537+4445 | BU382AB | 2015.828 | 1 | 0.698 | 0.007 | 241.1* | 0.9 | | | Sca2014a | -0.00 | -0.7 | 2 |
| 22537+4445 | BU382AB | 2015.828 | 1 | 0.700 | 0.015 | 242.2* | 0.8 | | | Sca2014a | -0.00 | 0.4 | 2 |
| 22539+1820 | J619AB | 2015.806 | 1 | 2.320 | 0.012 | 222.8* | 0.4 | | | | | | |
| 22539+1820 | J619AB | 2015.806 | 1 | 2.328 | 0.012 | 222.8* | 0.4 | 0.63 | | | | | |
| 22545+1517 | HEI193AB | 2015.872 | 1 | 0.953 | 0.007 | 211.1* | 0.4 | | | | | | |
| 22545+1517 | HEI193AB | 2015.872 | 1 | 0.956 | 0.007 | 211.0* | 0.5 | 0.53 | | | | | |
| 22546+1817 | J620 | 2015.784 | 1 | 2.345 | 0.030 | 77.9* | 0.8 | 0.43 | | | | | |
| 22546+1817 | J620 | 2015.784 | 1 | 2.339 | 0.032 | 78.7* | 0.5 | | | | | | |
| 22550+4842 | ES855 | 2015.833 | 1 | 2.812 | 0.014 | 229.3* | 0.4 | 0.46 | | | | | |
| 22550+4842 | ES855 | 2015.833 | 1 | 2.768 | 0.035 | 228.6* | 0.4 | | | | | | |
| 22551+4427 | HDS3260 | 2015.943 | 1 | — | — | — | — | | NR | | | | |
| 22557+1547 | HU987 | 2015.806 | 1 | 1.203 | 0.008 | 76.3* | 0.3 | | | Izm2019 | 0.02 | 0.3 | 3 |
| 22557+1547 | HU987 | 2015.806 | 1 | 1.207 | 0.008 | 75.6* | 0.5 | 1.99 | | Izm2019 | 0.02 | -0.4 | 3 |
| 22562+7250 | STT484AB | 2015.847 | 1 | 0.339 | 0.014 | 101.0* | 0.5 | | | Sca2014a | 0.01 | 4.2 | 3 |
| 22562+7250 | STT484AB | 2015.847 | 1 | 0.329 | 0.020 | 101.0* | 1.3 | | | Sca2014a | 0.00 | 4.2 | 3 |
| 22564+2257 | COU240 | 2015.935 | 1 | 0.791 | 0.017 | 294.5* | 0.6 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ ($''$) | $\Delta\theta(O-C)$ ($^\circ$) | Grade |
|------------|-------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|-------------------------------|-------------------------------------|-------|
| 22564+2257 | COU240 | 2015.935 | 1 | 0.784 | 0.021 | 294.1* | 0.5 | | | | | | |
| 22564+4443 | COU2144 | 2015.806 | 1 | 0.999 | 0.007 | 335.9* | 0.3 | | | | | | |
| 22564+4443 | COU2144 | 2015.806 | 1 | 0.994 | 0.007 | 336.2* | 0.5 | 0.12 | | | | | |
| 22569+3935 | COU1841AB | 2015.872 | 1 | 1.656 | 0.011 | 228.9* | 0.8 | | | | | | |
| 22569+3935 | COU1841AB | 2015.872 | 1 | 1.655 | 0.008 | 229.1* | 0.6 | | | | | | |
| 22569+3935 | GII89Aa,Ab | 2015.872 | 1 | 0.187 | 0.044 | 266.7 | 6.5 | | | | | | |
| 22569+3935 | GII89Aa,Ab | 2015.872 | 1 | 0.210 | 0.011 | 261.8 | 3.8 | | | | | | |
| 22570+2441 | COU542Aa,Ab | 2015.765 | 1 | 0.162 | 0.047 | 139.5* | 7.2 | | | Doc2016b | 0.04 | 12.4 | 2 |
| 22570+2441 | COU542Aa,Ab | 2015.880 | 1 | 0.154 | 0.031 | 141.9* | 7.0 | | | Doc2016b | 0.03 | 12.4 | 2 |
| 22574+1958 | COU334 | 2015.943 | 1 | 1.148 | 0.007 | 256.0* | 0.6 | | | | | | |
| 22574+1958 | COU334 | 2015.943 | 1 | 1.134 | 0.009 | 256.1* | 0.3 | | | | | | |
| 22579+1337 | HU989 | 2015.896 | 1 | 0.249 | 0.013 | 70.5* | 1.8 | | | Hei1998 | 0.08 | 7.5 | 4 |
| 22579+1337 | HU989 | 2015.896 | 1 | 0.211 | 0.024 | 72.8* | 1.9 | 0.47 | | Hei1998 | 0.04 | 9.8 | 4 |
| 22586+0921 | STT536AB | 2015.896 | 1 | 0.162 | 0.007 | 168.9 | 1.2 | | | Sod1999 | 0.03 | -1.0 | 2 |
| 22587+2611 | COU543 | 2015.806 | 1 | 0.223 | 0.087 | 66.3 | 6.5 | | | BAE2021 | 0.06 | -0.9 | 5 |
| 22587+2611 | COU543 | 2015.806 | 1 | 0.127 | 0.086 | 69.7 | 7.3 | | | BAE2021 | -0.03 | 2.5 | 5 |
| 22592+1144 | STT483 | 2015.935 | 1 | 0.465 | 0.008 | 20.3* | 1.2 | | | Alz2020 | 0.00 | 2.6 | 3 |
| 22592+1144 | STT483 | 2015.935 | 1 | 0.476 | 0.010 | 19.9* | 1.6 | | | Alz2020 | 0.01 | 2.2 | 3 |
| 22595+4355 | COU2146AB | 2015.765 | 1 | 3.593 | 0.018 | 325.2 | 0.3 | | | | | | |
| 22595+4355 | COU2146AB | 2015.765 | 1 | 3.632 | 0.018 | 325.1 | 0.3 | | | | | | |
| 23020+4800 | A194 | 2015.880 | 1 | 0.156 | 0.042 | 299.8 | 8.6 | | | Doc2017e | 0.08 | 23.9 | 3 |
| 23020+4800 | A194 | 2015.880 | 1 | 0.113 | 0.042 | 289.1 | 8.3 | | | Doc2017e | 0.04 | 13.2 | 3 |
| 23022+1832 | HDS3279AB | 2015.935 | 1 | 1.672 | 0.008 | 163.8* | 0.3 | | | | | | |
| 23022+1832 | HDS3279AB | 2015.935 | 1 | 1.665 | 0.008 | 163.8 | 0.3 | | | | | | |
| 23024+6413 | MLR69AC | 2015.656 | 1 | 1.494 | 0.007 | 164.8* | 0.3 | | | NDg | | | |
| 23024+6413 | MLR69AB | 2015.847 | 1 | 0.241 | 0.014 | 129.0 | 0.6 | | | | | | |
| 23026+4143 | ES1595 | 2015.943 | 1 | 2.505 | 0.021 | 340.1* | 0.3 | 0.16 | | | | | |
| 23026+4143 | ES1595 | 2015.943 | 1 | 2.515 | 0.015 | 340.2* | 0.3 | | | | | | |
| 23026+4245 | BU1147AG | 2015.765 | 1 | 2.072 | 0.010 | 115.9 | 0.3 | | | NDp | | | |
| 23026+4245 | BU1147AG | 2015.765 | 1 | 2.078 | 0.011 | 116.3 | 0.9 | | | NDp | | | |
| 23026+4245 | BU1147AF | 2015.765 | 1 | 2.199 | 0.011 | 104.2 | 0.3 | | | NDp | | | |
| 23026+4245 | BU1147AF | 2015.765 | 1 | 2.190 | 0.011 | 104.3 | 0.3 | | | NDp | | | |
| 23026+4245 | BU1147AE | 2015.765 | 1 | 0.742 | 0.007 | 123.1 | 0.3 | | | NDp | | | |
| 23026+4245 | BU1147AE | 2015.765 | 1 | 0.745 | 0.008 | 122.4 | 0.8 | | | NDp | | | |
| 23033+1129 | ROE132AB | 2015.896 | 1 | 1.145 | 0.012 | 71.9 | 0.4 | | | | | | |
| 23033+1129 | ROE132AB | 2015.896 | 1 | 1.143 | 0.007 | 71.1* | 0.4 | 0.98 | | | | | |
| 23033+1129 | GII71Aa,Ab | 2015.896 | 1 | 0.136 | 0.022 | 216.8* | 1.9 | | | | | | |
| 23033+1129 | GII71Aa,Ab | 2015.896 | 1 | 0.235 | 0.007 | 200.6* | 1.3 | | | | | | |
| 23037+2954 | HO193AB | 2015.806 | 1 | 2.605 | 0.013 | 173.5* | 0.3 | | | | | | |
| 23037+2954 | HO193AB | 2015.806 | 1 | 2.601 | 0.013 | 173.4* | 0.3 | | | | | | |
| 23043+3744 | COU1197 | 2015.784 | 1 | 0.432 | 0.009 | 164.4 | 0.8 | | | | | | |
| 23043+3744 | COU1197 | 2015.784 | 1 | 0.421 | 0.007 | 163.3* | 0.4 | 1.38 | | | | | |
| 23047+2355 | POU5775 | 2013.925 | 5 | 9.587 | 0.048 | 306.0 | 0.3 | 0.14 | | | | | |
| 23048+6405 | MLR70 | 2015.847 | 1 | 0.560 | 0.010 | 248.6* | 0.4 | | | | | | |
| 23048+6405 | MLR70 | 2015.847 | 1 | 0.537 | 0.010 | 248.2* | 0.9 | | | | | | |
| 23055+4643 | A196 | 2015.880 | 1 | 0.468 | 0.007 | 311.9* | 0.8 | | | | | | |
| 23055+4643 | A196 | 2015.880 | 1 | 0.474 | 0.013 | 312.6* | 1.1 | | | | | | |
| 23060+4219 | WOR13 | 2015.765 | 1 | 0.683 | 0.015 | 138.6* | 0.5 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 23060+4219 | WOR13 | 2015.765 | 1 | 0.673 | 0.010 | 138.2* | 0.8 | 0.80 | | | | | |
| 23064+1235 | HDS3291Aa,Ab | 2015.943 | 1 | 0.480 | 0.027 | 332.0* | 0.8 | | | | | | |
| 23064+1235 | HDS3291Aa,Ab | 2015.943 | 1 | 0.454 | 0.030 | 332.2* | 1.1 | 0.56 | | | | | |
| 23071+7835 | MLR269 | 2015.847 | 1 | 1.407 | 0.009 | 138.7* | 0.5 | | | | | | |
| 23071+7835 | MLR269 | 2015.847 | 1 | 1.399 | 0.010 | 137.9* | 0.3 | 2.77 | | | | | |
| 23074+2347 | POU5778 | 2013.925 | 5 | 7.269 | 0.042 | 358.1 | 0.3 | 2.68 | | | | | |
| 23077+4436 | COU1843 | 2015.853 | 1 | 1.147 | 0.015 | 281.1* | 0.6 | | | | | | |
| 23077+4436 | COU1843 | 2015.853 | 1 | 1.140 | 0.007 | 282.4* | 1.8 | | | | | | |
| 23087+1533 | HU995 | 2015.943 | 1 | 0.830 | 0.007 | 198.6* | 0.3 | | | | | | |
| 23087+1533 | HU995 | 2015.943 | 1 | 0.827 | 0.008 | 198.3* | 1.1 | 1.64 | | | | | |
| 23091+0955 | HEI605AB | 2015.896 | 1 | 2.576 | 0.013 | 68.3* | 0.3 | 2.61 | | | | | |
| 23091+0955 | HEI605AB | 2015.896 | 1 | 2.588 | 0.013 | 68.4* | 0.3 | | | | | | |
| 23100+4758 | MET95DF | 2015.880 | 1 | — | — | — | — | | NR | | | | |
| 23102+3540 | COU1198 | 2015.765 | 1 | 0.495 | 0.010 | 258.0* | 1.4 | 0.95 | | | | | |
| 23102+3540 | COU1198 | 2015.765 | 1 | 0.494 | 0.007 | 258.4* | 1.1 | | | | | | |
| 23109+4428 | COU4 | 2015.853 | 1 | 1.737 | 0.013 | 246.8* | 0.7 | | | | | | |
| 23109+4428 | COU4 | 2015.853 | 1 | 1.735 | 0.012 | 246.8* | 0.6 | | | | | | |
| 23111+4426 | J858 | 2015.853 | 1 | 3.973 | 0.020 | 196.2* | 0.3 | 2.71 | LY | | | | |
| 23113+2429 | POU5786 | 2013.925 | 5 | 7.479 | 0.042 | 60.7 | 0.3 | 2.87 | | | | | |
| 23114+3813 | HO197AB | 2015.765 | 1 | — | — | — | — | | NR | | | | |
| 23117+3730 | A1480 | 2015.828 | 1 | 0.774 | 0.010 | 222.7* | 0.5 | | | | | | |
| 23117+3730 | A1480 | 2015.828 | 1 | 0.761 | 0.009 | 222.7* | 0.9 | 1.70 | | | | | |
| 23119+3619 | J623 | 2015.784 | 1 | 2.382 | 0.022 | 236.3* | 0.5 | | | | | | |
| 23119+3619 | J623 | 2015.784 | 1 | 2.388 | 0.012 | 236.4* | 0.3 | 0.48 | | | | | |
| 23121+0853 | J670 | 2015.896 | 1 | 2.166 | 0.011 | 194.1* | 0.3 | 2.88 | | | | | |
| 23121+0853 | J670 | 2015.896 | 1 | 2.178 | 0.013 | 193.9* | 0.3 | | | | | | |
| 23133+2205 | STF2990AB | 2015.828 | 1 | 2.618 | 0.018 | 237.0* | 0.6 | 0.02 | | | | | |
| 23133+2205 | STF2990AB | 2015.828 | 1 | 2.581 | 0.024 | 236.0* | 0.3 | | | | | | |
| 23137+2959 | MLB587 | 2015.943 | 1 | 1.630 | 0.024 | 296.1* | 0.8 | 0.18 | | | | | |
| 23137+2959 | MLB587 | 2015.943 | 1 | 1.654 | 0.038 | 297.1* | 0.9 | | | | | | |
| 23148+2447 | J624 | 2015.896 | 1 | 2.814 | 0.014 | 16.7* | 0.4 | | | | | | |
| 23148+2447 | J624 | 2015.896 | 1 | 2.798 | 0.014 | 16.3* | 0.4 | 0.08 | | | | | |
| 23175+1652 | HLD171A,BC | 2015.935 | 1 | 2.173 | 0.011 | 24.4* | 0.3 | | | | | | |
| 23175+1652 | HLD171A,BC | 2015.935 | 1 | 2.170 | 0.011 | 24.2* | 0.3 | | | | | | |
| 23175+1652 | HU497BD | 2015.061 | 1 | 0.486 | 0.015 | 86.3 | 2.3 | | NDp | | | | |
| 23175+1652 | HU497BD | 2015.061 | 1 | 0.481 | 0.007 | 86.9 | 0.5 | | NDp | | | | |
| 23175+1652 | HU497BD | 2015.061 | 1 | 0.466 | 0.007 | 87.1 | 0.3 | | NDp | | | | |
| 23175+1652 | HU497BC | 2015.935 | 1 | — | — | — | — | | NR | | | | |
| 23179+4052 | ES1704 | 2015.806 | 1 | 2.418 | 0.018 | 333.8* | 1.3 | | | | | | |
| 23179+4052 | ES1704 | 2015.806 | 1 | 2.424 | 0.018 | 334.8 | 1.3 | 3.05 | | | | | |
| 23188+7025 | HDS3320 | 2015.847 | 1 | 1.017 | 0.021 | 308.2* | 1.0 | | | | | | |
| 23188+7025 | HDS3320 | 2015.847 | 1 | 1.027 | 0.007 | 307.9* | 0.7 | | | | | | |
| 23190+4726 | A639 | 2015.872 | 1 | 0.807 | 0.019 | 104.4* | 1.6 | | | | | | |
| 23190+4726 | A639 | 2015.872 | 1 | 0.798 | 0.007 | 103.8* | 0.6 | 0.75 | | | | | |
| 23195+4225 | COU1645 | 2015.828 | 1 | 0.741 | 0.008 | 76.3* | 0.7 | 1.45 | | | | | |
| 23195+4225 | COU1645 | 2015.828 | 1 | 0.734 | 0.013 | 76.7* | 0.3 | | | | | | |
| 23196+2436 | POU5799 | 2013.925 | 5 | 7.102 | 0.042 | 205.8 | 0.3 | 0.35 | | | | | |
| 23199+2844 | COU439AB | 2015.765 | 1 | 0.123 | 0.036 | 4.0* | 7.2 | | | Doc2017e | -0.02 | -3.6 | 3 |
| 23199+3444 | COU742 | 2015.765 | 1 | 0.163 | 0.007 | 29.7* | 7.7 | | | | | | |
| 23199+3444 | COU742 | 2015.765 | 1 | 0.162 | 0.014 | 30.8* | 7.8 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 23200+2612 | COU336 | 2015.828 | 1 | 1.582 | 0.008 | 359.4* | 0.3 | 0.49 | | | | | |
| 23200+2612 | COU336 | 2015.828 | 1 | 1.587 | 0.017 | 359.3* | 0.3 | | | | | | |
| 23204+7240 | MLR272 | 2015.847 | 1 | 0.705 | 0.007 | 59.3 | 1.2 | | | | | | |
| 23204+7240 | MLR272 | 2015.847 | 1 | 0.711 | 0.007 | 61.4 | 0.6 | | | | | | |
| 23207+3855 | COU1494 | 2015.943 | 1 | 1.896 | 0.025 | 332.4* | 0.3 | 2.20 | | | | | |
| 23207+3855 | COU1494 | 2015.943 | 1 | 1.891 | 0.009 | 332.6* | 0.3 | | | | | | |
| 23207+3855 | COU1494 | 2015.943 | 1 | 1.901 | 0.021 | 332.2* | 0.3 | | | | | | |
| 23207+2520 | POU5803 | 2013.925 | 5 | 5.376 | 0.042 | 208.8 | 0.3 | 0.83 | | | | | |
| 23209+1643 | HEI88 | 2015.896 | 1 | 0.207 | 0.031 | 192.6* | 7.6 | 0.50 | | Cve2011a | -0.04 | 0.9 | 3 |
| 23209+1643 | HEI88 | 2015.896 | 1 | 0.249 | 0.030 | 192.7* | 7.0 | 0.50 | | Cve2011a | 0.00 | 1.0 | 3 |
| 23212+4219 | COU1647 | 2015.806 | 1 | 1.117 | 0.011 | 184.2* | 0.3 | 1.92 | | | | | |
| 23212+4219 | COU1647 | 2015.806 | 1 | 1.124 | 0.007 | 184.6* | 0.3 | | | | | | |
| 23218+1151 | ROE135 | 2015.943 | 1 | 1.255 | 0.018 | 141.0* | 0.7 | | | | | | |
| 23218+1151 | ROE135 | 2015.943 | 1 | 1.255 | 0.011 | 139.8* | 0.3 | 0.35 | | | | | |
| 23225+3554 | COU1345 | 2015.806 | 1 | 2.414 | 0.012 | 225.7* | 0.3 | | | | | | |
| 23225+3554 | COU1345 | 2015.806 | 1 | 2.396 | 0.020 | 225.8* | 1.1 | | | | | | |
| 23228+2455 | POU5806 | 2013.922 | 5 | 8.810 | 0.042 | 143.7 | 0.3 | 1.32 | | | | | |
| 23228+2455 | POU5806 | 2013.917 | 5 | 8.847 | 0.042 | 143.9 | 1.3 | 1.32 | | | | | |
| 23228+2322 | AZC129AB | 2013.922 | 5 | 13.903 | 0.186 | 180.9 | 0.3 | 3.98 | | | | | |
| 23228+2322 | AZC129AB | 2013.922 | 5 | 14.267 | 0.262 | 180.9 | 1.3 | 3.98 | | | | | |
| 23228+2322 | AZC129AC | 2013.922 | 1 | 22.861 | 0.027 | 207.3 | 1.3 | 4.69 | NDp | | | | |
| 23237+3739 | A1483 | 2015.935 | 1 | 0.553 | 0.007 | 325.8* | 0.4 | | | | | | |
| 23237+3739 | A1483 | 2015.935 | 1 | 0.564 | 0.009 | 326.0* | 0.5 | | | | | | |
| 23241+5732 | STT495 | 2015.847 | 1 | 0.367 | 0.025 | 124.6* | 2.0 | | | Alz2006 | -0.02 | 2.5 | 4 |
| 23241+5732 | STT495 | 2015.847 | 1 | 0.378 | 0.022 | 125.1* | 1.9 | | | Alz2006 | -0.01 | 3.0 | 4 |
| 23245+5926 | MLR442 | 2015.847 | 1 | 0.650 | 0.015 | 170.6* | 0.8 | 0.36 | | | | | |
| 23245+5926 | MLR442 | 2015.847 | 1 | 0.642 | 0.011 | 170.2* | 0.9 | | | | | | |
| 23250+2656 | ES546 | 2015.872 | 1 | 2.396 | 0.016 | 165.2* | 0.3 | 1.74 | | | | | |
| 23250+2656 | ES546 | 2015.872 | 1 | 2.396 | 0.016 | 165.5* | 0.4 | | | | | | |
| 23258+1020 | LDS5085 | 2015.896 | 1 | 2.528 | 0.013 | 213.6* | 0.3 | 3.59 | | | | | |
| 23263+3903 | LDS5087 | 2015.872 | 1 | 2.970 | 0.234 | 154.0 | 6.0 | | | | | | |
| 23263+3903 | LDS5087 | 2015.872 | 1 | 2.983 | 0.015 | 157.7 | 0.3 | | | | | | |
| 23263+4309 | BKO897BD | 2015.853 | 1 | 3.511 | 0.032 | 213.1* | 0.9 | | | | | | |
| 23263+4309 | BKO897BD | 2015.853 | 1 | 3.435 | 0.058 | 212.6* | 1.7 | 0.97 | | | | | |
| 23272+3026 | POP21 | 2015.943 | 1 | 0.794 | 0.009 | 211.3* | 0.6 | | | | | | |
| 23272+3026 | POP21 | 2015.943 | 1 | 0.790 | 0.013 | 211.4* | 0.9 | 0.08 | | | | | |
| 23273+0926 | ROE103 | 2015.896 | 1 | 2.272 | 0.011 | 129.9* | 0.3 | | | | | | |
| 23273+0926 | ROE103 | 2015.896 | 1 | 2.285 | 0.022 | 129.8* | 0.3 | 2.01 | | | | | |
| 23274+6123 | MLR684 | 2015.847 | 1 | — | — | — | — | | NR | | | | |
| 23276+1638 | STF3013Ca,Cb | 2015.935 | 1 | 0.294 | 0.009 | 36.2 | 1.8 | | NDp | | | | |
| 23276+1638 | STF3013Ca,Cb | 2015.935 | 1 | 0.299 | 0.007 | 33.5 | 2.6 | | NDp | | | | |
| 23276+1638 | STF3013CD | 2015.935 | 1 | 3.210 | 0.016 | 276.9* | 0.3 | | | | | | |
| 23276+1638 | STF3013CD | 2015.935 | 1 | 3.206 | 0.016 | 277.1* | 0.3 | | | | | | |
| 23276+1638 | STF3012AB | 2015.935 | 1 | 2.855 | 0.014 | 190.4* | 0.3 | | | | | | |
| 23276+1638 | STF3012AB | 2015.935 | 1 | 2.866 | 0.014 | 190.6* | 0.3 | 1.65 | | | | | |
| 23276+6034 | MLR20 | 2015.847 | 1 | 0.390 | 0.016 | 194.6* | 1.4 | | | | | | |
| 23276+6034 | MLR20 | 2015.847 | 1 | 0.402 | 0.007 | 194.5* | 0.6 | | | | | | |
| 23288+4225 | COU1847 | 2015.765 | 1 | — | — | — | — | | NR | | | | |
| 23288+2525 | POU5813 | 2013.922 | 5 | 8.342 | 0.042 | 306.0 | 2.3 | 0.28 | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ (") | $\Delta\theta(\text{O-C})$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|---------------------------------|-----------------------------------|-------|
| 23298+4117 | HEI885 | 2015.935 | 1 | 2.296 | 0.015 | 220.0* | 0.3 | | | | | | |
| 23298+4117 | HEI885 | 2015.935 | 1 | 2.313 | 0.012 | 220.1* | 0.5 | 0.97 | | | | | |
| 23301+3337 | ES2206 | 2015.880 | 1 | 2.263 | 0.022 | 350.9* | 0.4 | 1.09 | | | | | |
| 23301+3337 | ES2206 | 2015.880 | 1 | 2.287 | 0.013 | 351.4* | 0.5 | | | | | | |
| 23304+3050 | BU1266AB | 2015.943 | 1 | 0.193 | 0.077 | 164.8 | 6.9 | | | Msn1998c | 0.04 | 9.4 | 2 |
| 23304+3050 | BU1266AB | 2015.943 | 1 | 0.120 | 0.077 | 156.1 | 7.5 | | | Msn1998c | -0.03 | 0.7 | 2 |
| 23307+3930 | ES267 | 2015.880 | 1 | 2.784 | 0.019 | 177.7* | 0.5 | 1.69 | | | | | |
| 23307+3930 | ES267 | 2015.880 | 1 | 2.764 | 0.020 | 177.8* | 0.7 | | | | | | |
| 23309+3920 | COU1348 | 2015.765 | 1 | 0.148 | 0.074 | 206.4* | 6.7 | | | | | | |
| 23309+3920 | COU1348 | 2015.765 | 1 | 0.206 | 0.077 | 201.3* | 6.3 | | | | | | |
| 23310+0744 | YSC76 | 2015.403 | 1 | 0.410 | 0.007 | 155.7 | 0.3 | 2.27 | | | | | |
| 23311+1818 | COU339AB | 2015.828 | 1 | 2.097 | 0.010 | 82.5 | 0.3 | | | | | | |
| 23311+1818 | COU339AB | 2015.828 | 1 | 2.148 | 0.024 | 82.4 | 0.6 | | | | | | |
| 23311+1818 | COU339Aa,Ab | 2015.828 | 1 | 0.303 | 0.010 | 43.8 | 1.0 | | | NDp | | | |
| 23311+1818 | COU339Aa,Ab | 2015.828 | 1 | 0.269 | 0.024 | 44.9 | 1.9 | | | NDp | | | |
| 23311+1847 | STF3020AB | 2015.828 | 1 | 2.252 | 0.011 | 98.3* | 0.3 | 2.00 | | | | | |
| 23311+1847 | STF3020AB | 2015.828 | 1 | 2.248 | 0.027 | 98.2* | 0.4 | | | | | | |
| 23311+1847 | STF3020Aa,Ab | 2015.828 | 1 | 0.271 | 0.007 | 42.5 | 1.9 | | | NDp | | | |
| 23311+1847 | STF3020Aa,Ab | 2015.828 | 1 | 0.309 | 0.011 | 44.2 | 0.6 | | | NDp | | | |
| 23318+2148 | COU243 | 2015.880 | 1 | 0.900 | 0.035 | 343.9* | 0.6 | | | | | | |
| 23318+2148 | COU243 | 2015.880 | 1 | 0.908 | 0.028 | 343.7* | 0.7 | 3.22 | | | | | |
| 23319+2340 | POU5821 | 2013.925 | 5 | 7.331 | 0.042 | 43.1 | 6.3 | 1.99 | | | | | |
| 23326+3011 | MLB628 | 2015.872 | 1 | 1.765 | 0.015 | 323.9* | 0.3 | 0.15 | | | | | |
| 23326+3011 | MLB628 | 2015.872 | 1 | 1.782 | 0.032 | 323.5* | 0.4 | | | | | | |
| 23327+3854 | COU1349 | 2015.943 | 1 | 1.686 | 0.030 | 27.6* | 0.7 | | | | | | |
| 23327+3854 | COU1349 | 2015.943 | 1 | 1.713 | 0.015 | 28.1* | 0.3 | 0.01 | | | | | |
| 23333+3629 | COU844 | 2015.828 | 1 | 2.456 | 0.012 | 234.8* | 0.3 | 1.04 | | | | | |
| 23333+3629 | COU844 | 2015.872 | 1 | 2.458 | 0.013 | 233.8* | 0.3 | 0.53 | | | | | |
| 23334+4251 | HDS3356 | 2015.765 | 1 | — | — | — | — | | | NR | | | |
| 23340+3120 | BU720 | 2015.765 | 1 | 0.567 | 0.021 | 104.5* | 0.6 | | | Mut2010e | -0.01 | 0.1 | 4 |
| 23340+3120 | BU720 | 2015.765 | 1 | 0.573 | 0.007 | 105.0 | 1.4 | | | Mut2010e | 0.00 | 0.6 | 4 |
| 23345+2703 | COU440 | 2015.967 | 1 | 1.815 | 0.010 | 235.8* | 0.3 | | | | | | |
| 23345+2703 | COU440 | 2015.967 | 1 | 1.816 | 0.013 | 236.1* | 0.8 | | | | | | |
| 23347+1914 | COU341 | 2015.935 | 1 | 0.790 | 0.008 | 120.7* | 1.6 | | | | | | |
| 23347+1914 | COU341 | 2015.935 | 1 | 0.797 | 0.016 | 119.7* | 0.3 | | | | | | |
| 23348+4325 | ES1473 | 2015.880 | 1 | 1.649 | 0.019 | 130.0* | 0.6 | | | | | | |
| 23348+4325 | ES1473 | 2015.880 | 1 | 1.637 | 0.031 | 130.9* | 0.5 | 1.06 | | | | | |
| 23357+4343 | COU2148 | 2015.872 | 1 | 0.952 | 0.010 | 250.5* | 1.6 | | | | | | |
| 23357+4343 | COU2148 | 2015.872 | 1 | 0.954 | 0.007 | 249.9* | 0.9 | 1.25 | | | | | |
| 23362+3226 | A1240 | 2015.967 | 1 | 2.092 | 0.012 | 350.7* | 0.3 | | | | | | |
| 23362+3226 | A1240 | 2015.967 | 1 | 2.091 | 0.013 | 351.1* | 0.5 | | | | | | |
| 23374+2604 | MLB728 | 2015.967 | 1 | 2.725 | 0.029 | 20.4* | 0.8 | 1.33 | | | | | |
| 23374+2604 | MLB728 | 2015.967 | 1 | 2.776 | 0.030 | 19.8* | 0.5 | | | | | | |
| 23375+3308 | COU745 | 2015.943 | 1 | 1.856 | 0.009 | 8.0* | 0.4 | 1.34 | | | | | |
| 23375+3308 | COU745 | 2015.943 | 1 | 1.857 | 0.009 | 8.0* | 0.5 | | | | | | |
| 23375+4426 | STF500AB | 2015.896 | 1 | 0.492 | 0.030 | 14.4* | 1.0 | 0.66 | | Zul1981 | 0.09 | -4.3 | 4 |
| 23375+4426 | STF500AB | 2015.896 | 1 | 0.473 | 0.007 | 14.5* | 0.7 | | | Zul1981 | 0.07 | -4.2 | 4 |
| 23383+7959 | MLR276 | 2015.847 | 1 | 0.311 | 0.057 | 281.9* | 2.5 | | | | | | |
| 23383+7959 | MLR276 | 2015.847 | 1 | 0.267 | 0.057 | 282.2* | 2.1 | | | | | | |
| 23386+1959 | COU342 | 2015.765 | 1 | 0.894 | 0.008 | 210.8* | 0.4 | 0.11 | | | | | |
| 23386+1959 | COU342 | 2015.765 | 1 | 0.892 | 0.007 | 211.0* | 0.9 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ (") | σ_ρ (") | θ (°) | σ_θ (°) | Δm | Notes | Orbit | $\Delta\rho(O-C)$ (") | $\Delta\theta(O-C)$ (°) | Grade |
|------------|--------------|----------|------|---------------|----------------------|-----------------|------------------------|------------|-------|----------|--------------------------|----------------------------|-------|
| 23401+1258 | HU1325 | 2015.896 | 1 | 0.871 | 0.014 | 35.4* | 1.3 | 0.24 | | Sca2023b | 0.00 | 0.3 | 5 |
| 23401+1258 | HU1325 | 2015.896 | 1 | 0.888 | 0.007 | 35.0* | 1.0 | | | Sca2023b | 0.02 | -0.1 | 5 |
| 23405+4954 | HU794 | 2015.880 | 1 | 2.697 | 0.013 | 67.3* | 0.4 | 4.35 | | | | | |
| 23405+4954 | HU794 | 2015.880 | 1 | 2.697 | 0.029 | 67.6* | 0.4 | | | | | | |
| 23411+4328 | COU1997 | 2015.806 | 1 | 1.139 | 0.007 | 10.6* | 0.3 | 2.61 | | | | | |
| 23411+4328 | COU1997 | 2015.806 | 1 | 1.139 | 0.007 | 10.6* | 0.3 | | | | | | |
| 23413+3234 | BU858AB | 2015.943 | 1 | 0.866 | 0.013 | 221.3* | 0.7 | 2.50 | | Izm2019 | 0.03 | 0.3 | 4 |
| 23413+3234 | BU858AB | 2015.943 | 1 | 0.892 | 0.013 | 220.9* | 0.3 | | | Izm2019 | 0.05 | -0.1 | 4 |
| 23420+2018 | STT503AB | 2015.943 | 1 | 1.032 | 0.018 | 134.1* | 0.5 | 1.93 | | | | | |
| 23420+2018 | STT503AB | 2015.943 | 1 | 1.044 | 0.012 | 134.2* | 0.6 | | | | | | |
| 23424+3903 | A1494 | 2015.935 | 1 | — | — | — | — | | NR | | | | |
| 23425+2125 | COU244 | 2015.765 | 1 | 2.508 | 0.013 | 258.4* | 0.5 | 1.28 | | | | | |
| 23425+2125 | COU244 | 2015.765 | 1 | 2.502 | 0.013 | 258.8* | 0.6 | | | | | | |
| 23431+1150 | A1242 | 2015.896 | 1 | 1.056 | 0.007 | 339.6* | 0.3 | 0.48 | | Izm2019 | 0.06 | 0.8 | 4 |
| 23431+1150 | A1242 | 2015.896 | 1 | 1.056 | 0.010 | 339.6* | 0.3 | | | Izm2019 | 0.06 | 0.8 | 4 |
| 23434+4430 | OL126 | 2015.935 | 1 | 2.184 | 0.023 | 320.2* | 0.3 | 0.07 | | | | | |
| 23434+4430 | OL126 | 2015.935 | 1 | 2.190 | 0.013 | 321.0* | 0.8 | | | | | | |
| 23439+2459 | POU5848 | 2013.925 | 5 | 5.284 | 0.042 | 329.1 | 0.3 | 1.05 | | | | | |
| 23440+2922 | AGC14 | 2015.806 | 1 | 0.852 | 0.013 | 283.7* | 1.6 | | | Izm2019 | 0.13 | -5.3 | |
| 23440+2922 | AGC14 | 2015.806 | 1 | 0.834 | 0.014 | 282.6* | 0.7 | | | Izm2019 | 0.11 | -6.4 | |
| 23449+1327 | HDS3375 | 2015.935 | 1 | 2.948 | 0.021 | 306.9* | 0.3 | | | | | | |
| 23449+1327 | HDS3375 | 2015.935 | 1 | 2.942 | 0.021 | 306.6* | 0.4 | | | | | | |
| 23449+1327 | HDS3375 | 2015.935 | 1 | 2.939 | 0.015 | 307.0* | 0.3 | | | | | | |
| 23449+1327 | HDS3375Aa,Ab | 2015.935 | 1 | 0.267 | 0.024 | 31.7 | 2.5 | | NDp | | | | |
| 23449+1327 | HDS3375Aa,Ab | 2015.935 | 1 | 0.283 | 0.024 | 28.7 | 1.7 | | NDp | | | | |
| 23454+2445 | POU5853 | 2013.925 | 5 | 6.079 | 0.042 | 60.2 | 0.3 | 1.65 | | | | | |
| 23455+2025 | STT505 | 2015.872 | 1 | 2.379 | 0.012 | 60.0* | 0.3 | | | | | | |
| 23455+2025 | STT505 | 2015.872 | 1 | 2.344 | 0.028 | 60.3* | 0.4 | | | | | | |
| 23461+4826 | COU2250 | 2015.828 | 1 | 2.407 | 0.012 | 6.3* | 0.3 | 0.92 | | | | | |
| 23461+4826 | COU2250 | 2015.828 | 1 | 2.376 | 0.038 | 6.1* | 0.5 | | | | | | |
| 23462+1454 | ROE104 | 2015.967 | 1 | 2.058 | 0.010 | 164.3* | 0.3 | 4.68 | | | | | |
| 23462+1454 | ROE104 | 2015.967 | 1 | 2.056 | 0.010 | 164.4* | 0.3 | | | | | | |
| 23467+4806 | COU2348 | 2015.880 | 1 | 0.962 | 0.007 | 71.7* | 0.8 | | | | | | |
| 23467+4806 | COU2348 | 2015.880 | 1 | 0.956 | 0.007 | 72.0* | 0.4 | | | | | | |
| 23469+3553 | COU845 | 2015.872 | 1 | 0.480 | 0.010 | 121.0* | 0.3 | 1.35 | | | | | |
| 23469+3553 | COU845 | 2015.872 | 1 | 0.503 | 0.007 | 121.1* | 0.4 | | | | | | |
| 23470+3538 | COU943Aa,Ab | 2015.943 | 1 | 1.014 | 0.008 | 101.3* | 0.5 | | | | | | |
| 23470+3538 | COU943Aa,Ab | 2015.943 | 1 | 1.012 | 0.009 | 101.6* | 0.5 | 0.10 | | | | | |
| 23472+3044 | A1244 | 2015.880 | 1 | 2.601 | 0.028 | 272.0* | 0.3 | | | | | | |
| 23472+3044 | A1244 | 2015.880 | 1 | 2.581 | 0.015 | 272.1* | 0.3 | | | | | | |
| 23485+3608 | COU944 | 2015.765 | 1 | 0.197 | 0.058 | 90.0 | 7.7 | | | | | | |
| 23485+3608 | COU944 | 2015.765 | 1 | 0.143 | 0.051 | 92.9 | 7.4 | | | | | | |
| 23486+3616 | B2547AB | 2015.765 | 1 | 0.143 | 0.033 | 63.6 | 7.4 | | | | | | |
| 23486+3616 | B2547AB | 2015.765 | 1 | 0.158 | 0.035 | 63.9 | 7.8 | | | | | | |
| 23487+3002 | COU644 | 2015.828 | 1 | 2.956 | 0.017 | 87.4* | 0.3 | 2.23 | | | | | |
| 23487+3002 | COU644 | 2015.828 | 1 | 2.959 | 0.020 | 87.5* | 0.3 | | | | | | |
| 23489+1109 | HEI414 | 2015.935 | 1 | 1.384 | 0.007 | 76.7* | 0.3 | | | | | | |
| 23489+1109 | HEI414 | 2015.935 | 1 | 1.385 | 0.007 | 76.9* | 0.5 | 1.64 | | | | | |
| 23493+6158 | MLR24AB | 2015.847 | 1 | 0.508 | 0.010 | 304.7* | 0.3 | | | | | | |
| 23493+6158 | MLR24AB | 2015.847 | 1 | 0.520 | 0.012 | 305.3* | 0.4 | 0.20 | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|--------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|----------|--------------------------------------|--|-------|
| 23498+2741 | A424 | 2015.943 | 1 | 0.146 | 0.035 | 174.0* | 3.9 | | | Sca2002b | -0.02 | 2.9 | 3 |
| 23502+1940 | COU344 | 2015.932 | 1 | 0.244 | 0.047 | 134.6 | 4.9 | | | Msn2001a | 0.12 | 14.5 ^Q | 5 |
| 23502+1940 | COU344 | 2015.932 | 1 | 0.193 | 0.040 | 135.1 | 4.4 | | | Msn2001a | 0.07 | 15.0 ^Q | 5 |
| 23502+1940 | COU344 | 2015.935 | 1 | 0.209 | 0.047 | 138.0 | 6.1 | | | Msn2001a | 0.08 | 17.9 ^Q | 5 |
| 23502+1940 | COU344 | 2015.935 | 1 | 0.207 | 0.047 | 139.8* | 4.2 | | | Msn2001a | 0.08 | 19.7 ^Q | 5 |
| 23504+2620 | COU545 | 2015.987 | 1 | 0.698 | 0.027 | 132.9 | 0.6 | | | | | | |
| 23504+2620 | COU545 | 2015.987 | 1 | 0.704 | 0.031 | 133.4 | 2.4 | | | | | | |
| 23504+3926 | COU1200 | 2015.967 | 1 | 1.703 | 0.021 | 175.4* | 0.3 | 0.53 | | | | | |
| 23504+3926 | COU1200 | 2015.967 | 1 | 1.708 | 0.025 | 175.1* | 0.3 | | | | | | |
| 23512+4847 | A795 | 2015.828 | 1 | 1.212 | 0.007 | 318.5* | 0.4 | | | | | | |
| 23512+4847 | A795 | 2015.828 | 1 | 1.212 | 0.007 | 318.2* | 0.3 | 1.56 | | | | | |
| 23515+2501 | POU5863 | 2013.925 | 5 | 8.138 | 0.042 | 232.9 | 0.3 | 1.40 | | | | | |
| 23516+2502 | POU5865 | 2013.925 | 5 | 5.721 | 0.042 | 352.6 | 0.3 | 0.52 | | | | | |
| 23519+2648 | MLB630 | 2015.853 | 1 | 1.979 | 0.035 | 294.5* | 0.4 | 2.67 | | | | | |
| 23519+2648 | MLB630 | 2015.853 | 1 | 1.975 | 0.018 | 295.1* | 0.8 | | | | | | |
| 23520+1252 | A1247 | 2015.896 | 1 | 0.429 | 0.044 | 255.2* | 1.6 | 0.04 | | USN2002 | 0.11 | 12.5 | 5 |
| 23520+1252 | A1247 | 2015.896 | 1 | 0.393 | 0.027 | 254.7* | 1.6 | | | USN2002 | 0.07 | 12.0 | 5 |
| 23524+6929 | MLR279 | 2015.847 | 1 | — | — | — | — | | NR | | | | |
| 23526+1057 | YSC17 | 2015.412 | 1 | 0.540 | 0.007 | 352.6 | 0.3 | 2.11 | | | | | |
| 23528+3841 | A1496AB | 2015.967 | 1 | 0.418 | 0.012 | 152.6* | 0.5 | 2.93 | | | | | |
| 23528+3841 | A1496AB | 2015.967 | 1 | 0.424 | 0.007 | 153.0* | 1.1 | | | | | | |
| 23538+2404 | COU443 | 2015.853 | 1 | 2.241 | 0.030 | 143.8* | 0.3 | 0.97 | | | | | |
| 23538+2404 | COU443 | 2015.853 | 1 | 2.241 | 0.011 | 144.0* | 0.3 | | | | | | |
| 23540+2522 | POU5870 | 2013.925 | 5 | 8.816 | 0.042 | 45.6 | 0.3 | 0.07 | | | | | |
| 23542+2443 | COU145 | 2015.853 | 1 | 2.509 | 0.055 | 147.8* | 0.3 | 1.59 | | | | | |
| 23542+2443 | COU145 | 2015.853 | 1 | 2.497 | 0.033 | 147.7* | 0.3 | | | | | | |
| 23550+2530 | POU5872 | 2013.925 | 5 | 9.192 | 0.042 | 144.0 | 0.3 | 0.53 | | | | | |
| 23551+7045 | A798 | 2015.847 | 1 | 0.601 | 0.018 | 19.5* | 1.2 | | | | | | |
| 23551+7045 | A798 | 2015.847 | 1 | 0.606 | 0.025 | 20.4* | 3.1 | 3.05 | | | | | |
| 23557+4318 | COU1498AB | 2015.872 | 1 | 0.192 | 0.039 | 186.0* | 5.6 | | | | | | |
| 23557+4318 | COU1498AB | 2015.872 | 1 | 0.168 | 0.049 | 190.8 | 5.7 | | | | | | |
| 23557+4318 | YSC231AB,C | 2015.872 | 1 | 1.291 | 0.027 | 349.7* | 0.7 | | | | | | |
| 23557+4318 | YSC231AB,C | 2015.872 | 1 | 1.276 | 0.019 | 349.2 | 0.6 | | | | | | |
| 23561+2327 | HU500 | 2015.897 | 1 | — | — | — | — | | NR | | | | |
| 23561+2520 | A426 | 2015.897 | 1 | 0.384 | 0.014 | 284.2* | 0.7 | 0.46 | | Sca2023b | 0.01 | -1.4 | 3 |
| 23561+2520 | A426 | 2015.897 | 1 | 0.387 | 0.027 | 283.5* | 1.8 | | | Sca2023b | 0.01 | -2.1 | 3 |
| 23573+2333 | POU5879 | 2013.922 | 5 | 3.120 | 0.042 | 13.4 | 0.3 | 0.37 | | | | | |
| 23579+4404 | ES1478 | 2015.828 | 1 | 1.608 | 0.008 | 1.6* | 0.3 | 1.60 | | | | | |
| 23579+4404 | ES1478 | 2015.828 | 1 | 1.595 | 0.009 | 0.5* | 0.3 | 1.60 | | | | | |
| 23584+1359 | HEI197 | 2015.943 | 1 | 0.624 | 0.008 | 292.1* | 2.1 | 0.05 | | | | | |
| 23584+1359 | HEI197 | 2015.943 | 1 | 0.631 | 0.016 | 292.8* | 1.1 | | | | | | |
| 23588+4454 | HDS3405AB | 2015.987 | 1 | 1.635 | 0.010 | 315.3* | 0.3 | | | | | | |
| 23588+4454 | HDS3405AB | 2015.987 | 1 | 1.636 | 0.013 | 315.4* | 0.3 | | | | | | |
| 23588+4454 | HDS3405Aa,Ab | 2015.987 | 1 | 0.327 | 0.007 | 33.9 | 2.2 | | NDp | | | | |
| 23588+4454 | HDS3405Aa,Ab | 2015.987 | 1 | 0.342 | 0.007 | 34.4 | 1.1 | | NDp | | | | |
| 23590+5315 | HLD59AB | 2015.847 | 1 | 1.193 | 0.010 | 12.5* | 0.4 | 0.71 | | | | | |
| 23590+5315 | HLD59AB | 2015.847 | 1 | 1.224 | 0.030 | 11.6* | 1.2 | | | | | | |
| 23591+3416 | HO206AB | 2015.880 | 1 | 2.058 | 0.010 | 192.7* | 0.4 | | | | | | |
| 23591+3416 | HO206AB | 2015.880 | 1 | 2.070 | 0.024 | 192.8* | 0.8 | | | | | | |

| WDS | Name | Epoch | Bin. | ρ ($''$) | σ_ρ ($''$) | θ ($^\circ$) | σ_θ ($^\circ$) | Δm | Notes | Orbit | $\Delta\rho(\text{O-C})$ ($''$) | $\Delta\theta(\text{O-C})$ ($^\circ$) | Grade |
|------------|------------|----------|------|--------------------|---------------------------|--------------------------|---------------------------------|------------|-------|---------|--------------------------------------|--|-------|
| 23591+3416 | HO206Aa,Ab | 2015.880 | 1 | 0.357 | 0.007 | 39.1 | 1.5 | | NDp | | | | |
| 23591+3416 | HO206Aa,Ab | 2015.880 | 1 | 0.363 | 0.007 | 41.3 | 1.6 | | NDp | | | | |
| 23595+3343 | STF3050AB | 2015.880 | 1 | 2.430 | 0.012 | 340.2* | 0.3 | 1.04 | | Izm2019 | 0.05 | 0.5 | 3 |
| 23595+3343 | STF3050AB | 2015.880 | 1 | 2.429 | 0.012 | 340.0* | 0.3 | | | Izm2019 | 0.05 | 0.5 | 3 |
| 23595+3842 | ES2542 | 2015.853 | 1 | 2.904 | 0.029 | 95.1 | 0.5 | | | | | | |
| 23595+3842 | ES2542 | 2015.853 | 1 | 2.897 | 0.034 | 94.4 | 0.6 | | | | | | |
| 23595+4436 | ES1356 | 2015.872 | 1 | 2.353 | 0.014 | 116.3* | 0.3 | | | | | | |
| 23595+4436 | ES1356 | 2015.872 | 1 | 2.344 | 0.036 | 116.1* | 0.4 | | | | | | |

Note: In column 7, the exponent * indicates that the position angle θ could be determined without the 180° ambiguity. In column 13, the superscript Q indicates that our θ measurement quadrant was not compatible with the quadrant used for computing the orbit.