

Wrong quadrant relative to WDS CHARA for 140308.ads5570_Rd.8_a (Q=2, WT=306.0)
Wrong quadrant relative to WDS CHARA for 280608.ads8804_Rd.8_a (Q=2, WT=12.0)
Wrong quadrant relative to WDS CHARA for 240808.ads10988_sfd.8_a (Q=2, WT=269.0)
Wrong quadrant relative to WDS CHARA for 280808.ads10945_sfd.8_a (Q=3, WT=24.0)
Wrong quadrant relative to WDS CHARA for 010908.ads11635Cc-D_Rd.8_a (Q=1, WT=348.0)
Wrong quadrant relative to WDS CHARA for 290908.ads11778_sfd.8_a (Q=3, WT=56.0)
Wrong quadrant relative to WDS CHARA for 191008.ads13269_Rd.8_a (Q=1, WT=239.0)
Wrong quadrant relative to WDS CHARA for 191108.ads15007_Rd.8_a (Q=1, WT=262.0)
Input file: astrom08_13nov09.tex
Number of objects: 237
Number of observations: 241 with 240 measurements and 1 cases of no detection
Quadrant was determined for 188 measurements (including 16 uncertain determinations)
Warning: 8 quadrant values are inconsistent with CHARA theta last measurements!
OK: 180 quadrant values are consistent with CHARA theta last measurements!
In column 9, * indicates that θ was determined with our quadrant value (or with the long integration)
In column 9, ! indicates that θ could not be determined neither with this value, nor with WDS CHARA last measurement

| WDS | Name | ADS | Epoch | Fil. | Eyep. (mm) | ρ (") | σ_ρ (") | θ ($^\circ$) | σ_θ ($^\circ$) | Notes | Orbit | $\Delta\rho(O-C)$ | $\Delta\theta(O-C)$ |
|------------|-----------|------|----------|------|---------------|---------------|----------------------|--------------------------|---------------------------------|-----------|----------|-------------------|---------------------|
| 00209+1059 | BU1093 | 287 | 2008.051 | R | 20 | 0.709 | 0.020 | 113.1* | 0.6 | | | | |
| 01007+0929 | STF82 | 835 | 2008.939 | W | 20 | 1.813 | 0.009 | 303.8* | 0.3 | | | | |
| 01030+4723 | STT21 | 862 | 2008.939 | R | 20 | 1.197 | 0.010 | 175.3* | 0.3 | | Hei1966 | 0.09 | -0.3 |
| 01097+2348 | BU303 | 955 | 2008.939 | R | 20 | 0.610 | 0.011 | 291.1 | 0.8 | | | | |
| 01106+4917 | COU2156 | — | 2008.939 | R | 20 | 0.479 | 0.015 | 164.5* | 0.6 | NF | | | |
| 02020+0246 | STF202 | 1615 | 2008.939 | R | 20 | 1.824 | 0.009 | 267.0* | 0.3 | | Sca1983f | 0.05 | 1.6 |
| 03344+2428 | STF412 | 2616 | 2008.939 | R | 10 | 0.719 | 0.005 | 353.4 | 0.6 | | Sca2002a | -0.01 | -0.3 |
| 05308+0557 | STF728 | 4115 | 2008.202 | R | 20 | 1.237 | 0.008 | 45.5* | 0.3 | | Sey1999b | -0.02 | 0.4 |
| 05371+2655 | STF749 | 4208 | 2008.202 | R | 20 | 1.149 | 0.008 | 141.0* | 0.4 | | Sca2007a | -0.01 | -180.5 |
| 06038+1816 | HDS824 | — | 2008.202 | R | 20 | 2.249 | 0.011 | 148.1* | 0.5 | | | | |
| 06149+2230 | BU1008 | 4841 | 2008.243 | V | 20 | 1.787 | 0.009 | 257.2* | 0.3 | | Baz1980a | 0.19 | 3.0 |
| 06152+0631 | A2717 | 4856 | 2008.243 | R | 20 | 0.565 | 0.016 | 353.9 | 4.5 | | | | |
| 06250+4233 | A2356 | 5016 | 2008.251 | R | 20 | 0.849 | 0.017 | 259.8 | 2.4 | | | | |
| 06396+2816 | STT152 | 5289 | 2008.202 | R | 20 | 0.851 | 0.008 | 35.7* | 0.5 | | | | |
| 06404+4058 | STF945 | 5296 | 2008.240 | R | 20 | 0.428 | 0.015 | 329.1* | 1.1 | | | | |
| 06452+3050 | STF957 | 5403 | 2008.251 | R | 20 | 3.922 | 0.056 | 88.5* | 1.2 | | | | |
| 06474+1812 | STT156 | 5447 | 2008.240 | R | 10 | 0.243 | 0.003 | 184.7 | 1.1 | | Sca2005a | -0.01 | 2.6 |
| 06531+5927 | STF963 | 5514 | 2008.202 | R | 10 | 0.225 | 0.004 | 331.2* | 1.2 | | Sca2008d | -0.02 | -0.1 |
| 06555+3010 | STF981 | 5570 | 2008.202 | R | 20 | 1.160 | 0.008 | 123.4* | 0.3 | | Hop1971 | 0.05 | -175.6 |
| 07057+5245 | STF1009 | 5746 | 2008.243 | R | 20 | 4.317 | 0.022 | 148.3* | 0.3 | | | | |
| 07128+2713 | STF1037 | 5871 | 2008.202 | R | 20 | 1.041 | 0.008 | 309.2 | 0.3 | | Sod1999 | -0.01 | -0.9 |
| 07176+0918 | STT170 | 5958 | 2008.202 | R | 10 | 0.229 | 0.005 | 355.8 | 1.5 | | Doc2007e | -0.02 | -1.2 |
| 07303+4959 | STF1093 | 6117 | 2008.202 | R | 20 | 0.901 | 0.009 | 203.5 | 1.8 | | Hrt2009 | 0.03 | 2.4 |
| 07345+1218 | STF1116 | 6180 | 2008.243 | R | 20 | 1.812 | 0.047 | 96.6* | 0.4 | | | | |
| 07346+3153 | STF1110 | 6175 | 2008.241 | R | 20 | 4.593 | 0.023 | 58.6* | 0.3 | | Doc1985c | 0.08 | 0.4 |
| 07359+4302 | STT174 | 6191 | 2008.252 | R | 20 | 2.193 | 0.012 | 87.6* | 0.3 | | | | |
| 07401+0514 | STF1126 | 6263 | 2008.241 | R | 20 | 0.872 | 0.008 | 173.4* | 0.4 | | | | |
| 08024+0409 | STF1175 | 6532 | 2008.202 | R | 20 | 1.416 | 0.023 | 281.2* | 0.3 | | Ole2001 | 0.05 | -5.1 |
| 08095+3213 | STF1187 | 6623 | 2008.243 | R | 20 | 3.038 | 0.021 | 22.3* | 0.4 | | Ole2001 | 0.11 | 0.8 |
| 08122+1739 | STF1196AB | 6650 | 2008.252 | R | 10 | 1.059 | 0.007 | 45.9* | 0.5 | | WSI2006b | 0.03 | 1.4 |
| 08542+3035 | STF1291 | 7071 | 2008.243 | R | 20 | 1.509 | 0.009 | 310.2* | 0.4 | | | | |
| 09104+6708 | STF1306 | 7203 | 2008.314 | R | 20 | 4.148 | 0.023 | 350.3* | 0.3 | | Sca1985c | 0.06 | -0.2 |
| 09179+2834 | STF3121 | 7284 | 2008.241 | R | 20 | 0.627 | 0.008 | 212.2 | 1.5 | | Sod1999 | -0.01 | 2.9 |
| 09210+3811 | STF1338 | 7307 | 2008.241 | R | 20 | 1.066 | 0.017 | 298.0* | 0.3 | | Sca2002b | 0.05 | -3.1 |
| 09285+0903 | STF1356 | 7390 | 2008.241 | R | 20 | 0.689 | 0.008 | 99.7* | 0.3 | | vDI1976 | -0.02 | -0.9 |
| 09521+5404 | STT208 | 7545 | 2008.241 | R | 10 | 0.335 | 0.003 | 288.2* | 0.4 | | Hei1996c | -0.03 | -1.6 |
| 10163+1744 | STT215 | 7704 | 2008.314 | R | 20 | 1.459 | 0.011 | 178.1* | 0.3 | | Zae1984 | -0.07 | -1.3 |
| 10205+0626 | STF1426 | 7730 | 2008.350 | R | 20 | 0.925 | 0.009 | 309.9* | 0.7 | | | | |
| 10250+2437 | STF1429 | 7758 | 2008.350 | R | 20 | 0.769 | 0.008 | 161.3 | 0.7 | | Zul1981 | 0.05 | 0.0 |
| 10269+1713 | STT217 | 7775 | 2008.314 | R | 20 | 0.749 | 0.008 | 146.1 | 1.0 | | Hei1975b | 0.02 | -1.8 |
| 10279+3642 | HU879 | 7780 | 2008.350 | R | 10 | 0.476 | 0.005 | 222.3* | 1.1 | Elongated | Msn2001c | -0.01 | 0.7 |
| 10397+0851 | STT224 | 7871 | 2008.353 | R | 20 | 0.512 | 0.010 | 140.8* | 2.5 | | Pru2009 | 0.05 | -1.0 |
| 10426+0335 | A2768 | 7896 | 2008.353 | R | 20 | 0.565 | 0.015 | 253.6* | 1.0 | | Hrt1989 | 0.01 | 1.3 |
| 10480+4107 | STT229 | 7929 | 2008.353 | R | 20 | 0.687 | 0.015 | 262.8 | 0.3 | | Alz1998a | 0.02 | -0.0 |
| 12272+2701 | STF1643 | 8553 | 2008.353 | W | 20 | 2.699 | 0.013 | 6.1* | 0.4 | Elongated | WSI2004a | -0.00 | 0.6 |
| 12349+2238 | WRH12 | — | 2008.353 | R | 10 | 0.302 | 0.004 | 15.5* | 0.9 | | Sey2002 | -0.04 | 0.6 |
| 12417-0127 | STF1670 | 8630 | 2008.353 | R | 20 | 1.013 | 0.008 | 37.3* | 0.4 | | Sca2007c | -0.00 | 0.3 |
| " | " | " | 2008.484 | R | 20 | 1.046 | 0.008 | 35.7* | 0.4 | | Sca2007c | 0.00 | 0.1 |
| 13007+5622 | BU1082 | 8739 | 2008.490 | R | 20 | 1.132 | 0.015 | 96.8* | 0.3 | | Sca2005a | -0.12 | 1.9 |
| 13100+1732 | STF1728 | 8804 | 2008.493 | R | 10 | 0.616 | 0.003 | 192.2* | 0.3 | | WSI2006b | -0.00 | 179.9 |
| 13563+0517 | STT273 | 9060 | 2008.493 | W | 20 | 1.001 | 0.014 | 112.2* | 0.5 | | | | |
| 13577+5200 | A1614 | 9071 | 2008.484 | W | 20 | 1.385 | 0.019 | 302.1* | 0.3 | | Hei2001 | -0.06 | 178.6 |
| 14135+1234 | BU224 | 9165 | 2008.484 | W | 20 | 0.516 | 0.025 | 103.5* | 0.8 | | Lin1985c | -0.05 | -0.1 |
| 14139+2906 | STF1816 | 9174 | 2008.493 | R | 20 | 0.465 | 0.020 | 94.1* | 0.4 | | | | |

| WDS | Name | ADS | Epoch | Fil. | Eyep. (mm) | ρ (") | σ_ρ (") | θ ($^\circ$) | σ_θ ($^\circ$) | Notes | Orbit | $\Delta\rho(O-C)$ | $\Delta\theta(O-C)$ |
|------------|-----------|-------|----------|------|---------------|---------------|----------------------|--------------------------|---------------------------------|------------|----------|-------------------|---------------------|
| 14153+0308 | STF1819 | 9182 | 2008.490 | R | 20 | 0.874 | 0.008 | 182.1* | 0.5 | | Hou1987 | -0.01 | -0.3 |
| 14203+4830 | STF1834 | 9229 | 2008.484 | R | 20 | 1.582 | 0.017 | 101.8* | 0.3 | | Sey2000b | 0.04 | -1.7 |
| 14323+2641 | A570 | 9301 | 2008.509 | R | 10 | 0.181 | 0.003 | 43.4 | 0.9 | | Hei1991 | -0.01 | -2.4 |
| 14336+3535 | STF1858 | 9312 | 2008.509 | R | 20 | 3.046 | 0.015 | 37.9* | 0.3 | | | | |
| 14369+4813 | A347 | 9324 | 2008.509 | R | 20 | 0.556 | 0.017 | 244.9 | 1.6 | | Doc2004a | -0.02 | -0.8 |
| 14380+5135 | STF1863 | 9329 | 2008.484 | R | 20 | 0.653 | 0.008 | 61.9* | 1.0 | | | | |
| 14407+3117 | STF1867 | 9340 | 2008.539 | R | 20 | 0.716 | 0.008 | 355.9 | 2.0 | | | | |
| 14411+1344 | STF1865 | 9343 | 2008.484 | R | 10 | 0.594 | 0.004 | 295.9 | 0.4 | | Alz2007 | 0.02 | 0.7 |
| 14450+2704 | STF1877 | 9372 | 2008.539 | V | 20 | 2.838 | 0.014 | 343.3* | 0.3 | | | | |
| 14463+0939 | STF1879 | 9380 | 2008.490 | W | 20 | 1.728 | 0.010 | 83.6* | 0.3 | | Msn1999a | 0.01 | -0.7 |
| 14489+0557 | STF1883 | 9392 | 2008.490 | R | 20 | 0.897 | 0.014 | 279.5 | 0.4 | | Sey2000b | -0.03 | 0.7 |
| 14515+4456 | STT287 | 9418 | 2008.490 | W | 20 | 0.732 | 0.008 | 357.5 | 0.7 | | Hei1997 | -0.06 | 0.4 |
| 14534+1542 | STT288 | 9425 | 2008.493 | R | 20 | 1.093 | 0.008 | 161.8* | 0.3 | | Hei1998 | -0.00 | -0.3 |
| 15121+1859 | COU189 | — | 2008.509 | R | 20 | 0.405 | 0.011 | 139.8* | 1.5 | | | | |
| 15210+0043 | BU32 | 9596 | 2008.564 | R | 20 | 3.351 | 0.017 | 22.3* | 0.3 | NF | | | |
| 15245+3723 | STF1938BC | 9626 | 2008.493 | R | 20 | 2.262 | 0.011 | 6.3* | 0.3 | | Sod1999 | 0.01 | 0.5 |
| 15361+5531 | A1124 | 9720 | 2008.591 | W | 20 | 1.420 | 0.008 | 142.3* | 0.3 | | | | |
| 15416+1940 | HU580 | 9744 | 2008.509 | V | 10 | — | — | — | — | NF, unres. | | | |
| 15492-0314 | STF1974 | 9795 | 2008.509 | W | 20 | 2.437 | 0.012 | 159.0* | 0.3 | | | | |
| 15589+2147 | STF1990 | 9865 | 2008.539 | W | 20 | 4.019 | 0.020 | 26.1* | 0.3 | Elongated | | | |
| 16009+1316 | STT303 | 9880 | 2008.564 | R | 20 | 1.555 | 0.008 | 172.6* | 0.3 | | | | |
| 16280+2632 | BU813 | 10071 | 2008.539 | W | 20 | 1.154 | 0.010 | 175.5* | 0.9 | | | | |
| 16289+1825 | STF2052 | 10075 | 2008.539 | R | 20 | 2.215 | 0.011 | 120.5* | 0.3 | | Sod1999 | 0.04 | -0.5 |
| 16326+2314 | BU817 | 10107 | 2008.588 | W | 20 | 0.936 | 0.013 | 327.8* | 1.5 | | | | |
| 16413+3136 | STF2084 | 10157 | 2008.539 | V | 20 | 1.069 | 0.008 | 190.5* | 0.5 | | Sod1999 | -0.03 | -0.4 |
| 16442+2331 | STF2094 | 10184 | 2008.588 | R | 20 | 1.173 | 0.011 | 72.1 | 0.3 | | | | |
| 16511+0924 | STF2106 | 10229 | 2008.564 | R | 20 | 0.733 | 0.008 | 173.8* | 0.7 | | Sca2001g | -0.01 | 1.2 |
| 16518+2840 | STF2107 | 10235 | 2008.564 | R | 20 | 1.427 | 0.011 | 100.9* | 0.3 | | Sca2003c | 0.04 | -0.9 |
| 16541+0826 | HEI857 | — | 2008.588 | R | 20 | 0.558 | 0.008 | 142.9 | 0.8 | | | | |
| 16564+6502 | STF2118 | 10279 | 2008.564 | R | 20 | 1.051 | 0.008 | 66.1* | 0.3 | | Sca2002d | -0.11 | -1.2 |
| 17020+0827 | STF2114 | 10312 | 2008.591 | R | 20 | 1.332 | 0.008 | 194.4* | 0.3 | | | | |
| 17053+5428 | STF2130AB | 10345 | 2008.564 | R | 20 | 2.384 | 0.012 | 9.7* | 0.3 | | Hei1981b | 0.05 | 2.0 |
| 17195+5832 | KR46 | — | 2008.640 | W | 20 | 1.675 | 0.020 | 63.2* | 0.3 | | | | |
| 17239+3627 | STF2162 | 10527 | 2008.591 | W | 20 | 1.341 | 0.008 | 283.8 | 0.3 | | | | |
| 17240+3835 | HU1179 | 10531 | 2008.588 | R | 10 | 0.272 | 0.003 | 273.5 | 0.3 | | Hrt2000b | 0.01 | 1.5 |
| 17304-0104 | STF2173 | 10598 | 2008.588 | R | 10 | 0.650 | 0.005 | 158.1* | 0.4 | | Hei1994a | -0.01 | -0.4 |
| 17358+0100 | STF2186 | 10650 | 2008.588 | W | 20 | 3.005 | 0.015 | 77.8* | 0.3 | | | | |
| 17386+5546 | STF2199 | 10699 | 2008.589 | W | 20 | 2.004 | 0.010 | 56.2* | 0.3 | | Pop1995d | 0.08 | 1.6 |
| 17397+7256 | H141 | 10734 | 2008.648 | R | 20 | 1.021 | 0.013 | 335.4 | 0.4 | | | | |
| 17399+0748 | HDS2499 | — | 2008.591 | R | 20 | 0.662 | 0.008 | 240.7* | 0.5 | | | | |
| 17400-0038 | BU631 | 10696 | 2008.665 | R | 10 | 0.264 | 0.003 | 87.3 | 0.4 | | Hei1996a | -0.01 | 2.3 |
| 17436+2237 | HU1285 | 10743 | 2008.591 | W | 20 | 0.543 | 0.008 | 214.1 | 1.0 | | Sey2002 | 0.01 | -0.4 |
| 17439+0551 | STF2200 | 10741 | 2008.640 | W | 20 | 1.566 | 0.009 | 162.5* | 0.4 | | | | |
| 17457+1743 | STF2205 | 10769 | 2008.591 | W | 20 | 1.044 | 0.013 | 0.3* | 0.8 | | Cve2008a | -0.04 | -0.6 |
| 17471+1742 | STF2215 | 10795 | 2008.640 | R | 20 | 0.503 | 0.008 | 252.8* | 1.6 | | Cve2006e | 0.03 | 0.4 |
| 17506+0714 | STT337 | 10828 | 2008.665 | R | 20 | 0.543 | 0.020 | 166.6 | 1.0 | | Doc1990a | 0.04 | 0.8 |
| 17520+1520 | STT338 | 10850 | 2008.659 | R | 20 | 0.821 | 0.008 | 165.6* | 0.4 | | | | |
| 17533+3605 | STF2243 | 10874 | 2008.640 | W | 20 | 1.119 | 0.011 | 39.7* | 0.5 | | | | |
| 17571+0004 | STF2244 | 10912 | 2008.640 | R | 20 | 0.630 | 0.008 | 97.9* | 0.8 | | Hei1997 | 0.10 | -2.0 |
| 17571+4551 | HU235 | 10934 | 2008.649 | R | 20 | 1.598 | 0.013 | 283.8* | 0.3 | | | | |
| 17590+0202 | STF2252 | 10945 | 2008.659 | W | 20 | 3.885 | 0.029 | 203.7* | 0.3 | | | | |
| 17590+1226 | STF2254 | 10949 | 2008.659 | W | 20 | 3.491 | 0.017 | 265.9 | 0.3 | | | | |
| 18003+5251 | STF2271 | 10988 | 2008.649 | W | 20 | 3.371 | 0.026 | 87.1* | 0.3 | Elongated | | | |
| 18017+4011 | STF2267 | 11001 | 2008.649 | R | 20 | 0.560 | 0.022 | 271.9 | 0.6 | | | | |

| WDS | Name | ADS | Epoch | Fil. | Eyep. (mm) | ρ (") | σ_ρ (") | θ ($^\circ$) | σ_θ ($^\circ$) | Notes | Orbit | $\Delta\rho(O-C)$ | $\Delta\theta(O-C)$ |
|------------|-------------|-------|----------|------|---------------|---------------|----------------------|--------------------------|---------------------------------|-------------|----------|-------------------|---------------------|
| 18025+4414 | BU1127 | 11010 | 2008.640 | R | 20 | 0.742 | 0.008 | 52.7* | 1.0 | | Cve2006e | -0.07 | -2.3 |
| 18065+4022 | STF2282 | 11074 | 2008.670 | R | 20 | 0.183 | 0.015 | 47.6 | 3.7 | New comp.? | | | |
| 18065+4022 | STF2282 | 11074 | 2008.670 | R | 20 | 2.744 | 0.014 | 80.0* | 0.4 | Outer peaks | | | |
| 18065+4022 | STF2282 | 11074 | 2008.670 | R | 20 | 2.592 | 0.013 | 82.2* | 0.3 | Inner peaks | | | |
| 18096+0400 | STF2281 | 11111 | 2008.665 | R | 20 | 0.630 | 0.008 | 289.4* | 0.5 | | Sod1999 | 0.00 | 1.4 |
| 18097+5024 | HU674 | 11128 | 2008.665 | R | 20 | 0.747 | 0.008 | 216.3* | 0.4 | | Sey2002 | 0.13 | 1.6 |
| 18101+1629 | STF2289 | 11123 | 2008.665 | R | 20 | 1.212 | 0.008 | 219.1* | 0.6 | | Hop1964b | -0.03 | 2.4 |
| 18126+3836 | BU1091 | 11170 | 2008.665 | R | 20 | 0.717 | 0.015 | 319.9 | 0.7 | | | | |
| 18146+0011 | STF2294 | 11186 | 2008.665 | W | 20 | 1.321 | 0.019 | 92.4* | 0.3 | | Luy1934a | 0.12 | -0.9 |
| 18208+7120 | STT353 | 11311 | 2008.670 | R | 10 | 0.484 | 0.003 | 266.4* | 0.4 | | Ana2005 | -0.00 | -1.5 |
| 18238+5139 | ES187 | 11328 | 2008.670 | W | 20 | 2.583 | 0.013 | 205.6* | 0.6 | | | | |
| 18250-0135 | AC11 | 11324 | 2008.670 | R | 20 | 0.882 | 0.008 | 355.3* | 0.7 | | Hei1995 | 0.04 | 0.6 |
| 18250+2724 | STF2315 | 11334 | 2008.589 | R | 20 | 0.646 | 0.008 | 119.6* | 0.6 | | WSI2004b | 0.02 | -0.1 |
| 18261+0047 | BU1203 | 11339 | 2008.692 | R | 20 | 0.499 | 0.020 | 156.6 | 1.4 | | Pop1996b | 0.02 | 1.5 |
| 18272+0012 | STF2316 | 11353 | 2008.711 | R | 20 | 3.676 | 0.020 | 319.7* | 0.3 | NF | | | |
| 18338+1744 | STF2339AB-C | 11454 | 2008.659 | R | 20 | 1.615 | 0.010 | 275.8* | 0.3 | Inner peaks | | | |
| " | " | " | 2008.733 | R | 20 | 1.591 | 0.017 | 275.7* | 0.4 | Inner peaks | | | |
| 18338+1744 | STF2339AB-D | 11454 | 2008.659 | R | 20 | 2.079 | 0.012 | 272.7* | 0.3 | Outer peaks | | | |
| " | " | " | 2008.733 | R | 20 | 2.074 | 0.010 | 272.7* | 0.6 | Outer peaks | | | |
| 18338+1744 | WAK21CD | 11454 | 2008.659 | R | 20 | 0.474 | 0.008 | 262.4* | 0.9 | | | | |
| " | " | " | 2008.733 | R | 20 | 0.493 | 0.020 | 262.9* | 1.4 | | | | |
| 18339+5221 | A1377 | 11468 | 2008.711 | R | 10 | 0.239 | 0.003 | 123.2* | 0.4 | | Sca1984e | -0.00 | -4.1 |
| 18355+2336 | STT359 | 11479 | 2008.692 | R | 20 | 0.738 | 0.008 | 5.2* | 1.0 | | Sca2009a | 0.00 | -0.0 |
| 18359+1659 | STT358 | 11483 | 2008.692 | R | 20 | 1.653 | 0.011 | 151.1* | 0.5 | | Hei1995 | 0.11 | 1.1 |
| 18374+7741 | STT363 | 11584 | 2008.711 | R | 20 | 0.455 | 0.008 | 339.2* | 0.9 | | Sca2009a | 0.02 | -1.3 |
| 18384+2842 | STF2356 | 11529 | 2008.660 | W | 20 | 1.133 | 0.008 | 62.3* | 0.9 | | | | |
| 18387+0451 | STT360 | 11526 | 2008.711 | W | 20 | 1.674 | 0.020 | 281.3* | 0.3 | | | | |
| 18393+2056 | STF2360 | 11546 | 2008.660 | W | 20 | 2.413 | 0.012 | 358.4* | 0.3 | | | | |
| 18443+3940 | STF2382 | 11635 | 2008.670 | R | 20 | 2.344 | 0.012 | 347.9* | 0.3 | | Nov2006e | -0.01 | -0.1 |
| 18443+3940 | STF2382 | 11635 | 2008.670 | R | 20 | 2.370 | 0.012 | 78.7* | 0.3 | | Nov2006e | -0.01 | -0.1 |
| 18443+6103 | STF2403 | 11661 | 2008.660 | R | 20 | 1.093 | 0.014 | 278.0* | 0.3 | | | | |
| 18477+4904 | HEI72 | — | 2008.671 | R | 20 | 0.642 | 0.012 | 232.9* | 0.5 | | | | |
| 18490+2110 | STF2401 | 11715 | 2008.777 | W | 20 | 4.316 | 0.103 | 37.6* | 0.3 | | | | |
| 18497+1041 | STF2402 | 11722 | 2008.712 | W | 20 | 1.428 | 0.012 | 208.2* | 0.5 | | | | |
| 18502+1131 | BU265 | 11735 | 2008.747 | W | 20 | 1.368 | 0.014 | 228.4* | 0.7 | | | | |
| 18508+1059 | STF2404 | 11750 | 2008.665 | R | 20 | 3.534 | 0.018 | 181.1* | 0.3 | | | | |
| 18520+1047 | STF2408 | 11766 | 2008.711 | W | 20 | 2.275 | 0.029 | 90.7* | 0.3 | | | | |
| 18521+1148 | HU199 | 11769 | 2008.747 | W | 20 | 0.877 | 0.008 | 346.8* | 0.7 | | | | |
| 18526+1400 | STF2412 | 11778 | 2008.747 | W | 20 | 1.448 | 0.008 | 235.8* | 0.4 | | | | |
| 18555+2914 | STF2419 | 11847 | 2008.777 | W | 20 | 3.368 | 0.056 | 177.2* | 0.5 | | | | |
| 18570+3254 | BU648 | 11871 | 2008.777 | R | 20 | 0.989 | 0.014 | 259.7* | 0.7 | | Doc2008f | -0.01 | -1.5 |
| 18575+5814 | STF2438 | 11897 | 2008.777 | R | 20 | 0.852 | 0.008 | 358.8* | 0.3 | | Hrt2001a | 0.02 | 0.5 |
| 19019+1910 | STF2437 | 11956 | 2008.772 | R | 20 | 0.587 | 0.008 | 9.5 | 1.3 | | | | |
| 19024+6927 | STF2478 | 12015 | 2008.772 | W | 20 | 0.932 | 0.008 | 313.3 | 0.3 | | | | |
| 19030+5135 | STF2451 | 11997 | 2008.772 | W | 20 | 1.972 | 0.010 | 82.1* | 0.3 | | | | |
| 19052+1050 | BU466 | 12021 | 2008.777 | W | 20 | 1.923 | 0.023 | 164.8* | 0.3 | | | | |
| 19055+3352 | HU940 | 12033 | 2008.774 | W | 20 | 0.493 | 0.011 | 194.1* | 1.0 | | Hei2001 | 0.01 | 2.4 |
| 19062+3026 | STF2454 | 12040 | 2008.774 | R | 20 | 1.315 | 0.014 | 288.2 | 0.5 | | Sta1982b | -0.02 | -0.4 |
| 19071+7204 | STT369 | 12113 | 2008.774 | R | 20 | 0.701 | 0.008 | 10.6* | 0.4 | | | | |
| 19083+5520 | D19 | 12104 | 2008.774 | R | 20 | 0.481 | 0.020 | 347.6* | 0.7 | | | | |
| 19114+2116 | A151 | 12140 | 2008.774 | W | 20 | 0.611 | 0.008 | 158.4* | 1.3 | | | | |
| 19143+1904 | STF2484 | 12201 | 2008.665 | W | 20 | 2.147 | 0.018 | 239.0* | 0.3 | Elongated | Hop1973b | -0.13 | 0.1 |
| 19148+4756 | A706 | 12229 | 2008.747 | W | 20 | 1.567 | 0.011 | 73.6* | 0.4 | | | | |
| 19220+2230 | BU141 | 12355 | 2008.747 | R | 20 | 0.938 | 0.009 | 81.8 | 0.7 | | | | |

| WDS | Name | ADS | Epoch | Fil. | Eyep. (mm) | ρ (") | σ_ρ (") | θ ($^\circ$) | σ_θ ($^\circ$) | Notes | Orbit | $\Delta\rho(O-C)$ | $\Delta\theta(O-C)$ |
|------------|-------------|-------|----------|------|---------------|---------------|----------------------|--------------------------|---------------------------------|-----------|----------|-------------------|---------------------|
| 19251+1839 | HU339 | 12416 | 2008.747 | W | 20 | 0.816 | 0.008 | 245.2 | 1.3 | | | | |
| 19261+3849 | HO450 | 12446 | 2008.747 | W | 20 | 1.005 | 0.011 | 263.3* | 1.0 | | | | |
| 19266+2719 | STF2525 | 12447 | 2008.747 | R | 20 | 2.114 | 0.016 | 288.8 | 0.3 | | Hei1984b | 0.01 | -1.3 |
| 19270+7322 | STF2550 | 12524 | 2008.780 | R | 20 | 1.938 | 0.036 | 249.5 | 0.9 | | | | |
| 19299+4931 | BU143 | 12535 | 2008.780 | W | 20 | 2.192 | 0.011 | 192.2* | 0.7 | Elongated | | | |
| 19307+2758 | MCA55Aa,Ac | 12540 | 2008.802 | V | 10 | 0.361 | 0.003 | 100.8* | 1.4 | | Sca2008a | -0.02 | -0.9 |
| 19311+0824 | A1184 | 12537 | 2008.780 | W | 20 | 0.881 | 0.016 | 110.7* | 0.5 | | | | |
| 19350+2947 | A368 | 12633 | 2008.780 | W | 20 | 0.503 | 0.029 | 152.9* | 1.7 | | | | |
| 19357+7308 | A864 | 12729 | 2008.796 | W | 20 | 0.734 | 0.008 | 15.0* | 0.6 | | | | |
| 19363+3540 | STT377 | 12667 | 2008.780 | W | 20 | 0.926 | 0.017 | 34.5* | 0.7 | | | | |
| 19365+4101 | STT378 | 12687 | 2008.780 | R | 20 | 1.396 | 0.029 | 285.6* | 0.3 | | | | |
| 19384+0021 | BU249 | 12708 | 2008.796 | W | 20 | 0.810 | 0.017 | 109.1* | 0.6 | | | | |
| 19448+1649 | STF2569 | 12861 | 2008.780 | W | 20 | 2.112 | 0.015 | 356.3* | 0.3 | | | | |
| 19450+4508 | STF2579 | 12880 | 2008.660 | R | 20 | 2.672 | 0.013 | 219.7* | 0.3 | | Sca1983a | 0.00 | -0.8 |
| 19453+3048 | AG237 | 12881 | 2008.796 | W | 20 | 2.378 | 0.014 | 139.7* | 0.5 | Elongated | | | |
| 19464+3337 | STF2576 | 12889 | 2008.660 | R | 20 | 2.878 | 0.014 | 159.8* | 0.3 | | Sod1999 | -0.01 | 0.0 |
| 19483+3710 | STT386 | 12965 | 2008.665 | R | 20 | 0.950 | 0.008 | 70.9 | 0.7 | | | | |
| 19487+3519 | STT387 | 12972 | 2008.802 | R | 20 | 0.534 | 0.014 | 124.2* | 0.4 | | WSI2006b | -0.02 | -1.4 |
| 19575+2018 | BU425 | 13165 | 2008.671 | W | 20 | 1.376 | 0.008 | 239.6 | 0.4 | | | | |
| 20011+4816 | STF2619 | 13269 | 2008.802 | R | 20 | 4.163 | 0.021 | 59.0* | 0.3 | | | | |
| 20014+1045 | STF2613 | 13256 | 2008.774 | R | 20 | 3.595 | 0.018 | 354.5* | 0.3 | | Hop1973b | -0.57 | 2.5 |
| 20042+1148 | STF2620 | 13320 | 2008.772 | W | 20 | 1.851 | 0.022 | 286.6* | 0.4 | | | | |
| 20067+1256 | BU428 | 13384 | 2008.774 | R | 20 | 0.785 | 0.009 | 356.4 | 0.3 | | | | |
| 20078+0924 | STF2628 | 13403 | 2008.886 | R | 20 | 3.019 | 0.015 | 338.0* | 0.3 | NF | | | |
| 20095+5140 | STF2645 | 13447 | 2008.774 | W | 20 | 1.597 | 0.016 | 137.5* | 0.5 | | | | |
| 20102+4357 | STT400 | 13461 | 2008.772 | R | 20 | 0.618 | 0.013 | 335.4 | 1.2 | | Hei1997 | 0.02 | 0.0 |
| 20106+3452 | A281 | 13465 | 2008.886 | W | 20 | 4.152 | 0.038 | 172.5* | 0.3 | | | | |
| 20126+0052 | STF2644 | 13506 | 2008.747 | R | 20 | 2.629 | 0.015 | 206.0 | 0.4 | | | | |
| 20137+1609 | STF2651 | 13542 | 2008.747 | W | 20 | 1.007 | 0.009 | 278.6 | 0.4 | | | | |
| 20187+3315 | STT405 | 13682 | 2008.772 | W | 20 | 0.795 | 0.013 | 147.9* | 1.2 | | | | |
| 20200+3616 | BU431 | 13719 | 2008.777 | W | 20 | 0.540 | 0.017 | 30.5* | 0.6 | | | | |
| 20203+3924 | STF2668AB-C | 13728 | 2008.875 | R | 20 | 3.448 | 0.017 | 280.2* | 0.5 | | | | |
| 20203+3924 | A1427AB | 13728 | 2008.875 | R | 20 | 0.253 | 0.014 | 310.0 | 2.2 | | | | |
| 20216+2346 | STF2672 | 13750 | 2008.875 | W | 20 | 0.682 | 0.012 | 345.7 | 1.2 | Elongated | | | |
| 20229+4259 | HO128 | 13786 | 2008.777 | R | 20 | 1.356 | 0.029 | 359.8* | 1.1 | | | | |
| 20244+2923 | HO457 | 13818 | 2008.780 | W | 20 | 2.024 | 0.010 | 60.2* | 0.5 | | | | |
| 20248+3545 | BU432 | 13830 | 2008.802 | R | 20 | 1.404 | 0.015 | 196.5* | 0.3 | | | | |
| 20251+5936 | A730 | 13850 | 2008.802 | R | 10 | 0.157 | 0.004 | 283.9* | 0.7 | Too close | Hei1986b | -0.01 | -10.2 |
| 20255+4006 | D22 | 13847 | 2008.876 | W | 20 | 2.934 | 0.030 | 162.2* | 0.8 | | | | |
| 20257+5508 | A1429 | 13857 | 2008.881 | W | 20 | 0.630 | 0.021 | 187.6* | 0.8 | | | | |
| 20262+3712 | HO130 | 13856 | 2008.876 | W | 20 | 1.910 | 0.018 | 287.2* | 0.8 | | | | |
| 20293+3731 | WEI35 | 13909 | 2008.802 | R | 20 | 4.101 | 0.021 | 213.6* | 0.4 | | | | |
| 20295+5604 | KUI97 | — | 2008.886 | R | 20 | 0.788 | 0.008 | 128.6* | 1.7 | | | | |
| 20337+3835 | A1431 | 14007 | 2008.802 | W | 20 | 0.828 | 0.014 | 28.2* | 1.0 | Elongated | | | |
| 20340+3441 | STT408 | 14016 | 2008.887 | R | 20 | 1.581 | 0.038 | 192.3* | 1.4 | NF | | | |
| 20397+6325 | DOB15 | 14155 | 2008.712 | W | 20 | 1.971 | 0.012 | 77.6 | 0.3 | | | | |
| 20410+3218 | STF2716 | 14158 | 2008.802 | R | 20 | 2.750 | 0.014 | 45.2* | 0.3 | | | | |
| 20445+2356 | STF2724 | 14227 | 2008.876 | W | 20 | 2.520 | 0.017 | 149.2* | 0.9 | | | | |
| 21021+5640 | STF2751 | 14575 | 2008.802 | R | 20 | 1.609 | 0.008 | 355.6* | 0.3 | | | | |
| 21022+0711 | STF2742 | 14556 | 2008.775 | W | 20 | 2.847 | 0.014 | 214.4* | 0.3 | | | | |
| 21045+7046 | STF2771 | 14630 | 2008.802 | W | 20 | 2.714 | 0.014 | 33.2 | 0.3 | | | | |
| 21046+5224 | STF2757 | 14615 | 2008.936 | R | 20 | 1.872 | 0.011 | 263.4* | 0.4 | | | | |
| 21055+5340 | BU680 | 14626 | 2008.936 | W | 20 | 0.550 | 0.019 | 284.1* | 0.8 | | | | |
| 21068+3408 | STF2760 | 14645 | 2008.876 | W | 20 | 4.503 | 0.028 | 32.2* | 0.3 | Diffuse | | | |

| WDS | Name | ADS | Epoch | Fil. | Eyep. (mm) | ρ (") | σ_ρ (") | θ ($^\circ$) | σ_θ ($^\circ$) | Notes | Orbit | $\Delta\rho(O-C)$ | $\Delta\theta(O-C)$ |
|------------|---------|-------|----------|------|---------------|---------------|----------------------|--------------------------|---------------------------------|---------|----------|-------------------|---------------------|
| 21086+3012 | STF2762 | 14682 | 2008.908 | R | 20 | 3.397 | 0.017 | 302.8* | 0.6 | NF | | | |
| 21101+0118 | HDO318 | — | 2008.938 | W | 20 | 1.050 | 0.008 | 313.3* | 0.3 | | | | |
| 21103+4359 | STF2773 | 14711 | 2008.938 | R | 20 | 3.260 | 0.017 | 112.5* | 0.3 | | | | |
| 21105+1958 | STF2767 | 14708 | 2008.938 | R | 20 | 2.448 | 0.020 | 29.0* | 0.3 | | | | |
| 21267+1341 | STF2797 | 14977 | 2008.887 | R | 20 | 3.504 | 0.018 | 217.6* | 0.3 | | | | |
| 21289+1105 | STF2799 | 15007 | 2008.887 | R | 20 | 1.860 | 0.009 | 81.0* | 0.3 | | Pop1987 | 0.12 | -178.1 |
| 21304+3504 | HLD45 | 15039 | 2008.887 | W | 20 | 1.257 | 0.017 | 197.3 | 0.9 | | | | |
| 21308+4752 | A769 | 15053 | 2008.936 | W | 20 | 0.663 | 0.036 | 291.3 | 0.9 | | | | |
| 21318+3349 | STF2802 | 15060 | 2008.936 | W | 20 | 3.802 | 0.022 | 9.5* | 0.3 | | | | |
| 22094+2233 | STF2868 | 15673 | 2008.938 | R | 20 | 1.097 | 0.008 | 352.9* | 0.5 | | | | |
| 22100+2308 | COU136 | — | 2008.938 | R | 20 | 0.468 | 0.008 | 24.3* | 0.3 | | Cou1999b | -0.05 | 0.2 |
| 22122+6344 | STF2884 | 15742 | 2008.887 | W | 20 | 2.023 | 0.050 | 142.8* | 0.3 | | | | |
| 22143+3745 | STF2882 | 15766 | 2008.876 | W | 20 | 3.449 | 0.020 | 147.6* | 0.6 | | | | |
| 22218+6642 | STF2903 | 15881 | 2008.887 | R | 20 | 4.156 | 0.021 | 96.0* | 0.3 | | | | |
| 22295-0012 | BU76 | 15984 | 2008.938 | R | 20 | 1.615 | 0.008 | 7.5* | 0.3 | | | | |
| 22312+5052 | STF2918 | 16020 | 2008.876 | W | 20 | 1.601 | 0.008 | 237.2* | 0.9 | | | | |
| 22328+2625 | HO475 | 16037 | 2008.939 | R | 20 | 0.996 | 0.022 | 306.4 | 0.8 | | | | |
| 22330+6955 | STF2924 | 16057 | 2008.939 | R | 10 | 0.151 | 0.004 | 192.6 | 1.4 | | Sod1999 | -0.00 | -11.6 |
| 22413+7244 | STF2940 | 16191 | 2008.802 | W | 20 | 2.673 | 0.017 | 137.3* | 0.3 | | | | |
| 22514+6142 | STF2950 | 16317 | 2008.802 | R | 20 | 1.270 | 0.008 | 277.6* | 0.3 | | | | |
| 22537+4445 | BU382 | 16345 | 2008.802 | R | 20 | 0.791 | 0.009 | 232.7* | 0.3 | | Sod1999 | -0.05 | 0.7 |
| 23244+6917 | A789 | 16738 | 2008.887 | W | 20 | 1.888 | 0.009 | 83.3* | 0.4 | | | | |
| 23256+3326 | AG292 | 16744 | 2008.887 | W | 20 | 3.737 | 0.019 | 233.6* | 0.3 | | | | |
| 23355+5401 | MLR620 | — | 2008.939 | RL | 20 | 0.616 | 0.020 | 225.7* | 1.0 | Diffuse | | | |
| 23355+5401 | MLR620 | — | 2008.939 | W | 20 | 0.614 | 0.010 | 227.7* | 0.8 | | | | |

Note: In column 9, the exponent * indicates that the position angle θ could be determined without the 180° ambiguity.