| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **435303** 2007 $UW_{14}$ | | | 5 24.9 284°.43 | | 5°.9/22.8 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.28 | − 5 17.0 | 1.998 | 2.847 | 13.0 | 21.0 |
| 5 1 | 16 27.95 | − 4 54.1 | 1.903 | 2.822 | 10.3 | 20.8 |
| 5 11 | 16 20.54 | − 4 38.7 | 1.831 | 2.797 | 7.5 | 20.6 |
| 5 21 | 16 11.65 | − 4 34.1 | 1.785 | 2.771 | 5.9 | 20.4 |
| 5 31 | 16 2.12 | − 4 43.4 | 1.766 | 2.746 | 6.8 | 20.4 |
| 6 10 | 15 52.97 | − 5 7.9 | 1.773 | 2.720 | 9.6 | 20.5 |
| 6 20 | 15 45.08 | − 5 47.6 | 1.804 | 2.694 | 12.8 | 20.7 |
| 6 30 | 15 39.18 | − 6 41.1 | 1.856 | 2.668 | 15.8 | 20.8 |
| **141311** 2001 $YD_{121}$ | | | 5 24.9 90°.21 | | 0°.9/25.4 18 | |
| 4 21 | 16 34.71 | −23 8.9 | 2.375 | 3.215 | 11.4 | 19.4 |
| 5 1 | 16 28.51 | −23 29.2 | 2.313 | 3.236 | 8.5 | 19.3 |
| 5 11 | 16 20.57 | −23 45.0 | 2.277 | 3.256 | 5.2 | 19.1 |
| 5 21 | 16 11.58 | −23 55.7 | 2.268 | 3.276 | 1.8 | 18.9 |
| 5 31 | 16 2.36 | −24 1.6 | 2.288 | 3.296 | 2.2 | 18.9 |
| 6 10 | 15 53.77 | −24 4.1 | 2.336 | 3.316 | 5.5 | 19.2 |
| 6 20 | 15 46.52 | −24 5.0 | 2.412 | 3.335 | 8.6 | 19.4 |
| 6 30 | 15 41.13 | −24 6.7 | 2.511 | 3.354 | 11.2 | 19.6 |
| **71647** 2000 $EW_{110}$ | | | 5 24.9 139°.44 | | 1°.9/24.0 18 | |
| 4 21 | 16 32.95 | −15 15.4 | 2.501 | 3.348 | 10.7 | 20.3 |
| 5 1 | 16 27.08 | −14 58.8 | 2.433 | 3.360 | 7.9 | 20.1 |
| 5 11 | 16 19.66 | −14 42.0 | 2.391 | 3.371 | 4.9 | 19.9 |
| 5 21 | 16 11.31 | −14 26.3 | 2.376 | 3.382 | 2.2 | 19.8 |
| 5 31 | 16 2.76 | −14 13.7 | 2.391 | 3.393 | 3.1 | 19.9 |
| 6 10 | 15 54.75 | −14 5.6 | 2.434 | 3.403 | 6.0 | 20.1 |
| 6 20 | 15 47.91 | −14 3.5 | 2.504 | 3.412 | 8.9 | 20.3 |
| 6 30 | 15 42.73 | −14 8.2 | 2.597 | 3.421 | 11.5 | 20.4 |
| **494293** 2016 $RG_{27}$ | | | 5 24.9 195°.32 | | 3°.6/26.9 16 | |
| 4 21 | 16 33.46 | −32 49.6 | 2.524 | 3.342 | 11.5 | 22.0 |
| 5 1 | 16 27.81 | −33 7.5 | 2.441 | 3.341 | 9.1 | 21.9 |
| 5 11 | 16 20.28 | −33 15.1 | 2.380 | 3.340 | 6.4 | 21.7 |
| 5 21 | 16 11.53 | −33 11.0 | 2.346 | 3.338 | 4.1 | 21.5 |
| 5 31 | 16 2.40 | −32 55.2 | 2.340 | 3.336 | 3.9 | 21.5 |
| 6 10 | 15 53.79 | −32 29.6 | 2.362 | 3.335 | 6.0 | 21.7 |
| 6 20 | 15 46.49 | −31 57.5 | 2.411 | 3.332 | 8.7 | 21.8 |
| 6 30 | 15 41.10 | −31 22.9 | 2.483 | 3.330 | 11.2 | 22.0 |
| **262456** 2006 $UQ_{124}$ | | | 5 24.9 25°.57 | | 2°.3/25.8 17 | |
| 4 21 | 16 33.80 | −26 25.7 | 1.260 | 2.131 | 17.6 | 20.4 |
| 5 1 | 16 29.23 | −26 32.6 | 1.201 | 2.137 | 13.3 | 20.1 |
| 5 11 | 16 21.61 | −26 27.9 | 1.161 | 2.144 | 8.5 | 19.9 |
| 5 21 | 16 11.97 | −26 10.9 | 1.143 | 2.151 | 3.6 | 19.6 |
| 5 31 | 16 1.82 | −25 43.1 | 1.150 | 2.158 | 3.7 | 19.6 |
| 6 10 | 15 52.77 | −25 9.2 | 1.180 | 2.167 | 8.6 | 19.9 |
| 6 20 | 15 46.06 | −24 35.1 | 1.233 | 2.176 | 13.3 | 20.2 |
| 6 30 | 15 42.47 | −24 6.1 | 1.305 | 2.186 | 17.3 | 20.5 |
| **357076** 2001 $RU_{84}$ | | | 5 24.9 298°.55 | | 4°.8/22.9 16 | |
| 4 21 | 16 32.21 | −14 42.7 | 1.240 | 2.123 | 17.0 | 21.1 |
| 5 1 | 16 28.21 | −13 37.2 | 1.157 | 2.102 | 12.9 | 20.8 |
| 5 11 | 16 21.17 | −12 27.0 | 1.095 | 2.081 | 8.4 | 20.5 |
| 5 21 | 16 11.92 | −11 17.7 | 1.056 | 2.060 | 4.9 | 20.2 |
| 5 31 | 16 1.78 | −10 16.5 | 1.040 | 2.039 | 6.8 | 20.2 |
| 6 10 | 15 52.32 | − 9 30.6 | 1.048 | 2.019 | 11.6 | 20.4 |
| 6 20 | 15 44.90 | − 9 4.7 | 1.075 | 1.999 | 16.6 | 20.7 |
| 6 30 | 15 40.52 | − 9 0.8 | 1.121 | 1.979 | 21.1 | 20.9 |
| **514535** 2017 $BX_{27}$ | | | 5 24.9 284°.02 | | 6°.6/17.2 18 | |
| 4 21 | 16 22.96 | +13 29.6 | 4.405 | 5.171 | 7.8 | 20.8 |
| 5 1 | 16 19.30 | +14 15.7 | 4.346 | 5.165 | 7.1 | 20.8 |
| 5 11 | 16 14.85 | +14 51.8 | 4.310 | 5.160 | 6.6 | 20.7 |
| 5 21 | 16 9.93 | +15 15.9 | 4.298 | 5.154 | 6.6 | 20.7 |
| 5 31 | 16 4.87 | +15 26.2 | 4.311 | 5.148 | 7.0 | 20.7 |
| 6 10 | 16 0.04 | +15 22.4 | 4.347 | 5.142 | 7.6 | 20.8 |
| 6 20 | 15 55.77 | +15 4.9 | 4.404 | 5.137 | 8.5 | 20.9 |
| 6 30 | 15 52.32 | +14 34.8 | 4.481 | 5.131 | 9.4 | 20.9 |
| **433621** 2013 $YY_{110}$ | | | 5 24.9 206°.35 | | 1°.4/24.4 18 | |
| 4 21 | 16 32.84 | −17 14.4 | 2.172 | 3.026 | 11.9 | 21.1 |
| 5 1 | 16 27.36 | −17 4.4 | 2.093 | 3.023 | 8.8 | 20.9 |
| 5 11 | 16 20.03 | −16 53.0 | 2.037 | 3.020 | 5.4 | 20.7 |
| 5 21 | 16 11.48 | −16 41.2 | 2.008 | 3.017 | 2.0 | 20.4 |
| 5 31 | 16 2.55 | −16 30.9 | 2.008 | 3.014 | 3.0 | 20.5 |
| 6 10 | 15 54.15 | −16 23.9 | 2.035 | 3.010 | 6.6 | 20.7 |
| 6 20 | 15 47.05 | −16 22.0 | 2.088 | 3.006 | 10.0 | 20.9 |
| 6 30 | 15 41.85 | −16 26.6 | 2.164 | 3.002 | 13.0 | 21.1 |
| **43952** 1997 $BG_{7}$ | | | 5 24.9 129°.69 | | 4°.8/23.3 17 | |
| 4 21 | 16 34.68 | −10 37.4 | 1.594 | 2.458 | 14.9 | 19.8 |
| 5 1 | 16 29.12 | −10 3.5 | 1.530 | 2.463 | 11.3 | 19.6 |
| 5 11 | 16 21.23 | − 9 33.5 | 1.489 | 2.467 | 7.5 | 19.4 |
| 5 21 | 16 11.83 | − 9 11.0 | 1.472 | 2.471 | 4.9 | 19.2 |
| 5 31 | 16 2.05 | − 8 59.3 | 1.481 | 2.475 | 6.0 | 19.3 |
| 6 10 | 15 53.07 | − 9 0.8 | 1.515 | 2.478 | 9.5 | 19.5 |
| 6 20 | 15 45.85 | − 9 16.1 | 1.573 | 2.482 | 13.2 | 19.7 |
| 6 30 | 15 41.04 | − 9 44.6 | 1.651 | 2.485 | 16.5 | 20.0 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **111570** Ágasvár | | | 5 24.9 125°.12 | | 0°.4/25.2 17 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 31.53 | −22 58.0 | 2.355 | 3.202 | 11.3 | 20.2 |
| 5 1 | 16 26.27 | −22 51.6 | 2.280 | 3.206 | 8.4 | 20.0 |
| 5 11 | 16 19.30 | −22 39.9 | 2.229 | 3.210 | 5.1 | 19.8 |
| 5 21 | 16 11.25 | −22 23.6 | 2.205 | 3.214 | 1.6 | 19.6 |
| 5 31 | 16 2.91 | −22 3.9 | 2.209 | 3.218 | 2.1 | 19.6 |
| 6 10 | 15 55.12 | −21 43.1 | 2.242 | 3.222 | 5.6 | 19.8 |
| 6 20 | 15 48.59 | −21 23.7 | 2.301 | 3.226 | 8.8 | 20.1 |
| 6 30 | 15 43.84 | −21 8.1 | 2.383 | 3.230 | 11.6 | 20.2 |
| **31555** Wheeler | | | 5 24.9 64°.58 | | 1°.4/25.3 18 | |
| 4 21 | 16 37.81 | −22 48.1 | 1.352 | 2.217 | 17.0 | 18.3 |
| 5 1 | 16 32.10 | −23 16.7 | 1.287 | 2.222 | 12.7 | 18.0 |
| 5 11 | 16 23.34 | −23 39.7 | 1.243 | 2.227 | 7.9 | 17.8 |
| 5 21 | 16 12.50 | −23 55.4 | 1.223 | 2.232 | 2.8 | 17.5 |
| 5 31 | 16 1.03 | −24 3.6 | 1.227 | 2.237 | 3.4 | 17.5 |
| 6 10 | 15 50.53 | −24 6.3 | 1.257 | 2.242 | 8.5 | 17.8 |
| 6 20 | 15 42.30 | −24 7.0 | 1.310 | 2.247 | 13.2 | 18.1 |
| 6 30 | 15 37.18 | −24 9.7 | 1.383 | 2.252 | 17.2 | 18.4 |
| **346024** 2007 $TA_{339}$ | | | 5 24.9 240°.80 | | 0°.7/25.3 17 | |
| 4 21 | 16 32.60 | −23 45.2 | 2.170 | 3.018 | 12.1 | 21.6 |
| 5 1 | 16 27.30 | −23 38.9 | 2.085 | 3.011 | 9.1 | 21.4 |
| 5 11 | 16 20.05 | −23 26.4 | 2.024 | 3.005 | 5.6 | 21.2 |
| 5 21 | 16 11.50 | −23 7.8 | 1.989 | 2.998 | 1.8 | 20.9 |
| 5 31 | 16 2.54 | −22 44.6 | 1.982 | 2.991 | 2.3 | 20.9 |
| 6 10 | 15 54.11 | −22 19.3 | 2.003 | 2.984 | 6.1 | 21.2 |
| 6 20 | 15 47.04 | −21 54.9 | 2.050 | 2.977 | 9.7 | 21.4 |
| 6 30 | 15 41.95 | −21 34.5 | 2.120 | 2.969 | 12.8 | 21.5 |
| **90020** 2002 $TV_{285}$ | | | 5 24.9 102°.56 | | 1°.9/25.8 18 | |
| 4 21 | 16 37.85 | −27 6.2 | 1.328 | 2.189 | 17.5 | 19.4 |
| 5 1 | 16 32.06 | −26 50.0 | 1.266 | 2.198 | 13.2 | 19.2 |
| 5 11 | 16 23.22 | −26 20.2 | 1.225 | 2.206 | 8.3 | 18.9 |
| 5 21 | 16 12.43 | −25 36.8 | 1.207 | 2.215 | 3.3 | 18.7 |
| 5 31 | 16 1.23 | −24 43.1 | 1.214 | 2.223 | 3.5 | 18.7 |
| 6 10 | 15 51.22 | −23 45.1 | 1.246 | 2.231 | 8.5 | 19.0 |
| 6 20 | 15 43.61 | −22 49.8 | 1.302 | 2.239 | 13.2 | 19.3 |
| 6 30 | 15 39.12 | −22 3.3 | 1.377 | 2.247 | 17.2 | 19.6 |
| **93534** 2000 $UU_{13}$ | | | 5 24.9 160°.88 | | 1°.9/25.7 18 | |
| 4 21 | 16 37.18 | −25 54.8 | 2.261 | 3.095 | 12.2 | 19.7 |
| 5 1 | 16 30.61 | −26 21.4 | 2.184 | 3.101 | 9.2 | 19.5 |
| 5 11 | 16 22.02 | −26 41.6 | 2.131 | 3.106 | 5.9 | 19.3 |
| 5 21 | 16 12.08 | −26 54.2 | 2.106 | 3.111 | 2.7 | 19.1 |
| 5 31 | 16 1.72 | −26 59.0 | 2.109 | 3.115 | 2.8 | 19.1 |
| 6 10 | 15 51.95 | −26 57.2 | 2.141 | 3.119 | 6.0 | 19.3 |
| 6 20 | 15 43.61 | −26 51.6 | 2.199 | 3.122 | 9.3 | 19.5 |
| 6 30 | 15 37.36 | −26 45.2 | 2.281 | 3.124 | 12.2 | 19.7 |
| **192728** 1999 $TU_{169}$ | | | 5 25.0 192°.54 | | 0°.6/25.3 18 | |
| 4 21 | 16 33.58 | −23 49.6 | 2.059 | 2.908 | 12.6 | 20.6 |
| 5 1 | 16 28.05 | −23 38.1 | 1.980 | 2.907 | 9.5 | 20.4 |
| 5 11 | 16 20.51 | −23 19.8 | 1.924 | 2.906 | 5.8 | 20.2 |
| 5 21 | 16 11.64 | −22 55.0 | 1.895 | 2.904 | 1.9 | 19.9 |
| 5 31 | 16 2.39 | −22 25.5 | 1.894 | 2.903 | 2.4 | 20.0 |
| 6 10 | 15 53.77 | −21 54.3 | 1.920 | 2.901 | 6.4 | 20.2 |
| 6 20 | 15 46.61 | −21 24.8 | 1.972 | 2.899 | 10.0 | 20.4 |
| 6 30 | 15 41.54 | −21 0.3 | 2.047 | 2.897 | 13.2 | 20.6 |
| **33787** 1999 $RJ_{229}$ | | | 5 25.0 223°.59 | | 6°.8/21.2 18 | |
| 4 21 | 16 29.73 | + 0 18.1 | 2.468 | 3.300 | 11.3 | 19.1 |
| 5 1 | 16 24.79 | + 1 3.5 | 2.398 | 3.296 | 9.3 | 18.9 |
| 5 11 | 16 18.36 | + 1 39.7 | 2.351 | 3.292 | 7.6 | 18.8 |
| 5 21 | 16 11.00 | + 2 3.1 | 2.331 | 3.288 | 6.8 | 18.7 |
| 5 31 | 16 3.36 | + 2 10.9 | 2.337 | 3.284 | 7.5 | 18.8 |
| 6 10 | 15 56.18 | + 2 1.9 | 2.369 | 3.279 | 9.3 | 18.9 |
| 6 20 | 15 50.04 | + 1 36.6 | 2.424 | 3.274 | 11.4 | 19.0 |
| 6 30 | 15 45.45 | + 0 56.6 | 2.501 | 3.269 | 13.4 | 19.1 |
| **178599** 2000 $CK_{37}$ | | | 5 25.0 136°.97 | | 2°.8/26.2 17 | |
| 4 21 | 16 36.75 | −29 8.4 | 1.737 | 2.580 | 14.9 | 20.4 |
| 5 1 | 16 30.76 | −29 6.5 | 1.666 | 2.586 | 11.4 | 20.2 |
| 5 11 | 16 22.27 | −28 52.4 | 1.617 | 2.592 | 7.5 | 20.0 |
| 5 21 | 16 12.17 | −28 25.1 | 1.594 | 2.597 | 3.7 | 19.7 |
| 5 31 | 16 1.66 | −27 46.3 | 1.597 | 2.603 | 3.5 | 19.7 |
| 6 10 | 15 52.05 | −27 0.0 | 1.626 | 2.608 | 7.2 | 20.0 |
| 6 20 | 15 44.34 | −26 11.6 | 1.681 | 2.613 | 11.1 | 20.2 |
| 6 30 | 15 39.23 | −25 26.7 | 1.758 | 2.617 | 14.5 | 20.4 |
| **126994** 2002 $FC_{34}$ | | | 5 25.0 81°.20 | | 4°.5/23.5 17 | |
| 4 21 | 16 33.58 | − 9 34.1 | 1.785 | 2.645 | 13.8 | 19.6 |
| 5 1 | 16 28.08 | − 9 15.0 | 1.723 | 2.652 | 10.5 | 19.4 |
| 5 11 | 16 20.52 | − 9 1.0 | 1.683 | 2.659 | 7.0 | 19.2 |
| 5 21 | 16 11.64 | − 8 54.9 | 1.668 | 2.666 | 4.6 | 19.0 |
| 5 31 | 16 2.44 | − 8 58.9 | 1.680 | 2.673 | 5.6 | 19.1 |
| 6 10 | 15 53.96 | − 9 14.2 | 1.719 | 2.680 | 8.7 | 19.3 |
| 6 20 | 15 47.04 | − 9 40.9 | 1.781 | 2.688 | 12.0 | 19.5 |
| 6 30 | 15 42.28 | −10 18.2 | 1.865 | 2.695 | 15.0 | 19.7 |

**201667** 2003 $UX_{51}$ 5 25.0 111°.36 2°.0/26.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.13 | −29 16.4 | 2.075 | 2.912 | 13.0 | 20.2 |
| 5 1 | 16 28.37 | −28 50.1 | 2.005 | 2.922 | 9.9 | 20.0 |
| 5 11 | 16 20.61 | −28 12.1 | 1.957 | 2.932 | 6.4 | 19.8 |
| 5 21 | 16 11.65 | −27 22.9 | 1.936 | 2.941 | 2.9 | 19.6 |
| 5 31 | 16 2.47 | −26 25.1 | 1.943 | 2.950 | 2.8 | 19.6 |
| 6 10 | 15 54.07 | −25 23.0 | 1.978 | 2.960 | 6.2 | 19.8 |
| 6 20 | 15 47.25 | −24 21.5 | 2.039 | 2.968 | 9.6 | 20.0 |
| 6 30 | 15 42.57 | −23 25.2 | 2.124 | 2.977 | 12.6 | 20.3 |

**169926** 2002 $SD_{40}$ 5 25.0 324°.59 2°.4/24.2 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.02 | −16 7.8 | 1.512 | 2.388 | 14.9 | 19.8 |
| 5 1 | 16 26.17 | −15 53.6 | 1.424 | 2.366 | 11.2 | 19.5 |
| 5 11 | 16 19.78 | −15 38.4 | 1.358 | 2.344 | 7.0 | 19.2 |
| 5 21 | 16 11.53 | −15 24.5 | 1.315 | 2.323 | 2.9 | 18.9 |
| 5 31 | 16 2.51 | −15 14.5 | 1.297 | 2.303 | 4.3 | 19.0 |
| 6 10 | 15 54.02 | −15 11.4 | 1.304 | 2.283 | 8.9 | 19.2 |
| 6 20 | 15 47.19 | −15 17.4 | 1.333 | 2.264 | 13.4 | 19.4 |
| 6 30 | 15 42.92 | −15 34.2 | 1.382 | 2.247 | 17.4 | 19.6 |

**337182** 1999 $VL_{118}$ 5 25.0 308°.26 1°.0/25.2 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.11 | −21 11.9 | 1.629 | 2.490 | 14.8 | 21.2 |
| 5 1 | 16 30.06 | −21 50.6 | 1.534 | 2.467 | 11.2 | 20.9 |
| 5 11 | 16 22.23 | −22 28.2 | 1.461 | 2.445 | 7.0 | 20.6 |
| 5 21 | 16 12.28 | −23 2.9 | 1.414 | 2.423 | 2.3 | 20.2 |
| 5 31 | 16 1.35 | −23 33.5 | 1.392 | 2.401 | 3.1 | 20.2 |
| 6 10 | 15 50.83 | −24 0.0 | 1.397 | 2.380 | 8.0 | 20.5 |
| 6 20 | 15 41.97 | −24 24.1 | 1.425 | 2.359 | 12.6 | 20.7 |
| 6 30 | 15 35.81 | −24 48.2 | 1.475 | 2.338 | 16.6 | 20.9 |

**187348** 2005 $UH_{195}$ 5 25.0 66°.41 0°.5/25.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.79 | −21 38.6 | 2.304 | 3.152 | 11.5 | 20.2 |
| 5 1 | 16 27.27 | −21 58.3 | 2.231 | 3.158 | 8.6 | 20.0 |
| 5 11 | 16 19.97 | −22 14.8 | 2.182 | 3.164 | 5.2 | 19.8 |
| 5 21 | 16 11.50 | −22 27.7 | 2.160 | 3.170 | 1.6 | 19.6 |
| 5 31 | 16 2.68 | −22 37.3 | 2.167 | 3.176 | 2.2 | 19.6 |
| 6 10 | 15 54.40 | −22 44.6 | 2.202 | 3.182 | 5.7 | 19.9 |
| 6 20 | 15 47.40 | −22 51.2 | 2.263 | 3.188 | 9.0 | 20.1 |
| 6 30 | 15 42.25 | −22 59.3 | 2.347 | 3.194 | 11.8 | 20.3 |

**174686** 2003 $TM_{37}$ 5 25.0 152°.46 2°.4/26.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.89 | −28 41.8 | 1.650 | 2.496 | 15.4 | 20.5 |
| 5 1 | 16 30.98 | −28 28.2 | 1.578 | 2.500 | 11.7 | 20.3 |
| 5 11 | 16 22.47 | −28 1.5 | 1.527 | 2.504 | 7.6 | 20.1 |
| 5 21 | 16 12.27 | −27 21.4 | 1.502 | 2.507 | 3.4 | 19.8 |
| 5 31 | 16 1.65 | −26 30.0 | 1.503 | 2.510 | 3.4 | 19.8 |
| 6 10 | 15 51.96 | −25 32.5 | 1.530 | 2.513 | 7.5 | 20.1 |
| 6 20 | 15 44.26 | −24 34.7 | 1.583 | 2.516 | 11.6 | 20.3 |
| 6 30 | 15 39.26 | −23 42.6 | 1.657 | 2.518 | 15.2 | 20.5 |

**60198** 1999 $VT_{54}$ 5 25.0 172°.58 2°.5/23.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.92 | −16 40.8 | 1.970 | 2.830 | 12.7 | 19.5 |
| 5 1 | 16 26.77 | −15 48.7 | 1.897 | 2.831 | 9.4 | 19.3 |
| 5 11 | 16 19.71 | −14 53.5 | 1.848 | 2.832 | 5.8 | 19.1 |
| 5 21 | 16 11.44 | −13 58.4 | 1.826 | 2.832 | 2.8 | 18.9 |
| 5 31 | 16 2.87 | −13 7.4 | 1.831 | 2.832 | 4.0 | 18.9 |
| 6 10 | 15 54.95 | −12 24.2 | 1.863 | 2.833 | 7.5 | 19.2 |
| 6 20 | 15 48.45 | −11 51.8 | 1.921 | 2.833 | 11.0 | 19.4 |
| 6 30 | 15 43.95 | −11 32.0 | 2.000 | 2.833 | 14.1 | 19.6 |

**418048** 2007 $VW_{111}$ 5 25.0 210°.12 0°.4/24.8 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.37 | −21 34.3 | 1.814 | 2.667 | 13.9 | 22.2 |
| 5 1 | 16 30.40 | −21 10.7 | 1.732 | 2.662 | 10.4 | 22.0 |
| 5 11 | 16 22.07 | −20 40.4 | 1.673 | 2.656 | 6.3 | 21.7 |
| 5 21 | 16 12.17 | −20 4.7 | 1.639 | 2.649 | 1.8 | 21.4 |
| 5 31 | 16 1.76 | −19 26.0 | 1.633 | 2.642 | 2.9 | 21.5 |
| 6 10 | 15 52.04 | −18 48.3 | 1.655 | 2.634 | 7.4 | 21.7 |
| 6 20 | 15 43.98 | −18 15.5 | 1.702 | 2.625 | 11.5 | 22.0 |
| 6 30 | 15 38.32 | −17 51.0 | 1.770 | 2.616 | 15.0 | 22.2 |

**106527** 2000 $WW_{56}$ 5 25.0 178°.30 0°.3/24.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.73 | −18 46.8 | 2.787 | 3.626 | 10.0 | 20.3 |
| 5 1 | 16 27.70 | −19 5.4 | 2.704 | 3.628 | 7.4 | 20.1 |
| 5 11 | 16 20.14 | −19 22.9 | 2.648 | 3.629 | 4.4 | 19.9 |
| 5 21 | 16 11.56 | −19 39.1 | 2.619 | 3.629 | 1.3 | 19.7 |
| 5 31 | 16 2.66 | −19 54.2 | 2.621 | 3.629 | 2.0 | 19.7 |
| 6 10 | 15 54.16 | −20 9.0 | 2.652 | 3.629 | 5.1 | 19.9 |
| 6 20 | 15 46.69 | −20 24.4 | 2.712 | 3.628 | 8.0 | 20.1 |
| 6 30 | 15 40.79 | −20 41.5 | 2.796 | 3.628 | 10.5 | 20.3 |

**498291** 2007 $VY_{78}$ 5 25.0 68°.27 0°.4/24.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.36 | −20 35.0 | 1.374 | 2.243 | 16.5 | 21.4 |
| 5 1 | 16 30.73 | −20 30.1 | 1.319 | 2.257 | 12.3 | 21.2 |
| 5 11 | 16 22.34 | −20 20.3 | 1.285 | 2.271 | 7.4 | 21.0 |
| 5 21 | 16 12.23 | −20 6.2 | 1.274 | 2.285 | 2.1 | 20.7 |
| 5 31 | 16 1.76 | −19 50.1 | 1.290 | 2.299 | 3.3 | 20.8 |
| 6 10 | 15 52.38 | −19 35.4 | 1.330 | 2.313 | 8.3 | 21.1 |
| 6 20 | 15 45.16 | −19 25.4 | 1.393 | 2.327 | 12.8 | 21.4 |
| 6 30 | 15 40.79 | −19 22.9 | 1.477 | 2.341 | 16.5 | 21.7 |

**346032** 2007 $TW_{383}$ 5 25.0 261°.97 1°.6/24.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 31.35 | −18 28.0 | 2.087 | 2.945 | 12.1 | 21.5 |
| 5 1 | 16 26.39 | −17 54.4 | 2.003 | 2.936 | 9.0 | 21.3 |
| 5 11 | 16 19.53 | −17 16.9 | 1.943 | 2.927 | 5.5 | 21.0 |
| 5 21 | 16 11.41 | −16 37.6 | 1.909 | 2.917 | 2.0 | 20.8 |
| 5 31 | 16 2.90 | −15 59.4 | 1.903 | 2.908 | 3.2 | 20.8 |
| 6 10 | 15 54.92 | −15 25.5 | 1.924 | 2.899 | 6.9 | 21.0 |
| 6 20 | 15 48.27 | −14 58.8 | 1.971 | 2.889 | 10.4 | 21.2 |
| 6 30 | 15 43.55 | −14 41.5 | 2.040 | 2.880 | 13.6 | 21.4 |

**507099** 2009 $HQ_{26}$ 5 25.0 94°.32 0°.3/24.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.08 | −20 44.6 | 2.208 | 3.060 | 11.8 | 21.7 |
| 5 1 | 16 26.74 | −20 36.8 | 2.139 | 3.069 | 8.7 | 21.5 |
| 5 11 | 16 19.64 | −20 25.2 | 2.094 | 3.077 | 5.2 | 21.3 |
| 5 21 | 16 11.42 | −20 10.5 | 2.076 | 3.086 | 1.5 | 21.0 |
| 5 31 | 16 2.93 | −19 54.4 | 2.086 | 3.094 | 2.3 | 21.1 |
| 6 10 | 15 55.05 | −19 38.9 | 2.124 | 3.103 | 6.0 | 21.4 |
| 6 20 | 15 48.50 | −19 26.4 | 2.187 | 3.111 | 9.3 | 21.6 |
| 6 30 | 15 43.81 | −19 18.8 | 2.274 | 3.119 | 12.2 | 21.8 |

**56505** 2000 $GV_{171}$ 5 25.0 172°.64 3°.1/24.0 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.24 | −15 10.8 | 1.404 | 2.274 | 16.2 | 19.8 |
| 5 1 | 16 30.69 | −14 46.1 | 1.337 | 2.275 | 12.1 | 19.5 |
| 5 11 | 16 22.41 | −14 21.0 | 1.291 | 2.276 | 7.5 | 19.3 |
| 5 21 | 16 12.29 | −13 58.4 | 1.270 | 2.276 | 3.5 | 19.0 |
| 5 31 | 16 1.64 | −13 41.5 | 1.273 | 2.277 | 4.9 | 19.1 |
| 6 10 | 15 51.88 | −13 33.6 | 1.302 | 2.277 | 9.4 | 19.4 |
| 6 20 | 15 44.14 | −13 36.7 | 1.353 | 2.277 | 13.9 | 19.6 |
| 6 30 | 15 39.21 | −13 51.9 | 1.424 | 2.277 | 17.7 | 19.9 |

**384777** 2012 $PT_{2}$ 5 25.0 108°.04 1°.7/24.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.68 | −17 44.8 | 2.027 | 2.884 | 12.5 | 20.8 |
| 5 1 | 16 27.23 | −17 13.2 | 1.962 | 2.894 | 9.2 | 20.6 |
| 5 11 | 16 19.94 | −16 38.8 | 1.921 | 2.904 | 5.6 | 20.4 |
| 5 21 | 16 11.51 | −16 4.0 | 1.906 | 2.914 | 2.2 | 20.2 |
| 5 31 | 16 2.83 | −15 31.5 | 1.919 | 2.924 | 3.3 | 20.3 |
| 6 10 | 15 54.85 | −15 4.2 | 1.960 | 2.934 | 6.9 | 20.5 |
| 6 20 | 15 48.30 | −14 44.5 | 2.026 | 2.943 | 10.3 | 20.7 |
| 6 30 | 15 43.73 | −14 34.1 | 2.115 | 2.953 | 13.2 | 20.9 |

**237361** 1981 $EE_{48}$ 5 25.0 26°.47 6°.7/21.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.23 | − 7 59.4 | 1.549 | 2.422 | 14.8 | 19.6 |
| 5 1 | 16 25.05 | − 6 38.7 | 1.498 | 2.430 | 11.4 | 19.4 |
| 5 11 | 16 18.76 | − 5 23.3 | 1.468 | 2.440 | 8.3 | 19.2 |
| 5 21 | 16 11.18 | − 4 19.7 | 1.462 | 2.450 | 6.8 | 19.2 |
| 5 31 | 16 3.36 | − 3 33.4 | 1.482 | 2.460 | 8.0 | 19.3 |
| 6 10 | 15 56.35 | − 3 7.9 | 1.525 | 2.472 | 10.8 | 19.5 |
| 6 20 | 15 50.98 | − 3 3.6 | 1.590 | 2.484 | 14.0 | 19.7 |
| 6 30 | 15 47.82 | − 3 19.1 | 1.674 | 2.496 | 16.8 | 19.9 |

**49117** 1998 $SC_{10}$ 5 25.0 327°.48 3°.8/26.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.34 | −28 26.0 | 1.661 | 2.512 | 15.1 | 17.7 |
| 5 1 | 16 29.43 | −29 10.5 | 1.579 | 2.501 | 11.7 | 17.5 |
| 5 11 | 16 21.78 | −29 46.8 | 1.517 | 2.491 | 7.9 | 17.2 |
| 5 21 | 16 12.16 | −30 11.6 | 1.480 | 2.482 | 4.5 | 17.0 |
| 5 31 | 16 1.76 | −30 23.5 | 1.469 | 2.472 | 4.4 | 17.0 |
| 6 10 | 15 51.96 | −30 23.7 | 1.484 | 2.464 | 7.9 | 17.2 |
| 6 20 | 15 43.98 | −30 15.6 | 1.522 | 2.456 | 11.9 | 17.4 |
| 6 30 | 15 38.74 | −30 4.1 | 1.581 | 2.448 | 15.5 | 17.6 |

**419339** 2009 $WN_{172}$ 5 25.0 108°.56 2°.2/24.2 15

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.56 | −14 14.1 | 2.153 | 2.999 | 12.2 | 22.1 |
| 5 1 | 16 29.90 | −14 12.7 | 2.096 | 3.022 | 9.0 | 21.9 |
| 5 11 | 16 21.45 | −14 12.5 | 2.064 | 3.044 | 5.6 | 21.7 |
| 5 21 | 16 11.94 | −14 14.4 | 2.059 | 3.065 | 2.5 | 21.6 |
| 5 31 | 16 2.24 | −14 19.6 | 2.083 | 3.086 | 3.4 | 21.7 |
| 6 10 | 15 53.27 | −14 29.3 | 2.136 | 3.106 | 6.7 | 21.9 |
| 6 20 | 15 45.74 | −14 44.3 | 2.215 | 3.125 | 9.8 | 22.1 |
| 6 30 | 15 40.17 | −15 5.2 | 2.317 | 3.144 | 12.6 | 22.4 |

**134024** 2004 $VN_{65}$ 5 25.0 216°.88 1°.4/24.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.72 | −17 44.3 | 2.318 | 3.167 | 11.4 | 20.8 |
| 5 1 | 16 27.98 | −17 25.0 | 2.231 | 3.159 | 8.5 | 20.6 |
| 5 11 | 16 20.43 | −17 3.3 | 2.167 | 3.150 | 5.2 | 20.4 |
| 5 21 | 16 11.69 | −16 40.6 | 2.132 | 3.140 | 1.9 | 20.2 |
| 5 31 | 16 2.54 | −16 18.7 | 2.125 | 3.130 | 2.9 | 20.2 |
| 6 10 | 15 53.87 | −16 0.0 | 2.146 | 3.119 | 6.4 | 20.4 |
| 6 20 | 15 46.42 | −15 46.7 | 2.194 | 3.108 | 9.7 | 20.6 |
| 6 30 | 15 40.79 | −15 40.6 | 2.265 | 3.096 | 12.7 | 20.8 |

**329784** 2004 $NC_{30}$ 5 25.0 326°.52 3°.7/23.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 28.53 | −16 16.2 | 1.280 | 2.167 | 16.3 | 19.8 |
| 5 1 | 16 25.40 | −15 21.1 | 1.198 | 2.145 | 12.3 | 19.5 |
| 5 11 | 16 19.46 | −14 20.8 | 1.136 | 2.124 | 7.8 | 19.2 |
| 5 21 | 16 11.51 | −13 19.8 | 1.098 | 2.104 | 4.0 | 18.9 |
| 5 31 | 16 2.76 | −12 24.5 | 1.082 | 2.085 | 5.7 | 18.9 |
| 6 10 | 15 54.68 | −11 41.2 | 1.090 | 2.067 | 10.6 | 19.1 |
| 6 20 | 15 48.51 | −11 14.7 | 1.119 | 2.050 | 15.4 | 19.4 |
| 6 30 | 15 45.18 | −11 7.3 | 1.165 | 2.034 | 19.7 | 19.6 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **202801** 2008 $RC_{47}$ | | | 5 25.0 245°.13 | | 1°.3/24.4 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.34 | −18 37.1 | 2.132 | 2.985 | 12.1 | 21.4 |
| 5 1 | 16 27.90 | −18 13.0 | 2.041 | 2.971 | 9.0 | 21.2 |
| 5 11 | 16 20.49 | −17 45.2 | 1.973 | 2.956 | 5.5 | 21.0 |
| 5 21 | 16 11.73 | −17 15.2 | 1.932 | 2.941 | 1.9 | 20.7 |
| 5 31 | 16 2.49 | −16 45.5 | 1.920 | 2.926 | 3.0 | 20.8 |
| 6 10 | 15 53.73 | −16 18.9 | 1.935 | 2.910 | 6.8 | 21.0 |
| 6 20 | 15 46.28 | −15 58.1 | 1.976 | 2.894 | 10.5 | 21.2 |
| 6 30 | 15 40.79 | −15 45.5 | 2.039 | 2.877 | 13.7 | 21.3 |
| **153639** 2001 $TZ_{76}$ | | | 5 25.0 170°.00 | | 2°.3/23.9 18 | |
| 4 21 | 16 34.29 | −15 37.4 | 2.114 | 2.966 | 12.2 | 20.5 |
| 5 1 | 16 28.42 | −15 10.6 | 2.040 | 2.970 | 9.1 | 20.3 |
| 5 11 | 16 20.68 | −14 42.8 | 1.991 | 2.973 | 5.6 | 20.1 |
| 5 21 | 16 11.76 | −14 16.0 | 1.969 | 2.975 | 2.6 | 19.9 |
| 5 31 | 16 2.52 | −13 52.6 | 1.975 | 2.977 | 3.6 | 20.0 |
| 6 10 | 15 53.89 | −13 35.3 | 2.009 | 2.979 | 7.0 | 20.2 |
| 6 20 | 15 46.64 | −13 25.9 | 2.068 | 2.980 | 10.4 | 20.4 |
| 6 30 | 15 41.34 | −13 25.5 | 2.151 | 2.980 | 13.3 | 20.6 |
| **410382** 2007 $VT_{267}$ | | | 5 25.0 175°.07 | | 1°.7/24.3 16 | |
| 4 21 | 16 36.51 | −18 8.9 | 1.893 | 2.745 | 13.4 | 23.0 |
| 5 1 | 16 30.28 | −17 40.5 | 1.818 | 2.749 | 9.9 | 22.7 |
| 5 11 | 16 21.90 | −17 8.7 | 1.768 | 2.751 | 6.0 | 22.5 |
| 5 21 | 16 12.13 | −16 35.2 | 1.744 | 2.752 | 2.2 | 22.3 |
| 5 31 | 16 1.98 | −16 3.1 | 1.748 | 2.753 | 3.4 | 22.3 |
| 6 10 | 15 52.55 | −15 35.4 | 1.779 | 2.754 | 7.4 | 22.6 |
| 6 20 | 15 44.72 | −15 15.2 | 1.836 | 2.753 | 11.2 | 22.8 |
| 6 30 | 15 39.12 | −15 4.5 | 1.915 | 2.752 | 14.5 | 23.0 |
| **158084** 2000 $VX_{12}$ | | | 5 25.0 202°.10 | | 0°.5/24.7 18 | |
| 4 21 | 16 30.93 | −19 52.6 | 2.852 | 3.695 | 9.7 | 21.7 |
| 5 1 | 16 25.62 | −19 39.3 | 2.766 | 3.691 | 7.1 | 21.6 |
| 5 11 | 16 18.88 | −19 23.0 | 2.705 | 3.687 | 4.3 | 21.4 |
| 5 21 | 16 11.23 | −19 4.6 | 2.672 | 3.682 | 1.3 | 21.1 |
| 5 31 | 16 3.30 | −18 45.4 | 2.669 | 3.677 | 2.1 | 21.2 |
| 6 10 | 15 55.76 | −18 27.2 | 2.695 | 3.671 | 5.1 | 21.4 |
| 6 20 | 15 49.22 | −18 12.0 | 2.748 | 3.665 | 7.9 | 21.6 |
| 6 30 | 15 44.13 | −18 1.3 | 2.826 | 3.659 | 10.4 | 21.7 |
| **131886** 2002 $AU_{168}$ | | | 5 25.0 233°.43 | | 0°.3/24.9 17 | |
| 4 21 | 16 36.80 | −21 59.8 | 1.674 | 2.530 | 14.7 | 20.9 |
| 5 1 | 16 31.00 | −21 38.9 | 1.588 | 2.519 | 11.0 | 20.6 |
| 5 11 | 16 22.60 | −21 10.5 | 1.524 | 2.508 | 6.7 | 20.3 |
| 5 21 | 16 12.39 | −20 35.5 | 1.486 | 2.496 | 2.0 | 20.0 |
| 5 31 | 16 1.55 | −19 56.6 | 1.475 | 2.484 | 3.0 | 20.0 |
| 6 10 | 15 51.37 | −19 17.7 | 1.490 | 2.470 | 7.9 | 20.3 |
| 6 20 | 15 42.99 | −18 43.6 | 1.530 | 2.457 | 12.3 | 20.5 |
| 6 30 | 15 37.20 | −18 18.0 | 1.591 | 2.443 | 16.2 | 20.7 |
| **44860** 1999 $UC_{15}$ | | | 5 25.0 192°.49 | | 1°.2/25.4 18 | |
| 4 21 | 16 37.68 | −23 35.9 | 1.787 | 2.636 | 14.2 | 20.1 |
| 5 1 | 16 31.49 | −23 51.1 | 1.709 | 2.635 | 10.7 | 19.8 |
| 5 11 | 16 22.82 | −24 0.4 | 1.653 | 2.634 | 6.6 | 19.6 |
| 5 21 | 16 12.44 | −24 2.8 | 1.623 | 2.632 | 2.4 | 19.3 |
| 5 31 | 16 1.50 | −23 58.6 | 1.621 | 2.630 | 2.8 | 19.3 |
| 6 10 | 15 51.25 | −23 49.9 | 1.646 | 2.627 | 7.2 | 19.6 |
| 6 20 | 15 42.76 | −23 40.0 | 1.695 | 2.624 | 11.2 | 19.8 |
| 6 30 | 15 36.77 | −23 32.5 | 1.767 | 2.620 | 14.8 | 20.1 |
| **338833** 2003 $WF_{111}$ | | | 5 25.0 207°.48 | | 1°.5/25.8 18 | |
| 4 21 | 16 33.77 | −26 32.5 | 2.277 | 3.116 | 11.9 | 21.5 |
| 5 1 | 16 28.13 | −26 27.5 | 2.192 | 3.112 | 9.0 | 21.3 |
| 5 11 | 16 20.57 | −26 14.4 | 2.131 | 3.107 | 5.7 | 21.1 |
| 5 21 | 16 11.75 | −25 53.1 | 2.096 | 3.103 | 2.4 | 20.8 |
| 5 31 | 16 2.54 | −25 24.7 | 2.090 | 3.098 | 2.5 | 20.8 |
| 6 10 | 15 53.89 | −24 52.0 | 2.112 | 3.093 | 5.9 | 21.0 |
| 6 20 | 15 46.59 | −24 18.4 | 2.161 | 3.087 | 9.3 | 21.2 |
| 6 30 | 15 41.25 | −23 47.4 | 2.233 | 3.081 | 12.3 | 21.4 |
| **104559** 2000 $GZ_{70}$ | | | 5 25.0 22°.12 | | 1°.6/24.3 17 | |
| 4 21 | 16 30.64 | −18 40.8 | 1.678 | 2.547 | 14.0 | 19.1 |
| 5 1 | 16 26.14 | −18 10.6 | 1.613 | 2.552 | 10.4 | 18.8 |
| 5 11 | 16 19.47 | −17 36.8 | 1.571 | 2.557 | 6.3 | 18.6 |
| 5 21 | 16 11.43 | −17 1.5 | 1.554 | 2.564 | 2.2 | 18.4 |
| 5 31 | 16 3.06 | −16 28.2 | 1.563 | 2.570 | 3.5 | 18.5 |
| 6 10 | 15 55.46 | −16 0.3 | 1.598 | 2.577 | 7.6 | 18.7 |
| 6 20 | 15 49.48 | −15 40.8 | 1.657 | 2.585 | 11.5 | 19.0 |
| 6 30 | 15 45.76 | −15 31.5 | 1.737 | 2.593 | 14.9 | 19.2 |
| **105687** 2000 $SS_{55}$ | | | 5 25.0 231°.71 | | 0°.5/24.7 18 | |
| 4 21 | 16 31.16 | −20 27.7 | 2.670 | 3.515 | 10.2 | 20.7 |
| 5 1 | 16 25.93 | −20 8.9 | 2.578 | 3.504 | 7.6 | 20.5 |
| 5 11 | 16 19.14 | −19 46.2 | 2.511 | 3.493 | 4.6 | 20.3 |
| 5 21 | 16 11.33 | −19 20.7 | 2.472 | 3.481 | 1.4 | 20.1 |
| 5 31 | 16 3.18 | −18 53.9 | 2.462 | 3.469 | 2.2 | 20.1 |
| 6 10 | 15 55.44 | −18 28.1 | 2.480 | 3.457 | 5.4 | 20.3 |
| 6 20 | 15 48.73 | −18 5.6 | 2.526 | 3.444 | 8.5 | 20.5 |
| 6 30 | 15 43.60 | −17 48.3 | 2.596 | 3.431 | 11.1 | 20.6 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **428006** 2006 $BP_{84}$ | | | 5 25.0 157°.16 | | 1°.5/24.4 17 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.76 | −17 48.4 | 1.891 | 2.749 | 13.2 | 21.6 |
| 5 1 | 16 28.29 | −17 34.3 | 1.818 | 2.751 | 9.8 | 21.4 |
| 5 11 | 16 20.73 | −17 18.1 | 1.769 | 2.753 | 5.9 | 21.2 |
| 5 21 | 16 11.81 | −17 1.1 | 1.745 | 2.754 | 2.1 | 21.0 |
| 5 31 | 16 2.51 | −16 45.3 | 1.749 | 2.756 | 3.2 | 21.0 |
| 6 10 | 15 53.87 | −16 33.4 | 1.780 | 2.757 | 7.2 | 21.3 |
| 6 20 | 15 46.75 | −16 27.3 | 1.836 | 2.758 | 10.9 | 21.5 |
| 6 30 | 15 41.78 | −16 29.0 | 1.915 | 2.760 | 14.1 | 21.7 |
| **347754** 2002 $AG_{182}$ | | | 5 25.0 40°.95 | | 3°.3/23.9 17 | |
| 4 21 | 16 31.89 | −11 39.4 | 1.932 | 2.792 | 12.9 | 19.9 |
| 5 1 | 16 26.73 | −11 34.9 | 1.872 | 2.804 | 9.6 | 19.7 |
| 5 11 | 16 19.69 | −11 34.1 | 1.836 | 2.816 | 6.2 | 19.5 |
| 5 21 | 16 11.49 | −11 38.6 | 1.826 | 2.828 | 3.5 | 19.4 |
| 5 31 | 16 3.02 | −11 49.8 | 1.842 | 2.841 | 4.3 | 19.5 |
| 6 10 | 15 55.21 | −12 8.7 | 1.886 | 2.855 | 7.5 | 19.7 |
| 6 20 | 15 48.84 | −12 35.4 | 1.954 | 2.868 | 10.8 | 19.9 |
| 6 30 | 15 44.45 | −13 9.7 | 2.044 | 2.882 | 13.6 | 20.1 |
| **145908** 1999 $TO_{297}$ | | | 5 25.0 294°.76 | | 2°.5/26.2 18 | |
| 4 21 | 16 32.25 | −28 25.0 | 2.193 | 3.032 | 12.3 | 20.3 |
| 5 1 | 16 27.24 | −28 37.7 | 2.101 | 3.019 | 9.5 | 20.0 |
| 5 11 | 16 20.17 | −28 41.8 | 2.032 | 3.005 | 6.3 | 19.8 |
| 5 21 | 16 11.68 | −28 36.4 | 1.989 | 2.992 | 3.2 | 19.6 |
| 5 31 | 16 2.67 | −28 21.7 | 1.973 | 2.979 | 3.2 | 19.6 |
| 6 10 | 15 54.13 | −27 59.7 | 1.985 | 2.965 | 6.3 | 19.7 |
| 6 20 | 15 46.95 | −27 33.6 | 2.023 | 2.952 | 9.6 | 19.9 |
| 6 30 | 15 41.81 | −27 7.4 | 2.083 | 2.939 | 12.7 | 20.1 |
| **666** Desdemona | | | 5 25.0 231°.08 | | 1°.8/24.1 18 | |
| 4 21 | 16 33.62 | −17 54.4 | 2.242 | 3.092 | 11.7 | 15.6 |
| 5 1 | 16 27.99 | −17 15.7 | 2.150 | 3.079 | 8.7 | 15.4 |
| 5 11 | 16 20.50 | −16 33.0 | 2.083 | 3.066 | 5.3 | 15.2 |
| 5 21 | 16 11.75 | −15 48.6 | 2.044 | 3.051 | 2.1 | 14.9 |
| 5 31 | 16 2.59 | −15 5.2 | 2.033 | 3.037 | 3.3 | 15.0 |
| 6 10 | 15 53.91 | −14 26.3 | 2.050 | 3.021 | 6.8 | 15.2 |
| 6 20 | 15 46.49 | −13 54.9 | 2.094 | 3.005 | 10.3 | 15.4 |
| 6 30 | 15 40.94 | −13 33.1 | 2.160 | 2.989 | 13.3 | 15.5 |
| **222549** 2001 $VH_{9}$ | | | 5 25.0 150°.17 | | 1°.8/24.2 17 | |
| 4 21 | 16 34.78 | −16 40.6 | 2.154 | 3.004 | 12.1 | 21.0 |
| 5 1 | 16 28.73 | −16 19.7 | 2.084 | 3.013 | 9.0 | 20.8 |
| 5 11 | 16 20.86 | −15 57.4 | 2.039 | 3.021 | 5.5 | 20.6 |
| 5 21 | 16 11.83 | −15 35.3 | 2.021 | 3.029 | 2.2 | 20.4 |
| 5 31 | 16 2.54 | −15 15.4 | 2.032 | 3.036 | 3.2 | 20.5 |
| 6 10 | 15 53.88 | −15 0.1 | 2.070 | 3.042 | 6.7 | 20.7 |
| 6 20 | 15 46.61 | −14 51.3 | 2.135 | 3.048 | 10.0 | 20.9 |
| 6 30 | 15 41.28 | −14 50.4 | 2.222 | 3.054 | 12.9 | 21.1 |
| **502313** 2015 $BV_{153}$ | | | 5 25.0 194°.27 | | 2°.6/26.1 17 | |
| 4 21 | 16 37.15 | −28 18.3 | 1.978 | 2.814 | 13.6 | 22.5 |
| 5 1 | 16 30.97 | −28 29.7 | 1.896 | 2.812 | 10.4 | 22.3 |
| 5 11 | 16 22.44 | −28 31.6 | 1.837 | 2.810 | 6.8 | 22.1 |
| 5 21 | 16 12.35 | −28 22.4 | 1.804 | 2.808 | 3.4 | 21.9 |
| 5 31 | 16 1.74 | −28 2.7 | 1.799 | 2.804 | 3.3 | 21.8 |
| 6 10 | 15 51.81 | −27 35.1 | 1.821 | 2.801 | 6.8 | 22.0 |
| 6 20 | 15 43.52 | −27 3.6 | 1.869 | 2.797 | 10.4 | 22.3 |
| 6 30 | 15 37.62 | −26 32.8 | 1.940 | 2.792 | 13.7 | 22.5 |
| **396376** 2014 $DZ_{111}$ | | | 5 25.0 341°.66 | | 2°.7/23.9 17 | |
| 4 21 | 16 30.29 | −14 12.4 | 1.987 | 2.850 | 12.4 | 20.1 |
| 5 1 | 16 25.66 | −13 54.1 | 1.912 | 2.846 | 9.3 | 19.9 |
| 5 11 | 16 19.14 | −13 36.6 | 1.859 | 2.842 | 5.8 | 19.7 |
| 5 21 | 16 11.37 | −13 21.8 | 1.833 | 2.838 | 2.9 | 19.5 |
| 5 31 | 16 3.22 | −13 12.0 | 1.833 | 2.835 | 4.0 | 19.5 |
| 6 10 | 15 55.61 | −13 9.3 | 1.860 | 2.832 | 7.4 | 19.7 |
| 6 20 | 15 49.34 | −13 15.0 | 1.912 | 2.829 | 10.8 | 19.9 |
| 6 30 | 15 45.01 | −13 29.7 | 1.986 | 2.827 | 13.8 | 20.1 |
| **478303** 2011 $WH_{55}$ | | | 5 25.0 150°.10 | | 1°.9/25.8 17 | |
| 4 21 | 16 34.66 | −25 43.5 | 2.412 | 3.248 | 11.4 | 21.3 |
| 5 1 | 16 28.74 | −26 16.3 | 2.332 | 3.250 | 8.7 | 21.1 |
| 5 11 | 16 20.95 | −26 43.7 | 2.277 | 3.252 | 5.6 | 20.9 |
| 5 21 | 16 11.90 | −27 4.5 | 2.250 | 3.255 | 2.6 | 20.7 |
| 5 31 | 16 2.43 | −27 18.1 | 2.251 | 3.257 | 2.7 | 20.7 |
| 6 10 | 15 53.45 | −27 25.5 | 2.280 | 3.259 | 5.7 | 20.9 |
| 6 20 | 15 45.74 | −27 28.7 | 2.336 | 3.260 | 8.8 | 21.1 |
| 6 30 | 15 39.92 | −27 30.3 | 2.417 | 3.262 | 11.5 | 21.3 |
| **216992** 2000 $RO_{40}$ | | | 5 25.0 270°.60 | | 3°.0/23.3 18 | |
| 4 21 | 16 32.24 | −16 52.5 | 1.808 | 2.671 | 13.4 | 19.8 |
| 5 1 | 16 27.33 | −15 46.9 | 1.723 | 2.658 | 10.0 | 19.6 |
| 5 11 | 16 20.25 | −14 36.1 | 1.661 | 2.645 | 6.3 | 19.3 |
| 5 21 | 16 11.72 | −13 23.8 | 1.626 | 2.631 | 3.2 | 19.1 |
| 5 31 | 16 2.71 | −12 15.3 | 1.617 | 2.617 | 4.6 | 19.1 |
| 6 10 | 15 54.31 | −11 15.9 | 1.635 | 2.604 | 8.5 | 19.3 |
| 6 20 | 15 47.41 | −10 29.6 | 1.678 | 2.590 | 12.4 | 19.5 |
| 6 30 | 15 42.71 | − 9 59.1 | 1.741 | 2.576 | 15.8 | 19.7 |

**359717** 2011 $UO_1$ 5 25.0 72°.63 2°.8/23.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 30.10 | −16 0.1 | 2.218 | 3.076 | 11.5 | 20.3 |
| 5 1 | 16 25.20 | −14 50.8 | 2.150 | 3.082 | 8.5 | 20.1 |
| 5 11 | 16 18.69 | −13 38.8 | 2.107 | 3.088 | 5.3 | 19.9 |
| 5 21 | 16 11.21 | −12 27.8 | 2.091 | 3.095 | 2.9 | 19.8 |
| 5 31 | 16 3.53 | −11 22.0 | 2.103 | 3.101 | 4.1 | 19.8 |
| 6 10 | 15 56.45 | −10 25.4 | 2.144 | 3.107 | 7.1 | 20.0 |
| 6 20 | 15 50.62 | − 9 40.7 | 2.209 | 3.113 | 10.2 | 20.2 |
| 6 30 | 15 46.53 | − 9 9.6 | 2.298 | 3.120 | 12.8 | 20.4 |

**416026** 2002 $CA_{303}$ 5 25.0 73°.39 8°.4/22.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.24 | + 0 1.1 | 1.706 | 2.550 | 15.0 | 21.1 |
| 5 1 | 16 28.47 | + 0 46.9 | 1.663 | 2.570 | 12.2 | 21.0 |
| 5 11 | 16 20.71 | + 1 18.7 | 1.642 | 2.590 | 9.7 | 20.9 |
| 5 21 | 16 11.80 | + 1 32.3 | 1.645 | 2.610 | 8.4 | 20.8 |
| 5 31 | 16 2.74 | + 1 24.8 | 1.673 | 2.629 | 9.2 | 20.9 |
| 6 10 | 15 54.54 | + 0 56.2 | 1.725 | 2.649 | 11.3 | 21.1 |
| 6 20 | 15 47.99 | + 0 8.7 | 1.800 | 2.669 | 13.8 | 21.3 |
| 6 30 | 15 43.60 | − 0 54.2 | 1.894 | 2.688 | 16.2 | 21.5 |

**500771** 2013 $CT_{115}$ 5 25.0 359°.52 2°.2/25.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.06 | −27 58.1 | 1.072 | 1.953 | 19.3 | 20.6 |
| 5 1 | 16 28.48 | −27 30.8 | 1.009 | 1.950 | 14.7 | 20.3 |
| 5 11 | 16 21.47 | −26 45.3 | 0.964 | 1.949 | 9.4 | 20.0 |
| 5 21 | 16 12.14 | −25 42.3 | 0.940 | 1.948 | 3.8 | 19.7 |
| 5 31 | 16 2.18 | −24 26.5 | 0.939 | 1.949 | 3.8 | 19.7 |
| 6 10 | 15 53.43 | −23 6.6 | 0.960 | 1.950 | 9.5 | 20.0 |
| 6 20 | 15 47.27 | −21 52.1 | 1.002 | 1.952 | 14.8 | 20.3 |
| 6 30 | 15 44.56 | −20 50.6 | 1.062 | 1.955 | 19.4 | 20.6 |

**398235** 2010 $RS_{46}$ 5 25.0 211°.52 3°.6/22.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.10 | − 9 10.7 | 2.921 | 3.766 | 9.4 | 21.4 |
| 5 1 | 16 24.20 | − 8 29.7 | 2.839 | 3.760 | 7.2 | 21.3 |
| 5 11 | 16 18.02 | − 7 51.0 | 2.784 | 3.754 | 5.0 | 21.1 |
| 5 21 | 16 11.03 | − 7 17.1 | 2.756 | 3.747 | 3.7 | 21.0 |
| 5 31 | 16 3.79 | − 6 50.3 | 2.757 | 3.740 | 4.4 | 21.1 |
| 6 10 | 15 56.92 | − 6 32.5 | 2.786 | 3.732 | 6.5 | 21.2 |
| 6 20 | 15 50.94 | − 6 24.6 | 2.841 | 3.724 | 8.9 | 21.3 |
| 6 30 | 15 46.28 | − 6 27.2 | 2.919 | 3.716 | 11.0 | 21.5 |

**363327** 2002 $PO_{114}$ 5 25.0 315°.68 6°.9/22.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.92 | − 8 44.6 | 1.285 | 2.165 | 16.7 | 21.1 |
| 5 1 | 16 27.15 | − 7 51.6 | 1.206 | 2.145 | 13.0 | 20.8 |
| 5 11 | 16 20.55 | − 7 3.1 | 1.147 | 2.125 | 9.3 | 20.6 |
| 5 21 | 16 11.90 | − 6 25.3 | 1.111 | 2.106 | 7.0 | 20.4 |
| 5 31 | 16 2.42 | − 6 4.2 | 1.097 | 2.087 | 8.4 | 20.4 |
| 6 10 | 15 53.57 | − 6 4.2 | 1.106 | 2.069 | 12.3 | 20.5 |
| 6 20 | 15 46.60 | − 6 26.4 | 1.135 | 2.051 | 16.6 | 20.7 |
| 6 30 | 15 42.46 | − 7 9.4 | 1.182 | 2.035 | 20.6 | 20.9 |

**362291** 2009 $SR_{225}$ 5 25.0 62°.66 0°.2/24.9 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.63 | −22 10.9 | 2.462 | 3.312 | 10.8 | 21.3 |
| 5 1 | 16 24.82 | −21 46.2 | 2.390 | 3.318 | 8.0 | 21.2 |
| 5 11 | 16 18.47 | −21 16.3 | 2.342 | 3.324 | 4.8 | 21.0 |
| 5 21 | 16 11.16 | −20 42.7 | 2.321 | 3.331 | 1.4 | 20.7 |
| 5 31 | 16 3.63 | −20 7.2 | 2.328 | 3.337 | 2.1 | 20.8 |
| 6 10 | 15 56.63 | −19 32.8 | 2.364 | 3.344 | 5.4 | 21.0 |
| 6 20 | 15 50.80 | −19 1.9 | 2.427 | 3.350 | 8.5 | 21.2 |
| 6 30 | 15 46.61 | −18 36.9 | 2.512 | 3.357 | 11.2 | 21.4 |

**70586** 1999 $TE_{170}$ 5 25.0 100°.08 3°.9/26.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.05 | −30 39.4 | 1.881 | 2.716 | 14.2 | 19.5 |
| 5 1 | 16 30.33 | −31 10.9 | 1.805 | 2.718 | 11.1 | 19.3 |
| 5 11 | 16 22.15 | −31 31.6 | 1.751 | 2.719 | 7.6 | 19.1 |
| 5 21 | 16 12.30 | −31 39.3 | 1.723 | 2.720 | 4.6 | 19.0 |
| 5 31 | 16 1.91 | −31 33.2 | 1.721 | 2.721 | 4.4 | 18.9 |
| 6 10 | 15 52.23 | −31 15.7 | 1.745 | 2.722 | 7.3 | 19.1 |
| 6 20 | 15 44.29 | −30 50.6 | 1.795 | 2.724 | 10.7 | 19.3 |
| 6 30 | 15 38.86 | −30 23.2 | 1.867 | 2.725 | 13.9 | 19.5 |

**285738** 2000 $TH_8$ 5 25.0 138°.41 2°.2/23.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.19 | −13 38.7 | 3.140 | 3.983 | 8.9 | 22.5 |
| 5 1 | 16 24.82 | −13 6.1 | 3.074 | 3.998 | 6.6 | 22.3 |
| 5 11 | 16 18.30 | −12 33.8 | 3.034 | 4.011 | 4.2 | 22.2 |
| 5 21 | 16 11.09 | −12 3.6 | 3.022 | 4.024 | 2.3 | 22.1 |
| 5 31 | 16 3.75 | −11 37.3 | 3.041 | 4.037 | 3.1 | 22.2 |
| 6 10 | 15 56.84 | −11 16.5 | 3.088 | 4.049 | 5.3 | 22.3 |
| 6 20 | 15 50.83 | −11 2.6 | 3.163 | 4.061 | 7.6 | 22.5 |
| 6 30 | 15 46.11 | −10 56.2 | 3.262 | 4.072 | 9.7 | 22.7 |

**208518** 2001 $XA_{150}$ 5 25.0 254°.62 4°.8/26.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.68 | −31 42.2 | 1.610 | 2.447 | 16.1 | 20.8 |
| 5 1 | 16 33.73 | −32 14.1 | 1.518 | 2.430 | 12.8 | 20.6 |
| 5 11 | 16 24.61 | −32 33.4 | 1.446 | 2.413 | 9.0 | 20.3 |
| 5 21 | 16 13.12 | −32 36.0 | 1.399 | 2.395 | 5.6 | 20.1 |
| 5 31 | 16 0.62 | −32 20.1 | 1.377 | 2.377 | 5.3 | 20.0 |
| 6 10 | 15 48.75 | −31 48.0 | 1.381 | 2.358 | 8.8 | 20.2 |
| 6 20 | 15 38.95 | −31 5.4 | 1.409 | 2.339 | 13.0 | 20.4 |
| 6 30 | 15 32.27 | −30 19.9 | 1.458 | 2.319 | 16.9 | 20.5 |

**136942** 1998 $QK_{70}$ 5 25.0 207°.62 0°.1/25.0 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.87 | −23 51.1 | 2.117 | 2.960 | 12.5 | 20.1 |
| 5 1 | 16 29.75 | −23 9.5 | 2.029 | 2.954 | 9.4 | 19.9 |
| 5 11 | 16 21.59 | −22 18.9 | 1.966 | 2.947 | 5.7 | 19.7 |
| 5 21 | 16 12.11 | −21 20.9 | 1.930 | 2.940 | 1.7 | 19.4 |
| 5 31 | 16 2.25 | −20 18.5 | 1.923 | 2.932 | 2.5 | 19.4 |
| 6 10 | 15 53.02 | −19 16.1 | 1.944 | 2.923 | 6.5 | 19.7 |
| 6 20 | 15 45.27 | −18 18.5 | 1.993 | 2.913 | 10.3 | 19.9 |
| 6 30 | 15 39.62 | −17 29.4 | 2.064 | 2.903 | 13.5 | 20.1 |

**20920** 6653 $P$–$L$ 5 25.0 186°.75 1°.8/24.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.47 | −16 57.4 | 2.052 | 2.907 | 12.4 | 19.2 |
| 5 1 | 16 27.95 | −16 36.7 | 1.976 | 2.907 | 9.2 | 19.0 |
| 5 11 | 16 20.50 | −16 14.1 | 1.923 | 2.906 | 5.6 | 18.8 |
| 5 21 | 16 11.80 | −15 51.5 | 1.897 | 2.905 | 2.2 | 18.6 |
| 5 31 | 16 2.72 | −15 30.9 | 1.899 | 2.904 | 3.3 | 18.6 |
| 6 10 | 15 54.24 | −15 15.1 | 1.929 | 2.903 | 6.9 | 18.9 |
| 6 20 | 15 47.15 | −15 6.0 | 1.984 | 2.901 | 10.5 | 19.1 |
| 6 30 | 15 42.05 | −15 5.1 | 2.061 | 2.899 | 13.5 | 19.3 |

**357511** 2004 $RQ_{14}$ 5 25.0 279°.18 11°.7/14.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.05 | +16 1.6 | 2.477 | 3.246 | 13.1 | 21.2 |
| 5 1 | 16 24.47 | +17 36.9 | 2.413 | 3.228 | 12.2 | 21.1 |
| 5 11 | 16 18.34 | +18 55.1 | 2.371 | 3.209 | 11.7 | 21.0 |
| 5 21 | 16 11.17 | +19 50.5 | 2.351 | 3.191 | 11.8 | 21.0 |
| 5 31 | 16 3.64 | +20 19.0 | 2.353 | 3.173 | 12.5 | 21.0 |
| 6 10 | 15 56.51 | +20 19.1 | 2.375 | 3.154 | 13.7 | 21.1 |
| 6 20 | 15 50.42 | +19 52.0 | 2.416 | 3.136 | 15.0 | 21.1 |
| 6 30 | 15 45.91 | +19 0.7 | 2.472 | 3.117 | 16.3 | 21.2 |

**57428** 2001 $SW_{31}$ 5 25.0 196°.44 0°.3/24.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.11 | −20 35.0 | 2.542 | 3.387 | 10.6 | 19.6 |
| 5 1 | 16 26.68 | −20 25.1 | 2.459 | 3.385 | 7.9 | 19.5 |
| 5 11 | 16 19.63 | −20 11.6 | 2.400 | 3.382 | 4.7 | 19.3 |
| 5 21 | 16 11.53 | −19 55.3 | 2.370 | 3.379 | 1.4 | 19.0 |
| 5 31 | 16 3.12 | −19 37.5 | 2.368 | 3.376 | 2.2 | 19.1 |
| 6 10 | 15 55.17 | −19 20.3 | 2.395 | 3.373 | 5.5 | 19.3 |
| 6 20 | 15 48.35 | −19 5.7 | 2.449 | 3.369 | 8.6 | 19.5 |
| 6 30 | 15 43.18 | −18 55.8 | 2.526 | 3.364 | 11.3 | 19.6 |

**11744** 1999 $NQ_2$ 5 25.0 298°.84 3°.4/26.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.78 | −28 51.4 | 1.400 | 2.259 | 16.9 | 18.5 |
| 5 1 | 16 30.38 | −29 0.7 | 1.305 | 2.234 | 13.2 | 18.2 |
| 5 11 | 16 22.74 | −28 56.8 | 1.231 | 2.208 | 8.8 | 17.9 |
| 5 21 | 16 12.62 | −28 37.2 | 1.178 | 2.183 | 4.5 | 17.5 |
| 5 31 | 16 1.39 | −28 1.6 | 1.151 | 2.157 | 4.4 | 17.5 |
| 6 10 | 15 50.73 | −27 14.0 | 1.147 | 2.132 | 9.0 | 17.6 |
| 6 20 | 15 42.18 | −26 20.9 | 1.166 | 2.107 | 14.0 | 17.9 |
| 6 30 | 15 36.85 | −25 30.2 | 1.204 | 2.083 | 18.6 | 18.1 |

**403215** 2008 $TE_{183}$ 5 25.1 299°.39 3°.2/25.9 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.04 | −27 31.2 | 1.202 | 2.072 | 18.3 | 21.5 |
| 5 1 | 16 30.95 | −27 43.8 | 1.115 | 2.050 | 14.2 | 21.2 |
| 5 11 | 16 23.27 | −27 43.7 | 1.047 | 2.029 | 9.4 | 20.9 |
| 5 21 | 16 12.82 | −27 28.2 | 1.001 | 2.007 | 4.4 | 20.5 |
| 5 31 | 16 1.12 | −26 57.0 | 0.977 | 1.986 | 4.4 | 20.4 |
| 6 10 | 15 50.11 | −26 14.3 | 0.977 | 1.964 | 9.8 | 20.7 |
| 6 20 | 15 41.50 | −25 27.4 | 0.998 | 1.944 | 15.3 | 20.9 |
| 6 30 | 15 36.51 | −24 44.5 | 1.037 | 1.924 | 20.3 | 21.1 |

**133205** 2003 $QO_{64}$ 5 25.1 265°.73 5°.5/21.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.41 | − 8 6.8 | 2.112 | 2.965 | 12.2 | 19.8 |
| 5 1 | 16 26.46 | − 6 59.7 | 2.023 | 2.946 | 9.5 | 19.6 |
| 5 11 | 16 19.66 | − 5 54.7 | 1.958 | 2.926 | 6.9 | 19.4 |
| 5 21 | 16 11.59 | − 4 56.3 | 1.919 | 2.905 | 5.5 | 19.3 |
| 5 31 | 16 3.06 | − 4 9.0 | 1.908 | 2.885 | 6.6 | 19.3 |
| 6 10 | 15 54.96 | − 3 36.5 | 1.923 | 2.864 | 9.3 | 19.4 |
| 6 20 | 15 48.07 | − 3 20.7 | 1.962 | 2.842 | 12.3 | 19.6 |
| 6 30 | 15 43.01 | − 3 21.9 | 2.021 | 2.821 | 15.1 | 19.7 |

**303847** 2005 $SH_{189}$ 5 25.1 105°.87 0°.2/25.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.67 | −22 20.4 | 2.531 | 3.375 | 10.7 | 21.3 |
| 5 1 | 16 26.28 | −22 14.2 | 2.462 | 3.387 | 7.9 | 21.2 |
| 5 11 | 16 19.34 | −22 3.6 | 2.418 | 3.400 | 4.8 | 21.0 |
| 5 21 | 16 11.45 | −21 49.1 | 2.402 | 3.411 | 1.4 | 20.8 |
| 5 31 | 16 3.33 | −21 32.0 | 2.414 | 3.423 | 2.0 | 20.8 |
| 6 10 | 15 55.76 | −21 14.3 | 2.455 | 3.435 | 5.3 | 21.1 |
| 6 20 | 15 49.37 | −20 58.2 | 2.522 | 3.446 | 8.3 | 21.3 |
| 6 30 | 15 44.64 | −20 45.7 | 2.614 | 3.457 | 10.8 | 21.5 |

**90850** 1996 $FM_1$ 5 25.1 165°.83 2°.0/25.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.58 | −27 14.4 | 1.631 | 2.478 | 15.5 | 19.9 |
| 5 1 | 16 32.32 | −27 5.5 | 1.559 | 2.482 | 11.7 | 19.7 |
| 5 11 | 16 23.38 | −26 45.0 | 1.508 | 2.486 | 7.5 | 19.4 |
| 5 21 | 16 12.69 | −26 12.5 | 1.482 | 2.489 | 3.1 | 19.1 |
| 5 31 | 16 1.54 | −25 29.8 | 1.483 | 2.491 | 3.2 | 19.2 |
| 6 10 | 15 51.30 | −24 41.5 | 1.510 | 2.493 | 7.6 | 19.4 |
| 6 20 | 15 43.09 | −23 53.2 | 1.563 | 2.494 | 11.8 | 19.7 |
| 6 30 | 15 37.62 | −23 10.5 | 1.636 | 2.495 | 15.5 | 19.9 |

**146189** 2000 $TN_6$ 5 25.1 49°.54 3°.8/22.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 29.85 | −12 0.4 | 2.135 | 2.995 | 11.8 | 19.8 |
| 5 1 | 16 25.13 | −11 10.6 | 2.067 | 2.998 | 8.9 | 19.7 |
| 5 11 | 16 18.74 | −10 21.8 | 2.023 | 3.001 | 5.9 | 19.5 |
| 5 21 | 16 11.29 | − 9 37.5 | 2.005 | 3.004 | 3.9 | 19.4 |
| 5 31 | 16 3.58 | − 9 1.1 | 2.015 | 3.007 | 4.9 | 19.4 |
| 6 10 | 15 56.45 | − 8 35.3 | 2.051 | 3.010 | 7.7 | 19.6 |
| 6 20 | 15 50.56 | − 8 21.8 | 2.112 | 3.013 | 10.7 | 19.8 |
| 6 30 | 15 46.44 | − 8 21.1 | 2.195 | 3.016 | 13.4 | 20.0 |

**54683** 2001 $CJ_{20}$ 5 25.1 109°.37 16°.6/24.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 45.17 | +14 21.2 | 1.158 | 1.965 | 22.9 | 18.5 |
| 5 1 | 16 37.53 | +14 51.4 | 1.112 | 1.973 | 20.3 | 18.3 |
| 5 11 | 16 26.61 | +14 44.9 | 1.082 | 1.981 | 18.0 | 18.2 |
| 5 21 | 16 13.63 | +13 53.5 | 1.071 | 1.989 | 16.7 | 18.1 |
| 5 31 | 16 0.26 | +12 14.8 | 1.080 | 1.997 | 17.0 | 18.2 |
| 6 10 | 15 48.26 | + 9 54.1 | 1.110 | 2.004 | 18.6 | 18.3 |
| 6 20 | 15 38.91 | + 7 2.8 | 1.160 | 2.011 | 21.0 | 18.5 |
| 6 30 | 15 32.96 | + 3 53.4 | 1.229 | 2.018 | 23.5 | 18.7 |

**434372** 2004 $TO_{259}$ 5 25.1 295°.86 6°.4/26.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.79 | −33 40.4 | 1.721 | 2.549 | 15.6 | 20.9 |
| 5 1 | 16 33.07 | −34 54.5 | 1.633 | 2.536 | 12.6 | 20.6 |
| 5 11 | 16 24.26 | −35 58.3 | 1.566 | 2.522 | 9.4 | 20.4 |
| 5 21 | 16 13.08 | −36 46.1 | 1.524 | 2.508 | 6.9 | 20.2 |
| 5 31 | 16 0.81 | −37 14.0 | 1.507 | 2.495 | 6.7 | 20.2 |
| 6 10 | 15 49.05 | −37 21.8 | 1.515 | 2.481 | 9.2 | 20.3 |
| 6 20 | 15 39.23 | −37 13.2 | 1.548 | 2.468 | 12.7 | 20.5 |
| 6 30 | 15 32.44 | −36 54.6 | 1.601 | 2.455 | 16.0 | 20.6 |

**220435** 2003 $UX_{263}$ 5 25.1 210°.12 2°.6/23.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 28.88 | −11 30.1 | 3.129 | 3.974 | 8.8 | 20.5 |
| 5 1 | 16 24.00 | −11 9.8 | 3.046 | 3.969 | 6.7 | 20.3 |
| 5 11 | 16 17.91 | −10 51.0 | 2.988 | 3.964 | 4.4 | 20.2 |
| 5 21 | 16 11.05 | −10 35.5 | 2.959 | 3.958 | 2.7 | 20.0 |
| 5 31 | 16 3.95 | −10 24.8 | 2.959 | 3.952 | 3.4 | 20.1 |
| 6 10 | 15 57.19 | −10 20.1 | 2.987 | 3.946 | 5.6 | 20.2 |
| 6 20 | 15 51.25 | −10 22.3 | 3.042 | 3.939 | 7.9 | 20.4 |
| 6 30 | 15 46.55 | −10 31.9 | 3.122 | 3.932 | 10.0 | 20.5 |

**490681** 2010 $LJ_8$ 5 25.1 271°.46 2°.8/26.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.69 | −30 14.3 | 2.399 | 3.229 | 11.7 | 22.0 |
| 5 1 | 16 27.46 | −30 21.0 | 2.303 | 3.214 | 9.1 | 21.8 |
| 5 11 | 16 20.30 | −30 18.3 | 2.230 | 3.198 | 6.2 | 21.5 |
| 5 21 | 16 11.81 | −30 5.0 | 2.183 | 3.183 | 3.4 | 21.3 |
| 5 31 | 16 2.84 | −29 41.6 | 2.164 | 3.167 | 3.3 | 21.3 |
| 6 10 | 15 54.32 | −29 10.1 | 2.174 | 3.152 | 6.0 | 21.4 |
| 6 20 | 15 47.07 | −28 34.1 | 2.209 | 3.136 | 9.1 | 21.6 |
| 6 30 | 15 41.75 | −27 57.5 | 2.268 | 3.120 | 12.0 | 21.8 |

**507020** 2008 $UU_{58}$ 5 25.1 156°.39 1°.9/23.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.92 | −16 30.8 | 2.503 | 3.350 | 10.7 | 22.8 |
| 5 1 | 16 27.16 | −15 54.3 | 2.432 | 3.359 | 7.9 | 22.6 |
| 5 11 | 16 19.87 | −15 15.8 | 2.385 | 3.366 | 4.9 | 22.4 |
| 5 21 | 16 11.63 | −14 37.6 | 2.366 | 3.373 | 2.2 | 22.3 |
| 5 31 | 16 3.18 | −14 2.1 | 2.377 | 3.379 | 3.1 | 22.3 |
| 6 10 | 15 55.28 | −13 31.9 | 2.417 | 3.385 | 6.1 | 22.5 |
| 6 20 | 15 48.55 | −13 9.0 | 2.483 | 3.390 | 9.0 | 22.7 |
| 6 30 | 15 43.47 | −12 54.7 | 2.572 | 3.394 | 11.6 | 22.9 |

**228379** 2000 $WN_{82}$ 5 25.1 152°.54 1°.1/25.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.80 | −24 19.3 | 2.170 | 3.011 | 12.3 | 21.0 |
| 5 1 | 16 29.67 | −24 27.0 | 2.096 | 3.018 | 9.3 | 20.8 |
| 5 11 | 16 21.55 | −24 28.5 | 2.045 | 3.024 | 5.7 | 20.6 |
| 5 21 | 16 12.16 | −24 23.6 | 2.022 | 3.030 | 2.1 | 20.4 |
| 5 31 | 16 2.40 | −24 13.0 | 2.027 | 3.035 | 2.4 | 20.4 |
| 6 10 | 15 53.27 | −23 58.7 | 2.060 | 3.040 | 6.1 | 20.7 |
| 6 20 | 15 45.60 | −23 43.6 | 2.119 | 3.045 | 9.5 | 20.9 |
| 6 30 | 15 39.98 | −23 30.6 | 2.202 | 3.048 | 12.5 | 21.1 |

**180975** 2005 $MM_{48}$ 5 25.1 213°.43 4°.1/22.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.14 | − 8 55.2 | 2.539 | 3.387 | 10.5 | 20.8 |
| 5 1 | 16 25.16 | − 8 12.6 | 2.460 | 3.382 | 8.1 | 20.7 |
| 5 11 | 16 18.71 | − 7 32.9 | 2.407 | 3.377 | 5.6 | 20.5 |
| 5 21 | 16 11.31 | − 6 58.9 | 2.381 | 3.372 | 4.2 | 20.4 |
| 5 31 | 16 3.64 | − 6 33.4 | 2.383 | 3.366 | 5.0 | 20.4 |
| 6 10 | 15 56.39 | − 6 18.4 | 2.413 | 3.361 | 7.3 | 20.6 |
| 6 20 | 15 50.18 | − 6 14.9 | 2.468 | 3.354 | 9.9 | 20.7 |
| 6 30 | 15 45.49 | − 6 23.1 | 2.545 | 3.348 | 12.3 | 20.9 |

**478346** 2011 $WU_{136}$ 5 25.1 245°.01 1°.7/26.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.90 | −28 7.7 | 2.451 | 3.286 | 11.3 | 21.5 |
| 5 1 | 16 26.70 | −27 53.4 | 2.361 | 3.278 | 8.6 | 21.3 |
| 5 11 | 16 19.74 | −27 30.1 | 2.295 | 3.270 | 5.6 | 21.1 |
| 5 21 | 16 11.63 | −26 57.8 | 2.256 | 3.262 | 2.5 | 20.9 |
| 5 31 | 16 3.17 | −26 17.9 | 2.246 | 3.253 | 2.5 | 20.9 |
| 6 10 | 15 55.21 | −25 33.3 | 2.264 | 3.245 | 5.5 | 21.1 |
| 6 20 | 15 48.49 | −24 47.7 | 2.308 | 3.236 | 8.7 | 21.3 |
| 6 30 | 15 43.58 | −24 4.7 | 2.377 | 3.227 | 11.6 | 21.4 |

**219667** 2001 $VZ_{33}$ 5 25.1 227°.58 0°.1/25.0 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.17 | −20 38.2 | 2.154 | 2.999 | 12.3 | 21.1 |
| 5 1 | 16 30.09 | −20 42.3 | 2.062 | 2.988 | 9.2 | 20.9 |
| 5 11 | 16 21.93 | −20 43.0 | 1.995 | 2.976 | 5.6 | 20.6 |
| 5 21 | 16 12.31 | −20 40.2 | 1.954 | 2.964 | 1.6 | 20.3 |
| 5 31 | 16 2.14 | −20 34.9 | 1.942 | 2.951 | 2.5 | 20.4 |
| 6 10 | 15 52.44 | −20 28.7 | 1.958 | 2.937 | 6.5 | 20.6 |
| 6 20 | 15 44.10 | −20 24.0 | 2.001 | 2.923 | 10.1 | 20.8 |
| 6 30 | 15 37.81 | −20 23.1 | 2.067 | 2.908 | 13.4 | 21.0 |

**366662** 2003 $SN_{345}$ 5 25.1 264°.69 1°.8/25.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.01 | −25 15.7 | 1.600 | 2.454 | 15.4 | 21.4 |
| 5 1 | 16 31.53 | −25 26.1 | 1.510 | 2.438 | 11.7 | 21.1 |
| 5 11 | 16 23.19 | −25 28.3 | 1.441 | 2.421 | 7.5 | 20.9 |
| 5 21 | 16 12.75 | −25 20.9 | 1.397 | 2.404 | 3.0 | 20.5 |
| 5 31 | 16 1.45 | −25 4.1 | 1.378 | 2.387 | 3.3 | 20.5 |
| 6 10 | 15 50.75 | −24 40.8 | 1.386 | 2.369 | 8.0 | 20.7 |
| 6 20 | 15 41.92 | −24 15.5 | 1.418 | 2.352 | 12.6 | 21.0 |
| 6 30 | 15 35.90 | −23 53.2 | 1.471 | 2.333 | 16.7 | 21.2 |

**67895** 2000 $WY_{70}$ 5 25.1 28°.98 4°.2/26.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.25 | −30 59.9 | 1.361 | 2.215 | 17.5 | 18.1 |
| 5 1 | 16 31.17 | −31 8.5 | 1.294 | 2.217 | 13.7 | 17.9 |
| 5 11 | 16 22.96 | −31 1.0 | 1.246 | 2.220 | 9.3 | 17.6 |
| 5 21 | 16 12.65 | −30 35.5 | 1.221 | 2.223 | 5.2 | 17.4 |
| 5 31 | 16 1.75 | −29 53.0 | 1.221 | 2.226 | 4.8 | 17.4 |
| 6 10 | 15 51.93 | −28 58.7 | 1.245 | 2.229 | 8.6 | 17.6 |
| 6 20 | 15 44.47 | −28 0.0 | 1.292 | 2.232 | 13.0 | 17.9 |
| 6 30 | 15 40.19 | −27 4.5 | 1.359 | 2.236 | 17.0 | 18.1 |

**278945** 2008 $UH_{55}$ 5 25.1 355°.73 3°.6/23.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.72 | −16 11.3 | 1.434 | 2.313 | 15.4 | 20.0 |
| 5 1 | 16 25.84 | −15 8.5 | 1.367 | 2.310 | 11.5 | 19.8 |
| 5 11 | 16 19.52 | −14 1.9 | 1.322 | 2.308 | 7.2 | 19.5 |
| 5 21 | 16 11.61 | −12 56.4 | 1.300 | 2.306 | 3.8 | 19.3 |
| 5 31 | 16 3.27 | −11 57.9 | 1.304 | 2.305 | 5.3 | 19.4 |
| 6 10 | 15 55.73 | −11 11.8 | 1.331 | 2.304 | 9.5 | 19.7 |
| 6 20 | 15 49.99 | −10 41.7 | 1.382 | 2.305 | 13.7 | 19.9 |
| 6 30 | 15 46.74 | −10 29.0 | 1.451 | 2.306 | 17.3 | 20.1 |

**99639** 2002 $GE_{131}$ 5 25.1 262°.30 0°.3/25.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.24 | −22 25.3 | 2.610 | 3.454 | 10.4 | 19.9 |
| 5 1 | 16 26.15 | −22 19.0 | 2.513 | 3.438 | 7.8 | 19.7 |
| 5 11 | 16 19.42 | −22 8.3 | 2.440 | 3.421 | 4.8 | 19.5 |
| 5 21 | 16 11.56 | −21 53.3 | 2.395 | 3.404 | 1.5 | 19.3 |
| 5 31 | 16 3.30 | −21 35.3 | 2.378 | 3.387 | 2.0 | 19.3 |
| 6 10 | 15 55.40 | −21 16.1 | 2.390 | 3.370 | 5.4 | 19.5 |
| 6 20 | 15 48.56 | −20 58.1 | 2.429 | 3.353 | 8.5 | 19.6 |
| 6 30 | 15 43.34 | −20 43.6 | 2.492 | 3.335 | 11.3 | 19.8 |

**26561** 2000 $EV_{37}$ 5 25.1 217°.95 2°.8/23.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 28.61 | −11 44.7 | 3.018 | 3.866 | 9.1 | 18.9 |
| 5 1 | 16 23.86 | −11 10.8 | 2.935 | 3.859 | 6.8 | 18.8 |
| 5 11 | 16 17.86 | −10 38.0 | 2.877 | 3.852 | 4.5 | 18.6 |
| 5 21 | 16 11.08 | −10 8.2 | 2.847 | 3.845 | 2.9 | 18.5 |
| 5 31 | 16 4.05 | − 9 43.5 | 2.846 | 3.838 | 3.6 | 18.5 |
| 6 10 | 15 57.37 | − 9 25.7 | 2.874 | 3.831 | 5.9 | 18.7 |
| 6 20 | 15 51.55 | − 9 16.0 | 2.928 | 3.823 | 8.3 | 18.8 |
| 6 30 | 15 47.01 | − 9 14.9 | 3.006 | 3.815 | 10.4 | 19.0 |

**121608** Mikemoreau 5 25.1 296°.97 1°.4/25.8 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.48 | −26 8.3 | 2.188 | 3.033 | 12.1 | 19.4 |
| 5 1 | 16 26.72 | −25 59.3 | 2.086 | 3.009 | 9.2 | 19.2 |
| 5 11 | 16 19.95 | −25 41.8 | 2.007 | 2.986 | 5.9 | 19.0 |
| 5 21 | 16 11.76 | −25 16.0 | 1.954 | 2.962 | 2.3 | 18.7 |
| 5 31 | 16 3.00 | −24 42.9 | 1.929 | 2.938 | 2.5 | 18.6 |
| 6 10 | 15 54.67 | −24 5.4 | 1.932 | 2.914 | 6.2 | 18.8 |
| 6 20 | 15 47.61 | −23 27.2 | 1.960 | 2.890 | 9.9 | 19.0 |
| 6 30 | 15 42.54 | −22 52.2 | 2.011 | 2.867 | 13.1 | 19.2 |

**68951** 2002 $QH_{27}$ 5 25.1 355°.16 0°.2/25.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.80 | −21 32.8 | 1.233 | 2.112 | 17.3 | 19.3 |
| 5 1 | 16 28.69 | −21 36.0 | 1.166 | 2.109 | 13.0 | 19.0 |
| 5 11 | 16 21.54 | −21 33.3 | 1.119 | 2.106 | 7.9 | 18.7 |
| 5 21 | 16 12.27 | −21 24.8 | 1.094 | 2.105 | 2.4 | 18.4 |
| 5 31 | 16 2.31 | −21 12.5 | 1.093 | 2.103 | 3.4 | 18.4 |
| 6 10 | 15 53.28 | −20 59.6 | 1.116 | 2.103 | 8.9 | 18.8 |
| 6 20 | 15 46.47 | −20 50.2 | 1.160 | 2.104 | 13.9 | 19.0 |
| 6 30 | 15 42.75 | −20 47.9 | 1.224 | 2.105 | 18.2 | 19.3 |

**176463** 2001 $XV_{97}$ 5 25.1 164°.16 1°.0/24.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.34 | −17 45.2 | 2.726 | 3.570 | 10.0 | 20.6 |
| 5 1 | 16 26.72 | −17 42.8 | 2.649 | 3.575 | 7.4 | 20.4 |
| 5 11 | 16 19.63 | −17 39.0 | 2.597 | 3.579 | 4.5 | 20.2 |
| 5 21 | 16 11.60 | −17 34.6 | 2.573 | 3.582 | 1.5 | 20.0 |
| 5 31 | 16 3.31 | −17 30.7 | 2.579 | 3.585 | 2.3 | 20.1 |
| 6 10 | 15 55.45 | −17 28.5 | 2.613 | 3.588 | 5.3 | 20.3 |
| 6 20 | 15 48.65 | −17 29.4 | 2.675 | 3.591 | 8.2 | 20.5 |
| 6 30 | 15 43.38 | −17 34.7 | 2.761 | 3.593 | 10.7 | 20.7 |

**36861** 2000 $SG_{137}$ 5 25.1 5°.91 7°.2/28.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.30 | −40 57.1 | 2.012 | 2.810 | 14.8 | 18.5 |
| 5 1 | 16 29.95 | −41 34.4 | 1.935 | 2.810 | 12.3 | 18.3 |
| 5 11 | 16 22.03 | −41 54.2 | 1.880 | 2.811 | 9.8 | 18.2 |
| 5 21 | 16 12.37 | −41 53.0 | 1.848 | 2.811 | 7.8 | 18.0 |
| 5 31 | 16 2.17 | −41 29.5 | 1.841 | 2.813 | 7.3 | 18.0 |
| 6 10 | 15 52.77 | −40 46.5 | 1.859 | 2.814 | 8.6 | 18.1 |
| 6 20 | 15 45.23 | −39 49.3 | 1.901 | 2.816 | 11.0 | 18.2 |
| 6 30 | 15 40.32 | −38 44.8 | 1.966 | 2.818 | 13.5 | 18.4 |

**165358** 2000 $WV_{74}$ 5 25.1 179°.51 1°.8/25.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.26 | −25 36.5 | 1.726 | 2.573 | 14.7 | 20.9 |
| 5 1 | 16 32.05 | −25 45.5 | 1.650 | 2.574 | 11.2 | 20.6 |
| 5 11 | 16 23.26 | −25 46.1 | 1.596 | 2.575 | 7.1 | 20.4 |
| 5 21 | 16 12.73 | −25 37.2 | 1.568 | 2.575 | 2.8 | 20.1 |
| 5 31 | 16 1.66 | −25 19.6 | 1.567 | 2.575 | 3.1 | 20.1 |
| 6 10 | 15 51.37 | −24 56.2 | 1.592 | 2.574 | 7.3 | 20.4 |
| 6 20 | 15 42.94 | −24 31.1 | 1.643 | 2.573 | 11.4 | 20.6 |
| 6 30 | 15 37.14 | −24 8.9 | 1.716 | 2.572 | 15.0 | 20.9 |

**283615** 2002 $CG_{66}$ 5 25.1 198°.32 12°.5/18.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.05 | +17 11.4 | 2.237 | 2.995 | 14.6 | 21.0 |
| 5 1 | 16 28.93 | +18 12.8 | 2.183 | 2.993 | 13.5 | 20.9 |
| 5 11 | 16 21.03 | +18 52.7 | 2.148 | 2.989 | 12.7 | 20.8 |
| 5 21 | 16 12.02 | +19 6.0 | 2.135 | 2.986 | 12.5 | 20.8 |
| 5 31 | 16 2.73 | +18 49.5 | 2.144 | 2.982 | 13.0 | 20.8 |
| 6 10 | 15 54.04 | +18 3.4 | 2.175 | 2.977 | 14.1 | 20.9 |
| 6 20 | 15 46.68 | +16 50.6 | 2.226 | 2.972 | 15.4 | 21.0 |
| 6 30 | 15 41.19 | +15 15.8 | 2.294 | 2.966 | 16.8 | 21.1 |

**68631** 2002 $BW_{28}$ 5 25.1 172°.21 5°.7/22.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.85 | − 1 52.6 | 2.579 | 3.413 | 10.8 | 19.7 |
| 5 1 | 16 25.62 | − 1 25.3 | 2.510 | 3.414 | 8.7 | 19.6 |
| 5 11 | 16 18.96 | − 1 6.2 | 2.465 | 3.416 | 6.8 | 19.4 |
| 5 21 | 16 11.40 | − 0 57.9 | 2.447 | 3.417 | 5.8 | 19.4 |
| 5 31 | 16 3.61 | − 1 2.5 | 2.456 | 3.417 | 6.4 | 19.4 |
| 6 10 | 15 56.26 | − 1 20.7 | 2.492 | 3.418 | 8.2 | 19.5 |
| 6 20 | 15 49.94 | − 1 51.9 | 2.553 | 3.418 | 10.3 | 19.7 |
| 6 30 | 15 45.11 | − 2 35.0 | 2.636 | 3.418 | 12.4 | 19.8 |

**459221** 2012 $DW_{90}$ 5 25.1 64°.68 2°.2/24.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.49 | −17 17.4 | 1.396 | 2.267 | 16.2 | 21.1 |
| 5 1 | 16 30.02 | −16 54.6 | 1.344 | 2.283 | 12.0 | 20.9 |
| 5 11 | 16 21.96 | −16 29.7 | 1.312 | 2.298 | 7.3 | 20.6 |
| 5 21 | 16 12.31 | −16 5.1 | 1.305 | 2.314 | 2.8 | 20.4 |
| 5 31 | 16 2.37 | −15 44.1 | 1.323 | 2.330 | 4.1 | 20.5 |
| 6 10 | 15 53.48 | −15 29.8 | 1.367 | 2.345 | 8.6 | 20.8 |
| 6 20 | 15 46.64 | −15 24.7 | 1.433 | 2.361 | 12.9 | 21.1 |
| 6 30 | 15 42.50 | −15 30.2 | 1.519 | 2.377 | 16.5 | 21.4 |

**137109** 1999 $AL_{11}$ 5 25.1 151°.97 2°.9/26.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.92 | −29 39.1 | 1.754 | 2.596 | 14.8 | 20.3 |
| 5 1 | 16 30.28 | −29 34.2 | 1.679 | 2.598 | 11.4 | 20.1 |
| 5 11 | 16 22.15 | −29 16.6 | 1.627 | 2.600 | 7.5 | 19.9 |
| 5 21 | 16 12.40 | −28 45.4 | 1.599 | 2.602 | 3.8 | 19.6 |
| 5 31 | 16 2.21 | −28 2.2 | 1.598 | 2.604 | 3.6 | 19.6 |
| 6 10 | 15 52.85 | −27 11.3 | 1.624 | 2.606 | 7.2 | 19.9 |
| 6 20 | 15 45.35 | −26 18.2 | 1.674 | 2.607 | 11.1 | 20.1 |
| 6 30 | 15 40.41 | −25 28.6 | 1.747 | 2.608 | 14.5 | 20.3 |

**471337** 2011 $OQ_{21}$ 5 25.1 276°.39 3°.7/23.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.03 | −12 29.7 | 2.000 | 2.861 | 12.5 | 21.2 |
| 5 1 | 16 26.23 | −11 46.4 | 1.922 | 2.853 | 9.4 | 21.0 |
| 5 11 | 16 19.55 | −11 3.8 | 1.867 | 2.846 | 6.2 | 20.8 |
| 5 21 | 16 11.62 | −10 25.1 | 1.838 | 2.839 | 3.9 | 20.6 |
| 5 31 | 16 3.30 | − 9 53.8 | 1.837 | 2.831 | 4.9 | 20.7 |
| 6 10 | 15 55.53 | − 9 32.7 | 1.861 | 2.824 | 8.1 | 20.9 |
| 6 20 | 15 49.07 | − 9 23.7 | 1.911 | 2.817 | 11.4 | 21.1 |
| 6 30 | 15 44.54 | − 9 27.6 | 1.982 | 2.809 | 14.4 | 21.2 |

**26214** Kalinga 5 25.1 178°.29 1°.5/24.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.92 | −19 16.5 | 2.164 | 3.018 | 11.9 | 18.6 |
| 5 1 | 16 26.73 | −18 30.2 | 2.088 | 3.019 | 8.8 | 18.4 |
| 5 11 | 16 19.76 | −17 39.1 | 2.036 | 3.019 | 5.3 | 18.2 |
| 5 21 | 16 11.66 | −16 45.6 | 2.011 | 3.020 | 1.9 | 18.0 |
| 5 31 | 16 3.29 | −15 53.3 | 2.014 | 3.020 | 3.1 | 18.0 |
| 6 10 | 15 55.51 | −15 5.7 | 2.046 | 3.020 | 6.6 | 18.3 |
| 6 20 | 15 49.05 | −14 26.1 | 2.103 | 3.019 | 10.0 | 18.5 |
| 6 30 | 15 44.46 | −13 56.7 | 2.183 | 3.019 | 12.9 | 18.7 |

**278710** 2008 $SQ_{30}$ 5 25.1 305°.91 1°.6/24.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.78 | −20 24.7 | 1.691 | 2.557 | 14.1 | 20.9 |
| 5 1 | 16 27.17 | −19 30.2 | 1.611 | 2.548 | 10.5 | 20.6 |
| 5 11 | 16 20.27 | −18 27.9 | 1.554 | 2.539 | 6.4 | 20.4 |
| 5 21 | 16 11.86 | −17 20.8 | 1.522 | 2.531 | 2.2 | 20.1 |
| 5 31 | 16 3.00 | −16 13.8 | 1.517 | 2.523 | 3.6 | 20.2 |
| 6 10 | 15 54.82 | −15 12.3 | 1.538 | 2.515 | 8.0 | 20.4 |
| 6 20 | 15 48.28 | −14 21.1 | 1.583 | 2.508 | 12.1 | 20.6 |
| 6 30 | 15 44.07 | −13 43.6 | 1.649 | 2.500 | 15.7 | 20.8 |

**239615** 2008 $UR_{238}$ 5 25.1 169°.53 1°.6/25.8 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.46 | −26 14.4 | 2.135 | 2.976 | 12.5 | 21.7 |
| 5 1 | 16 28.78 | −26 12.8 | 2.057 | 2.978 | 9.5 | 21.5 |
| 5 11 | 16 21.08 | −26 3.2 | 2.002 | 2.979 | 6.0 | 21.2 |
| 5 21 | 16 12.08 | −25 45.3 | 1.974 | 2.981 | 2.5 | 21.0 |
| 5 31 | 16 2.70 | −25 20.3 | 1.974 | 2.982 | 2.6 | 21.0 |
| 6 10 | 15 53.95 | −24 51.0 | 2.002 | 2.983 | 6.1 | 21.3 |
| 6 20 | 15 46.66 | −24 20.8 | 2.056 | 2.984 | 9.6 | 21.5 |
| 6 30 | 15 41.45 | −23 53.4 | 2.133 | 2.984 | 12.6 | 21.7 |

**2774** Tenojoki 5 25.1 212°.94 2°.4/26.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.21 | −30 33.5 | 2.769 | 3.592 | 10.5 | 17.0 |
| 5 1 | 16 26.79 | −30 28.7 | 2.680 | 3.587 | 8.1 | 16.8 |
| 5 11 | 16 19.76 | −30 14.7 | 2.614 | 3.581 | 5.5 | 16.6 |
| 5 21 | 16 11.68 | −29 51.2 | 2.576 | 3.576 | 3.0 | 16.4 |
| 5 31 | 16 3.28 | −29 19.1 | 2.567 | 3.570 | 2.8 | 16.4 |
| 6 10 | 15 55.36 | −28 40.5 | 2.586 | 3.563 | 5.2 | 16.6 |
| 6 20 | 15 48.57 | −27 58.7 | 2.632 | 3.557 | 7.9 | 16.7 |
| 6 30 | 15 43.44 | −27 17.3 | 2.703 | 3.550 | 10.4 | 16.9 |

**224524** 2005 $WQ_{80}$ 5 25.1 299°.50 0°.4/25.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.74 | −22 30.2 | 1.625 | 2.487 | 14.8 | 20.7 |
| 5 1 | 16 28.88 | −22 27.3 | 1.543 | 2.477 | 11.1 | 20.4 |
| 5 11 | 16 21.46 | −22 18.0 | 1.483 | 2.467 | 6.8 | 20.1 |
| 5 21 | 16 12.27 | −22 2.6 | 1.447 | 2.457 | 2.1 | 19.8 |
| 5 31 | 16 2.43 | −21 42.5 | 1.438 | 2.447 | 2.9 | 19.8 |
| 6 10 | 15 53.24 | −21 21.0 | 1.454 | 2.438 | 7.6 | 20.1 |
| 6 20 | 15 45.81 | −21 1.7 | 1.494 | 2.428 | 12.1 | 20.3 |
| 6 30 | 15 40.93 | −20 48.3 | 1.555 | 2.419 | 15.9 | 20.5 |

**268875** 2007 $AZ_{20}$ 5 25.1 49°.60 3°.0/24.0 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.55 | −15 1.7 | 1.523 | 2.394 | 15.1 | 20.3 |
| 5 1 | 16 28.49 | −14 35.9 | 1.464 | 2.402 | 11.3 | 20.1 |
| 5 11 | 16 21.04 | −14 10.2 | 1.426 | 2.410 | 7.0 | 19.9 |
| 5 21 | 16 12.09 | −13 47.4 | 1.412 | 2.419 | 3.3 | 19.7 |
| 5 31 | 16 2.77 | −13 30.5 | 1.425 | 2.428 | 4.6 | 19.8 |
| 6 10 | 15 54.32 | −13 22.3 | 1.462 | 2.437 | 8.6 | 20.0 |
| 6 20 | 15 47.68 | −13 24.5 | 1.523 | 2.446 | 12.6 | 20.3 |
| 6 30 | 15 43.52 | −13 37.9 | 1.604 | 2.456 | 16.1 | 20.5 |

**74622** 1999 $RF_{29}$ 5 25.1 312°.80 11°.9/18.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.31 | − 2 4.3 | 1.230 | 2.106 | 17.6 | 18.9 |
| 5 1 | 16 26.18 | + 0 0.6 | 1.147 | 2.074 | 14.8 | 18.6 |
| 5 11 | 16 20.16 | + 2 0.9 | 1.085 | 2.041 | 12.5 | 18.4 |
| 5 21 | 16 11.96 | + 3 44.7 | 1.044 | 2.010 | 12.0 | 18.2 |
| 5 31 | 16 2.78 | + 5 0.0 | 1.024 | 1.978 | 13.9 | 18.2 |
| 6 10 | 15 54.08 | + 5 38.6 | 1.025 | 1.948 | 17.2 | 18.3 |
| 6 20 | 15 47.20 | + 5 37.9 | 1.042 | 1.918 | 21.0 | 18.4 |
| 6 30 | 15 43.18 | + 5 0.0 | 1.074 | 1.889 | 24.7 | 18.6 |

**49968** 1999 $XN_{243}$ 5 25.1 216°.68 5°.9/27.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.68 | −36 50.5 | 2.045 | 2.849 | 14.3 | 19.7 |
| 5 1 | 16 33.96 | −37 26.0 | 1.955 | 2.841 | 11.7 | 19.5 |
| 5 11 | 16 24.53 | −37 47.1 | 1.887 | 2.833 | 8.8 | 19.3 |
| 5 21 | 16 13.18 | −37 49.9 | 1.844 | 2.823 | 6.4 | 19.2 |
| 5 31 | 16 1.12 | −37 32.7 | 1.828 | 2.813 | 6.1 | 19.1 |
| 6 10 | 15 49.70 | −36 57.7 | 1.838 | 2.802 | 8.1 | 19.2 |
| 6 20 | 15 40.12 | −36 9.8 | 1.874 | 2.790 | 11.0 | 19.4 |
| 6 30 | 15 33.23 | −35 15.9 | 1.933 | 2.778 | 14.0 | 19.5 |

**499284** 2009 $VF_{92}$ 5 25.1 126°.84 2°.0/23.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.00 | −18 0.3 | 2.044 | 2.898 | 12.5 | 22.4 |
| 5 1 | 16 28.24 | −17 9.1 | 1.979 | 2.910 | 9.2 | 22.2 |
| 5 11 | 16 20.64 | −16 14.3 | 1.939 | 2.921 | 5.6 | 22.0 |
| 5 21 | 16 11.93 | −15 18.7 | 1.925 | 2.932 | 2.4 | 21.8 |
| 5 31 | 16 3.03 | −14 26.0 | 1.940 | 2.943 | 3.5 | 21.9 |
| 6 10 | 15 54.84 | −13 40.1 | 1.983 | 2.954 | 7.0 | 22.2 |
| 6 20 | 15 48.11 | −13 3.9 | 2.051 | 2.964 | 10.4 | 22.4 |
| 6 30 | 15 43.36 | −12 39.2 | 2.142 | 2.973 | 13.3 | 22.6 |

**253031** 2002 $RJ_{262}$ 5 25.1 106°.49 2°.4/24.0 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.59 | −17 40.7 | 1.610 | 2.475 | 14.7 | 20.6 |
| 5 1 | 16 29.16 | −16 56.5 | 1.546 | 2.482 | 10.9 | 20.4 |
| 5 11 | 16 21.41 | −16 8.5 | 1.505 | 2.489 | 6.7 | 20.2 |
| 5 21 | 16 12.19 | −15 20.0 | 1.489 | 2.496 | 2.8 | 19.9 |
| 5 31 | 16 2.65 | −14 35.1 | 1.499 | 2.504 | 4.1 | 20.0 |
| 6 10 | 15 53.97 | −13 58.1 | 1.536 | 2.510 | 8.3 | 20.3 |
| 6 20 | 15 47.08 | −13 32.2 | 1.596 | 2.517 | 12.3 | 20.6 |
| 6 30 | 15 42.61 | −13 19.2 | 1.677 | 2.524 | 15.7 | 20.8 |

**351997** 2006 $UA_{194}$ 5 25.1 144°.63 0°.8/25.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.64 | −23 51.1 | 2.369 | 3.212 | 11.4 | 21.9 |
| 5 1 | 16 27.23 | −23 51.2 | 2.292 | 3.216 | 8.5 | 21.7 |
| 5 11 | 16 20.07 | −23 45.7 | 2.240 | 3.219 | 5.2 | 21.5 |
| 5 21 | 16 11.79 | −23 34.9 | 2.214 | 3.223 | 1.8 | 21.3 |
| 5 31 | 16 3.20 | −23 19.6 | 2.217 | 3.226 | 2.2 | 21.3 |
| 6 10 | 15 55.14 | −23 2.1 | 2.249 | 3.229 | 5.6 | 21.6 |
| 6 20 | 15 48.34 | −22 44.8 | 2.306 | 3.232 | 8.8 | 21.8 |
| 6 30 | 15 43.35 | −22 30.2 | 2.388 | 3.235 | 11.6 | 21.9 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **476007** 2007 $RQ_{89}$ | | | 5 25.1 349°.19 | | 5°.5/26.7 16 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 32.73 | −31 52.5 | 1.442 | 2.295 | 16.8 | 20.8 |
| 5 1 | 16 28.69 | −32 40.8 | 1.367 | 2.288 | 13.3 | 20.5 |
| 5 11 | 16 21.62 | −33 16.3 | 1.312 | 2.281 | 9.5 | 20.3 |
| 5 21 | 16 12.37 | −33 35.0 | 1.280 | 2.275 | 6.3 | 20.1 |
| 5 31 | 16 2.30 | −33 35.0 | 1.272 | 2.270 | 6.0 | 20.1 |
| 6 10 | 15 53.01 | −33 18.5 | 1.287 | 2.266 | 9.0 | 20.2 |
| 6 20 | 15 45.85 | −32 50.6 | 1.325 | 2.264 | 12.9 | 20.4 |
| 6 30 | 15 41.77 | −32 18.0 | 1.383 | 2.262 | 16.6 | 20.7 |
| **87349** 2000 $QU_{29}$ | | | 5 25.1 262°.86 | | 0°.8/24.7 18 | |
| 4 21 | 16 31.87 | −19 21.5 | 2.402 | 3.252 | 11.0 | 19.8 |
| 5 1 | 16 26.74 | −19 9.3 | 2.306 | 3.235 | 8.2 | 19.5 |
| 5 11 | 16 19.85 | −18 54.1 | 2.235 | 3.218 | 5.0 | 19.3 |
| 5 21 | 16 11.76 | −18 36.6 | 2.191 | 3.201 | 1.6 | 19.0 |
| 5 31 | 16 3.21 | −18 18.5 | 2.175 | 3.183 | 2.5 | 19.1 |
| 6 10 | 15 55.05 | −18 1.9 | 2.188 | 3.165 | 6.0 | 19.3 |
| 6 20 | 15 48.02 | −17 49.0 | 2.227 | 3.147 | 9.3 | 19.4 |
| 6 30 | 15 42.72 | −17 41.7 | 2.289 | 3.129 | 12.3 | 19.6 |
| **208647** 2002 $EX_{119}$ | | | 5 25.1 356°.74 | | 0°.5/24.9 17 | |
| 4 21 | 16 31.66 | −21 46.6 | 1.148 | 2.033 | 17.9 | 20.1 |
| 5 1 | 16 27.97 | −21 25.0 | 1.083 | 2.029 | 13.4 | 19.8 |
| 5 11 | 16 21.16 | −20 54.8 | 1.038 | 2.027 | 8.2 | 19.5 |
| 5 21 | 16 12.21 | −20 17.8 | 1.015 | 2.026 | 2.4 | 19.1 |
| 5 31 | 16 2.61 | −19 38.0 | 1.015 | 2.025 | 3.6 | 19.2 |
| 6 10 | 15 54.03 | −19 1.0 | 1.038 | 2.025 | 9.4 | 19.5 |
| 6 20 | 15 47.75 | −18 32.1 | 1.082 | 2.026 | 14.5 | 19.8 |
| 6 30 | 15 44.64 | −18 15.1 | 1.144 | 2.029 | 18.9 | 20.1 |
| **119594** 2001 $WC_{8}$ | | | 5 25.1 95°.02 | | 3°.2/23.5 17 | |
| 4 21 | 16 33.62 | −15 18.7 | 1.748 | 2.611 | 13.9 | 19.8 |
| 5 1 | 16 28.20 | −14 25.3 | 1.688 | 2.623 | 10.3 | 19.6 |
| 5 11 | 16 20.72 | −13 30.5 | 1.652 | 2.634 | 6.5 | 19.4 |
| 5 21 | 16 11.98 | −12 37.9 | 1.641 | 2.646 | 3.4 | 19.2 |
| 5 31 | 16 3.00 | −11 51.9 | 1.658 | 2.657 | 4.6 | 19.3 |
| 6 10 | 15 54.83 | −11 16.2 | 1.700 | 2.668 | 8.2 | 19.6 |
| 6 20 | 15 48.29 | −10 53.3 | 1.767 | 2.679 | 11.8 | 19.8 |
| 6 30 | 15 43.94 | −10 44.1 | 1.855 | 2.690 | 14.9 | 20.0 |
| **95472** 2002 $EG_{1}$ | | | 5 25.1 255°.77 | | 6°.4/22.2 18 | |
| 4 21 | 16 33.32 | − 4 8.1 | 2.050 | 2.895 | 12.8 | 19.9 |
| 5 1 | 16 27.96 | − 3 27.8 | 1.965 | 2.879 | 10.2 | 19.7 |
| 5 11 | 16 20.65 | − 2 54.8 | 1.903 | 2.863 | 7.8 | 19.5 |
| 5 21 | 16 12.01 | − 2 33.1 | 1.867 | 2.846 | 6.4 | 19.4 |
| 5 31 | 16 2.87 | − 2 26.0 | 1.858 | 2.829 | 7.3 | 19.4 |
| 6 10 | 15 54.18 | − 2 35.5 | 1.874 | 2.811 | 9.8 | 19.5 |
| 6 20 | 15 46.75 | − 3 1.7 | 1.915 | 2.793 | 12.7 | 19.7 |
| 6 30 | 15 41.25 | − 3 43.4 | 1.976 | 2.775 | 15.4 | 19.8 |
| **398239** 2010 $RT_{71}$ | | | 5 25.1 303°.92 | | 4°.9/27.3 18 | |
| 4 21 | 16 34.03 | −35 5.1 | 2.220 | 3.036 | 13.0 | 20.7 |
| 5 1 | 16 28.73 | −35 35.7 | 2.133 | 3.028 | 10.4 | 20.5 |
| 5 11 | 16 21.23 | −35 54.2 | 2.069 | 3.021 | 7.7 | 20.3 |
| 5 21 | 16 12.19 | −35 58.1 | 2.029 | 3.014 | 5.4 | 20.2 |
| 5 31 | 16 2.61 | −35 46.4 | 2.017 | 3.007 | 5.1 | 20.1 |
| 6 10 | 15 53.58 | −35 21.2 | 2.031 | 3.000 | 7.1 | 20.2 |
| 6 20 | 15 46.05 | −34 46.2 | 2.070 | 2.993 | 9.8 | 20.4 |
| 6 30 | 15 40.74 | −34 6.4 | 2.133 | 2.986 | 12.6 | 20.6 |
| **85388** Sakazukiyama | | | 5 25.1 309°.07 | | 2°.6/24.0 16 | |
| 4 21 | 16 31.90 | −17 29.4 | 1.471 | 2.345 | 15.3 | 19.8 |
| 5 1 | 16 27.95 | −16 51.4 | 1.368 | 2.309 | 11.6 | 19.5 |
| 5 11 | 16 21.20 | −16 7.6 | 1.287 | 2.274 | 7.3 | 19.2 |
| 5 21 | 16 12.29 | −15 20.9 | 1.230 | 2.238 | 3.1 | 18.8 |
| 5 31 | 16 2.35 | −14 35.6 | 1.198 | 2.203 | 4.7 | 18.8 |
| 6 10 | 15 52.78 | −13 56.9 | 1.190 | 2.168 | 9.7 | 19.0 |
| 6 20 | 15 44.89 | −13 29.7 | 1.204 | 2.134 | 14.8 | 19.2 |
| 6 30 | 15 39.72 | −13 17.6 | 1.238 | 2.099 | 19.3 | 19.3 |
| **380538** 2004 $JY_{5}$ | | | 5 25.1 18°.28 | | 12°.4/26.4 17 | |
| 4 21 | 16 47.48 | + 6 44.9 | 0.950 | 1.796 | 24.0 | 19.8 |
| 5 1 | 16 40.19 | + 6 4.6 | 0.892 | 1.798 | 20.1 | 19.5 |
| 5 11 | 16 28.81 | + 4 45.2 | 0.850 | 1.800 | 16.0 | 19.3 |
| 5 21 | 16 14.52 | + 2 41.4 | 0.828 | 1.802 | 13.0 | 19.1 |
| 5 31 | 15 59.30 | − 0 4.6 | 0.829 | 1.805 | 12.8 | 19.1 |
| 6 10 | 15 45.37 | − 3 21.4 | 0.853 | 1.809 | 15.8 | 19.3 |
| 6 20 | 15 34.50 | − 6 53.0 | 0.898 | 1.813 | 20.0 | 19.6 |
| 6 30 | 15 27.75 | −10 25.4 | 0.963 | 1.818 | 24.0 | 19.8 |
| **127586** 2003 $AY_{79}$ | | | 5 25.1 29°.37 | | 17°.4/26.9 18 | |
| 4 21 | 16 51.05 | −46 15.5 | 1.061 | 1.869 | 24.5 | 18.5 |
| 5 1 | 16 45.45 | −49 25.1 | 1.008 | 1.872 | 21.8 | 18.3 |
| 5 11 | 16 33.61 | −52 10.6 | 0.972 | 1.875 | 19.3 | 18.2 |
| 5 21 | 16 16.34 | −54 13.2 | 0.953 | 1.878 | 17.7 | 18.1 |
| 5 31 | 15 56.33 | −55 18.3 | 0.954 | 1.882 | 17.6 | 18.1 |
| 6 10 | 15 37.63 | −55 24.4 | 0.973 | 1.886 | 18.9 | 18.2 |
| 6 20 | 15 23.73 | −54 43.3 | 1.008 | 1.890 | 21.1 | 18.3 |
| 6 30 | 15 16.48 | −53 33.5 | 1.058 | 1.895 | 23.6 | 18.5 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **338762** 2003 $UA_{220}$ | | | 5 25.1 246°.01 | | 0°.5/24.9 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.86 | −19 29.7 | 2.550 | 3.391 | 10.7 | 21.7 |
| 5 1 | 16 28.92 | −19 27.9 | 2.446 | 3.370 | 8.0 | 21.4 |
| 5 11 | 16 21.18 | −19 23.5 | 2.368 | 3.349 | 4.9 | 21.2 |
| 5 21 | 16 12.18 | −19 16.8 | 2.317 | 3.327 | 1.5 | 20.9 |
| 5 31 | 16 2.66 | −19 8.8 | 2.296 | 3.304 | 2.3 | 21.0 |
| 6 10 | 15 53.47 | −19 1.1 | 2.304 | 3.280 | 5.8 | 21.2 |
| 6 20 | 15 45.35 | −18 55.6 | 2.339 | 3.256 | 9.1 | 21.3 |
| 6 30 | 15 38.94 | −18 54.3 | 2.399 | 3.231 | 12.0 | 21.5 |
| **255908** 2006 $SC_{329}$ | | | 5 25.1 159°.65 | | 0°.8/24.7 17 | |
| 4 21 | 16 36.46 | −19 37.5 | 1.975 | 2.825 | 13.0 | 21.6 |
| 5 1 | 16 30.27 | −19 23.5 | 1.902 | 2.831 | 9.7 | 21.4 |
| 5 11 | 16 22.00 | −19 5.6 | 1.854 | 2.837 | 5.8 | 21.2 |
| 5 21 | 16 12.40 | −18 45.1 | 1.832 | 2.842 | 1.8 | 20.9 |
| 5 31 | 16 2.44 | −18 23.8 | 1.838 | 2.846 | 2.8 | 21.0 |
| 6 10 | 15 53.18 | −18 4.4 | 1.872 | 2.850 | 6.8 | 21.2 |
| 6 20 | 15 45.46 | −17 49.6 | 1.932 | 2.853 | 10.5 | 21.5 |
| 6 30 | 15 39.91 | −17 41.6 | 2.015 | 2.856 | 13.7 | 21.7 |
| **271349** 2003 $WY_{151}$ | | | 5 25.1 219°.14 | | 0°.2/25.1 17 | |
| 4 21 | 16 37.74 | −21 32.8 | 1.983 | 2.829 | 13.2 | 21.6 |
| 5 1 | 16 31.46 | −21 34.2 | 1.894 | 2.820 | 9.9 | 21.4 |
| 5 11 | 16 22.88 | −21 30.8 | 1.828 | 2.810 | 6.0 | 21.1 |
| 5 21 | 16 12.70 | −21 22.8 | 1.789 | 2.799 | 1.8 | 20.8 |
| 5 31 | 16 1.94 | −21 10.9 | 1.778 | 2.787 | 2.6 | 20.9 |
| 6 10 | 15 51.71 | −20 57.6 | 1.796 | 2.775 | 6.9 | 21.1 |
| 6 20 | 15 43.01 | −20 45.6 | 1.839 | 2.762 | 10.8 | 21.3 |
| 6 30 | 15 36.57 | −20 37.9 | 1.904 | 2.748 | 14.2 | 21.5 |
| **263264** 2008 $BM_{22}$ | | | 5 25.1 28°.44 | | 6°.1/21.9 18 | |
| 4 21 | 16 29.64 | − 4 59.3 | 2.074 | 2.927 | 12.4 | 20.0 |
| 5 1 | 16 25.04 | − 4 8.1 | 2.011 | 2.930 | 9.8 | 19.8 |
| 5 11 | 16 18.77 | − 3 23.7 | 1.971 | 2.933 | 7.3 | 19.6 |
| 5 21 | 16 11.43 | − 2 50.1 | 1.958 | 2.937 | 6.1 | 19.6 |
| 5 31 | 16 3.84 | − 2 30.7 | 1.970 | 2.941 | 7.0 | 19.6 |
| 6 10 | 15 56.81 | − 2 27.4 | 2.008 | 2.945 | 9.2 | 19.8 |
| 6 20 | 15 51.03 | − 2 40.2 | 2.069 | 2.949 | 11.8 | 19.9 |
| 6 30 | 15 47.01 | − 3 7.9 | 2.152 | 2.953 | 14.2 | 20.1 |
| **137586** 1999 $VS_{145}$ | | | 5 25.1 86°.87 | | 0°.7/24.8 17 | |
| 4 21 | 16 35.91 | −20 32.6 | 1.533 | 2.396 | 15.4 | 20.6 |
| 5 1 | 16 30.30 | −20 16.1 | 1.472 | 2.407 | 11.4 | 20.3 |
| 5 11 | 16 22.18 | −19 54.2 | 1.433 | 2.418 | 6.9 | 20.1 |
| 5 21 | 16 12.47 | −19 28.5 | 1.418 | 2.428 | 2.0 | 19.8 |
| 5 31 | 16 2.40 | −19 1.6 | 1.430 | 2.439 | 3.1 | 19.9 |
| 6 10 | 15 53.27 | −18 37.0 | 1.468 | 2.449 | 7.8 | 20.2 |
| 6 20 | 15 46.08 | −18 18.4 | 1.529 | 2.459 | 12.1 | 20.5 |
| 6 30 | 15 41.50 | −18 8.4 | 1.611 | 2.470 | 15.7 | 20.8 |
| **491272** 2011 $UK_{331}$ | | | 5 25.1 154°.27 | | 1°.2/25.9 18 | |
| 4 21 | 16 31.70 | −26 39.1 | 2.698 | 3.533 | 10.4 | 21.4 |
| 5 1 | 16 26.34 | −26 22.6 | 2.620 | 3.537 | 7.8 | 21.2 |
| 5 11 | 16 19.46 | −25 58.7 | 2.566 | 3.542 | 4.9 | 21.0 |
| 5 21 | 16 11.63 | −25 28.0 | 2.539 | 3.546 | 2.0 | 20.8 |
| 5 31 | 16 3.57 | −24 51.8 | 2.542 | 3.550 | 2.1 | 20.8 |
| 6 10 | 15 56.03 | −24 12.8 | 2.574 | 3.554 | 5.0 | 21.0 |
| 6 20 | 15 49.62 | −23 34.0 | 2.632 | 3.557 | 7.9 | 21.2 |
| 6 30 | 15 44.82 | −22 58.3 | 2.716 | 3.561 | 10.4 | 21.4 |
| **353851** 2012 $VS_{51}$ | | | 5 25.1 186°.30 | | 1°.2/24.5 17 | |
| 4 21 | 16 32.21 | −18 1.6 | 2.401 | 3.251 | 11.0 | 21.4 |
| 5 1 | 16 26.85 | −17 45.2 | 2.322 | 3.251 | 8.2 | 21.3 |
| 5 11 | 16 19.84 | −17 26.7 | 2.268 | 3.250 | 4.9 | 21.1 |
| 5 21 | 16 11.76 | −17 7.2 | 2.240 | 3.249 | 1.7 | 20.8 |
| 5 31 | 16 3.37 | −16 48.6 | 2.242 | 3.248 | 2.7 | 20.9 |
| 6 10 | 15 55.47 | −16 32.9 | 2.272 | 3.247 | 6.0 | 21.1 |
| 6 20 | 15 48.74 | −16 22.0 | 2.328 | 3.245 | 9.1 | 21.3 |
| 6 30 | 15 43.73 | −16 17.6 | 2.407 | 3.243 | 11.9 | 21.5 |
| **501782** 2014 $VV_{14}$ | | | 5 25.1 167°.25 | | 0°.3/25.0 17 | |
| 4 21 | 16 37.16 | −21 6.2 | 1.872 | 2.722 | 13.6 | 22.5 |
| 5 1 | 16 30.95 | −20 57.7 | 1.798 | 2.726 | 10.2 | 22.3 |
| 5 11 | 16 22.49 | −20 44.3 | 1.748 | 2.730 | 6.1 | 22.1 |
| 5 21 | 16 12.57 | −20 26.5 | 1.723 | 2.733 | 1.8 | 21.8 |
| 5 31 | 16 2.23 | −20 6.1 | 1.727 | 2.736 | 2.7 | 21.9 |
| 6 10 | 15 52.62 | −19 45.9 | 1.758 | 2.738 | 7.0 | 22.1 |
| 6 20 | 15 44.65 | −19 29.0 | 1.814 | 2.739 | 10.9 | 22.4 |
| 6 30 | 15 38.99 | −19 18.1 | 1.893 | 2.740 | 14.2 | 22.6 |
| **335777** 2007 $EX_{193}$ | | | 5 25.1 27°.98 | | 10°.0/28.8 17 | |
| 4 21 | 16 37.66 | −41 8.1 | 1.344 | 2.167 | 19.5 | 19.3 |
| 5 1 | 16 32.76 | −42 21.9 | 1.291 | 2.179 | 16.3 | 19.1 |
| 5 11 | 16 24.20 | −43 12.7 | 1.255 | 2.191 | 13.1 | 19.0 |
| 5 21 | 16 13.15 | −43 33.8 | 1.240 | 2.204 | 10.7 | 18.9 |
| 5 31 | 16 1.41 | −43 22.2 | 1.247 | 2.218 | 10.0 | 18.9 |
| 6 10 | 15 50.99 | −42 42.0 | 1.277 | 2.233 | 11.5 | 19.0 |
| 6 20 | 15 43.38 | −41 41.6 | 1.327 | 2.249 | 14.2 | 19.2 |
| 6 30 | 15 39.45 | −40 31.4 | 1.397 | 2.266 | 17.1 | 19.4 |

**115538** 2003 $UO_{58}$ 5 25.1 98°.86 4°.4/27.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.79 | −33 18.6 | 2.025 | 2.848 | 13.8 | 19.9 |
| 5 1 | 16 30.72 | −33 42.7 | 1.957 | 2.860 | 10.9 | 19.7 |
| 5 11 | 16 22.36 | −33 54.0 | 1.912 | 2.871 | 7.7 | 19.5 |
| 5 21 | 16 12.53 | −33 50.6 | 1.892 | 2.883 | 5.0 | 19.4 |
| 5 31 | 16 2.32 | −33 32.2 | 1.898 | 2.894 | 4.6 | 19.4 |
| 6 10 | 15 52.91 | −33 1.9 | 1.932 | 2.905 | 7.0 | 19.6 |
| 6 20 | 15 45.22 | −32 23.9 | 1.991 | 2.916 | 10.0 | 19.8 |
| 6 30 | 15 39.92 | −31 43.7 | 2.073 | 2.927 | 12.9 | 20.0 |

**118913** 2000 $VM_{18}$ 5 25.1 200°.90 0°.6/24.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.82 | −18 31.3 | 2.541 | 3.387 | 10.6 | 20.1 |
| 5 1 | 16 27.28 | −18 39.6 | 2.458 | 3.385 | 7.9 | 20.0 |
| 5 11 | 16 20.11 | −18 46.7 | 2.401 | 3.383 | 4.8 | 19.8 |
| 5 21 | 16 11.86 | −18 52.6 | 2.371 | 3.380 | 1.5 | 19.5 |
| 5 31 | 16 3.25 | −18 58.2 | 2.370 | 3.378 | 2.2 | 19.6 |
| 6 10 | 15 55.07 | −19 4.4 | 2.397 | 3.375 | 5.5 | 19.8 |
| 6 20 | 15 47.99 | −19 12.6 | 2.452 | 3.372 | 8.6 | 20.0 |
| 6 30 | 15 42.57 | −19 24.1 | 2.531 | 3.368 | 11.3 | 20.2 |

**285399** 1999 $TY_{289}$ 5 25.1 306°.53 5°.8/21.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.16 | − 8 28.8 | 2.022 | 2.882 | 12.4 | 20.2 |
| 5 1 | 16 25.00 | − 7 7.7 | 1.927 | 2.854 | 9.7 | 19.9 |
| 5 11 | 16 18.94 | − 5 47.1 | 1.857 | 2.826 | 7.1 | 19.7 |
| 5 21 | 16 11.56 | − 4 32.1 | 1.812 | 2.798 | 5.8 | 19.6 |
| 5 31 | 16 3.66 | − 3 28.5 | 1.794 | 2.769 | 7.1 | 19.6 |
| 6 10 | 15 56.14 | − 2 40.7 | 1.801 | 2.742 | 9.9 | 19.7 |
| 6 20 | 15 49.81 | − 2 11.6 | 1.832 | 2.714 | 13.0 | 19.8 |
| 6 30 | 15 45.34 | − 2 1.9 | 1.883 | 2.686 | 15.9 | 20.0 |

**497965** 2007 $BQ_{1}$ 5 25.1 94°.17 3°.2/26.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.64 | −30 9.3 | 1.804 | 2.639 | 14.7 | 21.4 |
| 5 1 | 16 32.07 | −30 15.4 | 1.746 | 2.660 | 11.3 | 21.2 |
| 5 11 | 16 23.12 | −30 9.2 | 1.711 | 2.682 | 7.5 | 21.0 |
| 5 21 | 16 12.73 | −29 49.6 | 1.702 | 2.703 | 4.0 | 20.9 |
| 5 31 | 16 2.11 | −29 17.9 | 1.719 | 2.723 | 3.7 | 20.9 |
| 6 10 | 15 52.49 | −28 37.9 | 1.764 | 2.743 | 6.9 | 21.1 |
| 6 20 | 15 44.81 | −27 54.8 | 1.833 | 2.763 | 10.5 | 21.4 |
| 6 30 | 15 39.66 | −27 13.7 | 1.926 | 2.782 | 13.6 | 21.6 |

**247405** 2002 $CU_{1}$ 5 25.1 131°.26 1°.2/24.2 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 27.72 | −15 42.6 | 3.808 | 4.650 | 7.5 | 21.7 |
| 5 1 | 16 22.97 | −15 33.9 | 3.737 | 4.661 | 5.5 | 21.6 |
| 5 11 | 16 17.27 | −15 24.9 | 3.693 | 4.673 | 3.4 | 21.4 |
| 5 21 | 16 10.98 | −15 16.7 | 3.677 | 4.684 | 1.4 | 21.3 |
| 5 31 | 16 4.56 | −15 10.0 | 3.692 | 4.695 | 2.0 | 21.3 |
| 6 10 | 15 58.44 | −15 6.0 | 3.736 | 4.705 | 4.1 | 21.5 |
| 6 20 | 15 53.04 | −15 5.3 | 3.808 | 4.716 | 6.2 | 21.7 |
| 6 30 | 15 48.67 | −15 8.7 | 3.905 | 4.726 | 8.0 | 21.8 |

**351963** 2006 $TQ_{128}$ 5 25.1 213°.02 0°.4/25.3 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.74 | −22 28.0 | 2.443 | 3.287 | 11.1 | 22.2 |
| 5 1 | 16 27.32 | −22 27.4 | 2.358 | 3.283 | 8.3 | 22.0 |
| 5 11 | 16 20.18 | −22 22.2 | 2.298 | 3.278 | 5.0 | 21.8 |
| 5 21 | 16 11.89 | −22 12.7 | 2.264 | 3.274 | 1.6 | 21.6 |
| 5 31 | 16 3.24 | −21 59.9 | 2.260 | 3.269 | 2.1 | 21.6 |
| 6 10 | 15 55.04 | −21 45.7 | 2.284 | 3.264 | 5.6 | 21.8 |
| 6 20 | 15 48.03 | −21 32.4 | 2.334 | 3.258 | 8.8 | 22.0 |
| 6 30 | 15 42.77 | −21 22.2 | 2.408 | 3.252 | 11.6 | 22.2 |

**477657** 2010 $NJ_{67}$ 5 25.1 255°.58 3°.4/22.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.71 | −11 48.9 | 2.713 | 3.562 | 9.9 | 21.5 |
| 5 1 | 16 24.88 | −10 53.6 | 2.620 | 3.545 | 7.5 | 21.3 |
| 5 11 | 16 18.63 | − 9 58.1 | 2.552 | 3.527 | 5.1 | 21.1 |
| 5 21 | 16 11.43 | − 9 5.3 | 2.513 | 3.509 | 3.5 | 21.0 |
| 5 31 | 16 3.91 | − 8 18.2 | 2.503 | 3.491 | 4.4 | 21.0 |
| 6 10 | 15 56.74 | − 7 39.9 | 2.520 | 3.473 | 6.8 | 21.1 |
| 6 20 | 15 50.51 | − 7 12.3 | 2.564 | 3.454 | 9.5 | 21.3 |
| 6 30 | 15 45.72 | − 6 56.3 | 2.631 | 3.435 | 11.9 | 21.4 |

**21147** 1993 $FV_{80}$ 5 25.1 296°.42 0°.6/25.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.52 | −22 40.3 | 1.741 | 2.600 | 14.1 | 18.7 |
| 5 1 | 16 28.72 | −22 42.2 | 1.648 | 2.580 | 10.6 | 18.4 |
| 5 11 | 16 21.44 | −22 38.3 | 1.577 | 2.560 | 6.6 | 18.1 |
| 5 21 | 16 12.35 | −22 28.3 | 1.531 | 2.541 | 2.1 | 17.8 |
| 5 31 | 16 2.52 | −22 13.4 | 1.512 | 2.521 | 2.8 | 17.8 |
| 6 10 | 15 53.19 | −21 56.1 | 1.518 | 2.502 | 7.4 | 18.0 |
| 6 20 | 15 45.45 | −21 39.9 | 1.549 | 2.482 | 11.8 | 18.2 |
| 6 30 | 15 40.15 | −21 28.4 | 1.601 | 2.463 | 15.6 | 18.4 |

**472594** 2015 $DJ_{136}$ 5 25.1 318°.46 10°.2/20.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.13 | + 2 40.6 | 1.658 | 2.503 | 15.4 | 20.6 |
| 5 1 | 16 26.69 | + 3 38.8 | 1.587 | 2.489 | 13.0 | 20.4 |
| 5 11 | 16 20.04 | + 4 22.4 | 1.536 | 2.475 | 11.0 | 20.3 |
| 5 21 | 16 11.90 | + 4 45.0 | 1.509 | 2.462 | 10.2 | 20.2 |
| 5 31 | 16 3.23 | + 4 41.8 | 1.504 | 2.449 | 11.0 | 20.2 |
| 6 10 | 15 55.14 | + 4 11.3 | 1.523 | 2.436 | 13.2 | 20.3 |
| 6 20 | 15 48.55 | + 3 15.3 | 1.562 | 2.424 | 15.9 | 20.5 |
| 6 30 | 15 44.18 | + 1 57.6 | 1.620 | 2.413 | 18.5 | 20.6 |

**111637** 2002 $AT_{151}$ 5 25.1 163°.34 1°.3/25.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 32.47 | −26 7.1 | 2.692 | 3.525 | 10.4 | 21.1 |
| 5 1 | 16 26.96 | −26 6.1 | 2.612 | 3.529 | 7.9 | 20.9 |
| 5 11 | 16 19.88 | −25 58.6 | 2.557 | 3.533 | 5.0 | 20.7 |
| 5 21 | 16 11.80 | −25 44.6 | 2.529 | 3.536 | 2.1 | 20.5 |
| 5 31 | 16 3.44 | −25 25.1 | 2.531 | 3.539 | 2.1 | 20.5 |
| 6 10 | 15 55.56 | −25 2.0 | 2.561 | 3.541 | 5.1 | 20.7 |
| 6 20 | 15 48.82 | −24 37.8 | 2.619 | 3.543 | 7.9 | 20.9 |
| 6 30 | 15 43.71 | −24 15.3 | 2.700 | 3.545 | 10.5 | 21.1 |

**78556** 2002 $RH_{140}$ 5 25.1 297°.63 3°.4/24.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.70 | −13 29.0 | 1.458 | 2.328 | 15.7 | 19.2 |
| 5 1 | 16 29.85 | −13 21.7 | 1.375 | 2.312 | 11.9 | 18.9 |
| 5 11 | 16 22.24 | −13 17.0 | 1.313 | 2.296 | 7.6 | 18.6 |
| 5 21 | 16 12.62 | −13 17.2 | 1.274 | 2.280 | 3.8 | 18.4 |
| 5 31 | 16 2.18 | −13 24.5 | 1.261 | 2.265 | 5.0 | 18.4 |
| 6 10 | 15 52.31 | −13 41.0 | 1.273 | 2.249 | 9.5 | 18.6 |
| 6 20 | 15 44.25 | −14 7.5 | 1.308 | 2.234 | 14.0 | 18.8 |
| 6 30 | 15 38.92 | −14 44.6 | 1.362 | 2.219 | 18.1 | 19.0 |

**214423** 2005 $QY_{10}$ 5 25.1 345°.11 2°.8/23.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.51 | −14 31.1 | 1.972 | 2.834 | 12.5 | 20.4 |
| 5 1 | 16 25.91 | −14 2.2 | 1.898 | 2.832 | 9.4 | 20.2 |
| 5 11 | 16 19.42 | −13 33.2 | 1.847 | 2.829 | 5.9 | 20.0 |
| 5 21 | 16 11.69 | −13 6.7 | 1.822 | 2.827 | 3.0 | 19.8 |
| 5 31 | 16 3.60 | −12 45.3 | 1.824 | 2.825 | 4.1 | 19.8 |
| 6 10 | 15 56.07 | −12 31.6 | 1.853 | 2.823 | 7.5 | 20.0 |
| 6 20 | 15 49.90 | −12 27.3 | 1.906 | 2.822 | 10.9 | 20.2 |
| 6 30 | 15 45.66 | −12 33.3 | 1.981 | 2.821 | 13.9 | 20.4 |

**468609** 2007 $XM_{1}$ 5 25.1 205°.60 2°.3/24.7 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.78 | −12 34.0 | 1.947 | 2.787 | 13.6 | 21.7 |
| 5 1 | 16 35.20 | −13 5.9 | 1.860 | 2.781 | 10.3 | 21.4 |
| 5 11 | 16 25.19 | −13 42.7 | 1.797 | 2.775 | 6.5 | 21.2 |
| 5 21 | 16 13.45 | −14 24.1 | 1.762 | 2.769 | 2.8 | 20.9 |
| 5 31 | 16 1.03 | −15 9.7 | 1.757 | 2.761 | 3.7 | 21.0 |
| 6 10 | 15 49.13 | −15 58.7 | 1.781 | 2.753 | 7.6 | 21.2 |
| 6 20 | 15 38.78 | −16 50.6 | 1.832 | 2.744 | 11.5 | 21.4 |
| 6 30 | 15 30.80 | −17 45.5 | 1.907 | 2.734 | 14.9 | 21.6 |

**186525** 2002 $VG_{56}$ 5 25.1 176°.12 1°.9/24.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.28 | −16 8.8 | 1.870 | 2.724 | 13.5 | 20.5 |
| 5 1 | 16 30.29 | −16 1.5 | 1.796 | 2.726 | 10.0 | 20.3 |
| 5 11 | 16 22.12 | −15 53.7 | 1.745 | 2.727 | 6.2 | 20.1 |
| 5 21 | 16 12.51 | −15 46.7 | 1.720 | 2.728 | 2.4 | 19.8 |
| 5 31 | 16 2.46 | −15 42.1 | 1.723 | 2.729 | 3.5 | 19.9 |
| 6 10 | 15 53.06 | −15 42.0 | 1.754 | 2.729 | 7.4 | 20.1 |
| 6 20 | 15 45.22 | −15 48.0 | 1.809 | 2.728 | 11.2 | 20.4 |
| 6 30 | 15 39.62 | −16 1.3 | 1.887 | 2.727 | 14.5 | 20.6 |

**214161** 2005 $CQ_{20}$ 5 25.1 183°.99 3°.4/23.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.93 | −13 57.3 | 1.606 | 2.469 | 14.9 | 20.3 |
| 5 1 | 16 30.30 | −13 31.5 | 1.535 | 2.469 | 11.2 | 20.1 |
| 5 11 | 16 22.23 | −13 6.5 | 1.487 | 2.469 | 7.1 | 19.8 |
| 5 21 | 16 12.56 | −12 44.9 | 1.464 | 2.469 | 3.7 | 19.6 |
| 5 31 | 16 2.40 | −12 29.9 | 1.467 | 2.468 | 4.8 | 19.7 |
| 6 10 | 15 53.00 | −12 24.0 | 1.496 | 2.467 | 8.8 | 19.9 |
| 6 20 | 15 45.36 | −12 29.0 | 1.549 | 2.466 | 12.8 | 20.2 |
| 6 30 | 15 40.20 | −12 45.5 | 1.622 | 2.465 | 16.3 | 20.4 |

**236609** 2006 $JK_{40}$ 5 25.1 298°.65 0°.5/25.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.55 | −21 40.6 | 1.848 | 2.703 | 13.6 | 20.6 |
| 5 1 | 16 29.20 | −21 54.4 | 1.769 | 2.699 | 10.2 | 20.3 |
| 5 11 | 16 21.56 | −22 4.3 | 1.713 | 2.696 | 6.2 | 20.1 |
| 5 21 | 16 12.37 | −22 9.8 | 1.683 | 2.692 | 1.9 | 19.8 |
| 5 31 | 16 2.64 | −22 11.5 | 1.679 | 2.689 | 2.6 | 19.9 |
| 6 10 | 15 53.52 | −22 11.0 | 1.703 | 2.685 | 6.9 | 20.1 |
| 6 20 | 15 45.96 | −22 10.9 | 1.752 | 2.682 | 10.8 | 20.3 |
| 6 30 | 15 40.70 | −22 13.6 | 1.822 | 2.679 | 14.2 | 20.5 |

**217940** 2001 $TO_{132}$ 5 25.1 169°.98 5°.6/28.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.24 | −38 38.8 | 2.381 | 3.170 | 13.0 | 21.0 |
| 5 1 | 16 33.18 | −39 3.9 | 2.301 | 3.175 | 10.6 | 20.8 |
| 5 11 | 16 23.85 | −39 14.3 | 2.243 | 3.179 | 8.1 | 20.6 |
| 5 21 | 16 13.03 | −39 7.2 | 2.211 | 3.183 | 6.1 | 20.5 |
| 5 31 | 16 1.77 | −38 41.9 | 2.206 | 3.185 | 5.7 | 20.5 |
| 6 10 | 15 51.24 | −38 1.0 | 2.229 | 3.187 | 7.2 | 20.6 |
| 6 20 | 15 42.38 | −37 9.1 | 2.278 | 3.188 | 9.6 | 20.7 |
| 6 30 | 15 35.86 | −36 12.0 | 2.351 | 3.189 | 12.1 | 20.9 |

**365172** 2009 $DK_{141}$ 5 25.1 280°.70 0°.4/24.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.32 | −20 54.8 | 1.471 | 2.338 | 15.8 | 21.5 |
| 5 1 | 16 30.37 | −20 46.3 | 1.388 | 2.324 | 11.9 | 21.3 |
| 5 11 | 16 22.57 | −20 32.0 | 1.325 | 2.311 | 7.3 | 21.0 |
| 5 21 | 16 12.74 | −20 12.7 | 1.287 | 2.297 | 2.2 | 20.6 |
| 5 31 | 16 2.11 | −19 50.3 | 1.274 | 2.283 | 3.3 | 20.6 |
| 6 10 | 15 52.15 | −19 28.5 | 1.286 | 2.269 | 8.5 | 20.9 |
| 6 20 | 15 44.09 | −19 11.3 | 1.321 | 2.255 | 13.3 | 21.1 |
| 6 30 | 15 38.86 | −19 2.2 | 1.376 | 2.241 | 17.5 | 21.4 |

**123231** 2000 $UC_{55}$ 5 25.1 215°.05 0°.5/24.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.22 | −19 37.9 | 2.283 | 3.128 | 11.7 | 20.9 |
| 5 1 | 16 29.29 | −19 35.1 | 2.194 | 3.120 | 8.7 | 20.7 |
| 5 11 | 16 21.46 | −19 29.4 | 2.131 | 3.112 | 5.3 | 20.4 |
| 5 21 | 16 12.33 | −19 21.3 | 2.094 | 3.104 | 1.6 | 20.2 |
| 5 31 | 16 2.75 | −19 11.8 | 2.086 | 3.094 | 2.4 | 20.2 |
| 6 10 | 15 53.64 | −19 3.0 | 2.107 | 3.084 | 6.2 | 20.4 |
| 6 20 | 15 45.79 | −18 56.7 | 2.154 | 3.074 | 9.6 | 20.6 |
| 6 30 | 15 39.84 | −18 55.2 | 2.225 | 3.063 | 12.7 | 20.8 |

**362557** 2010 $VU_{31}$ 5 25.1 191°.36 0°.3/25.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.39 | −21 10.0 | 2.795 | 3.635 | 9.9 | 20.9 |
| 5 1 | 16 26.88 | −21 25.7 | 2.711 | 3.634 | 7.4 | 20.7 |
| 5 11 | 16 19.86 | −21 38.8 | 2.653 | 3.633 | 4.5 | 20.5 |
| 5 21 | 16 11.83 | −21 49.2 | 2.622 | 3.632 | 1.4 | 20.3 |
| 5 31 | 16 3.47 | −21 57.1 | 2.621 | 3.630 | 1.9 | 20.3 |
| 6 10 | 15 55.50 | −22 3.6 | 2.650 | 3.629 | 5.0 | 20.5 |
| 6 20 | 15 48.54 | −22 9.9 | 2.705 | 3.627 | 7.8 | 20.7 |
| 6 30 | 15 43.11 | −22 17.5 | 2.786 | 3.625 | 10.4 | 20.9 |

**475596** 2006 $UU_{79}$ 5 25.1 229°.53 0°.5/24.9 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.18 | −20 15.2 | 2.463 | 3.310 | 10.9 | 22.6 |
| 5 1 | 16 26.90 | −20 4.5 | 2.375 | 3.302 | 8.1 | 22.4 |
| 5 11 | 16 19.95 | −19 50.2 | 2.312 | 3.294 | 4.9 | 22.2 |
| 5 21 | 16 11.87 | −19 33.2 | 2.276 | 3.286 | 1.5 | 22.0 |
| 5 31 | 16 3.42 | −19 14.9 | 2.269 | 3.277 | 2.2 | 22.0 |
| 6 10 | 15 55.40 | −18 57.5 | 2.290 | 3.268 | 5.7 | 22.2 |
| 6 20 | 15 48.53 | −18 43.0 | 2.338 | 3.259 | 8.9 | 22.4 |
| 6 30 | 15 43.35 | −18 33.6 | 2.409 | 3.249 | 11.7 | 22.6 |

**490691** 2010 $MN_{114}$ 5 25.1 283°.79 5°.0/21.0 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.83 | −10 4.7 | 2.362 | 3.214 | 11.1 | 21.3 |
| 5 1 | 16 25.95 | − 8 27.8 | 2.266 | 3.189 | 8.6 | 21.1 |
| 5 11 | 16 19.39 | − 6 49.1 | 2.195 | 3.164 | 6.2 | 20.9 |
| 5 21 | 16 11.72 | − 5 13.5 | 2.153 | 3.139 | 5.0 | 20.8 |
| 5 31 | 16 3.63 | − 3 46.6 | 2.139 | 3.114 | 6.2 | 20.8 |
| 6 10 | 15 55.92 | − 2 33.3 | 2.153 | 3.088 | 8.8 | 20.9 |
| 6 20 | 15 49.28 | − 1 36.8 | 2.193 | 3.062 | 11.6 | 21.0 |
| 6 30 | 15 44.29 | − 0 58.6 | 2.253 | 3.036 | 14.2 | 21.2 |

**390964** 2005 $QA_{27}$ 5 25.1 303°.99 3°.3/26.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.87 | −28 55.6 | 2.014 | 2.854 | 13.2 | 20.7 |
| 5 1 | 16 28.87 | −29 27.1 | 1.917 | 2.833 | 10.3 | 20.4 |
| 5 11 | 16 21.50 | −29 50.5 | 1.842 | 2.813 | 7.0 | 20.2 |
| 5 21 | 16 12.42 | −30 3.8 | 1.793 | 2.793 | 3.9 | 20.0 |
| 5 31 | 16 2.58 | −30 5.9 | 1.770 | 2.773 | 3.8 | 19.9 |
| 6 10 | 15 53.16 | −29 58.0 | 1.774 | 2.753 | 7.0 | 20.1 |
| 6 20 | 15 45.20 | −29 43.4 | 1.804 | 2.734 | 10.6 | 20.2 |
| 6 30 | 15 39.52 | −29 26.1 | 1.856 | 2.715 | 13.9 | 20.4 |

**67879** 2000 $WJ_{43}$ 5 25.1 233°.85 1°.5/24.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.58 | −19 41.5 | 1.642 | 2.503 | 14.7 | 19.9 |
| 5 1 | 16 30.15 | −19 2.6 | 1.561 | 2.495 | 11.0 | 19.6 |
| 5 11 | 16 22.22 | −18 17.5 | 1.503 | 2.487 | 6.7 | 19.4 |
| 5 21 | 16 12.59 | −17 28.3 | 1.469 | 2.478 | 2.3 | 19.1 |
| 5 31 | 16 2.42 | −16 38.9 | 1.463 | 2.469 | 3.6 | 19.1 |
| 6 10 | 15 52.95 | −15 54.2 | 1.482 | 2.460 | 8.2 | 19.4 |
| 6 20 | 15 45.23 | −15 18.3 | 1.526 | 2.450 | 12.5 | 19.6 |
| 6 30 | 15 40.03 | −14 54.5 | 1.591 | 2.440 | 16.3 | 19.8 |

**382958** 2004 $VD_{130}$ 5 25.1 185°.13 1°.8/26.0 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.78 | −27 23.0 | 2.581 | 3.408 | 11.0 | 22.9 |
| 5 1 | 16 29.53 | −27 25.8 | 2.496 | 3.408 | 8.4 | 22.7 |
| 5 11 | 16 21.51 | −27 21.0 | 2.435 | 3.408 | 5.4 | 22.5 |
| 5 21 | 16 12.33 | −27 8.1 | 2.402 | 3.406 | 2.5 | 22.3 |
| 5 31 | 16 2.81 | −26 47.9 | 2.398 | 3.404 | 2.5 | 22.3 |
| 6 10 | 15 53.79 | −26 22.3 | 2.423 | 3.402 | 5.4 | 22.5 |
| 6 20 | 15 46.02 | −25 54.5 | 2.476 | 3.399 | 8.4 | 22.7 |
| 6 30 | 15 40.06 | −25 27.5 | 2.553 | 3.395 | 11.1 | 22.9 |

**260452** 2005 $AW_{14}$ 5 25.1 75°.92 6°.9/27.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.81 | −36 35.6 | 1.430 | 2.260 | 18.2 | 20.3 |
| 5 1 | 16 34.58 | −37 12.0 | 1.374 | 2.275 | 14.6 | 20.1 |
| 5 11 | 16 25.06 | −37 28.6 | 1.337 | 2.291 | 10.9 | 19.9 |
| 5 21 | 16 13.42 | −37 21.2 | 1.323 | 2.307 | 7.7 | 19.8 |
| 5 31 | 16 1.34 | −36 49.3 | 1.333 | 2.323 | 7.1 | 19.8 |
| 6 10 | 15 50.57 | −35 57.7 | 1.367 | 2.339 | 9.4 | 19.9 |
| 6 20 | 15 42.39 | −34 54.8 | 1.425 | 2.355 | 12.8 | 20.2 |
| 6 30 | 15 37.57 | −33 49.3 | 1.503 | 2.371 | 16.1 | 20.4 |

**460007** 2014 $OZ_{108}$ 5 25.1 216°.14 0°.3/25.0 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.47 | −20 29.4 | 1.460 | 2.322 | 16.1 | 22.1 |
| 5 1 | 16 32.64 | −20 31.0 | 1.384 | 2.318 | 12.1 | 21.9 |
| 5 11 | 16 23.90 | −20 28.1 | 1.329 | 2.314 | 7.4 | 21.6 |
| 5 21 | 16 13.13 | −20 20.8 | 1.299 | 2.309 | 2.2 | 21.2 |
| 5 31 | 16 1.65 | −20 10.5 | 1.295 | 2.304 | 3.2 | 21.3 |
| 6 10 | 15 50.96 | −20 0.0 | 1.316 | 2.298 | 8.4 | 21.6 |
| 6 20 | 15 42.32 | −19 52.9 | 1.361 | 2.293 | 13.2 | 21.8 |
| 6 30 | 15 36.59 | −19 52.4 | 1.426 | 2.287 | 17.2 | 22.1 |

**469139** 2015 $FC_{97}$ 5 25.1 42°.93 1°.4/24.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 32.25 | −20 26.3 | 1.584 | 2.452 | 14.8 | 20.6 |
| 5 1 | 16 27.47 | −19 41.1 | 1.526 | 2.464 | 10.9 | 20.4 |
| 5 11 | 16 20.43 | −18 49.7 | 1.491 | 2.477 | 6.5 | 20.1 |
| 5 21 | 16 12.01 | −17 55.3 | 1.480 | 2.490 | 2.1 | 19.9 |
| 5 31 | 16 3.34 | −17 2.2 | 1.496 | 2.503 | 3.4 | 20.0 |
| 6 10 | 15 55.57 | −16 15.1 | 1.537 | 2.517 | 7.7 | 20.3 |
| 6 20 | 15 49.58 | −15 37.9 | 1.602 | 2.531 | 11.8 | 20.6 |
| 6 30 | 15 45.95 | −15 12.9 | 1.688 | 2.545 | 15.2 | 20.8 |

**278334** 2007 $HQ_{79}$ 5 25.1 341°.27 10°.2/21.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.92 | + 0 9.7 | 1.421 | 2.284 | 16.5 | 19.5 |
| 5 1 | 16 26.06 | + 1 16.0 | 1.357 | 2.274 | 13.7 | 19.3 |
| 5 11 | 16 19.78 | + 2 8.3 | 1.314 | 2.265 | 11.3 | 19.2 |
| 5 21 | 16 11.88 | + 2 39.3 | 1.292 | 2.257 | 10.2 | 19.1 |
| 5 31 | 16 3.45 | + 2 43.5 | 1.293 | 2.250 | 11.2 | 19.1 |
| 6 10 | 15 55.73 | + 2 19.0 | 1.315 | 2.244 | 13.7 | 19.2 |
| 6 20 | 15 49.71 | + 1 27.6 | 1.358 | 2.238 | 16.7 | 19.4 |
| 6 30 | 15 46.13 | + 0 13.7 | 1.418 | 2.234 | 19.6 | 19.6 |

**257948** 2000 $YJ_{28}$ 5 25.1 222°.22 4°.0/27.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.87 | −35 27.4 | 2.061 | 2.870 | 14.1 | 21.0 |
| 5 1 | 16 33.85 | −34 59.0 | 1.964 | 2.858 | 11.2 | 20.7 |
| 5 11 | 16 24.35 | −34 12.3 | 1.889 | 2.846 | 7.9 | 20.5 |
| 5 21 | 16 13.21 | −33 5.9 | 1.840 | 2.833 | 4.9 | 20.3 |
| 5 31 | 16 1.60 | −31 41.5 | 1.819 | 2.819 | 4.3 | 20.2 |
| 6 10 | 15 50.80 | −30 4.3 | 1.828 | 2.804 | 7.0 | 20.4 |
| 6 20 | 15 41.83 | −28 22.1 | 1.864 | 2.789 | 10.6 | 20.5 |
| 6 30 | 15 35.41 | −26 42.5 | 1.924 | 2.772 | 13.9 | 20.7 |

**257282** 2009 $HT_{19}$ 5 25.1 342°.06 3°.8/23.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 27.48 | −16 44.9 | 1.049 | 1.948 | 18.1 | 19.8 |
| 5 1 | 16 25.12 | −15 54.3 | 0.981 | 1.934 | 13.6 | 19.5 |
| 5 11 | 16 19.63 | −14 58.4 | 0.931 | 1.921 | 8.5 | 19.1 |
| 5 21 | 16 11.92 | −14 2.7 | 0.902 | 1.909 | 4.1 | 18.9 |
| 5 31 | 16 3.40 | −13 13.7 | 0.894 | 1.899 | 5.9 | 18.9 |
| 6 10 | 15 55.76 | −12 38.3 | 0.908 | 1.891 | 11.2 | 19.2 |
| 6 20 | 15 50.34 | −12 20.9 | 0.941 | 1.884 | 16.4 | 19.4 |
| 6 30 | 15 48.10 | −12 23.2 | 0.991 | 1.878 | 21.0 | 19.7 |

**494421** 2016 $US_{75}$ 5 25.1 261°.20 1°.9/23.9 16 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.24 | −17 15.5 | 2.423 | 3.276 | 10.8 | 21.6 |
| 5 1 | 16 25.46 | −16 33.6 | 2.335 | 3.266 | 8.0 | 21.4 |
| 5 11 | 16 19.07 | −15 48.7 | 2.272 | 3.255 | 4.9 | 21.2 |
| 5 21 | 16 11.62 | −15 2.9 | 2.237 | 3.244 | 2.2 | 21.0 |
| 5 31 | 16 3.85 | −14 19.2 | 2.230 | 3.233 | 3.2 | 21.0 |
| 6 10 | 15 56.51 | −13 40.6 | 2.251 | 3.221 | 6.3 | 21.2 |
| 6 20 | 15 50.28 | −13 9.6 | 2.298 | 3.210 | 9.5 | 21.4 |
| 6 30 | 15 45.69 | −12 48.1 | 2.368 | 3.199 | 12.2 | 21.5 |

**19189** Stradivari 5 25.1 221°.01 4°.0/23.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.64 | − 8 53.4 | 2.279 | 3.123 | 11.7 | 18.3 |
| 5 1 | 16 28.78 | − 8 38.2 | 2.194 | 3.115 | 9.0 | 18.1 |
| 5 11 | 16 21.12 | − 8 27.4 | 2.134 | 3.106 | 6.1 | 17.9 |
| 5 21 | 16 12.25 | − 8 23.3 | 2.101 | 3.096 | 4.1 | 17.7 |
| 5 31 | 16 2.96 | − 8 27.6 | 2.096 | 3.086 | 4.9 | 17.8 |
| 6 10 | 15 54.11 | − 8 41.6 | 2.119 | 3.075 | 7.7 | 17.9 |
| 6 20 | 15 46.45 | − 9 5.6 | 2.167 | 3.064 | 10.7 | 18.1 |
| 6 30 | 15 40.59 | − 9 39.4 | 2.239 | 3.052 | 13.4 | 18.3 |

**280316** 2003 $QW_{119}$ 5 25.1 224°.41 5°.0/22.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.93 | − 9 22.4 | 1.916 | 2.774 | 13.0 | 21.1 |
| 5 1 | 16 26.97 | − 8 31.2 | 1.845 | 2.772 | 10.0 | 20.9 |
| 5 11 | 16 20.07 | − 7 43.3 | 1.798 | 2.771 | 6.9 | 20.7 |
| 5 21 | 16 11.93 | − 7 2.7 | 1.776 | 2.769 | 5.1 | 20.6 |
| 5 31 | 16 3.45 | − 6 33.2 | 1.781 | 2.767 | 6.1 | 20.6 |
| 6 10 | 15 55.55 | − 6 17.6 | 1.812 | 2.765 | 9.0 | 20.8 |
| 6 20 | 15 49.05 | − 6 17.0 | 1.867 | 2.763 | 12.1 | 21.0 |
| 6 30 | 15 44.54 | − 6 31.1 | 1.943 | 2.761 | 15.0 | 21.2 |

**518918** 2010 $GE_{32}$ 5 25.1 308°.64 0°.8/25.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.25 | −23 41.0 | 1.937 | 2.790 | 13.2 | 21.4 |
| 5 1 | 16 28.13 | −23 39.0 | 1.859 | 2.788 | 9.9 | 21.2 |
| 5 11 | 16 20.87 | −23 30.4 | 1.804 | 2.785 | 6.1 | 21.0 |
| 5 21 | 16 12.19 | −23 15.6 | 1.774 | 2.783 | 2.1 | 20.7 |
| 5 31 | 16 3.06 | −22 55.7 | 1.772 | 2.781 | 2.5 | 20.7 |
| 6 10 | 15 54.56 | −22 33.6 | 1.796 | 2.779 | 6.5 | 21.0 |
| 6 20 | 15 47.56 | −22 12.4 | 1.846 | 2.777 | 10.3 | 21.2 |
| 6 30 | 15 42.73 | −21 55.3 | 1.918 | 2.775 | 13.6 | 21.4 |

**304382** 2006 $SR_{392}$ 5 25.1 328°.66 0°.7/25.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.55 | −25 3.6 | 2.011 | 2.862 | 12.8 | 20.4 |
| 5 1 | 16 26.77 | −24 36.8 | 1.931 | 2.859 | 9.6 | 20.1 |
| 5 11 | 16 19.99 | −24 1.2 | 1.874 | 2.855 | 5.9 | 19.9 |
| 5 21 | 16 11.92 | −23 17.9 | 1.843 | 2.852 | 2.0 | 19.6 |
| 5 31 | 16 3.47 | −22 29.3 | 1.839 | 2.848 | 2.4 | 19.7 |
| 6 10 | 15 55.65 | −21 39.4 | 1.863 | 2.845 | 6.3 | 19.9 |
| 6 20 | 15 49.27 | −20 52.4 | 1.912 | 2.843 | 10.0 | 20.1 |
| 6 30 | 15 44.95 | −20 12.0 | 1.983 | 2.840 | 13.3 | 20.3 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **439137** 2011 $TP_{12}$ | | | 5 25.1 261°.06 | | 2°.1/24.1 16 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 31.65 | −15 48.2 | 2.286 | 3.140 | 11.4 | 22.2 |
| 5 1 | 16 26.64 | −15 25.4 | 2.196 | 3.126 | 8.5 | 22.0 |
| 5 11 | 16 19.86 | −15 1.4 | 2.131 | 3.113 | 5.3 | 21.7 |
| 5 21 | 16 11.89 | −14 38.1 | 2.093 | 3.099 | 2.4 | 21.5 |
| 5 31 | 16 3.50 | −14 17.6 | 2.082 | 3.085 | 3.3 | 21.6 |
| 6 10 | 15 55.53 | −14 2.2 | 2.100 | 3.071 | 6.7 | 21.7 |
| 6 20 | 15 48.72 | −13 53.9 | 2.143 | 3.057 | 9.9 | 21.9 |
| 6 30 | 15 43.67 | −13 54.0 | 2.209 | 3.043 | 12.9 | 22.1 |
| **398037** 2009 $DN_{134}$ | | | 5 25.1 57°.87 | | 9°.4/18.3 17 | |
| 4 21 | 16 31.58 | + 0 40.0 | 1.932 | 2.773 | 13.7 | 20.1 |
| 5 1 | 16 26.39 | + 2 57.3 | 1.897 | 2.795 | 11.4 | 20.0 |
| 5 11 | 16 19.53 | + 5 2.2 | 1.888 | 2.818 | 9.8 | 20.0 |
| 5 21 | 16 11.73 | + 6 47.3 | 1.904 | 2.841 | 9.4 | 20.0 |
| 5 31 | 16 3.84 | + 8 6.7 | 1.946 | 2.864 | 10.5 | 20.1 |
| 6 10 | 15 56.71 | + 8 57.8 | 2.011 | 2.887 | 12.2 | 20.3 |
| 6 20 | 15 50.98 | + 9 21.6 | 2.098 | 2.910 | 14.2 | 20.4 |
| 6 30 | 15 47.11 | + 9 20.7 | 2.203 | 2.933 | 16.0 | 20.6 |
| **72557** 2001 $EN_5$ | | | 5 25.1 207°.44 | | 2°.4/26.0 18 | |
| 4 21 | 16 35.66 | −27 14.4 | 2.056 | 2.895 | 13.0 | 19.6 |
| 5 1 | 16 29.92 | −27 34.2 | 1.975 | 2.893 | 9.9 | 19.4 |
| 5 11 | 16 21.98 | −27 46.2 | 1.917 | 2.891 | 6.5 | 19.2 |
| 5 21 | 16 12.54 | −27 49.0 | 1.884 | 2.888 | 3.1 | 19.0 |
| 5 31 | 16 2.59 | −27 42.6 | 1.880 | 2.886 | 3.1 | 19.0 |
| 6 10 | 15 53.23 | −27 29.0 | 1.903 | 2.883 | 6.5 | 19.2 |
| 6 20 | 15 45.39 | −27 11.4 | 1.951 | 2.880 | 10.0 | 19.4 |
| 6 30 | 15 39.76 | −26 53.6 | 2.023 | 2.877 | 13.1 | 19.6 |
| **157005** 2003 $PG_4$ | | | 5 25.1 341°.48 | | 7°.9/27.6 16 | |
| 4 21 | 16 25.30 | −34 51.8 | 1.086 | 1.959 | 19.6 | 19.1 |
| 5 1 | 16 24.15 | −35 36.7 | 1.003 | 1.932 | 16.1 | 18.8 |
| 5 11 | 16 19.46 | −36 2.1 | 0.938 | 1.908 | 12.2 | 18.5 |
| 5 21 | 16 11.98 | −36 2.2 | 0.893 | 1.885 | 8.8 | 18.2 |
| 5 31 | 16 3.26 | −35 33.8 | 0.867 | 1.865 | 8.1 | 18.1 |
| 6 10 | 15 55.32 | −34 40.0 | 0.861 | 1.847 | 11.2 | 18.2 |
| 6 20 | 15 49.93 | −33 29.2 | 0.875 | 1.831 | 15.7 | 18.4 |
| 6 30 | 15 48.33 | −32 12.2 | 0.906 | 1.818 | 20.2 | 18.6 |
| **205658** 2001 $XY_{147}$ | | | 5 25.1 187°.63 | | 0°.4/24.9 17 | |
| 4 21 | 16 36.80 | −22 27.2 | 1.555 | 2.415 | 15.4 | 20.9 |
| 5 1 | 16 31.13 | −21 54.7 | 1.482 | 2.415 | 11.5 | 20.7 |
| 5 11 | 16 22.83 | −21 13.6 | 1.431 | 2.415 | 7.0 | 20.4 |
| 5 21 | 16 12.80 | −20 25.5 | 1.404 | 2.414 | 2.1 | 20.1 |
| 5 31 | 16 2.28 | −19 34.0 | 1.404 | 2.413 | 3.1 | 20.2 |
| 6 10 | 15 52.62 | −18 44.1 | 1.430 | 2.411 | 8.0 | 20.5 |
| 6 20 | 15 44.90 | −18 1.0 | 1.480 | 2.409 | 12.5 | 20.7 |
| 6 30 | 15 39.86 | −17 28.6 | 1.551 | 2.407 | 16.3 | 20.9 |
| **507776** 2013 $YQ_{132}$ | | | 5 25.1 101°.48 | | 2°.9/26.3 17 | |
| 4 21 | 16 35.71 | −28 50.7 | 1.996 | 2.833 | 13.4 | 21.7 |
| 5 1 | 16 29.96 | −29 12.5 | 1.923 | 2.839 | 10.3 | 21.5 |
| 5 11 | 16 21.98 | −29 24.8 | 1.874 | 2.845 | 6.9 | 21.3 |
| 5 21 | 16 12.54 | −29 26.3 | 1.850 | 2.852 | 3.7 | 21.2 |
| 5 31 | 16 2.67 | −29 17.0 | 1.854 | 2.858 | 3.5 | 21.2 |
| 6 10 | 15 53.49 | −28 59.2 | 1.884 | 2.864 | 6.6 | 21.4 |
| 6 20 | 15 45.92 | −28 36.6 | 1.940 | 2.869 | 10.0 | 21.6 |
| 6 30 | 15 40.64 | −28 13.2 | 2.019 | 2.875 | 13.1 | 21.8 |
| **28000** 1997 $WC_{35}$ | | | 5 25.1 98°.30 | | 1°.2/24.6 18 | |
| 4 21 | 16 32.44 | −18 9.5 | 2.074 | 2.930 | 12.3 | 18.0 |
| 5 1 | 16 27.30 | −17 56.5 | 2.000 | 2.931 | 9.1 | 17.8 |
| 5 11 | 16 20.27 | −17 41.4 | 1.950 | 2.933 | 5.5 | 17.5 |
| 5 21 | 16 12.01 | −17 25.2 | 1.926 | 2.935 | 1.9 | 17.3 |
| 5 31 | 16 3.41 | −17 10.0 | 1.930 | 2.937 | 2.9 | 17.4 |
| 6 10 | 15 55.39 | −16 57.9 | 1.961 | 2.938 | 6.6 | 17.6 |
| 6 20 | 15 48.72 | −16 51.0 | 2.018 | 2.940 | 10.0 | 17.8 |
| 6 30 | 15 43.99 | −16 50.9 | 2.097 | 2.942 | 13.1 | 18.0 |
| **497925** 2006 $VT_{117}$ | | | 5 25.1 191°.82 | | 0°.5/25.3 17 | |
| 4 21 | 16 36.60 | −23 29.5 | 2.062 | 2.906 | 12.8 | 22.9 |
| 5 1 | 16 30.48 | −23 16.8 | 1.980 | 2.904 | 9.6 | 22.7 |
| 5 11 | 16 22.24 | −22 57.4 | 1.922 | 2.902 | 5.9 | 22.5 |
| 5 21 | 16 12.61 | −22 31.4 | 1.890 | 2.900 | 1.9 | 22.2 |
| 5 31 | 16 2.56 | −22 0.7 | 1.887 | 2.896 | 2.4 | 22.3 |
| 6 10 | 15 53.14 | −21 28.3 | 1.912 | 2.892 | 6.4 | 22.5 |
| 6 20 | 15 45.21 | −20 57.8 | 1.963 | 2.888 | 10.2 | 22.7 |
| 6 30 | 15 39.44 | −20 32.4 | 2.037 | 2.882 | 13.4 | 22.9 |
| **438862** 2009 $FX_{33}$ | | | 5 25.1 308°.54 | | 6°.2/21.7 18 | |
| 4 21 | 16 30.07 | − 5 33.2 | 2.037 | 2.892 | 12.5 | 21.4 |
| 5 1 | 16 25.50 | − 4 31.8 | 1.967 | 2.887 | 9.9 | 21.2 |
| 5 11 | 16 19.16 | − 3 36.1 | 1.921 | 2.883 | 7.5 | 21.1 |
| 5 21 | 16 11.69 | − 2 50.6 | 1.900 | 2.879 | 6.2 | 21.0 |
| 5 31 | 16 3.89 | − 2 19.4 | 1.905 | 2.875 | 7.2 | 21.0 |
| 6 10 | 15 56.62 | − 2 5.0 | 1.935 | 2.871 | 9.6 | 21.2 |
| 6 20 | 15 50.60 | − 2 8.1 | 1.989 | 2.868 | 12.3 | 21.3 |
| 6 30 | 15 46.41 | − 2 27.7 | 2.064 | 2.864 | 14.8 | 21.5 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **429545** 2011 $CL_{16}$ | | | 5 25.1 54°.97 | | 10°.3/21.9 17 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.97 | + 2 7.2 | 1.475 | 2.324 | 16.7 | 20.4 |
| 5 1 | 16 28.60 | + 3 10.7 | 1.440 | 2.345 | 13.8 | 20.2 |
| 5 11 | 16 21.04 | + 3 56.4 | 1.425 | 2.366 | 11.4 | 20.1 |
| 5 21 | 16 12.21 | + 4 18.5 | 1.432 | 2.388 | 10.3 | 20.1 |
| 5 31 | 16 3.26 | + 4 13.7 | 1.463 | 2.410 | 11.0 | 20.2 |
| 6 10 | 15 55.30 | + 3 42.3 | 1.516 | 2.432 | 13.1 | 20.4 |
| 6 20 | 15 49.15 | + 2 47.7 | 1.590 | 2.455 | 15.5 | 20.6 |
| 6 30 | 15 45.36 | + 1 34.7 | 1.683 | 2.477 | 17.9 | 20.8 |
| **165577** 2001 $EA$ | | | 5 25.1 167°.59 | | 3°.3/23.6 17 | |
| 4 21 | 16 36.73 | −12 21.2 | 2.162 | 3.008 | 12.2 | 20.6 |
| 5 1 | 16 30.29 | −11 51.2 | 2.091 | 3.014 | 9.2 | 20.4 |
| 5 11 | 16 21.99 | −11 22.6 | 2.043 | 3.020 | 6.0 | 20.2 |
| 5 21 | 16 12.52 | −10 57.8 | 2.024 | 3.024 | 3.5 | 20.1 |
| 5 31 | 16 2.75 | −10 39.3 | 2.032 | 3.028 | 4.4 | 20.1 |
| 6 10 | 15 53.59 | −10 29.2 | 2.069 | 3.031 | 7.5 | 20.3 |
| 6 20 | 15 45.81 | −10 28.8 | 2.132 | 3.033 | 10.6 | 20.5 |
| 6 30 | 15 39.96 | −10 38.5 | 2.218 | 3.034 | 13.4 | 20.7 |
| **479124** 2013 $BW_{23}$ | | | 5 25.1 46°.71 | | 6°.5/29.3 18 | |
| 4 21 | 16 35.70 | −42 1.9 | 2.248 | 3.033 | 13.8 | 20.8 |
| 5 1 | 16 29.98 | −42 12.1 | 2.170 | 3.036 | 11.5 | 20.6 |
| 5 11 | 16 21.98 | −42 4.3 | 2.113 | 3.039 | 9.1 | 20.4 |
| 5 21 | 16 12.54 | −41 36.1 | 2.080 | 3.042 | 7.1 | 20.3 |
| 5 31 | 16 2.75 | −40 47.5 | 2.073 | 3.046 | 6.5 | 20.3 |
| 6 10 | 15 53.77 | −39 41.9 | 2.092 | 3.049 | 7.7 | 20.4 |
| 6 20 | 15 46.53 | −38 25.1 | 2.137 | 3.052 | 9.9 | 20.5 |
| 6 30 | 15 41.67 | −37 3.6 | 2.205 | 3.056 | 12.3 | 20.7 |
| **151045** 2001 $UL_{216}$ | | | 5 25.1 72°.53 | | 2°.1/24.0 17 | |
| 4 21 | 16 32.71 | −16 14.3 | 2.117 | 2.972 | 12.1 | 20.3 |
| 5 1 | 16 27.21 | −15 41.3 | 2.066 | 2.997 | 8.9 | 20.2 |
| 5 11 | 16 20.04 | −15 7.4 | 2.039 | 3.021 | 5.4 | 20.0 |
| 5 21 | 16 11.92 | −14 34.8 | 2.039 | 3.046 | 2.4 | 19.8 |
| 5 31 | 16 3.67 | −14 6.1 | 2.067 | 3.070 | 3.4 | 19.9 |
| 6 10 | 15 56.15 | −13 43.8 | 2.123 | 3.094 | 6.6 | 20.2 |
| 6 20 | 15 50.00 | −13 29.6 | 2.204 | 3.118 | 9.7 | 20.4 |
| 6 30 | 15 45.70 | −13 24.6 | 2.307 | 3.141 | 12.4 | 20.6 |
| **494282** 2016 $RJ_{11}$ | | | 5 25.1 171°.47 | | 2°.2/26.5 18 | |
| 4 21 | 16 32.81 | −29 54.3 | 2.870 | 3.692 | 10.2 | 22.0 |
| 5 1 | 16 27.20 | −29 49.5 | 2.787 | 3.695 | 7.8 | 21.8 |
| 5 11 | 16 20.06 | −29 36.2 | 2.729 | 3.697 | 5.2 | 21.7 |
| 5 21 | 16 11.95 | −29 14.2 | 2.698 | 3.699 | 2.8 | 21.5 |
| 5 31 | 16 3.58 | −28 44.4 | 2.697 | 3.701 | 2.6 | 21.5 |
| 6 10 | 15 55.70 | −28 9.0 | 2.724 | 3.702 | 4.9 | 21.6 |
| 6 20 | 15 48.94 | −27 31.0 | 2.779 | 3.703 | 7.6 | 21.8 |
| 6 30 | 15 43.77 | −26 53.5 | 2.859 | 3.703 | 10.0 | 22.0 |
| **507856** 2014 $HQ_{137}$ | | | 5 25.1 92°.70 | | 4°.1/22.7 17 | |
| 4 21 | 16 30.62 | −10 7.7 | 2.375 | 3.227 | 11.1 | 21.9 |
| 5 1 | 16 25.55 | − 9 14.3 | 2.318 | 3.243 | 8.4 | 21.8 |
| 5 11 | 16 19.02 | − 8 23.7 | 2.286 | 3.258 | 5.7 | 21.6 |
| 5 21 | 16 11.62 | − 7 38.9 | 2.281 | 3.274 | 4.1 | 21.5 |
| 5 31 | 16 4.08 | − 7 3.0 | 2.304 | 3.289 | 5.0 | 21.6 |
| 6 10 | 15 57.10 | − 6 38.4 | 2.354 | 3.304 | 7.4 | 21.8 |
| 6 20 | 15 51.29 | − 6 26.0 | 2.429 | 3.319 | 9.9 | 22.0 |
| 6 30 | 15 47.07 | − 6 25.9 | 2.527 | 3.334 | 12.2 | 22.2 |
| **315337** 2007 $TH_{419}$ | | | 5 25.1 127°.19 | | 3°.5/26.2 17 | |
| 4 21 | 16 39.49 | −28 27.2 | 1.571 | 2.416 | 16.0 | 20.8 |
| 5 1 | 16 33.33 | −28 59.0 | 1.502 | 2.422 | 12.3 | 20.5 |
| 5 11 | 16 24.29 | −29 20.4 | 1.455 | 2.428 | 8.2 | 20.3 |
| 5 21 | 16 13.29 | −29 28.6 | 1.432 | 2.434 | 4.3 | 20.1 |
| 5 31 | 16 1.69 | −29 23.0 | 1.435 | 2.439 | 4.2 | 20.1 |
| 6 10 | 15 51.00 | −29 6.2 | 1.464 | 2.444 | 8.0 | 20.3 |
| 6 20 | 15 42.42 | −28 43.2 | 1.517 | 2.449 | 12.0 | 20.6 |
| 6 30 | 15 36.78 | −28 19.4 | 1.591 | 2.454 | 15.6 | 20.8 |
| **13382** 1998 $XC_4$ | | | 5 25.1 194°.48 | | 0°.3/25.3 18 | |
| 4 21 | 16 33.32 | −22 54.1 | 2.193 | 3.040 | 12.0 | 17.8 |
| 5 1 | 16 27.94 | −22 43.0 | 2.113 | 3.039 | 9.0 | 17.6 |
| 5 11 | 16 20.66 | −22 26.0 | 2.057 | 3.038 | 5.5 | 17.4 |
| 5 21 | 16 12.16 | −22 3.9 | 2.027 | 3.037 | 1.7 | 17.2 |
| 5 31 | 16 3.29 | −21 38.1 | 2.026 | 3.035 | 2.2 | 17.2 |
| 6 10 | 15 54.98 | −21 11.5 | 2.052 | 3.033 | 6.0 | 17.4 |
| 6 20 | 15 48.01 | −20 46.8 | 2.105 | 3.031 | 9.5 | 17.7 |
| 6 30 | 15 42.97 | −20 26.9 | 2.180 | 3.028 | 12.5 | 17.8 |
| **498834** 2008 $WZ_{22}$ | | | 5 25.1 181°.09 | | 0°.3/25.3 18 | |
| 4 21 | 16 34.48 | −22 31.8 | 2.458 | 3.298 | 11.1 | 22.7 |
| 5 1 | 16 28.60 | −22 25.7 | 2.376 | 3.299 | 8.3 | 22.5 |
| 5 11 | 16 20.98 | −22 14.8 | 2.319 | 3.299 | 5.1 | 22.3 |
| 5 21 | 16 12.25 | −21 59.3 | 2.290 | 3.299 | 1.6 | 22.1 |
| 5 31 | 16 3.18 | −21 40.6 | 2.290 | 3.299 | 2.1 | 22.1 |
| 6 10 | 15 54.63 | −21 20.6 | 2.318 | 3.298 | 5.6 | 22.4 |
| 6 20 | 15 47.30 | −21 1.9 | 2.374 | 3.296 | 8.8 | 22.6 |
| 6 30 | 15 41.74 | −20 47.0 | 2.454 | 3.294 | 11.6 | 22.7 |

**89430** 2001 $WK_{40}$ 5 25.1 246°.12 3°.2/23.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.41 | −13 45.5 | 2.101 | 2.953 | 12.3 | 19.8 |
| 5 1 | 16 28.86 | −13 9.6 | 2.008 | 2.936 | 9.3 | 19.6 |
| 5 11 | 16 21.32 | −12 33.1 | 1.938 | 2.918 | 6.0 | 19.3 |
| 5 21 | 16 12.40 | −11 58.5 | 1.896 | 2.899 | 3.3 | 19.1 |
| 5 31 | 16 2.94 | −11 29.0 | 1.882 | 2.880 | 4.4 | 19.2 |
| 6 10 | 15 53.93 | −11 7.5 | 1.895 | 2.860 | 7.8 | 19.3 |
| 6 20 | 15 46.19 | −10 56.2 | 1.933 | 2.839 | 11.3 | 19.5 |
| 6 30 | 15 40.41 | −10 56.4 | 1.994 | 2.818 | 14.4 | 19.7 |

**469562** 2003 $UH_{295}$ 5 25.1 224°.80 2°.8/26.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.45 | −28 56.2 | 2.073 | 2.909 | 13.1 | 22.1 |
| 5 1 | 16 29.81 | −29 12.9 | 1.990 | 2.904 | 10.1 | 21.9 |
| 5 11 | 16 21.95 | −29 20.4 | 1.929 | 2.900 | 6.7 | 21.6 |
| 5 21 | 16 12.59 | −29 17.3 | 1.894 | 2.896 | 3.6 | 21.4 |
| 5 31 | 16 2.71 | −29 3.5 | 1.887 | 2.891 | 3.4 | 21.4 |
| 6 10 | 15 53.42 | −28 41.4 | 1.907 | 2.886 | 6.5 | 21.6 |
| 6 20 | 15 45.64 | −28 14.5 | 1.952 | 2.881 | 10.0 | 21.8 |
| 6 30 | 15 40.10 | −27 47.1 | 2.021 | 2.876 | 13.1 | 22.0 |

**472558** 2015 $DM_{49}$ 5 25.1 319°.57 0°.9/25.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.75 | −22 17.0 | 1.534 | 2.400 | 15.3 | 20.6 |
| 5 1 | 16 29.20 | −22 35.7 | 1.451 | 2.386 | 11.6 | 20.3 |
| 5 11 | 16 21.91 | −22 49.9 | 1.388 | 2.373 | 7.2 | 20.0 |
| 5 21 | 16 12.64 | −22 58.8 | 1.350 | 2.360 | 2.4 | 19.7 |
| 5 31 | 16 2.58 | −23 2.4 | 1.337 | 2.347 | 3.0 | 19.7 |
| 6 10 | 15 53.11 | −23 2.8 | 1.350 | 2.335 | 7.9 | 20.0 |
| 6 20 | 15 45.45 | −23 2.7 | 1.386 | 2.324 | 12.5 | 20.2 |
| 6 30 | 15 40.51 | −23 5.7 | 1.442 | 2.313 | 16.5 | 20.4 |

**87460** 2000 $QR_{126}$ 5 25.1 234°.53 0°.1/25.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.64 | −22 30.8 | 2.036 | 2.885 | 12.7 | 20.2 |
| 5 1 | 16 29.12 | −22 9.4 | 1.948 | 2.875 | 9.5 | 20.0 |
| 5 11 | 16 21.50 | −21 41.3 | 1.883 | 2.865 | 5.8 | 19.7 |
| 5 21 | 16 12.45 | −21 7.3 | 1.844 | 2.854 | 1.7 | 19.4 |
| 5 31 | 16 2.92 | −20 29.7 | 1.833 | 2.842 | 2.5 | 19.5 |
| 6 10 | 15 53.94 | −19 51.8 | 1.850 | 2.830 | 6.6 | 19.7 |
| 6 20 | 15 46.40 | −19 17.3 | 1.893 | 2.818 | 10.4 | 19.9 |
| 6 30 | 15 40.96 | −18 49.6 | 1.959 | 2.806 | 13.8 | 20.1 |

**33750** Davehiggins 5 25.1 80°.57 11°.9/30.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 58.21 | −52 54.6 | 2.132 | 2.833 | 16.8 | 17.5 |
| 5 1 | 16 48.20 | −55 0.3 | 2.088 | 2.865 | 15.1 | 17.4 |
| 5 11 | 16 33.85 | −56 41.7 | 2.064 | 2.897 | 13.4 | 17.4 |
| 5 21 | 16 16.27 | −57 50.1 | 2.063 | 2.928 | 12.3 | 17.3 |
| 5 31 | 15 57.48 | −58 20.2 | 2.086 | 2.959 | 11.9 | 17.4 |
| 6 10 | 15 39.91 | −58 13.8 | 2.131 | 2.989 | 12.3 | 17.5 |
| 6 20 | 15 25.51 | −57 38.4 | 2.199 | 3.019 | 13.4 | 17.6 |
| 6 30 | 15 15.43 | −56 44.3 | 2.287 | 3.048 | 14.7 | 17.7 |

**32731** Annaivanovna 5 25.1 272°.93 0°.1/25.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.86 | −23 42.1 | 1.419 | 2.284 | 16.3 | 18.6 |
| 5 1 | 16 30.93 | −23 9.6 | 1.333 | 2.268 | 12.4 | 18.3 |
| 5 11 | 16 23.03 | −22 25.5 | 1.267 | 2.252 | 7.6 | 18.0 |
| 5 21 | 16 12.99 | −21 31.1 | 1.225 | 2.235 | 2.3 | 17.6 |
| 5 31 | 16 2.13 | −20 29.8 | 1.208 | 2.218 | 3.3 | 17.7 |
| 6 10 | 15 52.00 | −19 27.8 | 1.217 | 2.201 | 8.8 | 17.9 |
| 6 20 | 15 43.90 | −18 31.8 | 1.248 | 2.184 | 13.8 | 18.2 |
| 6 30 | 15 38.76 | −17 47.5 | 1.300 | 2.166 | 18.2 | 18.4 |

**472412** 2015 $BR_{250}$ 5 25.1 7°.73 2°.6/26.1 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.57 | −27 9.8 | 1.382 | 2.248 | 16.6 | 20.8 |
| 5 1 | 16 28.41 | −27 20.4 | 1.316 | 2.249 | 12.7 | 20.5 |
| 5 11 | 16 21.40 | −27 19.8 | 1.270 | 2.250 | 8.2 | 20.3 |
| 5 21 | 16 12.46 | −27 6.8 | 1.247 | 2.253 | 3.8 | 20.0 |
| 5 31 | 16 2.96 | −26 42.7 | 1.248 | 2.256 | 3.7 | 20.0 |
| 6 10 | 15 54.37 | −26 11.4 | 1.274 | 2.261 | 8.1 | 20.3 |
| 6 20 | 15 47.88 | −25 38.3 | 1.322 | 2.266 | 12.5 | 20.5 |
| 6 30 | 15 44.28 | −25 8.6 | 1.391 | 2.271 | 16.4 | 20.8 |

**92640** 2000 $QL_{22}$ 5 25.1 217°.84 0°.5/24.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.04 | −20 26.3 | 1.856 | 2.706 | 13.8 | 19.8 |
| 5 1 | 16 31.85 | −20 17.4 | 1.769 | 2.697 | 10.3 | 19.6 |
| 5 11 | 16 23.26 | −20 3.8 | 1.706 | 2.688 | 6.3 | 19.3 |
| 5 21 | 16 13.01 | −19 46.2 | 1.668 | 2.678 | 1.9 | 19.0 |
| 5 31 | 16 2.16 | −19 26.2 | 1.659 | 2.667 | 2.8 | 19.0 |
| 6 10 | 15 51.89 | −19 6.6 | 1.676 | 2.656 | 7.3 | 19.3 |
| 6 20 | 15 43.24 | −18 50.5 | 1.720 | 2.643 | 11.4 | 19.5 |
| 6 30 | 15 36.97 | −18 41.0 | 1.785 | 2.630 | 15.0 | 19.7 |

**222754** 2002 $CA_{29}$ 5 25.1 182°.30 1°.0/25.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.49 | −24 19.5 | 2.416 | 3.250 | 11.5 | 21.8 |
| 5 1 | 16 30.16 | −24 22.4 | 2.333 | 3.251 | 8.6 | 21.6 |
| 5 11 | 16 21.98 | −24 19.4 | 2.274 | 3.252 | 5.4 | 21.4 |
| 5 21 | 16 12.58 | −24 10.3 | 2.243 | 3.251 | 1.9 | 21.1 |
| 5 31 | 16 2.81 | −23 55.8 | 2.242 | 3.250 | 2.2 | 21.2 |
| 6 10 | 15 53.56 | −23 37.9 | 2.269 | 3.249 | 5.6 | 21.4 |
| 6 20 | 15 45.61 | −23 19.4 | 2.324 | 3.246 | 8.9 | 21.6 |
| 6 30 | 15 39.54 | −23 3.1 | 2.402 | 3.243 | 11.8 | 21.8 |

**229578** 2006 $BD_{38}$ 5 25.1 199°.72 0°.9/24.8 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.11 | −19 9.0 | 1.860 | 2.718 | 13.4 | 20.6 |
| 5 1 | 16 28.79 | −19 0.7 | 1.785 | 2.717 | 10.0 | 20.4 |
| 5 11 | 16 21.31 | −18 49.3 | 1.733 | 2.717 | 6.0 | 20.1 |
| 5 21 | 16 12.40 | −18 35.8 | 1.707 | 2.716 | 1.9 | 19.9 |
| 5 31 | 16 3.05 | −18 22.0 | 1.707 | 2.716 | 2.9 | 19.9 |
| 6 10 | 15 54.34 | −18 10.4 | 1.735 | 2.715 | 7.0 | 20.2 |
| 6 20 | 15 47.17 | −18 3.3 | 1.788 | 2.714 | 10.9 | 20.4 |
| 6 30 | 15 42.19 | −18 2.8 | 1.863 | 2.714 | 14.2 | 20.6 |

**37448** 4218 $P$–$L$ 5 25.1 351°.50 4°.4/26.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 28.12 | −29 58.8 | 1.169 | 2.046 | 18.3 | 17.6 |
| 5 1 | 16 25.70 | −30 16.4 | 1.098 | 2.035 | 14.3 | 17.4 |
| 5 11 | 16 20.07 | −30 18.4 | 1.046 | 2.026 | 9.7 | 17.1 |
| 5 21 | 16 12.14 | −30 2.5 | 1.015 | 2.018 | 5.4 | 16.8 |
| 5 31 | 16 3.40 | −29 29.3 | 1.006 | 2.012 | 5.0 | 16.8 |
| 6 10 | 15 55.58 | −28 43.5 | 1.019 | 2.008 | 9.2 | 17.0 |
| 6 20 | 15 50.09 | −27 52.5 | 1.053 | 2.006 | 14.0 | 17.2 |
| 6 30 | 15 47.87 | −27 3.8 | 1.106 | 2.006 | 18.3 | 17.5 |

**505472** 2013 $TQ_{130}$ 5 25.1 220°.59 4°.0/27.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.71 | −34 3.9 | 2.124 | 2.941 | 13.5 | 22.1 |
| 5 1 | 16 31.52 | −34 0.1 | 2.033 | 2.932 | 10.7 | 21.9 |
| 5 11 | 16 22.99 | −33 41.9 | 1.964 | 2.923 | 7.6 | 21.6 |
| 5 21 | 16 12.92 | −33 7.6 | 1.921 | 2.914 | 4.7 | 21.4 |
| 5 31 | 16 2.35 | −32 17.8 | 1.905 | 2.904 | 4.3 | 21.4 |
| 6 10 | 15 52.45 | −31 16.3 | 1.917 | 2.893 | 6.8 | 21.5 |
| 6 20 | 15 44.20 | −30 8.4 | 1.956 | 2.882 | 10.1 | 21.7 |
| 6 30 | 15 38.30 | −29 0.5 | 2.018 | 2.870 | 13.2 | 21.9 |

**365812** 2011 $SX_{37}$ 5 25.1 190°.25 4°.3/21.9 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.86 | − 7 23.3 | 2.934 | 3.776 | 9.5 | 21.8 |
| 5 1 | 16 24.85 | − 6 27.3 | 2.859 | 3.774 | 7.3 | 21.7 |
| 5 11 | 16 18.60 | − 5 34.1 | 2.809 | 3.772 | 5.3 | 21.6 |
| 5 21 | 16 11.55 | − 4 46.9 | 2.787 | 3.770 | 4.3 | 21.5 |
| 5 31 | 16 4.30 | − 4 8.4 | 2.794 | 3.767 | 5.0 | 21.5 |
| 6 10 | 15 57.42 | − 3 40.8 | 2.829 | 3.764 | 7.0 | 21.7 |
| 6 20 | 15 51.45 | − 3 25.0 | 2.890 | 3.760 | 9.1 | 21.8 |
| 6 30 | 15 46.78 | − 3 21.2 | 2.973 | 3.756 | 11.1 | 21.9 |

**410759** 2009 $DC_{77}$ 5 25.1 185°.46 4°.4/26.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.23 | −31 45.3 | 1.672 | 2.505 | 15.8 | 21.5 |
| 5 1 | 16 33.90 | −32 9.2 | 1.594 | 2.505 | 12.4 | 21.2 |
| 5 11 | 16 24.67 | −32 19.6 | 1.539 | 2.505 | 8.6 | 21.0 |
| 5 21 | 16 13.46 | −32 13.6 | 1.507 | 2.504 | 5.2 | 20.8 |
| 5 31 | 16 1.60 | −31 50.7 | 1.502 | 2.503 | 4.9 | 20.8 |
| 6 10 | 15 50.59 | −31 14.1 | 1.524 | 2.501 | 8.0 | 21.0 |
| 6 20 | 15 41.66 | −30 29.7 | 1.569 | 2.499 | 11.9 | 21.2 |
| 6 30 | 15 35.65 | −29 44.0 | 1.637 | 2.496 | 15.4 | 21.4 |

**92797** 2000 $QF_{156}$ 5 25.2 154°.03 6°.2/21.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.81 | − 6 52.2 | 1.926 | 2.780 | 13.2 | 19.6 |
| 5 1 | 16 27.55 | − 5 39.7 | 1.863 | 2.784 | 10.3 | 19.4 |
| 5 11 | 16 20.42 | − 4 32.0 | 1.823 | 2.788 | 7.6 | 19.3 |
| 5 21 | 16 12.12 | − 3 34.2 | 1.809 | 2.791 | 6.2 | 19.2 |
| 5 31 | 16 3.53 | − 2 50.9 | 1.821 | 2.795 | 7.2 | 19.3 |
| 6 10 | 15 55.59 | − 2 25.1 | 1.860 | 2.797 | 9.8 | 19.4 |
| 6 20 | 15 49.06 | − 2 17.8 | 1.921 | 2.800 | 12.6 | 19.6 |
| 6 30 | 15 44.49 | − 2 28.0 | 2.004 | 2.802 | 15.3 | 19.8 |

**67959** 2000 $WB_{171}$ 5 25.2 157°.72 4°.6/27.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.64 | −36 8.9 | 2.255 | 3.061 | 13.1 | 19.3 |
| 5 1 | 16 31.26 | −36 14.0 | 2.177 | 3.067 | 10.5 | 19.1 |
| 5 11 | 16 22.73 | −36 4.6 | 2.122 | 3.072 | 7.7 | 18.9 |
| 5 21 | 16 12.81 | −35 39.1 | 2.092 | 3.077 | 5.2 | 18.8 |
| 5 31 | 16 2.56 | −34 57.8 | 2.090 | 3.082 | 4.8 | 18.8 |
| 6 10 | 15 53.07 | −34 4.0 | 2.115 | 3.086 | 6.7 | 18.9 |
| 6 20 | 15 45.21 | −33 2.9 | 2.167 | 3.089 | 9.5 | 19.1 |
| 6 30 | 15 39.60 | −32 0.1 | 2.243 | 3.092 | 12.2 | 19.2 |

**209823** 2005 $GL_{114}$ 5 25.2 271°.79 1°.5/24.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.28 | −18 6.6 | 2.019 | 2.876 | 12.5 | 20.9 |
| 5 1 | 16 27.30 | −17 45.5 | 1.939 | 2.872 | 9.3 | 20.6 |
| 5 11 | 16 20.37 | −17 21.5 | 1.884 | 2.867 | 5.7 | 20.4 |
| 5 21 | 16 12.14 | −16 56.5 | 1.854 | 2.863 | 2.0 | 20.2 |
| 5 31 | 16 3.51 | −16 32.6 | 1.852 | 2.858 | 3.1 | 20.2 |
| 6 10 | 15 55.44 | −16 12.6 | 1.877 | 2.854 | 6.8 | 20.5 |
| 6 20 | 15 48.73 | −15 58.9 | 1.927 | 2.849 | 10.5 | 20.7 |
| 6 30 | 15 44.01 | −15 53.4 | 1.999 | 2.845 | 13.6 | 20.9 |

**177145** 2003 $QZ_{75}$ 5 25.2 205°.77 1°.5/24.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.72 | −18 51.9 | 1.992 | 2.842 | 13.0 | 20.7 |
| 5 1 | 16 30.63 | −18 19.2 | 1.908 | 2.836 | 9.7 | 20.5 |
| 5 11 | 16 22.41 | −17 42.0 | 1.848 | 2.830 | 5.9 | 20.3 |
| 5 21 | 16 12.77 | −17 2.1 | 1.814 | 2.823 | 2.1 | 20.0 |
| 5 31 | 16 2.67 | −16 22.5 | 1.809 | 2.815 | 3.2 | 20.1 |
| 6 10 | 15 53.18 | −15 46.7 | 1.832 | 2.806 | 7.2 | 20.3 |
| 6 20 | 15 45.17 | −15 17.9 | 1.880 | 2.797 | 11.0 | 20.5 |
| 6 30 | 15 39.32 | −14 58.7 | 1.951 | 2.787 | 14.3 | 20.7 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **337076** 1998 $QS_{58}$ | | | 5 25.2 247°.98 | | 2°.3/26.2 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.15 | −27 59.8 | 2.206 | 3.041 | 12.4 | 21.3 |
| 5 1 | 16 29.54 | −28 8.7 | 2.112 | 3.028 | 9.5 | 21.1 |
| 5 11 | 16 21.81 | −28 9.1 | 2.041 | 3.014 | 6.3 | 20.8 |
| 5 21 | 16 12.61 | −28 0.0 | 1.997 | 3.001 | 3.1 | 20.6 |
| 5 31 | 16 2.86 | −27 41.6 | 1.980 | 2.986 | 3.0 | 20.6 |
| 6 10 | 15 53.58 | −27 16.1 | 1.992 | 2.972 | 6.2 | 20.7 |
| 6 20 | 15 45.67 | −26 46.9 | 2.029 | 2.957 | 9.7 | 20.9 |
| 6 30 | 15 39.86 | −26 18.2 | 2.090 | 2.942 | 12.8 | 21.1 |
| **79289** 1995 $TY_{6}$ | | | 5 25.2 273°.67 | | 2°.5/25.9 18 | |
| 4 21 | 16 37.73 | −26 56.4 | 1.704 | 2.550 | 14.9 | 20.3 |
| 5 1 | 16 32.21 | −27 12.4 | 1.603 | 2.526 | 11.5 | 20.0 |
| 5 11 | 16 23.84 | −27 19.5 | 1.525 | 2.502 | 7.6 | 19.8 |
| 5 21 | 16 13.32 | −27 15.8 | 1.471 | 2.476 | 3.5 | 19.4 |
| 5 31 | 16 1.80 | −27 0.7 | 1.444 | 2.451 | 3.6 | 19.4 |
| 6 10 | 15 50.73 | −26 36.6 | 1.443 | 2.425 | 7.9 | 19.6 |
| 6 20 | 15 41.40 | −26 7.8 | 1.466 | 2.398 | 12.4 | 19.8 |
| 6 30 | 15 34.81 | −25 39.8 | 1.511 | 2.372 | 16.4 | 20.0 |
| **361727** 2007 $WY_{49}$ | | | 5 25.2 307°.48 | | 2°.7/24.3 17 | |
| 4 21 | 16 32.91 | −17 9.9 | 1.244 | 2.126 | 17.1 | 20.5 |
| 5 1 | 16 29.18 | −16 44.2 | 1.153 | 2.097 | 13.0 | 20.2 |
| 5 11 | 16 22.28 | −16 14.6 | 1.082 | 2.069 | 8.1 | 19.8 |
| 5 21 | 16 12.90 | −15 43.8 | 1.033 | 2.042 | 3.3 | 19.4 |
| 5 31 | 16 2.36 | −15 15.6 | 1.008 | 2.014 | 4.9 | 19.5 |
| 6 10 | 15 52.31 | −14 55.1 | 1.005 | 1.987 | 10.4 | 19.7 |
| 6 20 | 15 44.25 | −14 46.4 | 1.024 | 1.961 | 15.9 | 19.9 |
| 6 30 | 15 39.34 | −14 52.5 | 1.060 | 1.935 | 20.8 | 20.1 |
| **61859** 2000 $QS_{205}$ | | | 5 25.2 225°.84 | | 0°.1/25.2 18 | |
| 4 21 | 16 32.21 | −22 0.2 | 2.652 | 3.494 | 10.3 | 20.3 |
| 5 1 | 16 26.90 | −21 50.8 | 2.561 | 3.485 | 7.7 | 20.1 |
| 5 11 | 16 20.00 | −21 37.0 | 2.495 | 3.476 | 4.7 | 19.9 |
| 5 21 | 16 12.04 | −21 19.3 | 2.457 | 3.466 | 1.4 | 19.6 |
| 5 31 | 16 3.72 | −20 59.1 | 2.448 | 3.457 | 2.0 | 19.7 |
| 6 10 | 15 55.80 | −20 38.3 | 2.467 | 3.446 | 5.3 | 19.9 |
| 6 20 | 15 48.95 | −20 19.1 | 2.514 | 3.436 | 8.3 | 20.1 |
| 6 30 | 15 43.70 | −20 3.8 | 2.584 | 3.425 | 11.0 | 20.2 |
| **106735** 2000 $WM_{185}$ | | | 5 25.2 127°.39 | | 0°.1/25.2 17 | |
| 4 21 | 16 38.11 | −22 1.0 | 1.711 | 2.564 | 14.6 | 20.2 |
| 5 1 | 16 31.83 | −21 49.3 | 1.647 | 2.576 | 10.9 | 20.0 |
| 5 11 | 16 23.17 | −21 31.5 | 1.605 | 2.588 | 6.6 | 19.8 |
| 5 21 | 16 13.00 | −21 8.2 | 1.589 | 2.599 | 2.0 | 19.5 |
| 5 31 | 16 2.50 | −20 41.5 | 1.601 | 2.610 | 2.7 | 19.6 |
| 6 10 | 15 52.88 | −20 14.9 | 1.639 | 2.620 | 7.2 | 19.9 |
| 6 20 | 15 45.09 | −19 52.0 | 1.702 | 2.630 | 11.3 | 20.2 |
| 6 30 | 15 39.79 | −19 35.8 | 1.787 | 2.639 | 14.7 | 20.4 |
| **499595** 2010 $TM_{92}$ | | | 5 25.2 234°.80 | | 1°.1/25.7 17 | |
| 4 21 | 16 37.96 | −25 26.7 | 2.011 | 2.851 | 13.3 | 22.7 |
| 5 1 | 16 31.78 | −25 15.1 | 1.914 | 2.835 | 10.1 | 22.4 |
| 5 11 | 16 23.26 | −24 54.5 | 1.841 | 2.819 | 6.3 | 22.2 |
| 5 21 | 16 13.09 | −24 24.9 | 1.794 | 2.802 | 2.3 | 21.9 |
| 5 31 | 16 2.29 | −23 47.5 | 1.775 | 2.784 | 2.6 | 21.8 |
| 6 10 | 15 52.02 | −23 5.7 | 1.784 | 2.765 | 6.8 | 22.1 |
| 6 20 | 15 43.27 | −22 23.8 | 1.819 | 2.745 | 10.8 | 22.3 |
| 6 30 | 15 36.83 | −21 46.4 | 1.877 | 2.724 | 14.3 | 22.5 |
| **318385** 2004 $XA_{10}$ | | | 5 25.2 77°.39 | | 11°.9/ 2.9 18 | |
| 4 21 | 16 51.30 | −53 12.5 | 1.535 | 2.275 | 21.0 | 19.3 |
| 5 1 | 16 42.65 | −53 26.5 | 1.484 | 2.301 | 18.3 | 19.2 |
| 5 11 | 16 29.92 | −53 5.8 | 1.448 | 2.326 | 15.6 | 19.1 |
| 5 21 | 16 14.93 | −52 4.3 | 1.433 | 2.352 | 13.3 | 19.0 |
| 5 31 | 16 0.11 | −50 21.9 | 1.439 | 2.377 | 12.0 | 19.0 |
| 6 10 | 15 47.63 | −48 7.1 | 1.470 | 2.401 | 12.3 | 19.1 |
| 6 20 | 15 38.79 | −45 33.7 | 1.524 | 2.426 | 14.0 | 19.2 |
| 6 30 | 15 34.06 | −42 56.2 | 1.601 | 2.450 | 16.2 | 19.4 |
| **32471** 2000 $SK_{205}$ | | | 5 25.2 296°.85 | | 0°.6/24.6 18 | |
| 4 21 | 16 24.28 | −18 23.9 | 4.372 | 5.216 | 6.6 | 19.5 |
| 5 1 | 16 20.52 | −18 11.4 | 4.287 | 5.212 | 4.8 | 19.4 |
| 5 11 | 16 15.92 | −17 57.6 | 4.227 | 5.209 | 2.9 | 19.2 |
| 5 21 | 16 10.81 | −17 43.2 | 4.197 | 5.205 | 1.0 | 19.1 |
| 5 31 | 16 5.54 | −17 29.3 | 4.195 | 5.202 | 1.5 | 19.1 |
| 6 10 | 16 0.50 | −17 16.8 | 4.224 | 5.199 | 3.5 | 19.2 |
| 6 20 | 15 56.02 | −17 6.7 | 4.280 | 5.195 | 5.4 | 19.4 |
| 6 30 | 15 52.40 | −16 59.9 | 4.361 | 5.192 | 7.1 | 19.5 |
| **288024** 2003 $UK_{228}$ | | | 5 25.2 238°.04 | | 2°.5/24.2 17 | |
| 4 21 | 16 36.56 | −15 44.8 | 1.843 | 2.698 | 13.6 | 21.7 |
| 5 1 | 16 30.77 | −15 19.8 | 1.754 | 2.684 | 10.2 | 21.4 |
| 5 11 | 16 22.66 | −14 53.3 | 1.688 | 2.670 | 6.4 | 21.2 |
| 5 21 | 16 12.92 | −14 27.3 | 1.648 | 2.655 | 2.9 | 20.9 |
| 5 31 | 16 2.55 | −14 4.7 | 1.635 | 2.639 | 4.0 | 20.9 |
| 6 10 | 15 52.71 | −13 48.3 | 1.650 | 2.622 | 8.1 | 21.1 |
| 6 20 | 15 44.38 | −13 40.7 | 1.689 | 2.605 | 12.1 | 21.3 |
| 6 30 | 15 38.33 | −13 43.5 | 1.750 | 2.587 | 15.6 | 21.5 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **16807** Terasako | | | 5 25.2 125°.91 | | 2°.8/24.2 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 37.46 | −15 33.7 | 1.545 | 2.407 | 15.4 | 18.9 |
| 5 1 | 16 31.49 | −15 8.7 | 1.483 | 2.417 | 11.5 | 18.7 |
| 5 11 | 16 23.03 | −14 43.0 | 1.443 | 2.426 | 7.1 | 18.4 |
| 5 21 | 16 12.98 | −14 19.2 | 1.428 | 2.434 | 3.2 | 18.2 |
| 5 31 | 16 2.56 | −14 0.3 | 1.439 | 2.443 | 4.4 | 18.3 |
| 6 10 | 15 53.02 | −13 49.2 | 1.476 | 2.451 | 8.6 | 18.6 |
| 6 20 | 15 45.38 | −13 47.9 | 1.537 | 2.458 | 12.7 | 18.8 |
| 6 30 | 15 40.33 | −13 57.5 | 1.619 | 2.465 | 16.2 | 19.1 |
| **32464** 2000 $SB_{132}$ | | | 5 25.2 103°.03 | | 0°.9/24.1 18 | |
| 4 21 | 16 24.53 | −18 14.0 | 4.414 | 5.257 | 6.5 | 18.8 |
| 5 1 | 16 20.65 | −17 35.3 | 4.333 | 5.258 | 4.8 | 18.7 |
| 5 11 | 16 15.97 | −16 54.8 | 4.278 | 5.260 | 2.9 | 18.6 |
| 5 21 | 16 10.82 | −16 13.7 | 4.253 | 5.261 | 1.2 | 18.4 |
| 5 31 | 16 5.55 | −15 33.5 | 4.258 | 5.262 | 1.7 | 18.5 |
| 6 10 | 16 0.54 | −14 55.9 | 4.293 | 5.263 | 3.6 | 18.6 |
| 6 20 | 15 56.10 | −14 22.1 | 4.356 | 5.265 | 5.5 | 18.7 |
| 6 30 | 15 52.53 | −13 53.3 | 4.445 | 5.266 | 7.1 | 18.9 |
| **178836** 2001 $HD_{18}$ | | | 5 25.2 329°.55 | | 0°.9/24.9 17 | |
| 4 21 | 16 31.06 | −20 40.5 | 1.250 | 2.132 | 16.9 | 19.9 |
| 5 1 | 16 27.60 | −20 20.1 | 1.172 | 2.117 | 12.8 | 19.6 |
| 5 11 | 16 21.15 | −19 52.5 | 1.114 | 2.103 | 7.8 | 19.3 |
| 5 21 | 16 12.54 | −19 19.7 | 1.079 | 2.089 | 2.4 | 18.9 |
| 5 31 | 16 3.10 | −18 44.9 | 1.067 | 2.076 | 3.7 | 19.0 |
| 6 10 | 15 54.41 | −18 13.3 | 1.078 | 2.064 | 9.3 | 19.3 |
| 6 20 | 15 47.79 | −17 49.5 | 1.111 | 2.054 | 14.4 | 19.5 |
| 6 30 | 15 44.19 | −17 37.3 | 1.162 | 2.044 | 18.9 | 19.7 |
| **274410** 2008 $RG_{141}$ | | | 5 25.2 307°.87 | | 3°.6/23.8 17 | |
| 4 21 | 16 32.23 | −13 57.0 | 1.560 | 2.431 | 14.8 | 20.3 |
| 5 1 | 16 27.94 | −13 29.1 | 1.472 | 2.410 | 11.2 | 20.0 |
| 5 11 | 16 21.13 | −13 1.4 | 1.406 | 2.390 | 7.2 | 19.8 |
| 5 21 | 16 12.51 | −12 36.9 | 1.364 | 2.369 | 3.8 | 19.5 |
| 5 31 | 16 3.13 | −12 19.1 | 1.347 | 2.349 | 5.1 | 19.5 |
| 6 10 | 15 54.26 | −12 11.4 | 1.356 | 2.329 | 9.3 | 19.7 |
| 6 20 | 15 47.01 | −12 16.0 | 1.387 | 2.310 | 13.6 | 19.9 |
| 6 30 | 15 42.25 | −12 33.8 | 1.437 | 2.291 | 17.5 | 20.1 |
| **323335** 2003 $UD_{191}$ | | | 5 25.2 159°.06 | | 0°.1/25.1 18 | |
| 4 21 | 16 38.18 | −21 10.9 | 1.895 | 2.742 | 13.6 | 21.4 |
| 5 1 | 16 31.77 | −21 8.5 | 1.822 | 2.749 | 10.1 | 21.2 |
| 5 11 | 16 23.13 | −21 1.3 | 1.773 | 2.755 | 6.2 | 20.9 |
| 5 21 | 16 13.02 | −20 49.8 | 1.751 | 2.760 | 1.8 | 20.6 |
| 5 31 | 16 2.51 | −20 35.3 | 1.756 | 2.765 | 2.6 | 20.7 |
| 6 10 | 15 52.72 | −20 20.3 | 1.789 | 2.769 | 6.8 | 21.0 |
| 6 20 | 15 44.57 | −20 7.7 | 1.848 | 2.773 | 10.7 | 21.2 |
| 6 30 | 15 38.74 | −20 0.1 | 1.929 | 2.775 | 14.0 | 21.4 |
| **58006** 2002 $TD_{221}$ | | | 5 25.2 137°.30 | | 4°.3/27.4 18 | |
| 4 21 | 16 39.02 | −34 17.7 | 1.874 | 2.695 | 14.8 | 20.0 |
| 5 1 | 16 32.58 | −34 11.7 | 1.802 | 2.704 | 11.7 | 19.9 |
| 5 11 | 16 23.65 | −33 49.5 | 1.753 | 2.713 | 8.2 | 19.7 |
| 5 21 | 16 13.18 | −33 9.9 | 1.728 | 2.721 | 5.1 | 19.5 |
| 5 31 | 16 2.38 | −32 14.2 | 1.730 | 2.729 | 4.5 | 19.5 |
| 6 10 | 15 52.52 | −31 7.1 | 1.760 | 2.737 | 7.2 | 19.6 |
| 6 20 | 15 44.60 | −29 55.1 | 1.815 | 2.744 | 10.6 | 19.9 |
| 6 30 | 15 39.27 | −28 45.0 | 1.893 | 2.751 | 13.7 | 20.1 |
| **169800** 2002 $QJ_{4}$ | | | 5 25.2 251°.87 | | 1°.6/24.4 17 | |
| 4 21 | 16 32.59 | −18 4.3 | 2.109 | 2.964 | 12.1 | 20.8 |
| 5 1 | 16 27.52 | −17 36.7 | 2.023 | 2.954 | 9.0 | 20.6 |
| 5 11 | 16 20.54 | −17 6.0 | 1.961 | 2.944 | 5.5 | 20.4 |
| 5 21 | 16 12.27 | −16 33.8 | 1.926 | 2.935 | 2.1 | 20.1 |
| 5 31 | 16 3.57 | −16 2.7 | 1.919 | 2.924 | 3.1 | 20.2 |
| 6 10 | 15 55.38 | −15 35.7 | 1.939 | 2.914 | 6.8 | 20.4 |
| 6 20 | 15 48.48 | −15 15.5 | 1.984 | 2.904 | 10.3 | 20.6 |
| 6 30 | 15 43.51 | −15 3.9 | 2.052 | 2.893 | 13.5 | 20.7 |
| **143425** 2003 $BG_{57}$ | | | 5 25.2 178°.32 | | 4°.9/22.8 18 | |
| 4 21 | 16 31.50 | − 6 39.2 | 2.312 | 3.159 | 11.5 | 20.4 |
| 5 1 | 16 26.41 | − 6 5.0 | 2.241 | 3.160 | 8.9 | 20.3 |
| 5 11 | 16 19.71 | − 5 36.1 | 2.194 | 3.160 | 6.4 | 20.1 |
| 5 21 | 16 12.00 | − 5 15.6 | 2.174 | 3.160 | 5.0 | 20.0 |
| 5 31 | 16 4.00 | − 5 5.9 | 2.181 | 3.160 | 5.7 | 20.0 |
| 6 10 | 15 56.48 | − 5 8.6 | 2.215 | 3.160 | 8.0 | 20.2 |
| 6 20 | 15 50.11 | − 5 23.9 | 2.274 | 3.160 | 10.6 | 20.4 |
| 6 30 | 15 45.40 | − 5 51.1 | 2.355 | 3.160 | 13.1 | 20.5 |
| **387866** 2004 $RH_{106}$ | | | 5 25.2 329°.46 | | 6°.7/21.0 16 | |
| 4 21 | 16 27.05 | − 9 27.9 | 1.601 | 2.477 | 14.2 | 20.1 |
| 5 1 | 16 23.99 | − 7 55.9 | 1.509 | 2.446 | 11.1 | 19.8 |
| 5 11 | 16 18.69 | − 6 22.7 | 1.441 | 2.415 | 8.2 | 19.6 |
| 5 21 | 16 11.79 | − 4 54.9 | 1.396 | 2.385 | 6.7 | 19.4 |
| 5 31 | 16 4.22 | − 3 40.3 | 1.376 | 2.356 | 8.2 | 19.4 |
| 6 10 | 15 57.09 | − 2 45.3 | 1.380 | 2.328 | 11.6 | 19.5 |
| 6 20 | 15 51.40 | − 2 13.6 | 1.405 | 2.302 | 15.3 | 19.7 |
| 6 30 | 15 47.93 | − 2 6.2 | 1.448 | 2.276 | 18.7 | 19.8 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **420060** 2011 $DZ_{48}$ | | | 5 25.2 | 83°.22 | 1°.4/25.5 | 18 |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 40.51 | −22 42.2 | 1.737 | 2.584 | 14.7 | 21.0 |
| 5 1 | 16 33.61 | −23 22.2 | 1.681 | 2.606 | 11.0 | 20.8 |
| 5 11 | 16 24.27 | −23 57.4 | 1.648 | 2.627 | 6.8 | 20.6 |
| 5 21 | 16 13.38 | −24 26.0 | 1.641 | 2.649 | 2.5 | 20.4 |
| 5 31 | 16 2.14 | −24 47.2 | 1.662 | 2.670 | 2.8 | 20.4 |
| 6 10 | 15 51.81 | −25 2.3 | 1.710 | 2.691 | 7.0 | 20.7 |
| 6 20 | 15 43.37 | −25 13.5 | 1.784 | 2.712 | 10.8 | 21.0 |
| 6 30 | 15 37.50 | −25 24.0 | 1.880 | 2.733 | 14.0 | 21.3 |
| **352583** 2008 $DA_{72}$ | | | 5 25.2 | 118°.04 | 4°.5/27.5 | 18 |
| 4 21 | 16 34.46 | −35 12.5 | 2.308 | 3.121 | 12.6 | 20.8 |
| 5 1 | 16 29.00 | −35 31.4 | 2.227 | 3.122 | 10.1 | 20.7 |
| 5 11 | 16 21.46 | −35 37.7 | 2.169 | 3.122 | 7.4 | 20.5 |
| 5 21 | 16 12.56 | −35 29.5 | 2.137 | 3.122 | 5.1 | 20.3 |
| 5 31 | 16 3.24 | −35 6.8 | 2.131 | 3.122 | 4.7 | 20.3 |
| 6 10 | 15 54.52 | −34 31.9 | 2.152 | 3.122 | 6.6 | 20.4 |
| 6 20 | 15 47.28 | −33 48.8 | 2.199 | 3.123 | 9.3 | 20.6 |
| 6 30 | 15 42.15 | −33 2.5 | 2.270 | 3.123 | 11.9 | 20.8 |
| **16952** Peteschultz | | | 5 25.2 | 138°.14 | 1°.7/24.3 | 18 |
| 4 21 | 16 31.62 | −16 25.9 | 2.432 | 3.283 | 10.9 | 18.5 |
| 5 1 | 16 26.46 | −16 5.5 | 2.360 | 3.288 | 8.0 | 18.3 |
| 5 11 | 16 19.73 | −15 44.1 | 2.312 | 3.293 | 4.9 | 18.1 |
| 5 21 | 16 12.01 | −15 23.2 | 2.291 | 3.298 | 2.1 | 17.9 |
| 5 31 | 16 4.03 | −15 4.7 | 2.299 | 3.303 | 2.9 | 18.0 |
| 6 10 | 15 56.55 | −14 50.5 | 2.334 | 3.307 | 6.0 | 18.2 |
| 6 20 | 15 50.21 | −14 42.2 | 2.397 | 3.311 | 9.0 | 18.4 |
| 6 30 | 15 45.52 | −14 41.2 | 2.482 | 3.315 | 11.6 | 18.6 |
| **85463** 1997 $JR_{1}$ | | | 5 25.2 | 323°.63 | 1°.1/24.7 | 18 |
| 4 21 | 16 30.54 | −19 0.4 | 2.053 | 2.912 | 12.2 | 19.3 |
| 5 1 | 16 26.07 | −18 42.3 | 1.969 | 2.903 | 9.1 | 19.1 |
| 5 11 | 16 19.69 | −18 20.9 | 1.910 | 2.894 | 5.5 | 18.9 |
| 5 21 | 16 12.04 | −17 57.6 | 1.876 | 2.886 | 1.8 | 18.6 |
| 5 31 | 16 3.96 | −17 34.7 | 1.870 | 2.878 | 2.8 | 18.6 |
| 6 10 | 15 56.38 | −17 14.6 | 1.891 | 2.870 | 6.6 | 18.9 |
| 6 20 | 15 50.10 | −17 0.0 | 1.936 | 2.862 | 10.2 | 19.1 |
| 6 30 | 15 45.75 | −16 52.8 | 2.004 | 2.855 | 13.4 | 19.3 |
| **502666** 2015 $CX_{52}$ | | | 5 25.2 | 28°.03 | 4°.9/23.0 | 18 |
| 4 21 | 16 32.26 | − 9 46.1 | 1.796 | 2.657 | 13.6 | 20.7 |
| 5 1 | 16 27.38 | − 9 2.6 | 1.729 | 2.658 | 10.4 | 20.5 |
| 5 11 | 16 20.48 | − 8 22.9 | 1.685 | 2.660 | 7.1 | 20.3 |
| 5 21 | 16 12.26 | − 7 50.7 | 1.666 | 2.661 | 5.0 | 20.2 |
| 5 31 | 16 3.69 | − 7 29.6 | 1.673 | 2.662 | 6.0 | 20.2 |
| 6 10 | 15 55.76 | − 7 22.2 | 1.706 | 2.664 | 9.0 | 20.4 |
| 6 20 | 15 49.31 | − 7 29.2 | 1.763 | 2.666 | 12.3 | 20.6 |
| 6 30 | 15 44.96 | − 7 50.3 | 1.840 | 2.667 | 15.3 | 20.8 |
| **93379** 2000 $SU_{275}$ | | | 5 25.2 | 149°.03 | 6°.1/21.1 | 18 |
| 4 21 | 16 32.86 | − 8 39.9 | 1.947 | 2.802 | 13.0 | 19.3 |
| 5 1 | 16 27.60 | − 6 57.7 | 1.882 | 2.806 | 10.1 | 19.2 |
| 5 11 | 16 20.49 | − 5 17.6 | 1.843 | 2.809 | 7.4 | 19.0 |
| 5 21 | 16 12.24 | − 3 45.6 | 1.830 | 2.813 | 6.1 | 18.9 |
| 5 31 | 16 3.74 | − 2 27.9 | 1.845 | 2.816 | 7.3 | 19.0 |
| 6 10 | 15 55.90 | − 1 29.0 | 1.885 | 2.819 | 9.9 | 19.2 |
| 6 20 | 15 49.46 | − 0 50.8 | 1.950 | 2.822 | 12.8 | 19.4 |
| 6 30 | 15 44.97 | − 0 33.3 | 2.035 | 2.824 | 15.4 | 19.5 |
| **443349** 2014 $GA_{31}$ | | | 5 25.2 | 320°.64 | 0°.2/25.1 | 16 |
| 4 21 | 16 31.35 | −20 55.4 | 2.104 | 2.959 | 12.2 | 21.5 |
| 5 1 | 16 26.66 | −20 48.9 | 2.021 | 2.952 | 9.1 | 21.3 |
| 5 11 | 16 20.04 | −20 38.5 | 1.961 | 2.945 | 5.5 | 21.1 |
| 5 21 | 16 12.15 | −20 24.6 | 1.928 | 2.938 | 1.6 | 20.8 |
| 5 31 | 16 3.82 | −20 9.0 | 1.922 | 2.931 | 2.4 | 20.8 |
| 6 10 | 15 55.99 | −19 53.7 | 1.944 | 2.925 | 6.2 | 21.1 |
| 6 20 | 15 49.47 | −19 41.2 | 1.991 | 2.919 | 9.8 | 21.3 |
| 6 30 | 15 44.88 | −19 33.9 | 2.060 | 2.913 | 13.0 | 21.5 |
| **412476** 2014 $HC_{133}$ | | | 5 25.2 | 330°.70 | 6°.6/20.8 | 16 |
| 4 21 | 16 28.50 | − 7 0.6 | 1.900 | 2.763 | 12.9 | 20.2 |
| 5 1 | 16 24.56 | − 5 29.6 | 1.826 | 2.752 | 10.2 | 20.0 |
| 5 11 | 16 18.77 | − 4 1.5 | 1.776 | 2.741 | 7.7 | 19.8 |
| 5 21 | 16 11.76 | − 2 42.5 | 1.751 | 2.731 | 6.6 | 19.7 |
| 5 31 | 16 4.38 | − 1 38.4 | 1.752 | 2.722 | 7.8 | 19.7 |
| 6 10 | 15 57.52 | − 0 53.5 | 1.779 | 2.713 | 10.4 | 19.9 |
| 6 20 | 15 51.96 | − 0 29.5 | 1.827 | 2.704 | 13.3 | 20.0 |
| 6 30 | 15 48.28 | − 0 26.3 | 1.896 | 2.696 | 15.9 | 20.2 |
| **471990** 2013 $VQ_{10}$ | | | 5 25.2 | 217°.31 | 5°.3/21.7 | 18 |
| 4 21 | 16 33.26 | − 8 15.8 | 2.228 | 3.076 | 11.8 | 21.7 |
| 5 1 | 16 27.81 | − 6 59.6 | 2.148 | 3.067 | 9.2 | 21.5 |
| 5 11 | 16 20.63 | − 5 45.4 | 2.092 | 3.058 | 6.7 | 21.3 |
| 5 21 | 16 12.31 | − 4 37.7 | 2.064 | 3.049 | 5.4 | 21.2 |
| 5 31 | 16 3.63 | − 3 41.1 | 2.064 | 3.039 | 6.4 | 21.3 |
| 6 10 | 15 55.45 | − 2 59.2 | 2.091 | 3.028 | 8.9 | 21.4 |
| 6 20 | 15 48.47 | − 2 33.8 | 2.143 | 3.017 | 11.7 | 21.6 |
| 6 30 | 15 43.26 | − 2 25.3 | 2.216 | 3.005 | 14.3 | 21.7 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **130720** 2000 $SQ_{212}$ | | | 5 25.2 | 189°.87 | 3°.3/24.1 | 17 |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 37.33 | −13 28.7 | 1.678 | 2.536 | 14.6 | 20.3 |
| 5 1 | 16 31.38 | −13 11.5 | 1.605 | 2.536 | 11.0 | 20.0 |
| 5 11 | 16 23.03 | −12 55.8 | 1.554 | 2.535 | 7.0 | 19.8 |
| 5 21 | 16 13.07 | −12 43.9 | 1.529 | 2.534 | 3.6 | 19.6 |
| 5 31 | 16 2.59 | −12 38.3 | 1.530 | 2.532 | 4.6 | 19.6 |
| 6 10 | 15 52.82 | −12 41.1 | 1.558 | 2.529 | 8.6 | 19.9 |
| 6 20 | 15 44.75 | −12 53.5 | 1.610 | 2.527 | 12.5 | 20.1 |
| 6 30 | 15 39.11 | −13 16.1 | 1.684 | 2.523 | 16.0 | 20.3 |
| **190621** 2000 $WJ_{46}$ | | | 5 25.2 | 148°.95 | 1°.2/24.5 | 18 |
| 4 21 | 16 34.45 | −19 40.4 | 2.264 | 3.111 | 11.7 | 20.7 |
| 5 1 | 16 28.61 | −19 1.4 | 2.193 | 3.120 | 8.6 | 20.5 |
| 5 11 | 16 21.04 | −18 18.1 | 2.147 | 3.129 | 5.2 | 20.3 |
| 5 21 | 16 12.41 | −17 32.3 | 2.128 | 3.137 | 1.8 | 20.0 |
| 5 31 | 16 3.55 | −16 47.0 | 2.138 | 3.144 | 2.7 | 20.1 |
| 6 10 | 15 55.31 | −16 5.5 | 2.176 | 3.151 | 6.2 | 20.4 |
| 6 20 | 15 48.40 | −15 30.6 | 2.241 | 3.157 | 9.5 | 20.6 |
| 6 30 | 15 43.34 | −15 4.5 | 2.329 | 3.163 | 12.3 | 20.8 |
| **380643** 2004 $XS_{124}$ | | | 5 25.2 | 210°.32 | 4°.3/27.5 | 18 |
| 4 21 | 16 37.58 | −35 6.4 | 2.364 | 3.171 | 12.6 | 21.5 |
| 5 1 | 16 31.31 | −35 15.8 | 2.273 | 3.164 | 10.0 | 21.3 |
| 5 11 | 16 22.88 | −35 12.0 | 2.205 | 3.157 | 7.3 | 21.1 |
| 5 21 | 16 13.01 | −34 53.4 | 2.163 | 3.150 | 4.9 | 21.0 |
| 5 31 | 16 2.68 | −34 19.8 | 2.148 | 3.142 | 4.5 | 20.9 |
| 6 10 | 15 52.93 | −33 33.9 | 2.162 | 3.133 | 6.5 | 21.1 |
| 6 20 | 15 44.68 | −32 40.1 | 2.203 | 3.124 | 9.4 | 21.2 |
| 6 30 | 15 38.60 | −31 43.8 | 2.267 | 3.114 | 12.1 | 21.4 |
| **480658** 2015 $OC_{24}$ | | | 5 25.2 | 306°.71 | 9°.0/20.5 | 18 |
| 4 21 | 16 30.43 | + 3 54.1 | 2.106 | 2.934 | 13.1 | 20.8 |
| 5 1 | 16 25.90 | + 4 46.3 | 2.026 | 2.915 | 11.2 | 20.7 |
| 5 11 | 16 19.57 | + 5 25.8 | 1.969 | 2.896 | 9.6 | 20.5 |
| 5 21 | 16 12.03 | + 5 47.7 | 1.935 | 2.877 | 9.0 | 20.4 |
| 5 31 | 16 4.03 | + 5 48.1 | 1.926 | 2.858 | 9.8 | 20.4 |
| 6 10 | 15 56.44 | + 5 25.5 | 1.941 | 2.839 | 11.6 | 20.5 |
| 6 20 | 15 50.03 | + 4 40.9 | 1.978 | 2.821 | 13.8 | 20.6 |
| 6 30 | 15 45.39 | + 3 37.0 | 2.035 | 2.803 | 16.0 | 20.7 |
| **380862** 2006 $BZ_{154}$ | | | 5 25.2 | 141°.05 | 1°.3/24.6 | 17 |
| 4 21 | 16 35.02 | −17 58.8 | 2.114 | 2.964 | 12.3 | 21.7 |
| 5 1 | 16 29.18 | −17 44.6 | 2.044 | 2.973 | 9.1 | 21.5 |
| 5 11 | 16 21.47 | −17 28.2 | 1.998 | 2.981 | 5.5 | 21.3 |
| 5 21 | 16 12.56 | −17 10.8 | 1.980 | 2.989 | 1.9 | 21.1 |
| 5 31 | 16 3.36 | −16 54.4 | 1.989 | 2.996 | 2.9 | 21.2 |
| 6 10 | 15 54.78 | −16 41.2 | 2.027 | 3.003 | 6.5 | 21.4 |
| 6 20 | 15 47.60 | −16 33.2 | 2.090 | 3.009 | 9.9 | 21.6 |
| 6 30 | 15 42.38 | −16 32.0 | 2.177 | 3.016 | 12.9 | 21.8 |
| **128558** 2004 $PT_{85}$ | | | 5 25.2 | 271°.08 | 6°.4/26.9 | 18 |
| 4 21 | 16 39.99 | −35 10.7 | 1.884 | 2.700 | 14.9 | 19.7 |
| 5 1 | 16 33.96 | −36 18.0 | 1.794 | 2.688 | 12.2 | 19.4 |
| 5 11 | 16 24.98 | −37 14.1 | 1.725 | 2.675 | 9.2 | 19.2 |
| 5 21 | 16 13.79 | −37 53.6 | 1.682 | 2.662 | 6.9 | 19.1 |
| 5 31 | 16 1.59 | −38 13.1 | 1.664 | 2.648 | 6.6 | 19.0 |
| 6 10 | 15 49.88 | −38 12.9 | 1.673 | 2.635 | 8.8 | 19.1 |
| 6 20 | 15 39.99 | −37 56.7 | 1.706 | 2.622 | 11.9 | 19.3 |
| 6 30 | 15 32.94 | −37 30.8 | 1.760 | 2.609 | 15.0 | 19.4 |
| **286380** 2001 $XS_{250}$ | | | 5 25.2 | 198°.33 | 0°.3/25.4 | 18 |
| 4 21 | 16 32.28 | −23 22.9 | 2.954 | 3.789 | 9.6 | 21.9 |
| 5 1 | 16 26.81 | −23 7.1 | 2.865 | 3.785 | 7.2 | 21.7 |
| 5 11 | 16 19.92 | −22 46.2 | 2.802 | 3.781 | 4.4 | 21.5 |
| 5 21 | 16 12.12 | −22 20.8 | 2.767 | 3.776 | 1.4 | 21.3 |
| 5 31 | 16 4.04 | −21 52.3 | 2.762 | 3.771 | 1.8 | 21.3 |
| 6 10 | 15 56.37 | −21 22.7 | 2.786 | 3.765 | 4.8 | 21.5 |
| 6 20 | 15 49.68 | −20 54.3 | 2.838 | 3.758 | 7.5 | 21.7 |
| 6 30 | 15 44.44 | −20 29.5 | 2.915 | 3.752 | 10.0 | 21.8 |
| **289639** 2005 $GT_{91}$ | | | 5 25.2 | 348°.54 | 1°.8/25.8 | 17 |
| 4 21 | 16 32.53 | −25 47.2 | 1.224 | 2.100 | 17.7 | 20.3 |
| 5 1 | 16 28.79 | −25 43.0 | 1.154 | 2.094 | 13.5 | 20.0 |
| 5 11 | 16 21.91 | −25 26.9 | 1.104 | 2.089 | 8.5 | 19.7 |
| 5 21 | 16 12.85 | −24 58.7 | 1.076 | 2.084 | 3.3 | 19.4 |
| 5 31 | 16 3.06 | −24 20.5 | 1.071 | 2.081 | 3.5 | 19.4 |
| 6 10 | 15 54.21 | −23 37.7 | 1.090 | 2.078 | 8.8 | 19.7 |
| 6 20 | 15 47.63 | −22 56.4 | 1.130 | 2.077 | 13.8 | 19.9 |
| 6 30 | 15 44.21 | −22 22.5 | 1.189 | 2.076 | 18.2 | 20.2 |
| **311363** 2005 $SA_{74}$ | | | 5 25.2 | 296°.98 | 1°.4/24.9 | 17 |
| 4 21 | 16 37.00 | −15 23.6 | 2.124 | 2.971 | 12.4 | 20.9 |
| 5 1 | 16 31.16 | −15 49.8 | 2.011 | 2.937 | 9.4 | 20.7 |
| 5 11 | 16 23.06 | −16 19.0 | 1.921 | 2.902 | 5.8 | 20.4 |
| 5 21 | 16 13.20 | −16 51.1 | 1.859 | 2.868 | 2.1 | 20.1 |
| 5 31 | 16 2.45 | −17 26.0 | 1.826 | 2.833 | 3.0 | 20.1 |
| 6 10 | 15 51.84 | −18 3.6 | 1.821 | 2.798 | 7.0 | 20.3 |
| 6 20 | 15 42.40 | −18 44.2 | 1.843 | 2.763 | 11.0 | 20.4 |
| 6 30 | 15 34.97 | −19 28.3 | 1.888 | 2.728 | 14.5 | 20.6 |

**1671** Chaika 5 25.2 172°.63 1°.6/24.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.03 | −17 14.6 | 2.393 | 3.238 | 11.2 | 17.2 |
| 5 1 | 16 29.02 | −16 47.6 | 2.316 | 3.242 | 8.3 | 17.1 |
| 5 11 | 16 21.32 | −16 18.5 | 2.264 | 3.245 | 5.1 | 16.9 |
| 5 21 | 16 12.56 | −15 48.9 | 2.240 | 3.248 | 2.0 | 16.7 |
| 5 31 | 16 3.50 | −15 20.9 | 2.245 | 3.250 | 2.9 | 16.7 |
| 6 10 | 15 54.98 | −14 57.0 | 2.279 | 3.251 | 6.2 | 16.9 |
| 6 20 | 15 47.69 | −14 39.3 | 2.340 | 3.251 | 9.3 | 17.1 |
| 6 30 | 15 42.17 | −14 29.4 | 2.424 | 3.251 | 12.1 | 17.3 |

**382468** 2000 $SW_{302}$ 5 25.2 275°.29 1°.0/25.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.10 | −24 47.7 | 1.873 | 2.723 | 13.7 | 21.2 |
| 5 1 | 16 29.91 | −24 36.1 | 1.774 | 2.701 | 10.4 | 21.0 |
| 5 11 | 16 22.30 | −24 15.9 | 1.698 | 2.678 | 6.5 | 20.7 |
| 5 21 | 16 12.95 | −23 46.9 | 1.647 | 2.655 | 2.3 | 20.4 |
| 5 31 | 16 2.88 | −23 10.6 | 1.623 | 2.632 | 2.7 | 20.3 |
| 6 10 | 15 53.28 | −22 30.6 | 1.626 | 2.609 | 7.1 | 20.6 |
| 6 20 | 15 45.21 | −21 51.1 | 1.654 | 2.585 | 11.3 | 20.8 |
| 6 30 | 15 39.50 | −21 16.8 | 1.704 | 2.561 | 15.1 | 20.9 |

**11672** Cuney 5 25.2 2°.60 4°.1/26.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.51 | −30 43.8 | 1.005 | 1.888 | 20.1 | 16.9 |
| 5 1 | 16 27.05 | −30 36.7 | 0.945 | 1.885 | 15.6 | 16.6 |
| 5 11 | 16 21.04 | −30 8.7 | 0.903 | 1.884 | 10.5 | 16.3 |
| 5 21 | 16 12.60 | −29 18.7 | 0.880 | 1.885 | 5.5 | 16.0 |
| 5 31 | 16 3.47 | −28 10.1 | 0.879 | 1.887 | 4.8 | 16.0 |
| 6 10 | 15 55.57 | −26 51.4 | 0.900 | 1.891 | 9.6 | 16.3 |
| 6 20 | 15 50.33 | −25 32.8 | 0.940 | 1.897 | 14.8 | 16.6 |
| 6 30 | 15 48.61 | −24 23.2 | 0.998 | 1.903 | 19.3 | 16.9 |

**92908** 2000 $RO_7$ 5 25.2 256°.75 0°.4/25.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.50 | −22 31.8 | 2.006 | 2.854 | 12.9 | 19.6 |
| 5 1 | 16 30.00 | −22 30.6 | 1.911 | 2.837 | 9.8 | 19.4 |
| 5 11 | 16 22.25 | −22 23.8 | 1.839 | 2.821 | 6.0 | 19.1 |
| 5 21 | 16 12.92 | −22 11.6 | 1.794 | 2.804 | 1.9 | 18.8 |
| 5 31 | 16 2.95 | −21 55.0 | 1.777 | 2.786 | 2.5 | 18.8 |
| 6 10 | 15 53.45 | −21 36.3 | 1.787 | 2.768 | 6.7 | 19.1 |
| 6 20 | 15 45.37 | −21 18.7 | 1.822 | 2.750 | 10.6 | 19.3 |
| 6 30 | 15 39.47 | −21 5.2 | 1.880 | 2.731 | 14.1 | 19.5 |

**370460** 2003 $AA_{57}$ 5 25.2 114°.99 0°.5/25.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.48 | −22 43.3 | 1.873 | 2.721 | 13.7 | 21.3 |
| 5 1 | 16 31.24 | −22 41.5 | 1.810 | 2.736 | 10.2 | 21.1 |
| 5 11 | 16 22.81 | −22 33.9 | 1.770 | 2.751 | 6.2 | 20.9 |
| 5 21 | 16 13.02 | −22 20.6 | 1.756 | 2.765 | 2.0 | 20.7 |
| 5 31 | 16 2.93 | −22 3.0 | 1.769 | 2.779 | 2.5 | 20.7 |
| 6 10 | 15 53.63 | −21 43.9 | 1.810 | 2.792 | 6.6 | 21.0 |
| 6 20 | 15 46.02 | −21 26.5 | 1.877 | 2.805 | 10.4 | 21.3 |
| 6 30 | 15 40.71 | −21 13.6 | 1.966 | 2.817 | 13.6 | 21.5 |

**192026** 2005 $YM_{193}$ 5 25.2 153°.46 1°.6/25.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.37 | −26 8.3 | 1.899 | 2.745 | 13.7 | 20.7 |
| 5 1 | 16 29.83 | −26 3.7 | 1.824 | 2.748 | 10.3 | 20.5 |
| 5 11 | 16 22.06 | −25 50.3 | 1.772 | 2.750 | 6.5 | 20.2 |
| 5 21 | 16 12.82 | −25 27.8 | 1.745 | 2.752 | 2.6 | 20.0 |
| 5 31 | 16 3.17 | −24 57.8 | 1.745 | 2.754 | 2.7 | 20.0 |
| 6 10 | 15 54.22 | −24 23.6 | 1.773 | 2.756 | 6.6 | 20.2 |
| 6 20 | 15 46.89 | −23 49.1 | 1.826 | 2.757 | 10.4 | 20.5 |
| 6 30 | 15 41.86 | −23 18.4 | 1.901 | 2.759 | 13.7 | 20.7 |

**383851** 2008 $OQ_6$ 5 25.2 308°.68 2°.3/26.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.65 | −27 9.8 | 1.541 | 2.400 | 15.6 | 20.7 |
| 5 1 | 16 29.30 | −27 11.9 | 1.452 | 2.381 | 12.0 | 20.4 |
| 5 11 | 16 22.14 | −27 3.0 | 1.384 | 2.363 | 7.8 | 20.1 |
| 5 21 | 16 12.94 | −26 42.0 | 1.339 | 2.346 | 3.5 | 19.8 |
| 5 31 | 16 2.92 | −26 9.7 | 1.320 | 2.328 | 3.4 | 19.8 |
| 6 10 | 15 53.52 | −25 29.8 | 1.326 | 2.312 | 8.0 | 20.0 |
| 6 20 | 15 45.98 | −24 47.7 | 1.355 | 2.295 | 12.6 | 20.2 |
| 6 30 | 15 41.23 | −24 9.4 | 1.404 | 2.279 | 16.7 | 20.4 |

**172765** 2004 $DW_{51}$ 5 25.2 35°.52 0°.7/24.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.70 | −19 37.0 | 1.892 | 2.751 | 13.1 | 20.0 |
| 5 1 | 16 27.75 | −19 31.1 | 1.823 | 2.756 | 9.7 | 19.8 |
| 5 11 | 16 20.74 | −19 22.0 | 1.777 | 2.761 | 5.9 | 19.6 |
| 5 21 | 16 12.43 | −19 10.7 | 1.757 | 2.767 | 1.8 | 19.4 |
| 5 31 | 16 3.74 | −18 58.8 | 1.765 | 2.773 | 2.7 | 19.4 |
| 6 10 | 15 55.71 | −18 48.6 | 1.798 | 2.780 | 6.7 | 19.7 |
| 6 20 | 15 49.17 | −18 42.4 | 1.857 | 2.786 | 10.4 | 19.9 |
| 6 30 | 15 44.74 | −18 42.1 | 1.938 | 2.793 | 13.6 | 20.2 |

**98089** 2000 $RO_{72}$ 5 25.2 254°.66 2°.5/26.0 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.09 | −26 50.6 | 1.711 | 2.555 | 15.0 | 20.1 |
| 5 1 | 16 33.22 | −27 7.5 | 1.615 | 2.537 | 11.6 | 19.9 |
| 5 11 | 16 24.50 | −27 15.8 | 1.542 | 2.518 | 7.5 | 19.6 |
| 5 21 | 16 13.67 | −27 13.2 | 1.494 | 2.499 | 3.5 | 19.3 |
| 5 31 | 16 1.93 | −26 59.4 | 1.472 | 2.479 | 3.5 | 19.2 |
| 6 10 | 15 50.70 | −26 36.7 | 1.477 | 2.459 | 7.8 | 19.5 |
| 6 20 | 15 41.26 | −26 9.5 | 1.506 | 2.438 | 12.2 | 19.7 |
| 6 30 | 15 34.57 | −25 43.1 | 1.557 | 2.416 | 16.1 | 19.8 |

**508434** 2016 $KZ_2$ 5 25.2 304°.98 9°.3/22.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.92 | − 0 0.2 | 1.557 | 2.407 | 15.9 | 20.2 |
| 5 1 | 16 29.15 | + 0 39.6 | 1.476 | 2.387 | 13.1 | 20.0 |
| 5 11 | 16 21.90 | + 1 5.5 | 1.416 | 2.368 | 10.6 | 19.8 |
| 5 21 | 16 12.85 | + 1 11.8 | 1.379 | 2.348 | 9.3 | 19.7 |
| 5 31 | 16 3.09 | + 0 53.8 | 1.366 | 2.329 | 10.2 | 19.7 |
| 6 10 | 15 53.84 | + 0 10.1 | 1.376 | 2.310 | 12.8 | 19.8 |
| 6 20 | 15 46.18 | − 0 57.4 | 1.408 | 2.292 | 16.0 | 19.9 |
| 6 30 | 15 40.97 | − 2 24.7 | 1.458 | 2.274 | 19.2 | 20.1 |

**255910** 2006 $SK_{342}$ 5 25.2 43°.62 1°.6/25.8 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.21 | −26 3.0 | 1.344 | 2.210 | 17.0 | 19.8 |
| 5 1 | 16 30.32 | −25 50.8 | 1.286 | 2.220 | 12.8 | 19.5 |
| 5 11 | 16 22.57 | −25 26.9 | 1.248 | 2.231 | 8.0 | 19.3 |
| 5 21 | 16 13.00 | −24 51.8 | 1.234 | 2.242 | 3.1 | 19.0 |
| 5 31 | 16 3.03 | −24 8.3 | 1.244 | 2.254 | 3.2 | 19.1 |
| 6 10 | 15 54.14 | −23 21.8 | 1.279 | 2.266 | 8.1 | 19.4 |
| 6 20 | 15 47.46 | −22 38.0 | 1.337 | 2.278 | 12.6 | 19.7 |
| 6 30 | 15 43.70 | −22 2.1 | 1.415 | 2.290 | 16.5 | 19.9 |

**333911** 1999 $TH_{59}$ 5 25.2 204°.27 0°.1/25.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.62 | −22 33.7 | 2.382 | 3.223 | 11.4 | 22.3 |
| 5 1 | 16 28.88 | −22 17.7 | 2.295 | 3.219 | 8.5 | 22.1 |
| 5 11 | 16 21.33 | −21 56.0 | 2.233 | 3.213 | 5.2 | 21.9 |
| 5 21 | 16 12.61 | −21 29.5 | 2.198 | 3.207 | 1.6 | 21.6 |
| 5 31 | 16 3.50 | −20 59.6 | 2.192 | 3.201 | 2.1 | 21.7 |
| 6 10 | 15 54.89 | −20 29.2 | 2.214 | 3.194 | 5.8 | 21.9 |
| 6 20 | 15 47.53 | −20 1.0 | 2.264 | 3.186 | 9.1 | 22.1 |
| 6 30 | 15 41.99 | −19 37.7 | 2.337 | 3.178 | 12.0 | 22.3 |

**165296** 2000 $TC_{23}$ 5 25.2 108°.19 2°.4/24.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.76 | −17 39.6 | 1.517 | 2.381 | 15.5 | 20.2 |
| 5 1 | 16 31.03 | −16 59.5 | 1.457 | 2.392 | 11.5 | 20.0 |
| 5 11 | 16 22.82 | −16 16.0 | 1.419 | 2.403 | 7.0 | 19.8 |
| 5 21 | 16 13.06 | −15 32.0 | 1.406 | 2.414 | 2.9 | 19.6 |
| 5 31 | 16 2.97 | −14 51.7 | 1.419 | 2.425 | 4.1 | 19.7 |
| 6 10 | 15 53.83 | −14 19.2 | 1.459 | 2.435 | 8.5 | 19.9 |
| 6 20 | 15 46.61 | −13 57.7 | 1.521 | 2.445 | 12.6 | 20.2 |
| 6 30 | 15 41.97 | −13 49.0 | 1.605 | 2.454 | 16.2 | 20.5 |

**73198** 2002 $JQ_{12}$ 5 25.2 342°.26 5°.5/26.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.27 | −31 11.2 | 1.272 | 2.130 | 18.3 | 18.3 |
| 5 1 | 16 31.84 | −31 56.9 | 1.200 | 2.124 | 14.5 | 18.0 |
| 5 11 | 16 23.95 | −32 28.9 | 1.148 | 2.119 | 10.2 | 17.8 |
| 5 21 | 16 13.55 | −32 42.6 | 1.117 | 2.115 | 6.4 | 17.6 |
| 5 31 | 16 2.21 | −32 36.1 | 1.110 | 2.111 | 6.0 | 17.5 |
| 6 10 | 15 51.79 | −32 12.1 | 1.126 | 2.108 | 9.6 | 17.7 |
| 6 20 | 15 43.82 | −31 37.0 | 1.164 | 2.105 | 14.0 | 17.9 |
| 6 30 | 15 39.34 | −30 58.7 | 1.220 | 2.103 | 18.1 | 18.2 |

**101703** 1999 $CA_{150}$ 5 25.2 175°.81 1°.3/25.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.76 | −25 14.5 | 2.021 | 2.863 | 13.1 | 19.8 |
| 5 1 | 16 30.77 | −25 14.0 | 1.943 | 2.865 | 9.9 | 19.6 |
| 5 11 | 16 22.61 | −25 6.0 | 1.888 | 2.866 | 6.2 | 19.3 |
| 5 21 | 16 13.02 | −24 50.1 | 1.860 | 2.867 | 2.4 | 19.1 |
| 5 31 | 16 3.01 | −24 27.5 | 1.859 | 2.868 | 2.5 | 19.1 |
| 6 10 | 15 53.64 | −24 0.8 | 1.886 | 2.868 | 6.4 | 19.4 |
| 6 20 | 15 45.83 | −23 33.7 | 1.940 | 2.868 | 10.1 | 19.6 |
| 6 30 | 15 40.22 | −23 9.8 | 2.016 | 2.867 | 13.3 | 19.8 |

**14174** Deborahsmall 5 25.2 107°.54 0°.9/25.7 18 R

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.04 | −24 35.2 | 2.199 | 3.040 | 12.2 | 19.2 |
| 5 1 | 16 29.18 | −24 27.0 | 2.134 | 3.056 | 9.1 | 19.0 |
| 5 11 | 16 21.47 | −24 11.9 | 2.093 | 3.072 | 5.6 | 18.8 |
| 5 21 | 16 12.64 | −23 50.5 | 2.079 | 3.087 | 2.0 | 18.6 |
| 5 31 | 16 3.58 | −23 24.2 | 2.093 | 3.102 | 2.2 | 18.6 |
| 6 10 | 15 55.20 | −22 55.9 | 2.135 | 3.117 | 5.8 | 18.9 |
| 6 20 | 15 48.25 | −22 28.5 | 2.204 | 3.131 | 9.1 | 19.1 |
| 6 30 | 15 43.26 | −22 5.2 | 2.296 | 3.145 | 12.0 | 19.3 |

**433360** 2013 $RW_{96}$ 5 25.2 181°.90 5°.4/28.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.52 | −37 54.7 | 2.140 | 2.940 | 13.9 | 21.8 |
| 5 1 | 16 32.97 | −38 4.5 | 2.058 | 2.941 | 11.3 | 21.6 |
| 5 11 | 16 24.00 | −37 57.9 | 1.997 | 2.941 | 8.5 | 21.4 |
| 5 21 | 16 13.46 | −37 32.7 | 1.962 | 2.941 | 6.1 | 21.3 |
| 5 31 | 16 2.48 | −36 48.7 | 1.953 | 2.940 | 5.5 | 21.2 |
| 6 10 | 15 52.28 | −35 49.3 | 1.972 | 2.939 | 7.4 | 21.4 |
| 6 20 | 15 43.87 | −34 40.3 | 2.017 | 2.937 | 10.1 | 21.5 |
| 6 30 | 15 37.94 | −33 28.5 | 2.085 | 2.935 | 12.9 | 21.7 |

**3354** McNair 5 25.2 323°.48 5°.5/27.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.90 | −32 42.0 | 1.325 | 2.177 | 18.0 | 16.2 |
| 5 1 | 16 31.48 | −33 7.5 | 1.248 | 2.168 | 14.3 | 16.0 |
| 5 11 | 16 23.70 | −33 16.3 | 1.191 | 2.160 | 10.2 | 15.7 |
| 5 21 | 16 13.48 | −33 4.7 | 1.156 | 2.152 | 6.4 | 15.5 |
| 5 31 | 16 2.38 | −32 32.0 | 1.144 | 2.145 | 5.9 | 15.4 |
| 6 10 | 15 52.19 | −31 42.2 | 1.156 | 2.138 | 9.3 | 15.6 |
| 6 20 | 15 44.39 | −30 43.0 | 1.190 | 2.132 | 13.7 | 15.8 |
| 6 30 | 15 39.98 | −29 43.1 | 1.243 | 2.126 | 17.8 | 16.0 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **349030** 2006 $VA_{32}$ | | | 5 25.2 | 85°.87 | 3°.1/23.3 | 17 |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 31.13 | −14 39.2 | 2.185 | 3.042 | 11.7 | 20.9 |
| 5 1 | 16 26.22 | −13 39.4 | 2.119 | 3.050 | 8.7 | 20.7 |
| 5 11 | 16 19.67 | −12 38.4 | 2.078 | 3.058 | 5.6 | 20.6 |
| 5 21 | 16 12.11 | −11 39.7 | 2.063 | 3.066 | 3.2 | 20.4 |
| 5 31 | 16 4.34 | −10 47.1 | 2.077 | 3.074 | 4.3 | 20.5 |
| 6 10 | 15 57.16 | −10 3.9 | 2.118 | 3.081 | 7.2 | 20.7 |
| 6 20 | 15 51.24 | − 9 32.5 | 2.184 | 3.089 | 10.2 | 20.9 |
| 6 30 | 15 47.07 | − 9 13.9 | 2.273 | 3.097 | 12.9 | 21.1 |
| **505855** 2015 $CL_{59}$ | | | 5 25.2 | 77°.75 | 0°.4/25.4 | 17 |
| 4 21 | 16 34.53 | −23 7.1 | 1.799 | 2.654 | 13.9 | 21.2 |
| 5 1 | 16 29.22 | −22 55.2 | 1.731 | 2.661 | 10.4 | 21.0 |
| 5 11 | 16 21.70 | −22 36.4 | 1.686 | 2.669 | 6.3 | 20.8 |
| 5 21 | 16 12.76 | −22 11.6 | 1.667 | 2.676 | 2.0 | 20.5 |
| 5 31 | 16 3.47 | −21 42.7 | 1.674 | 2.683 | 2.5 | 20.5 |
| 6 10 | 15 54.93 | −21 13.2 | 1.708 | 2.691 | 6.8 | 20.8 |
| 6 20 | 15 48.04 | −20 46.6 | 1.767 | 2.698 | 10.7 | 21.1 |
| 6 30 | 15 43.44 | −20 26.0 | 1.848 | 2.706 | 14.0 | 21.3 |
| **472905** 2015 $FO_{341}$ | | | 5 25.2 | 359°.09 | 0°.2/25.2 | 17 |
| 4 21 | 16 32.79 | −20 5.4 | 1.425 | 2.298 | 15.8 | 20.2 |
| 5 1 | 16 28.53 | −20 17.2 | 1.356 | 2.295 | 11.8 | 20.0 |
| 5 11 | 16 21.59 | −20 25.9 | 1.308 | 2.294 | 7.2 | 19.7 |
| 5 21 | 16 12.79 | −20 31.6 | 1.283 | 2.293 | 2.2 | 19.4 |
| 5 31 | 16 3.38 | −20 35.2 | 1.283 | 2.293 | 3.0 | 19.5 |
| 6 10 | 15 54.74 | −20 38.8 | 1.308 | 2.294 | 8.0 | 19.8 |
| 6 20 | 15 48.00 | −20 45.0 | 1.356 | 2.296 | 12.6 | 20.0 |
| 6 30 | 15 43.98 | −20 56.0 | 1.424 | 2.298 | 16.5 | 20.3 |
| **424819** 2008 $UY_{146}$ | | | 5 25.2 | 338°.75 | 1°.2/24.5 | 17 |
| 4 21 | 16 28.52 | −23 43.2 | 1.312 | 2.193 | 16.4 | 19.7 |
| 5 1 | 16 25.57 | −22 24.8 | 1.232 | 2.176 | 12.3 | 19.4 |
| 5 11 | 16 19.88 | −20 50.1 | 1.172 | 2.161 | 7.5 | 19.1 |
| 5 21 | 16 12.30 | −19 3.6 | 1.136 | 2.146 | 2.3 | 18.7 |
| 5 31 | 16 4.09 | −17 12.8 | 1.125 | 2.133 | 3.9 | 18.8 |
| 6 10 | 15 56.69 | −15 27.6 | 1.138 | 2.122 | 9.2 | 19.0 |
| 6 20 | 15 51.23 | −13 56.8 | 1.173 | 2.111 | 14.2 | 19.3 |
| 6 30 | 15 48.54 | −12 46.4 | 1.227 | 2.102 | 18.5 | 19.5 |
| **497306** 2005 $SW_{288}$ | | | 5 25.2 | 65°.71 | 9°.1/21.8 | 17 |
| 4 21 | 16 34.22 | − 0 21.6 | 1.582 | 2.432 | 15.7 | 21.0 |
| 5 1 | 16 28.80 | + 0 48.6 | 1.544 | 2.454 | 12.8 | 20.8 |
| 5 11 | 16 21.30 | + 1 44.6 | 1.527 | 2.475 | 10.3 | 20.7 |
| 5 21 | 16 12.61 | + 2 20.8 | 1.534 | 2.497 | 9.1 | 20.7 |
| 5 31 | 16 3.78 | + 2 33.2 | 1.565 | 2.519 | 10.0 | 20.8 |
| 6 10 | 15 55.86 | + 2 21.1 | 1.619 | 2.540 | 12.1 | 21.0 |
| 6 20 | 15 49.65 | + 1 46.8 | 1.695 | 2.562 | 14.6 | 21.2 |
| 6 30 | 15 45.68 | + 0 53.9 | 1.790 | 2.583 | 17.0 | 21.4 |
| **350187** 2011 $US_{325}$ | | | 5 25.2 | 61°.44 | 3°.0/26.3 | 18 |
| 4 21 | 16 35.59 | −28 31.5 | 2.211 | 3.044 | 12.5 | 20.3 |
| 5 1 | 16 29.89 | −29 9.2 | 2.134 | 3.047 | 9.6 | 20.1 |
| 5 11 | 16 22.10 | −29 39.4 | 2.081 | 3.051 | 6.4 | 19.9 |
| 5 21 | 16 12.91 | −30 0.2 | 2.054 | 3.054 | 3.6 | 19.7 |
| 5 31 | 16 3.25 | −30 10.9 | 2.055 | 3.058 | 3.5 | 19.7 |
| 6 10 | 15 54.12 | −30 12.5 | 2.084 | 3.062 | 6.2 | 19.9 |
| 6 20 | 15 46.41 | −30 7.7 | 2.139 | 3.065 | 9.4 | 20.1 |
| 6 30 | 15 40.79 | −30 0.0 | 2.217 | 3.069 | 12.2 | 20.3 |
| **139163** 2001 $FW_{113}$ | | | 5 25.2 | 4°.93 | 0°.2/25.3 | 17 |
| 4 21 | 16 32.30 | −22 11.7 | 1.181 | 2.063 | 17.7 | 19.8 |
| 5 1 | 16 28.57 | −22 2.8 | 1.118 | 2.062 | 13.3 | 19.5 |
| 5 11 | 16 21.76 | −21 46.1 | 1.075 | 2.063 | 8.1 | 19.2 |
| 5 21 | 16 12.87 | −21 22.6 | 1.054 | 2.064 | 2.5 | 18.9 |
| 5 31 | 16 3.35 | −20 55.1 | 1.056 | 2.067 | 3.3 | 18.9 |
| 6 10 | 15 54.82 | −20 28.2 | 1.082 | 2.070 | 8.9 | 19.3 |
| 6 20 | 15 48.55 | −20 6.7 | 1.128 | 2.074 | 14.0 | 19.5 |
| 6 30 | 15 45.37 | −19 54.3 | 1.194 | 2.079 | 18.2 | 19.8 |
| **430997** 2005 $XR_{65}$ | | | 5 25.2 | 254°.65 | 3°.0/26.7 | 18 |
| 4 21 | 16 36.82 | −30 54.4 | 1.978 | 2.809 | 13.8 | 21.4 |
| 5 1 | 16 31.14 | −30 43.8 | 1.881 | 2.792 | 10.8 | 21.2 |
| 5 11 | 16 23.03 | −30 19.8 | 1.806 | 2.775 | 7.3 | 20.9 |
| 5 21 | 16 13.23 | −29 41.4 | 1.756 | 2.757 | 3.9 | 20.7 |
| 5 31 | 16 2.81 | −28 49.5 | 1.734 | 2.739 | 3.5 | 20.6 |
| 6 10 | 15 52.97 | −27 48.1 | 1.739 | 2.720 | 6.9 | 20.8 |
| 6 20 | 15 44.76 | −26 42.6 | 1.770 | 2.701 | 10.7 | 21.0 |
| 6 30 | 15 38.94 | −25 39.4 | 1.825 | 2.682 | 14.2 | 21.2 |
| **485997** 2012 $LF$ | | | 5 25.2 | 110°.37 | 7°.9/20.6 | 18 |
| 4 21 | 16 41.28 | −14 11.1 | 1.141 | 2.015 | 18.8 | 20.5 |
| 5 1 | 16 34.66 | −11 6.6 | 1.092 | 2.030 | 14.3 | 20.2 |
| 5 11 | 16 25.07 | − 7 56.4 | 1.067 | 2.045 | 9.9 | 20.0 |
| 5 21 | 16 13.75 | − 4 55.4 | 1.068 | 2.059 | 7.9 | 20.0 |
| 5 31 | 16 2.32 | − 2 19.2 | 1.094 | 2.073 | 10.0 | 20.1 |
| 6 10 | 15 52.34 | − 0 18.8 | 1.145 | 2.086 | 14.1 | 20.4 |
| 6 20 | 15 44.87 | + 1 1.9 | 1.216 | 2.099 | 18.1 | 20.7 |
| 6 30 | 15 40.52 | + 1 45.1 | 1.305 | 2.111 | 21.5 | 20.9 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **254974** 2005 $SG_{247}$ | | | 5 25.2 | 169°.38 | 2°.6/23.6 | 16 |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 30.53 | −14 29.4 | 2.546 | 3.397 | 10.4 | 21.0 |
| 5 1 | 16 25.65 | −13 48.2 | 2.470 | 3.398 | 7.8 | 20.9 |
| 5 11 | 16 19.30 | −13 6.3 | 2.420 | 3.400 | 4.9 | 20.7 |
| 5 21 | 16 12.03 | −12 26.2 | 2.398 | 3.401 | 2.7 | 20.5 |
| 5 31 | 16 4.52 | −11 50.5 | 2.404 | 3.402 | 3.6 | 20.6 |
| 6 10 | 15 57.47 | −11 21.6 | 2.438 | 3.403 | 6.3 | 20.8 |
| 6 20 | 15 51.48 | −11 1.4 | 2.498 | 3.403 | 9.1 | 21.0 |
| 6 30 | 15 47.02 | −10 50.9 | 2.581 | 3.404 | 11.6 | 21.1 |
| **507052** 2008 $UM_{358}$ | | | 5 25.2 | 196°.06 | 1°.7/24.3 | 18 |
| 4 21 | 16 33.75 | −16 48.3 | 2.413 | 3.260 | 11.1 | 22.9 |
| 5 1 | 16 28.16 | −16 24.7 | 2.331 | 3.257 | 8.2 | 22.7 |
| 5 11 | 16 20.89 | −15 59.3 | 2.273 | 3.254 | 5.1 | 22.5 |
| 5 21 | 16 12.53 | −15 33.8 | 2.243 | 3.251 | 2.1 | 22.3 |
| 5 31 | 16 3.84 | −15 10.1 | 2.242 | 3.247 | 3.0 | 22.3 |
| 6 10 | 15 55.61 | −14 50.6 | 2.270 | 3.242 | 6.2 | 22.5 |
| 6 20 | 15 48.56 | −14 37.2 | 2.324 | 3.237 | 9.3 | 22.7 |
| 6 30 | 15 43.21 | −14 31.4 | 2.401 | 3.231 | 12.1 | 22.9 |
| **149394** 2003 $AD_{31}$ | | | 5 25.2 | 51°.08 | 4°.4/27.1 | 18 |
| 4 21 | 16 39.09 | −31 42.6 | 1.352 | 2.201 | 17.9 | 19.6 |
| 5 1 | 16 33.10 | −31 55.9 | 1.311 | 2.230 | 13.9 | 19.4 |
| 5 11 | 16 24.16 | −31 52.5 | 1.289 | 2.259 | 9.4 | 19.2 |
| 5 21 | 16 13.50 | −31 31.0 | 1.290 | 2.289 | 5.4 | 19.1 |
| 5 31 | 16 2.68 | −30 53.1 | 1.316 | 2.319 | 4.9 | 19.1 |
| 6 10 | 15 53.25 | −30 4.5 | 1.367 | 2.349 | 8.2 | 19.4 |
| 6 20 | 15 46.28 | −29 12.2 | 1.441 | 2.380 | 12.1 | 19.7 |
| 6 30 | 15 42.37 | −28 23.0 | 1.536 | 2.410 | 15.5 | 20.0 |
| **208541** 2002 $AZ_{40}$ | | | 5 25.2 | 113°.24 | 4°.3/23.7 | 18 |
| 4 21 | 16 37.88 | −11 58.1 | 1.563 | 2.423 | 15.3 | 20.3 |
| 5 1 | 16 31.73 | −11 22.1 | 1.507 | 2.438 | 11.6 | 20.1 |
| 5 11 | 16 23.21 | −10 48.9 | 1.474 | 2.452 | 7.5 | 19.9 |
| 5 21 | 16 13.23 | −10 22.0 | 1.465 | 2.466 | 4.5 | 19.8 |
| 5 31 | 16 2.96 | −10 4.7 | 1.483 | 2.479 | 5.6 | 19.9 |
| 6 10 | 15 53.62 | − 9 59.5 | 1.527 | 2.492 | 9.2 | 20.1 |
| 6 20 | 15 46.14 | −10 7.4 | 1.594 | 2.505 | 12.9 | 20.4 |
| 6 30 | 15 41.15 | −10 28.1 | 1.682 | 2.517 | 16.2 | 20.6 |
| **40760** 1999 $TH_{11}$ | | | 5 25.2 | 204°.24 | 2°.1/23.8 | 18 |
| 4 21 | 16 30.55 | −16 39.5 | 2.590 | 3.440 | 10.3 | 18.5 |
| 5 1 | 16 25.66 | −15 48.5 | 2.509 | 3.438 | 7.6 | 18.3 |
| 5 11 | 16 19.31 | −14 54.8 | 2.454 | 3.435 | 4.7 | 18.1 |
| 5 21 | 16 12.05 | −14 0.9 | 2.427 | 3.433 | 2.3 | 18.0 |
| 5 31 | 16 4.53 | −13 10.0 | 2.429 | 3.430 | 3.2 | 18.0 |
| 6 10 | 15 57.46 | −12 25.0 | 2.459 | 3.427 | 6.1 | 18.2 |
| 6 20 | 15 51.45 | −11 48.4 | 2.516 | 3.424 | 8.9 | 18.4 |
| 6 30 | 15 46.96 | −11 21.7 | 2.596 | 3.420 | 11.5 | 18.5 |
| **507788** 2014 $AU_{56}$ | | | 5 25.2 | 8°.27 | 7°.6/29.0 | 17 |
| 4 21 | 16 35.89 | −41 10.0 | 1.840 | 2.642 | 15.8 | 20.3 |
| 5 1 | 16 30.80 | −41 43.4 | 1.766 | 2.643 | 13.2 | 20.1 |
| 5 11 | 16 22.94 | −41 57.7 | 1.712 | 2.644 | 10.5 | 19.9 |
| 5 21 | 16 13.21 | −41 49.1 | 1.681 | 2.646 | 8.3 | 19.8 |
| 5 31 | 16 2.93 | −41 16.4 | 1.674 | 2.648 | 7.6 | 19.8 |
| 6 10 | 15 53.53 | −40 22.9 | 1.692 | 2.651 | 9.0 | 19.9 |
| 6 20 | 15 46.15 | −39 14.8 | 1.734 | 2.654 | 11.5 | 20.0 |
| 6 30 | 15 41.58 | −38 0.1 | 1.798 | 2.658 | 14.2 | 20.2 |
| **288855** 2004 $RZ_{212}$ | | | 5 25.2 | 325°.94 | 7°.8/28.6 | 17 |
| 4 21 | 16 31.81 | −38 19.5 | 1.316 | 2.158 | 18.7 | 19.6 |
| 5 1 | 16 28.82 | −38 35.5 | 1.223 | 2.131 | 15.6 | 19.3 |
| 5 11 | 16 22.33 | −38 27.8 | 1.148 | 2.104 | 12.0 | 19.0 |
| 5 21 | 16 13.17 | −37 51.0 | 1.093 | 2.078 | 8.8 | 18.8 |
| 5 31 | 16 2.87 | −36 42.9 | 1.060 | 2.054 | 7.9 | 18.6 |
| 6 10 | 15 53.34 | −35 8.2 | 1.050 | 2.030 | 10.4 | 18.7 |
| 6 20 | 15 46.23 | −33 17.0 | 1.061 | 2.008 | 14.6 | 18.9 |
| 6 30 | 15 42.68 | −31 21.7 | 1.092 | 1.987 | 18.9 | 19.0 |
| **63893** 2001 $SY_{4}$ | | | 5 25.2 | 270°.85 | 6°.9/20.4 | 18 |
| 4 21 | 16 31.84 | − 0 56.5 | 2.496 | 3.327 | 11.2 | 19.5 |
| 5 1 | 16 26.80 | + 0 10.2 | 2.400 | 3.299 | 9.3 | 19.3 |
| 5 11 | 16 20.14 | + 1 10.8 | 2.328 | 3.269 | 7.6 | 19.2 |
| 5 21 | 16 12.34 | + 2 0.7 | 2.282 | 3.240 | 6.9 | 19.1 |
| 5 31 | 16 4.08 | + 2 35.8 | 2.264 | 3.209 | 7.8 | 19.1 |
| 6 10 | 15 56.09 | + 2 53.4 | 2.271 | 3.178 | 9.8 | 19.1 |
| 6 20 | 15 49.08 | + 2 52.7 | 2.303 | 3.146 | 12.1 | 19.2 |
| 6 30 | 15 43.60 | + 2 34.2 | 2.355 | 3.114 | 14.3 | 19.3 |
| **44328** 1998 $RC_{55}$ | | | 5 25.2 | 213°.09 | 0°.1/25.2 | 18 |
| 4 21 | 16 33.44 | −22 52.4 | 2.016 | 2.867 | 12.8 | 19.5 |
| 5 1 | 16 28.28 | −22 26.6 | 1.937 | 2.866 | 9.5 | 19.3 |
| 5 11 | 16 21.11 | −21 53.8 | 1.882 | 2.864 | 5.8 | 19.0 |
| 5 21 | 16 12.63 | −21 15.3 | 1.853 | 2.862 | 1.8 | 18.7 |
| 5 31 | 16 3.77 | −20 33.5 | 1.851 | 2.861 | 2.4 | 18.8 |
| 6 10 | 15 55.53 | −19 52.1 | 1.877 | 2.859 | 6.4 | 19.0 |
| 6 20 | 15 48.74 | −19 14.7 | 1.929 | 2.857 | 10.1 | 19.3 |
| 6 30 | 15 44.00 | −18 44.5 | 2.003 | 2.855 | 13.3 | 19.5 |

**122894** 2000 $SS_{155}$ 5 25.2 215°.86 2°.4/23.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.36 | −14 56.2 | 2.326 | 3.174 | 11.4 | 21.2 |
| 5 1 | 16 28.71 | −14 27.0 | 2.239 | 3.166 | 8.5 | 21.0 |
| 5 11 | 16 21.29 | −13 57.0 | 2.177 | 3.157 | 5.4 | 20.8 |
| 5 21 | 16 12.68 | −13 28.1 | 2.142 | 3.147 | 2.7 | 20.6 |
| 5 31 | 16 3.68 | −13 2.8 | 2.136 | 3.137 | 3.6 | 20.7 |
| 6 10 | 15 55.13 | −12 43.5 | 2.158 | 3.126 | 6.8 | 20.9 |
| 6 20 | 15 47.77 | −12 32.0 | 2.206 | 3.115 | 10.0 | 21.0 |
| 6 30 | 15 42.18 | −12 29.8 | 2.278 | 3.102 | 12.8 | 21.2 |

**425757** 2011 $CF_{13}$ 5 25.2 129°.38 1°.9/24.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.19 | −16 0.3 | 2.057 | 2.905 | 12.7 | 22.2 |
| 5 1 | 16 30.82 | −15 50.0 | 1.993 | 2.920 | 9.4 | 22.0 |
| 5 11 | 16 22.52 | −15 39.3 | 1.953 | 2.934 | 5.8 | 21.9 |
| 5 21 | 16 13.03 | −15 29.4 | 1.941 | 2.948 | 2.4 | 21.7 |
| 5 31 | 16 3.28 | −15 21.9 | 1.957 | 2.961 | 3.2 | 21.7 |
| 6 10 | 15 54.21 | −15 18.8 | 2.000 | 2.974 | 6.8 | 22.0 |
| 6 20 | 15 46.62 | −15 21.4 | 2.070 | 2.986 | 10.2 | 22.2 |
| 6 30 | 15 41.08 | −15 30.9 | 2.163 | 2.997 | 13.1 | 22.4 |

**412235** 2013 $HQ_{15}$ 5 25.2 43°.36 6°.9/23.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.59 | − 7 0.5 | 1.114 | 1.992 | 18.9 | 20.1 |
| 5 1 | 16 31.43 | − 6 42.2 | 1.070 | 2.007 | 14.6 | 19.9 |
| 5 11 | 16 23.29 | − 6 35.8 | 1.046 | 2.022 | 10.2 | 19.7 |
| 5 21 | 16 13.30 | − 6 45.3 | 1.043 | 2.039 | 7.1 | 19.6 |
| 5 31 | 16 2.97 | − 7 12.9 | 1.063 | 2.055 | 8.0 | 19.7 |
| 6 10 | 15 53.84 | − 7 58.3 | 1.105 | 2.073 | 11.6 | 19.9 |
| 6 20 | 15 47.05 | − 8 58.7 | 1.169 | 2.091 | 15.7 | 20.2 |
| 6 30 | 15 43.32 | −10 10.8 | 1.251 | 2.109 | 19.3 | 20.5 |

**500742** 2012 $XE_{144}$ 5 25.2 147°.30 4°.9/22.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.83 | − 6 57.5 | 2.316 | 3.163 | 11.5 | 20.7 |
| 5 1 | 16 26.71 | − 6 21.4 | 2.248 | 3.167 | 8.9 | 20.6 |
| 5 11 | 16 20.00 | − 5 50.4 | 2.204 | 3.170 | 6.4 | 20.4 |
| 5 21 | 16 12.29 | − 5 27.5 | 2.187 | 3.174 | 4.9 | 20.3 |
| 5 31 | 16 4.32 | − 5 15.3 | 2.197 | 3.177 | 5.7 | 20.4 |
| 6 10 | 15 56.86 | − 5 15.3 | 2.235 | 3.180 | 7.9 | 20.5 |
| 6 20 | 15 50.54 | − 5 27.8 | 2.297 | 3.183 | 10.5 | 20.7 |
| 6 30 | 15 45.88 | − 5 52.3 | 2.381 | 3.186 | 12.9 | 20.9 |

**330368** 2006 $WF_{33}$ 5 25.2 300°.63 2°.2/24.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.52 | −16 59.9 | 1.425 | 2.297 | 15.9 | 20.8 |
| 5 1 | 16 30.17 | −16 45.9 | 1.330 | 2.269 | 12.1 | 20.5 |
| 5 11 | 16 22.88 | −16 30.0 | 1.256 | 2.241 | 7.5 | 20.2 |
| 5 21 | 16 13.34 | −16 13.7 | 1.205 | 2.214 | 2.9 | 19.8 |
| 5 31 | 16 2.75 | −15 59.8 | 1.179 | 2.186 | 4.2 | 19.8 |
| 6 10 | 15 52.56 | −15 51.7 | 1.178 | 2.159 | 9.4 | 20.1 |
| 6 20 | 15 44.16 | −15 52.5 | 1.199 | 2.132 | 14.5 | 20.3 |
| 6 30 | 15 38.61 | −16 4.6 | 1.239 | 2.105 | 19.0 | 20.4 |

**239673** 2008 $YV_{22}$ 5 25.2 186°.22 0°.1/25.3 17 R

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.52 | −22 10.5 | 2.181 | 3.029 | 12.0 | 21.2 |
| 5 1 | 16 28.21 | −21 56.7 | 2.102 | 3.029 | 9.0 | 21.0 |
| 5 11 | 16 21.03 | −21 37.5 | 2.047 | 3.029 | 5.5 | 20.8 |
| 5 21 | 16 12.63 | −21 13.8 | 2.019 | 3.028 | 1.7 | 20.5 |
| 5 31 | 16 3.86 | −20 47.2 | 2.018 | 3.028 | 2.2 | 20.6 |
| 6 10 | 15 55.66 | −20 20.5 | 2.046 | 3.027 | 6.0 | 20.8 |
| 6 20 | 15 48.78 | −19 56.6 | 2.099 | 3.026 | 9.5 | 21.0 |
| 6 30 | 15 43.82 | −19 38.0 | 2.176 | 3.024 | 12.5 | 21.2 |

**169624** 2002 $GF_{165}$ 5 25.2 9°.25 4°.0/23.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.37 | −15 8.0 | 1.099 | 1.990 | 18.1 | 19.4 |
| 5 1 | 16 27.86 | −14 26.4 | 1.042 | 1.991 | 13.6 | 19.2 |
| 5 11 | 16 21.33 | −13 44.1 | 1.005 | 1.993 | 8.6 | 18.9 |
| 5 21 | 16 12.78 | −13 5.8 | 0.989 | 1.996 | 4.4 | 18.7 |
| 5 31 | 16 3.69 | −12 36.7 | 0.996 | 2.000 | 5.8 | 18.8 |
| 6 10 | 15 55.62 | −12 21.4 | 1.025 | 2.005 | 10.6 | 19.0 |
| 6 20 | 15 49.79 | −12 22.1 | 1.075 | 2.012 | 15.4 | 19.3 |
| 6 30 | 15 47.01 | −12 39.0 | 1.142 | 2.019 | 19.5 | 19.6 |

**504923** 2011 $BA_{101}$ 5 25.2 77°.61 4°.2/27.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.91 | −32 15.3 | 1.687 | 2.522 | 15.6 | 21.4 |
| 5 1 | 16 32.02 | −32 27.2 | 1.626 | 2.537 | 12.2 | 21.2 |
| 5 11 | 16 23.52 | −32 24.7 | 1.586 | 2.552 | 8.4 | 21.0 |
| 5 21 | 16 13.39 | −32 5.9 | 1.570 | 2.566 | 5.0 | 20.8 |
| 5 31 | 16 2.90 | −31 31.9 | 1.580 | 2.581 | 4.5 | 20.8 |
| 6 10 | 15 53.40 | −30 46.7 | 1.616 | 2.596 | 7.5 | 21.1 |
| 6 20 | 15 45.92 | −29 56.1 | 1.677 | 2.610 | 11.0 | 21.3 |
| 6 30 | 15 41.14 | −29 6.3 | 1.760 | 2.625 | 14.3 | 21.5 |

**435722** 2008 $UJ_{53}$ 5 25.2 146°.54 0°.4/25.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.42 | −22 22.7 | 2.269 | 3.111 | 11.8 | 22.2 |
| 5 1 | 16 29.53 | −22 25.6 | 2.195 | 3.118 | 8.8 | 22.0 |
| 5 11 | 16 21.79 | −22 24.0 | 2.145 | 3.125 | 5.4 | 21.8 |
| 5 21 | 16 12.85 | −22 17.8 | 2.123 | 3.132 | 1.7 | 21.5 |
| 5 31 | 16 3.59 | −22 8.1 | 2.129 | 3.138 | 2.1 | 21.6 |
| 6 10 | 15 54.89 | −21 56.7 | 2.163 | 3.144 | 5.8 | 21.8 |
| 6 20 | 15 47.54 | −21 45.9 | 2.224 | 3.149 | 9.1 | 22.0 |
| 6 30 | 15 42.09 | −21 38.3 | 2.309 | 3.154 | 12.0 | 22.2 |

**75797** 2000 $AN_{232}$ 5 25.2 172°.63 2°.2/26.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.91 | −28 24.8 | 2.109 | 2.945 | 12.8 | 19.9 |
| 5 1 | 16 29.40 | −28 22.0 | 2.030 | 2.946 | 9.8 | 19.7 |
| 5 11 | 16 21.82 | −28 9.3 | 1.974 | 2.947 | 6.4 | 19.5 |
| 5 21 | 16 12.89 | −27 46.5 | 1.944 | 2.948 | 3.1 | 19.3 |
| 5 31 | 16 3.57 | −27 14.6 | 1.942 | 2.948 | 2.9 | 19.3 |
| 6 10 | 15 54.88 | −26 36.6 | 1.967 | 2.949 | 6.2 | 19.5 |
| 6 20 | 15 47.68 | −25 56.7 | 2.019 | 2.949 | 9.6 | 19.7 |
| 6 30 | 15 42.59 | −25 18.9 | 2.093 | 2.949 | 12.7 | 19.9 |

**506887** 2008 $AA_{116}$ 5 25.2 140°.23 3°.8/23.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.27 | − 9 19.7 | 2.472 | 3.318 | 10.9 | 22.1 |
| 5 1 | 16 26.95 | − 8 57.1 | 2.403 | 3.324 | 8.3 | 21.9 |
| 5 11 | 16 20.12 | − 8 38.1 | 2.359 | 3.331 | 5.6 | 21.7 |
| 5 21 | 16 12.35 | − 8 25.0 | 2.342 | 3.337 | 3.8 | 21.6 |
| 5 31 | 16 4.33 | − 8 19.7 | 2.354 | 3.343 | 4.5 | 21.7 |
| 6 10 | 15 56.79 | − 8 23.4 | 2.393 | 3.349 | 6.9 | 21.8 |
| 6 20 | 15 50.35 | − 8 36.5 | 2.458 | 3.354 | 9.6 | 22.0 |
| 6 30 | 15 45.50 | − 8 58.9 | 2.546 | 3.359 | 12.0 | 22.2 |

**326611** 2002 $RK_{72}$ 5 25.2 226°.85 2°.8/23.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.98 | −14 50.1 | 1.952 | 2.805 | 13.0 | 21.6 |
| 5 1 | 16 30.27 | −14 18.8 | 1.866 | 2.795 | 9.8 | 21.3 |
| 5 11 | 16 22.42 | −13 46.5 | 1.803 | 2.784 | 6.2 | 21.1 |
| 5 21 | 16 13.10 | −13 15.6 | 1.767 | 2.772 | 3.1 | 20.9 |
| 5 31 | 16 3.27 | −12 49.1 | 1.759 | 2.760 | 4.2 | 20.9 |
| 6 10 | 15 53.95 | −12 29.9 | 1.778 | 2.747 | 7.8 | 21.1 |
| 6 20 | 15 46.06 | −12 20.3 | 1.822 | 2.733 | 11.5 | 21.3 |
| 6 30 | 15 40.29 | −12 21.6 | 1.887 | 2.719 | 14.8 | 21.5 |

**255712** 2006 $QE_{105}$ 5 25.2 244°.48 2°.4/24.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.07 | −16 58.5 | 1.853 | 2.708 | 13.5 | 21.8 |
| 5 1 | 16 30.50 | −16 20.7 | 1.762 | 2.693 | 10.2 | 21.5 |
| 5 11 | 16 22.65 | −15 39.3 | 1.695 | 2.677 | 6.3 | 21.3 |
| 5 21 | 16 13.19 | −14 56.7 | 1.653 | 2.660 | 2.8 | 21.0 |
| 5 31 | 16 3.13 | −14 16.3 | 1.639 | 2.643 | 3.9 | 21.0 |
| 6 10 | 15 53.58 | −13 42.1 | 1.652 | 2.625 | 8.0 | 21.2 |
| 6 20 | 15 45.53 | −13 17.2 | 1.690 | 2.606 | 12.0 | 21.4 |
| 6 30 | 15 39.73 | −13 4.1 | 1.749 | 2.587 | 15.6 | 21.6 |

**410783** 2009 $FL_{44}$ 5 25.2 66°.32 4°.5/23.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.82 | −13 34.1 | 1.391 | 2.264 | 16.1 | 20.6 |
| 5 1 | 16 29.84 | −12 38.2 | 1.331 | 2.269 | 12.2 | 20.3 |
| 5 11 | 16 22.28 | −11 42.4 | 1.292 | 2.274 | 7.9 | 20.1 |
| 5 21 | 16 13.05 | −10 51.5 | 1.276 | 2.279 | 4.7 | 19.9 |
| 5 31 | 16 3.41 | −10 10.8 | 1.286 | 2.284 | 6.0 | 20.0 |
| 6 10 | 15 54.69 | − 9 44.4 | 1.321 | 2.290 | 10.0 | 20.2 |
| 6 20 | 15 47.90 | − 9 34.7 | 1.377 | 2.295 | 14.1 | 20.5 |
| 6 30 | 15 43.76 | − 9 41.8 | 1.453 | 2.300 | 17.7 | 20.7 |

**35961** 1999 $LH_{7}$ 5 25.3 33°.49 14°.1/23.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.56 | +14 59.3 | 1.596 | 2.385 | 18.4 | 16.8 |
| 5 1 | 16 32.21 | +15 25.6 | 1.548 | 2.391 | 16.5 | 16.7 |
| 5 11 | 16 23.52 | +15 23.4 | 1.518 | 2.398 | 14.9 | 16.6 |
| 5 21 | 16 13.40 | +14 47.0 | 1.508 | 2.406 | 14.1 | 16.6 |
| 5 31 | 16 3.01 | +13 34.5 | 1.521 | 2.414 | 14.4 | 16.6 |
| 6 10 | 15 53.53 | +11 48.5 | 1.555 | 2.423 | 15.6 | 16.7 |
| 6 20 | 15 45.91 | + 9 36.0 | 1.610 | 2.431 | 17.4 | 16.9 |
| 6 30 | 15 40.75 | + 7 4.9 | 1.685 | 2.441 | 19.3 | 17.0 |

**203948** 2003 $RF_{11}$ 5 25.3 261°.22 4°.0/26.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.69 | −32 12.6 | 2.332 | 3.147 | 12.5 | 20.6 |
| 5 1 | 16 32.48 | −32 43.6 | 2.223 | 3.122 | 9.9 | 20.4 |
| 5 11 | 16 23.92 | −33 5.1 | 2.137 | 3.096 | 7.1 | 20.1 |
| 5 21 | 16 13.63 | −33 14.4 | 2.078 | 3.070 | 4.6 | 19.9 |
| 5 31 | 16 2.53 | −33 10.1 | 2.046 | 3.043 | 4.3 | 19.9 |
| 6 10 | 15 51.74 | −32 53.3 | 2.043 | 3.015 | 6.8 | 20.0 |
| 6 20 | 15 42.29 | −32 27.1 | 2.066 | 2.986 | 10.0 | 20.1 |
| 6 30 | 15 35.02 | −31 56.3 | 2.113 | 2.957 | 13.0 | 20.2 |

**149996** 2005 $UM_{114}$ 5 25.3 214°.77 2°.1/24.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.04 | −14 15.0 | 2.592 | 3.439 | 10.4 | 20.2 |
| 5 1 | 16 26.85 | −14 6.4 | 2.510 | 3.436 | 7.8 | 20.0 |
| 5 11 | 16 20.12 | −13 58.6 | 2.452 | 3.431 | 4.9 | 19.8 |
| 5 21 | 16 12.38 | −13 52.7 | 2.422 | 3.427 | 2.4 | 19.7 |
| 5 31 | 16 4.31 | −13 50.2 | 2.420 | 3.422 | 3.1 | 19.7 |
| 6 10 | 15 56.65 | −13 52.4 | 2.447 | 3.418 | 5.9 | 19.9 |
| 6 20 | 15 50.01 | −14 0.3 | 2.501 | 3.413 | 8.8 | 20.1 |
| 6 30 | 15 44.92 | −14 14.6 | 2.578 | 3.407 | 11.4 | 20.2 |

**341533** 2007 $TX_{444}$ 5 25.3 161°.99 3°.9/27.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.93 | −33 53.9 | 2.610 | 3.416 | 11.5 | 22.0 |
| 5 1 | 16 30.67 | −34 18.4 | 2.530 | 3.422 | 9.1 | 21.8 |
| 5 11 | 16 22.51 | −34 32.3 | 2.473 | 3.426 | 6.6 | 21.6 |
| 5 21 | 16 13.12 | −34 34.0 | 2.444 | 3.431 | 4.4 | 21.5 |
| 5 31 | 16 3.33 | −34 23.0 | 2.442 | 3.435 | 4.1 | 21.5 |
| 6 10 | 15 54.09 | −34 1.3 | 2.469 | 3.438 | 6.0 | 21.6 |
| 6 20 | 15 46.18 | −33 31.9 | 2.523 | 3.441 | 8.5 | 21.8 |
| 6 30 | 15 40.19 | −32 58.9 | 2.601 | 3.444 | 10.9 | 21.9 |

**244515** 2002 $TT_{176}$ 5 25.3 210°.25 1°.4/24.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 32.80 | −18 25.7 | 2.871 | 3.712 | 9.7 | 20.8 |
| 5 1 | 16 27.26 | −17 42.2 | 2.780 | 3.704 | 7.2 | 20.6 |
| 5 11 | 16 20.30 | −16 55.0 | 2.715 | 3.695 | 4.4 | 20.4 |
| 5 21 | 16 12.42 | −16 6.1 | 2.678 | 3.686 | 1.7 | 20.2 |
| 5 31 | 16 4.27 | −15 17.9 | 2.672 | 3.676 | 2.6 | 20.2 |
| 6 10 | 15 56.52 | −14 33.1 | 2.695 | 3.666 | 5.4 | 20.4 |
| 6 20 | 15 49.75 | −13 54.3 | 2.746 | 3.654 | 8.3 | 20.6 |
| 6 30 | 15 44.43 | −13 23.5 | 2.821 | 3.642 | 10.7 | 20.7 |

**58519** 1997 $AU_{2}$ 5 25.3 129°.77 4°.3/23.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.06 | − 6 48.1 | 2.523 | 3.363 | 10.9 | 19.8 |
| 5 1 | 16 27.49 | − 6 32.5 | 2.457 | 3.373 | 8.4 | 19.7 |
| 5 11 | 16 20.43 | − 6 22.4 | 2.416 | 3.382 | 5.9 | 19.5 |
| 5 21 | 16 12.46 | − 6 19.9 | 2.402 | 3.391 | 4.3 | 19.4 |
| 5 31 | 16 4.26 | − 6 26.5 | 2.417 | 3.400 | 5.0 | 19.5 |
| 6 10 | 15 56.55 | − 6 43.0 | 2.459 | 3.408 | 7.1 | 19.6 |
| 6 20 | 15 49.93 | − 7 9.2 | 2.527 | 3.416 | 9.6 | 19.8 |
| 6 30 | 15 44.87 | − 7 44.4 | 2.619 | 3.424 | 11.9 | 20.0 |

**437315** 2013 $NQ_{22}$ 5 25.3 194°.10 2°.8/23.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.92 | −16 19.8 | 2.077 | 2.931 | 12.3 | 21.4 |
| 5 1 | 16 28.49 | −15 16.8 | 2.000 | 2.930 | 9.2 | 21.2 |
| 5 11 | 16 21.20 | −14 10.3 | 1.947 | 2.928 | 5.8 | 20.9 |
| 5 21 | 16 12.72 | −13 3.7 | 1.921 | 2.926 | 3.0 | 20.8 |
| 5 31 | 16 3.91 | −12 1.4 | 1.924 | 2.923 | 4.1 | 20.8 |
| 6 10 | 15 55.71 | −11 7.7 | 1.954 | 2.920 | 7.5 | 21.0 |
| 6 20 | 15 48.86 | −10 25.6 | 2.009 | 2.916 | 10.9 | 21.2 |
| 6 30 | 15 43.94 | − 9 57.1 | 2.087 | 2.913 | 13.8 | 21.4 |

**47333** 1999 $XU_{32}$ 5 25.3 178°.56 0°.1/25.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.11 | −22 15.6 | 1.994 | 2.840 | 13.1 | 19.8 |
| 5 1 | 16 31.03 | −21 57.8 | 1.916 | 2.842 | 9.8 | 19.6 |
| 5 11 | 16 22.83 | −21 33.7 | 1.862 | 2.843 | 6.0 | 19.4 |
| 5 21 | 16 13.23 | −21 4.2 | 1.834 | 2.844 | 1.8 | 19.1 |
| 5 31 | 16 3.22 | −20 31.5 | 1.835 | 2.844 | 2.5 | 19.2 |
| 6 10 | 15 53.88 | −19 58.6 | 1.863 | 2.844 | 6.6 | 19.4 |
| 6 20 | 15 46.08 | −19 29.1 | 1.918 | 2.842 | 10.4 | 19.6 |
| 6 30 | 15 40.45 | −19 6.1 | 1.995 | 2.840 | 13.6 | 19.9 |

**8094** 1992 $UG_{3}$ 5 25.3 206°.48 1°.3/24.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.91 | −18 21.4 | 2.241 | 3.092 | 11.7 | 18.0 |
| 5 1 | 16 27.71 | −18 1.9 | 2.161 | 3.090 | 8.7 | 17.8 |
| 5 11 | 16 20.73 | −17 39.6 | 2.105 | 3.087 | 5.3 | 17.6 |
| 5 21 | 16 12.59 | −17 16.1 | 2.076 | 3.084 | 1.9 | 17.4 |
| 5 31 | 16 4.08 | −16 53.3 | 2.075 | 3.081 | 2.7 | 17.4 |
| 6 10 | 15 56.08 | −16 33.7 | 2.102 | 3.078 | 6.3 | 17.6 |
| 6 20 | 15 49.32 | −16 19.4 | 2.155 | 3.075 | 9.6 | 17.8 |
| 6 30 | 15 44.38 | −16 12.2 | 2.231 | 3.071 | 12.5 | 18.0 |

**378273** 2007 $EB_{51}$ 5 25.3 292°.32 1°.7/26.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 26.85 | −29 45.0 | 4.223 | 5.041 | 7.3 | 21.1 |
| 5 1 | 16 22.62 | −29 52.8 | 4.132 | 5.036 | 5.6 | 20.9 |
| 5 11 | 16 17.40 | −29 55.4 | 4.067 | 5.032 | 3.8 | 20.8 |
| 5 21 | 16 11.55 | −29 52.6 | 4.030 | 5.028 | 2.1 | 20.7 |
| 5 31 | 16 5.48 | −29 44.5 | 4.022 | 5.024 | 2.0 | 20.7 |
| 6 10 | 15 59.66 | −29 32.4 | 4.043 | 5.020 | 3.5 | 20.8 |
| 6 20 | 15 54.50 | −29 17.4 | 4.092 | 5.016 | 5.4 | 20.9 |
| 6 30 | 15 50.33 | −29 1.3 | 4.167 | 5.011 | 7.1 | 21.0 |

**363457** 2003 $SB_{208}$ 5 25.3 318°.19 2°.0/24.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.37 | −19 20.0 | 1.187 | 2.073 | 17.4 | 21.1 |
| 5 1 | 16 28.18 | −18 47.4 | 1.103 | 2.050 | 13.2 | 20.7 |
| 5 11 | 16 21.83 | −18 7.5 | 1.039 | 2.027 | 8.2 | 20.4 |
| 5 21 | 16 13.09 | −17 22.8 | 0.996 | 2.005 | 2.9 | 20.0 |
| 5 31 | 16 3.32 | −16 37.9 | 0.976 | 1.984 | 4.4 | 20.0 |
| 6 10 | 15 54.19 | −15 59.0 | 0.979 | 1.964 | 10.2 | 20.3 |
| 6 20 | 15 47.15 | −15 31.5 | 1.002 | 1.945 | 15.7 | 20.5 |
| 6 30 | 15 43.28 | −15 19.3 | 1.043 | 1.926 | 20.5 | 20.7 |

**192678** 1999 $SM_{10}$ 5 25.3 260°.38 0°.5/24.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.84 | −22 29.0 | 2.177 | 3.022 | 12.2 | 20.3 |
| 5 1 | 16 29.38 | −21 47.6 | 2.074 | 3.000 | 9.1 | 20.1 |
| 5 11 | 16 21.88 | −20 58.1 | 1.995 | 2.977 | 5.6 | 19.8 |
| 5 21 | 16 12.98 | −20 1.8 | 1.944 | 2.954 | 1.7 | 19.5 |
| 5 31 | 16 3.54 | −19 1.7 | 1.921 | 2.930 | 2.5 | 19.5 |
| 6 10 | 15 54.54 | −18 2.0 | 1.927 | 2.905 | 6.6 | 19.7 |
| 6 20 | 15 46.85 | −17 7.0 | 1.959 | 2.880 | 10.4 | 19.9 |
| 6 30 | 15 41.14 | −16 20.7 | 2.014 | 2.855 | 13.7 | 20.1 |

**437048** 2012 $UC_{27}$ 5 25.3 293°.76 1°.9/24.8 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.49 | −14 25.5 | 1.847 | 2.702 | 13.6 | 21.2 |
| 5 1 | 16 30.87 | −14 48.2 | 1.761 | 2.691 | 10.2 | 20.9 |
| 5 11 | 16 22.93 | −15 14.1 | 1.699 | 2.680 | 6.4 | 20.7 |
| 5 21 | 16 13.34 | −15 43.6 | 1.662 | 2.670 | 2.6 | 20.4 |
| 5 31 | 16 3.07 | −16 16.5 | 1.653 | 2.659 | 3.4 | 20.4 |
| 6 10 | 15 53.28 | −16 53.2 | 1.671 | 2.649 | 7.5 | 20.7 |
| 6 20 | 15 44.96 | −17 33.7 | 1.715 | 2.639 | 11.4 | 20.9 |
| 6 30 | 15 38.89 | −18 18.3 | 1.781 | 2.629 | 14.9 | 21.1 |

**62377** 2000 $SJ_{154}$ 5 25.3 12°.93 5°.2/22.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 31.00 | −13 44.6 | 1.447 | 2.324 | 15.4 | 18.0 |
| 5 1 | 16 26.92 | −12 10.9 | 1.386 | 2.326 | 11.6 | 17.8 |
| 5 11 | 16 20.48 | −10 35.0 | 1.347 | 2.328 | 7.7 | 17.5 |
| 5 21 | 16 12.55 | − 9 3.7 | 1.332 | 2.332 | 5.3 | 17.4 |
| 5 31 | 16 4.26 | − 7 44.7 | 1.343 | 2.336 | 6.7 | 17.5 |
| 6 10 | 15 56.82 | − 6 44.0 | 1.378 | 2.340 | 10.4 | 17.7 |
| 6 20 | 15 51.13 | − 6 4.8 | 1.436 | 2.345 | 14.2 | 17.9 |
| 6 30 | 15 47.86 | − 5 47.7 | 1.512 | 2.351 | 17.5 | 18.2 |

**259648** 2003 $WR_{89}$ 5 25.3 190°.63 1°.4/25.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.53 | −25 33.0 | 1.902 | 2.744 | 13.8 | 22.6 |
| 5 1 | 16 32.32 | −25 33.0 | 1.822 | 2.743 | 10.5 | 22.4 |
| 5 11 | 16 23.73 | −25 24.7 | 1.764 | 2.741 | 6.6 | 22.1 |
| 5 21 | 16 13.56 | −25 7.7 | 1.732 | 2.739 | 2.6 | 21.9 |
| 5 31 | 16 2.86 | −24 42.8 | 1.728 | 2.736 | 2.7 | 21.9 |
| 6 10 | 15 52.84 | −24 13.2 | 1.751 | 2.733 | 6.8 | 22.1 |
| 6 20 | 15 44.49 | −23 42.8 | 1.800 | 2.729 | 10.7 | 22.3 |
| 6 30 | 15 38.52 | −23 15.8 | 1.872 | 2.724 | 14.1 | 22.5 |

**93361** 2000 $SY_{262}$ 5 25.3 236°.67 3°.7/26.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.42 | −28 57.1 | 1.970 | 2.801 | 13.8 | 19.5 |
| 5 1 | 16 33.22 | −29 45.6 | 1.882 | 2.794 | 10.8 | 19.3 |
| 5 11 | 16 24.45 | −30 26.6 | 1.818 | 2.786 | 7.4 | 19.1 |
| 5 21 | 16 13.83 | −30 56.9 | 1.779 | 2.778 | 4.3 | 18.9 |
| 5 31 | 16 2.44 | −31 14.6 | 1.768 | 2.769 | 4.2 | 18.8 |
| 6 10 | 15 51.55 | −31 20.4 | 1.784 | 2.760 | 7.2 | 19.0 |
| 6 20 | 15 42.27 | −31 17.2 | 1.826 | 2.751 | 10.8 | 19.2 |
| 6 30 | 15 35.47 | −31 9.3 | 1.891 | 2.742 | 14.0 | 19.4 |

**431018** 2005 $YH_{139}$ 5 25.3 175°.72 3°.7/23.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.11 | −10 13.4 | 2.194 | 3.038 | 12.1 | 21.8 |
| 5 1 | 16 30.04 | −10 0.9 | 2.119 | 3.041 | 9.2 | 21.7 |
| 5 11 | 16 22.14 | − 9 52.1 | 2.069 | 3.042 | 6.1 | 21.5 |
| 5 21 | 16 13.04 | − 9 49.1 | 2.045 | 3.044 | 3.8 | 21.3 |
| 5 31 | 16 3.59 | − 9 53.6 | 2.050 | 3.044 | 4.6 | 21.4 |
| 6 10 | 15 54.67 | −10 6.6 | 2.083 | 3.045 | 7.4 | 21.5 |
| 6 20 | 15 47.04 | −10 28.5 | 2.142 | 3.044 | 10.5 | 21.7 |
| 6 30 | 15 41.28 | −10 59.2 | 2.224 | 3.043 | 13.3 | 21.9 |

**40950** 1999 $TQ_{229}$ 5 25.3 157°.64 0°.8/25.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.02 | −23 47.1 | 2.633 | 3.471 | 10.5 | 19.9 |
| 5 1 | 16 27.61 | −23 52.7 | 2.553 | 3.474 | 7.9 | 19.7 |
| 5 11 | 16 20.61 | −23 53.5 | 2.499 | 3.477 | 4.9 | 19.5 |
| 5 21 | 16 12.57 | −23 49.4 | 2.472 | 3.480 | 1.8 | 19.3 |
| 5 31 | 16 4.22 | −23 41.2 | 2.474 | 3.483 | 2.0 | 19.3 |
| 6 10 | 15 56.33 | −23 30.6 | 2.505 | 3.486 | 5.1 | 19.5 |
| 6 20 | 15 49.54 | −23 19.4 | 2.562 | 3.488 | 8.1 | 19.7 |
| 6 30 | 15 44.39 | −23 9.9 | 2.644 | 3.490 | 10.7 | 19.9 |

**412125** 2013 $GU_{39}$ 5 25.3 356°.62 4°.7/24.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.82 | −12 1.6 | 1.008 | 1.903 | 19.0 | 19.1 |
| 5 1 | 16 28.57 | −11 53.2 | 0.949 | 1.898 | 14.5 | 18.8 |
| 5 11 | 16 22.02 | −11 51.1 | 0.907 | 1.894 | 9.4 | 18.5 |
| 5 21 | 16 13.13 | −11 58.8 | 0.886 | 1.892 | 5.2 | 18.3 |
| 5 31 | 16 3.46 | −12 19.1 | 0.887 | 1.891 | 6.3 | 18.3 |
| 6 10 | 15 54.74 | −12 53.2 | 0.909 | 1.891 | 11.2 | 18.6 |
| 6 20 | 15 48.41 | −13 40.6 | 0.950 | 1.893 | 16.3 | 18.9 |
| 6 30 | 15 45.40 | −14 39.6 | 1.009 | 1.896 | 20.7 | 19.1 |

**143900** 2003 $YJ_{58}$ 5 25.3 153°.27 2°.5/24.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.03 | −15 23.5 | 1.767 | 2.623 | 14.0 | 20.2 |
| 5 1 | 16 31.11 | −15 4.5 | 1.698 | 2.629 | 10.5 | 20.0 |
| 5 11 | 16 22.94 | −14 45.3 | 1.652 | 2.634 | 6.5 | 19.8 |
| 5 21 | 16 13.31 | −14 27.7 | 1.632 | 2.638 | 2.9 | 19.6 |
| 5 31 | 16 3.27 | −14 14.1 | 1.639 | 2.643 | 3.9 | 19.6 |
| 6 10 | 15 53.96 | −14 7.0 | 1.673 | 2.646 | 7.8 | 19.9 |
| 6 20 | 15 46.29 | −14 8.2 | 1.731 | 2.650 | 11.6 | 20.1 |
| 6 30 | 15 40.93 | −14 18.7 | 1.811 | 2.653 | 15.0 | 20.3 |

**390626** 2002 $BC_{15}$ 5 25.3 49°.53 11°.4/23.3 15

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.57 | +13 31.9 | 1.993 | 2.775 | 15.4 | 20.3 |
| 5 1 | 16 30.20 | +13 53.1 | 1.957 | 2.798 | 13.6 | 20.2 |
| 5 11 | 16 22.08 | +13 51.7 | 1.942 | 2.821 | 12.2 | 20.1 |
| 5 21 | 16 12.97 | +13 24.1 | 1.948 | 2.845 | 11.5 | 20.1 |
| 5 31 | 16 3.80 | +12 29.4 | 1.979 | 2.868 | 11.7 | 20.2 |
| 6 10 | 15 55.46 | +11 9.7 | 2.033 | 2.892 | 12.8 | 20.3 |
| 6 20 | 15 48.63 | + 9 29.7 | 2.109 | 2.916 | 14.3 | 20.5 |
| 6 30 | 15 43.79 | + 7 34.9 | 2.205 | 2.940 | 15.9 | 20.6 |

**84033** 2002 $PT_{46}$ 5 25.3 287°.80 0°.2/25.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.50 | −22 0.6 | 1.567 | 2.429 | 15.2 | 19.7 |
| 5 1 | 16 30.73 | −21 46.4 | 1.470 | 2.404 | 11.6 | 19.4 |
| 5 11 | 16 23.17 | −21 24.8 | 1.395 | 2.379 | 7.2 | 19.1 |
| 5 21 | 16 13.50 | −20 56.4 | 1.343 | 2.353 | 2.2 | 18.8 |
| 5 31 | 16 2.90 | −20 23.1 | 1.318 | 2.327 | 3.1 | 18.7 |
| 6 10 | 15 52.77 | −19 49.0 | 1.318 | 2.302 | 8.3 | 19.0 |
| 6 20 | 15 44.38 | −19 18.6 | 1.342 | 2.276 | 13.1 | 19.2 |
| 6 30 | 15 38.70 | −18 56.4 | 1.386 | 2.250 | 17.4 | 19.4 |

**27034** 1998 $RL_{34}$ 5 25.3 231°.98 3°.6/26.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 41.05 | −28 49.2 | 1.612 | 2.453 | 15.9 | 19.4 |
| 5 1 | 16 34.91 | −29 16.9 | 1.525 | 2.443 | 12.4 | 19.1 |
| 5 11 | 16 25.70 | −29 34.3 | 1.460 | 2.432 | 8.3 | 18.8 |
| 5 21 | 16 14.27 | −29 38.2 | 1.419 | 2.421 | 4.5 | 18.6 |
| 5 31 | 16 1.93 | −29 27.6 | 1.404 | 2.409 | 4.3 | 18.5 |
| 6 10 | 15 50.24 | −29 4.8 | 1.415 | 2.396 | 8.2 | 18.7 |
| 6 20 | 15 40.58 | −28 34.7 | 1.451 | 2.383 | 12.5 | 18.9 |
| 6 30 | 15 33.91 | −28 3.6 | 1.508 | 2.369 | 16.4 | 19.1 |

**348593** 2005 $WF_{152}$ 5 25.3 149°.21 2°.7/23.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.90 | −15 20.0 | 2.304 | 3.151 | 11.5 | 21.7 |
| 5 1 | 16 28.97 | −14 25.5 | 2.236 | 3.161 | 8.6 | 21.5 |
| 5 11 | 16 21.39 | −13 29.3 | 2.192 | 3.171 | 5.4 | 21.4 |
| 5 21 | 16 12.80 | −12 34.4 | 2.177 | 3.180 | 2.9 | 21.2 |
| 5 31 | 16 4.01 | −11 44.2 | 2.191 | 3.189 | 3.9 | 21.3 |
| 6 10 | 15 55.83 | −11 2.1 | 2.233 | 3.197 | 6.8 | 21.5 |
| 6 20 | 15 48.93 | −10 30.2 | 2.301 | 3.204 | 9.9 | 21.7 |
| 6 30 | 15 43.80 | −10 9.9 | 2.393 | 3.211 | 12.5 | 21.9 |

**299439** 2006 $AW_{62}$ 5 25.3 216°.11 1°.1/25.7 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.96 | −24 23.7 | 1.703 | 2.550 | 14.9 | 22.8 |
| 5 1 | 16 33.73 | −24 23.4 | 1.618 | 2.542 | 11.3 | 22.6 |
| 5 11 | 16 24.79 | −24 14.9 | 1.555 | 2.534 | 7.1 | 22.3 |
| 5 21 | 16 13.95 | −23 57.9 | 1.517 | 2.525 | 2.6 | 22.0 |
| 5 31 | 16 2.41 | −23 33.1 | 1.506 | 2.516 | 2.9 | 22.0 |
| 6 10 | 15 51.54 | −23 4.0 | 1.523 | 2.505 | 7.5 | 22.2 |
| 6 20 | 15 42.50 | −22 34.9 | 1.564 | 2.494 | 11.9 | 22.5 |
| 6 30 | 15 36.13 | −22 10.3 | 1.627 | 2.482 | 15.7 | 22.7 |

**250312** 2003 $QH_{87}$ 5 25.3 267°.62 5°.1/27.0 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.89 | −32 35.8 | 1.564 | 2.401 | 16.5 | 20.5 |
| 5 1 | 16 33.49 | −33 4.5 | 1.476 | 2.387 | 13.1 | 20.2 |
| 5 11 | 16 24.93 | −33 19.0 | 1.409 | 2.374 | 9.4 | 19.9 |
| 5 21 | 16 14.06 | −33 15.7 | 1.365 | 2.360 | 6.0 | 19.7 |
| 5 31 | 16 2.23 | −32 53.0 | 1.346 | 2.345 | 5.5 | 19.6 |
| 6 10 | 15 51.10 | −32 13.7 | 1.352 | 2.331 | 8.7 | 19.8 |
| 6 20 | 15 42.06 | −31 23.9 | 1.382 | 2.316 | 12.8 | 20.0 |
| 6 30 | 15 36.14 | −30 31.6 | 1.433 | 2.301 | 16.7 | 20.2 |

**86339** 1999 $XV_{40}$ 5 25.3 241°.91 0°.7/24.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.81 | −21 59.9 | 2.610 | 3.454 | 10.4 | 19.0 |
| 5 1 | 16 26.70 | −21 5.3 | 2.519 | 3.445 | 7.8 | 18.8 |
| 5 11 | 16 20.05 | −20 3.9 | 2.454 | 3.435 | 4.7 | 18.6 |
| 5 21 | 16 12.43 | −18 57.8 | 2.417 | 3.426 | 1.5 | 18.4 |
| 5 31 | 16 4.52 | −17 50.1 | 2.409 | 3.416 | 2.3 | 18.4 |
| 6 10 | 15 57.07 | −16 44.6 | 2.431 | 3.407 | 5.6 | 18.6 |
| 6 20 | 15 50.72 | −15 44.9 | 2.480 | 3.397 | 8.7 | 18.8 |
| 6 30 | 15 45.95 | −14 53.9 | 2.553 | 3.386 | 11.4 | 19.0 |

**316328** 2010 $RW_{114}$ 5 25.3 320°.05 6°.1/27.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.16 | −33 0.7 | 1.307 | 2.159 | 18.3 | 20.7 |
| 5 1 | 16 31.92 | −33 41.5 | 1.228 | 2.147 | 14.6 | 20.4 |
| 5 11 | 16 24.20 | −34 6.9 | 1.168 | 2.135 | 10.6 | 20.2 |
| 5 21 | 16 13.88 | −34 12.0 | 1.129 | 2.124 | 7.0 | 19.9 |
| 5 31 | 16 2.49 | −33 54.5 | 1.114 | 2.113 | 6.5 | 19.9 |
| 6 10 | 15 51.93 | −33 17.4 | 1.122 | 2.103 | 9.8 | 20.0 |
| 6 20 | 15 43.78 | −32 27.7 | 1.152 | 2.093 | 14.1 | 20.2 |
| 6 30 | 15 39.13 | −31 34.2 | 1.201 | 2.084 | 18.3 | 20.4 |

**102443** 1999 $TB_{215}$ 5 25.3 133°.31 0°.1/25.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.47 | −21 33.5 | 1.774 | 2.624 | 14.3 | 20.2 |
| 5 1 | 16 32.23 | −21 31.7 | 1.707 | 2.634 | 10.6 | 20.0 |
| 5 11 | 16 23.64 | −21 24.7 | 1.663 | 2.644 | 6.5 | 19.8 |
| 5 21 | 16 13.55 | −21 12.8 | 1.644 | 2.654 | 2.0 | 19.5 |
| 5 31 | 16 3.07 | −20 57.6 | 1.654 | 2.663 | 2.6 | 19.6 |
| 6 10 | 15 53.38 | −20 41.7 | 1.690 | 2.672 | 7.0 | 19.9 |
| 6 20 | 15 45.45 | −20 28.2 | 1.752 | 2.680 | 11.0 | 20.1 |
| 6 30 | 15 39.94 | −20 20.0 | 1.836 | 2.687 | 14.4 | 20.4 |

**185601** 2008 $CC_{16}$ 5 25.3 32°.32 2°.3/24.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.77 | −15 42.8 | 1.359 | 2.231 | 16.5 | 19.6 |
| 5 1 | 16 30.76 | −15 41.2 | 1.297 | 2.236 | 12.3 | 19.3 |
| 5 11 | 16 23.00 | −15 40.4 | 1.257 | 2.242 | 7.6 | 19.1 |
| 5 21 | 16 13.40 | −15 41.9 | 1.240 | 2.248 | 3.1 | 18.8 |
| 5 31 | 16 3.27 | −15 47.4 | 1.247 | 2.254 | 4.1 | 18.9 |
| 6 10 | 15 54.04 | −15 58.8 | 1.280 | 2.261 | 8.8 | 19.2 |
| 6 20 | 15 46.83 | −16 17.6 | 1.335 | 2.268 | 13.3 | 19.5 |
| 6 30 | 15 42.42 | −16 44.3 | 1.410 | 2.275 | 17.1 | 19.7 |

**414087** 2007 $TY_{166}$ 5 25.3 167°.69 2°.7/26.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.37 | −28 12.4 | 1.843 | 2.678 | 14.5 | 21.7 |
| 5 1 | 16 33.80 | −28 27.4 | 1.767 | 2.682 | 11.1 | 21.5 |
| 5 11 | 16 24.70 | −28 32.5 | 1.714 | 2.686 | 7.3 | 21.2 |
| 5 21 | 16 13.90 | −28 25.9 | 1.686 | 2.689 | 3.6 | 21.0 |
| 5 31 | 16 2.59 | −28 7.9 | 1.686 | 2.692 | 3.4 | 21.0 |
| 6 10 | 15 52.03 | −27 41.3 | 1.713 | 2.694 | 7.0 | 21.2 |
| 6 20 | 15 43.30 | −27 10.6 | 1.766 | 2.695 | 10.8 | 21.5 |
| 6 30 | 15 37.13 | −26 40.6 | 1.842 | 2.696 | 14.2 | 21.7 |

**87348** 2000 $QR_{29}$ 5 25.3 250°.34 0°.5/25.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.07 | −23 0.4 | 2.357 | 3.201 | 11.4 | 19.7 |
| 5 1 | 16 27.91 | −22 58.4 | 2.268 | 3.192 | 8.6 | 19.5 |
| 5 11 | 16 20.93 | −22 51.4 | 2.204 | 3.184 | 5.3 | 19.3 |
| 5 21 | 16 12.74 | −22 39.6 | 2.166 | 3.175 | 1.7 | 19.0 |
| 5 31 | 16 4.11 | −22 24.0 | 2.157 | 3.166 | 2.1 | 19.0 |
| 6 10 | 15 55.93 | −22 6.6 | 2.175 | 3.157 | 5.7 | 19.2 |
| 6 20 | 15 48.95 | −21 49.8 | 2.221 | 3.148 | 9.0 | 19.4 |
| 6 30 | 15 43.76 | −21 36.4 | 2.289 | 3.138 | 12.0 | 19.6 |

**371628** 2007 $AF_{8}$ 5 25.3 59°.99 0°.7/25.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.64 | −24 17.2 | 1.474 | 2.334 | 16.1 | 20.8 |
| 5 1 | 16 31.08 | −24 1.0 | 1.423 | 2.355 | 12.0 | 20.5 |
| 5 11 | 16 22.97 | −23 35.8 | 1.393 | 2.376 | 7.3 | 20.3 |
| 5 21 | 16 13.33 | −23 2.6 | 1.388 | 2.397 | 2.4 | 20.1 |
| 5 31 | 16 3.46 | −22 24.4 | 1.409 | 2.419 | 2.8 | 20.2 |
| 6 10 | 15 54.67 | −21 45.6 | 1.455 | 2.440 | 7.5 | 20.5 |
| 6 20 | 15 47.93 | −21 11.0 | 1.526 | 2.462 | 11.7 | 20.8 |
| 6 30 | 15 43.87 | −20 44.2 | 1.617 | 2.484 | 15.2 | 21.1 |

**520881** 2014 $WO_{518}$ 5 25.3 187°.02 4°.9/23.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.53 | −10 15.9 | 1.781 | 2.638 | 13.9 | 22.3 |
| 5 1 | 16 29.98 | − 9 31.0 | 1.711 | 2.638 | 10.7 | 22.0 |
| 5 11 | 16 22.28 | − 8 49.1 | 1.663 | 2.637 | 7.3 | 21.8 |
| 5 21 | 16 13.16 | − 8 14.0 | 1.640 | 2.636 | 5.0 | 21.7 |
| 5 31 | 16 3.62 | − 7 49.5 | 1.645 | 2.635 | 6.0 | 21.8 |
| 6 10 | 15 54.74 | − 7 38.4 | 1.675 | 2.634 | 9.2 | 21.9 |
| 6 20 | 15 47.41 | − 7 41.9 | 1.729 | 2.631 | 12.6 | 22.1 |
| 6 30 | 15 42.28 | − 7 59.6 | 1.805 | 2.629 | 15.7 | 22.3 |

**177883** 2005 $QA_{119}$ 5 25.3 191°.76 0°.2/25.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.67 | −22 26.9 | 2.428 | 3.272 | 11.1 | 21.1 |
| 5 1 | 16 27.49 | −22 18.2 | 2.347 | 3.271 | 8.3 | 20.9 |
| 5 11 | 16 20.61 | −22 4.7 | 2.290 | 3.271 | 5.1 | 20.7 |
| 5 21 | 16 12.63 | −21 46.8 | 2.260 | 3.270 | 1.6 | 20.4 |
| 5 31 | 16 4.32 | −21 26.1 | 2.259 | 3.268 | 2.0 | 20.5 |
| 6 10 | 15 56.49 | −21 4.7 | 2.286 | 3.267 | 5.5 | 20.7 |
| 6 20 | 15 49.84 | −20 45.0 | 2.340 | 3.266 | 8.7 | 20.9 |
| 6 30 | 15 44.91 | −20 29.3 | 2.417 | 3.264 | 11.5 | 21.1 |

**99824** Polnareff 5 25.3 6°.65 6°.4/22.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.01 | − 5 13.5 | 1.767 | 2.623 | 14.1 | 19.5 |
| 5 1 | 16 28.10 | − 4 39.0 | 1.702 | 2.623 | 11.1 | 19.3 |
| 5 11 | 16 21.13 | − 4 12.8 | 1.658 | 2.623 | 8.2 | 19.2 |
| 5 21 | 16 12.81 | − 3 59.0 | 1.639 | 2.624 | 6.5 | 19.1 |
| 5 31 | 16 4.10 | − 4 0.7 | 1.646 | 2.625 | 7.3 | 19.1 |
| 6 10 | 15 56.02 | − 4 19.0 | 1.678 | 2.626 | 9.9 | 19.3 |
| 6 20 | 15 49.42 | − 4 53.5 | 1.732 | 2.627 | 13.0 | 19.5 |
| 6 30 | 15 44.92 | − 5 42.3 | 1.808 | 2.628 | 15.8 | 19.6 |

**423730** 2006 $BT_{156}$ 5 25.3 251°.38 3°.3/26.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.46 | −29 40.8 | 1.919 | 2.755 | 13.9 | 20.7 |
| 5 1 | 16 30.96 | −30 0.6 | 1.835 | 2.749 | 10.8 | 20.5 |
| 5 11 | 16 23.04 | −30 10.2 | 1.773 | 2.743 | 7.3 | 20.3 |
| 5 21 | 16 13.43 | −30 7.8 | 1.737 | 2.737 | 4.1 | 20.1 |
| 5 31 | 16 3.23 | −29 53.1 | 1.727 | 2.731 | 3.8 | 20.0 |
| 6 10 | 15 53.62 | −29 28.5 | 1.744 | 2.724 | 7.0 | 20.2 |
| 6 20 | 15 45.67 | −28 58.1 | 1.787 | 2.718 | 10.6 | 20.4 |
| 6 30 | 15 40.12 | −28 26.8 | 1.851 | 2.711 | 13.9 | 20.6 |

**275567** 1999 $TB_{25}$ 5 25.3 243°.18 5°.4/21.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.11 | − 7 6.3 | 2.320 | 3.165 | 11.5 | 21.0 |
| 5 1 | 16 27.85 | − 6 1.4 | 2.231 | 3.148 | 9.1 | 20.8 |
| 5 11 | 16 20.87 | − 4 59.3 | 2.167 | 3.130 | 6.7 | 20.7 |
| 5 21 | 16 12.73 | − 4 4.1 | 2.130 | 3.112 | 5.4 | 20.5 |
| 5 31 | 16 4.17 | − 3 19.9 | 2.121 | 3.094 | 6.4 | 20.6 |
| 6 10 | 15 56.00 | − 2 49.9 | 2.138 | 3.074 | 8.8 | 20.7 |
| 6 20 | 15 48.93 | − 2 35.5 | 2.181 | 3.054 | 11.5 | 20.8 |
| 6 30 | 15 43.56 | − 2 37.1 | 2.244 | 3.034 | 14.1 | 21.0 |

**456985** 2008 $CW_{5}$ 5 25.3 76°.93 4°.6/23.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.61 | −11 27.0 | 1.535 | 2.394 | 15.6 | 21.0 |
| 5 1 | 16 32.11 | −10 43.0 | 1.496 | 2.426 | 11.7 | 20.8 |
| 5 11 | 16 23.39 | −10 2.9 | 1.479 | 2.457 | 7.7 | 20.7 |
| 5 21 | 16 13.43 | − 9 30.5 | 1.488 | 2.487 | 4.8 | 20.6 |
| 5 31 | 16 3.41 | − 9 9.3 | 1.523 | 2.517 | 5.8 | 20.7 |
| 6 10 | 15 54.48 | − 9 1.4 | 1.583 | 2.547 | 9.2 | 20.9 |
| 6 20 | 15 47.47 | − 9 7.4 | 1.668 | 2.576 | 12.6 | 21.2 |
| 6 30 | 15 42.92 | − 9 26.5 | 1.773 | 2.604 | 15.6 | 21.5 |

**310389** 1998 $DO_{19}$ 5 25.3 156°.03 3°.8/23.7 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.84 | −12 2.4 | 1.952 | 2.801 | 13.2 | 22.0 |
| 5 1 | 16 31.45 | −11 27.1 | 1.886 | 2.810 | 10.0 | 21.8 |
| 5 11 | 16 23.05 | −10 53.6 | 1.842 | 2.819 | 6.5 | 21.6 |
| 5 21 | 16 13.37 | −10 24.7 | 1.826 | 2.826 | 3.9 | 21.4 |
| 5 31 | 16 3.39 | −10 3.3 | 1.838 | 2.833 | 4.9 | 21.5 |
| 6 10 | 15 54.10 | − 9 51.9 | 1.877 | 2.839 | 8.1 | 21.7 |
| 6 20 | 15 46.32 | − 9 51.8 | 1.941 | 2.844 | 11.4 | 21.9 |
| 6 30 | 15 40.66 | −10 3.1 | 2.027 | 2.848 | 14.3 | 22.1 |

**2223** Sarpedon 5 25.3 334°.09 1°.5/23.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 24.45 | −15 3.3 | 4.320 | 5.165 | 6.6 | 16.7 |
| 5 1 | 16 20.76 | −14 30.6 | 4.239 | 5.164 | 4.9 | 16.5 |
| 5 11 | 16 16.27 | −13 57.4 | 4.184 | 5.163 | 3.1 | 16.4 |
| 5 21 | 16 11.28 | −13 25.0 | 4.159 | 5.163 | 1.6 | 16.3 |
| 5 31 | 16 6.16 | −12 54.9 | 4.163 | 5.162 | 2.1 | 16.3 |
| 6 10 | 16 1.27 | −12 28.4 | 4.196 | 5.162 | 3.9 | 16.4 |
| 6 20 | 15 56.95 | −12 6.6 | 4.257 | 5.161 | 5.7 | 16.6 |
| 6 30 | 15 53.48 | −11 50.3 | 4.343 | 5.160 | 7.3 | 16.7 |

**305808** 2009 $DE_{100}$ 5 25.3 83°.33 0°.4/25.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.05 | −20 25.6 | 1.419 | 2.282 | 16.5 | 21.0 |
| 5 1 | 16 33.00 | −20 23.3 | 1.365 | 2.299 | 12.2 | 20.8 |
| 5 11 | 16 24.23 | −20 16.4 | 1.332 | 2.316 | 7.4 | 20.6 |
| 5 21 | 16 13.76 | −20 5.5 | 1.323 | 2.333 | 2.2 | 20.3 |
| 5 31 | 16 2.93 | −19 52.4 | 1.340 | 2.350 | 3.1 | 20.4 |
| 6 10 | 15 53.18 | −19 40.3 | 1.383 | 2.366 | 8.0 | 20.7 |
| 6 20 | 15 45.56 | −19 32.3 | 1.450 | 2.383 | 12.4 | 21.0 |
| 6 30 | 15 40.76 | −19 31.2 | 1.537 | 2.399 | 16.1 | 21.3 |

**425574** 2010 $TK_{23}$ 5 25.3 160°.58 1°.0/25.7 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.54 | −24 12.1 | 1.922 | 2.765 | 13.6 | 22.8 |
| 5 1 | 16 32.23 | −24 11.7 | 1.848 | 2.771 | 10.3 | 22.6 |
| 5 11 | 16 23.66 | −24 4.2 | 1.797 | 2.776 | 6.4 | 22.4 |
| 5 21 | 16 13.60 | −23 49.5 | 1.772 | 2.781 | 2.3 | 22.1 |
| 5 31 | 16 3.12 | −23 28.6 | 1.776 | 2.785 | 2.5 | 22.1 |
| 6 10 | 15 53.35 | −23 4.6 | 1.807 | 2.789 | 6.6 | 22.4 |
| 6 20 | 15 45.24 | −22 40.8 | 1.864 | 2.792 | 10.4 | 22.6 |
| 6 30 | 15 39.44 | −22 20.8 | 1.943 | 2.794 | 13.7 | 22.9 |

**18010** 1999 $JQ_{100}$ 5 25.3 65°.98 4°.6/22.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.17 | −10 29.6 | 2.056 | 2.913 | 12.3 | 18.4 |
| 5 1 | 16 26.41 | − 9 28.4 | 1.994 | 2.922 | 9.4 | 18.2 |
| 5 11 | 16 19.95 | − 8 29.6 | 1.957 | 2.931 | 6.4 | 18.1 |
| 5 21 | 16 12.44 | − 7 37.1 | 1.946 | 2.939 | 4.6 | 18.0 |
| 5 31 | 16 4.69 | − 6 54.7 | 1.962 | 2.948 | 5.6 | 18.1 |
| 6 10 | 15 57.55 | − 6 25.5 | 2.004 | 2.957 | 8.2 | 18.2 |
| 6 20 | 15 51.71 | − 6 10.8 | 2.071 | 2.966 | 11.1 | 18.4 |
| 6 30 | 15 47.66 | − 6 10.5 | 2.159 | 2.975 | 13.7 | 18.6 |

**37938** 1998 $GH_9$ 5 25.3 346°.43 6°.0/23.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.01 | − 5 57.7 | 1.657 | 2.514 | 14.8 | 17.9 |
| 5 1 | 16 29.78 | − 5 45.5 | 1.588 | 2.511 | 11.6 | 17.7 |
| 5 11 | 16 22.26 | − 5 42.7 | 1.540 | 2.509 | 8.3 | 17.5 |
| 5 21 | 16 13.20 | − 5 52.5 | 1.517 | 2.507 | 6.1 | 17.4 |
| 5 31 | 16 3.64 | − 6 16.8 | 1.519 | 2.506 | 6.8 | 17.4 |
| 6 10 | 15 54.73 | − 6 56.3 | 1.547 | 2.505 | 9.8 | 17.6 |
| 6 20 | 15 47.41 | − 7 49.5 | 1.598 | 2.504 | 13.2 | 17.8 |
| 6 30 | 15 42.41 | − 8 54.3 | 1.670 | 2.503 | 16.4 | 18.0 |

**297099** 2010 $MD_{112}$ 5 25.3 328°.68 2°.8/26.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.75 | −27 49.4 | 1.151 | 2.026 | 18.6 | 20.0 |
| 5 1 | 16 29.44 | −27 47.2 | 1.074 | 2.013 | 14.4 | 19.7 |
| 5 11 | 16 22.70 | −27 29.9 | 1.017 | 2.000 | 9.4 | 19.4 |
| 5 21 | 16 13.46 | −26 56.1 | 0.980 | 1.987 | 4.3 | 19.0 |
| 5 31 | 16 3.25 | −26 7.7 | 0.967 | 1.976 | 4.0 | 19.0 |
| 6 10 | 15 53.93 | −25 10.5 | 0.975 | 1.965 | 9.3 | 19.2 |
| 6 20 | 15 47.01 | −24 12.5 | 1.005 | 1.956 | 14.7 | 19.5 |
| 6 30 | 15 43.53 | −23 21.6 | 1.053 | 1.947 | 19.4 | 19.7 |

**147153** 2002 $TB_{303}$ 5 25.3 304°.29 2°.6/24.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.45 | −17 0.4 | 1.406 | 2.280 | 15.9 | 20.4 |
| 5 1 | 16 29.31 | −16 31.2 | 1.319 | 2.260 | 12.0 | 20.1 |
| 5 11 | 16 22.36 | −15 58.4 | 1.253 | 2.239 | 7.5 | 19.8 |
| 5 21 | 16 13.33 | −15 24.9 | 1.210 | 2.219 | 3.2 | 19.5 |
| 5 31 | 16 3.42 | −14 54.5 | 1.192 | 2.198 | 4.5 | 19.5 |
| 6 10 | 15 54.07 | −14 31.5 | 1.199 | 2.179 | 9.4 | 19.7 |
| 6 20 | 15 46.54 | −14 19.6 | 1.227 | 2.159 | 14.3 | 19.9 |
| 6 30 | 15 41.79 | −14 21.1 | 1.275 | 2.140 | 18.6 | 20.1 |

**184394** 2005 $MH_5$ 5 25.3 260°.48 4°.3/23.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.88 | −11 34.3 | 1.714 | 2.574 | 14.2 | 20.1 |
| 5 1 | 16 29.75 | −11 0.1 | 1.632 | 2.563 | 10.8 | 19.9 |
| 5 11 | 16 22.29 | −10 28.0 | 1.573 | 2.551 | 7.2 | 19.6 |
| 5 21 | 16 13.24 | −10 1.4 | 1.540 | 2.540 | 4.5 | 19.5 |
| 5 31 | 16 3.59 | − 9 43.9 | 1.532 | 2.528 | 5.6 | 19.5 |
| 6 10 | 15 54.50 | − 9 38.1 | 1.550 | 2.516 | 9.1 | 19.7 |
| 6 20 | 15 46.96 | − 9 45.7 | 1.592 | 2.504 | 12.9 | 19.9 |
| 6 30 | 15 41.72 | −10 6.8 | 1.655 | 2.491 | 16.4 | 20.1 |

**231757** 1999 $TJ_{319}$ 5 25.3 195°.84 2°.0/24.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.95 | −16 40.1 | 2.134 | 2.987 | 12.1 | 21.0 |
| 5 1 | 16 28.58 | −16 10.8 | 2.056 | 2.985 | 9.0 | 20.7 |
| 5 11 | 16 21.35 | −15 39.4 | 2.001 | 2.983 | 5.6 | 20.5 |
| 5 21 | 16 12.90 | −15 8.1 | 1.974 | 2.981 | 2.4 | 20.3 |
| 5 31 | 16 4.09 | −14 39.5 | 1.974 | 2.978 | 3.3 | 20.4 |
| 6 10 | 15 55.81 | −14 16.1 | 2.002 | 2.975 | 6.8 | 20.6 |
| 6 20 | 15 48.85 | −14 0.3 | 2.056 | 2.972 | 10.2 | 20.8 |
| 6 30 | 15 43.79 | −13 53.7 | 2.132 | 2.968 | 13.2 | 21.0 |

**328211** 2008 $EO_{96}$ 5 25.3 124°.97 1°.4/24.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 37.17 | −18 46.2 | 1.741 | 2.597 | 14.2 | 22.1 |
| 5 1 | 16 31.22 | −18 23.1 | 1.677 | 2.608 | 10.6 | 21.9 |
| 5 11 | 16 23.03 | −17 56.5 | 1.636 | 2.619 | 6.4 | 21.7 |
| 5 21 | 16 13.41 | −17 28.0 | 1.620 | 2.629 | 2.2 | 21.4 |
| 5 31 | 16 3.45 | −17 0.5 | 1.632 | 2.639 | 3.2 | 21.5 |
| 6 10 | 15 54.31 | −16 37.0 | 1.670 | 2.648 | 7.4 | 21.8 |
| 6 20 | 15 46.88 | −16 20.5 | 1.733 | 2.657 | 11.3 | 22.0 |
| 6 30 | 15 41.80 | −16 13.0 | 1.818 | 2.666 | 14.7 | 22.2 |

**422347** 2014 $SK_{228}$ 5 25.3 148°.66 0°.8/25.6 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.94 | −23 55.5 | 1.779 | 2.626 | 14.4 | 22.4 |
| 5 1 | 16 32.64 | −23 48.6 | 1.709 | 2.634 | 10.8 | 22.1 |
| 5 11 | 16 23.95 | −23 34.1 | 1.662 | 2.642 | 6.7 | 21.9 |
| 5 21 | 16 13.71 | −23 12.2 | 1.640 | 2.649 | 2.3 | 21.6 |
| 5 31 | 16 3.06 | −22 44.5 | 1.646 | 2.655 | 2.6 | 21.7 |
| 6 10 | 15 53.21 | −22 14.4 | 1.679 | 2.661 | 7.0 | 22.0 |
| 6 20 | 15 45.15 | −21 46.0 | 1.737 | 2.667 | 11.0 | 22.2 |
| 6 30 | 15 39.56 | −21 22.9 | 1.818 | 2.671 | 14.4 | 22.4 |

**250867** 2005 $UZ_{381}$ 5 25.3 195°.65 8°.2/18.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.86 | + 8 34.7 | 2.976 | 3.770 | 10.6 | 20.6 |
| 5 1 | 16 25.04 | + 9 50.0 | 2.915 | 3.768 | 9.3 | 20.5 |
| 5 11 | 16 18.99 | +10 53.9 | 2.879 | 3.765 | 8.4 | 20.5 |
| 5 21 | 16 12.16 | +11 42.2 | 2.867 | 3.762 | 8.3 | 20.4 |
| 5 31 | 16 5.11 | +12 12.0 | 2.880 | 3.758 | 8.8 | 20.5 |
| 6 10 | 15 58.42 | +12 22.2 | 2.918 | 3.754 | 10.0 | 20.5 |
| 6 20 | 15 52.59 | +12 13.1 | 2.977 | 3.749 | 11.3 | 20.6 |
| 6 30 | 15 48.05 | +11 46.4 | 3.056 | 3.745 | 12.7 | 20.7 |

**269029** 2007 $FZ_9$ 5 25.3 336°.39 12°.1/20.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 27.14 | + 0 22.2 | 1.204 | 2.080 | 17.9 | 18.8 |
| 5 1 | 16 24.74 | + 1 48.7 | 1.132 | 2.056 | 15.2 | 18.6 |
| 5 11 | 16 19.62 | + 3 1.5 | 1.079 | 2.033 | 12.9 | 18.4 |
| 5 21 | 16 12.51 | + 3 50.8 | 1.046 | 2.011 | 12.1 | 18.2 |
| 5 31 | 16 4.60 | + 4 7.9 | 1.034 | 1.991 | 13.3 | 18.2 |
| 6 10 | 15 57.28 | + 3 48.7 | 1.040 | 1.973 | 16.1 | 18.3 |
| 6 20 | 15 51.76 | + 2 54.3 | 1.065 | 1.956 | 19.5 | 18.5 |
| 6 30 | 15 48.98 | + 1 29.4 | 1.105 | 1.941 | 22.8 | 18.6 |

**502344** 2015 $BH_{195}$ 5 25.3 222°.74 2°.7/26.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.91 | −28 14.9 | 1.898 | 2.736 | 14.0 | 22.7 |
| 5 1 | 16 32.06 | −28 28.2 | 1.813 | 2.729 | 10.8 | 22.5 |
| 5 11 | 16 23.74 | −28 31.9 | 1.750 | 2.722 | 7.1 | 22.2 |
| 5 21 | 16 13.71 | −28 24.5 | 1.712 | 2.715 | 3.6 | 22.0 |
| 5 31 | 16 3.06 | −28 6.0 | 1.702 | 2.708 | 3.4 | 21.9 |
| 6 10 | 15 53.02 | −27 39.1 | 1.718 | 2.700 | 6.9 | 22.1 |
| 6 20 | 15 44.65 | −27 7.9 | 1.761 | 2.691 | 10.8 | 22.4 |
| 6 30 | 15 38.72 | −26 37.2 | 1.825 | 2.683 | 14.2 | 22.6 |

**329376** 2001 $WA_{48}$ 5 25.3 251°.30 2°.7/24.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.86 | −12 50.3 | 1.859 | 2.711 | 13.7 | 20.7 |
| 5 1 | 16 31.91 | −13 0.5 | 1.772 | 2.699 | 10.3 | 20.5 |
| 5 11 | 16 23.63 | −13 14.4 | 1.708 | 2.688 | 6.6 | 20.2 |
| 5 21 | 16 13.69 | −13 33.1 | 1.670 | 2.676 | 3.2 | 20.0 |
| 5 31 | 16 3.08 | −13 57.3 | 1.660 | 2.663 | 4.0 | 20.0 |
| 6 10 | 15 52.93 | −14 27.5 | 1.678 | 2.651 | 7.8 | 20.2 |
| 6 20 | 15 44.26 | −15 4.1 | 1.720 | 2.638 | 11.7 | 20.4 |
| 6 30 | 15 37.84 | −15 47.0 | 1.785 | 2.625 | 15.2 | 20.6 |

**363681** 2004 $TY_{110}$ 5 25.3 210°.43 0°.4/25.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.80 | −21 49.9 | 1.721 | 2.570 | 14.7 | 21.4 |
| 5 1 | 16 33.58 | −21 59.2 | 1.638 | 2.565 | 11.1 | 21.1 |
| 5 11 | 16 24.73 | −22 3.8 | 1.578 | 2.559 | 6.8 | 20.8 |
| 5 21 | 16 14.04 | −22 3.0 | 1.543 | 2.553 | 2.2 | 20.5 |
| 5 31 | 16 2.66 | −21 57.5 | 1.536 | 2.546 | 2.7 | 20.6 |
| 6 10 | 15 51.92 | −21 49.5 | 1.556 | 2.538 | 7.4 | 20.8 |
| 6 20 | 15 42.94 | −21 41.9 | 1.601 | 2.530 | 11.8 | 21.1 |
| 6 30 | 15 36.56 | −21 38.3 | 1.668 | 2.521 | 15.5 | 21.3 |

**321100** 2008 $TV_{46}$ 5 25.3 216°.86 0°.4/25.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.24 | −22 0.8 | 2.241 | 3.083 | 12.0 | 20.9 |
| 5 1 | 16 30.38 | −22 10.3 | 2.154 | 3.077 | 9.0 | 20.7 |
| 5 11 | 16 22.54 | −22 15.9 | 2.090 | 3.070 | 5.5 | 20.5 |
| 5 21 | 16 13.33 | −22 17.2 | 2.053 | 3.062 | 1.8 | 20.2 |
| 5 31 | 16 3.61 | −22 14.7 | 2.045 | 3.055 | 2.2 | 20.2 |
| 6 10 | 15 54.36 | −22 10.2 | 2.066 | 3.046 | 6.0 | 20.5 |
| 6 20 | 15 46.41 | −22 5.6 | 2.112 | 3.038 | 9.5 | 20.7 |
| 6 30 | 15 40.42 | −22 3.5 | 2.183 | 3.029 | 12.6 | 20.8 |

**69450** 1996 $TL_3$ 5 25.3 213°.78 1°.3/24.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.68 | −19 1.9 | 1.941 | 2.790 | 13.3 | 21.0 |
| 5 1 | 16 31.65 | −18 39.2 | 1.854 | 2.782 | 9.9 | 20.8 |
| 5 11 | 16 23.38 | −18 12.3 | 1.792 | 2.774 | 6.1 | 20.6 |
| 5 21 | 16 13.59 | −17 42.8 | 1.756 | 2.765 | 2.1 | 20.3 |
| 5 31 | 16 3.27 | −17 12.9 | 1.748 | 2.755 | 3.0 | 20.3 |
| 6 10 | 15 53.52 | −16 45.9 | 1.767 | 2.744 | 7.2 | 20.6 |
| 6 20 | 15 45.27 | −16 24.8 | 1.813 | 2.733 | 11.1 | 20.8 |
| 6 30 | 15 39.24 | −16 12.1 | 1.880 | 2.721 | 14.5 | 21.0 |

**514552** 2017 $WW_2$ 5 25.3 266°.35 1°.7/24.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.81 | −16 39.9 | 1.896 | 2.752 | 13.2 | 21.3 |
| 5 1 | 16 29.56 | −16 36.4 | 1.814 | 2.745 | 9.9 | 21.0 |
| 5 11 | 16 22.14 | −16 32.4 | 1.755 | 2.737 | 6.1 | 20.8 |
| 5 21 | 16 13.22 | −16 28.8 | 1.721 | 2.729 | 2.3 | 20.5 |
| 5 31 | 16 3.76 | −16 27.2 | 1.715 | 2.722 | 3.2 | 20.6 |
| 6 10 | 15 54.83 | −16 29.4 | 1.736 | 2.714 | 7.2 | 20.8 |
| 6 20 | 15 47.34 | −16 37.0 | 1.782 | 2.706 | 11.0 | 21.0 |
| 6 30 | 15 42.00 | −16 51.4 | 1.850 | 2.698 | 14.4 | 21.2 |

**393141** 2013 $BN_{54}$ 5 25.3 262°.95 6°.5/22.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.66 | − 0 51.7 | 2.330 | 3.163 | 11.9 | 20.6 |
| 5 1 | 16 27.48 | − 0 24.9 | 2.253 | 3.154 | 9.7 | 20.4 |
| 5 11 | 16 20.65 | − 0 7.7 | 2.198 | 3.146 | 7.6 | 20.2 |
| 5 21 | 16 12.72 | − 0 3.3 | 2.170 | 3.137 | 6.6 | 20.2 |
| 5 31 | 16 4.43 | − 0 14.0 | 2.168 | 3.127 | 7.2 | 20.2 |
| 6 10 | 15 56.56 | − 0 40.7 | 2.192 | 3.118 | 9.1 | 20.3 |
| 6 20 | 15 49.79 | − 1 22.5 | 2.241 | 3.109 | 11.5 | 20.4 |
| 6 30 | 15 44.68 | − 2 17.7 | 2.311 | 3.100 | 13.8 | 20.6 |

**97060** 1999 $VF_4$ 5 25.3 182°.60 1°.7/24.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.47 | −16 52.1 | 2.341 | 3.188 | 11.4 | 20.8 |
| 5 1 | 16 28.83 | −16 31.1 | 2.262 | 3.189 | 8.5 | 20.6 |
| 5 11 | 16 21.46 | −16 8.4 | 2.208 | 3.189 | 5.2 | 20.4 |
| 5 21 | 16 12.97 | −15 45.6 | 2.181 | 3.189 | 2.1 | 20.2 |
| 5 31 | 16 4.15 | −15 24.6 | 2.183 | 3.188 | 2.9 | 20.2 |
| 6 10 | 15 55.84 | −15 7.7 | 2.213 | 3.187 | 6.2 | 20.4 |
| 6 20 | 15 48.73 | −14 56.8 | 2.270 | 3.185 | 9.4 | 20.6 |
| 6 30 | 15 43.39 | −14 53.3 | 2.350 | 3.182 | 12.2 | 20.8 |

**497723** 2006 $SO_{163}$ 5 25.3 218°.76 2°.5/24.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.23 | −15 51.9 | 2.058 | 2.908 | 12.6 | 22.6 |
| 5 1 | 16 30.42 | −15 14.0 | 1.971 | 2.899 | 9.4 | 22.4 |
| 5 11 | 16 22.57 | −14 33.7 | 1.908 | 2.889 | 5.9 | 22.2 |
| 5 21 | 16 13.35 | −13 53.7 | 1.872 | 2.878 | 2.8 | 22.0 |
| 5 31 | 16 3.65 | −13 16.9 | 1.864 | 2.866 | 3.9 | 22.0 |
| 6 10 | 15 54.46 | −12 46.7 | 1.885 | 2.854 | 7.4 | 22.2 |
| 6 20 | 15 46.64 | −12 25.7 | 1.930 | 2.841 | 11.0 | 22.4 |
| 6 30 | 15 40.85 | −12 15.6 | 1.998 | 2.828 | 14.2 | 22.6 |

**168669** 2000 $ED_{153}$ 5 25.3 22°.52 7°.2/21.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.16 | − 4 8.1 | 1.884 | 2.738 | 13.4 | 19.7 |
| 5 1 | 16 26.60 | − 2 54.1 | 1.822 | 2.739 | 10.7 | 19.6 |
| 5 11 | 16 20.19 | − 1 47.5 | 1.783 | 2.741 | 8.3 | 19.4 |
| 5 21 | 16 12.59 | − 0 53.5 | 1.769 | 2.743 | 7.2 | 19.4 |
| 5 31 | 16 4.69 | − 0 16.9 | 1.781 | 2.745 | 8.2 | 19.4 |
| 6 10 | 15 57.39 | − 0 0.2 | 1.817 | 2.747 | 10.5 | 19.6 |
| 6 20 | 15 51.44 | − 0 3.8 | 1.876 | 2.749 | 13.2 | 19.7 |
| 6 30 | 15 47.42 | − 0 26.2 | 1.955 | 2.751 | 15.7 | 19.9 |

**97204** 1999 $XC_{20}$ 5 25.3 154°.28 0°.6/25.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.93 | −22 9.6 | 2.131 | 2.974 | 12.5 | 19.7 |
| 5 1 | 16 30.91 | −22 27.2 | 2.055 | 2.979 | 9.3 | 19.5 |
| 5 11 | 16 22.84 | −22 40.9 | 2.003 | 2.983 | 5.8 | 19.2 |
| 5 21 | 16 13.42 | −22 50.0 | 1.978 | 2.987 | 1.9 | 19.0 |
| 5 31 | 16 3.57 | −22 54.9 | 1.981 | 2.991 | 2.3 | 19.0 |
| 6 10 | 15 54.29 | −22 56.9 | 2.013 | 2.994 | 6.1 | 19.3 |
| 6 20 | 15 46.42 | −22 58.1 | 2.070 | 2.997 | 9.6 | 19.5 |
| 6 30 | 15 40.61 | −23 0.9 | 2.151 | 3.000 | 12.7 | 19.7 |

**503083** 2015 $FG_{284}$ 5 25.3 170°.90 5°.5/22.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.74 | − 4 18.1 | 2.523 | 3.357 | 11.0 | 21.7 |
| 5 1 | 16 28.06 | − 3 30.2 | 2.454 | 3.361 | 8.7 | 21.6 |
| 5 11 | 16 20.89 | − 2 48.3 | 2.410 | 3.365 | 6.6 | 21.4 |
| 5 21 | 16 12.79 | − 2 15.6 | 2.394 | 3.368 | 5.5 | 21.4 |
| 5 31 | 16 4.44 | − 1 55.1 | 2.405 | 3.371 | 6.2 | 21.4 |
| 6 10 | 15 56.56 | − 1 48.4 | 2.444 | 3.372 | 8.2 | 21.6 |
| 6 20 | 15 49.77 | − 1 55.6 | 2.507 | 3.373 | 10.5 | 21.7 |
| 6 30 | 15 44.55 | − 2 16.0 | 2.593 | 3.374 | 12.6 | 21.9 |

**19969** Davidfreedman 5 25.3 323°.26 5°.1/23.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.01 | −12 1.5 | 1.416 | 2.289 | 15.9 | 18.0 |
| 5 1 | 16 29.39 | −11 6.0 | 1.349 | 2.285 | 12.1 | 17.8 |
| 5 11 | 16 22.20 | −10 11.7 | 1.302 | 2.282 | 8.1 | 17.5 |
| 5 21 | 16 13.27 | − 9 23.6 | 1.279 | 2.279 | 5.3 | 17.4 |
| 5 31 | 16 3.80 | − 8 47.2 | 1.281 | 2.276 | 6.5 | 17.4 |
| 6 10 | 15 55.12 | − 8 26.5 | 1.307 | 2.273 | 10.4 | 17.6 |
| 6 20 | 15 48.28 | − 8 23.4 | 1.355 | 2.271 | 14.4 | 17.9 |
| 6 30 | 15 44.04 | − 8 37.9 | 1.423 | 2.269 | 18.1 | 18.1 |

**421127** 2013 $QX_{84}$ 5 25.3 315°.95 1°.2/25.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.93 | −24 14.0 | 1.299 | 2.173 | 17.0 | 20.5 |
| 5 1 | 16 29.36 | −24 12.6 | 1.210 | 2.149 | 13.0 | 20.1 |
| 5 11 | 16 22.64 | −24 1.8 | 1.141 | 2.125 | 8.2 | 19.8 |
| 5 21 | 16 13.53 | −23 40.9 | 1.093 | 2.103 | 2.9 | 19.4 |
| 5 31 | 16 3.33 | −23 11.4 | 1.070 | 2.080 | 3.3 | 19.4 |
| 6 10 | 15 53.71 | −22 37.4 | 1.070 | 2.059 | 8.9 | 19.6 |
| 6 20 | 15 46.13 | −22 4.5 | 1.092 | 2.038 | 14.3 | 19.8 |
| 6 30 | 15 41.69 | −21 38.4 | 1.133 | 2.018 | 19.0 | 20.1 |

**104496** 2000 $GK_{33}$ 5 25.3 230°.23 0°.4/25.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.54 | −21 23.6 | 2.048 | 2.895 | 12.8 | 20.0 |
| 5 1 | 16 30.77 | −21 3.6 | 1.957 | 2.883 | 9.6 | 19.8 |
| 5 11 | 16 22.86 | −20 37.8 | 1.889 | 2.870 | 5.9 | 19.5 |
| 5 21 | 16 13.46 | −20 7.2 | 1.848 | 2.857 | 1.8 | 19.2 |
| 5 31 | 16 3.53 | −19 33.7 | 1.835 | 2.844 | 2.5 | 19.3 |
| 6 10 | 15 54.10 | −19 0.6 | 1.850 | 2.829 | 6.7 | 19.5 |
| 6 20 | 15 46.09 | −18 31.3 | 1.891 | 2.814 | 10.5 | 19.7 |
| 6 30 | 15 40.20 | −18 8.8 | 1.954 | 2.799 | 13.9 | 19.9 |

**148118** 1999 $TQ_{65}$ 5 25.3 41°.46 0°.7/25.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.59 | −23 39.8 | 2.224 | 3.071 | 11.9 | 20.8 |
| 5 1 | 16 27.61 | −23 35.2 | 2.148 | 3.073 | 8.9 | 20.6 |
| 5 11 | 16 20.80 | −23 24.8 | 2.095 | 3.075 | 5.5 | 20.4 |
| 5 21 | 16 12.80 | −23 9.0 | 2.069 | 3.077 | 1.9 | 20.1 |
| 5 31 | 16 4.45 | −22 49.0 | 2.070 | 3.080 | 2.1 | 20.2 |
| 6 10 | 15 56.65 | −22 27.3 | 2.099 | 3.082 | 5.8 | 20.4 |
| 6 20 | 15 50.14 | −22 6.5 | 2.155 | 3.085 | 9.1 | 20.6 |
| 6 30 | 15 45.50 | −21 49.4 | 2.233 | 3.087 | 12.1 | 20.8 |

**396331** 2014 $DF_{49}$ 5 25.3 350°.59 5°.6/22.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.57 | − 7 4.2 | 2.131 | 2.985 | 12.1 | 20.4 |
| 5 1 | 16 26.02 | − 6 3.2 | 2.063 | 2.984 | 9.4 | 20.3 |
| 5 11 | 16 19.79 | − 5 6.7 | 2.018 | 2.984 | 6.9 | 20.1 |
| 5 21 | 16 12.49 | − 4 18.8 | 1.999 | 2.983 | 5.6 | 20.0 |
| 5 31 | 16 4.89 | − 3 43.4 | 2.007 | 2.983 | 6.5 | 20.1 |
| 6 10 | 15 57.81 | − 3 23.1 | 2.041 | 2.982 | 8.8 | 20.2 |
| 6 20 | 15 51.93 | − 3 18.6 | 2.099 | 2.982 | 11.5 | 20.4 |
| 6 30 | 15 47.78 | − 3 29.7 | 2.178 | 2.982 | 14.0 | 20.6 |

**111873** 2002 $ED_{101}$ 5 25.3 163°.75 4°.8/23.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.59 | − 6 22.7 | 2.421 | 3.265 | 11.1 | 20.1 |
| 5 1 | 16 26.60 | − 5 54.8 | 2.349 | 3.266 | 8.7 | 19.9 |
| 5 11 | 16 20.08 | − 5 32.6 | 2.302 | 3.267 | 6.3 | 19.8 |
| 5 21 | 16 12.58 | − 5 18.5 | 2.282 | 3.268 | 4.8 | 19.7 |
| 5 31 | 16 4.79 | − 5 14.8 | 2.289 | 3.269 | 5.5 | 19.7 |
| 6 10 | 15 57.47 | − 5 22.8 | 2.323 | 3.269 | 7.7 | 19.9 |
| 6 20 | 15 51.21 | − 5 42.4 | 2.383 | 3.270 | 10.2 | 20.0 |
| 6 30 | 15 46.54 | − 6 13.0 | 2.464 | 3.271 | 12.5 | 20.2 |

**63563** 2001 $QU_{15}$ 5 25.3 287°.60 1°.8/24.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.17 | −17 38.3 | 1.624 | 2.487 | 14.7 | 19.4 |
| 5 1 | 16 30.35 | −17 23.8 | 1.531 | 2.466 | 11.1 | 19.1 |
| 5 11 | 16 22.92 | −17 6.7 | 1.460 | 2.444 | 6.9 | 18.8 |
| 5 21 | 16 13.57 | −16 48.6 | 1.413 | 2.422 | 2.6 | 18.4 |
| 5 31 | 16 3.39 | −16 31.7 | 1.392 | 2.400 | 3.7 | 18.5 |
| 6 10 | 15 53.66 | −16 19.2 | 1.398 | 2.377 | 8.4 | 18.7 |
| 6 20 | 15 45.55 | −16 13.9 | 1.426 | 2.355 | 12.9 | 18.9 |
| 6 30 | 15 39.97 | −16 18.2 | 1.476 | 2.333 | 16.9 | 19.1 |

**93855** 2000 $WU_{97}$ 5 25.3 244°.29 2°.5/26.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.12 | −30 26.1 | 2.041 | 2.873 | 13.4 | 19.3 |
| 5 1 | 16 30.56 | −30 4.5 | 1.949 | 2.862 | 10.4 | 19.1 |
| 5 11 | 16 22.75 | −29 29.7 | 1.881 | 2.851 | 6.9 | 18.9 |
| 5 21 | 16 13.44 | −28 41.3 | 1.837 | 2.840 | 3.5 | 18.6 |
| 5 31 | 16 3.65 | −27 41.2 | 1.822 | 2.828 | 3.1 | 18.6 |
| 6 10 | 15 54.48 | −26 33.6 | 1.834 | 2.817 | 6.5 | 18.8 |
| 6 20 | 15 46.87 | −25 24.2 | 1.873 | 2.804 | 10.2 | 19.0 |
| 6 30 | 15 41.53 | −24 18.5 | 1.935 | 2.792 | 13.5 | 19.1 |

**154890** 2004 $RH_{174}$ 5 25.3 197°.87 0°.2/25.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.82 | −23 7.2 | 2.495 | 3.338 | 10.9 | 20.4 |
| 5 1 | 16 26.85 | −22 48.1 | 2.413 | 3.338 | 8.1 | 20.2 |
| 5 11 | 16 20.27 | −22 23.3 | 2.356 | 3.337 | 5.0 | 20.0 |
| 5 21 | 16 12.64 | −21 53.8 | 2.326 | 3.336 | 1.6 | 19.8 |
| 5 31 | 16 4.71 | −21 21.3 | 2.325 | 3.334 | 2.0 | 19.8 |
| 6 10 | 15 57.26 | −20 48.5 | 2.352 | 3.333 | 5.3 | 20.0 |
| 6 20 | 15 50.96 | −20 17.9 | 2.406 | 3.332 | 8.5 | 20.2 |
| 6 30 | 15 46.31 | −19 52.1 | 2.483 | 3.330 | 11.2 | 20.4 |

**81007** 2000 $EV_{33}$ 5 25.3 53°.56 2°.2/24.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.50 | −15 42.7 | 1.528 | 2.392 | 15.4 | 18.8 |
| 5 1 | 16 31.13 | −15 42.3 | 1.462 | 2.397 | 11.5 | 18.5 |
| 5 11 | 16 23.21 | −15 42.7 | 1.418 | 2.401 | 7.1 | 18.3 |
| 5 21 | 16 13.60 | −15 44.9 | 1.398 | 2.406 | 2.9 | 18.0 |
| 5 31 | 16 3.47 | −15 50.6 | 1.404 | 2.411 | 3.8 | 18.1 |
| 6 10 | 15 54.14 | −16 1.5 | 1.436 | 2.415 | 8.2 | 18.4 |
| 6 20 | 15 46.64 | −16 18.8 | 1.492 | 2.420 | 12.5 | 18.6 |
| 6 30 | 15 41.72 | −16 43.5 | 1.568 | 2.425 | 16.1 | 18.9 |

**479247** 2013 $EB_{11}$ 5 25.3 163°.77 2°.5/26.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.93 | −31 20.9 | 2.990 | 3.804 | 10.0 | 22.3 |
| 5 1 | 16 28.21 | −31 16.9 | 2.908 | 3.809 | 7.8 | 22.2 |
| 5 11 | 16 21.00 | −31 3.9 | 2.851 | 3.814 | 5.3 | 22.0 |
| 5 21 | 16 12.85 | −30 41.7 | 2.821 | 3.818 | 3.0 | 21.9 |
| 5 31 | 16 4.46 | −30 11.0 | 2.820 | 3.822 | 2.7 | 21.9 |
| 6 10 | 15 56.54 | −29 34.0 | 2.849 | 3.825 | 4.8 | 22.0 |
| 6 20 | 15 49.71 | −28 53.6 | 2.905 | 3.828 | 7.3 | 22.2 |
| 6 30 | 15 44.45 | −28 13.0 | 2.986 | 3.831 | 9.6 | 22.3 |

**395955** 2013 $AP_{135}$ 5 25.3 325°.86 4°.7/22.9 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 30.81 | − 8 46.3 | 2.150 | 3.004 | 11.9 | 21.3 |
| 5 1 | 16 26.24 | − 8 5.3 | 2.077 | 3.001 | 9.2 | 21.1 |
| 5 11 | 16 19.95 | − 7 28.1 | 2.027 | 2.998 | 6.5 | 20.9 |
| 5 21 | 16 12.56 | − 6 58.0 | 2.003 | 2.995 | 4.7 | 20.8 |
| 5 31 | 16 4.83 | − 6 38.0 | 2.007 | 2.992 | 5.6 | 20.8 |
| 6 10 | 15 57.59 | − 6 30.2 | 2.036 | 2.990 | 8.1 | 21.0 |
| 6 20 | 15 51.54 | − 6 35.5 | 2.091 | 2.987 | 11.0 | 21.2 |
| 6 30 | 15 47.23 | − 6 53.6 | 2.166 | 2.984 | 13.6 | 21.3 |

**61966** 2000 $RU_{22}$ 5 25.3 248°.19 0°.7/24.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.35 | −20 41.7 | 2.121 | 2.969 | 12.4 | 20.8 |
| 5 1 | 16 29.86 | −20 15.7 | 2.025 | 2.952 | 9.3 | 20.6 |
| 5 11 | 16 22.31 | −19 44.1 | 1.952 | 2.934 | 5.7 | 20.3 |
| 5 21 | 16 13.32 | −19 8.2 | 1.906 | 2.916 | 1.8 | 20.0 |
| 5 31 | 16 3.79 | −18 30.3 | 1.889 | 2.897 | 2.6 | 20.1 |
| 6 10 | 15 54.71 | −17 53.7 | 1.900 | 2.878 | 6.6 | 20.3 |
| 6 20 | 15 46.94 | −17 21.7 | 1.936 | 2.858 | 10.4 | 20.5 |
| 6 30 | 15 41.19 | −16 57.4 | 1.996 | 2.838 | 13.7 | 20.7 |

**117407** 2005 $AD_{11}$ 5 25.3 86°.81 4°.1/26.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.25 | −31 47.2 | 1.989 | 2.813 | 14.0 | 19.7 |
| 5 1 | 16 32.80 | −32 20.4 | 1.929 | 2.833 | 10.9 | 19.6 |
| 5 11 | 16 24.04 | −32 42.1 | 1.891 | 2.853 | 7.6 | 19.4 |
| 5 21 | 16 13.81 | −32 50.0 | 1.879 | 2.873 | 4.7 | 19.3 |
| 5 31 | 16 3.24 | −32 43.7 | 1.895 | 2.892 | 4.4 | 19.3 |
| 6 10 | 15 53.49 | −32 25.7 | 1.937 | 2.912 | 6.9 | 19.5 |
| 6 20 | 15 45.51 | −32 0.1 | 2.005 | 2.931 | 9.9 | 19.7 |
| 6 30 | 15 39.93 | −31 31.8 | 2.096 | 2.949 | 12.8 | 19.9 |

**309725** 2008 $HL_{67}$ 5 25.3 115°.64 3°.2/23.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.69 | −12 8.0 | 2.459 | 3.311 | 10.7 | 21.3 |
| 5 1 | 16 25.92 | −11 31.4 | 2.388 | 3.315 | 8.1 | 21.2 |
| 5 11 | 16 19.65 | −10 56.2 | 2.342 | 3.319 | 5.3 | 21.0 |
| 5 21 | 16 12.45 | −10 24.7 | 2.323 | 3.322 | 3.3 | 20.9 |
| 5 31 | 16 5.00 | − 9 59.5 | 2.332 | 3.326 | 4.1 | 20.9 |
| 6 10 | 15 58.03 | − 9 42.7 | 2.369 | 3.330 | 6.7 | 21.1 |
| 6 20 | 15 52.12 | − 9 35.4 | 2.431 | 3.333 | 9.4 | 21.3 |
| 6 30 | 15 47.78 | − 9 38.2 | 2.516 | 3.337 | 11.9 | 21.4 |

**202856** 2008 $TN_{116}$ 5 25.3 216°.11 3°.0/26.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.59 | −29 50.6 | 2.099 | 2.930 | 13.1 | 20.7 |
| 5 1 | 16 30.89 | −30 3.4 | 2.014 | 2.925 | 10.2 | 20.5 |
| 5 11 | 16 22.96 | −30 6.1 | 1.952 | 2.921 | 6.9 | 20.3 |
| 5 21 | 16 13.52 | −29 57.4 | 1.916 | 2.916 | 3.8 | 20.1 |
| 5 31 | 16 3.57 | −29 37.3 | 1.907 | 2.911 | 3.5 | 20.1 |
| 6 10 | 15 54.19 | −29 8.4 | 1.926 | 2.906 | 6.5 | 20.2 |
| 6 20 | 15 46.32 | −28 34.5 | 1.971 | 2.900 | 9.9 | 20.4 |
| 6 30 | 15 40.68 | −28 0.1 | 2.038 | 2.894 | 13.0 | 20.6 |

**281420** 2008 $RH_{129}$ 5 25.3 243°.88 1°.1/24.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.97 | −19 36.2 | 2.046 | 2.899 | 12.5 | 21.6 |
| 5 1 | 16 28.81 | −19 11.0 | 1.961 | 2.891 | 9.4 | 21.4 |
| 5 11 | 16 21.63 | −18 41.4 | 1.899 | 2.882 | 5.7 | 21.1 |
| 5 21 | 16 13.11 | −18 8.9 | 1.863 | 2.873 | 1.9 | 20.9 |
| 5 31 | 16 4.12 | −17 36.1 | 1.856 | 2.863 | 2.8 | 20.9 |
| 6 10 | 15 55.65 | −17 6.0 | 1.876 | 2.854 | 6.7 | 21.1 |
| 6 20 | 15 48.55 | −16 41.5 | 1.921 | 2.844 | 10.4 | 21.4 |
| 6 30 | 15 43.45 | −16 25.2 | 1.989 | 2.834 | 13.6 | 21.5 |

**377628** 2005 $SO_{252}$ 5 25.3 293°.71 0°.5/25.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.10 | −23 0.9 | 2.124 | 2.973 | 12.3 | 21.0 |
| 5 1 | 16 28.30 | −22 59.1 | 2.024 | 2.951 | 9.3 | 20.8 |
| 5 11 | 16 21.43 | −22 51.9 | 1.948 | 2.929 | 5.8 | 20.5 |
| 5 21 | 16 13.08 | −22 39.2 | 1.898 | 2.907 | 1.9 | 20.2 |
| 5 31 | 16 4.12 | −22 22.2 | 1.875 | 2.885 | 2.3 | 20.2 |
| 6 10 | 15 55.54 | −22 3.0 | 1.880 | 2.863 | 6.3 | 20.4 |
| 6 20 | 15 48.23 | −21 44.4 | 1.911 | 2.841 | 10.1 | 20.6 |
| 6 30 | 15 42.91 | −21 29.6 | 1.964 | 2.819 | 13.4 | 20.8 |

**216094** 2006 $QK_{168}$ 5 25.3 294°.42 2°.5/24.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.53 | −15 55.8 | 1.458 | 2.327 | 15.7 | 20.1 |
| 5 1 | 16 30.71 | −15 43.5 | 1.379 | 2.316 | 11.9 | 19.8 |
| 5 11 | 16 23.16 | −15 30.8 | 1.321 | 2.306 | 7.4 | 19.6 |
| 5 21 | 16 13.65 | −15 19.6 | 1.287 | 2.295 | 3.1 | 19.3 |
| 5 31 | 16 3.39 | −15 12.5 | 1.278 | 2.284 | 4.2 | 19.3 |
| 6 10 | 15 53.78 | −15 12.0 | 1.295 | 2.274 | 8.9 | 19.5 |
| 6 20 | 15 46.00 | −15 20.4 | 1.334 | 2.264 | 13.5 | 19.8 |
| 6 30 | 15 40.94 | −15 39.0 | 1.393 | 2.254 | 17.5 | 20.0 |

**230369** 2002 $EU_{155}$ 5 25.3 148°.56 1°.7/26.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.20 | −26 31.3 | 2.163 | 2.998 | 12.6 | 21.5 |
| 5 1 | 16 31.09 | −26 36.8 | 2.089 | 3.006 | 9.6 | 21.3 |
| 5 11 | 16 22.95 | −26 34.4 | 2.039 | 3.014 | 6.1 | 21.1 |
| 5 21 | 16 13.50 | −26 23.6 | 2.015 | 3.020 | 2.7 | 20.9 |
| 5 31 | 16 3.68 | −26 5.2 | 2.019 | 3.027 | 2.6 | 20.9 |
| 6 10 | 15 54.50 | −25 41.7 | 2.052 | 3.033 | 6.0 | 21.1 |
| 6 20 | 15 46.80 | −25 16.3 | 2.110 | 3.038 | 9.4 | 21.4 |
| 6 30 | 15 41.19 | −24 52.6 | 2.193 | 3.043 | 12.4 | 21.6 |

**186349** 2002 $EQ_{150}$ 5 25.3 159°.14 0°.9/24.8 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 32.08 | −18 33.4 | 2.667 | 3.512 | 10.2 | 20.9 |
| 5 1 | 16 26.90 | −18 19.6 | 2.590 | 3.516 | 7.6 | 20.7 |
| 5 11 | 16 20.24 | −18 3.5 | 2.538 | 3.520 | 4.6 | 20.6 |
| 5 21 | 16 12.65 | −17 46.3 | 2.514 | 3.523 | 1.6 | 20.3 |
| 5 31 | 16 4.79 | −17 29.5 | 2.519 | 3.526 | 2.2 | 20.4 |
| 6 10 | 15 57.37 | −17 14.9 | 2.552 | 3.529 | 5.3 | 20.6 |
| 6 20 | 15 51.00 | −17 4.1 | 2.613 | 3.531 | 8.2 | 20.8 |
| 6 30 | 15 46.15 | −16 58.7 | 2.697 | 3.534 | 10.7 | 21.0 |

**117037** 2004 $JO_{24}$ 5 25.3 323°.76 0°.2/25.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.93 | −21 1.6 | 1.846 | 2.706 | 13.4 | 19.7 |
| 5 1 | 16 27.59 | −20 56.7 | 1.760 | 2.693 | 10.0 | 19.4 |
| 5 11 | 16 21.05 | −20 47.4 | 1.696 | 2.680 | 6.1 | 19.2 |
| 5 21 | 16 12.97 | −20 34.2 | 1.658 | 2.668 | 1.9 | 18.9 |
| 5 31 | 16 4.32 | −20 18.8 | 1.646 | 2.656 | 2.6 | 18.9 |
| 6 10 | 15 56.18 | −20 3.7 | 1.661 | 2.644 | 6.9 | 19.1 |
| 6 20 | 15 49.48 | −19 51.6 | 1.700 | 2.633 | 10.9 | 19.3 |
| 6 30 | 15 44.96 | −19 45.2 | 1.761 | 2.623 | 14.4 | 19.5 |

**159953** 2005 $YW_{120}$ 5 25.3 4°.94 0°.8/25.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.72 | −19 25.6 | 1.663 | 2.525 | 14.5 | 20.1 |
| 5 1 | 16 29.73 | −19 22.9 | 1.591 | 2.525 | 10.8 | 19.9 |
| 5 11 | 16 22.35 | −19 17.0 | 1.541 | 2.525 | 6.6 | 19.7 |
| 5 21 | 16 13.36 | −19 8.7 | 1.516 | 2.526 | 2.1 | 19.4 |
| 5 31 | 16 3.87 | −18 59.8 | 1.517 | 2.526 | 2.9 | 19.4 |
| 6 10 | 15 55.06 | −18 52.6 | 1.545 | 2.527 | 7.4 | 19.7 |
| 6 20 | 15 47.94 | −18 49.5 | 1.596 | 2.528 | 11.6 | 19.9 |
| 6 30 | 15 43.23 | −18 52.9 | 1.669 | 2.529 | 15.1 | 20.2 |

**301398** 2009 $DF_{32}$ 5 25.3 353°.54 0°.7/25.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.94 | −19 42.6 | 1.997 | 2.853 | 12.7 | 20.5 |
| 5 1 | 16 28.06 | −19 36.2 | 1.921 | 2.852 | 9.4 | 20.3 |
| 5 11 | 16 21.18 | −19 26.7 | 1.868 | 2.851 | 5.7 | 20.1 |
| 5 21 | 16 12.98 | −19 14.8 | 1.841 | 2.851 | 1.8 | 19.8 |
| 5 31 | 16 4.37 | −19 2.3 | 1.841 | 2.850 | 2.5 | 19.9 |
| 6 10 | 15 56.31 | −18 51.2 | 1.869 | 2.850 | 6.5 | 20.1 |
| 6 20 | 15 49.65 | −18 43.8 | 1.921 | 2.850 | 10.1 | 20.3 |
| 6 30 | 15 44.99 | −18 42.1 | 1.996 | 2.850 | 13.3 | 20.5 |

**289768** 2005 $JQ_{83}$ 5 25.3 6°.68 3°.0/24.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.97 | −17 30.4 | 1.299 | 2.178 | 16.6 | 20.2 |
| 5 1 | 16 28.84 | −16 39.3 | 1.235 | 2.178 | 12.4 | 20.0 |
| 5 11 | 16 21.96 | −15 43.5 | 1.192 | 2.179 | 7.7 | 19.7 |
| 5 21 | 16 13.27 | −14 47.4 | 1.172 | 2.180 | 3.4 | 19.5 |
| 5 31 | 16 4.07 | −13 56.5 | 1.177 | 2.182 | 4.8 | 19.6 |
| 6 10 | 15 55.77 | −13 16.1 | 1.205 | 2.184 | 9.5 | 19.8 |
| 6 20 | 15 49.49 | −12 50.2 | 1.256 | 2.187 | 14.1 | 20.1 |
| 6 30 | 15 45.97 | −12 40.7 | 1.325 | 2.191 | 18.0 | 20.3 |

**55106** 2001 $QR_{141}$ 5 25.3 174°.03 1°.2/24.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.33 | −18 14.2 | 2.313 | 3.162 | 11.4 | 19.8 |
| 5 1 | 16 28.06 | −17 59.7 | 2.235 | 3.163 | 8.5 | 19.6 |
| 5 11 | 16 21.06 | −17 43.0 | 2.182 | 3.164 | 5.2 | 19.4 |
| 5 21 | 16 12.94 | −17 25.3 | 2.156 | 3.165 | 1.8 | 19.2 |
| 5 31 | 16 4.48 | −17 8.2 | 2.158 | 3.165 | 2.6 | 19.3 |
| 6 10 | 15 56.53 | −16 53.9 | 2.189 | 3.166 | 6.0 | 19.5 |
| 6 20 | 15 49.78 | −16 44.3 | 2.245 | 3.166 | 9.3 | 19.7 |
| 6 30 | 15 44.80 | −16 41.0 | 2.325 | 3.166 | 12.1 | 19.9 |

**229632** 2006 $ED_{32}$ 5 25.3 133°.57 2°.5/26.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.31 | −29 8.9 | 2.154 | 2.983 | 12.9 | 21.0 |
| 5 1 | 16 31.19 | −29 11.6 | 2.082 | 2.994 | 9.9 | 20.8 |
| 5 11 | 16 23.02 | −29 4.2 | 2.034 | 3.004 | 6.5 | 20.6 |
| 5 21 | 16 13.54 | −28 46.2 | 2.012 | 3.014 | 3.3 | 20.4 |
| 5 31 | 16 3.73 | −28 18.5 | 2.018 | 3.024 | 3.0 | 20.4 |
| 6 10 | 15 54.63 | −27 44.0 | 2.052 | 3.033 | 6.1 | 20.6 |
| 6 20 | 15 47.06 | −27 6.5 | 2.113 | 3.041 | 9.3 | 20.9 |
| 6 30 | 15 41.63 | −26 30.4 | 2.197 | 3.049 | 12.3 | 21.1 |

**460424** 2014 $SH_{154}$ 5 25.3 68°.77 2°.6/24.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.49 | −18 30.7 | 1.391 | 2.262 | 16.2 | 20.5 |
| 5 1 | 16 30.51 | −17 33.0 | 1.327 | 2.266 | 12.1 | 20.2 |
| 5 11 | 16 22.88 | −16 29.4 | 1.285 | 2.271 | 7.4 | 20.0 |
| 5 21 | 16 13.54 | −15 24.0 | 1.267 | 2.275 | 3.1 | 19.7 |
| 5 31 | 16 3.77 | −14 22.5 | 1.275 | 2.280 | 4.5 | 19.8 |
| 6 10 | 15 54.94 | −13 30.8 | 1.307 | 2.285 | 9.1 | 20.1 |
| 6 20 | 15 48.11 | −12 53.1 | 1.362 | 2.289 | 13.5 | 20.4 |
| 6 30 | 15 43.98 | −12 31.8 | 1.437 | 2.294 | 17.3 | 20.6 |

**501516** 2014 $DG_{127}$ 5 25.3 105°.66 3°.8/23.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.34 | −11 20.5 | 2.253 | 3.105 | 11.6 | 21.8 |
| 5 1 | 16 27.20 | −10 35.7 | 2.191 | 3.117 | 8.7 | 21.7 |
| 5 11 | 16 20.45 | − 9 53.0 | 2.153 | 3.128 | 5.8 | 21.5 |
| 5 21 | 16 12.74 | − 9 15.3 | 2.143 | 3.140 | 3.9 | 21.4 |
| 5 31 | 16 4.81 | − 8 45.4 | 2.160 | 3.151 | 4.7 | 21.5 |
| 6 10 | 15 57.45 | − 8 25.8 | 2.204 | 3.162 | 7.3 | 21.6 |
| 6 20 | 15 51.30 | − 8 17.5 | 2.274 | 3.173 | 10.1 | 21.8 |
| 6 30 | 15 46.86 | − 8 20.8 | 2.366 | 3.183 | 12.6 | 22.0 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **97044** 1999 $UL_{26}$ | | | 5 25.3 236°.70 | | 1°.5/26.0 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.29 | −26 7.1 | 2.388 | 3.221 | 11.7 | 20.4 |
| 5 1 | 16 30.45 | −26 7.7 | 2.289 | 3.206 | 8.9 | 20.2 |
| 5 11 | 16 22.65 | −26 1.1 | 2.215 | 3.190 | 5.7 | 20.0 |
| 5 21 | 16 13.48 | −25 46.7 | 2.168 | 3.174 | 2.4 | 19.8 |
| 5 31 | 16 3.77 | −25 25.3 | 2.149 | 3.157 | 2.4 | 19.7 |
| 6 10 | 15 54.48 | −24 58.9 | 2.159 | 3.140 | 5.8 | 19.9 |
| 6 20 | 15 46.42 | −24 30.8 | 2.196 | 3.122 | 9.2 | 20.1 |
| 6 30 | 15 40.28 | −24 4.2 | 2.256 | 3.103 | 12.2 | 20.3 |
| **281822** 2009 $XE_{24}$ | | | 5 25.3 129°.33 | | 2°.2/24.4 15 | |
| 4 21 | 16 36.68 | −14 11.0 | 2.432 | 3.273 | 11.2 | 22.1 |
| 5 1 | 16 30.28 | −13 59.4 | 2.369 | 3.292 | 8.3 | 21.9 |
| 5 11 | 16 22.28 | −13 48.5 | 2.331 | 3.309 | 5.2 | 21.8 |
| 5 21 | 16 13.29 | −13 39.7 | 2.322 | 3.326 | 2.5 | 21.6 |
| 5 31 | 16 4.10 | −13 34.3 | 2.341 | 3.343 | 3.2 | 21.7 |
| 6 10 | 15 55.50 | −13 33.9 | 2.389 | 3.358 | 6.1 | 21.9 |
| 6 20 | 15 48.14 | −13 39.4 | 2.465 | 3.373 | 9.1 | 22.1 |
| 6 30 | 15 42.51 | −13 51.4 | 2.564 | 3.387 | 11.6 | 22.3 |
| **303741** 2005 $QB_{83}$ | | | 5 25.3 292°.90 | | 3°.7/27.0 18 | |
| 4 21 | 16 34.30 | −31 51.0 | 2.146 | 2.974 | 12.9 | 20.6 |
| 5 1 | 16 29.31 | −32 5.4 | 2.051 | 2.959 | 10.2 | 20.4 |
| 5 11 | 16 22.10 | −32 8.9 | 1.979 | 2.943 | 7.1 | 20.2 |
| 5 21 | 16 13.34 | −31 59.5 | 1.932 | 2.928 | 4.4 | 20.0 |
| 5 31 | 16 3.97 | −31 37.3 | 1.912 | 2.912 | 4.0 | 19.9 |
| 6 10 | 15 55.08 | −31 4.3 | 1.919 | 2.897 | 6.6 | 20.0 |
| 6 20 | 15 47.63 | −30 24.7 | 1.951 | 2.882 | 9.9 | 20.2 |
| 6 30 | 15 42.34 | −29 43.2 | 2.007 | 2.867 | 13.0 | 20.4 |
| **384894** 2012 $TL_{21}$ | | | 5 25.3 301°.39 | | 0°.9/24.9 17 | |
| 4 21 | 16 33.08 | −20 23.5 | 1.835 | 2.694 | 13.5 | 20.8 |
| 5 1 | 16 28.36 | −19 56.0 | 1.754 | 2.687 | 10.1 | 20.6 |
| 5 11 | 16 21.47 | −19 23.2 | 1.696 | 2.680 | 6.1 | 20.4 |
| 5 21 | 16 13.12 | −18 46.6 | 1.663 | 2.673 | 2.0 | 20.1 |
| 5 31 | 16 4.29 | −18 9.1 | 1.658 | 2.666 | 2.9 | 20.1 |
| 6 10 | 15 56.06 | −17 34.3 | 1.679 | 2.659 | 7.1 | 20.4 |
| 6 20 | 15 49.32 | −17 5.8 | 1.724 | 2.653 | 11.1 | 20.6 |
| 6 30 | 15 44.76 | −16 46.2 | 1.792 | 2.647 | 14.5 | 20.8 |
| **129720** 1998 $UZ_{30}$ | | | 5 25.3 264°.99 | | 1°.1/24.9 18 | |
| 4 21 | 16 36.25 | −16 58.3 | 2.085 | 2.934 | 12.5 | 19.6 |
| 5 1 | 16 30.61 | −17 12.7 | 1.992 | 2.920 | 9.4 | 19.3 |
| 5 11 | 16 22.85 | −17 27.4 | 1.923 | 2.905 | 5.8 | 19.1 |
| 5 21 | 16 13.57 | −17 42.6 | 1.881 | 2.890 | 2.0 | 18.8 |
| 5 31 | 16 3.66 | −17 58.8 | 1.867 | 2.875 | 2.7 | 18.8 |
| 6 10 | 15 54.14 | −18 16.7 | 1.881 | 2.859 | 6.7 | 19.1 |
| 6 20 | 15 45.92 | −18 37.4 | 1.920 | 2.844 | 10.4 | 19.3 |
| 6 30 | 15 39.72 | −19 2.2 | 1.983 | 2.828 | 13.7 | 19.4 |
| **334896** 2003 $WS_{65}$ | | | 5 25.3 134°.10 | | 0°.5/25.2 18 | |
| 4 21 | 16 37.86 | −18 12.3 | 2.254 | 3.095 | 11.9 | 20.8 |
| 5 1 | 16 31.47 | −18 37.2 | 2.181 | 3.104 | 8.9 | 20.7 |
| 5 11 | 16 23.17 | −19 1.3 | 2.132 | 3.113 | 5.4 | 20.5 |
| 5 21 | 16 13.62 | −19 24.3 | 2.112 | 3.121 | 1.7 | 20.2 |
| 5 31 | 16 3.68 | −19 46.2 | 2.120 | 3.129 | 2.3 | 20.3 |
| 6 10 | 15 54.28 | −20 7.5 | 2.158 | 3.136 | 5.9 | 20.5 |
| 6 20 | 15 46.21 | −20 29.1 | 2.222 | 3.144 | 9.3 | 20.7 |
| 6 30 | 15 40.08 | −20 52.4 | 2.310 | 3.151 | 12.2 | 20.9 |
| **505** Cava | | | 5 25.3 171°.35 | | 2°.0/24.4 18 | |
| 4 21 | 16 35.75 | −14 52.3 | 2.485 | 3.327 | 11.0 | 14.1 |
| 5 1 | 16 29.70 | −14 42.0 | 2.408 | 3.331 | 8.2 | 13.8 |
| 5 11 | 16 22.00 | −14 32.0 | 2.356 | 3.335 | 5.1 | 13.6 |
| 5 21 | 16 13.24 | −14 23.3 | 2.332 | 3.337 | 2.3 | 13.4 |
| 5 31 | 16 4.17 | −14 17.5 | 2.337 | 3.340 | 3.1 | 13.5 |
| 6 10 | 15 55.58 | −14 16.1 | 2.371 | 3.341 | 6.1 | 13.7 |
| 6 20 | 15 48.15 | −14 20.2 | 2.432 | 3.342 | 9.1 | 13.9 |
| 6 30 | 15 42.40 | −14 30.7 | 2.516 | 3.342 | 11.7 | 14.1 |
| **69576** 1998 $BQ_{46}$ | | | 5 25.3 354°.85 | | 2°.7/26.2 18 | |
| 4 21 | 16 34.75 | −27 2.2 | 1.220 | 2.091 | 18.1 | 19.1 |
| 5 1 | 16 30.70 | −27 11.8 | 1.152 | 2.088 | 13.9 | 18.8 |
| 5 11 | 16 23.39 | −27 9.2 | 1.104 | 2.085 | 9.0 | 18.5 |
| 5 21 | 16 13.80 | −26 52.9 | 1.077 | 2.084 | 4.1 | 18.2 |
| 5 31 | 16 3.44 | −26 24.1 | 1.074 | 2.083 | 3.9 | 18.2 |
| 6 10 | 15 54.06 | −25 47.2 | 1.094 | 2.082 | 8.8 | 18.5 |
| 6 20 | 15 47.02 | −25 8.8 | 1.136 | 2.083 | 13.7 | 18.8 |
| 6 30 | 15 43.25 | −24 34.9 | 1.197 | 2.084 | 18.1 | 19.0 |
| **8274** Soejima | | | 5 25.3 225°.80 | | 0°.5/25.2 18 | |
| 4 21 | 16 39.02 | −20 16.4 | 1.817 | 2.666 | 14.0 | 18.5 |
| 5 1 | 16 32.93 | −20 10.6 | 1.728 | 2.655 | 10.6 | 18.3 |
| 5 11 | 16 24.37 | −20 0.5 | 1.662 | 2.644 | 6.5 | 18.0 |
| 5 21 | 16 14.06 | −19 46.6 | 1.623 | 2.632 | 2.0 | 17.7 |
| 5 31 | 16 3.07 | −19 30.3 | 1.610 | 2.619 | 2.8 | 17.7 |
| 6 10 | 15 52.63 | −19 14.3 | 1.626 | 2.606 | 7.4 | 18.0 |
| 6 20 | 15 43.80 | −19 1.6 | 1.666 | 2.592 | 11.6 | 18.2 |
| 6 30 | 15 37.38 | −18 55.1 | 1.729 | 2.577 | 15.3 | 18.4 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **414138** 2007 $VB_{217}$ | | | 5 25.3 6°.14 | | 2°.1/25.7 17 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 37.97 | −23 10.5 | 1.263 | 2.132 | 17.7 | 20.6 |
| 5 1 | 16 33.03 | −23 58.0 | 1.196 | 2.132 | 13.4 | 20.3 |
| 5 11 | 16 24.82 | −24 41.1 | 1.149 | 2.132 | 8.5 | 20.0 |
| 5 21 | 16 14.25 | −25 16.8 | 1.125 | 2.133 | 3.4 | 19.7 |
| 5 31 | 16 2.83 | −25 43.2 | 1.126 | 2.135 | 3.7 | 19.8 |
| 6 10 | 15 52.28 | −26 1.3 | 1.150 | 2.137 | 8.8 | 20.0 |
| 6 20 | 15 44.05 | −26 13.9 | 1.197 | 2.140 | 13.6 | 20.3 |
| 6 30 | 15 39.09 | −26 25.4 | 1.263 | 2.143 | 17.8 | 20.6 |
| **263315** 2008 $CQ_{39}$ | | | 5 25.3 143°.46 | | 3°.5/23.9 17 | |
| 4 21 | 16 36.57 | −13 42.6 | 1.739 | 2.596 | 14.2 | 21.6 |
| 5 1 | 16 30.84 | −13 7.9 | 1.673 | 2.603 | 10.6 | 21.4 |
| 5 11 | 16 22.91 | −12 33.8 | 1.630 | 2.610 | 6.8 | 21.2 |
| 5 21 | 16 13.55 | −12 3.2 | 1.612 | 2.615 | 3.7 | 21.0 |
| 5 31 | 16 3.83 | −11 39.5 | 1.621 | 2.621 | 4.7 | 21.0 |
| 6 10 | 15 54.84 | −11 25.4 | 1.657 | 2.626 | 8.3 | 21.3 |
| 6 20 | 15 47.49 | −11 22.6 | 1.717 | 2.631 | 12.0 | 21.5 |
| 6 30 | 15 42.42 | −11 31.8 | 1.799 | 2.635 | 15.2 | 21.7 |
| **303825** 2005 $SX_{113}$ | | | 5 25.3 168°.56 | | 3°.6/27.3 18 | |
| 4 21 | 16 35.48 | −33 49.2 | 2.869 | 3.673 | 10.6 | 21.4 |
| 5 1 | 16 29.58 | −34 11.2 | 2.786 | 3.677 | 8.4 | 21.2 |
| 5 11 | 16 21.97 | −34 23.6 | 2.727 | 3.679 | 6.1 | 21.1 |
| 5 21 | 16 13.26 | −34 25.0 | 2.695 | 3.682 | 4.1 | 21.0 |
| 5 31 | 16 4.18 | −34 15.1 | 2.692 | 3.684 | 3.8 | 20.9 |
| 6 10 | 15 55.56 | −33 55.5 | 2.717 | 3.686 | 5.5 | 21.0 |
| 6 20 | 15 48.11 | −33 29.0 | 2.769 | 3.687 | 7.8 | 21.2 |
| 6 30 | 15 42.37 | −32 59.0 | 2.846 | 3.688 | 10.1 | 21.4 |
| **264205** 2010 $OK_{52}$ | | | 5 25.3 144°.52 | | 4°.3/27.6 18 | |
| 4 21 | 16 40.85 | −34 28.1 | 2.051 | 2.863 | 14.0 | 21.4 |
| 5 1 | 16 34.02 | −34 33.7 | 1.979 | 2.874 | 11.1 | 21.3 |
| 5 11 | 16 24.82 | −34 24.8 | 1.929 | 2.885 | 7.9 | 21.1 |
| 5 21 | 16 14.13 | −33 59.5 | 1.904 | 2.895 | 5.1 | 20.9 |
| 5 31 | 16 3.10 | −33 18.6 | 1.908 | 2.904 | 4.5 | 20.9 |
| 6 10 | 15 52.92 | −32 25.7 | 1.939 | 2.913 | 6.9 | 21.1 |
| 6 20 | 15 44.54 | −31 26.2 | 1.996 | 2.921 | 10.0 | 21.3 |
| 6 30 | 15 38.63 | −30 26.3 | 2.076 | 2.928 | 12.9 | 21.5 |
| **142001** 2002 $PW_{159}$ | | | 5 25.3 256°.91 | | 0°.4/25.5 18 | |
| 4 21 | 16 37.66 | −22 28.7 | 1.788 | 2.639 | 14.2 | 21.0 |
| 5 1 | 16 32.09 | −22 26.7 | 1.694 | 2.621 | 10.7 | 20.7 |
| 5 11 | 16 23.96 | −22 18.8 | 1.621 | 2.603 | 6.7 | 20.4 |
| 5 21 | 16 13.97 | −22 4.7 | 1.575 | 2.584 | 2.2 | 20.1 |
| 5 31 | 16 3.21 | −21 45.6 | 1.555 | 2.565 | 2.7 | 20.1 |
| 6 10 | 15 52.92 | −21 24.2 | 1.562 | 2.545 | 7.3 | 20.3 |
| 6 20 | 15 44.23 | −21 4.2 | 1.595 | 2.525 | 11.7 | 20.5 |
| 6 30 | 15 38.01 | −20 49.1 | 1.649 | 2.504 | 15.5 | 20.7 |
| **23805** 1998 $QB_{40}$ | | | 5 25.3 283°.11 | | 5°.8/22.4 18 | |
| 4 21 | 16 32.53 | − 7 43.9 | 1.922 | 2.777 | 13.1 | 18.3 |
| 5 1 | 16 27.87 | − 6 48.9 | 1.834 | 2.758 | 10.3 | 18.1 |
| 5 11 | 16 21.18 | − 5 57.3 | 1.770 | 2.738 | 7.5 | 17.9 |
| 5 21 | 16 13.07 | − 5 13.8 | 1.731 | 2.719 | 5.8 | 17.7 |
| 5 31 | 16 4.41 | − 4 42.6 | 1.718 | 2.699 | 6.8 | 17.7 |
| 6 10 | 15 56.19 | − 4 27.1 | 1.731 | 2.679 | 9.7 | 17.9 |
| 6 20 | 15 49.25 | − 4 28.7 | 1.768 | 2.659 | 12.9 | 18.0 |
| 6 30 | 15 44.30 | − 4 47.1 | 1.824 | 2.639 | 15.9 | 18.2 |
| **191283** 2003 $FX_{12}$ | | | 5 25.3 340°.15 | | 1°.4/25.8 18 | |
| 4 21 | 16 34.57 | −23 49.4 | 1.478 | 2.342 | 15.8 | 19.9 |
| 5 1 | 16 30.09 | −24 3.4 | 1.402 | 2.336 | 12.0 | 19.6 |
| 5 11 | 16 22.83 | −24 10.6 | 1.348 | 2.330 | 7.5 | 19.3 |
| 5 21 | 16 13.63 | −24 10.2 | 1.317 | 2.325 | 2.8 | 19.0 |
| 5 31 | 16 3.71 | −24 2.8 | 1.311 | 2.321 | 3.0 | 19.0 |
| 6 10 | 15 54.51 | −23 51.0 | 1.330 | 2.317 | 7.8 | 19.3 |
| 6 20 | 15 47.22 | −23 38.5 | 1.372 | 2.313 | 12.4 | 19.5 |
| 6 30 | 15 42.70 | −23 29.3 | 1.435 | 2.310 | 16.3 | 19.8 |
| **374287** 2005 $QT_{87}$ | | | 5 25.3 299°.77 | | 1°.3/25.9 17 | |
| 4 21 | 16 34.55 | −26 13.4 | 1.540 | 2.398 | 15.6 | 20.6 |
| 5 1 | 16 30.03 | −25 49.7 | 1.454 | 2.385 | 11.9 | 20.3 |
| 5 11 | 16 22.78 | −25 13.7 | 1.390 | 2.372 | 7.5 | 20.0 |
| 5 21 | 16 13.61 | −24 25.7 | 1.350 | 2.358 | 2.8 | 19.7 |
| 5 31 | 16 3.74 | −23 28.4 | 1.335 | 2.345 | 2.9 | 19.7 |
| 6 10 | 15 54.57 | −22 27.2 | 1.346 | 2.332 | 7.8 | 19.9 |
| 6 20 | 15 47.28 | −21 28.4 | 1.381 | 2.320 | 12.5 | 20.2 |
| 6 30 | 15 42.69 | −20 37.9 | 1.436 | 2.308 | 16.5 | 20.4 |
| **286258** 2001 $UB_{230}$ | | | 5 25.3 163°.13 | | 3°.3/23.4 18 | |
| 4 21 | 16 31.80 | −13 25.3 | 2.199 | 3.054 | 11.7 | 20.9 |
| 5 1 | 16 26.94 | −12 35.9 | 2.126 | 3.055 | 8.8 | 20.8 |
| 5 11 | 16 20.40 | −11 46.4 | 2.078 | 3.056 | 5.7 | 20.6 |
| 5 21 | 16 12.78 | −10 59.8 | 2.056 | 3.057 | 3.5 | 20.4 |
| 5 31 | 16 4.87 | −10 19.5 | 2.062 | 3.057 | 4.4 | 20.5 |
| 6 10 | 15 57.49 | − 9 48.5 | 2.095 | 3.058 | 7.3 | 20.7 |
| 6 20 | 15 51.32 | − 9 28.7 | 2.154 | 3.059 | 10.3 | 20.9 |
| 6 30 | 15 46.89 | − 9 21.0 | 2.234 | 3.059 | 13.1 | 21.0 |

**35725** Tramuntana 5 25.3 344°.63 4°.3/24.0 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 31.76 | −12 44.2 | 1.327 | 2.207 | 16.3 | 18.3 |
| 5 1 | 16 28.01 | −12 20.0 | 1.257 | 2.198 | 12.4 | 18.0 |
| 5 11 | 16 21.57 | −11 58.6 | 1.207 | 2.190 | 8.1 | 17.8 |
| 5 21 | 16 13.24 | −11 43.4 | 1.179 | 2.184 | 4.6 | 17.6 |
| 5 31 | 16 4.24 | −11 38.1 | 1.176 | 2.178 | 5.7 | 17.6 |
| 6 10 | 15 55.96 | −11 45.2 | 1.196 | 2.173 | 9.9 | 17.8 |
| 6 20 | 15 49.56 | −12 5.9 | 1.238 | 2.169 | 14.3 | 18.1 |
| 6 30 | 15 45.85 | −12 39.9 | 1.299 | 2.166 | 18.2 | 18.3 |

**324964** 2008 $AY_3$ 5 25.3 89°.71 3°.3/24.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.45 | −13 40.5 | 1.523 | 2.386 | 15.5 | 20.7 |
| 5 1 | 16 31.73 | −13 23.8 | 1.464 | 2.398 | 11.6 | 20.4 |
| 5 11 | 16 23.54 | −13 9.0 | 1.428 | 2.409 | 7.4 | 20.2 |
| 5 21 | 16 13.78 | −12 58.5 | 1.415 | 2.420 | 3.7 | 20.0 |
| 5 31 | 16 3.63 | −12 54.7 | 1.429 | 2.432 | 4.7 | 20.1 |
| 6 10 | 15 54.36 | −12 59.6 | 1.469 | 2.443 | 8.7 | 20.4 |
| 6 20 | 15 46.96 | −13 14.3 | 1.532 | 2.454 | 12.7 | 20.6 |
| 6 30 | 15 42.11 | −13 38.9 | 1.616 | 2.465 | 16.1 | 20.9 |

**39894** 1998 $FO_{13}$ 5 25.4 75°.24 0°.8/25.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.07 | −22 4.3 | 1.413 | 2.275 | 16.6 | 18.5 |
| 5 1 | 16 33.33 | −22 23.2 | 1.352 | 2.285 | 12.4 | 18.3 |
| 5 11 | 16 24.71 | −22 36.9 | 1.312 | 2.295 | 7.7 | 18.0 |
| 5 21 | 16 14.18 | −22 44.5 | 1.296 | 2.306 | 2.5 | 17.8 |
| 5 31 | 16 3.12 | −22 46.3 | 1.306 | 2.316 | 3.0 | 17.8 |
| 6 10 | 15 53.02 | −22 44.8 | 1.341 | 2.326 | 8.0 | 18.1 |
| 6 20 | 15 45.06 | −22 43.1 | 1.399 | 2.336 | 12.5 | 18.4 |
| 6 30 | 15 40.02 | −22 44.8 | 1.479 | 2.347 | 16.3 | 18.7 |

**431986** 2008 $UN_{209}$ 5 25.4 280°.25 1°.4/25.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.31 | −25 1.8 | 1.846 | 2.696 | 13.8 | 21.6 |
| 5 1 | 16 30.18 | −25 8.2 | 1.762 | 2.688 | 10.5 | 21.3 |
| 5 11 | 16 22.69 | −25 7.4 | 1.701 | 2.680 | 6.7 | 21.1 |
| 5 21 | 16 13.57 | −24 58.6 | 1.665 | 2.672 | 2.6 | 20.8 |
| 5 31 | 16 3.85 | −24 42.6 | 1.655 | 2.664 | 2.7 | 20.8 |
| 6 10 | 15 54.70 | −24 22.0 | 1.673 | 2.657 | 6.8 | 21.0 |
| 6 20 | 15 47.14 | −24 0.3 | 1.715 | 2.649 | 10.8 | 21.3 |
| 6 30 | 15 41.92 | −23 41.3 | 1.779 | 2.641 | 14.3 | 21.5 |

**233718** 2008 $SR_{131}$ 5 25.4 267°.71 0°.5/25.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.66 | −23 26.3 | 1.892 | 2.743 | 13.5 | 20.5 |
| 5 1 | 16 29.60 | −23 14.8 | 1.807 | 2.734 | 10.1 | 20.2 |
| 5 11 | 16 22.28 | −22 56.2 | 1.744 | 2.725 | 6.3 | 20.0 |
| 5 21 | 16 13.44 | −22 31.0 | 1.707 | 2.716 | 2.1 | 19.7 |
| 5 31 | 16 4.05 | −22 1.0 | 1.697 | 2.707 | 2.5 | 19.7 |
| 6 10 | 15 55.22 | −21 29.3 | 1.714 | 2.697 | 6.7 | 19.9 |
| 6 20 | 15 47.91 | −20 59.6 | 1.756 | 2.688 | 10.7 | 20.1 |
| 6 30 | 15 42.83 | −20 35.5 | 1.821 | 2.679 | 14.2 | 20.3 |

**425824** 2011 $ES_{10}$ 5 25.4 61°.85 5°.2/23.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.12 | −10 34.2 | 1.587 | 2.452 | 14.9 | 21.0 |
| 5 1 | 16 29.07 | − 9 41.5 | 1.534 | 2.466 | 11.3 | 20.8 |
| 5 11 | 16 21.82 | − 8 52.6 | 1.504 | 2.480 | 7.7 | 20.6 |
| 5 21 | 16 13.24 | − 8 11.9 | 1.498 | 2.494 | 5.3 | 20.5 |
| 5 31 | 16 4.39 | − 7 43.6 | 1.518 | 2.509 | 6.3 | 20.6 |
| 6 10 | 15 56.39 | − 7 30.4 | 1.563 | 2.523 | 9.5 | 20.8 |
| 6 20 | 15 50.09 | − 7 33.1 | 1.631 | 2.538 | 12.9 | 21.0 |
| 6 30 | 15 46.07 | − 7 51.0 | 1.719 | 2.553 | 15.9 | 21.3 |

**499164** 2009 $SC_{66}$ 5 25.4 203°.19 3°.0/23.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.01 | −14 33.9 | 1.920 | 2.776 | 13.1 | 22.4 |
| 5 1 | 16 29.63 | −13 58.9 | 1.843 | 2.773 | 9.9 | 22.2 |
| 5 11 | 16 22.19 | −13 23.3 | 1.790 | 2.770 | 6.3 | 22.0 |
| 5 21 | 16 13.39 | −12 49.8 | 1.763 | 2.767 | 3.3 | 21.8 |
| 5 31 | 16 4.16 | −12 21.6 | 1.763 | 2.764 | 4.3 | 21.8 |
| 6 10 | 15 55.52 | −12 1.4 | 1.790 | 2.760 | 7.8 | 22.0 |
| 6 20 | 15 48.32 | −11 51.5 | 1.842 | 2.756 | 11.3 | 22.2 |
| 6 30 | 15 43.20 | −11 53.0 | 1.916 | 2.751 | 14.5 | 22.4 |

**380164** 2000 $QF_{73}$ 5 25.4 270°.61 7°.7/28.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.30 | −40 35.0 | 1.905 | 2.701 | 15.6 | 20.6 |
| 5 1 | 16 34.52 | −41 20.1 | 1.809 | 2.683 | 13.1 | 20.4 |
| 5 11 | 16 25.69 | −41 48.4 | 1.734 | 2.665 | 10.5 | 20.2 |
| 5 21 | 16 14.60 | −41 54.6 | 1.682 | 2.647 | 8.3 | 20.0 |
| 5 31 | 16 2.54 | −41 35.8 | 1.655 | 2.628 | 7.8 | 19.9 |
| 6 10 | 15 51.07 | −40 53.5 | 1.653 | 2.610 | 9.4 | 20.0 |
| 6 20 | 15 41.57 | −39 53.3 | 1.676 | 2.591 | 12.2 | 20.1 |
| 6 30 | 15 35.04 | −38 43.3 | 1.720 | 2.572 | 15.2 | 20.3 |

**421125** 2013 $QL_{83}$ 5 25.4 328°.78 2°.2/24.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.59 | −15 55.6 | 1.168 | 2.054 | 17.6 | 19.9 |
| 5 1 | 16 29.28 | −16 3.4 | 1.087 | 2.033 | 13.4 | 19.6 |
| 5 11 | 16 22.74 | −16 13.3 | 1.026 | 2.014 | 8.4 | 19.3 |
| 5 21 | 16 13.74 | −16 26.6 | 0.986 | 1.995 | 3.2 | 18.9 |
| 5 31 | 16 3.63 | −16 45.0 | 0.970 | 1.978 | 4.3 | 18.9 |
| 6 10 | 15 54.09 | −17 9.9 | 0.975 | 1.962 | 10.0 | 19.2 |
| 6 20 | 15 46.63 | −17 42.6 | 1.002 | 1.947 | 15.4 | 19.4 |
| 6 30 | 15 42.40 | −18 23.9 | 1.046 | 1.933 | 20.1 | 19.6 |

**523641** 2010 $RO_{82}$ 5 25.4 118°.79 4°.9/28.1 18 C

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 46.50 | −38 21.3 | 2.831 | 3.600 | 11.6 | 22.7 |
| 5 1 | 16 37.63 | −38 55.2 | 2.769 | 3.631 | 9.4 | 22.5 |
| 5 11 | 16 26.80 | −39 15.7 | 2.732 | 3.661 | 7.1 | 22.4 |
| 5 21 | 16 14.77 | −39 20.5 | 2.722 | 3.690 | 5.3 | 22.3 |
| 5 31 | 16 2.51 | −39 8.9 | 2.742 | 3.718 | 4.9 | 22.4 |
| 6 10 | 15 51.04 | −38 43.2 | 2.792 | 3.745 | 6.2 | 22.5 |
| 6 20 | 15 41.14 | −38 7.1 | 2.870 | 3.770 | 8.2 | 22.6 |
| 6 30 | 15 33.39 | −37 25.6 | 2.973 | 3.794 | 10.2 | 22.8 |

**390762** 2003 $SN_{433}$ 5 25.4 215°.34 2°.1/26.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.43 | −26 40.9 | 2.117 | 2.954 | 12.8 | 21.3 |
| 5 1 | 16 30.77 | −26 57.5 | 2.033 | 2.951 | 9.7 | 21.1 |
| 5 11 | 16 22.95 | −27 6.8 | 1.973 | 2.947 | 6.3 | 20.9 |
| 5 21 | 16 13.67 | −27 7.7 | 1.938 | 2.943 | 2.9 | 20.7 |
| 5 31 | 16 3.86 | −27 0.2 | 1.931 | 2.938 | 2.8 | 20.7 |
| 6 10 | 15 54.59 | −26 46.3 | 1.953 | 2.934 | 6.2 | 20.9 |
| 6 20 | 15 46.75 | −26 29.0 | 2.000 | 2.929 | 9.7 | 21.1 |
| 6 30 | 15 41.05 | −26 11.9 | 2.070 | 2.924 | 12.9 | 21.3 |

**66275** 1999 $JX_8$ 5 25.4 316°.57 0°.5/25.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.12 | −22 4.9 | 1.182 | 2.063 | 17.8 | 19.1 |
| 5 1 | 16 29.88 | −22 9.6 | 1.093 | 2.036 | 13.6 | 18.7 |
| 5 11 | 16 23.25 | −22 7.6 | 1.023 | 2.010 | 8.5 | 18.4 |
| 5 21 | 16 13.96 | −21 58.8 | 0.975 | 1.985 | 2.8 | 17.9 |
| 5 31 | 16 3.37 | −21 44.3 | 0.950 | 1.960 | 3.5 | 17.9 |
| 6 10 | 15 53.29 | −21 27.4 | 0.947 | 1.936 | 9.6 | 18.1 |
| 6 20 | 15 45.34 | −21 13.1 | 0.965 | 1.913 | 15.4 | 18.4 |
| 6 30 | 15 40.78 | −21 6.1 | 1.000 | 1.892 | 20.5 | 18.6 |

**39520** 1988 $NY$ 5 25.4 333°.03 17°.9/22.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.13 | +16 5.8 | 1.218 | 2.027 | 21.9 | 17.5 |
| 5 1 | 16 32.29 | +16 53.5 | 1.156 | 2.011 | 20.1 | 17.3 |
| 5 11 | 16 24.33 | +17 6.2 | 1.109 | 1.997 | 18.7 | 17.2 |
| 5 21 | 16 14.18 | +16 33.6 | 1.080 | 1.983 | 17.9 | 17.1 |
| 5 31 | 16 3.23 | +15 9.6 | 1.069 | 1.971 | 18.4 | 17.1 |
| 6 10 | 15 53.08 | +12 55.9 | 1.076 | 1.959 | 19.9 | 17.1 |
| 6 20 | 15 45.06 | +10 1.0 | 1.102 | 1.949 | 22.1 | 17.2 |
| 6 30 | 15 40.10 | + 6 37.1 | 1.145 | 1.941 | 24.5 | 17.4 |

**488863** 2005 $SP_{85}$ 5 25.4 218°.13 5°.1/21.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.56 | − 4 37.8 | 2.913 | 3.749 | 9.7 | 22.6 |
| 5 1 | 16 25.70 | − 3 38.5 | 2.833 | 3.740 | 7.7 | 22.5 |
| 5 11 | 16 19.56 | − 2 43.6 | 2.778 | 3.732 | 5.9 | 22.3 |
| 5 21 | 16 12.58 | − 1 56.2 | 2.750 | 3.722 | 5.1 | 22.3 |
| 5 31 | 16 5.34 | − 1 19.2 | 2.751 | 3.713 | 5.8 | 22.3 |
| 6 10 | 15 58.44 | − 0 54.8 | 2.779 | 3.702 | 7.6 | 22.4 |
| 6 20 | 15 52.40 | − 0 43.9 | 2.833 | 3.692 | 9.6 | 22.5 |
| 6 30 | 15 47.66 | − 0 46.3 | 2.908 | 3.681 | 11.6 | 22.7 |

**358470** 2007 $NH_3$ 5 25.4 326°.20 9°.9/21.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.46 | − 5 38.5 | 1.081 | 1.968 | 18.6 | 20.0 |
| 5 1 | 16 27.57 | − 4 13.4 | 1.012 | 1.951 | 15.0 | 19.7 |
| 5 11 | 16 21.59 | − 2 55.5 | 0.962 | 1.934 | 11.6 | 19.5 |
| 5 21 | 16 13.38 | − 1 54.4 | 0.932 | 1.918 | 9.9 | 19.3 |
| 5 31 | 16 4.27 | − 1 19.3 | 0.923 | 1.903 | 11.4 | 19.3 |
| 6 10 | 15 55.89 | − 1 15.7 | 0.934 | 1.889 | 15.0 | 19.5 |
| 6 20 | 15 49.60 | − 1 44.2 | 0.963 | 1.876 | 19.2 | 19.7 |
| 6 30 | 15 46.38 | − 2 41.3 | 1.008 | 1.864 | 23.1 | 19.9 |

**420319** 2011 $YE_{78}$ 5 25.4 47°.42 5°.9/23.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.77 | − 8 54.4 | 1.404 | 2.271 | 16.3 | 20.6 |
| 5 1 | 16 30.71 | − 8 17.7 | 1.343 | 2.275 | 12.6 | 20.4 |
| 5 11 | 16 23.07 | − 7 47.4 | 1.303 | 2.279 | 8.7 | 20.2 |
| 5 21 | 16 13.73 | − 7 27.9 | 1.287 | 2.283 | 6.1 | 20.0 |
| 5 31 | 16 3.91 | − 7 22.8 | 1.295 | 2.287 | 7.0 | 20.1 |
| 6 10 | 15 54.93 | − 7 34.4 | 1.328 | 2.291 | 10.5 | 20.3 |
| 6 20 | 15 47.85 | − 8 2.3 | 1.383 | 2.296 | 14.4 | 20.5 |
| 6 30 | 15 43.38 | − 8 45.1 | 1.457 | 2.300 | 17.8 | 20.8 |

**376806** 2000 $UM_{97}$ 5 25.4 160°.41 0°.4/25.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.20 | −24 12.5 | 2.710 | 3.539 | 10.5 | 22.2 |
| 5 1 | 16 29.95 | −23 49.0 | 2.632 | 3.548 | 7.8 | 22.0 |
| 5 11 | 16 22.14 | −23 19.3 | 2.579 | 3.556 | 4.8 | 21.8 |
| 5 21 | 16 13.37 | −22 44.0 | 2.555 | 3.564 | 1.6 | 21.6 |
| 5 31 | 16 4.38 | −22 5.0 | 2.561 | 3.570 | 1.8 | 21.6 |
| 6 10 | 15 55.92 | −21 24.9 | 2.597 | 3.576 | 5.0 | 21.9 |
| 6 20 | 15 48.63 | −20 46.6 | 2.660 | 3.581 | 8.0 | 22.1 |
| 6 30 | 15 42.99 | −20 12.8 | 2.749 | 3.585 | 10.6 | 22.2 |

**184549** 2005 $QT_{47}$ 5 25.4 251°.73 7°.1/28.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.04 | −42 15.2 | 2.458 | 3.231 | 13.1 | 20.6 |
| 5 1 | 16 32.97 | −43 7.3 | 2.367 | 3.222 | 11.1 | 20.4 |
| 5 11 | 16 24.45 | −43 44.9 | 2.298 | 3.213 | 9.0 | 20.2 |
| 5 21 | 16 14.19 | −44 4.3 | 2.254 | 3.204 | 7.5 | 20.1 |
| 5 31 | 16 3.22 | −44 3.1 | 2.236 | 3.194 | 7.1 | 20.1 |
| 6 10 | 15 52.74 | −43 42.3 | 2.244 | 3.184 | 8.2 | 20.1 |
| 6 20 | 15 43.81 | −43 5.7 | 2.277 | 3.175 | 10.1 | 20.2 |
| 6 30 | 15 37.25 | −42 18.9 | 2.332 | 3.165 | 12.3 | 20.4 |

**236595** 2006 $JX_4$ 5 25.4 80°.03 3°.1/23.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.10 | −15 36.2 | 1.883 | 2.743 | 13.1 | 20.4 |
| 5 1 | 16 28.15 | −14 41.1 | 1.816 | 2.749 | 9.8 | 20.2 |
| 5 11 | 16 21.25 | −13 44.1 | 1.773 | 2.755 | 6.2 | 20.0 |
| 5 21 | 16 13.13 | −12 48.6 | 1.756 | 2.761 | 3.3 | 19.9 |
| 5 31 | 16 4.71 | −11 58.8 | 1.767 | 2.767 | 4.3 | 19.9 |
| 6 10 | 15 56.96 | −11 18.6 | 1.804 | 2.773 | 7.8 | 20.1 |
| 6 20 | 15 50.67 | −10 50.5 | 1.865 | 2.779 | 11.2 | 20.4 |
| 6 30 | 15 46.41 | −10 35.8 | 1.949 | 2.785 | 14.3 | 20.6 |

**425641** 2010 $VX_{174}$ 5 25.4 86°.06 1°.6/24.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.30 | −19 44.2 | 1.597 | 2.458 | 15.0 | 21.4 |
| 5 1 | 16 30.78 | −18 58.7 | 1.539 | 2.473 | 11.1 | 21.2 |
| 5 11 | 16 22.92 | −18 7.6 | 1.503 | 2.487 | 6.7 | 21.0 |
| 5 21 | 16 13.64 | −17 14.1 | 1.492 | 2.501 | 2.4 | 20.7 |
| 5 31 | 16 4.09 | −16 22.3 | 1.508 | 2.515 | 3.5 | 20.8 |
| 6 10 | 15 55.46 | −15 37.0 | 1.550 | 2.529 | 7.8 | 21.1 |
| 6 20 | 15 48.66 | −15 1.8 | 1.617 | 2.543 | 11.8 | 21.4 |
| 6 30 | 15 44.29 | −14 39.1 | 1.704 | 2.556 | 15.3 | 21.6 |

**111238** 2001 $WO_{91}$ 5 25.4 144°.94 2°.8/27.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.93 | −32 6.1 | 2.628 | 3.444 | 11.2 | 20.4 |
| 5 1 | 16 29.19 | −31 58.4 | 2.550 | 3.451 | 8.7 | 20.2 |
| 5 11 | 16 21.76 | −31 40.1 | 2.496 | 3.459 | 6.0 | 20.1 |
| 5 21 | 16 13.27 | −31 10.9 | 2.469 | 3.466 | 3.5 | 19.9 |
| 5 31 | 16 4.53 | −30 31.8 | 2.471 | 3.472 | 3.1 | 19.9 |
| 6 10 | 15 56.36 | −29 45.5 | 2.501 | 3.478 | 5.3 | 20.0 |
| 6 20 | 15 49.46 | −28 55.8 | 2.558 | 3.484 | 8.0 | 20.2 |
| 6 30 | 15 44.34 | −28 6.6 | 2.640 | 3.490 | 10.5 | 20.4 |

**314115** 2005 $EO_{103}$ 5 25.4 146°.30 3°.9/26.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.49 | −31 2.8 | 1.811 | 2.639 | 15.0 | 21.5 |
| 5 1 | 16 34.83 | −31 25.8 | 1.739 | 2.648 | 11.7 | 21.3 |
| 5 11 | 16 25.54 | −31 36.5 | 1.690 | 2.656 | 8.0 | 21.1 |
| 5 21 | 16 14.50 | −31 32.7 | 1.666 | 2.664 | 4.7 | 20.9 |
| 5 31 | 16 2.95 | −31 14.1 | 1.670 | 2.671 | 4.3 | 20.9 |
| 6 10 | 15 52.25 | −30 43.7 | 1.700 | 2.678 | 7.3 | 21.1 |
| 6 20 | 15 43.48 | −30 6.5 | 1.755 | 2.684 | 10.9 | 21.3 |
| 6 30 | 15 37.39 | −29 28.3 | 1.833 | 2.689 | 14.2 | 21.6 |

**40265** 1999 $FQ_{22}$ 5 25.4 141°.72 4°.8/23.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.29 | −12 6.1 | 1.575 | 2.436 | 15.2 | 18.8 |
| 5 1 | 16 31.56 | −11 9.4 | 1.513 | 2.444 | 11.5 | 18.5 |
| 5 11 | 16 23.46 | −10 14.1 | 1.473 | 2.451 | 7.7 | 18.3 |
| 5 21 | 16 13.83 | − 9 24.6 | 1.458 | 2.457 | 4.9 | 18.2 |
| 5 31 | 16 3.84 | − 8 45.8 | 1.469 | 2.463 | 6.0 | 18.3 |
| 6 10 | 15 54.68 | − 8 21.3 | 1.506 | 2.469 | 9.6 | 18.5 |
| 6 20 | 15 47.31 | − 8 12.9 | 1.566 | 2.474 | 13.3 | 18.7 |
| 6 30 | 15 42.40 | − 8 20.6 | 1.647 | 2.479 | 16.6 | 18.9 |

**106425** 2000 $VU_{42}$ 5 25.4 182°.17 1°.6/26.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.84 | −26 51.3 | 2.719 | 3.548 | 10.5 | 20.4 |
| 5 1 | 16 28.36 | −26 54.7 | 2.635 | 3.549 | 8.0 | 20.2 |
| 5 11 | 16 21.28 | −26 51.6 | 2.576 | 3.549 | 5.1 | 20.0 |
| 5 21 | 16 13.15 | −26 41.6 | 2.544 | 3.549 | 2.3 | 19.8 |
| 5 31 | 16 4.68 | −26 25.3 | 2.541 | 3.548 | 2.2 | 19.8 |
| 6 10 | 15 56.65 | −26 4.6 | 2.567 | 3.547 | 5.0 | 20.0 |
| 6 20 | 15 49.73 | −25 41.9 | 2.620 | 3.546 | 7.9 | 20.2 |
| 6 30 | 15 44.44 | −25 20.1 | 2.697 | 3.545 | 10.4 | 20.4 |

**98085** 2000 $RR_{70}$ 5 25.4 173°.17 0°.6/25.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.10 | −22 43.0 | 1.825 | 2.670 | 14.2 | 20.0 |
| 5 1 | 16 33.67 | −22 50.0 | 1.749 | 2.673 | 10.7 | 19.8 |
| 5 11 | 16 24.79 | −22 51.4 | 1.696 | 2.676 | 6.6 | 19.6 |
| 5 21 | 16 14.28 | −22 46.7 | 1.669 | 2.678 | 2.2 | 19.3 |
| 5 31 | 16 3.23 | −22 36.7 | 1.669 | 2.679 | 2.6 | 19.3 |
| 6 10 | 15 52.89 | −22 23.7 | 1.698 | 2.680 | 6.9 | 19.6 |
| 6 20 | 15 44.26 | −22 11.0 | 1.751 | 2.680 | 11.0 | 19.8 |
| 6 30 | 15 38.09 | −22 1.9 | 1.828 | 2.679 | 14.4 | 20.1 |

**471768** 2012 $UZ_{132}$ 5 25.4 252°.90 2°.3/24.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.55 | −16 22.6 | 2.271 | 3.121 | 11.6 | 21.8 |
| 5 1 | 16 28.41 | −15 40.6 | 2.176 | 3.104 | 8.7 | 21.5 |
| 5 11 | 16 21.44 | −14 55.7 | 2.106 | 3.086 | 5.4 | 21.3 |
| 5 21 | 16 13.23 | −14 10.2 | 2.063 | 3.069 | 2.6 | 21.1 |
| 5 31 | 16 4.57 | −13 27.2 | 2.048 | 3.050 | 3.5 | 21.1 |
| 6 10 | 15 56.30 | −12 50.1 | 2.062 | 3.032 | 6.9 | 21.3 |
| 6 20 | 15 49.21 | −12 21.5 | 2.101 | 3.013 | 10.2 | 21.5 |
| 6 30 | 15 43.90 | −12 3.4 | 2.163 | 2.993 | 13.3 | 21.6 |

**204037** 2003 $UE_{152}$ 5 25.4 289°.31 0°.2/25.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.66 | −24 3.0 | 1.849 | 2.702 | 13.6 | 19.9 |
| 5 1 | 16 28.94 | −23 30.0 | 1.759 | 2.688 | 10.3 | 19.6 |
| 5 11 | 16 21.96 | −22 47.6 | 1.692 | 2.674 | 6.4 | 19.4 |
| 5 21 | 16 13.42 | −21 57.0 | 1.650 | 2.660 | 2.0 | 19.1 |
| 5 31 | 16 4.34 | −21 1.2 | 1.636 | 2.646 | 2.5 | 19.1 |
| 6 10 | 15 55.82 | −20 4.7 | 1.648 | 2.632 | 6.9 | 19.3 |
| 6 20 | 15 48.83 | −19 12.3 | 1.686 | 2.618 | 11.1 | 19.5 |
| 6 30 | 15 44.08 | −18 28.4 | 1.745 | 2.604 | 14.7 | 19.7 |

**66733** 1999 $TO_{113}$ 5 25.4 293°.43 0°.7/25.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.31 | −24 1.4 | 1.779 | 2.633 | 14.0 | 19.5 |
| 5 1 | 16 29.49 | −23 47.6 | 1.695 | 2.624 | 10.6 | 19.2 |
| 5 11 | 16 22.33 | −23 25.8 | 1.633 | 2.615 | 6.6 | 19.0 |
| 5 21 | 16 13.54 | −22 56.5 | 1.597 | 2.606 | 2.2 | 18.7 |
| 5 31 | 16 4.19 | −22 21.5 | 1.587 | 2.597 | 2.5 | 18.7 |
| 6 10 | 15 55.44 | −21 44.6 | 1.604 | 2.588 | 7.0 | 18.9 |
| 6 20 | 15 48.30 | −21 9.8 | 1.645 | 2.579 | 11.1 | 19.1 |
| 6 30 | 15 43.50 | −20 41.2 | 1.708 | 2.571 | 14.7 | 19.3 |

**173189** 1998 $HE_{108}$ 5 25.4 28°.82 3°.5/23.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.18 | −12 5.8 | 1.892 | 2.753 | 13.1 | 19.5 |
| 5 1 | 16 27.49 | −11 44.3 | 1.828 | 2.759 | 9.8 | 19.4 |
| 5 11 | 16 20.88 | −11 25.5 | 1.786 | 2.765 | 6.4 | 19.2 |
| 5 21 | 16 13.05 | −11 11.9 | 1.770 | 2.772 | 3.8 | 19.0 |
| 5 31 | 16 4.88 | −11 5.7 | 1.781 | 2.779 | 4.6 | 19.1 |
| 6 10 | 15 57.32 | −11 8.7 | 1.818 | 2.787 | 7.7 | 19.3 |
| 6 20 | 15 51.17 | −11 21.6 | 1.880 | 2.795 | 11.1 | 19.5 |
| 6 30 | 15 46.99 | −11 44.5 | 1.963 | 2.803 | 14.0 | 19.7 |

**344477** 2002 $PB_{160}$ 5 25.4 340°.09 7°.7/22.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.84 | − 2 26.0 | 1.711 | 2.564 | 14.6 | 20.1 |
| 5 1 | 16 28.20 | − 1 46.0 | 1.644 | 2.559 | 11.8 | 19.9 |
| 5 11 | 16 21.43 | − 1 16.9 | 1.597 | 2.554 | 9.2 | 19.8 |
| 5 21 | 16 13.25 | − 1 3.4 | 1.575 | 2.550 | 7.7 | 19.7 |
| 5 31 | 16 4.61 | − 1 8.9 | 1.578 | 2.547 | 8.5 | 19.7 |
| 6 10 | 15 56.57 | − 1 34.6 | 1.604 | 2.544 | 10.9 | 19.8 |
| 6 20 | 15 50.01 | − 2 19.5 | 1.654 | 2.541 | 13.9 | 20.0 |
| 6 30 | 15 45.59 | − 3 20.8 | 1.723 | 2.538 | 16.7 | 20.2 |

**424621** 2008 $JY_{32}$ 5 25.4 307°.45 3°.3/22.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 25.23 | − 5 4.4 | 4.150 | 4.984 | 7.1 | 21.4 |
| 5 1 | 16 21.48 | − 4 43.3 | 4.070 | 4.979 | 5.5 | 21.3 |
| 5 11 | 16 16.90 | − 4 26.0 | 4.016 | 4.973 | 4.1 | 21.2 |
| 5 21 | 16 11.78 | − 4 14.1 | 3.990 | 4.968 | 3.3 | 21.1 |
| 5 31 | 16 6.49 | − 4 8.8 | 3.992 | 4.963 | 3.8 | 21.1 |
| 6 10 | 16 1.43 | − 4 10.8 | 4.023 | 4.958 | 5.1 | 21.2 |
| 6 20 | 15 56.92 | − 4 20.5 | 4.080 | 4.952 | 6.6 | 21.3 |
| 6 30 | 15 53.27 | − 4 37.7 | 4.160 | 4.947 | 8.1 | 21.4 |

**467188** 2016 $EJ_{119}$ 5 25.4 2°.23 0°.2/25.4 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.26 | −20 32.6 | 1.104 | 1.990 | 18.4 | 20.6 |
| 5 1 | 16 29.71 | −20 44.2 | 1.042 | 1.988 | 13.8 | 20.3 |
| 5 11 | 16 22.90 | −20 51.5 | 0.999 | 1.987 | 8.5 | 20.0 |
| 5 21 | 16 13.80 | −20 54.7 | 0.978 | 1.988 | 2.6 | 19.6 |
| 5 31 | 16 3.92 | −20 54.9 | 0.979 | 1.989 | 3.4 | 19.7 |
| 6 10 | 15 55.02 | −20 55.0 | 1.002 | 1.992 | 9.2 | 20.0 |
| 6 20 | 15 48.47 | −20 58.2 | 1.047 | 1.996 | 14.4 | 20.3 |
| 6 30 | 15 45.19 | −21 7.7 | 1.110 | 2.001 | 18.9 | 20.6 |

**503313** 2016 $AC_{126}$ 5 25.4 32°.98 16°.0/ 4.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 44.92 | −55 22.3 | 1.233 | 1.993 | 24.3 | 19.8 |
| 5 1 | 16 39.96 | −56 30.0 | 1.183 | 2.004 | 21.9 | 19.6 |
| 5 11 | 16 29.71 | −56 59.5 | 1.147 | 2.016 | 19.5 | 19.5 |
| 5 21 | 16 15.90 | −56 40.9 | 1.126 | 2.029 | 17.4 | 19.4 |
| 5 31 | 16 1.43 | −55 30.0 | 1.123 | 2.043 | 16.1 | 19.4 |
| 6 10 | 15 49.30 | −53 33.0 | 1.139 | 2.058 | 16.2 | 19.4 |
| 6 20 | 15 41.41 | −51 4.1 | 1.174 | 2.073 | 17.5 | 19.5 |
| 6 30 | 15 38.46 | −48 20.5 | 1.229 | 2.089 | 19.4 | 19.7 |

**258023** 2001 $FA_{152}$ 5 25.4 31°.44 7°.5/27.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.18 | −34 55.9 | 1.268 | 2.113 | 19.1 | 19.8 |
| 5 1 | 16 34.25 | −36 2.7 | 1.210 | 2.121 | 15.5 | 19.6 |
| 5 11 | 16 25.71 | −36 52.2 | 1.172 | 2.131 | 11.5 | 19.4 |
| 5 21 | 16 14.67 | −37 18.1 | 1.154 | 2.140 | 8.3 | 19.2 |
| 5 31 | 16 2.85 | −37 17.8 | 1.160 | 2.151 | 7.8 | 19.2 |
| 6 10 | 15 52.18 | −36 54.2 | 1.189 | 2.162 | 10.3 | 19.4 |
| 6 20 | 15 44.20 | −36 14.8 | 1.239 | 2.174 | 13.9 | 19.6 |
| 6 30 | 15 39.82 | −35 28.6 | 1.309 | 2.187 | 17.4 | 19.9 |

**155107** 2005 $SZ_{237}$ 5 25.4 263°.78 0°.3/25.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.02 | −23 0.1 | 2.527 | 3.368 | 10.8 | 20.7 |
| 5 1 | 16 27.95 | −22 47.3 | 2.426 | 3.349 | 8.1 | 20.5 |
| 5 11 | 16 21.16 | −22 29.0 | 2.351 | 3.330 | 5.0 | 20.3 |
| 5 21 | 16 13.17 | −22 5.7 | 2.302 | 3.311 | 1.6 | 20.0 |
| 5 31 | 16 4.72 | −21 38.8 | 2.282 | 3.292 | 2.0 | 20.0 |
| 6 10 | 15 56.63 | −21 10.6 | 2.291 | 3.272 | 5.5 | 20.2 |
| 6 20 | 15 49.62 | −20 43.7 | 2.327 | 3.252 | 8.7 | 20.4 |
| 6 30 | 15 44.29 | −20 20.8 | 2.386 | 3.232 | 11.7 | 20.5 |

**331500** 1999 $TH_{232}$ 5 25.4 180°.21 3°.9/23.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.96 | − 8 5.7 | 2.808 | 3.643 | 10.0 | 21.7 |
| 5 1 | 16 28.23 | − 7 31.1 | 2.731 | 3.645 | 7.7 | 21.5 |
| 5 11 | 16 21.11 | − 6 59.9 | 2.681 | 3.646 | 5.4 | 21.4 |
| 5 21 | 16 13.11 | − 6 34.4 | 2.658 | 3.646 | 4.0 | 21.3 |
| 5 31 | 16 4.86 | − 6 16.9 | 2.664 | 3.646 | 4.7 | 21.3 |
| 6 10 | 15 57.02 | − 6 8.8 | 2.699 | 3.645 | 6.8 | 21.5 |
| 6 20 | 15 50.15 | − 6 10.9 | 2.760 | 3.643 | 9.1 | 21.6 |
| 6 30 | 15 44.71 | − 6 23.2 | 2.845 | 3.640 | 11.3 | 21.8 |

**245817** 2006 $JH_{24}$ 5 25.4 176°.83 3°.4/26.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 39.14 | −28 39.1 | 2.032 | 2.863 | 13.5 | 20.9 |
| 5 1 | 16 33.00 | −29 26.7 | 1.952 | 2.863 | 10.4 | 20.7 |
| 5 11 | 16 24.46 | −30 6.9 | 1.896 | 2.864 | 7.1 | 20.5 |
| 5 21 | 16 14.24 | −30 36.8 | 1.865 | 2.864 | 4.1 | 20.3 |
| 5 31 | 16 3.38 | −30 54.9 | 1.862 | 2.864 | 3.9 | 20.3 |
| 6 10 | 15 53.07 | −31 1.9 | 1.887 | 2.864 | 6.8 | 20.5 |
| 6 20 | 15 44.33 | −31 0.7 | 1.938 | 2.864 | 10.2 | 20.7 |
| 6 30 | 15 37.95 | −30 55.2 | 2.011 | 2.863 | 13.3 | 20.9 |

**218600** 2005 $NS_{53}$ 5 25.4 302°.48 1°.1/24.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.17 | −20 7.5 | 1.465 | 2.335 | 15.7 | 20.5 |
| 5 1 | 16 29.92 | −19 46.7 | 1.377 | 2.315 | 11.8 | 20.2 |
| 5 11 | 16 22.89 | −19 19.9 | 1.310 | 2.296 | 7.3 | 19.9 |
| 5 21 | 16 13.81 | −18 48.5 | 1.267 | 2.276 | 2.4 | 19.6 |
| 5 31 | 16 3.88 | −18 15.6 | 1.248 | 2.257 | 3.4 | 19.6 |
| 6 10 | 15 54.51 | −17 45.3 | 1.255 | 2.239 | 8.6 | 19.8 |
| 6 20 | 15 46.94 | −17 21.9 | 1.284 | 2.220 | 13.5 | 20.1 |
| 6 30 | 15 42.11 | −17 9.0 | 1.333 | 2.202 | 17.7 | 20.3 |

**189347** Qian 5 25.4 219°.15 3°.4/27.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.08 | −32 43.3 | 2.419 | 3.237 | 12.0 | 20.6 |
| 5 1 | 16 29.59 | −32 44.8 | 2.332 | 3.233 | 9.4 | 20.4 |
| 5 11 | 16 22.18 | −32 35.0 | 2.267 | 3.228 | 6.6 | 20.2 |
| 5 21 | 16 13.48 | −32 12.8 | 2.229 | 3.223 | 4.0 | 20.1 |
| 5 31 | 16 4.38 | −31 38.8 | 2.218 | 3.218 | 3.6 | 20.0 |
| 6 10 | 15 55.82 | −30 55.6 | 2.236 | 3.213 | 5.9 | 20.1 |
| 6 20 | 15 48.59 | −30 7.0 | 2.280 | 3.207 | 8.8 | 20.3 |
| 6 30 | 15 43.32 | −29 17.8 | 2.348 | 3.202 | 11.6 | 20.5 |

**50571** 2000 $EA_{39}$ 5 25.4 312°.03 5°.4/22.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.09 | − 9 42.7 | 1.797 | 2.661 | 13.5 | 18.7 |
| 5 1 | 16 26.92 | − 8 41.3 | 1.717 | 2.647 | 10.4 | 18.5 |
| 5 11 | 16 20.69 | − 7 42.0 | 1.659 | 2.633 | 7.4 | 18.2 |
| 5 21 | 16 13.05 | − 6 49.3 | 1.627 | 2.620 | 5.5 | 18.1 |
| 5 31 | 16 4.91 | − 6 8.3 | 1.620 | 2.606 | 6.6 | 18.1 |
| 6 10 | 15 57.28 | − 5 42.6 | 1.639 | 2.593 | 9.6 | 18.3 |
| 6 20 | 15 51.03 | − 5 34.1 | 1.680 | 2.581 | 13.0 | 18.4 |
| 6 30 | 15 46.83 | − 5 42.9 | 1.742 | 2.569 | 16.1 | 18.6 |

**94711** 2001 $XW_{58}$ 5 25.4 202°.13 1°.8/24.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.50 | −16 35.5 | 1.638 | 2.494 | 15.0 | 19.4 |
| 5 1 | 16 33.44 | −16 33.0 | 1.561 | 2.491 | 11.3 | 19.1 |
| 5 11 | 16 24.79 | −16 30.0 | 1.506 | 2.488 | 7.0 | 18.9 |
| 5 21 | 16 14.35 | −16 27.4 | 1.476 | 2.484 | 2.6 | 18.6 |
| 5 31 | 16 3.26 | −16 26.9 | 1.473 | 2.480 | 3.6 | 18.7 |
| 6 10 | 15 52.85 | −16 30.3 | 1.497 | 2.475 | 8.1 | 18.9 |
| 6 20 | 15 44.20 | −16 39.6 | 1.545 | 2.470 | 12.4 | 19.1 |
| 6 30 | 15 38.13 | −16 56.3 | 1.615 | 2.464 | 16.1 | 19.4 |

**506848** 2007 $UB_{80}$ 5 25.4 219°.00 0°.1/25.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.08 | −22 21.9 | 2.214 | 3.060 | 12.0 | 22.3 |
| 5 1 | 16 28.85 | −22 9.0 | 2.130 | 3.056 | 9.0 | 22.1 |
| 5 11 | 16 21.72 | −21 50.8 | 2.071 | 3.052 | 5.5 | 21.8 |
| 5 21 | 16 13.35 | −21 27.8 | 2.038 | 3.048 | 1.7 | 21.6 |
| 5 31 | 16 4.56 | −21 1.7 | 2.033 | 3.043 | 2.2 | 21.6 |
| 6 10 | 15 56.29 | −20 35.1 | 2.057 | 3.038 | 5.9 | 21.8 |
| 6 20 | 15 49.31 | −20 10.9 | 2.106 | 3.033 | 9.4 | 22.1 |
| 6 30 | 15 44.23 | −19 51.8 | 2.179 | 3.028 | 12.5 | 22.2 |

**115523** 2003 $UC_{41}$ 5 25.4 280°.60 2°.0/24.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.20 | −18 11.7 | 1.546 | 2.410 | 15.3 | 20.4 |
| 5 1 | 16 31.36 | −17 41.8 | 1.452 | 2.387 | 11.6 | 20.1 |
| 5 11 | 16 23.76 | −17 7.1 | 1.379 | 2.363 | 7.2 | 19.8 |
| 5 21 | 16 14.10 | −16 29.5 | 1.330 | 2.338 | 2.8 | 19.5 |
| 5 31 | 16 3.53 | −15 52.5 | 1.307 | 2.314 | 4.0 | 19.5 |
| 6 10 | 15 53.43 | −15 20.5 | 1.310 | 2.289 | 8.9 | 19.7 |
| 6 20 | 15 45.03 | −14 57.7 | 1.335 | 2.264 | 13.7 | 19.9 |
| 6 30 | 15 39.30 | −14 47.3 | 1.381 | 2.238 | 17.9 | 20.1 |

**371283** 2006 $DX_{134}$ 5 25.4 154°.75 2°.6/26.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.61 | −30 33.2 | 2.699 | 3.511 | 11.0 | 23.4 |
| 5 1 | 16 31.88 | −30 39.2 | 2.621 | 3.522 | 8.5 | 23.2 |
| 5 11 | 16 23.41 | −30 36.1 | 2.569 | 3.532 | 5.8 | 23.0 |
| 5 21 | 16 13.84 | −30 22.9 | 2.544 | 3.542 | 3.2 | 22.9 |
| 5 31 | 16 3.98 | −30 0.3 | 2.548 | 3.550 | 2.9 | 22.9 |
| 6 10 | 15 54.70 | −29 30.3 | 2.582 | 3.558 | 5.3 | 23.1 |
| 6 20 | 15 46.69 | −28 56.1 | 2.644 | 3.565 | 8.0 | 23.2 |
| 6 30 | 15 40.50 | −28 21.5 | 2.730 | 3.571 | 10.5 | 23.4 |

**441994** 2010 $NX_{103}$ 5 25.4 242°.70 2°.2/26.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.32 | −29 5.1 | 2.612 | 3.439 | 10.9 | 21.8 |
| 5 1 | 16 28.15 | −29 7.2 | 2.521 | 3.431 | 8.4 | 21.6 |
| 5 11 | 16 21.25 | −29 1.2 | 2.454 | 3.423 | 5.6 | 21.4 |
| 5 21 | 16 13.21 | −28 46.3 | 2.413 | 3.415 | 2.9 | 21.2 |
| 5 31 | 16 4.76 | −28 23.3 | 2.401 | 3.407 | 2.7 | 21.1 |
| 6 10 | 15 56.74 | −27 54.1 | 2.418 | 3.398 | 5.3 | 21.3 |
| 6 20 | 15 49.87 | −27 21.7 | 2.461 | 3.389 | 8.2 | 21.5 |
| 6 30 | 15 44.71 | −26 49.5 | 2.529 | 3.381 | 10.9 | 21.6 |

**494336** 2016 $TJ_{34}$ 5 25.4 222°.76 4°.0/27.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.65 | −34 33.7 | 2.623 | 3.430 | 11.5 | 22.2 |
| 5 1 | 16 29.98 | −34 50.9 | 2.532 | 3.423 | 9.2 | 22.0 |
| 5 11 | 16 22.43 | −34 57.2 | 2.464 | 3.416 | 6.7 | 21.8 |
| 5 21 | 16 13.59 | −34 51.0 | 2.423 | 3.409 | 4.5 | 21.7 |
| 5 31 | 16 4.29 | −34 32.0 | 2.409 | 3.401 | 4.1 | 21.6 |
| 6 10 | 15 55.47 | −34 2.0 | 2.423 | 3.393 | 6.0 | 21.7 |
| 6 20 | 15 47.90 | −33 24.3 | 2.464 | 3.385 | 8.5 | 21.9 |
| 6 30 | 15 42.20 | −32 43.2 | 2.529 | 3.377 | 11.0 | 22.0 |

**352581** 2008 $DC_{70}$ 5 25.4 65°.94 0°.5/25.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.26 | −25 0.0 | 2.117 | 2.963 | 12.4 | 20.3 |
| 5 1 | 16 28.14 | −24 23.6 | 2.051 | 2.976 | 9.3 | 20.1 |
| 5 11 | 16 21.20 | −23 39.0 | 2.009 | 2.989 | 5.7 | 19.9 |
| 5 21 | 16 13.17 | −22 47.7 | 1.994 | 3.003 | 1.9 | 19.7 |
| 5 31 | 16 4.92 | −21 52.7 | 2.006 | 3.016 | 2.1 | 19.8 |
| 6 10 | 15 57.37 | −20 57.9 | 2.047 | 3.030 | 5.9 | 20.0 |
| 6 20 | 15 51.22 | −20 7.2 | 2.114 | 3.043 | 9.3 | 20.3 |
| 6 30 | 15 47.01 | −19 24.0 | 2.204 | 3.057 | 12.2 | 20.5 |

**423483** 2005 $TZ_{15}$ 5 25.4 190°.96 6°.1/27.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.63 | −37 19.3 | 2.077 | 2.877 | 14.3 | 22.6 |
| 5 1 | 16 35.05 | −38 4.5 | 1.994 | 2.876 | 11.7 | 22.4 |
| 5 11 | 16 25.80 | −38 35.6 | 1.933 | 2.874 | 8.9 | 22.2 |
| 5 21 | 16 14.69 | −38 48.8 | 1.898 | 2.872 | 6.7 | 22.1 |
| 5 31 | 16 2.89 | −38 42.0 | 1.888 | 2.870 | 6.2 | 22.1 |
| 6 10 | 15 51.74 | −38 17.0 | 1.906 | 2.867 | 8.0 | 22.2 |
| 6 20 | 15 42.38 | −37 38.5 | 1.949 | 2.864 | 10.7 | 22.3 |
| 6 30 | 15 35.65 | −36 52.8 | 2.014 | 2.860 | 13.5 | 22.5 |

**395094** 2009 $KG_{23}$ 5 25.4 312°.89 4°.2/23.4 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.65 | − 9 44.2 | 2.129 | 2.983 | 12.1 | 20.9 |
| 5 1 | 16 27.00 | − 9 13.5 | 2.052 | 2.978 | 9.2 | 20.7 |
| 5 11 | 16 20.59 | − 8 46.4 | 1.999 | 2.973 | 6.3 | 20.6 |
| 5 21 | 16 13.01 | − 8 25.6 | 1.972 | 2.967 | 4.3 | 20.4 |
| 5 31 | 16 5.06 | − 8 13.8 | 1.972 | 2.962 | 5.1 | 20.5 |
| 6 10 | 15 57.57 | − 8 12.9 | 1.998 | 2.957 | 7.9 | 20.6 |
| 6 20 | 15 51.28 | − 8 23.7 | 2.050 | 2.953 | 10.9 | 20.8 |
| 6 30 | 15 46.77 | − 8 45.9 | 2.123 | 2.948 | 13.6 | 21.0 |

**135223** 2001 $RK_{109}$ 5 25.4 6°.43 0°.5/25.6 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.65 | −23 21.8 | 1.974 | 2.826 | 13.0 | 19.4 |
| 5 1 | 16 28.72 | −23 14.3 | 1.898 | 2.826 | 9.7 | 19.2 |
| 5 11 | 16 21.73 | −23 0.5 | 1.845 | 2.826 | 6.0 | 19.0 |
| 5 21 | 16 13.38 | −22 40.9 | 1.817 | 2.826 | 2.0 | 18.7 |
| 5 31 | 16 4.61 | −22 17.0 | 1.817 | 2.827 | 2.3 | 18.7 |
| 6 10 | 15 56.43 | −21 51.7 | 1.844 | 2.827 | 6.3 | 19.0 |
| 6 20 | 15 49.71 | −21 28.1 | 1.896 | 2.828 | 10.0 | 19.2 |
| 6 30 | 15 45.08 | −21 9.3 | 1.971 | 2.829 | 13.2 | 19.4 |

**467473** 2006 $QY_{185}$ 5 25.4 280°.71 3°.9/26.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.64 | −28 52.1 | 1.554 | 2.400 | 16.1 | 21.2 |
| 5 1 | 16 33.43 | −29 27.4 | 1.466 | 2.386 | 12.6 | 21.0 |
| 5 11 | 16 25.15 | −29 53.0 | 1.399 | 2.371 | 8.6 | 20.7 |
| 5 21 | 16 14.57 | −30 5.6 | 1.355 | 2.356 | 4.8 | 20.4 |
| 5 31 | 16 2.99 | −30 3.5 | 1.337 | 2.342 | 4.5 | 20.4 |
| 6 10 | 15 51.98 | −29 48.6 | 1.345 | 2.327 | 8.4 | 20.6 |
| 6 20 | 15 42.94 | −29 25.3 | 1.376 | 2.312 | 12.7 | 20.8 |
| 6 30 | 15 36.90 | −28 59.8 | 1.427 | 2.297 | 16.7 | 21.0 |

**434338** 2004 $LJ_{30}$ 5 25.4 346°.11 7°.9/31.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.17 | −45 5.0 | 1.386 | 2.198 | 19.5 | 18.5 |
| 5 1 | 16 29.01 | −44 11.3 | 1.294 | 2.178 | 16.6 | 18.2 |
| 5 11 | 16 22.45 | −42 39.5 | 1.219 | 2.159 | 13.1 | 18.0 |
| 5 21 | 16 13.66 | −40 25.8 | 1.165 | 2.142 | 9.7 | 17.7 |
| 5 31 | 16 4.31 | −37 32.5 | 1.135 | 2.126 | 7.9 | 17.6 |
| 6 10 | 15 56.18 | −34 11.0 | 1.131 | 2.113 | 9.6 | 17.6 |
| 6 20 | 15 50.57 | −30 38.5 | 1.152 | 2.102 | 13.4 | 17.8 |
| 6 30 | 15 48.23 | −27 12.9 | 1.197 | 2.093 | 17.4 | 18.0 |

**57552** 2001 $TM_{31}$ 5 25.4 241°.84 3°.9/27.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.95 | −32 26.8 | 2.282 | 3.102 | 12.5 | 19.3 |
| 5 1 | 16 30.44 | −32 51.9 | 2.196 | 3.097 | 9.9 | 19.1 |
| 5 11 | 16 22.81 | −33 6.5 | 2.133 | 3.093 | 7.0 | 18.9 |
| 5 21 | 16 13.73 | −33 8.9 | 2.096 | 3.088 | 4.5 | 18.7 |
| 5 31 | 16 4.14 | −32 58.3 | 2.086 | 3.083 | 4.1 | 18.7 |
| 6 10 | 15 55.06 | −32 36.8 | 2.104 | 3.079 | 6.4 | 18.8 |
| 6 20 | 15 47.38 | −32 7.7 | 2.148 | 3.074 | 9.3 | 19.0 |
| 6 30 | 15 41.80 | −31 35.5 | 2.215 | 3.069 | 12.1 | 19.2 |

**234865** 2002 $RK_{268}$ 5 25.4 246°.24 0°.5/25.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.18 | −20 42.0 | 2.106 | 2.956 | 12.3 | 21.2 |
| 5 1 | 16 29.03 | −20 28.7 | 2.021 | 2.949 | 9.2 | 21.0 |
| 5 11 | 16 21.91 | −20 10.9 | 1.959 | 2.941 | 5.6 | 20.8 |
| 5 21 | 16 13.45 | −19 49.7 | 1.924 | 2.934 | 1.8 | 20.5 |
| 5 31 | 16 4.52 | −19 26.8 | 1.917 | 2.926 | 2.4 | 20.5 |
| 6 10 | 15 56.10 | −19 4.7 | 1.937 | 2.918 | 6.3 | 20.7 |
| 6 20 | 15 49.00 | −18 46.2 | 1.983 | 2.910 | 10.0 | 21.0 |
| 6 30 | 15 43.87 | −18 33.7 | 2.052 | 2.901 | 13.1 | 21.1 |

**469429** 2002 $BY_{30}$ 5 25.4 166.°55 7.°0/22.0 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.36 | + 5 50.3 | 2.944 | 3.741 | 10.6 | 21.6 |
| 5 1 | 16 28.43 | + 6 12.7 | 2.879 | 3.745 | 9.0 | 21.5 |
| 5 11 | 16 21.21 | + 6 23.5 | 2.838 | 3.749 | 7.7 | 21.4 |
| 5 21 | 16 13.18 | + 6 20.1 | 2.823 | 3.753 | 7.0 | 21.3 |
| 5 31 | 16 4.94 | + 6 0.9 | 2.835 | 3.756 | 7.5 | 21.4 |
| 6 10 | 15 57.12 | + 5 25.8 | 2.874 | 3.759 | 8.7 | 21.5 |
| 6 20 | 15 50.25 | + 4 36.2 | 2.938 | 3.761 | 10.3 | 21.6 |
| 6 30 | 15 44.74 | + 3 34.2 | 3.024 | 3.762 | 11.9 | 21.7 |

**66473** 1999 $RZ_{24}$ 5 25.4 232.°91 0.°4/25.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.66 | −23 24.6 | 2.298 | 3.138 | 11.8 | 20.2 |
| 5 1 | 16 30.06 | −23 11.6 | 2.203 | 3.125 | 8.9 | 20.0 |
| 5 11 | 16 22.52 | −22 52.4 | 2.133 | 3.113 | 5.5 | 19.8 |
| 5 21 | 16 13.65 | −22 27.2 | 2.090 | 3.099 | 1.8 | 19.5 |
| 5 31 | 16 4.30 | −21 57.6 | 2.076 | 3.085 | 2.1 | 19.5 |
| 6 10 | 15 55.39 | −21 26.3 | 2.090 | 3.071 | 5.9 | 19.7 |
| 6 20 | 15 47.73 | −20 56.3 | 2.130 | 3.056 | 9.4 | 19.9 |
| 6 30 | 15 41.98 | −20 30.7 | 2.194 | 3.040 | 12.5 | 20.1 |

**454132** 2013 $CV_{185}$ 5 25.4 83.°05 2.°9/24.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.81 | −16 40.5 | 1.303 | 2.171 | 17.3 | 21.8 |
| 5 1 | 16 33.69 | −16 0.3 | 1.257 | 2.193 | 12.8 | 21.6 |
| 5 11 | 16 24.82 | −15 18.3 | 1.231 | 2.215 | 7.9 | 21.3 |
| 5 21 | 16 14.32 | −14 37.9 | 1.230 | 2.237 | 3.5 | 21.1 |
| 5 31 | 16 3.60 | −14 3.4 | 1.253 | 2.258 | 4.6 | 21.3 |
| 6 10 | 15 54.08 | −13 39.0 | 1.302 | 2.279 | 9.2 | 21.6 |
| 6 20 | 15 46.81 | −13 27.0 | 1.373 | 2.300 | 13.5 | 21.9 |
| 6 30 | 15 42.40 | −13 28.5 | 1.465 | 2.320 | 17.2 | 22.2 |

**292358** 2006 $SG_{236}$ 5 25.4 167.°76 1.°3/24.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.58 | −18 53.7 | 1.903 | 2.753 | 13.4 | 22.0 |
| 5 1 | 16 31.61 | −18 32.5 | 1.829 | 2.757 | 10.0 | 21.8 |
| 5 11 | 16 23.47 | −18 7.7 | 1.779 | 2.761 | 6.1 | 21.5 |
| 5 21 | 16 13.93 | −17 40.8 | 1.755 | 2.764 | 2.1 | 21.3 |
| 5 31 | 16 3.99 | −17 14.2 | 1.758 | 2.766 | 3.0 | 21.3 |
| 6 10 | 15 54.71 | −16 50.9 | 1.790 | 2.768 | 7.0 | 21.6 |
| 6 20 | 15 46.99 | −16 33.5 | 1.847 | 2.769 | 10.8 | 21.8 |
| 6 30 | 15 41.47 | −16 24.4 | 1.926 | 2.770 | 14.1 | 22.0 |

**234801** 2002 $QB_{78}$ 5 25.4 281.°62 3.°0/23.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.91 | −14 33.5 | 1.939 | 2.797 | 12.9 | 20.7 |
| 5 1 | 16 28.17 | −13 57.2 | 1.857 | 2.788 | 9.7 | 20.5 |
| 5 11 | 16 21.42 | −13 20.2 | 1.798 | 2.779 | 6.2 | 20.3 |
| 5 21 | 16 13.32 | −12 45.1 | 1.765 | 2.770 | 3.3 | 20.1 |
| 5 31 | 16 4.74 | −12 15.3 | 1.760 | 2.760 | 4.3 | 20.1 |
| 6 10 | 15 56.68 | −11 53.7 | 1.781 | 2.751 | 7.7 | 20.3 |
| 6 20 | 15 49.97 | −11 42.5 | 1.826 | 2.742 | 11.3 | 20.5 |
| 6 30 | 15 45.26 | −11 43.0 | 1.893 | 2.732 | 14.5 | 20.7 |

**134012** 2004 $VS_{36}$ 5 25.4 57.°96 0.°5/25.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.31 | −21 43.8 | 1.250 | 2.122 | 17.6 | 20.2 |
| 5 1 | 16 32.17 | −21 21.7 | 1.198 | 2.137 | 13.1 | 20.0 |
| 5 11 | 16 24.07 | −20 52.1 | 1.165 | 2.151 | 8.0 | 19.8 |
| 5 21 | 16 14.13 | −20 16.8 | 1.156 | 2.166 | 2.4 | 19.5 |
| 5 31 | 16 3.81 | −19 39.5 | 1.171 | 2.181 | 3.3 | 19.6 |
| 6 10 | 15 54.65 | −19 5.0 | 1.211 | 2.196 | 8.6 | 19.9 |
| 6 20 | 15 47.78 | −18 38.0 | 1.273 | 2.212 | 13.3 | 20.2 |
| 6 30 | 15 43.89 | −18 21.7 | 1.354 | 2.227 | 17.2 | 20.5 |

**278827** 2008 $SV_{269}$ 5 25.4 303.°16 0.°9/25.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.88 | −19 40.4 | 1.669 | 2.533 | 14.4 | 20.3 |
| 5 1 | 16 29.43 | −19 29.6 | 1.578 | 2.512 | 10.8 | 20.1 |
| 5 11 | 16 22.48 | −19 14.7 | 1.508 | 2.492 | 6.7 | 19.8 |
| 5 21 | 16 13.72 | −18 56.7 | 1.463 | 2.472 | 2.2 | 19.4 |
| 5 31 | 16 4.19 | −18 37.6 | 1.444 | 2.453 | 3.0 | 19.5 |
| 6 10 | 15 55.13 | −18 20.5 | 1.450 | 2.433 | 7.8 | 19.7 |
| 6 20 | 15 47.64 | −18 8.4 | 1.481 | 2.414 | 12.2 | 19.9 |
| 6 30 | 15 42.59 | −18 4.3 | 1.532 | 2.395 | 16.1 | 20.1 |

**508686** 2017 $UD_{17}$ 5 25.4 266.°90 0.°3/25.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.15 | −21 33.2 | 1.681 | 2.536 | 14.7 | 22.3 |
| 5 1 | 16 31.91 | −21 17.5 | 1.586 | 2.516 | 11.1 | 22.0 |
| 5 11 | 16 24.02 | −20 55.3 | 1.514 | 2.496 | 6.9 | 21.7 |
| 5 21 | 16 14.20 | −20 27.0 | 1.466 | 2.476 | 2.1 | 21.3 |
| 5 31 | 16 3.57 | −19 55.0 | 1.445 | 2.455 | 2.9 | 21.3 |
| 6 10 | 15 53.43 | −19 22.7 | 1.451 | 2.433 | 7.8 | 21.6 |
| 6 20 | 15 44.94 | −18 54.4 | 1.481 | 2.411 | 12.4 | 21.8 |
| 6 30 | 15 39.01 | −18 34.0 | 1.532 | 2.389 | 16.4 | 22.0 |

**168562** 1999 $XM_{39}$ 5 25.4 254.°42 1.°5/24.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.79 | −19 26.0 | 2.009 | 2.863 | 12.7 | 19.8 |
| 5 1 | 16 28.80 | −18 45.6 | 1.923 | 2.854 | 9.5 | 19.6 |
| 5 11 | 16 21.79 | −18 0.0 | 1.861 | 2.844 | 5.8 | 19.4 |
| 5 21 | 16 13.44 | −17 11.4 | 1.826 | 2.834 | 2.1 | 19.1 |
| 5 31 | 16 4.63 | −16 22.9 | 1.818 | 2.824 | 3.1 | 19.2 |
| 6 10 | 15 56.36 | −15 38.6 | 1.837 | 2.814 | 7.0 | 19.4 |
| 6 20 | 15 49.46 | −15 1.9 | 1.882 | 2.804 | 10.7 | 19.6 |
| 6 30 | 15 44.57 | −14 35.4 | 1.949 | 2.794 | 13.9 | 19.8 |

**413364** 2004 $BB_{35}$ 5 25.4 138.°05 0.°3/25.3 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.60 | −21 3.0 | 1.855 | 2.703 | 13.8 | 22.8 |
| 5 1 | 16 32.39 | −20 54.7 | 1.787 | 2.713 | 10.3 | 22.6 |
| 5 11 | 16 23.96 | −20 41.7 | 1.742 | 2.723 | 6.3 | 22.4 |
| 5 21 | 16 14.09 | −20 24.5 | 1.723 | 2.733 | 1.9 | 22.1 |
| 5 31 | 16 3.85 | −20 4.9 | 1.732 | 2.742 | 2.5 | 22.2 |
| 6 10 | 15 54.36 | −19 45.6 | 1.769 | 2.750 | 6.8 | 22.4 |
| 6 20 | 15 46.53 | −19 29.6 | 1.831 | 2.758 | 10.6 | 22.7 |
| 6 30 | 15 41.01 | −19 19.6 | 1.916 | 2.765 | 13.9 | 22.9 |

**129597** 1997 $VT_1$ 5 25.4 264.°96 1.°1/24.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.98 | −20 38.6 | 1.541 | 2.403 | 15.5 | 20.1 |
| 5 1 | 16 31.90 | −20 7.6 | 1.452 | 2.386 | 11.7 | 19.8 |
| 5 11 | 16 24.06 | −19 29.1 | 1.385 | 2.369 | 7.2 | 19.5 |
| 5 21 | 16 14.23 | −18 45.0 | 1.342 | 2.352 | 2.4 | 19.2 |
| 5 31 | 16 3.59 | −17 58.5 | 1.326 | 2.334 | 3.4 | 19.2 |
| 6 10 | 15 53.56 | −17 14.6 | 1.335 | 2.316 | 8.5 | 19.4 |
| 6 20 | 15 45.33 | −16 38.1 | 1.368 | 2.298 | 13.2 | 19.7 |
| 6 30 | 15 39.80 | −16 13.0 | 1.421 | 2.280 | 17.4 | 19.9 |

**24301** Gural 5 25.4 252.°32 3.°5/23.8 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.80 | −12 51.1 | 2.009 | 2.864 | 12.6 | 19.2 |
| 5 1 | 16 28.77 | −12 17.4 | 1.926 | 2.855 | 9.6 | 19.0 |
| 5 11 | 16 21.78 | −11 44.6 | 1.867 | 2.845 | 6.3 | 18.8 |
| 5 21 | 16 13.44 | −11 15.2 | 1.834 | 2.836 | 3.7 | 18.6 |
| 5 31 | 16 4.65 | −10 52.3 | 1.828 | 2.826 | 4.6 | 18.7 |
| 6 10 | 15 56.33 | −10 38.6 | 1.849 | 2.816 | 7.8 | 18.8 |
| 6 20 | 15 49.33 | −10 35.7 | 1.895 | 2.805 | 11.2 | 19.0 |
| 6 30 | 15 44.29 | −10 44.4 | 1.963 | 2.795 | 14.3 | 19.2 |

**328158** 2008 $CA_{133}$ 5 25.4 80.°14 3.°3/26.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.60 | −29 19.7 | 1.540 | 2.385 | 16.3 | 22.0 |
| 5 1 | 16 33.62 | −29 31.0 | 1.482 | 2.401 | 12.5 | 21.8 |
| 5 11 | 16 24.89 | −29 29.5 | 1.445 | 2.418 | 8.3 | 21.6 |
| 5 21 | 16 14.41 | −29 13.8 | 1.432 | 2.434 | 4.3 | 21.4 |
| 5 31 | 16 3.55 | −28 45.1 | 1.444 | 2.450 | 3.9 | 21.4 |
| 6 10 | 15 53.73 | −28 7.3 | 1.483 | 2.467 | 7.6 | 21.7 |
| 6 20 | 15 46.06 | −27 26.2 | 1.546 | 2.483 | 11.6 | 21.9 |
| 6 30 | 15 41.21 | −26 47.6 | 1.630 | 2.498 | 15.1 | 22.2 |

**200043** 2007 $TU_{73}$ 5 25.4 196.°80 0.°4/25.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 28.55 | −23 46.4 | 4.185 | 5.014 | 7.1 | 21.7 |
| 5 1 | 16 23.99 | −23 34.0 | 4.094 | 5.010 | 5.3 | 21.6 |
| 5 11 | 16 18.48 | −23 17.9 | 4.030 | 5.007 | 3.3 | 21.4 |
| 5 21 | 16 12.36 | −22 58.6 | 3.994 | 5.002 | 1.1 | 21.3 |
| 5 31 | 16 6.07 | −22 37.1 | 3.989 | 4.998 | 1.2 | 21.3 |
| 6 10 | 16 0.03 | −22 14.6 | 4.013 | 4.993 | 3.4 | 21.4 |
| 6 20 | 15 54.63 | −21 52.4 | 4.067 | 4.988 | 5.4 | 21.6 |
| 6 30 | 15 50.21 | −21 32.2 | 4.146 | 4.983 | 7.3 | 21.7 |

**264941** 2002 $VV_{93}$ 5 25.4 253.°95 2.°3/26.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.60 | −26 12.0 | 1.754 | 2.598 | 14.7 | 20.7 |
| 5 1 | 16 32.98 | −26 35.0 | 1.665 | 2.587 | 11.3 | 20.5 |
| 5 11 | 16 24.68 | −26 50.5 | 1.599 | 2.575 | 7.3 | 20.2 |
| 5 21 | 16 14.43 | −26 56.7 | 1.557 | 2.563 | 3.4 | 19.9 |
| 5 31 | 16 3.39 | −26 53.0 | 1.543 | 2.550 | 3.3 | 19.9 |
| 6 10 | 15 52.89 | −26 41.3 | 1.555 | 2.538 | 7.3 | 20.1 |
| 6 20 | 15 44.10 | −26 25.3 | 1.592 | 2.525 | 11.5 | 20.3 |
| 6 30 | 15 37.92 | −26 9.5 | 1.650 | 2.512 | 15.2 | 20.5 |

**499529** 2010 $RL_{51}$ 5 25.4 219.°54 2.°6/26.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.24 | −28 11.0 | 2.039 | 2.869 | 13.5 | 22.7 |
| 5 1 | 16 33.85 | −28 24.2 | 1.947 | 2.859 | 10.4 | 22.5 |
| 5 11 | 16 25.04 | −28 28.4 | 1.877 | 2.848 | 6.9 | 22.3 |
| 5 21 | 16 14.51 | −28 21.8 | 1.834 | 2.837 | 3.4 | 22.0 |
| 5 31 | 16 3.32 | −28 4.3 | 1.819 | 2.825 | 3.2 | 22.0 |
| 6 10 | 15 52.65 | −27 38.3 | 1.832 | 2.812 | 6.7 | 22.2 |
| 6 20 | 15 43.55 | −27 7.7 | 1.871 | 2.798 | 10.4 | 22.4 |
| 6 30 | 15 36.80 | −26 37.1 | 1.933 | 2.783 | 13.8 | 22.5 |

**215911** 2005 $JX_{21}$ 5 25.4 342.°58 6.°3/23.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.47 | − 9 10.3 | 1.328 | 2.203 | 16.6 | 20.0 |
| 5 1 | 16 29.28 | − 8 23.8 | 1.262 | 2.197 | 12.9 | 19.8 |
| 5 11 | 16 22.41 | − 7 42.7 | 1.216 | 2.193 | 9.0 | 19.5 |
| 5 21 | 16 13.70 | − 7 12.4 | 1.193 | 2.189 | 6.4 | 19.4 |
| 5 31 | 16 4.39 | − 6 57.6 | 1.194 | 2.185 | 7.5 | 19.4 |
| 6 10 | 15 55.84 | − 7 1.5 | 1.218 | 2.182 | 11.2 | 19.6 |
| 6 20 | 15 49.18 | − 7 24.4 | 1.263 | 2.180 | 15.2 | 19.8 |
| 6 30 | 15 45.20 | − 8 4.7 | 1.327 | 2.178 | 18.8 | 20.1 |

**338562** 2003 $SQ_{65}$ 5 25.4 319.°19 6.°5/21.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.00 | −11 43.9 | 1.429 | 2.307 | 15.5 | 20.4 |
| 5 1 | 16 26.79 | −10 6.9 | 1.338 | 2.277 | 12.0 | 20.1 |
| 5 11 | 16 21.00 | − 8 25.2 | 1.269 | 2.247 | 8.5 | 19.9 |
| 5 21 | 16 13.31 | − 6 46.0 | 1.223 | 2.218 | 6.5 | 19.7 |
| 5 31 | 16 4.81 | − 5 18.2 | 1.202 | 2.190 | 8.2 | 19.7 |
| 6 10 | 15 56.77 | − 4 9.7 | 1.205 | 2.162 | 12.1 | 19.8 |
| 6 20 | 15 50.36 | − 3 25.8 | 1.228 | 2.135 | 16.3 | 20.0 |
| 6 30 | 15 46.48 | − 3 8.3 | 1.269 | 2.108 | 20.2 | 20.1 |

**114134** 2002 $VX_{55}$ 5 25.4 179°.27 1°.0/24.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 37.15 | −19 30.3 | 2.022 | 2.870 | 12.9 | 21.2 |
| 5 1 | 16 31.23 | −19 11.7 | 1.945 | 2.871 | 9.6 | 21.0 |
| 5 11 | 16 23.25 | −18 49.2 | 1.891 | 2.872 | 5.9 | 20.7 |
| 5 21 | 16 13.91 | −18 24.1 | 1.864 | 2.873 | 1.9 | 20.5 |
| 5 31 | 16 4.15 | −17 58.5 | 1.865 | 2.873 | 2.7 | 20.5 |
| 6 10 | 15 55.01 | −17 35.1 | 1.894 | 2.872 | 6.7 | 20.8 |
| 6 20 | 15 47.32 | −17 16.7 | 1.948 | 2.871 | 10.3 | 21.0 |
| 6 30 | 15 41.73 | −17 5.7 | 2.026 | 2.869 | 13.5 | 21.2 |

**65927** 1998 $FV_{55}$ 5 25.4 149°.23 0°.4/25.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.59 | −20 35.6 | 1.838 | 2.685 | 14.0 | 20.1 |
| 5 1 | 16 33.18 | −20 28.9 | 1.768 | 2.695 | 10.4 | 19.9 |
| 5 11 | 16 24.47 | −20 17.9 | 1.722 | 2.703 | 6.4 | 19.6 |
| 5 21 | 16 14.29 | −20 3.0 | 1.702 | 2.711 | 2.0 | 19.4 |
| 5 31 | 16 3.69 | −19 45.9 | 1.709 | 2.719 | 2.6 | 19.4 |
| 6 10 | 15 53.85 | −19 29.3 | 1.745 | 2.725 | 6.9 | 19.7 |
| 6 20 | 15 45.69 | −19 15.9 | 1.805 | 2.731 | 10.8 | 19.9 |
| 6 30 | 15 39.89 | −19 8.6 | 1.889 | 2.736 | 14.2 | 20.2 |

**366642** 2003 $SR_{225}$ 5 25.4 260°.68 0°.9/25.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.12 | −23 32.7 | 1.747 | 2.595 | 14.6 | 21.6 |
| 5 1 | 16 33.43 | −23 36.9 | 1.648 | 2.574 | 11.1 | 21.3 |
| 5 11 | 16 25.02 | −23 34.6 | 1.572 | 2.552 | 7.0 | 21.0 |
| 5 21 | 16 14.58 | −23 24.9 | 1.520 | 2.529 | 2.5 | 20.7 |
| 5 31 | 16 3.21 | −23 8.4 | 1.496 | 2.505 | 2.8 | 20.7 |
| 6 10 | 15 52.27 | −22 47.5 | 1.498 | 2.481 | 7.5 | 20.9 |
| 6 20 | 15 42.97 | −22 26.3 | 1.525 | 2.457 | 12.1 | 21.1 |
| 6 30 | 15 36.26 | −22 8.8 | 1.574 | 2.431 | 16.1 | 21.3 |

**436209** 2009 $XO_{17}$ 5 25.4 273°.37 2°.9/24.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.95 | −13 59.6 | 1.821 | 2.680 | 13.6 | 21.0 |
| 5 1 | 16 29.81 | −13 45.7 | 1.744 | 2.675 | 10.2 | 20.8 |
| 5 11 | 16 22.49 | −13 33.1 | 1.690 | 2.671 | 6.5 | 20.6 |
| 5 21 | 16 13.70 | −13 23.7 | 1.662 | 2.667 | 3.2 | 20.4 |
| 5 31 | 16 4.41 | −13 19.7 | 1.660 | 2.662 | 4.1 | 20.4 |
| 6 10 | 15 55.68 | −13 22.8 | 1.684 | 2.658 | 7.8 | 20.6 |
| 6 20 | 15 48.43 | −13 34.5 | 1.734 | 2.654 | 11.5 | 20.8 |
| 6 30 | 15 43.35 | −13 55.3 | 1.805 | 2.649 | 14.9 | 21.0 |

**507478** 2012 $TT_{262}$ 5 25.4 135°.40 1°.4/26.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.03 | −25 47.2 | 2.573 | 3.403 | 11.0 | 23.0 |
| 5 1 | 16 30.03 | −25 54.3 | 2.501 | 3.415 | 8.3 | 22.8 |
| 5 11 | 16 22.34 | −25 55.2 | 2.453 | 3.427 | 5.3 | 22.7 |
| 5 21 | 16 13.60 | −25 49.6 | 2.433 | 3.439 | 2.2 | 22.5 |
| 5 31 | 16 4.58 | −25 38.0 | 2.441 | 3.449 | 2.2 | 22.5 |
| 6 10 | 15 56.08 | −25 22.4 | 2.479 | 3.460 | 5.1 | 22.7 |
| 6 20 | 15 48.81 | −25 5.1 | 2.544 | 3.470 | 8.1 | 22.9 |
| 6 30 | 15 43.28 | −24 48.9 | 2.634 | 3.479 | 10.7 | 23.1 |

**301186** 2008 $YJ_{146}$ 5 25.4 19°.42 0°.8/25.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.01 | −20 17.4 | 1.803 | 2.663 | 13.6 | 20.9 |
| 5 1 | 16 28.36 | −19 59.0 | 1.733 | 2.666 | 10.1 | 20.7 |
| 5 11 | 16 21.57 | −19 36.0 | 1.685 | 2.669 | 6.2 | 20.4 |
| 5 21 | 16 13.40 | −19 9.9 | 1.663 | 2.672 | 2.0 | 20.2 |
| 5 31 | 16 4.83 | −18 43.2 | 1.667 | 2.676 | 2.7 | 20.2 |
| 6 10 | 15 56.92 | −18 19.0 | 1.698 | 2.680 | 6.9 | 20.5 |
| 6 20 | 15 50.54 | −18 0.1 | 1.753 | 2.684 | 10.8 | 20.7 |
| 6 30 | 15 46.33 | −17 48.9 | 1.830 | 2.689 | 14.1 | 21.0 |

**338577** 2003 $SS_{111}$ 5 25.4 247°.36 6°.7/21.5 15

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.80 | − 1 39.9 | 2.399 | 3.230 | 11.7 | 21.6 |
| 5 1 | 16 28.50 | − 0 45.4 | 2.311 | 3.211 | 9.5 | 21.4 |
| 5 11 | 16 21.52 | + 0 2.0 | 2.246 | 3.192 | 7.6 | 21.2 |
| 5 21 | 16 13.39 | + 0 38.3 | 2.208 | 3.172 | 6.7 | 21.1 |
| 5 31 | 16 4.81 | + 0 59.8 | 2.197 | 3.151 | 7.5 | 21.1 |
| 6 10 | 15 56.57 | + 1 4.4 | 2.212 | 3.130 | 9.5 | 21.2 |
| 6 20 | 15 49.38 | + 0 51.7 | 2.252 | 3.108 | 11.9 | 21.3 |
| 6 30 | 15 43.81 | + 0 22.6 | 2.312 | 3.085 | 14.2 | 21.5 |

**308689** 2006 $DQ_{117}$ 5 25.4 55°.54 4°.8/26.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.24 | −30 24.4 | 1.380 | 2.228 | 17.7 | 20.3 |
| 5 1 | 16 34.76 | −31 5.8 | 1.311 | 2.230 | 13.8 | 20.0 |
| 5 11 | 16 25.99 | −31 34.6 | 1.262 | 2.233 | 9.6 | 19.8 |
| 5 21 | 16 14.87 | −31 46.7 | 1.236 | 2.235 | 5.7 | 19.6 |
| 5 31 | 16 2.96 | −31 40.6 | 1.235 | 2.237 | 5.3 | 19.5 |
| 6 10 | 15 51.98 | −31 19.2 | 1.258 | 2.240 | 8.9 | 19.8 |
| 6 20 | 15 43.37 | −30 48.2 | 1.304 | 2.242 | 13.1 | 20.0 |
| 6 30 | 15 38.06 | −30 14.9 | 1.370 | 2.245 | 17.0 | 20.2 |

**182834** 2002 $CY_{2}$ 5 25.4 132°.93 4°.2/27.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.11 | −34 53.5 | 2.513 | 3.320 | 11.9 | 20.7 |
| 5 1 | 16 30.36 | −35 15.1 | 2.436 | 3.326 | 9.5 | 20.6 |
| 5 11 | 16 22.68 | −35 25.4 | 2.381 | 3.332 | 6.9 | 20.4 |
| 5 21 | 16 13.74 | −35 22.5 | 2.353 | 3.338 | 4.8 | 20.3 |
| 5 31 | 16 4.43 | −35 6.3 | 2.352 | 3.343 | 4.4 | 20.3 |
| 6 10 | 15 55.67 | −34 38.8 | 2.379 | 3.349 | 6.1 | 20.4 |
| 6 20 | 15 48.28 | −34 3.4 | 2.432 | 3.354 | 8.6 | 20.5 |
| 6 30 | 15 42.84 | −33 24.5 | 2.510 | 3.359 | 11.1 | 20.7 |

**281651** 2008 $UO_{344}$ 5 25.4 298°.68 2°.4/26.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.96 | −27 55.8 | 1.790 | 2.636 | 14.3 | 20.6 |
| 5 1 | 16 30.15 | −27 57.8 | 1.703 | 2.625 | 11.0 | 20.3 |
| 5 11 | 16 22.87 | −27 49.5 | 1.638 | 2.614 | 7.2 | 20.1 |
| 5 21 | 16 13.87 | −27 29.8 | 1.598 | 2.603 | 3.4 | 19.8 |
| 5 31 | 16 4.23 | −26 59.6 | 1.584 | 2.592 | 3.2 | 19.8 |
| 6 10 | 15 55.18 | −26 22.2 | 1.597 | 2.581 | 7.0 | 20.0 |
| 6 20 | 15 47.78 | −25 42.1 | 1.634 | 2.571 | 11.0 | 20.2 |
| 6 30 | 15 42.82 | −25 4.5 | 1.693 | 2.560 | 14.6 | 20.4 |

**338647** 2003 $SM_{318}$ 5 25.4 289°.71 5°.8/22.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.29 | − 9 1.8 | 1.821 | 2.681 | 13.5 | 20.7 |
| 5 1 | 16 27.76 | − 7 48.2 | 1.746 | 2.673 | 10.5 | 20.5 |
| 5 11 | 16 21.21 | − 6 36.8 | 1.694 | 2.664 | 7.5 | 20.3 |
| 5 21 | 16 13.31 | − 5 32.8 | 1.667 | 2.656 | 5.9 | 20.2 |
| 5 31 | 16 4.97 | − 4 41.7 | 1.667 | 2.648 | 7.0 | 20.2 |
| 6 10 | 15 57.18 | − 4 7.3 | 1.691 | 2.640 | 9.8 | 20.4 |
| 6 20 | 15 50.79 | − 3 51.5 | 1.739 | 2.632 | 13.1 | 20.6 |
| 6 30 | 15 46.44 | − 3 54.2 | 1.808 | 2.624 | 16.0 | 20.7 |

**339280** 2004 $XQ_{14}$ 5 25.4 292°.52 8°.9/22.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.89 | + 3 2.7 | 1.971 | 2.784 | 14.5 | 20.8 |
| 5 1 | 16 35.26 | + 3 22.2 | 1.856 | 2.741 | 12.3 | 20.6 |
| 5 11 | 16 26.11 | + 3 26.9 | 1.764 | 2.697 | 10.1 | 20.3 |
| 5 21 | 16 14.96 | + 3 11.8 | 1.696 | 2.653 | 8.9 | 20.2 |
| 5 31 | 16 2.73 | + 2 32.7 | 1.655 | 2.607 | 9.6 | 20.1 |
| 6 10 | 15 50.57 | + 1 28.4 | 1.641 | 2.561 | 12.0 | 20.1 |
| 6 20 | 15 39.60 | + 0 0.7 | 1.652 | 2.514 | 15.2 | 20.2 |
| 6 30 | 15 30.78 | − 1 46.4 | 1.685 | 2.466 | 18.4 | 20.3 |

**146369** 2001 $PD_{50}$ 5 25.4 242°.13 1°.7/24.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.49 | −17 13.5 | 1.770 | 2.626 | 14.0 | 20.4 |
| 5 1 | 16 31.11 | −17 3.2 | 1.688 | 2.619 | 10.5 | 20.2 |
| 5 11 | 16 23.38 | −16 51.2 | 1.629 | 2.612 | 6.5 | 19.9 |
| 5 21 | 16 14.02 | −16 39.0 | 1.596 | 2.604 | 2.5 | 19.7 |
| 5 31 | 16 4.07 | −16 28.5 | 1.589 | 2.596 | 3.3 | 19.7 |
| 6 10 | 15 54.69 | −16 22.0 | 1.610 | 2.588 | 7.6 | 19.9 |
| 6 20 | 15 46.87 | −16 21.7 | 1.655 | 2.580 | 11.7 | 20.2 |
| 6 30 | 15 41.38 | −16 29.5 | 1.721 | 2.572 | 15.2 | 20.4 |

**475535** 2006 $TN_{10}$ 5 25.4 284°.81 0°.1/25.5 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.10 | −23 3.9 | 2.085 | 2.935 | 12.5 | 21.5 |
| 5 1 | 16 28.29 | −22 41.8 | 2.000 | 2.927 | 9.3 | 21.3 |
| 5 11 | 16 21.51 | −22 12.9 | 1.938 | 2.920 | 5.7 | 21.0 |
| 5 21 | 16 13.41 | −21 38.2 | 1.902 | 2.912 | 1.8 | 20.7 |
| 5 31 | 16 4.87 | −21 0.0 | 1.894 | 2.904 | 2.2 | 20.8 |
| 6 10 | 15 56.85 | −20 21.4 | 1.914 | 2.897 | 6.2 | 21.0 |
| 6 20 | 15 50.18 | −19 46.0 | 1.959 | 2.889 | 9.9 | 21.2 |
| 6 30 | 15 45.48 | −19 16.9 | 2.027 | 2.881 | 13.1 | 21.4 |

**344556** 2002 $WF_{25}$ 5 25.4 335°.62 0°.3/25.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 26.66 | −22 35.1 | 4.073 | 4.908 | 7.2 | 21.0 |
| 5 1 | 16 22.67 | −22 33.0 | 3.986 | 4.907 | 5.3 | 20.9 |
| 5 11 | 16 17.72 | −22 28.2 | 3.926 | 4.905 | 3.3 | 20.7 |
| 5 21 | 16 12.17 | −22 21.0 | 3.894 | 4.903 | 1.1 | 20.6 |
| 5 31 | 16 6.43 | −22 12.1 | 3.892 | 4.902 | 1.2 | 20.6 |
| 6 10 | 16 0.94 | −22 2.4 | 3.919 | 4.900 | 3.4 | 20.7 |
| 6 20 | 15 56.07 | −21 53.1 | 3.974 | 4.898 | 5.5 | 20.9 |
| 6 30 | 15 52.15 | −21 45.5 | 4.055 | 4.897 | 7.3 | 21.0 |

**446765** 2015 $PA_{37}$ 5 25.4 337°.10 3°.9/26.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.17 | −29 54.3 | 1.773 | 2.619 | 14.5 | 20.5 |
| 5 1 | 16 28.97 | −30 28.1 | 1.687 | 2.605 | 11.4 | 20.3 |
| 5 11 | 16 22.25 | −30 52.2 | 1.622 | 2.592 | 7.9 | 20.1 |
| 5 21 | 16 13.72 | −31 4.3 | 1.582 | 2.580 | 4.7 | 19.9 |
| 5 31 | 16 4.44 | −31 3.3 | 1.567 | 2.569 | 4.3 | 19.8 |
| 6 10 | 15 55.68 | −30 50.9 | 1.577 | 2.559 | 7.4 | 20.0 |
| 6 20 | 15 48.56 | −30 30.7 | 1.612 | 2.549 | 11.1 | 20.2 |
| 6 30 | 15 43.93 | −30 7.6 | 1.668 | 2.540 | 14.6 | 20.4 |

**365246** 2009 $NE$ 5 25.4 152°.23 2°.2/23.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.91 | −12 26.7 | 4.045 | 4.866 | 7.5 | 22.9 |
| 5 1 | 16 29.22 | −11 44.8 | 3.971 | 4.882 | 5.6 | 22.8 |
| 5 11 | 16 21.56 | −11 2.9 | 3.926 | 4.896 | 3.7 | 22.7 |
| 5 21 | 16 13.34 | −10 22.9 | 3.912 | 4.909 | 2.3 | 22.6 |
| 5 31 | 16 5.02 | − 9 46.3 | 3.931 | 4.922 | 2.8 | 22.6 |
| 6 10 | 15 57.05 | − 9 14.9 | 3.982 | 4.933 | 4.6 | 22.8 |
| 6 20 | 15 49.85 | − 8 49.9 | 4.062 | 4.943 | 6.5 | 22.9 |
| 6 30 | 15 43.73 | − 8 31.8 | 4.169 | 4.952 | 8.2 | 23.0 |

**294588** 2007 $YF_{68}$ 5 25.4 199°.48 3°.8/27.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.84 | −34 4.3 | 2.505 | 3.315 | 11.8 | 21.1 |
| 5 1 | 16 30.18 | −34 16.0 | 2.419 | 3.313 | 9.4 | 20.9 |
| 5 11 | 16 22.60 | −34 16.3 | 2.356 | 3.311 | 6.8 | 20.8 |
| 5 21 | 16 13.74 | −34 3.8 | 2.319 | 3.308 | 4.5 | 20.6 |
| 5 31 | 16 4.47 | −33 38.6 | 2.310 | 3.305 | 4.0 | 20.6 |
| 6 10 | 15 55.72 | −33 2.8 | 2.329 | 3.302 | 6.0 | 20.7 |
| 6 20 | 15 48.30 | −32 20.3 | 2.375 | 3.299 | 8.7 | 20.9 |
| 6 30 | 15 42.82 | −31 35.3 | 2.444 | 3.295 | 11.2 | 21.0 |

**306906** 2001 $TO_{180}$ 5 25.4 200°.68 1°.0/25.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 37.46 | −25 17.1 | 2.395 | 3.227 | 11.7 | 22.8 |
| 5 1 | 16 31.31 | −25 5.2 | 2.306 | 3.222 | 8.8 | 22.6 |
| 5 11 | 16 23.26 | −24 46.1 | 2.240 | 3.217 | 5.5 | 22.3 |
| 5 21 | 16 13.95 | −24 19.6 | 2.203 | 3.210 | 2.1 | 22.1 |
| 5 31 | 16 4.22 | −23 47.3 | 2.194 | 3.203 | 2.1 | 22.1 |
| 6 10 | 15 55.00 | −23 11.7 | 2.215 | 3.196 | 5.6 | 22.3 |
| 6 20 | 15 47.06 | −22 36.2 | 2.263 | 3.187 | 9.0 | 22.5 |
| 6 30 | 15 41.02 | −22 4.1 | 2.334 | 3.178 | 12.0 | 22.7 |

**416853** 2005 $MV_{16}$ 5 25.4 284°.95 5°.4/23.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.88 | − 9 44.8 | 1.595 | 2.458 | 14.9 | 21.0 |
| 5 1 | 16 30.10 | − 9 7.2 | 1.513 | 2.444 | 11.6 | 20.7 |
| 5 11 | 16 22.87 | − 8 33.5 | 1.454 | 2.429 | 8.0 | 20.5 |
| 5 21 | 16 13.90 | − 8 7.8 | 1.419 | 2.415 | 5.5 | 20.3 |
| 5 31 | 16 4.25 | − 7 54.1 | 1.409 | 2.401 | 6.5 | 20.3 |
| 6 10 | 15 55.15 | − 7 55.2 | 1.424 | 2.387 | 10.0 | 20.5 |
| 6 20 | 15 47.65 | − 8 12.3 | 1.461 | 2.372 | 13.9 | 20.7 |
| 6 30 | 15 42.55 | − 8 44.9 | 1.519 | 2.358 | 17.4 | 20.9 |

**225848** 2001 $XO_{146}$ 5 25.4 91°.00 2°.0/24.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.87 | −15 50.4 | 1.741 | 2.598 | 14.2 | 20.3 |
| 5 1 | 16 31.21 | −15 46.3 | 1.677 | 2.608 | 10.6 | 20.1 |
| 5 11 | 16 23.31 | −15 42.4 | 1.636 | 2.618 | 6.5 | 19.9 |
| 5 21 | 16 13.97 | −15 39.9 | 1.620 | 2.627 | 2.7 | 19.6 |
| 5 31 | 16 4.24 | −15 40.4 | 1.631 | 2.637 | 3.5 | 19.7 |
| 6 10 | 15 55.24 | −15 45.6 | 1.669 | 2.647 | 7.5 | 20.0 |
| 6 20 | 15 47.89 | −15 57.0 | 1.732 | 2.656 | 11.3 | 20.2 |
| 6 30 | 15 42.84 | −16 15.3 | 1.816 | 2.665 | 14.6 | 20.4 |

**523172** 2016 $TG_{99}$ 5 25.4 298°.12 5°.6/23.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.57 | − 4 43.9 | 2.142 | 2.986 | 12.4 | 21.2 |
| 5 1 | 16 28.54 | − 4 29.4 | 2.056 | 2.971 | 9.8 | 21.0 |
| 5 11 | 16 21.65 | − 4 23.0 | 1.994 | 2.956 | 7.3 | 20.8 |
| 5 21 | 16 13.48 | − 4 27.4 | 1.957 | 2.941 | 5.6 | 20.7 |
| 5 31 | 16 4.81 | − 4 44.8 | 1.947 | 2.926 | 6.3 | 20.7 |
| 6 10 | 15 56.53 | − 5 16.1 | 1.963 | 2.912 | 8.7 | 20.8 |
| 6 20 | 15 49.42 | − 6 0.6 | 2.004 | 2.897 | 11.6 | 20.9 |
| 6 30 | 15 44.11 | − 6 56.9 | 2.068 | 2.883 | 14.3 | 21.1 |

**129771** 1999 $HQ_1$ 5 25.4 328°.30 5°.6/26.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.23 | −28 37.9 | 1.180 | 2.047 | 18.9 | 18.8 |
| 5 1 | 16 33.28 | −29 51.3 | 1.103 | 2.033 | 14.9 | 18.5 |
| 5 11 | 16 25.57 | −30 57.2 | 1.044 | 2.019 | 10.4 | 18.2 |
| 5 21 | 16 14.92 | −31 49.3 | 1.007 | 2.007 | 6.4 | 17.9 |
| 5 31 | 16 2.88 | −32 22.9 | 0.993 | 1.995 | 6.2 | 17.9 |
| 6 10 | 15 51.48 | −32 37.4 | 1.001 | 1.984 | 10.3 | 18.0 |
| 6 20 | 15 42.56 | −32 37.1 | 1.030 | 1.974 | 15.1 | 18.3 |
| 6 30 | 15 37.42 | −32 29.0 | 1.077 | 1.965 | 19.6 | 18.5 |

**181515** 2006 $UE_{77}$ 5 25.4 114°.45 2°.5/26.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.98 | −28 2.0 | 1.713 | 2.555 | 15.1 | 20.6 |
| 5 1 | 16 33.02 | −28 7.1 | 1.646 | 2.565 | 11.5 | 20.4 |
| 5 11 | 16 24.52 | −28 1.4 | 1.601 | 2.575 | 7.5 | 20.2 |
| 5 21 | 16 14.38 | −27 43.9 | 1.581 | 2.585 | 3.6 | 20.0 |
| 5 31 | 16 3.80 | −27 15.8 | 1.587 | 2.594 | 3.3 | 20.0 |
| 6 10 | 15 54.09 | −26 40.5 | 1.620 | 2.603 | 7.1 | 20.2 |
| 6 20 | 15 46.27 | −26 3.0 | 1.678 | 2.612 | 11.0 | 20.5 |
| 6 30 | 15 41.04 | −25 28.1 | 1.758 | 2.621 | 14.4 | 20.7 |

**351569** 2005 $UU_{221}$ 5 25.4 336°.53 0°.5/25.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.88 | −21 48.6 | 2.197 | 3.048 | 11.9 | 20.3 |
| 5 1 | 16 27.22 | −21 14.8 | 2.117 | 3.045 | 8.8 | 20.1 |
| 5 11 | 16 20.78 | −20 35.1 | 2.061 | 3.043 | 5.4 | 19.9 |
| 5 21 | 16 13.19 | −19 51.0 | 2.032 | 3.042 | 1.7 | 19.7 |
| 5 31 | 16 5.27 | −19 5.4 | 2.031 | 3.040 | 2.3 | 19.7 |
| 6 10 | 15 57.87 | −18 21.5 | 2.057 | 3.038 | 6.0 | 20.0 |
| 6 20 | 15 51.74 | −17 42.7 | 2.110 | 3.037 | 9.4 | 20.2 |
| 6 30 | 15 47.43 | −17 11.7 | 2.185 | 3.035 | 12.4 | 20.3 |

**415303** 2013 $GX_{85}$ 5 25.4 314°.45 4°.1/24.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.44 | −14 10.9 | 1.270 | 2.148 | 17.0 | 20.5 |
| 5 1 | 16 30.33 | −13 37.4 | 1.195 | 2.136 | 12.9 | 20.2 |
| 5 11 | 16 23.27 | −13 3.9 | 1.141 | 2.125 | 8.3 | 19.9 |
| 5 21 | 16 14.09 | −12 34.2 | 1.109 | 2.114 | 4.4 | 19.6 |
| 5 31 | 16 4.10 | −12 12.8 | 1.101 | 2.103 | 5.7 | 19.7 |
| 6 10 | 15 54.83 | −12 3.7 | 1.116 | 2.093 | 10.3 | 19.9 |
| 6 20 | 15 47.56 | −12 9.2 | 1.153 | 2.084 | 15.1 | 20.1 |
| 6 30 | 15 43.21 | −12 30.1 | 1.208 | 2.075 | 19.3 | 20.4 |

**167223** 2003 $UE_{40}$ 5 25.4 104°.85 1°.4/24.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.06 | −18 41.9 | 1.967 | 2.823 | 12.9 | 20.6 |
| 5 1 | 16 28.97 | −18 15.5 | 1.896 | 2.826 | 9.6 | 20.4 |
| 5 11 | 16 21.90 | −17 45.8 | 1.847 | 2.830 | 5.8 | 20.2 |
| 5 21 | 16 13.56 | −17 14.6 | 1.825 | 2.834 | 2.1 | 19.9 |
| 5 31 | 16 4.86 | −16 44.4 | 1.830 | 2.838 | 3.0 | 20.0 |
| 6 10 | 15 56.78 | −16 18.2 | 1.863 | 2.841 | 6.8 | 20.2 |
| 6 20 | 15 50.12 | −15 58.7 | 1.920 | 2.845 | 10.4 | 20.4 |
| 6 30 | 15 45.49 | −15 47.8 | 2.000 | 2.848 | 13.5 | 20.7 |

**100014** 1989 $SR_4$ 5 25.4 213°.42 0°.9/25.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 37.96 | −23 49.4 | 2.104 | 2.943 | 12.7 | 20.1 |
| 5 1 | 16 31.99 | −23 54.3 | 2.016 | 2.937 | 9.6 | 19.9 |
| 5 11 | 16 23.84 | −23 53.4 | 1.952 | 2.930 | 6.0 | 19.7 |
| 5 21 | 16 14.20 | −23 46.2 | 1.914 | 2.922 | 2.2 | 19.4 |
| 5 31 | 16 4.01 | −23 33.2 | 1.904 | 2.914 | 2.3 | 19.4 |
| 6 10 | 15 54.32 | −23 16.8 | 1.923 | 2.905 | 6.3 | 19.6 |
| 6 20 | 15 46.06 | −22 59.8 | 1.968 | 2.896 | 10.0 | 19.8 |
| 6 30 | 15 39.92 | −22 45.4 | 2.036 | 2.886 | 13.2 | 20.0 |

**120332** 2004 $OS_2$ 5 25.4 142°.75 6°.5/22.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.52 | − 3 2.6 | 2.155 | 2.991 | 12.6 | 20.0 |
| 5 1 | 16 29.72 | − 2 14.5 | 2.095 | 3.002 | 10.1 | 19.8 |
| 5 11 | 16 22.20 | − 1 34.7 | 2.059 | 3.012 | 7.7 | 19.7 |
| 5 21 | 16 13.62 | − 1 6.9 | 2.049 | 3.021 | 6.5 | 19.7 |
| 5 31 | 16 4.80 | − 0 54.3 | 2.066 | 3.030 | 7.2 | 19.7 |
| 6 10 | 15 56.57 | − 0 58.1 | 2.109 | 3.038 | 9.3 | 19.9 |
| 6 20 | 15 49.63 | − 1 18.0 | 2.177 | 3.046 | 11.7 | 20.0 |
| 6 30 | 15 44.50 | − 1 52.4 | 2.266 | 3.053 | 14.0 | 20.2 |

**1819** Laputa 5 25.4 326°.91 12°.6/19.9 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.43 | +12 7.0 | 1.855 | 2.657 | 15.7 | 14.7 |
| 5 1 | 16 27.95 | +13 0.8 | 1.784 | 2.638 | 14.2 | 14.6 |
| 5 11 | 16 21.41 | +13 33.8 | 1.732 | 2.619 | 13.0 | 14.4 |
| 5 21 | 16 13.45 | +13 39.5 | 1.701 | 2.601 | 12.7 | 14.4 |
| 5 31 | 16 4.97 | +13 13.6 | 1.692 | 2.583 | 13.3 | 14.4 |
| 6 10 | 15 56.97 | +12 15.4 | 1.704 | 2.566 | 14.7 | 14.4 |
| 6 20 | 15 50.33 | +10 48.0 | 1.736 | 2.550 | 16.6 | 14.5 |
| 6 30 | 15 45.72 | + 8 56.4 | 1.786 | 2.535 | 18.6 | 14.6 |

**297545** 2001 $QS_{128}$ 5 25.4 302°.62 1°.6/26.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.56 | −26 58.7 | 1.875 | 2.723 | 13.7 | 20.1 |
| 5 1 | 16 29.07 | −26 42.2 | 1.778 | 2.702 | 10.5 | 19.9 |
| 5 11 | 16 22.24 | −26 14.9 | 1.702 | 2.680 | 6.8 | 19.6 |
| 5 21 | 16 13.74 | −25 36.7 | 1.652 | 2.659 | 2.8 | 19.3 |
| 5 31 | 16 4.58 | −24 49.4 | 1.628 | 2.637 | 2.7 | 19.3 |
| 6 10 | 15 55.90 | −23 56.8 | 1.631 | 2.616 | 6.8 | 19.5 |
| 6 20 | 15 48.73 | −23 3.8 | 1.659 | 2.595 | 10.9 | 19.7 |
| 6 30 | 15 43.84 | −22 15.7 | 1.709 | 2.575 | 14.6 | 19.8 |

**185534** 2007 $WP_{54}$ 5 25.4 188°.67 4°.3/23.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.12 | − 8 59.4 | 2.296 | 3.145 | 11.5 | 20.3 |
| 5 1 | 16 27.25 | − 8 24.6 | 2.223 | 3.145 | 8.8 | 20.1 |
| 5 11 | 16 20.74 | − 7 53.4 | 2.174 | 3.145 | 6.1 | 20.0 |
| 5 21 | 16 13.19 | − 7 28.7 | 2.152 | 3.144 | 4.4 | 19.8 |
| 5 31 | 16 5.33 | − 7 13.2 | 2.157 | 3.144 | 5.1 | 19.9 |
| 6 10 | 15 57.93 | − 7 8.5 | 2.189 | 3.143 | 7.6 | 20.0 |
| 6 20 | 15 51.67 | − 7 15.5 | 2.246 | 3.143 | 10.3 | 20.2 |
| 6 30 | 15 47.06 | − 7 33.8 | 2.326 | 3.142 | 12.9 | 20.4 |

**469465** 2002 $RT_{39}$ 5 25.4 279°.33 4°.7/27.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.27 | −34 21.7 | 2.088 | 2.905 | 13.6 | 21.6 |
| 5 1 | 16 31.88 | −34 40.3 | 1.984 | 2.882 | 11.0 | 21.4 |
| 5 11 | 16 24.01 | −34 46.0 | 1.902 | 2.858 | 8.0 | 21.1 |
| 5 21 | 16 14.32 | −34 36.1 | 1.846 | 2.835 | 5.4 | 20.9 |
| 5 31 | 16 3.86 | −34 9.7 | 1.816 | 2.811 | 4.9 | 20.9 |
| 6 10 | 15 53.82 | −33 28.8 | 1.812 | 2.787 | 7.3 | 20.9 |
| 6 20 | 15 45.32 | −32 37.9 | 1.834 | 2.762 | 10.6 | 21.1 |
| 6 30 | 15 39.21 | −31 43.2 | 1.880 | 2.738 | 13.8 | 21.2 |

**59932** 1999 $RY_{181}$ 5 25.4 319°.03 2°.6/24.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.99 | −17 38.3 | 1.185 | 2.071 | 17.4 | 19.4 |
| 5 1 | 16 28.93 | −17 10.4 | 1.099 | 2.045 | 13.3 | 19.0 |
| 5 11 | 16 22.70 | −16 37.8 | 1.032 | 2.020 | 8.3 | 18.7 |
| 5 21 | 16 14.02 | −16 3.4 | 0.987 | 1.996 | 3.4 | 18.3 |
| 5 31 | 16 4.22 | −15 31.6 | 0.965 | 1.973 | 4.7 | 18.3 |
| 6 10 | 15 54.96 | −15 7.6 | 0.965 | 1.950 | 10.3 | 18.5 |
| 6 20 | 15 47.73 | −14 55.8 | 0.986 | 1.929 | 15.8 | 18.8 |
| 6 30 | 15 43.66 | −14 59.2 | 1.024 | 1.908 | 20.7 | 19.0 |

**98833** 2001 $AF_{12}$ 5 25.4 183°.45 2°.6/26.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.59 | −30 12.5 | 2.073 | 2.904 | 13.3 | 19.9 |
| 5 1 | 16 30.96 | −29 59.3 | 1.992 | 2.904 | 10.2 | 19.7 |
| 5 11 | 16 23.18 | −29 34.2 | 1.934 | 2.904 | 6.8 | 19.5 |
| 5 21 | 16 14.00 | −28 56.8 | 1.902 | 2.904 | 3.5 | 19.2 |
| 5 31 | 16 4.42 | −28 8.6 | 1.897 | 2.903 | 3.1 | 19.2 |
| 6 10 | 15 55.51 | −27 13.4 | 1.920 | 2.902 | 6.2 | 19.4 |
| 6 20 | 15 48.15 | −26 16.1 | 1.969 | 2.901 | 9.7 | 19.6 |
| 6 30 | 15 42.98 | −25 21.8 | 2.042 | 2.900 | 12.9 | 19.8 |

**119664** 2001 $XN_{67}$ 5 25.4 129°.26 2°.6/26.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.07 | −30 48.5 | 1.976 | 2.805 | 13.9 | 19.8 |
| 5 1 | 16 32.02 | −30 23.5 | 1.904 | 2.815 | 10.7 | 19.6 |
| 5 11 | 16 23.77 | −29 44.9 | 1.855 | 2.824 | 7.1 | 19.4 |
| 5 21 | 16 14.16 | −28 53.1 | 1.831 | 2.833 | 3.6 | 19.2 |
| 5 31 | 16 4.27 | −27 50.3 | 1.836 | 2.842 | 3.1 | 19.2 |
| 6 10 | 15 55.20 | −26 41.4 | 1.868 | 2.850 | 6.4 | 19.4 |
| 6 20 | 15 47.83 | −25 31.9 | 1.926 | 2.858 | 9.9 | 19.6 |
| 6 30 | 15 42.77 | −24 27.4 | 2.008 | 2.866 | 13.1 | 19.9 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **48199** 2001 $JU_6$ | | | 5 25.4 | 72°.16 | 9°.5/21.6 | 18 |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.86 | − 1 46.9 | 1.455 | 2.310 | 16.6 | 19.1 |
| 5 1 | 16 30.48 | − 0 17.4 | 1.416 | 2.330 | 13.4 | 19.0 |
| 5 11 | 16 22.83 | + 0 58.9 | 1.399 | 2.351 | 10.7 | 18.9 |
| 5 21 | 16 13.85 | + 1 54.8 | 1.405 | 2.371 | 9.5 | 18.8 |
| 5 31 | 16 4.70 | + 2 25.1 | 1.434 | 2.391 | 10.4 | 18.9 |
| 6 10 | 15 56.52 | + 2 28.3 | 1.487 | 2.411 | 12.8 | 19.1 |
| 6 20 | 15 50.18 | + 2 6.2 | 1.560 | 2.431 | 15.5 | 19.3 |
| 6 30 | 15 46.22 | + 1 22.7 | 1.652 | 2.451 | 18.0 | 19.6 |
| **222650** 2001 $XX_{174}$ | | | 5 25.4 | 159°.42 | 1°.7/24.8 | 18 |
| 4 21 | 16 36.78 | −16 42.4 | 2.064 | 2.913 | 12.6 | 20.7 |
| 5 1 | 16 30.92 | −16 31.7 | 1.991 | 2.918 | 9.4 | 20.5 |
| 5 11 | 16 23.08 | −16 20.0 | 1.942 | 2.923 | 5.8 | 20.3 |
| 5 21 | 16 13.97 | −16 8.4 | 1.919 | 2.927 | 2.3 | 20.1 |
| 5 31 | 16 4.47 | −15 58.8 | 1.925 | 2.931 | 3.1 | 20.2 |
| 6 10 | 15 55.56 | −15 53.0 | 1.958 | 2.934 | 6.7 | 20.4 |
| 6 20 | 15 48.05 | −15 52.8 | 2.017 | 2.937 | 10.2 | 20.6 |
| 6 30 | 15 42.55 | −15 59.5 | 2.099 | 2.939 | 13.2 | 20.8 |
| **68066** 2000 $YE_{71}$ | | | 5 25.4 | 144°.74 | 1°.7/24.8 | 18 |
| 4 21 | 16 38.98 | −17 53.9 | 1.851 | 2.700 | 13.8 | 20.3 |
| 5 1 | 16 32.67 | −17 31.1 | 1.784 | 2.711 | 10.3 | 20.1 |
| 5 11 | 16 24.18 | −17 5.6 | 1.740 | 2.721 | 6.3 | 19.9 |
| 5 21 | 16 14.31 | −16 39.0 | 1.723 | 2.731 | 2.4 | 19.6 |
| 5 31 | 16 4.08 | −16 13.9 | 1.733 | 2.740 | 3.2 | 19.7 |
| 6 10 | 15 54.61 | −15 53.3 | 1.771 | 2.748 | 7.2 | 20.0 |
| 6 20 | 15 46.76 | −15 39.5 | 1.835 | 2.755 | 11.0 | 20.2 |
| 6 30 | 15 41.19 | −15 34.5 | 1.920 | 2.762 | 14.2 | 20.4 |
| **310333** 2011 $UO_{182}$ | | | 5 25.4 | 340°.12 | 3°.2/26.7 | 17 |
| 4 21 | 16 35.21 | −29 21.9 | 1.188 | 2.055 | 18.7 | 19.8 |
| 5 1 | 16 31.33 | −29 13.1 | 1.117 | 2.049 | 14.5 | 19.5 |
| 5 11 | 16 24.06 | −28 47.3 | 1.064 | 2.044 | 9.6 | 19.2 |
| 5 21 | 16 14.39 | −28 3.1 | 1.034 | 2.039 | 4.7 | 18.9 |
| 5 31 | 16 3.93 | −27 3.0 | 1.026 | 2.035 | 4.1 | 18.9 |
| 6 10 | 15 54.48 | −25 53.6 | 1.042 | 2.031 | 9.0 | 19.1 |
| 6 20 | 15 47.47 | −24 43.7 | 1.079 | 2.028 | 14.1 | 19.4 |
| 6 30 | 15 43.83 | −23 41.6 | 1.135 | 2.026 | 18.6 | 19.7 |
| **59964** 1999 $RM_{235}$ | | | 5 25.4 | 353°.53 | 2°.7/24.5 | 17 |
| 4 21 | 16 31.96 | −14 14.1 | 1.808 | 2.672 | 13.4 | 18.0 |
| 5 1 | 16 27.63 | −14 4.0 | 1.734 | 2.668 | 10.1 | 17.8 |
| 5 11 | 16 21.23 | −13 55.4 | 1.683 | 2.665 | 6.4 | 17.5 |
| 5 21 | 16 13.42 | −13 50.1 | 1.656 | 2.662 | 3.1 | 17.3 |
| 5 31 | 16 5.14 | −13 49.9 | 1.656 | 2.660 | 3.9 | 17.4 |
| 6 10 | 15 57.42 | −13 56.8 | 1.683 | 2.659 | 7.6 | 17.6 |
| 6 20 | 15 51.13 | −14 11.6 | 1.733 | 2.658 | 11.2 | 17.8 |
| 6 30 | 15 46.92 | −14 34.9 | 1.805 | 2.658 | 14.5 | 18.0 |
| **501537** 2014 $HH_{161}$ | | | 5 25.4 | 129°.49 | 1°.8/24.7 | 18 |
| 4 21 | 16 33.71 | −14 56.0 | 2.436 | 3.283 | 11.0 | 21.2 |
| 5 1 | 16 28.39 | −14 55.9 | 2.361 | 3.287 | 8.2 | 21.0 |
| 5 11 | 16 21.45 | −14 56.5 | 2.311 | 3.291 | 5.1 | 20.8 |
| 5 21 | 16 13.45 | −14 58.9 | 2.288 | 3.295 | 2.2 | 20.6 |
| 5 31 | 16 5.13 | −15 4.0 | 2.294 | 3.298 | 2.9 | 20.7 |
| 6 10 | 15 57.26 | −15 12.9 | 2.328 | 3.302 | 5.9 | 20.9 |
| 6 20 | 15 50.51 | −15 26.6 | 2.388 | 3.305 | 8.9 | 21.1 |
| 6 30 | 15 45.41 | −15 45.6 | 2.472 | 3.309 | 11.6 | 21.3 |
| **69380** 1994 $YK_2$ | | | 5 25.5 | 83°.30 | 0°.7/25.2 | 18 |
| 4 21 | 16 36.40 | −18 46.9 | 1.952 | 2.804 | 13.1 | 18.9 |
| 5 1 | 16 30.69 | −18 51.4 | 1.890 | 2.818 | 9.7 | 18.7 |
| 5 11 | 16 22.96 | −18 53.8 | 1.850 | 2.832 | 5.9 | 18.5 |
| 5 21 | 16 13.94 | −18 54.7 | 1.837 | 2.846 | 1.9 | 18.2 |
| 5 31 | 16 4.60 | −18 55.0 | 1.852 | 2.861 | 2.5 | 18.3 |
| 6 10 | 15 55.94 | −18 56.5 | 1.894 | 2.875 | 6.4 | 18.6 |
| 6 20 | 15 48.79 | −19 0.9 | 1.962 | 2.889 | 10.0 | 18.8 |
| 6 30 | 15 43.73 | −19 9.7 | 2.052 | 2.902 | 13.1 | 19.0 |
| **430442** 2000 $PF_{23}$ | | | 5 25.5 | 284°.25 | 2°.1/26.3 | 17 |
| 4 21 | 16 37.00 | −27 26.6 | 1.817 | 2.660 | 14.3 | 20.8 |
| 5 1 | 16 31.90 | −27 21.6 | 1.711 | 2.631 | 11.1 | 20.6 |
| 5 11 | 16 24.16 | −27 6.0 | 1.627 | 2.602 | 7.3 | 20.3 |
| 5 21 | 16 14.45 | −26 38.5 | 1.567 | 2.573 | 3.3 | 19.9 |
| 5 31 | 16 3.83 | −25 59.8 | 1.535 | 2.543 | 3.1 | 19.9 |
| 6 10 | 15 53.60 | −25 13.3 | 1.529 | 2.513 | 7.3 | 20.1 |
| 6 20 | 15 44.95 | −24 23.9 | 1.548 | 2.483 | 11.7 | 20.2 |
| 6 30 | 15 38.81 | −23 37.6 | 1.589 | 2.452 | 15.7 | 20.4 |
| **498768** 2008 $UY_{68}$ | | | 5 25.5 | 171°.52 | 2°.6/24.3 | 17 |
| 4 21 | 16 35.01 | −14 22.9 | 2.128 | 2.978 | 12.2 | 22.0 |
| 5 1 | 16 29.56 | −14 1.3 | 2.053 | 2.980 | 9.2 | 21.8 |
| 5 11 | 16 22.25 | −13 40.0 | 2.003 | 2.982 | 5.8 | 21.6 |
| 5 21 | 16 13.73 | −13 21.0 | 1.979 | 2.983 | 2.9 | 21.5 |
| 5 31 | 16 4.85 | −13 6.4 | 1.983 | 2.984 | 3.7 | 21.5 |
| 6 10 | 15 56.50 | −12 58.3 | 2.014 | 2.985 | 6.9 | 21.7 |
| 6 20 | 15 49.46 | −12 58.2 | 2.072 | 2.986 | 10.2 | 21.9 |
| 6 30 | 15 44.30 | −13 6.8 | 2.151 | 2.986 | 13.2 | 22.1 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **56118** 1999 $CF_{14}$ | | | 5 25.5 | 9°.46 | 15°.0/17.1 | 17 |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 28.40 | + 5 29.4 | 1.202 | 2.063 | 18.9 | 17.7 |
| 5 1 | 16 25.52 | + 7 58.5 | 1.164 | 2.065 | 16.7 | 17.6 |
| 5 11 | 16 20.11 | +10 5.7 | 1.145 | 2.069 | 15.3 | 17.5 |
| 5 21 | 16 13.09 | +11 39.2 | 1.146 | 2.073 | 15.1 | 17.5 |
| 5 31 | 16 5.69 | +12 30.6 | 1.166 | 2.080 | 16.3 | 17.6 |
| 6 10 | 15 59.17 | +12 38.0 | 1.205 | 2.087 | 18.2 | 17.7 |
| 6 20 | 15 54.52 | +12 5.0 | 1.260 | 2.096 | 20.5 | 17.9 |
| 6 30 | 15 52.37 | +10 58.4 | 1.328 | 2.106 | 22.6 | 18.1 |
| **406443** 2007 $TW_{338}$ | | | 5 25.5 | 156°.71 | 2°.1/24.6 | 16 |
| 4 21 | 16 38.79 | −16 39.0 | 1.766 | 2.619 | 14.2 | 22.2 |
| 5 1 | 16 32.68 | −16 17.0 | 1.697 | 2.626 | 10.6 | 22.0 |
| 5 11 | 16 24.28 | −15 53.3 | 1.650 | 2.632 | 6.6 | 21.8 |
| 5 21 | 16 14.38 | −15 29.9 | 1.630 | 2.637 | 2.7 | 21.6 |
| 5 31 | 16 4.07 | −15 9.2 | 1.637 | 2.642 | 3.6 | 21.6 |
| 6 10 | 15 54.49 | −14 54.2 | 1.670 | 2.646 | 7.7 | 21.9 |
| 6 20 | 15 46.58 | −14 47.0 | 1.729 | 2.650 | 11.5 | 22.1 |
| 6 30 | 15 41.01 | −14 49.2 | 1.810 | 2.653 | 14.9 | 22.3 |
| **510608** 2012 $TO_{52}$ | | | 5 25.5 | 95°.85 | 0°.5/25.9 | 18 |
| 4 21 | 16 26.06 | −24 42.4 | 4.422 | 5.253 | 6.7 | 21.0 |
| 5 1 | 16 22.19 | −24 31.1 | 4.337 | 5.253 | 5.0 | 20.9 |
| 5 11 | 16 17.46 | −24 16.2 | 4.278 | 5.254 | 3.1 | 20.8 |
| 5 21 | 16 12.19 | −23 58.1 | 4.247 | 5.254 | 1.2 | 20.6 |
| 5 31 | 16 6.77 | −23 37.7 | 4.246 | 5.255 | 1.2 | 20.6 |
| 6 10 | 16 1.59 | −23 16.1 | 4.274 | 5.255 | 3.1 | 20.8 |
| 6 20 | 15 56.99 | −22 54.6 | 4.331 | 5.256 | 5.1 | 20.9 |
| 6 30 | 15 53.29 | −22 34.6 | 4.413 | 5.256 | 6.8 | 21.0 |
| **509744** 2008 $TR_{57}$ | | | 5 25.5 | 293°.61 | 1°.5/26.0 | 17 |
| 4 21 | 16 35.98 | −25 2.4 | 1.804 | 2.653 | 14.1 | 21.2 |
| 5 1 | 16 30.84 | −25 11.7 | 1.724 | 2.649 | 10.7 | 21.0 |
| 5 11 | 16 23.31 | −25 13.6 | 1.666 | 2.645 | 6.8 | 20.7 |
| 5 21 | 16 14.12 | −25 7.6 | 1.633 | 2.640 | 2.7 | 20.5 |
| 5 31 | 16 4.35 | −24 54.3 | 1.627 | 2.636 | 2.7 | 20.4 |
| 6 10 | 15 55.19 | −24 36.1 | 1.647 | 2.632 | 6.8 | 20.7 |
| 6 20 | 15 47.65 | −24 16.6 | 1.693 | 2.628 | 10.8 | 20.9 |
| 6 30 | 15 42.49 | −23 59.5 | 1.760 | 2.624 | 14.3 | 21.1 |
| **183930** 2004 $DQ_4$ | | | 5 25.5 | 171°.05 | 0°.7/25.2 | 17 |
| 4 21 | 16 37.74 | −19 58.7 | 1.772 | 2.625 | 14.1 | 20.9 |
| 5 1 | 16 32.01 | −19 49.4 | 1.698 | 2.627 | 10.6 | 20.7 |
| 5 11 | 16 23.94 | −19 36.0 | 1.647 | 2.629 | 6.5 | 20.5 |
| 5 21 | 16 14.30 | −19 19.4 | 1.621 | 2.630 | 2.1 | 20.2 |
| 5 31 | 16 4.17 | −19 1.5 | 1.623 | 2.632 | 2.8 | 20.2 |
| 6 10 | 15 54.73 | −18 45.0 | 1.651 | 2.632 | 7.2 | 20.5 |
| 6 20 | 15 46.93 | −18 32.8 | 1.704 | 2.633 | 11.2 | 20.8 |
| 6 30 | 15 41.50 | −18 27.4 | 1.780 | 2.633 | 14.7 | 21.0 |
| **437206** 2012 $WY_{10}$ | | | 5 25.5 | 233°.61 | 0°.3/25.3 | 18 |
| 4 21 | 16 34.64 | −20 36.5 | 2.162 | 3.010 | 12.1 | 21.6 |
| 5 1 | 16 29.40 | −20 30.9 | 2.078 | 3.005 | 9.1 | 21.4 |
| 5 11 | 16 22.23 | −20 21.5 | 2.018 | 3.000 | 5.6 | 21.2 |
| 5 21 | 16 13.76 | −20 9.0 | 1.985 | 2.994 | 1.7 | 20.9 |
| 5 31 | 16 4.83 | −19 54.6 | 1.979 | 2.989 | 2.3 | 20.9 |
| 6 10 | 15 56.38 | −19 40.6 | 2.002 | 2.983 | 6.1 | 21.2 |
| 6 20 | 15 49.23 | −19 29.3 | 2.050 | 2.977 | 9.7 | 21.4 |
| 6 30 | 15 44.00 | −19 23.0 | 2.121 | 2.971 | 12.8 | 21.6 |
| **396075** 2013 $CD_{81}$ | | | 5 25.5 | 218°.19 | 3°.9/22.9 | 16 |
| 4 21 | 16 31.42 | − 9 50.9 | 2.614 | 3.460 | 10.4 | 21.8 |
| 5 1 | 16 26.60 | − 9 4.4 | 2.534 | 3.454 | 7.9 | 21.7 |
| 5 11 | 16 20.33 | − 8 19.9 | 2.478 | 3.449 | 5.5 | 21.5 |
| 5 21 | 16 13.13 | − 7 40.2 | 2.450 | 3.442 | 3.9 | 21.4 |
| 5 31 | 16 5.62 | − 7 8.1 | 2.450 | 3.436 | 4.7 | 21.4 |
| 6 10 | 15 58.51 | − 6 45.9 | 2.478 | 3.429 | 7.0 | 21.6 |
| 6 20 | 15 52.38 | − 6 34.9 | 2.532 | 3.422 | 9.5 | 21.7 |
| 6 30 | 15 47.71 | − 6 35.4 | 2.608 | 3.415 | 11.9 | 21.9 |
| **170355** 2003 $SC_{184}$ | | | 5 25.5 | 120°.38 | 4°.5/27.0 | 18 |
| 4 21 | 16 41.71 | −31 22.2 | 1.644 | 2.477 | 16.0 | 20.3 |
| 5 1 | 16 35.36 | −31 55.1 | 1.577 | 2.487 | 12.5 | 20.1 |
| 5 11 | 16 26.15 | −32 15.2 | 1.532 | 2.497 | 8.7 | 19.9 |
| 5 21 | 16 15.01 | −32 19.4 | 1.510 | 2.506 | 5.3 | 19.7 |
| 5 31 | 16 3.30 | −32 7.0 | 1.515 | 2.515 | 4.8 | 19.7 |
| 6 10 | 15 52.51 | −31 40.9 | 1.546 | 2.524 | 7.9 | 19.9 |
| 6 20 | 15 43.82 | −31 6.5 | 1.601 | 2.533 | 11.6 | 20.1 |
| 6 30 | 15 38.03 | −30 30.1 | 1.678 | 2.541 | 15.0 | 20.4 |
| **215133** 1999 $TU_{33}$ | | | 5 25.5 | 271°.88 | 2°.7/23.7 | 18 R |
| 4 21 | 16 31.81 | −14 36.9 | 2.490 | 3.340 | 10.7 | 20.5 |
| 5 1 | 16 27.08 | −13 52.3 | 2.393 | 3.319 | 8.1 | 20.3 |
| 5 11 | 16 20.73 | −13 6.0 | 2.320 | 3.298 | 5.2 | 20.0 |
| 5 21 | 16 13.28 | −12 20.6 | 2.275 | 3.277 | 2.9 | 19.9 |
| 5 31 | 16 5.41 | −11 38.9 | 2.258 | 3.256 | 3.7 | 19.9 |
| 6 10 | 15 57.87 | −11 3.9 | 2.269 | 3.235 | 6.6 | 20.0 |
| 6 20 | 15 51.34 | −10 38.0 | 2.306 | 3.213 | 9.7 | 20.2 |
| 6 30 | 15 46.39 | −10 22.7 | 2.367 | 3.191 | 12.4 | 20.3 |

**365578** 2010 $TG_{113}$ 5 25.5 315.°91 5.°7/22.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 30.77 | −14 56.1 | 1.162 | 2.051 | 17.5 | 21.0 |
| 5 1 | 16 28.04 | −13 29.9 | 1.072 | 2.019 | 13.4 | 20.7 |
| 5 11 | 16 22.19 | −11 54.6 | 1.003 | 1.988 | 9.0 | 20.3 |
| 5 21 | 16 13.92 | −10 17.0 | 0.955 | 1.958 | 5.8 | 20.0 |
| 5 31 | 16 4.52 | − 8 46.7 | 0.930 | 1.928 | 7.7 | 20.0 |
| 6 10 | 15 55.62 | − 7 33.6 | 0.927 | 1.899 | 12.7 | 20.2 |
| 6 20 | 15 48.68 | − 6 45.0 | 0.943 | 1.870 | 18.0 | 20.4 |
| 6 30 | 15 44.84 | − 6 24.3 | 0.975 | 1.843 | 22.8 | 20.6 |

**91073** 1998 $FN_{78}$ 5 25.5 121.°59 4.°0/26.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.07 | −30 43.2 | 2.001 | 2.824 | 13.9 | 18.6 |
| 5 1 | 16 34.49 | −31 29.3 | 1.930 | 2.835 | 10.9 | 18.4 |
| 5 11 | 16 25.47 | −32 5.5 | 1.883 | 2.845 | 7.6 | 18.2 |
| 5 21 | 16 14.79 | −32 29.0 | 1.861 | 2.856 | 4.7 | 18.0 |
| 5 31 | 16 3.58 | −32 38.4 | 1.867 | 2.866 | 4.4 | 18.0 |
| 6 10 | 15 53.06 | −32 35.1 | 1.901 | 2.875 | 7.0 | 18.2 |
| 6 20 | 15 44.25 | −32 22.6 | 1.960 | 2.885 | 10.2 | 18.4 |
| 6 30 | 15 37.90 | −32 5.8 | 2.042 | 2.893 | 13.1 | 18.6 |

**273680** 2007 $EM_{14}$ 5 25.5 153.°57 2.°1/26.3 15

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.80 | −27 8.5 | 2.242 | 3.069 | 12.5 | 21.4 |
| 5 1 | 16 33.17 | −27 23.4 | 2.167 | 3.079 | 9.5 | 21.2 |
| 5 11 | 16 24.49 | −27 30.6 | 2.116 | 3.088 | 6.2 | 21.1 |
| 5 21 | 16 14.46 | −27 28.9 | 2.092 | 3.096 | 2.9 | 20.9 |
| 5 31 | 16 4.03 | −27 18.7 | 2.096 | 3.103 | 2.7 | 20.9 |
| 6 10 | 15 54.22 | −27 2.0 | 2.130 | 3.110 | 5.9 | 21.1 |
| 6 20 | 15 45.89 | −26 41.8 | 2.190 | 3.115 | 9.2 | 21.3 |
| 6 30 | 15 39.65 | −26 21.7 | 2.274 | 3.121 | 12.1 | 21.5 |

**476404** 2008 $CG_{207}$ 5 25.5 156.°82 1.°9/24.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.86 | −15 55.0 | 2.534 | 3.381 | 10.6 | 22.4 |
| 5 1 | 16 27.70 | −15 30.7 | 2.459 | 3.385 | 7.9 | 22.3 |
| 5 11 | 16 21.01 | −15 5.5 | 2.410 | 3.389 | 4.9 | 22.1 |
| 5 21 | 16 13.35 | −14 41.1 | 2.387 | 3.393 | 2.2 | 21.9 |
| 5 31 | 16 5.42 | −14 19.5 | 2.393 | 3.397 | 2.9 | 22.0 |
| 6 10 | 15 57.95 | −14 2.6 | 2.428 | 3.400 | 5.9 | 22.1 |
| 6 20 | 15 51.56 | −13 52.1 | 2.489 | 3.403 | 8.8 | 22.3 |
| 6 30 | 15 46.74 | −13 49.0 | 2.574 | 3.405 | 11.3 | 22.5 |

**129492** 1994 $TF_{13}$ 5 25.5 148.°95 4.°3/22.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.66 | −11 10.9 | 2.121 | 2.973 | 12.2 | 20.3 |
| 5 1 | 16 28.47 | −10 9.7 | 2.053 | 2.978 | 9.3 | 20.1 |
| 5 11 | 16 21.55 | − 9 9.8 | 2.009 | 2.983 | 6.3 | 20.0 |
| 5 21 | 16 13.52 | − 8 15.0 | 1.992 | 2.987 | 4.4 | 19.9 |
| 5 31 | 16 5.22 | − 7 29.3 | 2.003 | 2.991 | 5.3 | 19.9 |
| 6 10 | 15 57.49 | − 6 55.8 | 2.041 | 2.995 | 8.0 | 20.1 |
| 6 20 | 15 51.04 | − 6 36.2 | 2.104 | 2.999 | 11.0 | 20.3 |
| 6 30 | 15 46.40 | − 6 30.9 | 2.188 | 3.002 | 13.6 | 20.5 |

**184539** 2005 $QG_{36}$ 5 25.5 253.°06 5.°1/22.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.65 | − 5 50.3 | 2.615 | 3.455 | 10.5 | 20.7 |
| 5 1 | 16 26.84 | − 4 59.1 | 2.526 | 3.438 | 8.3 | 20.6 |
| 5 11 | 16 20.53 | − 4 12.0 | 2.462 | 3.421 | 6.2 | 20.4 |
| 5 21 | 16 13.23 | − 3 32.3 | 2.424 | 3.404 | 5.1 | 20.3 |
| 5 31 | 16 5.55 | − 3 3.0 | 2.415 | 3.386 | 5.9 | 20.3 |
| 6 10 | 15 58.19 | − 2 46.4 | 2.433 | 3.368 | 7.9 | 20.4 |
| 6 20 | 15 51.78 | − 2 43.4 | 2.475 | 3.349 | 10.3 | 20.6 |
| 6 30 | 15 46.82 | − 2 54.1 | 2.540 | 3.330 | 12.6 | 20.7 |

**286475** 2002 $AC_{152}$ 5 25.5 165.°55 5.°9/21.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.96 | + 0 4.1 | 2.895 | 3.717 | 10.1 | 21.4 |
| 5 1 | 16 26.80 | + 0 43.3 | 2.829 | 3.721 | 8.3 | 21.3 |
| 5 11 | 16 20.36 | + 1 14.5 | 2.788 | 3.725 | 6.7 | 21.2 |
| 5 21 | 16 13.14 | + 1 34.9 | 2.773 | 3.729 | 5.9 | 21.1 |
| 5 31 | 16 5.70 | + 1 42.2 | 2.786 | 3.732 | 6.5 | 21.2 |
| 6 10 | 15 58.65 | + 1 35.5 | 2.825 | 3.735 | 8.0 | 21.3 |
| 6 20 | 15 52.51 | + 1 15.2 | 2.889 | 3.737 | 9.8 | 21.4 |
| 6 30 | 15 47.69 | + 0 42.5 | 2.976 | 3.739 | 11.6 | 21.5 |

**407676** 2011 $UX_{27}$ 5 25.5 134.°55 3.°5/24.0 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.83 | −16 3.9 | 1.420 | 2.288 | 16.1 | 21.1 |
| 5 1 | 16 31.67 | −15 10.3 | 1.354 | 2.291 | 12.1 | 20.9 |
| 5 11 | 16 23.86 | −14 13.8 | 1.310 | 2.293 | 7.6 | 20.6 |
| 5 21 | 16 14.31 | −13 18.4 | 1.290 | 2.296 | 3.8 | 20.4 |
| 5 31 | 16 4.27 | −12 29.5 | 1.296 | 2.298 | 5.1 | 20.5 |
| 6 10 | 15 55.10 | −11 51.9 | 1.326 | 2.300 | 9.4 | 20.7 |
| 6 20 | 15 47.88 | −11 29.0 | 1.380 | 2.302 | 13.7 | 21.0 |
| 6 30 | 15 43.33 | −11 22.2 | 1.453 | 2.304 | 17.5 | 21.2 |

**497616** 2006 $QF_{13}$ 5 25.5 301.°85 2.°5/24.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.39 | −16 5.4 | 1.385 | 2.255 | 16.3 | 21.3 |
| 5 1 | 16 32.09 | −15 56.0 | 1.283 | 2.221 | 12.5 | 20.9 |
| 5 11 | 16 24.67 | −15 46.2 | 1.202 | 2.187 | 8.0 | 20.6 |
| 5 21 | 16 14.75 | −15 37.5 | 1.145 | 2.153 | 3.3 | 20.2 |
| 5 31 | 16 3.51 | −15 32.7 | 1.112 | 2.118 | 4.4 | 20.2 |
| 6 10 | 15 52.49 | −15 34.5 | 1.103 | 2.084 | 9.8 | 20.3 |
| 6 20 | 15 43.21 | −15 45.8 | 1.116 | 2.050 | 15.2 | 20.5 |
| 6 30 | 15 36.89 | −16 8.7 | 1.148 | 2.016 | 20.0 | 20.7 |

**234074** 1999 $RX_{251}$ 5 25.5 284.°32 9.°5/30.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 41.57 | −46 37.7 | 1.927 | 2.693 | 16.4 | 20.0 |
| 5 1 | 16 35.81 | −47 12.3 | 1.828 | 2.672 | 14.3 | 19.8 |
| 5 11 | 16 26.77 | −47 25.1 | 1.748 | 2.651 | 12.1 | 19.6 |
| 5 21 | 16 15.33 | −47 10.1 | 1.690 | 2.630 | 10.2 | 19.4 |
| 5 31 | 16 2.94 | −46 23.9 | 1.656 | 2.609 | 9.5 | 19.3 |
| 6 10 | 15 51.32 | −45 8.6 | 1.646 | 2.588 | 10.5 | 19.3 |
| 6 20 | 15 41.94 | −43 31.2 | 1.660 | 2.566 | 12.8 | 19.4 |
| 6 30 | 15 35.79 | −41 41.5 | 1.695 | 2.545 | 15.4 | 19.5 |

**410221** 2007 $RR_{313}$ 5 25.5 254.°26 2.°6/26.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.44 | −26 17.1 | 1.587 | 2.434 | 15.8 | 21.5 |
| 5 1 | 16 34.76 | −26 45.8 | 1.498 | 2.421 | 12.2 | 21.2 |
| 5 11 | 16 26.06 | −27 6.8 | 1.431 | 2.407 | 8.0 | 20.9 |
| 5 21 | 16 15.11 | −27 17.7 | 1.388 | 2.393 | 3.7 | 20.7 |
| 5 31 | 16 3.19 | −27 17.3 | 1.371 | 2.379 | 3.6 | 20.6 |
| 6 10 | 15 51.81 | −27 7.4 | 1.381 | 2.364 | 8.0 | 20.8 |
| 6 20 | 15 42.34 | −26 52.0 | 1.414 | 2.349 | 12.5 | 21.1 |
| 6 30 | 15 35.79 | −26 36.2 | 1.468 | 2.334 | 16.6 | 21.3 |

**151175** 2001 $XP_{189}$ 5 25.5 266.°38 0.°5/25.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.47 | −21 2.6 | 1.950 | 2.799 | 13.2 | 20.0 |
| 5 1 | 16 31.16 | −20 43.9 | 1.849 | 2.777 | 10.0 | 19.7 |
| 5 11 | 16 23.54 | −20 19.5 | 1.772 | 2.754 | 6.2 | 19.4 |
| 5 21 | 16 14.26 | −19 50.2 | 1.721 | 2.730 | 2.0 | 19.1 |
| 5 31 | 16 4.27 | −19 18.0 | 1.697 | 2.707 | 2.6 | 19.1 |
| 6 10 | 15 54.68 | −18 46.1 | 1.701 | 2.682 | 7.0 | 19.3 |
| 6 20 | 15 46.48 | −18 18.2 | 1.730 | 2.657 | 11.2 | 19.5 |
| 6 30 | 15 40.48 | −17 57.5 | 1.782 | 2.632 | 14.8 | 19.7 |

**238831** 2005 $TZ_{61}$ 5 25.5 144.°42 1.°8/24.8 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.78 | −18 27.1 | 1.485 | 2.346 | 16.0 | 21.7 |
| 5 1 | 16 33.81 | −18 2.6 | 1.420 | 2.353 | 12.0 | 21.4 |
| 5 11 | 16 25.15 | −17 34.3 | 1.376 | 2.359 | 7.3 | 21.2 |
| 5 21 | 16 14.72 | −17 4.2 | 1.357 | 2.366 | 2.7 | 20.9 |
| 5 31 | 16 3.81 | −16 35.5 | 1.364 | 2.371 | 3.7 | 21.0 |
| 6 10 | 15 53.80 | −16 11.9 | 1.397 | 2.377 | 8.4 | 21.3 |
| 6 20 | 15 45.78 | −15 56.6 | 1.453 | 2.381 | 12.8 | 21.6 |
| 6 30 | 15 40.49 | −15 52.0 | 1.531 | 2.385 | 16.6 | 21.8 |

**196556** 2003 $QH_{12}$ 5 25.5 256.°58 3.°9/23.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.92 | −11 59.4 | 1.912 | 2.769 | 13.1 | 20.1 |
| 5 1 | 16 28.98 | −11 23.9 | 1.836 | 2.764 | 10.0 | 19.9 |
| 5 11 | 16 22.03 | −10 50.0 | 1.782 | 2.760 | 6.6 | 19.7 |
| 5 21 | 16 13.73 | −10 20.9 | 1.755 | 2.755 | 4.1 | 19.5 |
| 5 31 | 16 5.00 | − 9 59.6 | 1.754 | 2.750 | 5.0 | 19.5 |
| 6 10 | 15 56.81 | − 9 48.9 | 1.780 | 2.745 | 8.2 | 19.7 |
| 6 20 | 15 49.99 | − 9 50.0 | 1.830 | 2.741 | 11.6 | 19.9 |
| 6 30 | 15 45.19 | −10 3.3 | 1.902 | 2.736 | 14.7 | 20.1 |

**183986** 2004 $EH_{48}$ 5 25.5 126.°41 0.°2/25.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.91 | −22 0.9 | 1.793 | 2.642 | 14.2 | 21.5 |
| 5 1 | 16 32.81 | −22 0.4 | 1.727 | 2.653 | 10.6 | 21.3 |
| 5 11 | 16 24.39 | −21 54.5 | 1.683 | 2.663 | 6.5 | 21.1 |
| 5 21 | 16 14.48 | −21 43.5 | 1.664 | 2.673 | 2.1 | 20.8 |
| 5 31 | 16 4.15 | −21 28.6 | 1.673 | 2.683 | 2.5 | 20.8 |
| 6 10 | 15 54.60 | −21 12.6 | 1.710 | 2.692 | 6.8 | 21.1 |
| 6 20 | 15 46.76 | −20 58.4 | 1.771 | 2.701 | 10.8 | 21.4 |
| 6 30 | 15 41.30 | −20 49.1 | 1.855 | 2.710 | 14.1 | 21.6 |

**91131** 1998 $HX_{144}$ 5 25.5 238.°45 2.°5/26.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.84 | −25 9.9 | 1.984 | 2.820 | 13.6 | 19.0 |
| 5 1 | 16 34.49 | −26 3.2 | 1.896 | 2.813 | 10.4 | 18.8 |
| 5 11 | 16 25.63 | −26 52.4 | 1.832 | 2.806 | 6.8 | 18.6 |
| 5 21 | 16 14.95 | −27 34.8 | 1.794 | 2.798 | 3.3 | 18.3 |
| 5 31 | 16 3.47 | −28 8.1 | 1.785 | 2.791 | 3.3 | 18.3 |
| 6 10 | 15 52.42 | −28 32.5 | 1.804 | 2.783 | 6.8 | 18.5 |
| 6 20 | 15 42.90 | −28 49.6 | 1.849 | 2.775 | 10.6 | 18.7 |
| 6 30 | 15 35.77 | −29 2.6 | 1.916 | 2.767 | 13.9 | 18.9 |

**510457** 2011 $WS_{38}$ 5 25.5 253.°52 0.°6/25.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.89 | −19 21.5 | 2.491 | 3.335 | 10.9 | 22.2 |
| 5 1 | 16 28.69 | −19 19.1 | 2.397 | 3.322 | 8.1 | 22.0 |
| 5 11 | 16 21.77 | −19 14.3 | 2.327 | 3.308 | 5.0 | 21.8 |
| 5 21 | 16 13.67 | −19 7.7 | 2.285 | 3.294 | 1.6 | 21.5 |
| 5 31 | 16 5.11 | −19 0.3 | 2.271 | 3.280 | 2.2 | 21.5 |
| 6 10 | 15 56.89 | −18 53.7 | 2.286 | 3.265 | 5.6 | 21.7 |
| 6 20 | 15 49.75 | −18 49.7 | 2.327 | 3.250 | 8.9 | 21.9 |
| 6 30 | 15 44.26 | −18 50.0 | 2.392 | 3.235 | 11.7 | 22.1 |

**110079** 2001 $SR_{114}$ 5 25.5 189.°91 3.°5/23.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.53 | −13 22.3 | 2.093 | 2.943 | 12.4 | 20.5 |
| 5 1 | 16 29.98 | −12 32.0 | 2.016 | 2.942 | 9.4 | 20.3 |
| 5 11 | 16 22.55 | −11 41.3 | 1.964 | 2.940 | 6.1 | 20.1 |
| 5 21 | 16 13.90 | −10 53.3 | 1.938 | 2.938 | 3.7 | 19.9 |
| 5 31 | 16 4.89 | −10 11.8 | 1.940 | 2.936 | 4.6 | 20.0 |
| 6 10 | 15 56.43 | − 9 39.9 | 1.970 | 2.933 | 7.7 | 20.2 |
| 6 20 | 15 49.29 | − 9 19.9 | 2.025 | 2.929 | 10.9 | 20.4 |
| 6 30 | 15 44.07 | − 9 12.6 | 2.103 | 2.925 | 13.8 | 20.5 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **474774** 2005 $QN_{122}$ | | | 5 25.5 266°.14 | | 0°.2/25.5 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.70 | −22 25.4 | 2.437 | 3.279 | 11.1 | 22.2 |
| 5 1 | 16 28.64 | −22 14.4 | 2.337 | 3.260 | 8.4 | 22.0 |
| 5 11 | 16 21.79 | −21 58.4 | 2.262 | 3.242 | 5.2 | 21.8 |
| 5 21 | 16 13.69 | −21 37.8 | 2.214 | 3.223 | 1.7 | 21.5 |
| 5 31 | 16 5.10 | −21 13.8 | 2.194 | 3.203 | 2.0 | 21.5 |
| 6 10 | 15 56.87 | −20 48.8 | 2.202 | 3.184 | 5.6 | 21.7 |
| 6 20 | 15 49.74 | −20 25.4 | 2.238 | 3.164 | 9.0 | 21.9 |
| 6 30 | 15 44.34 | −20 6.3 | 2.296 | 3.144 | 12.0 | 22.0 |
| **68736** 2002 $EQ_{28}$ | | | 5 25.5 325°.43 | | 3°.9/24.0 18 | |
| 4 21 | 16 32.05 | −13 42.0 | 1.470 | 2.344 | 15.3 | 19.0 |
| 5 1 | 16 28.28 | −13 8.3 | 1.389 | 2.328 | 11.7 | 18.8 |
| 5 11 | 16 21.96 | −12 34.9 | 1.329 | 2.312 | 7.6 | 18.5 |
| 5 21 | 16 13.81 | −12 5.4 | 1.293 | 2.297 | 4.2 | 18.2 |
| 5 31 | 16 4.95 | −11 43.8 | 1.281 | 2.283 | 5.3 | 18.3 |
| 6 10 | 15 56.65 | −11 33.7 | 1.294 | 2.269 | 9.5 | 18.5 |
| 6 20 | 15 50.02 | −11 37.3 | 1.329 | 2.256 | 13.8 | 18.7 |
| 6 30 | 15 45.91 | −11 55.2 | 1.383 | 2.244 | 17.7 | 18.9 |
| **106733** 2000 $WQ_{184}$ | | | 5 25.5 51°.60 | | 2°.0/24.9 18 | |
| 4 21 | 16 37.01 | −17 24.5 | 1.330 | 2.202 | 16.8 | 19.3 |
| 5 1 | 16 31.95 | −17 11.7 | 1.273 | 2.211 | 12.6 | 19.1 |
| 5 11 | 16 24.10 | −16 57.3 | 1.236 | 2.221 | 7.7 | 18.8 |
| 5 21 | 16 14.43 | −16 42.9 | 1.222 | 2.231 | 2.9 | 18.6 |
| 5 31 | 16 4.29 | −16 31.2 | 1.234 | 2.241 | 3.8 | 18.7 |
| 6 10 | 15 55.12 | −16 25.1 | 1.269 | 2.252 | 8.7 | 19.0 |
| 6 20 | 15 48.03 | −16 27.0 | 1.328 | 2.263 | 13.2 | 19.3 |
| 6 30 | 15 43.76 | −16 38.4 | 1.406 | 2.274 | 17.1 | 19.5 |
| **87330** 2000 $QJ_{18}$ | | | 5 25.5 348°.73 | | 3°.2/26.7 17 | |
| 4 21 | 16 33.39 | −28 33.8 | 1.334 | 2.199 | 17.2 | 19.0 |
| 5 1 | 16 29.71 | −28 41.3 | 1.261 | 2.192 | 13.3 | 18.8 |
| 5 11 | 16 23.00 | −28 35.6 | 1.208 | 2.186 | 8.8 | 18.5 |
| 5 21 | 16 14.16 | −28 15.2 | 1.176 | 2.181 | 4.4 | 18.2 |
| 5 31 | 16 4.57 | −27 41.2 | 1.169 | 2.177 | 4.0 | 18.2 |
| 6 10 | 15 55.82 | −26 58.0 | 1.186 | 2.174 | 8.3 | 18.4 |
| 6 20 | 15 49.19 | −26 11.8 | 1.225 | 2.172 | 12.9 | 18.7 |
| 6 30 | 15 45.58 | −25 29.2 | 1.283 | 2.171 | 17.1 | 18.9 |
| **501098** 2013 $SP_{81}$ | | | 5 25.5 193°.36 | | 0°.8/25.1 17 | |
| 4 21 | 16 36.00 | −20 13.5 | 2.429 | 3.270 | 11.2 | 22.6 |
| 5 1 | 16 30.18 | −19 48.0 | 2.344 | 3.267 | 8.4 | 22.4 |
| 5 11 | 16 22.62 | −19 18.3 | 2.284 | 3.265 | 5.1 | 22.2 |
| 5 21 | 16 13.93 | −18 45.4 | 2.252 | 3.261 | 1.7 | 21.9 |
| 5 31 | 16 4.88 | −18 11.6 | 2.249 | 3.257 | 2.3 | 22.0 |
| 6 10 | 15 56.32 | −17 39.5 | 2.274 | 3.252 | 5.8 | 22.2 |
| 6 20 | 15 48.95 | −17 11.7 | 2.327 | 3.246 | 9.0 | 22.4 |
| 6 30 | 15 43.33 | −16 50.5 | 2.404 | 3.240 | 11.9 | 22.6 |
| **432483** 2010 $DC_{74}$ | | | 5 25.5 43°.57 | | 1°.3/26.0 17 | |
| 4 21 | 16 35.16 | −25 0.9 | 1.751 | 2.603 | 14.3 | 21.1 |
| 5 1 | 16 30.16 | −24 59.5 | 1.683 | 2.610 | 10.8 | 20.9 |
| 5 11 | 16 22.85 | −24 50.0 | 1.638 | 2.617 | 6.8 | 20.7 |
| 5 21 | 16 14.03 | −24 32.6 | 1.617 | 2.625 | 2.6 | 20.4 |
| 5 31 | 16 4.79 | −24 8.6 | 1.623 | 2.633 | 2.6 | 20.4 |
| 6 10 | 15 56.29 | −23 41.4 | 1.655 | 2.641 | 6.7 | 20.7 |
| 6 20 | 15 49.48 | −23 14.6 | 1.712 | 2.649 | 10.6 | 21.0 |
| 6 30 | 15 45.02 | −22 52.0 | 1.791 | 2.657 | 14.0 | 21.2 |
| **398455** 2011 $UP_{76}$ | | | 5 25.5 184°.25 | | 1°.3/26.2 17 | |
| 4 21 | 16 33.81 | −26 24.9 | 2.748 | 3.578 | 10.4 | 21.9 |
| 5 1 | 16 28.45 | −26 18.1 | 2.663 | 3.578 | 7.9 | 21.8 |
| 5 11 | 16 21.52 | −26 4.6 | 2.603 | 3.578 | 5.0 | 21.6 |
| 5 21 | 16 13.58 | −25 44.4 | 2.571 | 3.577 | 2.1 | 21.4 |
| 5 31 | 16 5.33 | −25 18.7 | 2.568 | 3.576 | 2.0 | 21.4 |
| 6 10 | 15 57.51 | −24 49.5 | 2.593 | 3.575 | 4.9 | 21.5 |
| 6 20 | 15 50.78 | −24 19.4 | 2.646 | 3.573 | 7.8 | 21.7 |
| 6 30 | 15 45.64 | −23 51.3 | 2.724 | 3.571 | 10.3 | 21.9 |
| **26181** 1996 $GQ_{21}$ | | | 5 25.5 11°.93 | | 0°.2/23.5 15 | |
| 4 21 | 16 12.22 | −10 43.7 | 43.912 | 44.754 | 0.7 | 21.5 |
| 5 1 | 16 11.61 | −10 40.5 | 43.844 | 44.764 | 0.5 | 21.5 |
| 5 11 | 16 10.93 | −10 37.5 | 43.802 | 44.774 | 0.4 | 21.4 |
| 5 21 | 16 10.21 | −10 34.8 | 43.789 | 44.785 | 0.2 | 21.4 |
| 5 31 | 16 9.48 | −10 32.5 | 43.805 | 44.795 | 0.3 | 21.4 |
| 6 10 | 16 8.77 | −10 30.6 | 43.849 | 44.805 | 0.4 | 21.5 |
| 6 20 | 16 8.10 | −10 29.2 | 43.920 | 44.815 | 0.6 | 21.5 |
| 6 30 | 16 7.49 | −10 28.4 | 44.017 | 44.826 | 0.8 | 21.5 |
| **148415** 2000 $WK_{73}$ | | | 5 25.5 49°.71 | | 1°.7/26.5 18 | |
| 4 21 | 16 33.57 | −28 10.8 | 2.228 | 3.064 | 12.2 | 19.8 |
| 5 1 | 16 28.57 | −27 51.1 | 2.150 | 3.067 | 9.3 | 19.6 |
| 5 11 | 16 21.71 | −27 21.5 | 2.095 | 3.069 | 6.0 | 19.4 |
| 5 21 | 16 13.65 | −26 42.5 | 2.066 | 3.071 | 2.7 | 19.2 |
| 5 31 | 16 5.27 | −25 56.0 | 2.066 | 3.074 | 2.4 | 19.2 |
| 6 10 | 15 57.48 | −25 5.3 | 2.093 | 3.076 | 5.7 | 19.4 |
| 6 20 | 15 51.05 | −24 14.6 | 2.146 | 3.079 | 9.0 | 19.6 |
| 6 30 | 15 46.54 | −23 27.8 | 2.223 | 3.081 | 12.0 | 19.8 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **384386** 2009 $VG_{69}$ | | | 5 25.5 265°.87 | | 0°.9/25.2 17 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 37.44 | −17 56.2 | 1.761 | 2.616 | 14.1 | 21.4 |
| 5 1 | 16 31.97 | −18 9.5 | 1.680 | 2.610 | 10.6 | 21.2 |
| 5 11 | 16 24.07 | −18 22.2 | 1.621 | 2.603 | 6.5 | 20.9 |
| 5 21 | 16 14.47 | −18 34.3 | 1.588 | 2.597 | 2.2 | 20.6 |
| 5 31 | 16 4.22 | −18 46.6 | 1.582 | 2.591 | 2.8 | 20.7 |
| 6 10 | 15 54.51 | −19 0.0 | 1.602 | 2.584 | 7.3 | 20.9 |
| 6 20 | 15 46.38 | −19 16.2 | 1.648 | 2.578 | 11.4 | 21.1 |
| 6 30 | 15 40.63 | −19 36.8 | 1.715 | 2.571 | 15.0 | 21.4 |
| **322020** 2010 $VC_{11}$ | | | 5 25.5 221°.72 | | 1°.4/24.9 17 | |
| 4 21 | 16 37.68 | −18 43.4 | 1.926 | 2.776 | 13.3 | 21.7 |
| 5 1 | 16 31.92 | −18 19.1 | 1.840 | 2.767 | 10.0 | 21.5 |
| 5 11 | 16 23.93 | −17 51.0 | 1.776 | 2.758 | 6.2 | 21.2 |
| 5 21 | 16 14.41 | −17 20.4 | 1.739 | 2.748 | 2.2 | 21.0 |
| 5 31 | 16 4.33 | −16 49.9 | 1.730 | 2.737 | 3.1 | 21.0 |
| 6 10 | 15 54.78 | −16 22.8 | 1.748 | 2.725 | 7.2 | 21.2 |
| 6 20 | 15 46.71 | −16 2.0 | 1.791 | 2.713 | 11.1 | 21.4 |
| 6 30 | 15 40.83 | −15 50.0 | 1.857 | 2.701 | 14.6 | 21.6 |
| **190639** 2000 $WZ_{171}$ | | | 5 25.5 256°.24 | | 6°.0/23.1 18 | |
| 4 21 | 16 36.28 | − 4 52.0 | 2.058 | 2.899 | 12.9 | 20.3 |
| 5 1 | 16 30.74 | − 4 23.4 | 1.969 | 2.881 | 10.3 | 20.1 |
| 5 11 | 16 23.17 | − 4 2.2 | 1.902 | 2.863 | 7.7 | 19.9 |
| 5 21 | 16 14.18 | − 3 51.8 | 1.861 | 2.844 | 6.0 | 19.8 |
| 5 31 | 16 4.59 | − 3 55.0 | 1.847 | 2.824 | 6.8 | 19.8 |
| 6 10 | 15 55.39 | − 4 13.6 | 1.860 | 2.805 | 9.3 | 19.9 |
| 6 20 | 15 47.43 | − 4 47.3 | 1.897 | 2.785 | 12.4 | 20.1 |
| 6 30 | 15 41.40 | − 5 35.1 | 1.956 | 2.764 | 15.3 | 20.2 |
| **110252** 2001 $SZ_{238}$ | | | 5 25.5 201°.10 | | 2°.3/24.4 18 | |
| 4 21 | 16 36.36 | −15 40.5 | 2.248 | 3.093 | 11.8 | 20.9 |
| 5 1 | 16 30.57 | −15 12.6 | 2.164 | 3.089 | 8.9 | 20.7 |
| 5 11 | 16 22.93 | −14 43.4 | 2.105 | 3.084 | 5.6 | 20.5 |
| 5 21 | 16 14.06 | −14 14.9 | 2.073 | 3.078 | 2.6 | 20.3 |
| 5 31 | 16 4.79 | −13 49.3 | 2.069 | 3.072 | 3.4 | 20.3 |
| 6 10 | 15 55.99 | −13 29.3 | 2.094 | 3.065 | 6.7 | 20.5 |
| 6 20 | 15 48.45 | −13 16.9 | 2.145 | 3.058 | 10.0 | 20.7 |
| 6 30 | 15 42.74 | −13 13.4 | 2.220 | 3.049 | 13.0 | 20.9 |
| **373237** 2012 $FC_{76}$ | | | 5 25.5 11°.19 | | 0°.8/25.7 17 | |
| 4 21 | 16 36.00 | −21 19.0 | 1.236 | 2.111 | 17.6 | 20.1 |
| 5 1 | 16 31.66 | −21 47.0 | 1.173 | 2.112 | 13.3 | 19.8 |
| 5 11 | 16 24.19 | −22 11.2 | 1.130 | 2.115 | 8.2 | 19.6 |
| 5 21 | 16 14.56 | −22 30.5 | 1.109 | 2.118 | 2.8 | 19.2 |
| 5 31 | 16 4.18 | −22 44.6 | 1.112 | 2.123 | 3.1 | 19.3 |
| 6 10 | 15 54.71 | −22 55.2 | 1.139 | 2.128 | 8.5 | 19.6 |
| 6 20 | 15 47.47 | −23 5.1 | 1.188 | 2.134 | 13.5 | 19.9 |
| 6 30 | 15 43.35 | −23 17.5 | 1.257 | 2.140 | 17.6 | 20.2 |
| **55208** 2001 $RJ_{35}$ | | | 5 25.5 89°.15 | | 6°.6/22.5 18 | |
| 4 21 | 16 35.23 | − 7 9.3 | 1.651 | 2.509 | 14.8 | 18.7 |
| 5 1 | 16 29.99 | − 5 59.8 | 1.598 | 2.521 | 11.5 | 18.5 |
| 5 11 | 16 22.62 | − 4 56.4 | 1.567 | 2.534 | 8.4 | 18.4 |
| 5 21 | 16 13.95 | − 4 4.7 | 1.561 | 2.546 | 6.7 | 18.3 |
| 5 31 | 16 5.00 | − 3 29.5 | 1.580 | 2.558 | 7.6 | 18.4 |
| 6 10 | 15 56.84 | − 3 13.3 | 1.625 | 2.570 | 10.4 | 18.6 |
| 6 20 | 15 50.32 | − 3 16.7 | 1.692 | 2.582 | 13.5 | 18.8 |
| 6 30 | 15 46.00 | − 3 37.9 | 1.779 | 2.594 | 16.3 | 19.0 |
| **47073** 1998 $XP_{95}$ | | | 5 25.5 137°.32 | | 5°.3/22.9 18 | R |
| 4 21 | 16 33.74 | − 5 43.9 | 2.319 | 3.160 | 11.7 | 18.1 |
| 5 1 | 16 28.41 | − 5 4.6 | 2.255 | 3.169 | 9.1 | 18.0 |
| 5 11 | 16 21.49 | − 4 31.3 | 2.216 | 3.177 | 6.7 | 17.8 |
| 5 21 | 16 13.59 | − 4 7.1 | 2.202 | 3.184 | 5.3 | 17.8 |
| 5 31 | 16 5.43 | − 3 54.6 | 2.217 | 3.192 | 6.0 | 17.8 |
| 6 10 | 15 57.79 | − 3 55.2 | 2.258 | 3.199 | 8.1 | 18.0 |
| 6 20 | 15 51.31 | − 4 9.1 | 2.324 | 3.205 | 10.6 | 18.1 |
| 6 30 | 15 46.49 | − 4 35.5 | 2.412 | 3.212 | 12.9 | 18.3 |
| **47513** 2000 $AS_{66}$ | | | 5 25.5 227°.26 | | 6°.6/22.9 17 | |
| 4 21 | 16 37.18 | − 4 1.9 | 1.929 | 2.770 | 13.7 | 19.3 |
| 5 1 | 16 31.44 | − 3 25.1 | 1.849 | 2.760 | 10.9 | 19.1 |
| 5 11 | 16 23.60 | − 2 56.4 | 1.792 | 2.750 | 8.3 | 18.9 |
| 5 21 | 16 14.31 | − 2 39.9 | 1.760 | 2.740 | 6.7 | 18.8 |
| 5 31 | 16 4.50 | − 2 38.9 | 1.755 | 2.728 | 7.4 | 18.8 |
| 6 10 | 15 55.18 | − 2 55.2 | 1.776 | 2.717 | 10.0 | 19.0 |
| 6 20 | 15 47.24 | − 3 28.2 | 1.821 | 2.705 | 13.0 | 19.1 |
| 6 30 | 15 41.36 | − 4 16.5 | 1.887 | 2.692 | 15.8 | 19.3 |
| **370232** 2002 $PK_{87}$ | | | 5 25.5 358°.31 | | 18°.8/ 2.9 17 | |
| 4 21 | 16 44.13 | −57 10.2 | 1.267 | 2.014 | 24.3 | 19.8 |
| 5 1 | 16 40.66 | −59 14.5 | 1.208 | 2.010 | 22.6 | 19.6 |
| 5 11 | 16 31.29 | −60 45.4 | 1.164 | 2.008 | 20.9 | 19.5 |
| 5 21 | 16 17.12 | −61 30.0 | 1.134 | 2.007 | 19.5 | 19.4 |
| 5 31 | 16 0.99 | −61 19.1 | 1.120 | 2.007 | 18.9 | 19.3 |
| 6 10 | 15 46.68 | −60 13.6 | 1.122 | 2.008 | 19.0 | 19.3 |
| 6 20 | 15 37.04 | −58 24.0 | 1.141 | 2.010 | 20.1 | 19.4 |
| 6 30 | 15 33.39 | −56 6.1 | 1.176 | 2.013 | 21.6 | 19.5 |

**395654** 2011 $WN_{51}$ 5 25.5 198.°87 0.°3/25.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 32.85 | −24 7.6 | 2.506 | 3.346 | 10.9 | 21.0 |
| 5 1 | 16 27.84 | −23 39.7 | 2.423 | 3.344 | 8.2 | 20.8 |
| 5 11 | 16 21.21 | −23 5.1 | 2.364 | 3.343 | 5.1 | 20.6 |
| 5 21 | 16 13.53 | −22 24.8 | 2.333 | 3.342 | 1.7 | 20.4 |
| 5 31 | 16 5.55 | −21 41.0 | 2.330 | 3.340 | 1.9 | 20.4 |
| 6 10 | 15 58.05 | −20 56.5 | 2.356 | 3.338 | 5.3 | 20.6 |
| 6 20 | 15 51.70 | −20 14.6 | 2.409 | 3.336 | 8.4 | 20.8 |
| 6 30 | 15 47.02 | −19 38.0 | 2.486 | 3.334 | 11.2 | 21.0 |

**37064** 2000 $UO_{48}$ 5 25.5 147.°40 0.°3/25.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.57 | −22 39.9 | 2.764 | 3.601 | 10.1 | 20.1 |
| 5 1 | 16 28.20 | −22 32.2 | 2.688 | 3.608 | 7.6 | 20.0 |
| 5 11 | 16 21.35 | −22 20.2 | 2.636 | 3.615 | 4.6 | 19.8 |
| 5 21 | 16 13.57 | −22 4.2 | 2.613 | 3.622 | 1.5 | 19.6 |
| 5 31 | 16 5.53 | −21 45.5 | 2.618 | 3.628 | 1.7 | 19.6 |
| 6 10 | 15 57.93 | −21 26.0 | 2.653 | 3.634 | 4.8 | 19.8 |
| 6 20 | 15 51.39 | −21 7.6 | 2.715 | 3.640 | 7.7 | 20.0 |
| 6 30 | 15 46.37 | −20 52.5 | 2.802 | 3.645 | 10.2 | 20.2 |

**49159** 1998 $SK_{55}$ 5 25.5 178.°29 1.°0/25.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.72 | −19 41.7 | 2.062 | 2.908 | 12.7 | 20.6 |
| 5 1 | 16 31.73 | −19 20.4 | 1.984 | 2.910 | 9.5 | 20.4 |
| 5 11 | 16 23.70 | −18 55.0 | 1.930 | 2.911 | 5.8 | 20.2 |
| 5 21 | 16 14.34 | −18 26.8 | 1.903 | 2.912 | 1.9 | 20.0 |
| 5 31 | 16 4.58 | −17 57.9 | 1.904 | 2.912 | 2.6 | 20.0 |
| 6 10 | 15 55.42 | −17 31.2 | 1.933 | 2.912 | 6.5 | 20.2 |
| 6 20 | 15 47.69 | −17 9.6 | 1.988 | 2.910 | 10.2 | 20.5 |
| 6 30 | 15 42.02 | −16 55.5 | 2.066 | 2.909 | 13.3 | 20.7 |

**323718** 2005 $JC_{36}$ 5 25.5 343.°78 3.°2/24.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.91 | −13 52.7 | 1.348 | 2.221 | 16.6 | 20.4 |
| 5 1 | 16 31.32 | −13 49.5 | 1.278 | 2.216 | 12.5 | 20.1 |
| 5 11 | 16 23.90 | −13 49.3 | 1.229 | 2.212 | 8.0 | 19.8 |
| 5 21 | 16 14.49 | −13 54.0 | 1.202 | 2.209 | 3.8 | 19.6 |
| 5 31 | 16 4.37 | −14 5.6 | 1.201 | 2.206 | 4.7 | 19.6 |
| 6 10 | 15 54.98 | −14 25.6 | 1.223 | 2.203 | 9.3 | 19.9 |
| 6 20 | 15 47.53 | −14 54.8 | 1.268 | 2.201 | 13.8 | 20.1 |
| 6 30 | 15 42.90 | −15 33.2 | 1.333 | 2.200 | 17.8 | 20.4 |

**191105** 2002 $EM_{48}$ 5 25.5 320.°85 0.°4/25.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.99 | −21 19.5 | 1.755 | 2.613 | 14.1 | 20.4 |
| 5 1 | 16 30.08 | −21 2.6 | 1.679 | 2.611 | 10.5 | 20.2 |
| 5 11 | 16 22.87 | −20 40.0 | 1.626 | 2.609 | 6.5 | 19.9 |
| 5 21 | 16 14.11 | −20 12.8 | 1.597 | 2.607 | 2.0 | 19.6 |
| 5 31 | 16 4.87 | −19 43.5 | 1.595 | 2.605 | 2.6 | 19.7 |
| 6 10 | 15 56.27 | −19 15.2 | 1.620 | 2.603 | 7.1 | 19.9 |
| 6 20 | 15 49.27 | −18 51.6 | 1.669 | 2.601 | 11.1 | 20.2 |
| 6 30 | 15 44.57 | −18 35.4 | 1.740 | 2.600 | 14.6 | 20.4 |

**110017** 2001 $SS_{69}$ 5 25.5 198.°74 3.°8/23.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.75 | −11 33.1 | 2.148 | 2.996 | 12.2 | 20.7 |
| 5 1 | 16 30.16 | −10 54.2 | 2.070 | 2.993 | 9.3 | 20.5 |
| 5 11 | 16 22.71 | −10 16.8 | 2.015 | 2.989 | 6.2 | 20.3 |
| 5 21 | 16 14.04 | − 9 43.8 | 1.987 | 2.985 | 4.0 | 20.1 |
| 5 31 | 16 4.97 | − 9 18.2 | 1.987 | 2.980 | 4.8 | 20.2 |
| 6 10 | 15 56.40 | − 9 2.5 | 2.015 | 2.975 | 7.7 | 20.3 |
| 6 20 | 15 49.11 | − 8 58.1 | 2.067 | 2.969 | 10.9 | 20.5 |
| 6 30 | 15 43.67 | − 9 5.6 | 2.143 | 2.963 | 13.7 | 20.7 |

**235323** 2003 $UU_{181}$ 5 25.5 239.°29 0.°1/25.5 17 R

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.99 | −21 55.7 | 2.029 | 2.879 | 12.8 | 21.3 |
| 5 1 | 16 29.84 | −21 40.9 | 1.946 | 2.873 | 9.6 | 21.1 |
| 5 11 | 16 22.63 | −21 20.6 | 1.886 | 2.868 | 5.9 | 20.8 |
| 5 21 | 16 14.03 | −20 55.5 | 1.853 | 2.862 | 1.9 | 20.5 |
| 5 31 | 16 4.97 | −20 27.5 | 1.847 | 2.856 | 2.3 | 20.6 |
| 6 10 | 15 56.43 | −19 59.6 | 1.868 | 2.850 | 6.4 | 20.8 |
| 6 20 | 15 49.29 | −19 34.8 | 1.915 | 2.844 | 10.1 | 21.0 |
| 6 30 | 15 44.21 | −19 16.0 | 1.985 | 2.838 | 13.4 | 21.2 |

**104409** 2000 $FM_{55}$ 5 25.5 336.°59 1.°5/24.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.00 | −17 53.0 | 1.976 | 2.832 | 12.8 | 19.8 |
| 5 1 | 16 29.06 | −17 36.0 | 1.900 | 2.831 | 9.6 | 19.6 |
| 5 11 | 16 22.12 | −17 16.8 | 1.848 | 2.830 | 5.9 | 19.4 |
| 5 21 | 16 13.86 | −16 56.9 | 1.821 | 2.830 | 2.2 | 19.1 |
| 5 31 | 16 5.19 | −16 38.3 | 1.822 | 2.829 | 3.0 | 19.2 |
| 6 10 | 15 57.07 | −16 23.6 | 1.850 | 2.829 | 6.8 | 19.4 |
| 6 20 | 15 50.33 | −16 14.8 | 1.903 | 2.828 | 10.4 | 19.6 |
| 6 30 | 15 45.60 | −16 13.8 | 1.978 | 2.828 | 13.6 | 19.8 |

**110092** 2001 $SC_{121}$ 5 25.5 158.°38 0.°1/25.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.38 | −22 57.1 | 2.046 | 2.889 | 12.9 | 20.2 |
| 5 1 | 16 31.48 | −22 34.6 | 1.971 | 2.895 | 9.7 | 20.0 |
| 5 11 | 16 23.54 | −22 5.3 | 1.921 | 2.901 | 5.9 | 19.8 |
| 5 21 | 16 14.29 | −21 30.3 | 1.896 | 2.905 | 1.9 | 19.5 |
| 5 31 | 16 4.69 | −20 51.8 | 1.900 | 2.910 | 2.3 | 19.6 |
| 6 10 | 15 55.75 | −20 13.2 | 1.932 | 2.914 | 6.3 | 19.8 |
| 6 20 | 15 48.30 | −19 38.1 | 1.990 | 2.917 | 9.9 | 20.1 |
| 6 30 | 15 42.94 | −19 9.6 | 2.072 | 2.920 | 13.1 | 20.3 |

**465642** 2009 $PX_{7}$ 5 25.5 234.°76 8.°4/21.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.77 | − 1 17.8 | 1.852 | 2.694 | 14.1 | 21.7 |
| 5 1 | 16 29.68 | − 0 2.1 | 1.780 | 2.686 | 11.6 | 21.5 |
| 5 11 | 16 22.53 | + 1 4.7 | 1.731 | 2.677 | 9.4 | 21.4 |
| 5 21 | 16 14.01 | + 1 56.6 | 1.706 | 2.668 | 8.4 | 21.3 |
| 5 31 | 16 5.01 | + 2 28.3 | 1.706 | 2.659 | 9.4 | 21.3 |
| 6 10 | 15 56.55 | + 2 37.1 | 1.731 | 2.649 | 11.6 | 21.4 |
| 6 20 | 15 49.48 | + 2 22.9 | 1.778 | 2.639 | 14.3 | 21.6 |
| 6 30 | 15 44.46 | + 1 47.9 | 1.845 | 2.629 | 16.9 | 21.7 |

**462257** 2008 $DG_{72}$ 5 25.5 101.°18 3.°9/26.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.95 | −30 40.1 | 1.590 | 2.431 | 16.1 | 21.2 |
| 5 1 | 16 33.46 | −30 57.4 | 1.518 | 2.434 | 12.6 | 21.0 |
| 5 11 | 16 25.13 | −31 1.7 | 1.467 | 2.437 | 8.6 | 20.8 |
| 5 21 | 16 14.87 | −30 50.6 | 1.440 | 2.439 | 4.9 | 20.5 |
| 5 31 | 16 3.98 | −30 24.3 | 1.438 | 2.442 | 4.4 | 20.5 |
| 6 10 | 15 53.95 | −29 46.3 | 1.462 | 2.444 | 7.8 | 20.7 |
| 6 20 | 15 45.96 | −29 2.3 | 1.510 | 2.447 | 11.8 | 21.0 |
| 6 30 | 15 40.81 | −28 18.7 | 1.579 | 2.449 | 15.4 | 21.2 |

**384915** 2012 $TU_{59}$ 5 25.5 281.°39 2.°4/24.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.70 | −16 28.0 | 1.893 | 2.751 | 13.1 | 21.1 |
| 5 1 | 16 28.98 | −15 53.4 | 1.809 | 2.741 | 9.9 | 20.8 |
| 5 11 | 16 22.15 | −15 16.4 | 1.749 | 2.731 | 6.2 | 20.6 |
| 5 21 | 16 13.90 | −14 39.4 | 1.714 | 2.721 | 2.8 | 20.3 |
| 5 31 | 16 5.14 | −14 5.7 | 1.706 | 2.710 | 3.8 | 20.4 |
| 6 10 | 15 56.90 | −13 38.6 | 1.725 | 2.700 | 7.5 | 20.6 |
| 6 20 | 15 50.05 | −13 20.8 | 1.769 | 2.690 | 11.3 | 20.8 |
| 6 30 | 15 45.28 | −13 14.0 | 1.834 | 2.680 | 14.6 | 21.0 |

**40314** 1999 $KR_{16}$ 5 25.5 349.°71 0.°5/22.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 12.92 | − 5 24.4 | 33.623 | 34.456 | 0.9 | 21.0 |
| 5 1 | 16 12.15 | − 5 18.9 | 33.546 | 34.453 | 0.7 | 20.9 |
| 5 11 | 16 11.29 | − 5 13.8 | 33.495 | 34.450 | 0.6 | 20.9 |
| 5 21 | 16 10.39 | − 5 9.5 | 33.472 | 34.448 | 0.5 | 20.9 |
| 5 31 | 16 9.47 | − 5 5.8 | 33.478 | 34.445 | 0.5 | 20.9 |
| 6 10 | 16 8.57 | − 5 3.1 | 33.511 | 34.442 | 0.7 | 20.9 |
| 6 20 | 16 7.72 | − 5 1.2 | 33.571 | 34.439 | 0.9 | 21.0 |
| 6 30 | 16 6.96 | − 5 0.3 | 33.656 | 34.436 | 1.1 | 21.0 |

**135648** 2002 $KQ_{4}$ 5 25.5 332.°17 2.°7/24.8 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.37 | −16 22.7 | 1.146 | 2.034 | 17.8 | 19.4 |
| 5 1 | 16 29.24 | −16 8.9 | 1.071 | 2.018 | 13.5 | 19.1 |
| 5 11 | 16 22.94 | −15 54.3 | 1.015 | 2.002 | 8.5 | 18.7 |
| 5 21 | 16 14.28 | −15 41.3 | 0.980 | 1.988 | 3.5 | 18.4 |
| 5 31 | 16 4.64 | −15 33.3 | 0.968 | 1.975 | 4.7 | 18.4 |
| 6 10 | 15 55.69 | −15 33.8 | 0.978 | 1.963 | 10.1 | 18.7 |
| 6 20 | 15 48.85 | −15 45.1 | 1.008 | 1.953 | 15.4 | 18.9 |
| 6 30 | 15 45.17 | −16 8.8 | 1.057 | 1.943 | 20.0 | 19.2 |

**143793** 2003 $WQ_{104}$ 5 25.5 252.°95 0.°6/25.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.87 | −21 55.3 | 1.637 | 2.495 | 14.9 | 20.6 |
| 5 1 | 16 31.73 | −21 21.7 | 1.553 | 2.484 | 11.2 | 20.3 |
| 5 11 | 16 24.02 | −20 39.7 | 1.491 | 2.474 | 6.9 | 20.0 |
| 5 21 | 16 14.53 | −19 51.2 | 1.453 | 2.463 | 2.2 | 19.7 |
| 5 31 | 16 4.40 | −18 59.4 | 1.442 | 2.451 | 3.0 | 19.7 |
| 6 10 | 15 54.92 | −18 9.3 | 1.458 | 2.440 | 7.8 | 20.0 |
| 6 20 | 15 47.17 | −17 25.6 | 1.497 | 2.428 | 12.3 | 20.2 |
| 6 30 | 15 41.95 | −16 52.6 | 1.558 | 2.416 | 16.1 | 20.5 |

**169621** 2002 $GA_{148}$ 5 25.5 262.°25 1.°9/24.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.71 | −17 2.2 | 1.531 | 2.393 | 15.5 | 20.3 |
| 5 1 | 16 32.51 | −16 53.6 | 1.450 | 2.384 | 11.7 | 20.0 |
| 5 11 | 16 24.59 | −16 43.6 | 1.391 | 2.375 | 7.3 | 19.7 |
| 5 21 | 16 14.74 | −16 33.7 | 1.357 | 2.365 | 2.8 | 19.4 |
| 5 31 | 16 4.14 | −16 25.9 | 1.348 | 2.355 | 3.7 | 19.5 |
| 6 10 | 15 54.15 | −16 22.8 | 1.365 | 2.345 | 8.4 | 19.7 |
| 6 20 | 15 45.95 | −16 26.8 | 1.405 | 2.335 | 13.0 | 19.9 |
| 6 30 | 15 40.40 | −16 39.6 | 1.466 | 2.325 | 16.9 | 20.2 |

**413255** 2003 $SJ_{393}$ 5 25.5 146.°64 2.°1/24.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.06 | −16 19.0 | 1.843 | 2.693 | 13.8 | 21.7 |
| 5 1 | 16 32.84 | −16 2.0 | 1.775 | 2.702 | 10.3 | 21.5 |
| 5 11 | 16 24.43 | −15 44.0 | 1.730 | 2.711 | 6.4 | 21.2 |
| 5 21 | 16 14.60 | −15 26.6 | 1.712 | 2.719 | 2.7 | 21.0 |
| 5 31 | 16 4.39 | −15 12.0 | 1.722 | 2.727 | 3.5 | 21.1 |
| 6 10 | 15 54.89 | −15 2.6 | 1.758 | 2.734 | 7.4 | 21.3 |
| 6 20 | 15 47.01 | −15 0.2 | 1.820 | 2.740 | 11.1 | 21.6 |
| 6 30 | 15 41.37 | −15 6.3 | 1.905 | 2.746 | 14.3 | 21.8 |

**467414** 2005 $NL_{34}$ 5 25.5 301.°26 3.°9/26.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.85 | −30 27.1 | 1.528 | 2.375 | 16.3 | 21.4 |
| 5 1 | 16 32.17 | −30 39.2 | 1.444 | 2.364 | 12.8 | 21.1 |
| 5 11 | 16 24.52 | −30 37.8 | 1.381 | 2.353 | 8.8 | 20.9 |
| 5 21 | 16 14.74 | −30 20.5 | 1.341 | 2.342 | 4.9 | 20.6 |
| 5 31 | 16 4.14 | −29 47.5 | 1.326 | 2.331 | 4.4 | 20.5 |
| 6 10 | 15 54.24 | −29 2.4 | 1.336 | 2.320 | 8.1 | 20.7 |
| 6 20 | 15 46.34 | −28 11.3 | 1.369 | 2.310 | 12.4 | 20.9 |
| 6 30 | 15 41.36 | −27 21.1 | 1.424 | 2.300 | 16.4 | 21.2 |

**489813** 2008 $DE_{29}$ 5 25.5 160°.32 0°.8/25.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.86 | −19 54.0 | 1.886 | 2.734 | 13.6 | 22.5 |
| 5 1 | 16 32.74 | −19 42.1 | 1.813 | 2.740 | 10.2 | 22.3 |
| 5 11 | 16 24.40 | −19 26.4 | 1.764 | 2.745 | 6.2 | 22.1 |
| 5 21 | 16 14.60 | −19 7.5 | 1.741 | 2.750 | 2.0 | 21.8 |
| 5 31 | 16 4.38 | −18 47.5 | 1.745 | 2.754 | 2.7 | 21.9 |
| 6 10 | 15 54.84 | −18 29.0 | 1.777 | 2.758 | 6.9 | 22.2 |
| 6 20 | 15 46.89 | −18 14.7 | 1.835 | 2.761 | 10.7 | 22.4 |
| 6 30 | 15 41.20 | −18 7.2 | 1.915 | 2.763 | 14.0 | 22.6 |

**346238** 2008 $BT_{39}$ 5 25.5 112°.68 4°.5/22.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.11 | − 6 57.1 | 2.600 | 3.439 | 10.6 | 21.6 |
| 5 1 | 16 27.75 | − 6 16.5 | 2.543 | 3.457 | 8.2 | 21.5 |
| 5 11 | 16 21.03 | − 5 40.7 | 2.512 | 3.475 | 5.9 | 21.4 |
| 5 21 | 16 13.48 | − 5 12.3 | 2.508 | 3.492 | 4.5 | 21.3 |
| 5 31 | 16 5.78 | − 4 53.8 | 2.532 | 3.509 | 5.2 | 21.4 |
| 6 10 | 15 58.58 | − 4 46.4 | 2.583 | 3.526 | 7.2 | 21.5 |
| 6 20 | 15 52.44 | − 4 50.5 | 2.660 | 3.542 | 9.4 | 21.7 |
| 6 30 | 15 47.78 | − 5 5.7 | 2.760 | 3.557 | 11.6 | 21.9 |

**198203** 2004 $TL_{142}$ 5 25.5 153°.63 0°.6/25.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.27 | −23 27.8 | 1.912 | 2.760 | 13.5 | 21.3 |
| 5 1 | 16 30.87 | −23 19.5 | 1.837 | 2.763 | 10.1 | 21.1 |
| 5 11 | 16 23.29 | −23 4.6 | 1.784 | 2.765 | 6.3 | 20.9 |
| 5 21 | 16 14.27 | −22 43.5 | 1.758 | 2.767 | 2.1 | 20.6 |
| 5 31 | 16 4.80 | −22 17.7 | 1.759 | 2.769 | 2.3 | 20.6 |
| 6 10 | 15 55.98 | −21 50.2 | 1.787 | 2.770 | 6.5 | 20.9 |
| 6 20 | 15 48.70 | −21 24.5 | 1.840 | 2.772 | 10.3 | 21.1 |
| 6 30 | 15 43.63 | −21 3.9 | 1.916 | 2.773 | 13.6 | 21.3 |

**362690** 2011 $UC_{132}$ 5 25.5 323°.89 0°.6/25.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.80 | −22 46.2 | 1.147 | 2.028 | 18.2 | 20.6 |
| 5 1 | 16 30.33 | −22 9.6 | 1.073 | 2.016 | 13.8 | 20.3 |
| 5 11 | 16 23.59 | −21 21.1 | 1.017 | 2.005 | 8.5 | 19.9 |
| 5 21 | 16 14.48 | −20 22.8 | 0.984 | 1.994 | 2.7 | 19.5 |
| 5 31 | 16 4.50 | −19 19.7 | 0.973 | 1.984 | 3.6 | 19.6 |
| 6 10 | 15 55.37 | −18 19.0 | 0.986 | 1.974 | 9.6 | 19.9 |
| 6 20 | 15 48.51 | −17 28.0 | 1.019 | 1.965 | 15.1 | 20.1 |
| 6 30 | 15 44.91 | −16 51.9 | 1.071 | 1.957 | 19.8 | 20.4 |

**205322** 2000 $UW_{29}$ 5 25.5 74°.65 14°.5/29.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 59.93 | −49 31.1 | 1.488 | 2.238 | 21.1 | 19.0 |
| 5 1 | 16 51.34 | −52 11.5 | 1.445 | 2.263 | 18.7 | 18.9 |
| 5 11 | 16 37.32 | −54 24.9 | 1.421 | 2.289 | 16.5 | 18.8 |
| 5 21 | 16 19.01 | −55 57.9 | 1.418 | 2.314 | 15.0 | 18.8 |
| 5 31 | 15 58.94 | −56 41.9 | 1.437 | 2.339 | 14.5 | 18.8 |
| 6 10 | 15 40.37 | −56 38.7 | 1.477 | 2.364 | 15.2 | 19.0 |
| 6 20 | 15 25.87 | −55 58.6 | 1.537 | 2.388 | 16.7 | 19.1 |
| 6 30 | 15 16.82 | −54 56.2 | 1.616 | 2.412 | 18.4 | 19.3 |

**385829** 2006 $GQ_{54}$ 5 25.5 62°.90 0°.1/25.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.78 | −20 18.7 | 1.727 | 2.581 | 14.4 | 21.2 |
| 5 1 | 16 32.05 | −20 36.7 | 1.668 | 2.597 | 10.7 | 21.0 |
| 5 11 | 16 24.01 | −20 51.6 | 1.632 | 2.614 | 6.6 | 20.7 |
| 5 21 | 16 14.49 | −21 3.2 | 1.621 | 2.630 | 2.1 | 20.5 |
| 5 31 | 16 4.59 | −21 11.9 | 1.637 | 2.647 | 2.5 | 20.6 |
| 6 10 | 15 55.49 | −21 19.1 | 1.680 | 2.664 | 6.8 | 20.9 |
| 6 20 | 15 48.11 | −21 27.0 | 1.748 | 2.681 | 10.7 | 21.1 |
| 6 30 | 15 43.11 | −21 37.7 | 1.838 | 2.698 | 14.0 | 21.4 |

**153753** 2001 $UC_{184}$ 5 25.5 133°.27 0°.1/25.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.62 | −20 42.8 | 1.875 | 2.723 | 13.7 | 20.6 |
| 5 1 | 16 32.61 | −20 51.6 | 1.805 | 2.731 | 10.3 | 20.4 |
| 5 11 | 16 24.36 | −20 56.9 | 1.758 | 2.739 | 6.3 | 20.2 |
| 5 21 | 16 14.62 | −20 58.5 | 1.737 | 2.746 | 2.0 | 19.9 |
| 5 31 | 16 4.44 | −20 57.3 | 1.743 | 2.753 | 2.4 | 20.0 |
| 6 10 | 15 54.92 | −20 55.1 | 1.777 | 2.760 | 6.6 | 20.3 |
| 6 20 | 15 47.01 | −20 54.1 | 1.837 | 2.766 | 10.5 | 20.5 |
| 6 30 | 15 41.38 | −20 56.8 | 1.919 | 2.772 | 13.8 | 20.7 |

**434396** 2005 $EO_{278}$ 5 25.5 335°.83 7°.1/27.2 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.96 | −35 37.5 | 1.733 | 2.555 | 15.8 | 20.9 |
| 5 1 | 16 33.82 | −36 55.6 | 1.652 | 2.547 | 12.9 | 20.7 |
| 5 11 | 16 25.64 | −38 1.9 | 1.591 | 2.539 | 10.0 | 20.5 |
| 5 21 | 16 15.16 | −38 50.7 | 1.554 | 2.532 | 7.6 | 20.3 |
| 5 31 | 16 3.66 | −39 17.9 | 1.543 | 2.525 | 7.3 | 20.3 |
| 6 10 | 15 52.69 | −39 23.7 | 1.556 | 2.519 | 9.3 | 20.4 |
| 6 20 | 15 43.65 | −39 11.8 | 1.592 | 2.513 | 12.3 | 20.5 |
| 6 30 | 15 37.56 | −38 48.7 | 1.650 | 2.508 | 15.4 | 20.7 |

**320301** 2007 $RC_{290}$ 5 25.5 190°.79 3°.1/24.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.65 | −15 22.5 | 1.779 | 2.634 | 14.0 | 21.4 |
| 5 1 | 16 31.94 | −14 37.2 | 1.704 | 2.633 | 10.6 | 21.1 |
| 5 11 | 16 23.97 | −13 49.8 | 1.652 | 2.632 | 6.7 | 20.9 |
| 5 21 | 16 14.51 | −13 3.7 | 1.626 | 2.630 | 3.4 | 20.7 |
| 5 31 | 16 4.58 | −12 22.6 | 1.626 | 2.628 | 4.5 | 20.7 |
| 6 10 | 15 55.32 | −11 50.4 | 1.654 | 2.624 | 8.2 | 21.0 |
| 6 20 | 15 47.64 | −11 29.9 | 1.706 | 2.621 | 12.0 | 21.2 |
| 6 30 | 15 42.24 | −11 22.5 | 1.780 | 2.617 | 15.4 | 21.4 |

**144788** 2004 $HX_{42}$ 5 25.5 324°.13 3°.0/26.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.42 | −28 29.4 | 2.084 | 2.918 | 13.0 | 20.0 |
| 5 1 | 16 31.08 | −29 3.5 | 2.001 | 2.915 | 10.1 | 19.8 |
| 5 11 | 16 23.51 | −29 29.9 | 1.942 | 2.912 | 6.8 | 19.6 |
| 5 21 | 16 14.39 | −29 46.7 | 1.909 | 2.909 | 3.8 | 19.4 |
| 5 31 | 16 4.69 | −29 53.0 | 1.903 | 2.906 | 3.5 | 19.4 |
| 6 10 | 15 55.49 | −29 50.1 | 1.924 | 2.904 | 6.4 | 19.5 |
| 6 20 | 15 47.74 | −29 40.9 | 1.971 | 2.901 | 9.8 | 19.7 |
| 6 30 | 15 42.18 | −29 29.1 | 2.040 | 2.899 | 12.8 | 19.9 |

**171367** 2006 $LW_{3}$ 5 25.5 45°.08 5°.0/24.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.06 | −10 54.4 | 1.373 | 2.241 | 16.6 | 19.7 |
| 5 1 | 16 31.99 | −10 27.5 | 1.310 | 2.244 | 12.7 | 19.5 |
| 5 11 | 16 24.21 | −10 5.3 | 1.268 | 2.247 | 8.5 | 19.3 |
| 5 21 | 16 14.61 | − 9 51.5 | 1.249 | 2.250 | 5.2 | 19.1 |
| 5 31 | 16 4.47 | − 9 49.4 | 1.255 | 2.253 | 6.2 | 19.1 |
| 6 10 | 15 55.16 | −10 1.0 | 1.286 | 2.256 | 10.0 | 19.4 |
| 6 20 | 15 47.80 | −10 26.7 | 1.339 | 2.260 | 14.2 | 19.6 |
| 6 30 | 15 43.15 | −11 5.6 | 1.411 | 2.263 | 17.8 | 19.9 |

**155907** 2001 $MV_{23}$ 5 25.5 324°.64 2°.3/24.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.11 | −18 51.1 | 1.091 | 1.979 | 18.4 | 19.1 |
| 5 1 | 16 29.94 | −18 18.3 | 1.017 | 1.964 | 13.9 | 18.8 |
| 5 11 | 16 23.44 | −17 38.9 | 0.962 | 1.950 | 8.7 | 18.5 |
| 5 21 | 16 14.49 | −16 56.2 | 0.928 | 1.937 | 3.3 | 18.1 |
| 5 31 | 16 4.55 | −16 15.0 | 0.916 | 1.925 | 4.5 | 18.1 |
| 6 10 | 15 55.39 | −15 41.4 | 0.927 | 1.913 | 10.4 | 18.4 |
| 6 20 | 15 48.50 | −15 20.4 | 0.957 | 1.903 | 15.9 | 18.7 |
| 6 30 | 15 44.93 | −15 15.3 | 1.005 | 1.893 | 20.7 | 18.9 |

**267415** 2002 $BT_{1}$ 5 25.5 86°.18 1°.8/26.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.12 | −26 35.7 | 1.774 | 2.618 | 14.5 | 20.8 |
| 5 1 | 16 32.32 | −26 36.1 | 1.712 | 2.634 | 11.0 | 20.6 |
| 5 11 | 16 24.17 | −26 27.2 | 1.673 | 2.649 | 7.0 | 20.4 |
| 5 21 | 16 14.55 | −26 8.5 | 1.659 | 2.665 | 3.0 | 20.1 |
| 5 31 | 16 4.59 | −25 41.7 | 1.672 | 2.680 | 2.8 | 20.1 |
| 6 10 | 15 55.49 | −25 9.9 | 1.711 | 2.695 | 6.7 | 20.4 |
| 6 20 | 15 48.16 | −24 37.6 | 1.776 | 2.710 | 10.4 | 20.7 |
| 6 30 | 15 43.25 | −24 8.8 | 1.863 | 2.725 | 13.7 | 20.9 |

**307698** 2003 $UU_{44}$ 5 25.5 250°.59 3°.1/26.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.79 | −27 19.2 | 1.664 | 2.506 | 15.4 | 20.7 |
| 5 1 | 16 35.00 | −27 54.4 | 1.575 | 2.494 | 12.0 | 20.5 |
| 5 11 | 16 26.26 | −28 21.8 | 1.508 | 2.481 | 8.0 | 20.2 |
| 5 21 | 16 15.35 | −28 38.4 | 1.466 | 2.469 | 4.1 | 20.0 |
| 5 31 | 16 3.48 | −28 42.8 | 1.450 | 2.456 | 3.9 | 19.9 |
| 6 10 | 15 52.15 | −28 36.4 | 1.460 | 2.442 | 7.8 | 20.1 |
| 6 20 | 15 42.66 | −28 22.8 | 1.495 | 2.428 | 12.1 | 20.3 |
| 6 30 | 15 36.00 | −28 7.4 | 1.551 | 2.414 | 16.0 | 20.5 |

**152658** 1997 $XG_{6}$ 5 25.5 181°.44 0°.3/25.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.54 | −21 50.1 | 2.262 | 3.099 | 12.1 | 22.1 |
| 5 1 | 16 32.29 | −21 55.0 | 2.180 | 3.100 | 9.0 | 21.9 |
| 5 11 | 16 24.07 | −21 55.7 | 2.122 | 3.101 | 5.6 | 21.6 |
| 5 21 | 16 14.54 | −21 52.1 | 2.092 | 3.101 | 1.8 | 21.4 |
| 5 31 | 16 4.56 | −21 45.1 | 2.091 | 3.100 | 2.1 | 21.4 |
| 6 10 | 15 55.09 | −21 36.2 | 2.118 | 3.099 | 5.9 | 21.6 |
| 6 20 | 15 46.96 | −21 27.9 | 2.172 | 3.097 | 9.3 | 21.9 |
| 6 30 | 15 40.79 | −21 22.6 | 2.250 | 3.094 | 12.3 | 22.1 |

**16896** 1998 $DS_{9}$ 5 25.5 314°.75 19°.0/10.7 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.58 | +16 53.0 | 1.353 | 2.158 | 20.3 | 16.6 |
| 5 1 | 16 28.14 | +19 24.3 | 1.299 | 2.138 | 19.3 | 16.5 |
| 5 11 | 16 22.02 | +21 28.6 | 1.262 | 2.117 | 19.0 | 16.4 |
| 5 21 | 16 13.98 | +22 53.4 | 1.243 | 2.097 | 19.4 | 16.4 |
| 5 31 | 16 5.21 | +23 29.6 | 1.240 | 2.078 | 20.5 | 16.4 |
| 6 10 | 15 57.04 | +23 14.4 | 1.252 | 2.059 | 22.1 | 16.4 |
| 6 20 | 15 50.65 | +22 10.9 | 1.278 | 2.041 | 24.0 | 16.5 |
| 6 30 | 15 46.90 | +20 26.1 | 1.315 | 2.023 | 25.8 | 16.6 |

**147228** 2002 $XL_{35}$ 5 25.5 286°.24 0°.6/25.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.82 | −23 35.2 | 1.620 | 2.476 | 15.1 | 20.4 |
| 5 1 | 16 32.03 | −23 26.0 | 1.521 | 2.451 | 11.5 | 20.1 |
| 5 11 | 16 24.45 | −23 8.7 | 1.444 | 2.426 | 7.3 | 19.8 |
| 5 21 | 16 14.79 | −22 42.9 | 1.391 | 2.400 | 2.5 | 19.4 |
| 5 31 | 16 4.18 | −22 10.3 | 1.365 | 2.375 | 2.8 | 19.3 |
| 6 10 | 15 54.00 | −21 34.5 | 1.364 | 2.349 | 7.9 | 19.6 |
| 6 20 | 15 45.50 | −21 0.2 | 1.387 | 2.323 | 12.6 | 19.8 |
| 6 30 | 15 39.67 | −20 32.3 | 1.431 | 2.297 | 16.9 | 20.0 |

**45146** 1999 $XC_{106}$ 5 25.5 193°.92 0°.1/25.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.51 | −22 14.4 | 2.012 | 2.854 | 13.1 | 19.7 |
| 5 1 | 16 32.48 | −22 1.4 | 1.929 | 2.853 | 9.9 | 19.4 |
| 5 11 | 16 24.29 | −21 42.6 | 1.870 | 2.850 | 6.1 | 19.2 |
| 5 21 | 16 14.63 | −21 18.3 | 1.838 | 2.847 | 1.9 | 18.9 |
| 5 31 | 16 4.48 | −20 50.5 | 1.833 | 2.843 | 2.3 | 18.9 |
| 6 10 | 15 54.92 | −20 21.9 | 1.857 | 2.839 | 6.5 | 19.2 |
| 6 20 | 15 46.86 | −19 56.0 | 1.907 | 2.833 | 10.3 | 19.4 |
| 6 30 | 15 40.97 | −19 35.8 | 1.980 | 2.828 | 13.6 | 19.6 |

**191034** 2002 $BV_{26}$ 5 25.5 264.°65 1.°9/25.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 40.19 | −23 46.2 | 1.867 | 2.709 | 14.0 | 20.2 |
| 5 1 | 16 34.24 | −24 30.7 | 1.775 | 2.696 | 10.7 | 20.0 |
| 5 11 | 16 25.67 | −25 12.0 | 1.705 | 2.682 | 6.9 | 19.7 |
| 5 21 | 16 15.16 | −25 47.7 | 1.661 | 2.668 | 2.9 | 19.4 |
| 5 31 | 16 3.75 | −26 16.1 | 1.645 | 2.653 | 3.0 | 19.4 |
| 6 10 | 15 52.73 | −26 37.2 | 1.657 | 2.639 | 7.1 | 19.6 |
| 6 20 | 15 43.25 | −26 52.9 | 1.694 | 2.624 | 11.1 | 19.8 |
| 6 30 | 15 36.24 | −27 6.3 | 1.753 | 2.609 | 14.7 | 20.0 |

**40663** 1999 $RR_{195}$ 5 25.5 149.°30 1.°9/24.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.27 | −17 59.9 | 2.158 | 3.007 | 12.1 | 18.8 |
| 5 1 | 16 29.75 | −17 13.2 | 2.087 | 3.014 | 9.0 | 18.6 |
| 5 11 | 16 22.44 | −16 22.9 | 2.040 | 3.020 | 5.6 | 18.4 |
| 5 21 | 16 14.00 | −15 31.6 | 2.019 | 3.026 | 2.3 | 18.2 |
| 5 31 | 16 5.28 | −14 42.6 | 2.028 | 3.032 | 3.2 | 18.3 |
| 6 10 | 15 57.17 | −13 59.4 | 2.064 | 3.037 | 6.6 | 18.5 |
| 6 20 | 15 50.38 | −13 24.9 | 2.126 | 3.042 | 9.9 | 18.7 |
| 6 30 | 15 45.47 | −13 1.0 | 2.212 | 3.046 | 12.8 | 18.9 |

**95227** 2002 $CO_{25}$ 5 25.5 217.°92 2.°4/24.4 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.00 | −16 24.6 | 1.950 | 2.798 | 13.3 | 21.1 |
| 5 1 | 16 32.92 | −15 49.8 | 1.862 | 2.788 | 10.0 | 20.8 |
| 5 11 | 16 24.61 | −15 12.3 | 1.797 | 2.777 | 6.3 | 20.6 |
| 5 21 | 16 14.75 | −14 34.3 | 1.759 | 2.765 | 2.9 | 20.3 |
| 5 31 | 16 4.33 | −13 58.9 | 1.749 | 2.752 | 3.8 | 20.4 |
| 6 10 | 15 54.43 | −13 29.5 | 1.767 | 2.739 | 7.6 | 20.6 |
| 6 20 | 15 45.99 | −13 9.1 | 1.810 | 2.724 | 11.5 | 20.8 |
| 6 30 | 15 39.72 | −12 59.5 | 1.875 | 2.709 | 14.9 | 21.0 |

**62256** 2000 $SC_{84}$ 5 25.5 248.°92 3.°6/23.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.10 | −13 6.0 | 2.067 | 2.918 | 12.5 | 20.9 |
| 5 1 | 16 29.90 | −12 20.1 | 1.976 | 2.903 | 9.5 | 20.7 |
| 5 11 | 16 22.71 | −11 33.6 | 1.910 | 2.887 | 6.3 | 20.5 |
| 5 21 | 16 14.15 | −10 49.7 | 1.869 | 2.870 | 3.8 | 20.3 |
| 5 31 | 16 5.07 | −10 11.9 | 1.857 | 2.853 | 4.7 | 20.3 |
| 6 10 | 15 56.41 | − 9 43.6 | 1.872 | 2.835 | 7.9 | 20.5 |
| 6 20 | 15 49.02 | − 9 27.0 | 1.911 | 2.817 | 11.4 | 20.7 |
| 6 30 | 15 43.55 | − 9 23.5 | 1.973 | 2.799 | 14.5 | 20.8 |

**262321** 2006 $TH_{26}$ 5 25.5 196.°92 1.°1/25.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.11 | −24 33.8 | 2.043 | 2.881 | 13.1 | 21.7 |
| 5 1 | 16 32.98 | −24 33.8 | 1.959 | 2.879 | 9.9 | 21.5 |
| 5 11 | 16 24.63 | −24 26.8 | 1.898 | 2.875 | 6.3 | 21.3 |
| 5 21 | 16 14.75 | −24 12.5 | 1.864 | 2.871 | 2.3 | 21.0 |
| 5 31 | 16 4.36 | −23 51.8 | 1.857 | 2.867 | 2.4 | 21.0 |
| 6 10 | 15 54.53 | −23 27.3 | 1.879 | 2.861 | 6.3 | 21.2 |
| 6 20 | 15 46.21 | −23 2.4 | 1.927 | 2.855 | 10.1 | 21.5 |
| 6 30 | 15 40.09 | −22 40.7 | 1.998 | 2.849 | 13.4 | 21.7 |

**203240** 2001 $NV_{15}$ 5 25.5 233.°43 1.°6/26.1 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.02 | −25 33.3 | 1.677 | 2.521 | 15.2 | 21.4 |
| 5 1 | 16 35.02 | −25 36.0 | 1.586 | 2.509 | 11.7 | 21.1 |
| 5 11 | 16 26.20 | −25 29.8 | 1.518 | 2.496 | 7.5 | 20.8 |
| 5 21 | 16 15.33 | −25 13.5 | 1.475 | 2.482 | 3.0 | 20.5 |
| 5 31 | 16 3.62 | −24 47.8 | 1.458 | 2.467 | 2.9 | 20.5 |
| 6 10 | 15 52.50 | −24 15.8 | 1.469 | 2.452 | 7.6 | 20.7 |
| 6 20 | 15 43.20 | −23 42.3 | 1.504 | 2.436 | 12.1 | 20.9 |
| 6 30 | 15 36.64 | −23 12.5 | 1.560 | 2.420 | 16.1 | 21.2 |

**125398** 2001 $VZ_{98}$ 5 25.5 134.°33 5.°0/22.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.42 | − 8 52.9 | 2.064 | 2.911 | 12.6 | 20.4 |
| 5 1 | 16 29.85 | − 7 54.5 | 2.002 | 2.922 | 9.7 | 20.3 |
| 5 11 | 16 22.49 | − 6 59.7 | 1.965 | 2.933 | 6.9 | 20.1 |
| 5 21 | 16 14.04 | − 6 12.5 | 1.954 | 2.943 | 5.1 | 20.0 |
| 5 31 | 16 5.33 | − 5 36.6 | 1.971 | 2.953 | 5.9 | 20.1 |
| 6 10 | 15 57.25 | − 5 14.6 | 2.014 | 2.962 | 8.5 | 20.3 |
| 6 20 | 15 50.51 | − 5 7.5 | 2.082 | 2.971 | 11.4 | 20.5 |
| 6 30 | 15 45.64 | − 5 14.8 | 2.171 | 2.979 | 13.9 | 20.7 |

**422457** 2014 $SH_{313}$ 5 25.5 316.°72 1.°5/24.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.60 | −17 11.4 | 2.612 | 3.463 | 10.2 | 20.8 |
| 5 1 | 16 25.50 | −16 51.7 | 2.516 | 3.445 | 7.6 | 20.6 |
| 5 11 | 16 19.89 | −16 30.2 | 2.446 | 3.427 | 4.7 | 20.4 |
| 5 21 | 16 13.25 | −16 8.4 | 2.402 | 3.409 | 1.9 | 20.2 |
| 5 31 | 16 6.21 | −15 48.2 | 2.386 | 3.392 | 2.6 | 20.2 |
| 6 10 | 15 59.50 | −15 31.5 | 2.398 | 3.375 | 5.6 | 20.4 |
| 6 20 | 15 53.72 | −15 20.0 | 2.437 | 3.358 | 8.6 | 20.6 |
| 6 30 | 15 49.41 | −15 15.2 | 2.499 | 3.341 | 11.3 | 20.7 |

**425660** 2010 $XD_{12}$ 5 25.5 205.°78 1.°1/26.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.47 | −25 24.7 | 2.011 | 2.850 | 13.3 | 22.0 |
| 5 1 | 16 32.55 | −25 15.2 | 1.926 | 2.845 | 10.1 | 21.7 |
| 5 11 | 16 24.38 | −24 57.5 | 1.863 | 2.840 | 6.4 | 21.5 |
| 5 21 | 16 14.70 | −24 31.3 | 1.827 | 2.834 | 2.4 | 21.2 |
| 5 31 | 16 4.49 | −23 58.1 | 1.819 | 2.828 | 2.4 | 21.2 |
| 6 10 | 15 54.87 | −23 21.2 | 1.838 | 2.821 | 6.4 | 21.5 |
| 6 20 | 15 46.77 | −22 44.3 | 1.884 | 2.814 | 10.2 | 21.7 |
| 6 30 | 15 40.89 | −22 11.7 | 1.953 | 2.805 | 13.6 | 21.9 |

**130480** 2000 $QE_{97}$ 5 25.5 201.°31 0.°1/25.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 40.27 | −21 30.0 | 2.091 | 2.930 | 12.9 | 21.1 |
| 5 1 | 16 33.78 | −21 22.6 | 2.004 | 2.925 | 9.7 | 20.9 |
| 5 11 | 16 25.10 | −21 10.2 | 1.940 | 2.919 | 6.0 | 20.6 |
| 5 21 | 16 14.92 | −20 53.2 | 1.903 | 2.912 | 1.9 | 20.3 |
| 5 31 | 16 4.21 | −20 32.7 | 1.895 | 2.905 | 2.3 | 20.4 |
| 6 10 | 15 54.02 | −20 11.4 | 1.916 | 2.896 | 6.4 | 20.6 |
| 6 20 | 15 45.28 | −19 52.2 | 1.963 | 2.887 | 10.2 | 20.8 |
| 6 30 | 15 38.69 | −19 38.0 | 2.034 | 2.876 | 13.5 | 21.0 |

**222731** 2002 $AM_{174}$ 5 25.5 166.°42 0.°9/25.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.46 | −24 13.1 | 2.016 | 2.858 | 13.1 | 21.1 |
| 5 1 | 16 31.71 | −24 12.1 | 1.939 | 2.861 | 9.9 | 20.9 |
| 5 11 | 16 23.82 | −24 4.4 | 1.885 | 2.863 | 6.2 | 20.6 |
| 5 21 | 16 14.50 | −23 50.0 | 1.858 | 2.866 | 2.3 | 20.4 |
| 5 31 | 16 4.74 | −23 29.9 | 1.858 | 2.868 | 2.3 | 20.4 |
| 6 10 | 15 55.60 | −23 6.8 | 1.886 | 2.869 | 6.2 | 20.6 |
| 6 20 | 15 47.95 | −22 43.9 | 1.940 | 2.870 | 9.9 | 20.9 |
| 6 30 | 15 42.47 | −22 24.6 | 2.017 | 2.871 | 13.2 | 21.1 |

**271007** 2002 $XF_{117}$ 5 25.5 281.°57 1.°7/24.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.01 | −17 57.9 | 1.652 | 2.511 | 14.7 | 20.9 |
| 5 1 | 16 32.04 | −17 43.1 | 1.554 | 2.487 | 11.2 | 20.6 |
| 5 11 | 16 24.42 | −17 25.4 | 1.479 | 2.462 | 7.0 | 20.3 |
| 5 21 | 16 14.80 | −17 5.9 | 1.428 | 2.436 | 2.6 | 20.0 |
| 5 31 | 16 4.27 | −16 47.1 | 1.403 | 2.411 | 3.5 | 20.0 |
| 6 10 | 15 54.12 | −16 32.1 | 1.405 | 2.385 | 8.3 | 20.2 |
| 6 20 | 15 45.55 | −16 23.8 | 1.430 | 2.359 | 12.9 | 20.4 |
| 6 30 | 15 39.50 | −16 25.0 | 1.476 | 2.333 | 17.0 | 20.6 |

**33053** 1997 $UB_{12}$ 5 25.5 84.°58 0.°2/25.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.64 | −22 0.2 | 1.407 | 2.267 | 16.8 | 19.9 |
| 5 1 | 16 34.50 | −21 46.3 | 1.356 | 2.287 | 12.5 | 19.7 |
| 5 11 | 16 25.62 | −21 25.5 | 1.325 | 2.308 | 7.6 | 19.5 |
| 5 21 | 16 15.05 | −20 58.8 | 1.319 | 2.328 | 2.4 | 19.2 |
| 5 31 | 16 4.19 | −20 29.1 | 1.338 | 2.348 | 2.9 | 19.3 |
| 6 10 | 15 54.44 | −20 0.4 | 1.384 | 2.368 | 7.9 | 19.6 |
| 6 20 | 15 46.88 | −19 36.8 | 1.453 | 2.388 | 12.3 | 19.9 |
| 6 30 | 15 42.15 | −19 21.6 | 1.543 | 2.407 | 16.0 | 20.2 |

**374022** 2004 $EM_{23}$ 5 25.5 136.°33 15.°8/31.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 17 2.24 | −53 7.7 | 1.396 | 2.134 | 22.8 | 21.4 |
| 5 1 | 16 53.61 | −55 7.8 | 1.342 | 2.149 | 20.5 | 21.2 |
| 5 11 | 16 38.93 | −56 37.5 | 1.304 | 2.162 | 18.2 | 21.1 |
| 5 21 | 16 19.60 | −57 22.8 | 1.283 | 2.175 | 16.5 | 21.0 |
| 5 31 | 15 58.64 | −57 14.8 | 1.283 | 2.187 | 15.8 | 21.0 |
| 6 10 | 15 39.74 | −56 16.2 | 1.303 | 2.198 | 16.3 | 21.1 |
| 6 20 | 15 25.62 | −54 40.0 | 1.343 | 2.207 | 17.8 | 21.2 |
| 6 30 | 15 17.47 | −52 43.5 | 1.400 | 2.216 | 19.8 | 21.4 |

**292128** 2006 $RF_{74}$ 5 25.5 78.°70 1.°1/25.0 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.63 | −19 14.3 | 2.116 | 2.968 | 12.2 | 20.9 |
| 5 1 | 16 28.69 | −18 54.2 | 2.041 | 2.970 | 9.1 | 20.7 |
| 5 11 | 16 21.89 | −18 30.9 | 1.990 | 2.972 | 5.6 | 20.5 |
| 5 21 | 16 13.89 | −18 5.7 | 1.965 | 2.974 | 1.9 | 20.3 |
| 5 31 | 16 5.53 | −17 40.6 | 1.969 | 2.977 | 2.6 | 20.3 |
| 6 10 | 15 57.72 | −17 18.5 | 1.999 | 2.979 | 6.3 | 20.6 |
| 6 20 | 15 51.21 | −17 1.5 | 2.055 | 2.981 | 9.7 | 20.8 |
| 6 30 | 15 46.59 | −16 51.7 | 2.134 | 2.983 | 12.7 | 21.0 |

**266550** 2008 $GY_5$ 5 25.5 251.°97 4.°2/23.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.27 | −11 41.7 | 1.812 | 2.667 | 13.8 | 20.6 |
| 5 1 | 16 31.04 | −11 5.7 | 1.726 | 2.654 | 10.6 | 20.4 |
| 5 11 | 16 23.55 | −10 31.3 | 1.663 | 2.640 | 7.1 | 20.1 |
| 5 21 | 16 14.48 | −10 1.7 | 1.626 | 2.626 | 4.4 | 19.9 |
| 5 31 | 16 4.80 | − 9 40.5 | 1.615 | 2.611 | 5.4 | 20.0 |
| 6 10 | 15 55.60 | − 9 30.6 | 1.631 | 2.596 | 8.8 | 20.1 |
| 6 20 | 15 47.85 | − 9 33.6 | 1.671 | 2.581 | 12.5 | 20.3 |
| 6 30 | 15 42.29 | − 9 50.0 | 1.732 | 2.565 | 15.9 | 20.5 |

**272643** 2005 $WC_{100}$ 5 25.5 190.°17 0.°6/25.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.23 | −19 58.6 | 2.103 | 2.948 | 12.5 | 21.8 |
| 5 1 | 16 31.44 | −19 49.0 | 2.022 | 2.947 | 9.4 | 21.6 |
| 5 11 | 16 23.63 | −19 35.9 | 1.965 | 2.946 | 5.8 | 21.4 |
| 5 21 | 16 14.47 | −19 19.9 | 1.934 | 2.944 | 1.9 | 21.1 |
| 5 31 | 16 4.86 | −19 2.6 | 1.932 | 2.941 | 2.4 | 21.1 |
| 6 10 | 15 55.79 | −18 46.3 | 1.958 | 2.938 | 6.3 | 21.4 |
| 6 20 | 15 48.09 | −18 33.5 | 2.010 | 2.935 | 10.0 | 21.6 |
| 6 30 | 15 42.42 | −18 26.4 | 2.086 | 2.931 | 13.1 | 21.8 |

**157834** 1998 $FV_{39}$ 5 25.5 64.°68 0.°8/25.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.19 | −21 3.1 | 1.622 | 2.482 | 14.9 | 20.3 |
| 5 1 | 16 30.93 | −20 35.5 | 1.565 | 2.497 | 11.1 | 20.0 |
| 5 11 | 16 23.37 | −20 2.1 | 1.530 | 2.513 | 6.7 | 19.8 |
| 5 21 | 16 14.36 | −19 24.9 | 1.520 | 2.529 | 2.1 | 19.6 |
| 5 31 | 16 5.06 | −18 47.0 | 1.536 | 2.545 | 2.8 | 19.7 |
| 6 10 | 15 56.64 | −18 12.3 | 1.578 | 2.561 | 7.3 | 20.0 |
| 6 20 | 15 50.00 | −17 44.4 | 1.645 | 2.577 | 11.3 | 20.2 |
| 6 30 | 15 45.76 | −17 25.9 | 1.733 | 2.593 | 14.7 | 20.5 |

**169839** 2002 $QX_{120}$ 5 25.5 283°.25 2°.7/24.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.14 | −15 30.0 | 1.973 | 2.829 | 12.8 | 21.0 |
| 5 1 | 16 29.39 | −14 58.0 | 1.877 | 2.807 | 9.7 | 20.7 |
| 5 11 | 16 22.53 | −14 24.2 | 1.804 | 2.785 | 6.2 | 20.5 |
| 5 21 | 16 14.17 | −13 50.9 | 1.757 | 2.763 | 3.0 | 20.2 |
| 5 31 | 16 5.18 | −13 21.3 | 1.738 | 2.740 | 3.9 | 20.3 |
| 6 10 | 15 56.57 | −12 58.3 | 1.745 | 2.718 | 7.6 | 20.4 |
| 6 20 | 15 49.25 | −12 44.7 | 1.777 | 2.695 | 11.4 | 20.6 |
| 6 30 | 15 43.95 | −12 42.1 | 1.830 | 2.672 | 14.8 | 20.8 |

**340525** 2006 $JO_{35}$ 5 25.5 247°.70 3°.8/23.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.41 | −14 3.7 | 2.016 | 2.872 | 12.6 | 20.5 |
| 5 1 | 16 28.57 | −12 54.0 | 1.938 | 2.867 | 9.5 | 20.2 |
| 5 11 | 16 21.85 | −11 42.2 | 1.884 | 2.861 | 6.2 | 20.0 |
| 5 21 | 16 13.90 | −10 32.5 | 1.856 | 2.856 | 3.9 | 19.9 |
| 5 31 | 16 5.57 | − 9 29.5 | 1.856 | 2.850 | 4.9 | 19.9 |
| 6 10 | 15 57.79 | − 8 37.6 | 1.883 | 2.845 | 8.1 | 20.1 |
| 6 20 | 15 51.32 | − 7 59.7 | 1.935 | 2.839 | 11.4 | 20.3 |
| 6 30 | 15 46.75 | − 7 37.2 | 2.008 | 2.833 | 14.3 | 20.5 |

**389781** 2011 $UU_{12}$ 5 25.5 255°.36 1°.7/26.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.07 | −26 7.8 | 2.272 | 3.109 | 12.0 | 20.8 |
| 5 1 | 16 29.84 | −26 21.2 | 2.188 | 3.106 | 9.1 | 20.6 |
| 5 11 | 16 22.67 | −26 28.1 | 2.128 | 3.103 | 5.9 | 20.4 |
| 5 21 | 16 14.18 | −26 27.7 | 2.094 | 3.100 | 2.6 | 20.1 |
| 5 31 | 16 5.23 | −26 20.4 | 2.089 | 3.096 | 2.5 | 20.1 |
| 6 10 | 15 56.74 | −26 7.8 | 2.110 | 3.093 | 5.7 | 20.3 |
| 6 20 | 15 49.54 | −25 52.6 | 2.159 | 3.090 | 9.0 | 20.5 |
| 6 30 | 15 44.25 | −25 37.9 | 2.230 | 3.086 | 12.0 | 20.7 |

**348161** 2004 $HJ_{45}$ 5 25.5 32°.61 1°.0/25.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.98 | −20 16.6 | 1.893 | 2.751 | 13.2 | 20.8 |
| 5 1 | 16 28.37 | −19 46.4 | 1.825 | 2.756 | 9.8 | 20.5 |
| 5 11 | 16 21.76 | −19 11.2 | 1.779 | 2.763 | 6.0 | 20.3 |
| 5 21 | 16 13.88 | −18 33.2 | 1.760 | 2.769 | 2.0 | 20.1 |
| 5 31 | 16 5.66 | −17 55.3 | 1.767 | 2.776 | 2.7 | 20.1 |
| 6 10 | 15 58.09 | −17 20.8 | 1.801 | 2.783 | 6.7 | 20.4 |
| 6 20 | 15 51.97 | −16 52.8 | 1.861 | 2.790 | 10.3 | 20.6 |
| 6 30 | 15 47.89 | −16 33.7 | 1.942 | 2.798 | 13.5 | 20.9 |

**321776** 2010 $OA_{78}$ 5 25.5 271°.11 2°.8/24.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.26 | −13 2.9 | 2.496 | 3.344 | 10.7 | 21.1 |
| 5 1 | 16 27.52 | −12 37.8 | 2.403 | 3.327 | 8.1 | 20.9 |
| 5 11 | 16 21.16 | −12 13.4 | 2.334 | 3.311 | 5.3 | 20.7 |
| 5 21 | 16 13.70 | −11 51.6 | 2.292 | 3.294 | 3.0 | 20.5 |
| 5 31 | 16 5.82 | −11 34.7 | 2.279 | 3.277 | 3.7 | 20.5 |
| 6 10 | 15 58.27 | −11 24.5 | 2.294 | 3.260 | 6.5 | 20.7 |
| 6 20 | 15 51.72 | −11 22.6 | 2.334 | 3.243 | 9.5 | 20.8 |
| 6 30 | 15 46.73 | −11 29.7 | 2.398 | 3.226 | 12.2 | 21.0 |

**305313** 2008 $AU_{44}$ 5 25.5 193°.65 4°.2/23.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.64 | − 8 45.3 | 2.431 | 3.276 | 11.1 | 21.1 |
| 5 1 | 16 27.69 | − 8 10.5 | 2.356 | 3.275 | 8.5 | 20.9 |
| 5 11 | 16 21.19 | − 7 39.3 | 2.305 | 3.274 | 6.0 | 20.8 |
| 5 21 | 16 13.69 | − 7 14.4 | 2.281 | 3.273 | 4.3 | 20.6 |
| 5 31 | 16 5.87 | − 6 58.2 | 2.285 | 3.271 | 5.0 | 20.7 |
| 6 10 | 15 58.49 | − 6 52.5 | 2.317 | 3.269 | 7.3 | 20.8 |
| 6 20 | 15 52.17 | − 6 58.0 | 2.373 | 3.267 | 10.0 | 21.0 |
| 6 30 | 15 47.42 | − 7 14.7 | 2.453 | 3.265 | 12.4 | 21.2 |

**55678** Lampos 5 25.5 95°.51 0°.9/24.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 25.81 | −17 21.6 | 4.469 | 5.310 | 6.5 | 19.7 |
| 5 1 | 16 22.06 | −17 1.3 | 4.394 | 5.317 | 4.8 | 19.6 |
| 5 11 | 16 17.51 | −16 40.1 | 4.345 | 5.324 | 2.9 | 19.4 |
| 5 21 | 16 12.49 | −16 18.9 | 4.324 | 5.332 | 1.2 | 19.3 |
| 5 31 | 16 7.33 | −15 58.7 | 4.334 | 5.339 | 1.6 | 19.3 |
| 6 10 | 16 2.41 | −15 40.7 | 4.373 | 5.346 | 3.4 | 19.5 |
| 6 20 | 15 58.04 | −15 25.7 | 4.439 | 5.353 | 5.2 | 19.6 |
| 6 30 | 15 54.50 | −15 14.7 | 4.532 | 5.360 | 6.8 | 19.7 |

**456100** 2006 $BZ_{222}$ 5 25.5 74°.80 0°.8/25.3 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.83 | −20 37.3 | 1.294 | 2.161 | 17.5 | 21.5 |
| 5 1 | 16 34.12 | −20 19.8 | 1.242 | 2.178 | 13.0 | 21.3 |
| 5 11 | 16 25.50 | −19 56.5 | 1.212 | 2.196 | 7.9 | 21.1 |
| 5 21 | 16 15.08 | −19 29.0 | 1.205 | 2.214 | 2.5 | 20.8 |
| 5 31 | 16 4.31 | −19 0.5 | 1.223 | 2.232 | 3.3 | 20.9 |
| 6 10 | 15 54.69 | −18 35.1 | 1.266 | 2.250 | 8.4 | 21.3 |
| 6 20 | 15 47.34 | −18 16.6 | 1.331 | 2.268 | 13.0 | 21.6 |
| 6 30 | 15 42.95 | −18 7.9 | 1.417 | 2.285 | 16.9 | 21.8 |

**164192** 2004 $BP_{105}$ 5 25.5 252°.08 7°.5/21.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.49 | + 0 18.9 | 2.246 | 3.076 | 12.4 | 19.6 |
| 5 1 | 16 28.50 | + 1 11.4 | 2.167 | 3.063 | 10.2 | 19.5 |
| 5 11 | 16 21.78 | + 1 54.6 | 2.111 | 3.050 | 8.4 | 19.3 |
| 5 21 | 16 13.91 | + 2 23.9 | 2.080 | 3.037 | 7.5 | 19.2 |
| 5 31 | 16 5.61 | + 2 35.9 | 2.076 | 3.024 | 8.3 | 19.3 |
| 6 10 | 15 57.71 | + 2 28.8 | 2.097 | 3.010 | 10.1 | 19.4 |
| 6 20 | 15 50.93 | + 2 2.9 | 2.141 | 2.996 | 12.5 | 19.5 |
| 6 30 | 15 45.85 | + 1 19.9 | 2.206 | 2.982 | 14.7 | 19.6 |

**249813** 2001 $DB_{100}$ 5 25.5 83°.66 1°.0/25.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 39.77 | −25 19.5 | 1.510 | 2.363 | 16.2 | 20.3 |
| 5 1 | 16 33.78 | −24 59.5 | 1.455 | 2.383 | 12.1 | 20.1 |
| 5 11 | 16 25.16 | −24 29.2 | 1.422 | 2.402 | 7.6 | 19.9 |
| 5 21 | 16 14.95 | −23 49.6 | 1.414 | 2.422 | 2.7 | 19.7 |
| 5 31 | 16 4.47 | −23 3.7 | 1.431 | 2.441 | 2.7 | 19.7 |
| 6 10 | 15 55.06 | −22 16.3 | 1.475 | 2.460 | 7.4 | 20.0 |
| 6 20 | 15 47.73 | −21 32.8 | 1.543 | 2.479 | 11.6 | 20.3 |
| 6 30 | 15 43.10 | −20 57.3 | 1.633 | 2.498 | 15.2 | 20.6 |

**391333** 2006 $UH_{15}$ 5 25.5 90°.18 4°.2/22.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.61 | −10 50.4 | 2.461 | 3.306 | 10.9 | 20.5 |
| 5 1 | 16 28.17 | − 9 27.1 | 2.408 | 3.329 | 8.3 | 20.4 |
| 5 11 | 16 21.34 | − 8 5.5 | 2.382 | 3.351 | 5.8 | 20.3 |
| 5 21 | 16 13.70 | − 6 49.5 | 2.383 | 3.373 | 4.3 | 20.2 |
| 5 31 | 16 5.96 | − 5 43.4 | 2.413 | 3.394 | 5.1 | 20.3 |
| 6 10 | 15 58.80 | − 4 50.2 | 2.472 | 3.416 | 7.4 | 20.5 |
| 6 20 | 15 52.79 | − 4 11.6 | 2.556 | 3.437 | 9.8 | 20.7 |
| 6 30 | 15 48.35 | − 3 47.8 | 2.663 | 3.457 | 12.0 | 20.8 |

**244879** 2003 $UR_{281}$ 5 25.5 151°.75 4°.0/27.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.71 | −33 16.3 | 2.289 | 3.102 | 12.7 | 20.7 |
| 5 1 | 16 32.61 | −33 38.8 | 2.212 | 3.108 | 10.1 | 20.5 |
| 5 11 | 16 24.38 | −33 50.1 | 2.157 | 3.114 | 7.2 | 20.4 |
| 5 21 | 16 14.74 | −33 48.0 | 2.129 | 3.119 | 4.7 | 20.2 |
| 5 31 | 16 4.66 | −33 32.5 | 2.128 | 3.124 | 4.2 | 20.2 |
| 6 10 | 15 55.19 | −33 5.6 | 2.155 | 3.128 | 6.4 | 20.3 |
| 6 20 | 15 47.20 | −32 31.0 | 2.208 | 3.132 | 9.2 | 20.5 |
| 6 30 | 15 41.36 | −31 53.6 | 2.285 | 3.136 | 11.9 | 20.7 |

**352602** 2008 $EN_{69}$ 5 25.6 21°.71 2°.7/26.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.04 | −28 6.1 | 1.793 | 2.640 | 14.3 | 20.3 |
| 5 1 | 16 29.46 | −28 23.1 | 1.726 | 2.648 | 10.9 | 20.1 |
| 5 11 | 16 22.58 | −28 30.5 | 1.682 | 2.656 | 7.2 | 19.9 |
| 5 21 | 16 14.19 | −28 27.3 | 1.662 | 2.665 | 3.7 | 19.7 |
| 5 31 | 16 5.35 | −28 14.1 | 1.668 | 2.674 | 3.3 | 19.7 |
| 6 10 | 15 57.22 | −27 53.4 | 1.700 | 2.684 | 6.7 | 19.9 |
| 6 20 | 15 50.74 | −27 29.0 | 1.757 | 2.695 | 10.3 | 20.1 |
| 6 30 | 15 46.58 | −27 5.2 | 1.836 | 2.706 | 13.5 | 20.4 |

**471265** 2011 $DN_{42}$ 5 25.6 357°.72 9°.6/27.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.03 | −38 29.4 | 1.404 | 2.231 | 18.6 | 20.3 |
| 5 1 | 16 34.60 | −40 7.5 | 1.335 | 2.228 | 15.6 | 20.1 |
| 5 11 | 16 26.51 | −41 29.5 | 1.285 | 2.226 | 12.5 | 19.9 |
| 5 21 | 16 15.62 | −42 27.3 | 1.256 | 2.224 | 10.2 | 19.8 |
| 5 31 | 16 3.52 | −42 55.2 | 1.250 | 2.224 | 9.8 | 19.8 |
| 6 10 | 15 52.21 | −42 53.5 | 1.267 | 2.224 | 11.6 | 19.9 |
| 6 20 | 15 43.40 | −42 28.0 | 1.304 | 2.225 | 14.5 | 20.0 |
| 6 30 | 15 38.26 | −41 47.9 | 1.361 | 2.228 | 17.6 | 20.2 |

**392176** 2009 $KK_{14}$ 5 25.6 321°.44 7°.6/22.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.80 | + 0 7.7 | 1.995 | 2.832 | 13.5 | 20.5 |
| 5 1 | 16 28.94 | + 0 30.9 | 1.918 | 2.820 | 11.1 | 20.4 |
| 5 11 | 16 22.16 | + 0 41.9 | 1.863 | 2.810 | 8.8 | 20.2 |
| 5 21 | 16 14.06 | + 0 37.1 | 1.833 | 2.799 | 7.6 | 20.1 |
| 5 31 | 16 5.49 | + 0 13.7 | 1.828 | 2.789 | 8.2 | 20.1 |
| 6 10 | 15 57.37 | − 0 28.6 | 1.848 | 2.779 | 10.2 | 20.2 |
| 6 20 | 15 50.51 | − 1 28.4 | 1.892 | 2.770 | 12.8 | 20.4 |
| 6 30 | 15 45.53 | − 2 42.9 | 1.958 | 2.761 | 15.4 | 20.5 |

**286213** 2001 $UG_{99}$ 5 25.6 183°.49 2°.7/23.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.84 | −14 39.6 | 2.441 | 3.289 | 10.9 | 21.0 |
| 5 1 | 16 27.86 | −13 54.6 | 2.363 | 3.289 | 8.2 | 20.8 |
| 5 11 | 16 21.31 | −13 8.6 | 2.311 | 3.289 | 5.2 | 20.6 |
| 5 21 | 16 13.75 | −12 24.2 | 2.286 | 3.289 | 2.9 | 20.5 |
| 5 31 | 16 5.91 | −11 44.3 | 2.290 | 3.288 | 3.7 | 20.5 |
| 6 10 | 15 58.53 | −11 11.7 | 2.321 | 3.287 | 6.5 | 20.7 |
| 6 20 | 15 52.24 | −10 48.2 | 2.379 | 3.286 | 9.4 | 20.9 |
| 6 30 | 15 47.56 | −10 35.1 | 2.460 | 3.285 | 12.0 | 21.1 |

**246954** 1999 $RH_{209}$ 5 25.6 245°.63 4°.0/22.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.66 | −10 26.5 | 2.627 | 3.473 | 10.3 | 20.5 |
| 5 1 | 16 26.93 | − 9 21.8 | 2.540 | 3.461 | 7.9 | 20.3 |
| 5 11 | 16 20.73 | − 8 17.7 | 2.479 | 3.449 | 5.5 | 20.1 |
| 5 21 | 16 13.58 | − 7 17.4 | 2.446 | 3.437 | 4.1 | 20.0 |
| 5 31 | 16 6.10 | − 6 24.6 | 2.441 | 3.424 | 4.9 | 20.0 |
| 6 10 | 15 58.99 | − 5 42.2 | 2.464 | 3.411 | 7.2 | 20.2 |
| 6 20 | 15 52.84 | − 5 12.3 | 2.513 | 3.398 | 9.8 | 20.3 |
| 6 30 | 15 48.14 | − 4 55.6 | 2.584 | 3.385 | 12.2 | 20.4 |

**282754** 2006 $HF_{13}$ 5 25.6 293°.78 5°.7/22.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.73 | − 9 20.2 | 1.831 | 2.691 | 13.5 | 20.2 |
| 5 1 | 16 28.40 | − 8 12.6 | 1.745 | 2.671 | 10.5 | 20.0 |
| 5 11 | 16 21.96 | − 7 6.3 | 1.681 | 2.652 | 7.5 | 19.8 |
| 5 21 | 16 14.04 | − 6 6.4 | 1.642 | 2.633 | 5.7 | 19.6 |
| 5 31 | 16 5.56 | − 5 18.1 | 1.630 | 2.613 | 6.8 | 19.7 |
| 6 10 | 15 57.51 | − 4 45.7 | 1.642 | 2.594 | 9.8 | 19.8 |
| 6 20 | 15 50.80 | − 4 31.3 | 1.678 | 2.575 | 13.2 | 19.9 |
| 6 30 | 15 46.14 | − 4 35.4 | 1.735 | 2.556 | 16.4 | 20.1 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **309678** 2008 $ER_{103}$ | | | 5 25.6 327°.43 | | 1°.0/25.1 16 | R |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 32.20 | −19 30.6 | 1.937 | 2.796 | 12.9 | 20.4 |
| 5 1 | 16 27.95 | −19 14.8 | 1.853 | 2.785 | 9.7 | 20.2 |
| 5 11 | 16 21.64 | −18 55.4 | 1.792 | 2.775 | 5.9 | 20.0 |
| 5 21 | 16 13.93 | −18 33.6 | 1.756 | 2.765 | 2.0 | 19.7 |
| 5 31 | 16 5.71 | −18 11.6 | 1.747 | 2.755 | 2.7 | 19.7 |
| 6 10 | 15 57.97 | −17 52.0 | 1.764 | 2.746 | 6.7 | 19.9 |
| 6 20 | 15 51.57 | −17 37.5 | 1.806 | 2.737 | 10.5 | 20.1 |
| 6 30 | 15 47.20 | −17 30.4 | 1.871 | 2.729 | 13.8 | 20.3 |
| **293017** 2006 $WJ_{50}$ | | | 5 25.6 348°.31 | | 2°.7/24.6 17 | |
| 4 21 | 16 32.78 | −14 18.7 | 1.835 | 2.697 | 13.3 | 19.9 |
| 5 1 | 16 28.38 | −14 8.9 | 1.759 | 2.692 | 10.0 | 19.7 |
| 5 11 | 16 21.90 | −14 0.5 | 1.706 | 2.688 | 6.4 | 19.5 |
| 5 21 | 16 14.01 | −13 55.1 | 1.678 | 2.684 | 3.1 | 19.3 |
| 5 31 | 16 5.63 | −13 54.8 | 1.677 | 2.681 | 3.8 | 19.3 |
| 6 10 | 15 57.78 | −14 1.2 | 1.701 | 2.678 | 7.5 | 19.5 |
| 6 20 | 15 51.33 | −14 15.5 | 1.750 | 2.676 | 11.1 | 19.7 |
| 6 30 | 15 46.94 | −14 38.2 | 1.821 | 2.674 | 14.4 | 20.0 |
| **386480** 2008 $YS_{156}$ | | | 5 25.6 205°.89 | | 6°.4/22.7 17 | |
| 4 21 | 16 33.66 | − 3 45.5 | 2.082 | 2.925 | 12.7 | 21.1 |
| 5 1 | 16 28.68 | − 3 4.3 | 2.012 | 2.924 | 10.2 | 20.9 |
| 5 11 | 16 21.91 | − 2 31.0 | 1.967 | 2.923 | 7.8 | 20.7 |
| 5 21 | 16 13.98 | − 2 9.5 | 1.946 | 2.922 | 6.4 | 20.7 |
| 5 31 | 16 5.69 | − 2 2.7 | 1.952 | 2.922 | 7.1 | 20.7 |
| 6 10 | 15 57.91 | − 2 12.2 | 1.983 | 2.921 | 9.3 | 20.8 |
| 6 20 | 15 51.37 | − 2 37.5 | 2.039 | 2.920 | 11.9 | 21.0 |
| 6 30 | 15 46.64 | − 3 17.4 | 2.116 | 2.919 | 14.4 | 21.2 |
| **432368** 2009 $WT_{71}$ | | | 5 25.6 217°.20 | | 0°.7/25.2 17 | |
| 4 21 | 16 36.72 | −20 26.4 | 2.143 | 2.988 | 12.4 | 22.4 |
| 5 1 | 16 31.10 | −20 4.2 | 2.055 | 2.980 | 9.3 | 22.2 |
| 5 11 | 16 23.48 | −19 37.4 | 1.991 | 2.972 | 5.7 | 21.9 |
| 5 21 | 16 14.50 | −19 6.8 | 1.954 | 2.963 | 1.9 | 21.6 |
| 5 31 | 16 5.04 | −18 34.8 | 1.946 | 2.954 | 2.5 | 21.7 |
| 6 10 | 15 56.08 | −18 4.3 | 1.965 | 2.944 | 6.4 | 21.9 |
| 6 20 | 15 48.45 | −17 38.2 | 2.011 | 2.934 | 10.0 | 22.1 |
| 6 30 | 15 42.79 | −17 19.1 | 2.079 | 2.923 | 13.2 | 22.3 |
| **66954** 1999 $XV_{19}$ | | | 5 25.6 269°.52 | | 1°.2/24.9 18 | |
| 4 21 | 16 35.13 | −20 50.3 | 1.998 | 2.849 | 12.9 | 19.4 |
| 5 1 | 16 30.13 | −20 4.9 | 1.901 | 2.829 | 9.7 | 19.2 |
| 5 11 | 16 22.99 | −19 12.1 | 1.828 | 2.810 | 6.0 | 18.9 |
| 5 21 | 16 14.38 | −18 14.0 | 1.781 | 2.790 | 2.1 | 18.6 |
| 5 31 | 16 5.18 | −17 14.0 | 1.762 | 2.769 | 2.9 | 18.6 |
| 6 10 | 15 56.45 | −16 16.6 | 1.770 | 2.749 | 7.0 | 18.9 |
| 6 20 | 15 49.08 | −15 26.3 | 1.804 | 2.728 | 11.0 | 19.0 |
| 6 30 | 15 43.78 | −14 46.5 | 1.861 | 2.707 | 14.4 | 19.2 |
| **126653** 2002 $CC_{201}$ | | | 5 25.6 286°.30 | | 7°.0/28.4 18 | |
| 4 21 | 16 39.27 | −38 36.3 | 1.796 | 2.605 | 15.8 | 19.8 |
| 5 1 | 16 33.94 | −39 12.9 | 1.711 | 2.596 | 13.1 | 19.6 |
| 5 11 | 16 25.67 | −39 32.5 | 1.646 | 2.587 | 10.2 | 19.4 |
| 5 21 | 16 15.29 | −39 30.8 | 1.604 | 2.578 | 7.7 | 19.2 |
| 5 31 | 16 4.09 | −39 5.9 | 1.587 | 2.570 | 7.1 | 19.2 |
| 6 10 | 15 53.61 | −38 20.2 | 1.595 | 2.561 | 8.9 | 19.3 |
| 6 20 | 15 45.10 | −37 19.7 | 1.627 | 2.552 | 11.9 | 19.4 |
| 6 30 | 15 39.50 | −36 12.4 | 1.681 | 2.544 | 15.0 | 19.6 |
| **342601** 2008 $UW_{313}$ | | | 5 25.6 331°.34 | | 3°.8/26.8 17 | |
| 4 21 | 16 30.48 | −29 8.8 | 1.233 | 2.105 | 17.8 | 19.3 |
| 5 1 | 16 28.15 | −29 21.3 | 1.142 | 2.077 | 14.0 | 19.0 |
| 5 11 | 16 22.55 | −29 19.5 | 1.071 | 2.050 | 9.6 | 18.6 |
| 5 21 | 16 14.40 | −29 1.0 | 1.020 | 2.024 | 5.1 | 18.3 |
| 5 31 | 16 5.06 | −28 25.5 | 0.992 | 1.999 | 4.5 | 18.2 |
| 6 10 | 15 56.26 | −27 36.9 | 0.986 | 1.976 | 9.1 | 18.4 |
| 6 20 | 15 49.59 | −26 42.3 | 1.001 | 1.955 | 14.4 | 18.6 |
| 6 30 | 15 46.22 | −25 49.7 | 1.034 | 1.935 | 19.2 | 18.8 |
| **145728** 1994 $RO$ | | | 5 25.6 218°.02 | | 0°.2/25.5 18 | |
| 4 21 | 16 38.09 | −21 42.7 | 2.047 | 2.890 | 12.9 | 21.3 |
| 5 1 | 16 32.26 | −21 26.3 | 1.958 | 2.882 | 9.7 | 21.1 |
| 5 11 | 16 24.27 | −21 4.2 | 1.893 | 2.873 | 6.0 | 20.8 |
| 5 21 | 16 14.79 | −20 37.2 | 1.854 | 2.863 | 1.9 | 20.6 |
| 5 31 | 16 4.77 | −20 7.0 | 1.844 | 2.853 | 2.4 | 20.6 |
| 6 10 | 15 55.26 | −19 36.6 | 1.861 | 2.842 | 6.5 | 20.8 |
| 6 20 | 15 47.18 | −19 9.4 | 1.905 | 2.831 | 10.3 | 21.0 |
| 6 30 | 15 41.21 | −18 48.5 | 1.971 | 2.818 | 13.7 | 21.2 |
| **275099** 2009 $VA_{30}$ | | | 5 25.6 198°.32 | | 1°.8/26.2 18 | |
| 4 21 | 16 39.26 | −25 27.4 | 2.072 | 2.907 | 13.1 | 21.1 |
| 5 1 | 16 33.20 | −25 50.3 | 1.988 | 2.905 | 10.0 | 20.9 |
| 5 11 | 16 24.88 | −26 6.9 | 1.927 | 2.902 | 6.4 | 20.6 |
| 5 21 | 16 14.99 | −26 16.1 | 1.893 | 2.899 | 2.8 | 20.4 |
| 5 31 | 16 4.52 | −26 17.4 | 1.887 | 2.895 | 2.7 | 20.4 |
| 6 10 | 15 54.57 | −26 12.5 | 1.909 | 2.891 | 6.3 | 20.6 |
| 6 20 | 15 46.09 | −26 4.0 | 1.958 | 2.887 | 9.9 | 20.8 |
| 6 30 | 15 39.82 | −25 55.3 | 2.029 | 2.882 | 13.1 | 21.0 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **336737** 2010 $EE_{72}$ | | | 5 25.6 212°.04 | | 5°.1/22.6 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.14 | − 7 10.5 | 2.370 | 3.211 | 11.4 | 21.8 |
| 5 1 | 16 28.89 | − 6 17.5 | 2.290 | 3.205 | 8.9 | 21.6 |
| 5 11 | 16 22.00 | − 5 28.3 | 2.235 | 3.198 | 6.5 | 21.5 |
| 5 21 | 16 14.03 | − 4 46.3 | 2.206 | 3.190 | 5.1 | 21.4 |
| 5 31 | 16 5.70 | − 4 15.1 | 2.206 | 3.182 | 5.9 | 21.4 |
| 6 10 | 15 57.79 | − 3 56.9 | 2.232 | 3.174 | 8.2 | 21.5 |
| 6 20 | 15 50.98 | − 3 52.7 | 2.284 | 3.165 | 10.8 | 21.7 |
| 6 30 | 15 45.80 | − 4 2.6 | 2.358 | 3.155 | 13.3 | 21.8 |
| **366234** 2012 $UZ_{122}$ | | | 5 25.6 41°.82 | | 0°.9/26.0 17 | |
| 4 21 | 16 34.27 | −25 44.1 | 1.740 | 2.593 | 14.4 | 20.6 |
| 5 1 | 16 29.46 | −25 14.8 | 1.683 | 2.610 | 10.8 | 20.4 |
| 5 11 | 16 22.47 | −24 35.8 | 1.648 | 2.628 | 6.7 | 20.2 |
| 5 21 | 16 14.17 | −23 48.6 | 1.637 | 2.646 | 2.4 | 20.0 |
| 5 31 | 16 5.63 | −22 56.3 | 1.654 | 2.664 | 2.4 | 20.0 |
| 6 10 | 15 57.93 | −22 3.6 | 1.697 | 2.683 | 6.5 | 20.3 |
| 6 20 | 15 51.91 | −21 14.9 | 1.765 | 2.702 | 10.3 | 20.6 |
| 6 30 | 15 48.14 | −20 34.2 | 1.855 | 2.721 | 13.6 | 20.8 |
| **493579** 2015 $KE_{154}$ | | | 5 25.6 327°.25 | | 0°.5/25.7 16 | |
| 4 21 | 16 33.79 | −22 28.1 | 1.782 | 2.639 | 13.9 | 21.1 |
| 5 1 | 16 29.39 | −22 30.3 | 1.698 | 2.629 | 10.5 | 20.8 |
| 5 11 | 16 22.67 | −22 27.3 | 1.637 | 2.619 | 6.5 | 20.6 |
| 5 21 | 16 14.32 | −22 18.9 | 1.600 | 2.609 | 2.2 | 20.3 |
| 5 31 | 16 5.35 | −22 6.5 | 1.590 | 2.600 | 2.4 | 20.3 |
| 6 10 | 15 56.91 | −21 52.4 | 1.606 | 2.591 | 6.8 | 20.5 |
| 6 20 | 15 49.99 | −21 39.6 | 1.646 | 2.583 | 10.9 | 20.7 |
| 6 30 | 15 45.35 | −21 31.1 | 1.708 | 2.575 | 14.5 | 20.9 |
| **394037** 2005 $WP_{76}$ | | | 5 25.6 217°.70 | | 0°.1/25.6 18 | |
| 4 21 | 16 35.50 | −20 17.4 | 2.665 | 3.502 | 10.4 | 21.1 |
| 5 1 | 16 29.89 | −20 36.6 | 2.577 | 3.497 | 7.8 | 20.9 |
| 5 11 | 16 22.64 | −20 54.0 | 2.514 | 3.492 | 4.8 | 20.7 |
| 5 21 | 16 14.25 | −21 9.2 | 2.478 | 3.487 | 1.5 | 20.5 |
| 5 31 | 16 5.44 | −21 22.4 | 2.473 | 3.482 | 1.8 | 20.5 |
| 6 10 | 15 56.98 | −21 34.4 | 2.496 | 3.477 | 5.1 | 20.7 |
| 6 20 | 15 49.54 | −21 46.3 | 2.547 | 3.471 | 8.1 | 20.9 |
| 6 30 | 15 43.71 | −21 59.4 | 2.622 | 3.465 | 10.8 | 21.1 |
| **118113** 3091 $T\text{-}_3$ | | | 5 25.6 192°.15 | | 3°.2/24.1 17 | |
| 4 21 | 16 36.86 | −15 49.9 | 1.710 | 2.569 | 14.3 | 20.7 |
| 5 1 | 16 31.49 | −14 59.1 | 1.637 | 2.568 | 10.8 | 20.5 |
| 5 11 | 16 23.83 | −14 5.6 | 1.586 | 2.567 | 6.8 | 20.3 |
| 5 21 | 16 14.65 | −13 12.9 | 1.560 | 2.565 | 3.5 | 20.0 |
| 5 31 | 16 5.01 | −12 25.4 | 1.562 | 2.564 | 4.5 | 20.1 |
| 6 10 | 15 56.05 | −11 47.4 | 1.590 | 2.561 | 8.4 | 20.3 |
| 6 20 | 15 48.71 | −11 21.8 | 1.642 | 2.559 | 12.3 | 20.6 |
| 6 30 | 15 43.69 | −11 10.3 | 1.715 | 2.556 | 15.7 | 20.8 |
| **506530** 2004 $TU_{149}$ | | | 5 25.6 218°.05 | | 0°.8/25.2 17 | |
| 4 21 | 16 35.85 | −20 24.4 | 2.057 | 2.905 | 12.7 | 22.4 |
| 5 1 | 16 30.51 | −19 59.1 | 1.973 | 2.900 | 9.5 | 22.2 |
| 5 11 | 16 23.15 | −19 28.8 | 1.913 | 2.895 | 5.8 | 22.0 |
| 5 21 | 16 14.43 | −18 54.9 | 1.879 | 2.889 | 1.9 | 21.7 |
| 5 31 | 16 5.25 | −18 19.9 | 1.874 | 2.882 | 2.6 | 21.7 |
| 6 10 | 15 56.61 | −17 46.9 | 1.896 | 2.876 | 6.5 | 22.0 |
| 6 20 | 15 49.33 | −17 19.1 | 1.943 | 2.869 | 10.2 | 22.2 |
| 6 30 | 15 44.07 | −16 58.9 | 2.014 | 2.861 | 13.4 | 22.4 |
| **126450** 2002 $CJ_{20}$ | | | 5 25.6 192°.90 | | 1°.3/26.2 18 | |
| 4 21 | 16 38.29 | −25 16.7 | 2.287 | 3.120 | 12.1 | 20.9 |
| 5 1 | 16 32.23 | −25 22.2 | 2.202 | 3.118 | 9.2 | 20.7 |
| 5 11 | 16 24.17 | −25 21.2 | 2.140 | 3.115 | 5.8 | 20.5 |
| 5 21 | 16 14.76 | −25 13.1 | 2.106 | 3.112 | 2.4 | 20.2 |
| 5 31 | 16 4.88 | −24 58.5 | 2.100 | 3.109 | 2.3 | 20.2 |
| 6 10 | 15 55.49 | −24 39.5 | 2.123 | 3.105 | 5.8 | 20.5 |
| 6 20 | 15 47.44 | −24 19.0 | 2.172 | 3.100 | 9.2 | 20.7 |
| 6 30 | 15 41.37 | −24 0.1 | 2.246 | 3.094 | 12.2 | 20.8 |
| **497421** 2005 $WT_{160}$ | | | 5 25.6 162°.14 | | 1°.3/26.1 17 | |
| 4 21 | 16 38.68 | −25 11.0 | 2.231 | 3.064 | 12.3 | 22.5 |
| 5 1 | 16 32.49 | −25 16.3 | 2.153 | 3.070 | 9.3 | 22.3 |
| 5 11 | 16 24.30 | −25 15.0 | 2.100 | 3.075 | 5.9 | 22.1 |
| 5 21 | 16 14.79 | −25 6.5 | 2.073 | 3.080 | 2.4 | 21.9 |
| 5 31 | 16 4.88 | −24 51.7 | 2.075 | 3.084 | 2.3 | 21.9 |
| 6 10 | 15 55.55 | −24 32.7 | 2.106 | 3.088 | 5.8 | 22.1 |
| 6 20 | 15 47.61 | −24 12.3 | 2.163 | 3.091 | 9.2 | 22.3 |
| 6 30 | 15 41.70 | −23 53.9 | 2.244 | 3.093 | 12.2 | 22.5 |
| **221006** 2005 $OH_2$ | | | 5 25.6 264°.76 | | 2°.6/24.6 18 | |
| 4 21 | 16 38.17 | −14 37.3 | 1.892 | 2.742 | 13.5 | 20.6 |
| 5 1 | 16 32.62 | −14 25.1 | 1.792 | 2.719 | 10.3 | 20.3 |
| 5 11 | 16 24.69 | −14 13.2 | 1.716 | 2.695 | 6.6 | 20.0 |
| 5 21 | 16 15.02 | −14 3.5 | 1.665 | 2.671 | 3.1 | 19.8 |
| 5 31 | 16 4.54 | −13 57.8 | 1.642 | 2.646 | 3.9 | 19.8 |
| 6 10 | 15 54.39 | −13 58.4 | 1.646 | 2.620 | 7.9 | 19.9 |
| 6 20 | 15 45.62 | −14 6.9 | 1.675 | 2.594 | 12.0 | 20.1 |
| 6 30 | 15 39.04 | −14 24.7 | 1.727 | 2.568 | 15.6 | 20.3 |

**118430** 1999 $TZ_{171}$ 5 25.6 207.°80 0.°3/25.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.19 | −20 26.4 | 2.878 | 3.716 | 9.7 | 21.0 |
| 5 1 | 16 28.03 | −20 18.2 | 2.789 | 3.711 | 7.3 | 20.8 |
| 5 11 | 16 21.43 | −20 7.0 | 2.726 | 3.706 | 4.4 | 20.6 |
| 5 21 | 16 13.87 | −19 53.5 | 2.691 | 3.700 | 1.4 | 20.4 |
| 5 31 | 16 5.98 | −19 38.6 | 2.685 | 3.694 | 1.8 | 20.4 |
| 6 10 | 15 58.44 | −19 24.2 | 2.709 | 3.688 | 4.8 | 20.6 |
| 6 20 | 15 51.85 | −19 11.8 | 2.759 | 3.682 | 7.7 | 20.8 |
| 6 30 | 15 46.70 | −19 3.3 | 2.835 | 3.675 | 10.2 | 20.9 |

**33224** Lesrogers 5 25.6 127.°25 3.°8/27.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.33 | −33 18.8 | 2.347 | 3.162 | 12.4 | 19.3 |
| 5 1 | 16 30.81 | −33 31.4 | 2.269 | 3.167 | 9.8 | 19.1 |
| 5 11 | 16 23.30 | −33 32.6 | 2.214 | 3.171 | 7.0 | 18.9 |
| 5 21 | 16 14.48 | −33 21.0 | 2.184 | 3.175 | 4.5 | 18.8 |
| 5 31 | 16 5.27 | −32 56.9 | 2.182 | 3.180 | 4.0 | 18.8 |
| 6 10 | 15 56.65 | −32 22.5 | 2.208 | 3.184 | 6.1 | 18.9 |
| 6 20 | 15 49.42 | −31 41.8 | 2.260 | 3.188 | 8.9 | 19.1 |
| 6 30 | 15 44.21 | −30 59.2 | 2.336 | 3.192 | 11.5 | 19.3 |

**471672** 2012 $TK_{170}$ 5 25.6 81.°60 2.°0/24.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.99 | −17 42.5 | 1.952 | 2.808 | 12.9 | 21.4 |
| 5 1 | 16 29.12 | −17 3.2 | 1.878 | 2.809 | 9.6 | 21.1 |
| 5 11 | 16 22.28 | −16 20.6 | 1.827 | 2.809 | 6.0 | 20.9 |
| 5 21 | 16 14.16 | −15 37.2 | 1.803 | 2.810 | 2.5 | 20.7 |
| 5 31 | 16 5.66 | −14 56.3 | 1.806 | 2.811 | 3.4 | 20.8 |
| 6 10 | 15 57.76 | −14 21.4 | 1.836 | 2.812 | 7.1 | 21.0 |
| 6 20 | 15 51.25 | −13 55.4 | 1.891 | 2.812 | 10.6 | 21.2 |
| 6 30 | 15 46.74 | −13 39.9 | 1.968 | 2.813 | 13.8 | 21.4 |

**431845** 2008 $SP_{57}$ 5 25.6 229.°03 2.°0/26.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.44 | −26 12.1 | 1.926 | 2.767 | 13.7 | 21.4 |
| 5 1 | 16 31.99 | −26 29.0 | 1.845 | 2.765 | 10.4 | 21.2 |
| 5 11 | 16 24.21 | −26 38.5 | 1.787 | 2.762 | 6.8 | 21.0 |
| 5 21 | 16 14.82 | −26 39.4 | 1.754 | 2.760 | 3.1 | 20.7 |
| 5 31 | 16 4.86 | −26 31.8 | 1.749 | 2.757 | 2.9 | 20.7 |
| 6 10 | 15 55.47 | −26 17.8 | 1.771 | 2.754 | 6.5 | 20.9 |
| 6 20 | 15 47.63 | −26 0.7 | 1.818 | 2.751 | 10.3 | 21.2 |
| 6 30 | 15 42.09 | −25 44.2 | 1.887 | 2.748 | 13.6 | 21.4 |

**38577** 1999 $XZ_{10}$ 5 25.6 3.°39 5.°4/27.0 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.76 | −34 14.9 | 2.269 | 3.076 | 13.0 | 17.6 |
| 5 1 | 16 34.51 | −35 29.8 | 2.187 | 3.076 | 10.5 | 17.4 |
| 5 11 | 16 25.83 | −36 35.5 | 2.129 | 3.076 | 7.9 | 17.2 |
| 5 21 | 16 15.39 | −37 27.7 | 2.097 | 3.076 | 5.8 | 17.1 |
| 5 31 | 16 4.17 | −38 3.6 | 2.093 | 3.076 | 5.6 | 17.1 |
| 6 10 | 15 53.37 | −38 23.0 | 2.116 | 3.077 | 7.4 | 17.2 |
| 6 20 | 15 44.03 | −38 28.5 | 2.166 | 3.077 | 10.0 | 17.4 |
| 6 30 | 15 36.99 | −38 24.4 | 2.238 | 3.078 | 12.5 | 17.5 |

**507464** 2012 $TR_{175}$ 5 25.6 177.°32 1.°8/26.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.76 | −26 18.5 | 2.098 | 2.936 | 12.8 | 21.8 |
| 5 1 | 16 31.26 | −26 26.7 | 2.018 | 2.936 | 9.8 | 21.6 |
| 5 11 | 16 23.65 | −26 27.4 | 1.962 | 2.937 | 6.3 | 21.4 |
| 5 21 | 16 14.63 | −26 20.0 | 1.932 | 2.937 | 2.8 | 21.2 |
| 5 31 | 16 5.14 | −26 4.9 | 1.929 | 2.937 | 2.6 | 21.1 |
| 6 10 | 15 56.21 | −25 44.5 | 1.954 | 2.937 | 6.1 | 21.4 |
| 6 20 | 15 48.72 | −25 22.0 | 2.005 | 2.937 | 9.6 | 21.6 |
| 6 30 | 15 43.33 | −25 0.9 | 2.079 | 2.937 | 12.7 | 21.8 |

**471616** 2012 $TZ_{1}$ 5 25.6 244.°67 5.°7/22.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.36 | − 7 49.6 | 2.073 | 2.923 | 12.5 | 21.5 |
| 5 1 | 16 28.55 | − 6 38.5 | 1.995 | 2.915 | 9.8 | 21.3 |
| 5 11 | 16 21.91 | − 5 30.2 | 1.941 | 2.907 | 7.2 | 21.1 |
| 5 21 | 16 14.07 | − 4 29.4 | 1.914 | 2.898 | 5.7 | 21.0 |
| 5 31 | 16 5.82 | − 3 40.9 | 1.913 | 2.889 | 6.7 | 21.0 |
| 6 10 | 15 58.04 | − 3 8.0 | 1.938 | 2.880 | 9.2 | 21.1 |
| 6 20 | 15 51.50 | − 2 52.4 | 1.988 | 2.871 | 12.1 | 21.3 |
| 6 30 | 15 46.78 | − 2 53.9 | 2.058 | 2.862 | 14.8 | 21.5 |

**336708** 2010 $CY_{74}$ 5 25.6 234.°34 3.°1/24.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.77 | −14 1.5 | 1.959 | 2.814 | 12.9 | 21.2 |
| 5 1 | 16 29.74 | −13 31.9 | 1.881 | 2.810 | 9.7 | 21.0 |
| 5 11 | 16 22.71 | −13 2.6 | 1.827 | 2.806 | 6.3 | 20.7 |
| 5 21 | 16 14.33 | −12 36.0 | 1.799 | 2.802 | 3.3 | 20.5 |
| 5 31 | 16 5.51 | −12 14.8 | 1.798 | 2.798 | 4.2 | 20.6 |
| 6 10 | 15 57.22 | −12 1.7 | 1.823 | 2.794 | 7.5 | 20.8 |
| 6 20 | 15 50.29 | −11 58.4 | 1.874 | 2.790 | 11.0 | 21.0 |
| 6 30 | 15 45.36 | −12 5.8 | 1.947 | 2.786 | 14.2 | 21.2 |

**257316** 2009 $HJ_{90}$ 5 25.6 357.°56 4.°3/23.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.49 | −17 17.7 | 1.193 | 2.077 | 17.4 | 20.0 |
| 5 1 | 16 29.00 | −15 48.1 | 1.129 | 2.075 | 13.1 | 19.7 |
| 5 11 | 16 22.63 | −14 11.1 | 1.086 | 2.073 | 8.3 | 19.4 |
| 5 21 | 16 14.35 | −12 33.5 | 1.066 | 2.071 | 4.5 | 19.2 |
| 5 31 | 16 5.52 | −11 4.3 | 1.070 | 2.071 | 6.1 | 19.3 |
| 6 10 | 15 57.62 | − 9 51.8 | 1.097 | 2.072 | 10.8 | 19.6 |
| 6 20 | 15 51.79 | − 9 1.4 | 1.144 | 2.073 | 15.4 | 19.8 |
| 6 30 | 15 48.80 | − 8 34.8 | 1.210 | 2.075 | 19.4 | 20.1 |

**201554** 2003 $RG_{17}$ 5 25.6 144.°02 1.°6/24.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.50 | −17 53.1 | 2.255 | 3.102 | 11.8 | 20.9 |
| 5 1 | 16 29.95 | −17 23.7 | 2.184 | 3.110 | 8.8 | 20.8 |
| 5 11 | 16 22.67 | −16 51.8 | 2.137 | 3.118 | 5.4 | 20.6 |
| 5 21 | 16 14.28 | −16 19.0 | 2.118 | 3.125 | 2.1 | 20.4 |
| 5 31 | 16 5.61 | −15 47.9 | 2.127 | 3.132 | 2.8 | 20.4 |
| 6 10 | 15 57.50 | −15 21.1 | 2.164 | 3.139 | 6.2 | 20.6 |
| 6 20 | 15 50.66 | −15 0.7 | 2.227 | 3.145 | 9.4 | 20.9 |
| 6 30 | 15 45.62 | −14 48.6 | 2.314 | 3.151 | 12.2 | 21.0 |

**203736** 2002 $QJ_{65}$ 5 25.6 228.°38 0.°6/25.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.11 | −20 16.9 | 2.150 | 2.997 | 12.2 | 21.6 |
| 5 1 | 16 29.92 | −20 3.1 | 2.066 | 2.992 | 9.1 | 21.4 |
| 5 11 | 16 22.80 | −19 45.4 | 2.006 | 2.987 | 5.6 | 21.1 |
| 5 21 | 16 14.36 | −19 24.7 | 1.972 | 2.981 | 1.8 | 20.9 |
| 5 31 | 16 5.48 | −19 2.8 | 1.966 | 2.975 | 2.3 | 20.9 |
| 6 10 | 15 57.08 | −18 42.0 | 1.988 | 2.969 | 6.2 | 21.1 |
| 6 20 | 15 49.97 | −18 24.9 | 2.036 | 2.963 | 9.7 | 21.3 |
| 6 30 | 15 44.79 | −18 13.9 | 2.107 | 2.956 | 12.9 | 21.5 |

**208532** 2001 $YP_{121}$ 5 25.6 174.°19 2.°6/26.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.04 | −28 17.6 | 1.800 | 2.634 | 14.8 | 21.6 |
| 5 1 | 16 35.53 | −28 23.4 | 1.723 | 2.637 | 11.4 | 21.4 |
| 5 11 | 16 26.42 | −28 18.5 | 1.668 | 2.640 | 7.5 | 21.2 |
| 5 21 | 16 15.54 | −28 1.5 | 1.638 | 2.641 | 3.6 | 20.9 |
| 5 31 | 16 4.11 | −27 33.0 | 1.636 | 2.643 | 3.3 | 20.9 |
| 6 10 | 15 53.43 | −26 56.4 | 1.661 | 2.643 | 7.0 | 21.1 |
| 6 20 | 15 44.60 | −26 16.5 | 1.711 | 2.642 | 11.0 | 21.4 |
| 6 30 | 15 38.38 | −25 38.7 | 1.784 | 2.641 | 14.5 | 21.6 |

**183016** 2002 $PU_{93}$ 5 25.6 244.°06 3.°3/26.8 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.30 | −29 40.2 | 1.887 | 2.718 | 14.4 | 21.3 |
| 5 1 | 16 34.42 | −29 57.6 | 1.792 | 2.703 | 11.2 | 21.0 |
| 5 11 | 16 25.89 | −30 4.7 | 1.720 | 2.688 | 7.6 | 20.8 |
| 5 21 | 16 15.43 | −29 59.0 | 1.672 | 2.673 | 4.2 | 20.5 |
| 5 31 | 16 4.17 | −29 40.1 | 1.652 | 2.656 | 3.8 | 20.5 |
| 6 10 | 15 53.40 | −29 10.3 | 1.659 | 2.640 | 7.2 | 20.6 |
| 6 20 | 15 44.30 | −28 34.0 | 1.691 | 2.622 | 11.1 | 20.8 |
| 6 30 | 15 37.73 | −27 56.8 | 1.745 | 2.604 | 14.7 | 21.0 |

**330083** 2005 $WL_{57}$ 5 25.6 197.°30 10.°7/25.0 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 49.72 | + 3 51.1 | 1.289 | 2.114 | 20.0 | 20.4 |
| 5 1 | 16 41.88 | + 3 48.5 | 1.219 | 2.113 | 16.7 | 20.1 |
| 5 11 | 16 30.64 | + 3 21.2 | 1.168 | 2.111 | 13.3 | 19.9 |
| 5 21 | 16 16.97 | + 2 23.7 | 1.140 | 2.108 | 11.0 | 19.8 |
| 5 31 | 16 2.40 | + 0 54.2 | 1.137 | 2.104 | 11.3 | 19.8 |
| 6 10 | 15 48.70 | − 1 3.5 | 1.158 | 2.099 | 14.0 | 19.9 |
| 6 20 | 15 37.34 | − 3 21.5 | 1.203 | 2.094 | 17.7 | 20.1 |
| 6 30 | 15 29.31 | − 5 51.5 | 1.269 | 2.089 | 21.3 | 20.4 |

**394287** 2006 $UZ_{336}$ 5 25.6 249.°45 2.°8/24.0 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.46 | −14 50.4 | 2.261 | 3.113 | 11.5 | 21.0 |
| 5 1 | 16 27.76 | −14 7.3 | 2.182 | 3.110 | 8.6 | 20.8 |
| 5 11 | 16 21.38 | −13 23.0 | 2.128 | 3.107 | 5.5 | 20.6 |
| 5 21 | 16 13.89 | −12 40.3 | 2.101 | 3.104 | 3.0 | 20.5 |
| 5 31 | 16 6.07 | −12 2.2 | 2.102 | 3.101 | 3.8 | 20.5 |
| 6 10 | 15 58.72 | −11 31.6 | 2.130 | 3.098 | 6.8 | 20.7 |
| 6 20 | 15 52.53 | −11 10.6 | 2.183 | 3.095 | 9.9 | 20.9 |
| 6 30 | 15 48.04 | −11 0.5 | 2.260 | 3.092 | 12.7 | 21.1 |

**429481** 2011 $AU_{20}$ 5 25.6 143.°76 0.°4/25.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.35 | −20 46.7 | 1.938 | 2.784 | 13.4 | 22.1 |
| 5 1 | 16 32.41 | −20 38.2 | 1.867 | 2.792 | 10.0 | 21.9 |
| 5 11 | 16 24.32 | −20 25.3 | 1.819 | 2.800 | 6.1 | 21.7 |
| 5 21 | 16 14.85 | −20 8.7 | 1.798 | 2.807 | 1.9 | 21.4 |
| 5 31 | 16 4.97 | −19 50.1 | 1.805 | 2.814 | 2.4 | 21.5 |
| 6 10 | 15 55.77 | −19 32.1 | 1.839 | 2.820 | 6.5 | 21.8 |
| 6 20 | 15 48.11 | −19 17.3 | 1.899 | 2.826 | 10.3 | 22.0 |
| 6 30 | 15 42.63 | −19 8.2 | 1.981 | 2.832 | 13.5 | 22.2 |

**427595** 2003 $SD_{130}$ 5 25.6 178.°43 10.°3/30.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 46.49 | −50 29.1 | 2.234 | 2.961 | 15.5 | 21.1 |
| 5 1 | 16 39.49 | −51 39.4 | 2.157 | 2.962 | 13.8 | 20.9 |
| 5 11 | 16 29.20 | −52 29.5 | 2.099 | 2.963 | 12.1 | 20.8 |
| 5 21 | 16 16.52 | −52 53.3 | 2.063 | 2.963 | 10.7 | 20.7 |
| 5 31 | 16 2.92 | −52 47.2 | 2.050 | 2.963 | 10.3 | 20.7 |
| 6 10 | 15 50.14 | −52 12.3 | 2.061 | 2.963 | 10.8 | 20.7 |
| 6 20 | 15 39.62 | −51 14.0 | 2.095 | 2.962 | 12.2 | 20.8 |
| 6 30 | 15 32.33 | −50 0.4 | 2.151 | 2.962 | 14.0 | 20.9 |

**143465** 2003 $CT$ 5 25.6 128.°74 4.°7/24.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.89 | − 8 1.8 | 1.894 | 2.739 | 13.7 | 19.8 |
| 5 1 | 16 32.70 | − 7 51.5 | 1.830 | 2.749 | 10.6 | 19.6 |
| 5 11 | 16 24.45 | − 7 47.7 | 1.789 | 2.759 | 7.3 | 19.4 |
| 5 21 | 16 14.88 | − 7 52.7 | 1.774 | 2.768 | 4.9 | 19.3 |
| 5 31 | 16 4.95 | − 8 8.1 | 1.787 | 2.778 | 5.5 | 19.3 |
| 6 10 | 15 55.67 | − 8 34.6 | 1.826 | 2.786 | 8.4 | 19.5 |
| 6 20 | 15 47.90 | − 9 11.6 | 1.891 | 2.795 | 11.6 | 19.7 |
| 6 30 | 15 42.25 | − 9 58.1 | 1.978 | 2.803 | 14.5 | 19.9 |

**250435** 2003 $WG_{133}$ 5 25.6 269°.03 0°.3/25.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.54 | −23 22.8 | 1.689 | 2.540 | 14.8 | 21.0 |
| 5 1 | 16 33.28 | −23 5.6 | 1.590 | 2.517 | 11.3 | 20.7 |
| 5 11 | 16 25.29 | −22 39.8 | 1.512 | 2.493 | 7.1 | 20.4 |
| 5 21 | 16 15.28 | −22 5.6 | 1.459 | 2.468 | 2.4 | 20.0 |
| 5 31 | 16 4.36 | −21 24.9 | 1.433 | 2.443 | 2.7 | 20.0 |
| 6 10 | 15 53.88 | −20 41.6 | 1.434 | 2.418 | 7.7 | 20.2 |
| 6 20 | 15 45.05 | −20 0.8 | 1.459 | 2.392 | 12.4 | 20.5 |
| 6 30 | 15 38.82 | −19 27.3 | 1.505 | 2.365 | 16.5 | 20.6 |

**202835** 2008 $SY_{195}$ 5 25.6 115°.30 1°.4/24.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.78 | −18 38.0 | 2.146 | 2.994 | 12.2 | 21.1 |
| 5 1 | 16 30.21 | −18 10.6 | 2.080 | 3.007 | 9.1 | 20.9 |
| 5 11 | 16 22.84 | −17 40.2 | 2.039 | 3.020 | 5.5 | 20.7 |
| 5 21 | 16 14.35 | −17 8.5 | 2.025 | 3.033 | 2.0 | 20.5 |
| 5 31 | 16 5.59 | −16 38.0 | 2.039 | 3.045 | 2.7 | 20.6 |
| 6 10 | 15 57.47 | −16 11.3 | 2.080 | 3.058 | 6.2 | 20.8 |
| 6 20 | 15 50.70 | −15 50.9 | 2.148 | 3.069 | 9.6 | 21.0 |
| 6 30 | 15 45.82 | −15 38.4 | 2.239 | 3.081 | 12.5 | 21.2 |

**201783** 2003 $WU_{109}$ 5 25.6 156°.25 1°.3/26.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.05 | −25 31.2 | 2.049 | 2.891 | 13.0 | 20.3 |
| 5 1 | 16 30.73 | −25 28.6 | 1.971 | 2.892 | 9.8 | 20.1 |
| 5 11 | 16 23.33 | −25 18.3 | 1.917 | 2.894 | 6.2 | 19.9 |
| 5 21 | 16 14.54 | −25 0.3 | 1.888 | 2.895 | 2.5 | 19.7 |
| 5 31 | 16 5.33 | −24 35.9 | 1.887 | 2.897 | 2.4 | 19.7 |
| 6 10 | 15 56.70 | −24 7.6 | 1.914 | 2.898 | 6.1 | 19.9 |
| 6 20 | 15 49.53 | −23 39.1 | 1.966 | 2.899 | 9.7 | 20.1 |
| 6 30 | 15 44.45 | −23 13.7 | 2.042 | 2.900 | 12.9 | 20.3 |

**83835** 2001 $UQ_{26}$ 5 25.6 264°.03 4°.4/27.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.77 | −34 12.2 | 2.228 | 3.042 | 13.0 | 19.1 |
| 5 1 | 16 31.42 | −34 33.4 | 2.139 | 3.034 | 10.4 | 18.9 |
| 5 11 | 16 23.85 | −34 42.6 | 2.072 | 3.027 | 7.6 | 18.7 |
| 5 21 | 16 14.74 | −34 37.8 | 2.031 | 3.019 | 5.1 | 18.6 |
| 5 31 | 16 5.07 | −34 18.3 | 2.016 | 3.011 | 4.6 | 18.5 |
| 6 10 | 15 55.91 | −33 46.3 | 2.029 | 3.003 | 6.7 | 18.6 |
| 6 20 | 15 48.21 | −33 5.7 | 2.067 | 2.994 | 9.6 | 18.8 |
| 6 30 | 15 42.67 | −32 21.5 | 2.129 | 2.986 | 12.4 | 19.0 |

**412404** 2014 $BG_{57}$ 5 25.6 79°.45 3°.4/23.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.03 | −12 11.4 | 2.197 | 3.045 | 12.0 | 21.6 |
| 5 1 | 16 29.44 | −11 34.6 | 2.148 | 3.072 | 9.0 | 21.4 |
| 5 11 | 16 22.26 | −10 59.9 | 2.123 | 3.098 | 5.9 | 21.3 |
| 5 21 | 16 14.14 | −10 29.9 | 2.125 | 3.125 | 3.6 | 21.2 |
| 5 31 | 16 5.89 | −10 7.1 | 2.156 | 3.151 | 4.3 | 21.2 |
| 6 10 | 15 58.31 | − 9 53.3 | 2.214 | 3.177 | 6.9 | 21.5 |
| 6 20 | 15 52.02 | − 9 49.6 | 2.297 | 3.202 | 9.8 | 21.7 |
| 6 30 | 15 47.49 | − 9 56.1 | 2.403 | 3.227 | 12.3 | 21.9 |

**58184** Masayukiyamamoto 5 25.6 298°.98 0°.8/25.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.54 | −23 8.5 | 1.441 | 2.305 | 16.2 | 19.0 |
| 5 1 | 16 32.20 | −23 11.7 | 1.349 | 2.282 | 12.4 | 18.7 |
| 5 11 | 16 24.85 | −23 7.8 | 1.277 | 2.260 | 7.8 | 18.4 |
| 5 21 | 16 15.20 | −22 56.3 | 1.228 | 2.237 | 2.8 | 18.0 |
| 5 31 | 16 4.48 | −22 38.1 | 1.205 | 2.215 | 3.0 | 17.9 |
| 6 10 | 15 54.23 | −22 16.4 | 1.206 | 2.193 | 8.4 | 18.2 |
| 6 20 | 15 45.84 | −21 55.4 | 1.230 | 2.171 | 13.4 | 18.4 |
| 6 30 | 15 40.37 | −21 40.0 | 1.273 | 2.150 | 17.9 | 18.6 |

**486044** 2012 $TB_{143}$ 5 25.6 279°.76 1°.0/24.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 26.00 | −17 19.7 | 4.331 | 5.172 | 6.7 | 21.7 |
| 5 1 | 16 22.31 | −16 55.2 | 4.245 | 5.169 | 4.9 | 21.5 |
| 5 11 | 16 17.78 | −16 29.4 | 4.187 | 5.166 | 3.0 | 21.4 |
| 5 21 | 16 12.72 | −16 3.6 | 4.156 | 5.163 | 1.3 | 21.2 |
| 5 31 | 16 7.51 | −15 38.7 | 4.156 | 5.160 | 1.7 | 21.3 |
| 6 10 | 16 2.52 | −15 16.3 | 4.185 | 5.158 | 3.6 | 21.4 |
| 6 20 | 15 58.09 | −14 57.2 | 4.241 | 5.155 | 5.5 | 21.5 |
| 6 30 | 15 54.51 | −14 42.5 | 4.323 | 5.152 | 7.2 | 21.7 |

**190448** 2000 $AO_{35}$ 5 25.6 149°.27 1°.5/26.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.37 | −25 59.2 | 1.489 | 2.339 | 16.5 | 20.4 |
| 5 1 | 16 35.35 | −25 50.4 | 1.420 | 2.345 | 12.6 | 20.2 |
| 5 11 | 16 26.43 | −25 30.6 | 1.372 | 2.351 | 8.0 | 19.9 |
| 5 21 | 16 15.58 | −24 59.7 | 1.349 | 2.356 | 3.1 | 19.6 |
| 5 31 | 16 4.18 | −24 19.6 | 1.351 | 2.361 | 3.0 | 19.6 |
| 6 10 | 15 53.73 | −23 35.0 | 1.380 | 2.365 | 7.7 | 19.9 |
| 6 20 | 15 45.40 | −22 51.6 | 1.432 | 2.369 | 12.3 | 20.2 |
| 6 30 | 15 39.97 | −22 14.6 | 1.506 | 2.372 | 16.2 | 20.4 |

**429203** 2009 $WB_{168}$ 5 25.6 170°.03 0°.7/25.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.54 | −19 25.0 | 2.101 | 2.946 | 12.6 | 22.0 |
| 5 1 | 16 31.72 | −19 19.9 | 2.024 | 2.949 | 9.4 | 21.8 |
| 5 11 | 16 23.89 | −19 11.8 | 1.971 | 2.951 | 5.8 | 21.6 |
| 5 21 | 16 14.73 | −19 1.5 | 1.944 | 2.953 | 1.9 | 21.3 |
| 5 31 | 16 5.15 | −18 50.3 | 1.946 | 2.955 | 2.4 | 21.4 |
| 6 10 | 15 56.13 | −18 40.2 | 1.976 | 2.956 | 6.3 | 21.6 |
| 6 20 | 15 48.49 | −18 33.5 | 2.032 | 2.957 | 9.9 | 21.8 |
| 6 30 | 15 42.86 | −18 32.1 | 2.111 | 2.957 | 13.0 | 22.0 |

**319465** 2006 $OR_{11}$ 5 25.6 300°.16 4°.7/24.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.07 | −12 11.8 | 1.390 | 2.260 | 16.3 | 20.6 |
| 5 1 | 16 31.83 | −11 43.6 | 1.295 | 2.231 | 12.6 | 20.3 |
| 5 11 | 16 24.64 | −11 17.4 | 1.221 | 2.202 | 8.5 | 19.9 |
| 5 21 | 16 15.15 | −10 56.9 | 1.170 | 2.173 | 5.0 | 19.6 |
| 5 31 | 16 4.52 | −10 46.3 | 1.144 | 2.144 | 6.1 | 19.6 |
| 6 10 | 15 54.22 | −10 49.2 | 1.141 | 2.115 | 10.6 | 19.8 |
| 6 20 | 15 45.64 | −11 7.6 | 1.160 | 2.086 | 15.4 | 20.0 |
| 6 30 | 15 39.87 | −11 42.0 | 1.197 | 2.058 | 19.9 | 20.2 |

**523706** 2014 $HF_{200}$ 5 25.6 349°.14 0°.2/26.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 13.48 | −28 15.0 | 36.026 | 36.843 | 0.9 | 21.7 |
| 5 1 | 16 12.66 | −28 14.5 | 35.933 | 36.838 | 0.7 | 21.6 |
| 5 11 | 16 11.75 | −28 13.4 | 35.867 | 36.833 | 0.5 | 21.6 |
| 5 21 | 16 10.79 | −28 11.8 | 35.828 | 36.828 | 0.2 | 21.6 |
| 5 31 | 16 9.81 | −28 9.8 | 35.819 | 36.823 | 0.2 | 21.6 |
| 6 10 | 16 8.85 | −28 7.5 | 35.838 | 36.818 | 0.4 | 21.6 |
| 6 20 | 16 7.94 | −28 5.0 | 35.886 | 36.813 | 0.7 | 21.6 |
| 6 30 | 16 7.12 | −28 2.3 | 35.960 | 36.808 | 0.9 | 21.7 |

**510857** 2013 $CO_{76}$ 5 25.6 155°.30 4°.3/23.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.15 | − 6 25.7 | 2.744 | 3.579 | 10.2 | 22.2 |
| 5 1 | 16 27.93 | − 6 2.4 | 2.673 | 3.585 | 8.0 | 22.1 |
| 5 11 | 16 21.34 | − 5 44.1 | 2.628 | 3.590 | 5.7 | 21.9 |
| 5 21 | 16 13.88 | − 5 33.0 | 2.609 | 3.595 | 4.3 | 21.8 |
| 5 31 | 16 6.18 | − 5 30.9 | 2.619 | 3.599 | 4.9 | 21.9 |
| 6 10 | 15 58.87 | − 5 38.8 | 2.657 | 3.603 | 6.8 | 22.0 |
| 6 20 | 15 52.53 | − 5 56.8 | 2.721 | 3.607 | 9.1 | 22.2 |
| 6 30 | 15 47.60 | − 6 24.3 | 2.809 | 3.610 | 11.3 | 22.3 |

**479060** 2013 $AX_{68}$ 5 25.6 79°.62 5°.1/28.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.88 | −38 21.0 | 2.280 | 3.079 | 13.2 | 21.0 |
| 5 1 | 16 31.34 | −38 21.4 | 2.202 | 3.083 | 10.8 | 20.8 |
| 5 11 | 16 23.67 | −38 6.0 | 2.146 | 3.088 | 8.1 | 20.7 |
| 5 21 | 16 14.65 | −37 33.3 | 2.115 | 3.093 | 5.8 | 20.5 |
| 5 31 | 16 5.29 | −36 43.9 | 2.110 | 3.098 | 5.2 | 20.5 |
| 6 10 | 15 56.64 | −35 41.2 | 2.133 | 3.103 | 6.7 | 20.6 |
| 6 20 | 15 49.56 | −34 30.3 | 2.182 | 3.108 | 9.2 | 20.8 |
| 6 30 | 15 44.66 | −33 17.3 | 2.255 | 3.112 | 11.8 | 20.9 |

**374591** 2006 $DE_{77}$ 5 25.6 179°.04 4°.9/22.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.34 | − 6 12.5 | 2.581 | 3.415 | 10.9 | 22.5 |
| 5 1 | 16 29.63 | − 5 27.8 | 2.507 | 3.417 | 8.5 | 22.3 |
| 5 11 | 16 22.41 | − 4 47.7 | 2.459 | 3.418 | 6.2 | 22.2 |
| 5 21 | 16 14.24 | − 4 15.2 | 2.437 | 3.419 | 4.9 | 22.1 |
| 5 31 | 16 5.78 | − 3 53.0 | 2.445 | 3.419 | 5.6 | 22.2 |
| 6 10 | 15 57.76 | − 3 43.0 | 2.480 | 3.418 | 7.6 | 22.3 |
| 6 20 | 15 50.79 | − 3 45.6 | 2.541 | 3.416 | 10.0 | 22.4 |
| 6 30 | 15 45.36 | − 4 0.6 | 2.624 | 3.414 | 12.3 | 22.6 |

**278359** 2007 $JT_{37}$ 5 25.6 324°.23 2°.5/26.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.10 | −27 2.7 | 1.678 | 2.526 | 15.0 | 20.9 |
| 5 1 | 16 32.09 | −27 20.8 | 1.600 | 2.523 | 11.6 | 20.6 |
| 5 11 | 16 24.46 | −27 30.0 | 1.543 | 2.519 | 7.6 | 20.4 |
| 5 21 | 16 15.00 | −27 28.8 | 1.511 | 2.516 | 3.6 | 20.1 |
| 5 31 | 16 4.87 | −27 17.2 | 1.505 | 2.512 | 3.3 | 20.1 |
| 6 10 | 15 55.39 | −26 57.7 | 1.524 | 2.509 | 7.2 | 20.3 |
| 6 20 | 15 47.68 | −26 34.4 | 1.568 | 2.506 | 11.3 | 20.6 |
| 6 30 | 15 42.56 | −26 12.0 | 1.634 | 2.504 | 15.0 | 20.8 |

**305847** 2009 $EJ_{4}$ 5 25.6 102°.38 1°.3/25.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.74 | −18 42.0 | 1.556 | 2.412 | 15.6 | 21.3 |
| 5 1 | 16 34.46 | −18 27.9 | 1.500 | 2.430 | 11.6 | 21.1 |
| 5 11 | 16 25.66 | −18 10.6 | 1.466 | 2.448 | 7.1 | 20.9 |
| 5 21 | 16 15.30 | −17 51.7 | 1.457 | 2.466 | 2.5 | 20.6 |
| 5 31 | 16 4.61 | −17 33.3 | 1.475 | 2.483 | 3.2 | 20.7 |
| 6 10 | 15 54.87 | −17 18.6 | 1.519 | 2.500 | 7.7 | 21.0 |
| 6 20 | 15 47.08 | −17 10.1 | 1.587 | 2.516 | 11.9 | 21.3 |
| 6 30 | 15 41.90 | −17 9.9 | 1.677 | 2.532 | 15.4 | 21.6 |

**353954** 1999 $TH_{73}$ 5 25.6 290°.23 4°.8/27.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.43 | −34 48.3 | 2.264 | 3.076 | 12.9 | 21.1 |
| 5 1 | 16 31.20 | −35 18.8 | 2.174 | 3.067 | 10.4 | 20.9 |
| 5 11 | 16 23.76 | −35 37.8 | 2.106 | 3.058 | 7.7 | 20.7 |
| 5 21 | 16 14.75 | −35 42.8 | 2.064 | 3.048 | 5.4 | 20.5 |
| 5 31 | 16 5.14 | −35 32.7 | 2.048 | 3.039 | 4.9 | 20.5 |
| 6 10 | 15 56.00 | −35 9.3 | 2.059 | 3.030 | 6.8 | 20.6 |
| 6 20 | 15 48.27 | −34 36.0 | 2.096 | 3.021 | 9.6 | 20.7 |
| 6 30 | 15 42.70 | −33 57.7 | 2.156 | 3.012 | 12.4 | 20.9 |

**106841** 2000 $YB_{11}$ 5 25.6 255°.74 4°.9/23.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.11 | − 7 18.1 | 2.008 | 2.852 | 13.1 | 19.6 |
| 5 1 | 16 31.54 | − 7 6.0 | 1.921 | 2.839 | 10.2 | 19.3 |
| 5 11 | 16 23.90 | − 7 0.5 | 1.858 | 2.826 | 7.2 | 19.1 |
| 5 21 | 16 14.79 | − 7 4.3 | 1.820 | 2.812 | 5.1 | 19.0 |
| 5 31 | 16 5.11 | − 7 19.3 | 1.810 | 2.799 | 5.7 | 19.0 |
| 6 10 | 15 55.84 | − 7 46.5 | 1.827 | 2.785 | 8.6 | 19.1 |
| 6 20 | 15 47.85 | − 8 25.7 | 1.868 | 2.770 | 11.8 | 19.3 |
| 6 30 | 15 41.85 | − 9 15.9 | 1.932 | 2.756 | 14.8 | 19.5 |

**303764** 2005 $QS_{160}$ 5 25.6 194°.92 4°.9/22.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 32.17 | − 7 1.8 | 2.393 | 3.237 | 11.2 | 20.7 |
| 5 1 | 16 27.43 | − 6 17.9 | 2.320 | 3.237 | 8.8 | 20.6 |
| 5 11 | 16 21.14 | − 5 38.7 | 2.272 | 3.236 | 6.4 | 20.4 |
| 5 21 | 16 13.85 | − 5 7.1 | 2.250 | 3.235 | 4.9 | 20.3 |
| 5 31 | 16 6.26 | − 4 46.0 | 2.256 | 3.234 | 5.6 | 20.4 |
| 6 10 | 15 59.11 | − 4 37.4 | 2.288 | 3.233 | 7.8 | 20.5 |
| 6 20 | 15 53.02 | − 4 41.8 | 2.346 | 3.232 | 10.4 | 20.7 |
| 6 30 | 15 48.50 | − 4 58.9 | 2.425 | 3.231 | 12.7 | 20.8 |

**245443** 2005 $JP_{174}$ 5 25.6 213°.34 0°.1/25.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.39 | −21 15.0 | 2.222 | 3.066 | 12.0 | 21.5 |
| 5 1 | 16 30.10 | −21 10.4 | 2.139 | 3.063 | 9.0 | 21.3 |
| 5 11 | 16 22.92 | −21 1.8 | 2.080 | 3.060 | 5.5 | 21.1 |
| 5 21 | 16 14.45 | −20 49.6 | 2.047 | 3.056 | 1.8 | 20.8 |
| 5 31 | 16 5.55 | −20 35.0 | 2.043 | 3.052 | 2.1 | 20.8 |
| 6 10 | 15 57.12 | −20 20.2 | 2.066 | 3.048 | 5.9 | 21.1 |
| 6 20 | 15 49.96 | −20 7.4 | 2.116 | 3.044 | 9.4 | 21.3 |
| 6 30 | 15 44.68 | −19 59.0 | 2.189 | 3.040 | 12.4 | 21.5 |

**180078** 2003 $CG_{25}$ 5 25.6 335°.29 8°.8/20.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.55 | + 2 50.5 | 2.092 | 2.922 | 13.1 | 19.3 |
| 5 1 | 16 27.16 | + 3 55.0 | 2.028 | 2.918 | 11.1 | 19.2 |
| 5 11 | 16 21.06 | + 4 47.4 | 1.986 | 2.915 | 9.5 | 19.0 |
| 5 21 | 16 13.85 | + 5 22.8 | 1.968 | 2.911 | 8.8 | 19.0 |
| 5 31 | 16 6.29 | + 5 37.2 | 1.975 | 2.908 | 9.5 | 19.0 |
| 6 10 | 15 59.21 | + 5 29.3 | 2.005 | 2.905 | 11.2 | 19.1 |
| 6 20 | 15 53.31 | + 4 59.8 | 2.058 | 2.902 | 13.3 | 19.3 |
| 6 30 | 15 49.14 | + 4 11.3 | 2.130 | 2.899 | 15.4 | 19.4 |

**184026** 2004 $FO_{45}$ 5 25.6 320°.46 4°.0/24.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.53 | −13 22.0 | 1.421 | 2.293 | 15.9 | 19.6 |
| 5 1 | 16 30.36 | −12 56.2 | 1.344 | 2.281 | 12.1 | 19.4 |
| 5 11 | 16 23.50 | −12 32.0 | 1.288 | 2.270 | 7.9 | 19.1 |
| 5 21 | 16 14.72 | −12 12.5 | 1.255 | 2.259 | 4.3 | 18.8 |
| 5 31 | 16 5.21 | −12 1.4 | 1.246 | 2.248 | 5.3 | 18.9 |
| 6 10 | 15 56.31 | −12 1.5 | 1.262 | 2.239 | 9.5 | 19.1 |
| 6 20 | 15 49.18 | −12 14.6 | 1.301 | 2.229 | 13.9 | 19.3 |
| 6 30 | 15 44.69 | −12 40.8 | 1.359 | 2.221 | 17.9 | 19.5 |

**116503** 2004 $BN_{23}$ 5 25.6 177°.73 1°.4/24.9 18 R

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.66 | −17 59.5 | 2.174 | 3.024 | 12.0 | 20.3 |
| 5 1 | 16 29.51 | −17 43.2 | 2.097 | 3.024 | 9.0 | 20.1 |
| 5 11 | 16 22.52 | −17 24.6 | 2.043 | 3.025 | 5.5 | 19.9 |
| 5 21 | 16 14.32 | −17 5.3 | 2.016 | 3.025 | 2.1 | 19.7 |
| 5 31 | 16 5.74 | −16 46.9 | 2.018 | 3.025 | 2.7 | 19.7 |
| 6 10 | 15 57.66 | −16 31.9 | 2.047 | 3.025 | 6.3 | 19.9 |
| 6 20 | 15 50.85 | −16 22.2 | 2.101 | 3.025 | 9.7 | 20.1 |
| 6 30 | 15 45.89 | −16 19.4 | 2.179 | 3.024 | 12.6 | 20.3 |

**154661** 2004 $FL_{32}$ 5 25.6 142°.27 9°.4/23.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 46.06 | + 6 20.2 | 2.012 | 2.805 | 15.0 | 19.9 |
| 5 1 | 16 37.75 | + 6 46.3 | 1.958 | 2.823 | 12.6 | 19.8 |
| 5 11 | 16 27.41 | + 6 55.2 | 1.926 | 2.840 | 10.5 | 19.7 |
| 5 21 | 16 15.84 | + 6 43.0 | 1.920 | 2.856 | 9.4 | 19.6 |
| 5 31 | 16 4.05 | + 6 7.7 | 1.940 | 2.870 | 9.8 | 19.7 |
| 6 10 | 15 53.07 | + 5 10.5 | 1.988 | 2.884 | 11.5 | 19.8 |
| 6 20 | 15 43.72 | + 3 54.7 | 2.060 | 2.896 | 13.6 | 20.0 |
| 6 30 | 15 36.57 | + 2 24.8 | 2.154 | 2.906 | 15.7 | 20.1 |

**18711** 1998 $HL_{100}$ 5 25.6 87°.01 4°.7/23.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.94 | −12 4.7 | 1.793 | 2.652 | 13.8 | 18.4 |
| 5 1 | 16 29.81 | −10 50.2 | 1.735 | 2.664 | 10.4 | 18.2 |
| 5 11 | 16 22.69 | − 9 36.6 | 1.701 | 2.676 | 7.1 | 18.0 |
| 5 21 | 16 14.36 | − 8 28.8 | 1.692 | 2.688 | 4.8 | 17.9 |
| 5 31 | 16 5.77 | − 7 31.9 | 1.710 | 2.700 | 5.8 | 18.0 |
| 6 10 | 15 57.91 | − 6 49.8 | 1.755 | 2.712 | 8.9 | 18.2 |
| 6 20 | 15 51.58 | − 6 24.4 | 1.823 | 2.724 | 12.1 | 18.4 |
| 6 30 | 15 47.31 | − 6 15.9 | 1.912 | 2.736 | 15.0 | 18.6 |

**252988** 2002 $QL_{97}$ 5 25.6 203°.58 0°.4/25.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.14 | −22 40.0 | 1.939 | 2.782 | 13.5 | 21.6 |
| 5 1 | 16 33.20 | −22 35.7 | 1.855 | 2.778 | 10.2 | 21.4 |
| 5 11 | 16 24.96 | −22 25.5 | 1.794 | 2.774 | 6.3 | 21.2 |
| 5 21 | 16 15.15 | −22 9.5 | 1.760 | 2.768 | 2.1 | 20.9 |
| 5 31 | 16 4.77 | −21 49.0 | 1.753 | 2.763 | 2.3 | 20.9 |
| 6 10 | 15 54.97 | −21 26.6 | 1.774 | 2.757 | 6.6 | 21.1 |
| 6 20 | 15 46.70 | −21 5.6 | 1.821 | 2.750 | 10.6 | 21.4 |
| 6 30 | 15 40.69 | −20 49.4 | 1.890 | 2.742 | 14.0 | 21.6 |

**156506** 2002 $CW_{165}$ 5 25.6 336°.80 0°.4/25.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.86 | −20 26.1 | 1.648 | 2.508 | 14.7 | 19.6 |
| 5 1 | 16 31.04 | −20 26.0 | 1.572 | 2.504 | 11.0 | 19.4 |
| 5 11 | 16 23.77 | −20 22.1 | 1.518 | 2.501 | 6.8 | 19.1 |
| 5 21 | 16 14.78 | −20 14.7 | 1.489 | 2.498 | 2.2 | 18.8 |
| 5 31 | 16 5.20 | −20 5.3 | 1.486 | 2.496 | 2.7 | 18.8 |
| 6 10 | 15 56.25 | −19 56.4 | 1.509 | 2.493 | 7.3 | 19.1 |
| 6 20 | 15 48.98 | −19 50.7 | 1.556 | 2.491 | 11.6 | 19.4 |
| 6 30 | 15 44.15 | −19 50.7 | 1.624 | 2.490 | 15.2 | 19.6 |

**510406** 2011 $UD_{160}$ 5 25.6 248°.47 1°.1/26.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.85 | −27 19.4 | 2.497 | 3.327 | 11.3 | 21.5 |
| 5 1 | 16 29.59 | −26 47.9 | 2.399 | 3.314 | 8.6 | 21.3 |
| 5 11 | 16 22.55 | −26 6.9 | 2.326 | 3.301 | 5.5 | 21.1 |
| 5 21 | 16 14.35 | −25 17.0 | 2.280 | 3.287 | 2.2 | 20.8 |
| 5 31 | 16 5.74 | −24 20.1 | 2.263 | 3.273 | 2.0 | 20.8 |
| 6 10 | 15 57.59 | −23 19.7 | 2.275 | 3.258 | 5.4 | 21.0 |
| 6 20 | 15 50.62 | −22 19.9 | 2.315 | 3.244 | 8.6 | 21.2 |
| 6 30 | 15 45.40 | −21 24.6 | 2.379 | 3.229 | 11.6 | 21.3 |

**206498** 2003 $UT_{100}$ 5 25.6 231°.50 0°.5/25.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.17 | −19 48.9 | 2.055 | 2.903 | 12.7 | 20.1 |
| 5 1 | 16 30.84 | −19 49.5 | 1.972 | 2.899 | 9.5 | 19.9 |
| 5 11 | 16 23.46 | −19 47.3 | 1.913 | 2.894 | 5.8 | 19.7 |
| 5 21 | 16 14.66 | −19 42.5 | 1.880 | 2.890 | 1.9 | 19.4 |
| 5 31 | 16 5.36 | −19 36.5 | 1.876 | 2.885 | 2.4 | 19.4 |
| 6 10 | 15 56.56 | −19 30.9 | 1.898 | 2.880 | 6.3 | 19.7 |
| 6 20 | 15 49.10 | −19 28.0 | 1.946 | 2.875 | 10.0 | 19.9 |
| 6 30 | 15 43.68 | −19 29.7 | 2.018 | 2.870 | 13.2 | 20.1 |

**327241** 2005 $SQ_{21}$ 5 25.6 283°.51 0°.7/25.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.60 | −22 3.3 | 1.687 | 2.543 | 14.6 | 20.4 |
| 5 1 | 16 31.80 | −21 26.6 | 1.586 | 2.517 | 11.1 | 20.1 |
| 5 11 | 16 24.39 | −20 40.6 | 1.508 | 2.490 | 6.9 | 19.8 |
| 5 21 | 16 15.05 | −19 46.7 | 1.454 | 2.463 | 2.2 | 19.4 |
| 5 31 | 16 4.85 | −18 48.2 | 1.427 | 2.436 | 3.0 | 19.4 |
| 6 10 | 15 55.09 | −17 50.3 | 1.426 | 2.408 | 7.9 | 19.6 |
| 6 20 | 15 46.92 | −16 58.4 | 1.449 | 2.381 | 12.6 | 19.8 |
| 6 30 | 15 41.24 | −16 17.2 | 1.494 | 2.353 | 16.7 | 20.0 |

**237950** 2002 $RO_{45}$ 5 25.6 279°.30 1°.3/25.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.98 | −18 4.6 | 1.976 | 2.829 | 12.9 | 20.4 |
| 5 1 | 16 30.06 | −17 55.0 | 1.889 | 2.819 | 9.7 | 20.2 |
| 5 11 | 16 23.03 | −17 43.4 | 1.826 | 2.808 | 6.0 | 19.9 |
| 5 21 | 16 14.55 | −17 30.9 | 1.788 | 2.797 | 2.2 | 19.6 |
| 5 31 | 16 5.51 | −17 19.0 | 1.778 | 2.786 | 2.8 | 19.7 |
| 6 10 | 15 56.92 | −17 10.0 | 1.795 | 2.775 | 6.8 | 19.9 |
| 6 20 | 15 49.69 | −17 6.2 | 1.837 | 2.765 | 10.6 | 20.1 |
| 6 30 | 15 44.50 | −17 9.1 | 1.902 | 2.754 | 13.9 | 20.3 |

**402978** 2007 $UT_{138}$ 5 25.6 216°.81 2°.0/24.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.02 | −18 32.3 | 1.741 | 2.596 | 14.3 | 21.5 |
| 5 1 | 16 32.50 | −17 51.1 | 1.660 | 2.590 | 10.7 | 21.2 |
| 5 11 | 16 24.58 | −17 5.0 | 1.601 | 2.583 | 6.7 | 21.0 |
| 5 21 | 16 15.05 | −16 16.3 | 1.568 | 2.576 | 2.6 | 20.7 |
| 5 31 | 16 4.96 | −15 28.7 | 1.563 | 2.569 | 3.6 | 20.8 |
| 6 10 | 15 55.50 | −14 46.8 | 1.584 | 2.561 | 7.9 | 21.0 |
| 6 20 | 15 47.66 | −14 14.2 | 1.630 | 2.552 | 12.0 | 21.2 |
| 6 30 | 15 42.18 | −13 53.7 | 1.697 | 2.543 | 15.6 | 21.4 |

**328208** 2008 $EZ_{79}$ 5 25.6 86°.16 0°.7/25.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.81 | −20 3.5 | 1.582 | 2.440 | 15.3 | 21.5 |
| 5 1 | 16 33.08 | −19 55.0 | 1.523 | 2.454 | 11.4 | 21.3 |
| 5 11 | 16 24.88 | −19 42.4 | 1.486 | 2.469 | 7.0 | 21.0 |
| 5 21 | 16 15.11 | −19 26.6 | 1.474 | 2.483 | 2.2 | 20.8 |
| 5 31 | 16 4.95 | −19 9.7 | 1.488 | 2.497 | 2.8 | 20.8 |
| 6 10 | 15 55.68 | −18 54.5 | 1.528 | 2.511 | 7.4 | 21.2 |
| 6 20 | 15 48.27 | −18 44.1 | 1.593 | 2.525 | 11.6 | 21.4 |
| 6 30 | 15 43.40 | −18 40.7 | 1.679 | 2.539 | 15.1 | 21.7 |

**300214** 2006 $WH_{174}$ 5 25.6 147°.70 0°.6/25.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.97 | −19 46.5 | 2.664 | 3.505 | 10.3 | 21.8 |
| 5 1 | 16 28.68 | −19 35.2 | 2.589 | 3.512 | 7.7 | 21.6 |
| 5 11 | 16 21.88 | −19 21.0 | 2.538 | 3.518 | 4.7 | 21.5 |
| 5 21 | 16 14.12 | −19 4.9 | 2.515 | 3.524 | 1.5 | 21.2 |
| 5 31 | 16 6.08 | −18 48.1 | 2.521 | 3.530 | 2.0 | 21.3 |
| 6 10 | 15 58.49 | −18 32.6 | 2.556 | 3.535 | 5.1 | 21.5 |
| 6 20 | 15 51.96 | −18 20.1 | 2.618 | 3.540 | 8.0 | 21.7 |
| 6 30 | 15 46.96 | −18 12.2 | 2.704 | 3.545 | 10.6 | 21.9 |

**247967** 2003 $YD_{149}$ 5 25.6 266°.76 6°.0/31.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.71 | −53 25.9 | 4.535 | 5.212 | 8.8 | 20.0 |
| 5 1 | 16 29.19 | −53 53.0 | 4.448 | 5.211 | 7.8 | 19.9 |
| 5 11 | 16 22.19 | −54 7.8 | 4.383 | 5.210 | 7.0 | 19.8 |
| 5 21 | 16 14.23 | −54 8.6 | 4.341 | 5.209 | 6.3 | 19.8 |
| 5 31 | 16 5.95 | −53 54.7 | 4.323 | 5.207 | 6.0 | 19.7 |
| 6 10 | 15 58.07 | −53 26.8 | 4.330 | 5.206 | 6.2 | 19.7 |
| 6 20 | 15 51.19 | −52 47.0 | 4.363 | 5.205 | 6.8 | 19.8 |
| 6 30 | 15 45.81 | −51 58.3 | 4.419 | 5.204 | 7.7 | 19.9 |

**365807** 2011 $HS_{51}$ 5 25.6 319°.61 0°.4/25.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.06 | −19 20.7 | 1.544 | 2.405 | 15.5 | 20.0 |
| 5 1 | 16 33.16 | −20 6.9 | 1.456 | 2.389 | 11.8 | 19.7 |
| 5 11 | 16 25.39 | −20 54.4 | 1.390 | 2.373 | 7.4 | 19.4 |
| 5 21 | 16 15.43 | −21 41.6 | 1.348 | 2.357 | 2.5 | 19.1 |
| 5 31 | 16 4.45 | −22 26.5 | 1.332 | 2.342 | 2.8 | 19.1 |
| 6 10 | 15 53.87 | −23 8.5 | 1.342 | 2.328 | 7.9 | 19.3 |
| 6 20 | 15 45.00 | −23 48.2 | 1.376 | 2.314 | 12.6 | 19.6 |
| 6 30 | 15 38.88 | −24 27.3 | 1.431 | 2.301 | 16.7 | 19.8 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **198066** 2004 $RB_{326}$ | | | 5 25.6 255°.98 | | 6°.2/27.9 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 40.83 | −37 30.1 | 2.074 | 2.875 | 14.3 | 20.5 |
| 5 1 | 16 34.92 | −38 11.4 | 1.978 | 2.860 | 11.8 | 20.3 |
| 5 11 | 16 26.30 | −38 39.0 | 1.903 | 2.844 | 9.1 | 20.1 |
| 5 21 | 16 15.68 | −38 48.8 | 1.853 | 2.828 | 6.8 | 19.9 |
| 5 31 | 16 4.19 | −38 38.6 | 1.829 | 2.811 | 6.3 | 19.8 |
| 6 10 | 15 53.18 | −38 9.7 | 1.831 | 2.794 | 8.1 | 19.9 |
| 6 20 | 15 43.84 | −37 26.6 | 1.858 | 2.777 | 11.0 | 20.0 |
| 6 30 | 15 37.10 | −36 35.5 | 1.908 | 2.759 | 13.9 | 20.2 |
| **430578** 2002 $QL_{84}$ | | | 5 25.6 332°.71 | | 5°.5/23.2 16 | |
| 4 21 | 16 30.97 | −11 11.4 | 1.484 | 2.358 | 15.2 | 20.8 |
| 5 1 | 16 27.56 | −10 14.8 | 1.406 | 2.343 | 11.7 | 20.5 |
| 5 11 | 16 21.73 | − 9 19.5 | 1.349 | 2.328 | 8.1 | 20.3 |
| 5 21 | 16 14.19 | − 8 30.7 | 1.316 | 2.314 | 5.6 | 20.1 |
| 5 31 | 16 6.00 | − 7 53.8 | 1.307 | 2.300 | 6.7 | 20.1 |
| 6 10 | 15 58.37 | − 7 33.2 | 1.322 | 2.288 | 10.3 | 20.3 |
| 6 20 | 15 52.34 | − 7 30.9 | 1.358 | 2.276 | 14.2 | 20.5 |
| 6 30 | 15 48.70 | − 7 47.1 | 1.414 | 2.266 | 17.8 | 20.7 |
| **503582** 2016 $GY_{51}$ | | | 5 25.6 249°.38 | | 0°.1/25.6 17 | |
| 4 21 | 16 38.70 | −22 31.4 | 1.697 | 2.549 | 14.7 | 21.8 |
| 5 1 | 16 33.28 | −22 12.4 | 1.607 | 2.534 | 11.2 | 21.5 |
| 5 11 | 16 25.25 | −21 45.7 | 1.538 | 2.519 | 7.0 | 21.3 |
| 5 21 | 16 15.33 | −21 12.1 | 1.495 | 2.504 | 2.3 | 20.9 |
| 5 31 | 16 4.66 | −20 33.6 | 1.478 | 2.488 | 2.7 | 20.9 |
| 6 10 | 15 54.54 | −19 54.3 | 1.488 | 2.472 | 7.5 | 21.2 |
| 6 20 | 15 46.10 | −19 18.7 | 1.523 | 2.455 | 12.0 | 21.4 |
| 6 30 | 15 40.20 | −18 50.9 | 1.579 | 2.438 | 16.0 | 21.6 |
| **37085** 2000 $UO_{63}$ | | | 5 25.6 38°.54 | | 3°.5/26.7 18 | |
| 4 21 | 16 38.48 | −27 41.0 | 1.146 | 2.015 | 19.2 | 17.3 |
| 5 1 | 16 33.83 | −28 7.5 | 1.095 | 2.028 | 14.7 | 17.1 |
| 5 11 | 16 25.78 | −28 21.3 | 1.063 | 2.042 | 9.7 | 16.8 |
| 5 21 | 16 15.48 | −28 20.2 | 1.052 | 2.057 | 4.8 | 16.6 |
| 5 31 | 16 4.61 | −28 4.4 | 1.064 | 2.072 | 4.3 | 16.6 |
| 6 10 | 15 54.97 | −27 38.4 | 1.100 | 2.088 | 8.8 | 16.9 |
| 6 20 | 15 47.90 | −27 8.4 | 1.157 | 2.105 | 13.5 | 17.2 |
| 6 30 | 15 44.21 | −26 40.7 | 1.234 | 2.122 | 17.6 | 17.5 |
| **523059** 2016 $QE_{91}$ | | | 5 25.6 294°.55 | | 5°.4/23.3 18 | |
| 4 21 | 16 33.39 | − 6 33.0 | 2.079 | 2.927 | 12.5 | 21.1 |
| 5 1 | 16 28.71 | − 6 3.2 | 1.994 | 2.912 | 9.9 | 20.9 |
| 5 11 | 16 22.15 | − 5 39.5 | 1.932 | 2.897 | 7.2 | 20.7 |
| 5 21 | 16 14.28 | − 5 24.9 | 1.895 | 2.883 | 5.5 | 20.5 |
| 5 31 | 16 5.91 | − 5 22.4 | 1.885 | 2.868 | 6.2 | 20.5 |
| 6 10 | 15 57.93 | − 5 33.7 | 1.902 | 2.853 | 8.7 | 20.7 |
| 6 20 | 15 51.13 | − 5 59.0 | 1.942 | 2.839 | 11.7 | 20.8 |
| 6 30 | 15 46.15 | − 6 37.5 | 2.004 | 2.824 | 14.5 | 21.0 |
| **220263** 2003 $AZ_{11}$ | | | 5 25.6 76°.46 | | 0°.5/25.9 17 | |
| 4 21 | 16 37.09 | −25 18.0 | 1.621 | 2.474 | 15.2 | 19.9 |
| 5 1 | 16 31.83 | −24 39.8 | 1.555 | 2.483 | 11.5 | 19.6 |
| 5 11 | 16 24.13 | −23 50.7 | 1.512 | 2.493 | 7.1 | 19.4 |
| 5 21 | 16 14.89 | −22 52.5 | 1.494 | 2.503 | 2.4 | 19.1 |
| 5 31 | 16 5.30 | −21 49.0 | 1.502 | 2.512 | 2.5 | 19.2 |
| 6 10 | 15 56.59 | −20 45.7 | 1.537 | 2.522 | 7.1 | 19.5 |
| 6 20 | 15 49.73 | −19 48.2 | 1.596 | 2.532 | 11.3 | 19.7 |
| 6 30 | 15 45.37 | −19 0.7 | 1.677 | 2.541 | 14.9 | 20.0 |
| **85995** 1999 $JT_{56}$ | | | 5 25.6 79°.84 | | 0°.6/25.8 18 | |
| 4 21 | 16 37.54 | −21 44.8 | 2.113 | 2.956 | 12.6 | 19.3 |
| 5 1 | 16 31.74 | −22 10.3 | 2.045 | 2.968 | 9.4 | 19.1 |
| 5 11 | 16 23.94 | −22 32.5 | 2.001 | 2.980 | 5.8 | 18.9 |
| 5 21 | 16 14.83 | −22 50.6 | 1.983 | 2.992 | 2.0 | 18.7 |
| 5 31 | 16 5.32 | −23 4.5 | 1.994 | 3.004 | 2.1 | 18.7 |
| 6 10 | 15 56.39 | −23 15.4 | 2.032 | 3.015 | 5.9 | 19.0 |
| 6 20 | 15 48.87 | −23 24.8 | 2.097 | 3.027 | 9.3 | 19.2 |
| 6 30 | 15 43.37 | −23 34.9 | 2.186 | 3.039 | 12.3 | 19.4 |
| **523174** 2016 $TL_{99}$ | | | 5 25.6 344°.64 | | 4°.8/27.8 16 | |
| 4 21 | 16 33.67 | −33 46.8 | 1.717 | 2.553 | 15.3 | 20.2 |
| 5 1 | 16 29.67 | −34 0.3 | 1.635 | 2.544 | 12.2 | 19.9 |
| 5 11 | 16 23.05 | −33 58.9 | 1.574 | 2.536 | 8.8 | 19.7 |
| 5 21 | 16 14.63 | −33 40.4 | 1.536 | 2.529 | 5.7 | 19.5 |
| 5 31 | 16 5.55 | −33 4.7 | 1.523 | 2.523 | 5.0 | 19.4 |
| 6 10 | 15 57.15 | −32 15.4 | 1.536 | 2.517 | 7.6 | 19.6 |
| 6 20 | 15 50.53 | −31 18.0 | 1.572 | 2.512 | 11.2 | 19.8 |
| 6 30 | 15 46.48 | −30 19.3 | 1.630 | 2.508 | 14.6 | 20.0 |
| **479782** 2014 $EV_{39}$ | | | 5 25.6 157°.86 | | 3°.9/23.9 17 | |
| 4 21 | 16 33.78 | − 9 52.8 | 2.239 | 3.087 | 11.8 | 21.1 |
| 5 1 | 16 28.77 | − 9 31.3 | 2.166 | 3.088 | 9.0 | 20.9 |
| 5 11 | 16 22.06 | − 9 13.4 | 2.116 | 3.089 | 6.1 | 20.8 |
| 5 21 | 16 14.23 | − 9 1.6 | 2.093 | 3.089 | 4.0 | 20.6 |
| 5 31 | 16 6.05 | − 8 57.8 | 2.097 | 3.090 | 4.7 | 20.7 |
| 6 10 | 15 58.34 | − 9 3.6 | 2.129 | 3.090 | 7.3 | 20.8 |
| 6 20 | 15 51.80 | − 9 19.4 | 2.186 | 3.091 | 10.2 | 21.0 |
| 6 30 | 15 46.97 | − 9 45.0 | 2.265 | 3.091 | 12.9 | 21.2 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **207750** 2007 $RS_{288}$ | | | 5 25.6 268°.43 | | 5°.7/23.4 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.48 | − 4 51.3 | 2.151 | 2.991 | 12.5 | 20.1 |
| 5 1 | 16 30.23 | − 4 29.9 | 2.063 | 2.975 | 9.9 | 19.9 |
| 5 11 | 16 23.08 | − 4 16.1 | 1.999 | 2.959 | 7.4 | 19.7 |
| 5 21 | 16 14.60 | − 4 12.7 | 1.960 | 2.943 | 5.7 | 19.6 |
| 5 31 | 16 5.60 | − 4 22.3 | 1.948 | 2.927 | 6.4 | 19.6 |
| 6 10 | 15 56.97 | − 4 46.1 | 1.964 | 2.911 | 8.8 | 19.7 |
| 6 20 | 15 49.50 | − 5 23.8 | 2.004 | 2.894 | 11.7 | 19.8 |
| 6 30 | 15 43.84 | − 6 14.1 | 2.066 | 2.877 | 14.4 | 20.0 |
| **160258** 2002 $QB_{25}$ | | | 5 25.6 276°.35 | | 2°.2/24.4 18 | |
| 4 21 | 16 39.79 | −25 54.8 | 1.080 | 1.953 | 19.8 | 18.8 |
| 5 1 | 16 35.16 | −23 45.9 | 0.999 | 1.939 | 15.0 | 18.5 |
| 5 11 | 16 26.84 | −21 7.3 | 0.938 | 1.924 | 9.3 | 18.1 |
| 5 21 | 16 15.92 | −18 5.5 | 0.900 | 1.909 | 3.2 | 17.7 |
| 5 31 | 16 4.12 | −14 54.3 | 0.888 | 1.895 | 5.2 | 17.8 |
| 6 10 | 15 53.40 | −11 52.6 | 0.900 | 1.880 | 11.7 | 18.1 |
| 6 20 | 15 45.29 | − 9 17.0 | 0.934 | 1.865 | 17.8 | 18.3 |
| 6 30 | 15 40.77 | − 7 17.0 | 0.986 | 1.850 | 22.9 | 18.6 |
| **72412** 2001 $CA_{29}$ | | | 5 25.6 69°.95 | | 5°.0/27.6 17 | |
| 4 21 | 16 39.82 | −33 20.7 | 1.807 | 2.632 | 15.1 | 19.2 |
| 5 1 | 16 34.01 | −33 59.0 | 1.742 | 2.645 | 12.0 | 19.0 |
| 5 11 | 16 25.58 | −34 24.1 | 1.699 | 2.657 | 8.6 | 18.9 |
| 5 21 | 16 15.42 | −34 33.2 | 1.680 | 2.670 | 5.7 | 18.7 |
| 5 31 | 16 4.75 | −34 25.3 | 1.688 | 2.683 | 5.2 | 18.7 |
| 6 10 | 15 54.89 | −34 2.9 | 1.721 | 2.696 | 7.6 | 18.9 |
| 6 20 | 15 46.92 | −33 30.8 | 1.779 | 2.708 | 10.7 | 19.1 |
| 6 30 | 15 41.58 | −32 54.8 | 1.859 | 2.721 | 13.8 | 19.3 |
| **296008** 2008 $YE_{118}$ | | | 5 25.6 10°.23 | | 3°.5/26.7 17 | |
| 4 21 | 16 33.54 | −27 58.3 | 1.005 | 1.888 | 20.1 | 19.5 |
| 5 1 | 16 30.63 | −28 14.6 | 0.949 | 1.889 | 15.5 | 19.2 |
| 5 11 | 16 24.09 | −28 16.2 | 0.910 | 1.892 | 10.3 | 18.9 |
| 5 21 | 16 15.04 | −28 1.1 | 0.891 | 1.897 | 5.0 | 18.7 |
| 5 31 | 16 5.20 | −27 30.6 | 0.894 | 1.902 | 4.4 | 18.6 |
| 6 10 | 15 56.52 | −26 50.2 | 0.918 | 1.910 | 9.4 | 18.9 |
| 6 20 | 15 50.50 | −26 7.4 | 0.962 | 1.918 | 14.6 | 19.2 |
| 6 30 | 15 48.03 | −25 29.5 | 1.024 | 1.928 | 19.1 | 19.5 |
| **474725** 2005 $MP_{21}$ | | | 5 25.6 276°.10 | | 6°.1/22.7 18 | |
| 4 21 | 16 33.36 | − 3 49.5 | 2.239 | 3.079 | 12.1 | 21.3 |
| 5 1 | 16 28.55 | − 3 12.4 | 2.155 | 3.064 | 9.7 | 21.1 |
| 5 11 | 16 22.00 | − 2 42.5 | 2.094 | 3.050 | 7.4 | 21.0 |
| 5 21 | 16 14.26 | − 2 23.2 | 2.058 | 3.035 | 6.1 | 20.9 |
| 5 31 | 16 6.06 | − 2 17.6 | 2.050 | 3.020 | 6.8 | 20.9 |
| 6 10 | 15 58.24 | − 2 27.3 | 2.067 | 3.005 | 9.0 | 21.0 |
| 6 20 | 15 51.51 | − 2 52.4 | 2.109 | 2.990 | 11.6 | 21.1 |
| 6 30 | 15 46.47 | − 3 31.7 | 2.173 | 2.975 | 14.1 | 21.3 |
| **36890** 2000 $SO_{167}$ | | | 5 25.6 159°.43 | | 3°.3/23.7 18 | |
| 4 21 | 16 35.42 | −15 39.0 | 1.955 | 2.809 | 13.0 | 18.9 |
| 5 1 | 16 30.17 | −14 31.0 | 1.884 | 2.812 | 9.7 | 18.7 |
| 5 11 | 16 22.98 | −13 20.1 | 1.836 | 2.815 | 6.2 | 18.4 |
| 5 21 | 16 14.55 | −12 10.3 | 1.815 | 2.818 | 3.5 | 18.3 |
| 5 31 | 16 5.79 | −11 6.1 | 1.822 | 2.820 | 4.5 | 18.3 |
| 6 10 | 15 57.66 | −10 12.1 | 1.856 | 2.822 | 7.8 | 18.6 |
| 6 20 | 15 50.95 | − 9 31.4 | 1.915 | 2.824 | 11.2 | 18.8 |
| 6 30 | 15 46.23 | − 9 5.6 | 1.996 | 2.825 | 14.2 | 19.0 |
| **123544** 2000 $XK_{22}$ | | | 5 25.6 248°.80 | | 3°.5/26.5 18 | |
| 4 21 | 16 40.98 | −28 15.6 | 1.952 | 2.783 | 13.9 | 19.3 |
| 5 1 | 16 34.93 | −29 7.8 | 1.864 | 2.774 | 10.9 | 19.0 |
| 5 11 | 16 26.28 | −29 53.5 | 1.798 | 2.766 | 7.4 | 18.8 |
| 5 21 | 16 15.72 | −30 29.4 | 1.758 | 2.757 | 4.2 | 18.6 |
| 5 31 | 16 4.32 | −30 53.3 | 1.746 | 2.748 | 4.0 | 18.6 |
| 6 10 | 15 53.34 | −31 5.4 | 1.761 | 2.739 | 7.1 | 18.7 |
| 6 20 | 15 43.94 | −31 8.4 | 1.801 | 2.729 | 10.7 | 18.9 |
| 6 30 | 15 37.00 | −31 6.4 | 1.865 | 2.720 | 14.0 | 19.1 |
| **503653** 2016 $GV_{205}$ | | | 5 25.6 32°.57 | | 3°.9/26.8 17 | |
| 4 21 | 16 38.15 | −28 29.5 | 1.216 | 2.079 | 18.6 | 20.5 |
| 5 1 | 16 33.57 | −29 0.5 | 1.159 | 2.088 | 14.4 | 20.2 |
| 5 11 | 16 25.67 | −29 18.7 | 1.121 | 2.098 | 9.6 | 20.0 |
| 5 21 | 16 15.51 | −29 21.6 | 1.105 | 2.108 | 5.1 | 19.8 |
| 5 31 | 16 4.69 | −29 8.9 | 1.113 | 2.119 | 4.6 | 19.8 |
| 6 10 | 15 54.98 | −28 44.4 | 1.144 | 2.131 | 8.7 | 20.0 |
| 6 20 | 15 47.72 | −28 14.1 | 1.197 | 2.143 | 13.3 | 20.3 |
| 6 30 | 15 43.78 | −27 44.7 | 1.270 | 2.156 | 17.3 | 20.6 |
| **250451** 2003 $YJ_{128}$ | | | 5 25.6 170°.45 | | 1°.4/26.2 17 | |
| 4 21 | 16 40.80 | −24 48.3 | 1.953 | 2.790 | 13.7 | 21.5 |
| 5 1 | 16 34.45 | −25 0.5 | 1.875 | 2.793 | 10.4 | 21.3 |
| 5 11 | 16 25.76 | −25 6.1 | 1.820 | 2.797 | 6.6 | 21.0 |
| 5 21 | 16 15.49 | −25 4.0 | 1.792 | 2.799 | 2.6 | 20.8 |
| 5 31 | 16 4.69 | −24 54.6 | 1.792 | 2.801 | 2.5 | 20.8 |
| 6 10 | 15 54.52 | −24 40.2 | 1.820 | 2.802 | 6.5 | 21.0 |
| 6 20 | 15 45.97 | −24 23.8 | 1.873 | 2.803 | 10.3 | 21.3 |
| 6 30 | 15 39.74 | −24 9.3 | 1.950 | 2.803 | 13.6 | 21.5 |

**113541** 2002 $TU_{25}$ 5 25.6 212°.85 0°.2/25.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.81 | −22 0.7 | 2.569 | 3.405 | 10.8 | 20.6 |
| 5 1 | 16 30.25 | −21 57.2 | 2.479 | 3.398 | 8.1 | 20.4 |
| 5 11 | 16 22.99 | −21 49.6 | 2.413 | 3.391 | 5.0 | 20.2 |
| 5 21 | 16 14.57 | −21 38.0 | 2.375 | 3.383 | 1.6 | 19.9 |
| 5 31 | 16 5.74 | −21 23.6 | 2.365 | 3.375 | 1.9 | 19.9 |
| 6 10 | 15 57.29 | −21 8.1 | 2.385 | 3.366 | 5.3 | 20.2 |
| 6 20 | 15 49.94 | −20 53.6 | 2.432 | 3.357 | 8.4 | 20.3 |
| 6 30 | 15 44.26 | −20 42.4 | 2.503 | 3.348 | 11.2 | 20.5 |

**402966** 2007 $UE_{9}$ 5 25.6 209°.41 0°.7/25.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.42 | −18 10.0 | 4.087 | 4.922 | 7.2 | 22.5 |
| 5 1 | 16 24.92 | −17 58.5 | 3.995 | 4.915 | 5.3 | 22.4 |
| 5 11 | 16 19.47 | −17 45.6 | 3.930 | 4.909 | 3.3 | 22.2 |
| 5 21 | 16 13.40 | −17 32.1 | 3.893 | 4.901 | 1.2 | 22.1 |
| 5 31 | 16 7.12 | −17 19.0 | 3.887 | 4.894 | 1.6 | 22.1 |
| 6 10 | 16 1.06 | −17 7.2 | 3.910 | 4.886 | 3.7 | 22.3 |
| 6 20 | 15 55.61 | −16 57.9 | 3.962 | 4.878 | 5.7 | 22.4 |
| 6 30 | 15 51.12 | −16 52.0 | 4.039 | 4.869 | 7.6 | 22.5 |

**51883** 2001 $QO_{8}$ 5 25.6 115°.07 2°.1/24.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.13 | −16 57.1 | 1.860 | 2.711 | 13.7 | 18.7 |
| 5 1 | 16 32.23 | −16 30.6 | 1.798 | 2.726 | 10.2 | 18.5 |
| 5 11 | 16 24.25 | −16 2.3 | 1.759 | 2.740 | 6.3 | 18.3 |
| 5 21 | 16 14.96 | −15 34.3 | 1.747 | 2.754 | 2.6 | 18.1 |
| 5 31 | 16 5.38 | −15 9.1 | 1.763 | 2.768 | 3.4 | 18.2 |
| 6 10 | 15 56.54 | −14 49.7 | 1.805 | 2.781 | 7.1 | 18.4 |
| 6 20 | 15 49.28 | −14 38.1 | 1.873 | 2.794 | 10.8 | 18.7 |
| 6 30 | 15 44.18 | −14 35.7 | 1.963 | 2.806 | 13.9 | 18.9 |

**388053** 2005 $SN_{288}$ 5 25.6 342°.66 8°.7/20.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.81 | + 0 49.1 | 2.003 | 2.843 | 13.3 | 20.2 |
| 5 1 | 16 26.73 | + 2 9.9 | 1.939 | 2.838 | 11.1 | 20.1 |
| 5 11 | 16 20.89 | + 3 20.2 | 1.897 | 2.834 | 9.4 | 20.0 |
| 5 21 | 16 13.91 | + 4 14.6 | 1.880 | 2.830 | 8.7 | 19.9 |
| 5 31 | 16 6.56 | + 4 48.2 | 1.888 | 2.827 | 9.5 | 20.0 |
| 6 10 | 15 59.71 | + 4 58.8 | 1.919 | 2.823 | 11.4 | 20.1 |
| 6 20 | 15 54.07 | + 4 46.7 | 1.972 | 2.821 | 13.6 | 20.2 |
| 6 30 | 15 50.21 | + 4 13.9 | 2.044 | 2.818 | 15.8 | 20.4 |

**19922** 1978 $VV_{4}$ 5 25.6 243°.33 1°.3/26.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.12 | −24 55.6 | 1.986 | 2.828 | 13.3 | 19.4 |
| 5 1 | 16 31.77 | −24 58.4 | 1.899 | 2.820 | 10.1 | 19.2 |
| 5 11 | 16 24.17 | −24 54.1 | 1.835 | 2.812 | 6.4 | 19.0 |
| 5 21 | 16 15.01 | −24 42.4 | 1.796 | 2.803 | 2.5 | 18.7 |
| 5 31 | 16 5.26 | −24 24.0 | 1.785 | 2.795 | 2.4 | 18.7 |
| 6 10 | 15 56.02 | −24 1.3 | 1.802 | 2.786 | 6.4 | 18.9 |
| 6 20 | 15 48.25 | −23 37.8 | 1.844 | 2.777 | 10.2 | 19.1 |
| 6 30 | 15 42.67 | −23 17.0 | 1.909 | 2.767 | 13.6 | 19.3 |

**299823** 2006 $SF_{161}$ 5 25.6 297°.15 3°.0/26.7 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.35 | −28 40.5 | 2.149 | 2.980 | 12.8 | 21.4 |
| 5 1 | 16 31.87 | −29 14.6 | 2.067 | 2.978 | 10.0 | 21.2 |
| 5 11 | 16 24.20 | −29 41.0 | 2.008 | 2.976 | 6.7 | 21.0 |
| 5 21 | 16 15.02 | −29 57.9 | 1.975 | 2.975 | 3.8 | 20.8 |
| 5 31 | 16 5.27 | −30 4.3 | 1.970 | 2.973 | 3.5 | 20.8 |
| 6 10 | 15 56.00 | −30 1.6 | 1.992 | 2.972 | 6.3 | 20.9 |
| 6 20 | 15 48.15 | −29 52.5 | 2.040 | 2.970 | 9.5 | 21.1 |
| 6 30 | 15 42.42 | −29 40.6 | 2.111 | 2.969 | 12.5 | 21.3 |

**204124** 2003 $XY_{10}$ 5 25.6 221°.67 4°.0/23.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.45 | −10 45.0 | 2.368 | 3.213 | 11.3 | 20.5 |
| 5 1 | 16 29.26 | − 9 56.7 | 2.284 | 3.204 | 8.7 | 20.3 |
| 5 11 | 16 22.38 | − 9 9.8 | 2.224 | 3.195 | 5.9 | 20.1 |
| 5 21 | 16 14.39 | − 8 27.2 | 2.191 | 3.185 | 4.1 | 20.0 |
| 5 31 | 16 6.02 | − 7 52.1 | 2.186 | 3.175 | 4.9 | 20.0 |
| 6 10 | 15 58.05 | − 7 27.4 | 2.209 | 3.164 | 7.5 | 20.2 |
| 6 20 | 15 51.18 | − 7 14.4 | 2.258 | 3.153 | 10.3 | 20.3 |
| 6 30 | 15 45.96 | − 7 14.0 | 2.329 | 3.142 | 13.0 | 20.5 |

**367926** 2012 $BQ_{151}$ 5 25.6 252°.12 3°.5/24.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.44 | −13 27.8 | 1.659 | 2.516 | 14.8 | 20.8 |
| 5 1 | 16 33.05 | −13 7.3 | 1.573 | 2.503 | 11.3 | 20.6 |
| 5 11 | 16 25.12 | −12 48.0 | 1.509 | 2.489 | 7.3 | 20.3 |
| 5 21 | 16 15.36 | −12 32.4 | 1.471 | 2.475 | 3.9 | 20.1 |
| 5 31 | 16 4.86 | −12 23.3 | 1.458 | 2.460 | 4.7 | 20.1 |
| 6 10 | 15 54.85 | −12 23.2 | 1.472 | 2.445 | 8.7 | 20.3 |
| 6 20 | 15 46.45 | −12 33.8 | 1.509 | 2.430 | 12.9 | 20.5 |
| 6 30 | 15 40.49 | −12 55.8 | 1.568 | 2.414 | 16.7 | 20.7 |

**371932** 2008 $ES_{70}$ 5 25.6 354°.64 5°.2/23.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.89 | −13 25.3 | 1.305 | 2.184 | 16.6 | 20.1 |
| 5 1 | 16 29.17 | −12 13.7 | 1.241 | 2.181 | 12.6 | 19.8 |
| 5 11 | 16 22.77 | −11 0.9 | 1.197 | 2.179 | 8.4 | 19.6 |
| 5 21 | 16 14.58 | − 9 53.1 | 1.176 | 2.177 | 5.4 | 19.4 |
| 5 31 | 16 5.84 | − 8 57.0 | 1.179 | 2.176 | 6.7 | 19.4 |
| 6 10 | 15 57.89 | − 8 18.3 | 1.206 | 2.175 | 10.7 | 19.7 |
| 6 20 | 15 51.84 | − 7 59.7 | 1.253 | 2.176 | 14.9 | 19.9 |
| 6 30 | 15 48.43 | − 8 1.6 | 1.320 | 2.177 | 18.6 | 20.1 |

**271591** 2004 $NW_{15}$ 5 25.6 312°.87 1°.0/25.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.94 | −20 43.6 | 1.479 | 2.347 | 15.6 | 20.2 |
| 5 1 | 16 30.05 | −20 17.1 | 1.391 | 2.328 | 11.8 | 19.9 |
| 5 11 | 16 23.45 | −19 43.5 | 1.324 | 2.309 | 7.3 | 19.6 |
| 5 21 | 16 14.86 | −19 4.6 | 1.281 | 2.291 | 2.4 | 19.2 |
| 5 31 | 16 5.44 | −18 23.6 | 1.263 | 2.273 | 3.2 | 19.2 |
| 6 10 | 15 56.57 | −17 45.2 | 1.270 | 2.255 | 8.3 | 19.5 |
| 6 20 | 15 49.44 | −17 13.9 | 1.299 | 2.238 | 13.1 | 19.7 |
| 6 30 | 15 44.97 | −16 53.6 | 1.349 | 2.221 | 17.3 | 19.9 |

**39057** 2000 $UE_{104}$ 5 25.6 309°.11 4°.1/27.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.93 | −33 34.5 | 1.597 | 2.435 | 16.2 | 18.3 |
| 5 1 | 16 31.61 | −33 14.1 | 1.503 | 2.416 | 12.9 | 18.1 |
| 5 11 | 16 24.41 | −32 34.5 | 1.430 | 2.397 | 9.0 | 17.8 |
| 5 21 | 16 15.16 | −31 34.0 | 1.380 | 2.378 | 5.3 | 17.5 |
| 5 31 | 16 5.13 | −30 14.1 | 1.355 | 2.359 | 4.4 | 17.4 |
| 6 10 | 15 55.79 | −28 40.7 | 1.356 | 2.341 | 7.8 | 17.6 |
| 6 20 | 15 48.39 | −27 2.3 | 1.381 | 2.324 | 12.2 | 17.8 |
| 6 30 | 15 43.81 | −25 27.7 | 1.428 | 2.306 | 16.2 | 18.0 |

**481095** 2005 $SX_{233}$ 5 25.6 231°.76 1°.9/24.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.67 | −16 24.2 | 2.772 | 3.616 | 9.9 | 22.3 |
| 5 1 | 16 27.76 | −15 47.1 | 2.681 | 3.605 | 7.4 | 22.2 |
| 5 11 | 16 21.40 | −15 7.9 | 2.615 | 3.594 | 4.7 | 22.0 |
| 5 21 | 16 14.08 | −14 28.6 | 2.577 | 3.583 | 2.2 | 21.8 |
| 5 31 | 16 6.43 | −13 51.5 | 2.568 | 3.571 | 2.9 | 21.8 |
| 6 10 | 15 59.13 | −13 19.0 | 2.588 | 3.559 | 5.6 | 22.0 |
| 6 20 | 15 52.77 | −12 53.1 | 2.635 | 3.546 | 8.4 | 22.1 |
| 6 30 | 15 47.84 | −12 35.4 | 2.706 | 3.534 | 11.0 | 22.3 |

**168700** 2000 $GE_{147}$ 5 25.6 23°.51 0°.2/24.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 13.89 | −15 59.6 | 30.759 | 31.600 | 1.0 | 23.4 |
| 5 1 | 16 13.02 | −15 56.4 | 30.680 | 31.604 | 0.7 | 23.4 |
| 5 11 | 16 12.05 | −15 53.3 | 30.629 | 31.608 | 0.5 | 23.3 |
| 5 21 | 16 11.03 | −15 50.3 | 30.606 | 31.612 | 0.2 | 23.3 |
| 5 31 | 16 9.98 | −15 47.5 | 30.612 | 31.616 | 0.3 | 23.3 |
| 6 10 | 16 8.96 | −15 45.0 | 30.647 | 31.620 | 0.5 | 23.3 |
| 6 20 | 16 8.00 | −15 43.0 | 30.710 | 31.624 | 0.8 | 23.4 |
| 6 30 | 16 7.14 | −15 41.5 | 30.799 | 31.628 | 1.1 | 23.4 |

**266241** 2006 $XD_{51}$ 5 25.6 297°.57 2°.9/26.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.95 | −29 31.3 | 1.564 | 2.412 | 16.0 | 20.4 |
| 5 1 | 16 32.28 | −29 24.7 | 1.480 | 2.402 | 12.4 | 20.1 |
| 5 11 | 16 24.78 | −29 4.3 | 1.417 | 2.391 | 8.3 | 19.8 |
| 5 21 | 16 15.28 | −28 28.8 | 1.378 | 2.381 | 4.2 | 19.6 |
| 5 31 | 16 5.04 | −27 39.5 | 1.364 | 2.371 | 3.6 | 19.5 |
| 6 10 | 15 55.52 | −26 41.2 | 1.375 | 2.361 | 7.7 | 19.7 |
| 6 20 | 15 47.91 | −25 40.3 | 1.410 | 2.352 | 12.1 | 19.9 |
| 6 30 | 15 43.09 | −24 43.4 | 1.467 | 2.342 | 16.0 | 20.1 |

**311500** 2005 $WE_{64}$ 5 25.6 237°.85 3°.3/24.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.46 | − 8 27.6 | 2.819 | 3.649 | 10.1 | 21.2 |
| 5 1 | 16 30.57 | − 8 34.7 | 2.725 | 3.637 | 7.8 | 21.0 |
| 5 11 | 16 23.14 | − 8 46.7 | 2.657 | 3.625 | 5.3 | 20.9 |
| 5 21 | 16 14.66 | − 9 4.6 | 2.617 | 3.612 | 3.4 | 20.7 |
| 5 31 | 16 5.77 | − 9 29.2 | 2.606 | 3.599 | 3.9 | 20.7 |
| 6 10 | 15 57.15 | −10 1.0 | 2.626 | 3.585 | 6.2 | 20.8 |
| 6 20 | 15 49.45 | −10 39.6 | 2.672 | 3.571 | 8.8 | 21.0 |
| 6 30 | 15 43.18 | −11 24.5 | 2.744 | 3.557 | 11.2 | 21.1 |

**283049** 2008 $EQ_{148}$ 5 25.6 147°.33 1°.2/25.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.49 | −19 34.0 | 1.907 | 2.755 | 13.5 | 21.8 |
| 5 1 | 16 32.57 | −19 4.4 | 1.837 | 2.764 | 10.1 | 21.6 |
| 5 11 | 16 24.52 | −18 30.3 | 1.791 | 2.772 | 6.2 | 21.4 |
| 5 21 | 16 15.11 | −17 53.6 | 1.770 | 2.779 | 2.2 | 21.1 |
| 5 31 | 16 5.35 | −17 17.1 | 1.778 | 2.786 | 2.9 | 21.2 |
| 6 10 | 15 56.28 | −16 44.1 | 1.813 | 2.792 | 6.9 | 21.4 |
| 6 20 | 15 48.77 | −16 17.8 | 1.874 | 2.798 | 10.6 | 21.7 |
| 6 30 | 15 43.43 | −16 0.4 | 1.958 | 2.803 | 13.8 | 21.9 |

**165212** 2000 $SX_{9}$ 5 25.6 278°.41 10°.7/18.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.61 | − 3 4.5 | 1.503 | 2.359 | 16.1 | 20.0 |
| 5 1 | 16 31.06 | − 0 30.8 | 1.424 | 2.338 | 13.4 | 19.8 |
| 5 11 | 16 23.96 | + 2 1.0 | 1.368 | 2.316 | 11.3 | 19.6 |
| 5 21 | 16 15.03 | + 4 19.5 | 1.337 | 2.294 | 10.8 | 19.5 |
| 5 31 | 16 5.36 | + 6 13.1 | 1.331 | 2.272 | 12.5 | 19.5 |
| 6 10 | 15 56.21 | + 7 33.9 | 1.347 | 2.250 | 15.4 | 19.7 |
| 6 20 | 15 48.67 | + 8 18.6 | 1.384 | 2.227 | 18.6 | 19.8 |
| 6 30 | 15 43.60 | + 8 28.8 | 1.436 | 2.205 | 21.6 | 20.0 |

**351487** 2005 $QE_{103}$ 5 25.7 314°.11 4°.5/27.9 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.22 | −34 30.5 | 2.173 | 2.989 | 13.2 | 21.3 |
| 5 1 | 16 31.08 | −34 47.3 | 2.089 | 2.986 | 10.6 | 21.1 |
| 5 11 | 16 23.74 | −34 51.5 | 2.028 | 2.982 | 7.7 | 21.0 |
| 5 21 | 16 14.90 | −34 41.1 | 1.991 | 2.979 | 5.2 | 20.8 |
| 5 31 | 16 5.55 | −34 15.8 | 1.981 | 2.976 | 4.6 | 20.8 |
| 6 10 | 15 56.77 | −33 38.2 | 1.998 | 2.972 | 6.7 | 20.9 |
| 6 20 | 15 49.48 | −32 52.6 | 2.040 | 2.969 | 9.6 | 21.0 |
| 6 30 | 15 44.37 | −32 4.0 | 2.106 | 2.967 | 12.4 | 21.2 |

**34333** 2000 $QG_{211}$ 5 25.7 232°.88 0°.4/25.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.55 | −23 20.9 | 2.465 | 3.304 | 11.1 | 19.8 |
| 5 1 | 16 29.41 | −23 12.7 | 2.376 | 3.297 | 8.4 | 19.6 |
| 5 11 | 16 22.54 | −22 59.0 | 2.311 | 3.289 | 5.2 | 19.4 |
| 5 21 | 16 14.49 | −22 40.3 | 2.272 | 3.281 | 1.8 | 19.2 |
| 5 31 | 16 6.03 | −22 17.9 | 2.263 | 3.273 | 1.9 | 19.2 |
| 6 10 | 15 57.98 | −21 53.8 | 2.282 | 3.264 | 5.4 | 19.4 |
| 6 20 | 15 51.06 | −21 30.6 | 2.327 | 3.256 | 8.6 | 19.6 |
| 6 30 | 15 45.85 | −21 11.0 | 2.397 | 3.247 | 11.5 | 19.8 |

**304657** 2006 $WY_{27}$ 5 25.7 313°.05 0°.4/25.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.64 | −19 12.5 | 2.108 | 2.956 | 12.4 | 20.3 |
| 5 1 | 16 30.49 | −19 28.3 | 2.025 | 2.951 | 9.3 | 20.1 |
| 5 11 | 16 23.32 | −19 42.7 | 1.965 | 2.946 | 5.7 | 19.9 |
| 5 21 | 16 14.77 | −19 55.5 | 1.932 | 2.942 | 1.9 | 19.6 |
| 5 31 | 16 5.70 | −20 7.3 | 1.927 | 2.937 | 2.2 | 19.6 |
| 6 10 | 15 57.06 | −20 19.0 | 1.950 | 2.933 | 6.1 | 19.9 |
| 6 20 | 15 49.72 | −20 31.9 | 1.999 | 2.928 | 9.7 | 20.1 |
| 6 30 | 15 44.33 | −20 47.7 | 2.070 | 2.924 | 12.9 | 20.3 |

**427975** 2005 $YP_{171}$ 5 25.7 162°.47 2°.8/27.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.32 | −30 54.5 | 2.199 | 3.020 | 12.9 | 21.6 |
| 5 1 | 16 33.14 | −30 47.6 | 2.120 | 3.025 | 10.0 | 21.4 |
| 5 11 | 16 24.87 | −30 29.2 | 2.065 | 3.030 | 6.8 | 21.2 |
| 5 21 | 16 15.24 | −29 58.4 | 2.035 | 3.035 | 3.7 | 21.0 |
| 5 31 | 16 5.23 | −29 16.5 | 2.034 | 3.039 | 3.2 | 21.0 |
| 6 10 | 15 55.90 | −28 26.9 | 2.061 | 3.042 | 6.0 | 21.2 |
| 6 20 | 15 48.08 | −27 34.0 | 2.115 | 3.045 | 9.3 | 21.4 |
| 6 30 | 15 42.40 | −26 42.7 | 2.193 | 3.047 | 12.2 | 21.6 |

**386126** 2007 $RV_{307}$ 5 25.7 251°.17 2°.7/26.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.69 | −29 9.5 | 2.050 | 2.884 | 13.3 | 21.2 |
| 5 1 | 16 31.44 | −29 17.6 | 1.966 | 2.879 | 10.3 | 21.0 |
| 5 11 | 16 23.98 | −29 15.8 | 1.904 | 2.874 | 6.9 | 20.8 |
| 5 21 | 16 15.00 | −29 3.1 | 1.868 | 2.870 | 3.6 | 20.6 |
| 5 31 | 16 5.48 | −28 39.9 | 1.859 | 2.865 | 3.2 | 20.6 |
| 6 10 | 15 56.51 | −28 8.8 | 1.878 | 2.860 | 6.3 | 20.7 |
| 6 20 | 15 49.03 | −27 33.6 | 1.922 | 2.855 | 9.8 | 20.9 |
| 6 30 | 15 43.74 | −26 58.8 | 1.989 | 2.850 | 13.0 | 21.1 |

**393126** 2013 $BC_{40}$ 5 25.7 197°.16 3°.0/24.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.93 | −11 31.8 | 2.486 | 3.331 | 10.9 | 21.8 |
| 5 1 | 16 28.80 | −11 17.0 | 2.408 | 3.329 | 8.2 | 21.6 |
| 5 11 | 16 22.09 | −11 4.7 | 2.353 | 3.328 | 5.4 | 21.4 |
| 5 21 | 16 14.34 | −10 56.5 | 2.326 | 3.326 | 3.2 | 21.3 |
| 5 31 | 16 6.25 | −10 54.1 | 2.327 | 3.324 | 3.8 | 21.3 |
| 6 10 | 15 58.56 | −10 58.8 | 2.357 | 3.322 | 6.4 | 21.5 |
| 6 20 | 15 51.92 | −11 11.3 | 2.412 | 3.320 | 9.3 | 21.6 |
| 6 30 | 15 46.86 | −11 31.9 | 2.491 | 3.317 | 11.8 | 21.8 |

**507984** 2015 $BG_{130}$ 5 25.7 0°.04 0°.2/25.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.98 | −21 52.9 | 1.344 | 2.217 | 16.6 | 20.8 |
| 5 1 | 16 30.16 | −21 51.9 | 1.276 | 2.214 | 12.5 | 20.5 |
| 5 11 | 16 23.50 | −21 44.8 | 1.228 | 2.213 | 7.8 | 20.2 |
| 5 21 | 16 14.89 | −21 32.1 | 1.203 | 2.213 | 2.5 | 19.9 |
| 5 31 | 16 5.62 | −21 15.6 | 1.203 | 2.213 | 2.9 | 19.9 |
| 6 10 | 15 57.13 | −20 58.8 | 1.226 | 2.215 | 8.1 | 20.2 |
| 6 20 | 15 50.62 | −20 45.4 | 1.272 | 2.217 | 12.8 | 20.5 |
| 6 30 | 15 46.91 | −20 38.7 | 1.338 | 2.220 | 16.9 | 20.8 |

**468541** 2006 $QA_{31}$ 5 25.7 106°.71 11°.9/25.9 16 C

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 17 39.08 | − 0 9.3 | 0.538 | 1.376 | 37.6 | 21.1 |
| 5 1 | 17 18.71 | − 0 10.5 | 0.522 | 1.433 | 28.9 | 20.8 |
| 5 11 | 16 52.42 | − 0 44.1 | 0.522 | 1.485 | 19.9 | 20.6 |
| 5 21 | 16 23.60 | − 1 53.0 | 0.541 | 1.532 | 13.0 | 20.6 |
| 5 31 | 15 56.73 | − 3 31.1 | 0.583 | 1.574 | 12.9 | 20.8 |
| 6 10 | 15 35.36 | − 5 26.1 | 0.648 | 1.612 | 18.1 | 21.2 |
| 6 20 | 15 20.79 | − 7 27.1 | 0.732 | 1.644 | 23.5 | 21.7 |
| 6 30 | 15 12.82 | − 9 27.9 | 0.830 | 1.672 | 28.0 | 22.2 |

**118909** 2000 $UE_{106}$ 5 25.7 339°.44 0°.4/25.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.03 | −22 31.8 | 2.052 | 2.903 | 12.6 | 19.1 |
| 5 1 | 16 28.51 | −21 54.6 | 1.972 | 2.900 | 9.4 | 18.9 |
| 5 11 | 16 22.06 | −21 10.5 | 1.915 | 2.897 | 5.8 | 18.7 |
| 5 21 | 16 14.36 | −20 21.0 | 1.885 | 2.894 | 1.8 | 18.4 |
| 5 31 | 16 6.27 | −19 29.2 | 1.882 | 2.892 | 2.3 | 18.4 |
| 6 10 | 15 58.74 | −18 39.0 | 1.907 | 2.889 | 6.2 | 18.7 |
| 6 20 | 15 52.54 | −17 54.1 | 1.957 | 2.887 | 9.9 | 18.9 |
| 6 30 | 15 48.28 | −17 17.8 | 2.030 | 2.885 | 13.0 | 19.1 |

**161397** 2003 $UU_{140}$ 5 25.7 89°.12 4°.9/23.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.98 | − 8 52.5 | 1.917 | 2.769 | 13.3 | 19.9 |
| 5 1 | 16 29.90 | − 8 18.3 | 1.852 | 2.775 | 10.2 | 19.7 |
| 5 11 | 16 22.88 | − 7 48.9 | 1.810 | 2.781 | 7.1 | 19.5 |
| 5 21 | 16 14.61 | − 7 27.5 | 1.794 | 2.787 | 5.0 | 19.4 |
| 5 31 | 16 6.00 | − 7 16.9 | 1.804 | 2.793 | 5.7 | 19.5 |
| 6 10 | 15 57.98 | − 7 19.1 | 1.841 | 2.799 | 8.5 | 19.6 |
| 6 20 | 15 51.35 | − 7 34.2 | 1.902 | 2.805 | 11.6 | 19.8 |
| 6 30 | 15 46.69 | − 8 1.8 | 1.984 | 2.811 | 14.4 | 20.0 |

**388830** 2008 $DO_1$ 5 25.7 10°.79 10°.0/21.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 31.52 | + 3 24.6 | 1.721 | 2.561 | 15.1 | 20.1 |
| 5 1 | 16 27.47 | + 4 25.2 | 1.668 | 2.564 | 12.8 | 19.9 |
| 5 11 | 16 21.45 | + 5 10.2 | 1.636 | 2.568 | 10.9 | 19.8 |
| 5 21 | 16 14.17 | + 5 33.9 | 1.626 | 2.572 | 10.0 | 19.8 |
| 5 31 | 16 6.54 | + 5 32.5 | 1.639 | 2.578 | 10.7 | 19.8 |
| 6 10 | 15 59.54 | + 5 5.4 | 1.675 | 2.584 | 12.5 | 19.9 |
| 6 20 | 15 53.96 | + 4 14.6 | 1.732 | 2.590 | 14.7 | 20.1 |
| 6 30 | 15 50.38 | + 3 4.1 | 1.808 | 2.598 | 17.0 | 20.3 |

**169456** 2002 $CZ_{21}$ 5 25.7 185°.55 1°.9/24.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.12 | −13 21.8 | 3.886 | 4.724 | 7.4 | 21.4 |
| 5 1 | 16 24.74 | −13 1.0 | 3.804 | 4.724 | 5.6 | 21.2 |
| 5 11 | 16 19.40 | −12 40.8 | 3.748 | 4.723 | 3.6 | 21.1 |
| 5 21 | 16 13.46 | −12 22.2 | 3.720 | 4.722 | 2.0 | 21.0 |
| 5 31 | 16 7.33 | −12 6.6 | 3.723 | 4.721 | 2.4 | 21.0 |
| 6 10 | 16 1.45 | −11 55.2 | 3.754 | 4.719 | 4.3 | 21.1 |
| 6 20 | 15 56.20 | −11 48.7 | 3.813 | 4.717 | 6.3 | 21.3 |
| 6 30 | 15 51.93 | −11 47.9 | 3.898 | 4.715 | 8.1 | 21.4 |

**40056** 1998 $KT_{44}$ 5 25.7 293°.40 3°.1/24.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.12 | −15 45.7 | 1.774 | 2.635 | 13.8 | 18.6 |
| 5 1 | 16 29.72 | −14 57.9 | 1.682 | 2.614 | 10.4 | 18.4 |
| 5 11 | 16 23.05 | −14 6.8 | 1.612 | 2.594 | 6.7 | 18.1 |
| 5 21 | 16 14.75 | −13 15.6 | 1.568 | 2.573 | 3.5 | 17.9 |
| 5 31 | 16 5.79 | −12 28.5 | 1.550 | 2.552 | 4.5 | 17.9 |
| 6 10 | 15 57.28 | −11 49.9 | 1.558 | 2.531 | 8.4 | 18.1 |
| 6 20 | 15 50.18 | −11 23.3 | 1.591 | 2.511 | 12.4 | 18.2 |
| 6 30 | 15 45.27 | −11 10.8 | 1.644 | 2.490 | 16.0 | 18.4 |

**334096** 2001 $QR_{193}$ 5 25.7 285°.69 16°.8/ 1.0 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 48.47 | −52 33.2 | 1.205 | 1.977 | 24.1 | 20.1 |
| 5 1 | 16 43.87 | −54 8.1 | 1.133 | 1.967 | 21.8 | 19.9 |
| 5 11 | 16 33.51 | −55 11.7 | 1.074 | 1.956 | 19.6 | 19.7 |
| 5 21 | 16 18.48 | −55 30.0 | 1.031 | 1.945 | 17.7 | 19.5 |
| 5 31 | 16 1.47 | −54 52.7 | 1.006 | 1.934 | 16.8 | 19.4 |
| 6 10 | 15 46.04 | −53 20.6 | 1.000 | 1.924 | 17.4 | 19.4 |
| 6 20 | 15 34.96 | −51 5.8 | 1.011 | 1.914 | 19.4 | 19.5 |
| 6 30 | 15 29.65 | −48 27.0 | 1.040 | 1.903 | 22.0 | 19.6 |

**470150** 2006 $UP_{89}$ 5 25.7 229°.41 1°.2/24.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.91 | −19 9.3 | 2.763 | 3.602 | 10.0 | 21.7 |
| 5 1 | 16 28.72 | −18 30.2 | 2.667 | 3.590 | 7.5 | 21.5 |
| 5 11 | 16 22.03 | −17 47.1 | 2.598 | 3.577 | 4.6 | 21.3 |
| 5 21 | 16 14.35 | −17 1.7 | 2.556 | 3.564 | 1.8 | 21.1 |
| 5 31 | 16 6.31 | −16 16.3 | 2.545 | 3.551 | 2.4 | 21.1 |
| 6 10 | 15 58.64 | −15 33.7 | 2.562 | 3.537 | 5.4 | 21.3 |
| 6 20 | 15 51.95 | −14 56.5 | 2.607 | 3.522 | 8.3 | 21.5 |
| 6 30 | 15 46.73 | −14 26.8 | 2.676 | 3.507 | 11.0 | 21.6 |

**140055** 2001 $SU_{96}$ 5 25.7 345°.63 5°.7/27.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.75 | −35 21.4 | 1.828 | 2.651 | 15.1 | 19.6 |
| 5 1 | 16 31.95 | −35 54.6 | 1.748 | 2.647 | 12.2 | 19.4 |
| 5 11 | 16 24.52 | −36 13.5 | 1.690 | 2.643 | 9.1 | 19.2 |
| 5 21 | 16 15.24 | −36 15.0 | 1.655 | 2.640 | 6.4 | 19.0 |
| 5 31 | 16 5.28 | −35 57.9 | 1.645 | 2.637 | 5.8 | 18.9 |
| 6 10 | 15 55.98 | −35 24.6 | 1.661 | 2.634 | 7.9 | 19.1 |
| 6 20 | 15 48.46 | −34 40.2 | 1.701 | 2.632 | 11.0 | 19.2 |
| 6 30 | 15 43.55 | −33 51.0 | 1.763 | 2.631 | 14.1 | 19.4 |

**164025** 2003 $UH_{226}$ 5 25.7 152°.89 0°.9/26.1 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.01 | −24 53.0 | 2.009 | 2.853 | 13.1 | 20.3 |
| 5 1 | 16 30.81 | −24 41.5 | 1.932 | 2.854 | 9.9 | 20.0 |
| 5 11 | 16 23.52 | −24 22.4 | 1.877 | 2.856 | 6.2 | 19.8 |
| 5 21 | 16 14.85 | −23 56.0 | 1.849 | 2.857 | 2.3 | 19.6 |
| 5 31 | 16 5.76 | −23 23.9 | 1.848 | 2.858 | 2.2 | 19.6 |
| 6 10 | 15 57.26 | −22 49.3 | 1.875 | 2.859 | 6.1 | 19.8 |
| 6 20 | 15 50.23 | −22 15.8 | 1.927 | 2.860 | 9.8 | 20.0 |
| 6 30 | 15 45.30 | −21 46.9 | 2.002 | 2.861 | 13.0 | 20.3 |

**29579** 1998 $FV_{54}$ 5 25.7 68°.84 7°.2/21.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.48 | − 2 35.2 | 2.092 | 2.935 | 12.7 | 18.1 |
| 5 1 | 16 27.80 | − 1 16.0 | 2.040 | 2.947 | 10.3 | 18.0 |
| 5 11 | 16 21.48 | − 0 5.1 | 2.011 | 2.960 | 8.2 | 17.8 |
| 5 21 | 16 14.15 | + 0 52.5 | 2.008 | 2.972 | 7.3 | 17.8 |
| 5 31 | 16 6.61 | + 1 32.6 | 2.031 | 2.985 | 8.0 | 17.9 |
| 6 10 | 15 59.64 | + 1 53.1 | 2.079 | 2.997 | 10.0 | 18.0 |
| 6 20 | 15 53.90 | + 1 53.9 | 2.150 | 3.010 | 12.2 | 18.2 |
| 6 30 | 15 49.89 | + 1 36.8 | 2.241 | 3.022 | 14.4 | 18.4 |

**100538** 1997 $ET_{10}$ 5 25.7 198°.55 3°.4/27.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.72 | −32 20.9 | 2.662 | 3.473 | 11.2 | 20.9 |
| 5 1 | 16 31.08 | −32 42.5 | 2.575 | 3.471 | 8.8 | 20.8 |
| 5 11 | 16 23.60 | −32 54.8 | 2.511 | 3.469 | 6.3 | 20.6 |
| 5 21 | 16 14.88 | −32 56.5 | 2.474 | 3.466 | 4.0 | 20.4 |
| 5 31 | 16 5.72 | −32 47.2 | 2.466 | 3.463 | 3.6 | 20.4 |
| 6 10 | 15 56.98 | −32 28.4 | 2.485 | 3.459 | 5.6 | 20.5 |
| 6 20 | 15 49.43 | −32 3.0 | 2.531 | 3.456 | 8.2 | 20.7 |
| 6 30 | 15 43.67 | −31 34.5 | 2.602 | 3.452 | 10.7 | 20.8 |

**286361** 2001 $XJ_{144}$ 5 25.7 93°.52 2°.0/24.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 39.28 | −18 1.5 | 1.404 | 2.268 | 16.5 | 20.7 |
| 5 1 | 16 33.77 | −17 36.8 | 1.344 | 2.279 | 12.3 | 20.5 |
| 5 11 | 16 25.53 | −17 9.1 | 1.306 | 2.289 | 7.6 | 20.2 |
| 5 21 | 16 15.52 | −16 40.5 | 1.291 | 2.300 | 2.9 | 20.0 |
| 5 31 | 16 5.06 | −16 14.3 | 1.303 | 2.310 | 3.8 | 20.0 |
| 6 10 | 15 55.54 | −15 54.2 | 1.339 | 2.320 | 8.5 | 20.3 |
| 6 20 | 15 48.05 | −15 43.0 | 1.399 | 2.330 | 12.9 | 20.6 |
| 6 30 | 15 43.32 | −15 42.8 | 1.478 | 2.340 | 16.7 | 20.9 |

**208015** 1998 $SM_{160}$ 5 25.7 278°.89 3°.5/22.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 29.58 | − 8 9.9 | 3.433 | 4.270 | 8.3 | 21.0 |
| 5 1 | 16 25.29 | − 7 33.8 | 3.330 | 4.244 | 6.5 | 20.8 |
| 5 11 | 16 19.85 | − 6 59.9 | 3.253 | 4.217 | 4.6 | 20.7 |
| 5 21 | 16 13.65 | − 6 30.3 | 3.204 | 4.191 | 3.5 | 20.6 |
| 5 31 | 16 7.13 | − 6 7.0 | 3.183 | 4.164 | 4.1 | 20.6 |
| 6 10 | 16 0.81 | − 5 51.7 | 3.191 | 4.136 | 5.8 | 20.7 |
| 6 20 | 15 55.14 | − 5 45.3 | 3.225 | 4.109 | 7.9 | 20.8 |
| 6 30 | 15 50.55 | − 5 48.3 | 3.283 | 4.081 | 9.9 | 20.9 |

**491914** 2013 $CZ_{62}$ 5 25.7 178°.90 0°.5/25.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.16 | −24 26.4 | 2.698 | 3.531 | 10.4 | 21.9 |
| 5 1 | 16 28.93 | −24 8.0 | 2.614 | 3.532 | 7.8 | 21.7 |
| 5 11 | 16 22.16 | −23 43.4 | 2.556 | 3.533 | 4.9 | 21.5 |
| 5 21 | 16 14.39 | −23 13.5 | 2.525 | 3.533 | 1.7 | 21.3 |
| 5 31 | 16 6.32 | −22 39.7 | 2.523 | 3.533 | 1.7 | 21.3 |
| 6 10 | 15 58.70 | −22 4.5 | 2.551 | 3.533 | 4.9 | 21.5 |
| 6 20 | 15 52.14 | −21 30.4 | 2.605 | 3.532 | 7.9 | 21.7 |
| 6 30 | 15 47.16 | −21 0.2 | 2.684 | 3.531 | 10.5 | 21.9 |

**393181** 2013 $CH_{100}$ 5 25.7 287°.47 3°.2/27.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.11 | −31 24.4 | 2.280 | 3.104 | 12.4 | 20.9 |
| 5 1 | 16 30.15 | −31 31.1 | 2.189 | 3.095 | 9.7 | 20.7 |
| 5 11 | 16 23.15 | −31 27.3 | 2.121 | 3.085 | 6.7 | 20.5 |
| 5 21 | 16 14.76 | −31 11.8 | 2.079 | 3.076 | 4.0 | 20.3 |
| 5 31 | 16 5.86 | −30 44.9 | 2.065 | 3.067 | 3.5 | 20.2 |
| 6 10 | 15 57.44 | −30 8.9 | 2.077 | 3.058 | 6.0 | 20.4 |
| 6 20 | 15 50.35 | −29 27.7 | 2.116 | 3.048 | 9.1 | 20.6 |
| 6 30 | 15 45.25 | −28 45.6 | 2.179 | 3.039 | 12.1 | 20.7 |

**475050** 2005 $UR_{96}$ 5 25.7 204°.60 0°.9/25.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.44 | −18 43.3 | 2.568 | 3.412 | 10.6 | 22.1 |
| 5 1 | 16 28.46 | −18 30.1 | 2.485 | 3.410 | 7.9 | 21.9 |
| 5 11 | 16 21.91 | −18 14.6 | 2.427 | 3.407 | 4.8 | 21.7 |
| 5 21 | 16 14.32 | −17 57.8 | 2.396 | 3.405 | 1.7 | 21.5 |
| 5 31 | 16 6.39 | −17 41.3 | 2.394 | 3.402 | 2.2 | 21.5 |
| 6 10 | 15 58.86 | −17 26.7 | 2.421 | 3.399 | 5.4 | 21.7 |
| 6 20 | 15 52.38 | −17 16.1 | 2.474 | 3.396 | 8.4 | 21.9 |
| 6 30 | 15 47.46 | −17 10.8 | 2.551 | 3.393 | 11.1 | 22.1 |

**376802** 2000 $SH_{357}$ 5 25.7 184°.03 2°.0/24.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.96 | −14 32.6 | 2.489 | 3.326 | 11.1 | 22.0 |
| 5 1 | 16 31.82 | −14 27.6 | 2.407 | 3.327 | 8.3 | 21.8 |
| 5 11 | 16 23.97 | −14 23.3 | 2.349 | 3.326 | 5.3 | 21.6 |
| 5 21 | 16 14.99 | −14 20.7 | 2.320 | 3.325 | 2.4 | 21.4 |
| 5 31 | 16 5.63 | −14 20.9 | 2.320 | 3.324 | 3.0 | 21.4 |
| 6 10 | 15 56.69 | −14 25.3 | 2.350 | 3.322 | 6.0 | 21.6 |
| 6 20 | 15 48.88 | −14 34.9 | 2.406 | 3.319 | 9.1 | 21.8 |
| 6 30 | 15 42.76 | −14 50.4 | 2.487 | 3.315 | 11.8 | 22.0 |

**422506** 2014 $TY_{3}$ 5 25.7 262°.28 1°.0/25.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.23 | −23 40.3 | 1.559 | 2.411 | 15.8 | 22.3 |
| 5 1 | 16 34.88 | −23 45.6 | 1.466 | 2.393 | 12.1 | 22.1 |
| 5 11 | 16 26.54 | −23 44.0 | 1.394 | 2.375 | 7.7 | 21.7 |
| 5 21 | 16 15.98 | −23 34.3 | 1.347 | 2.356 | 2.8 | 21.4 |
| 5 31 | 16 4.41 | −23 17.2 | 1.326 | 2.336 | 2.9 | 21.4 |
| 6 10 | 15 53.32 | −22 55.4 | 1.331 | 2.316 | 8.0 | 21.6 |
| 6 20 | 15 44.06 | −22 33.2 | 1.360 | 2.296 | 12.8 | 21.8 |
| 6 30 | 15 37.64 | −22 15.3 | 1.409 | 2.276 | 17.1 | 22.0 |

**54653** 2000 $SB_{350}$ 5 25.7 249°.26 2°.2/23.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 26.78 | − 9 24.0 | 4.503 | 5.338 | 6.5 | 19.7 |
| 5 1 | 16 22.93 | − 9 14.1 | 4.420 | 5.335 | 5.0 | 19.6 |
| 5 11 | 16 18.27 | − 9 6.4 | 4.363 | 5.331 | 3.4 | 19.5 |
| 5 21 | 16 13.11 | − 9 1.9 | 4.334 | 5.328 | 2.3 | 19.4 |
| 5 31 | 16 7.79 | − 9 1.5 | 4.336 | 5.324 | 2.7 | 19.4 |
| 6 10 | 16 2.65 | − 9 5.9 | 4.366 | 5.321 | 4.1 | 19.5 |
| 6 20 | 15 58.03 | − 9 15.3 | 4.423 | 5.317 | 5.7 | 19.6 |
| 6 30 | 15 54.21 | − 9 30.1 | 4.506 | 5.314 | 7.2 | 19.7 |

**501679** 2014 $TX_{45}$ 5 25.7 190°.53 0°.4/25.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.98 | −20 49.1 | 1.968 | 2.811 | 13.4 | 22.4 |
| 5 1 | 16 33.82 | −20 37.5 | 1.886 | 2.810 | 10.0 | 22.2 |
| 5 11 | 16 25.41 | −20 21.2 | 1.828 | 2.808 | 6.2 | 21.9 |
| 5 21 | 16 15.50 | −20 0.7 | 1.796 | 2.805 | 2.0 | 21.6 |
| 5 31 | 16 5.07 | −19 37.9 | 1.793 | 2.802 | 2.4 | 21.7 |
| 6 10 | 15 55.22 | −19 15.5 | 1.817 | 2.798 | 6.6 | 21.9 |
| 6 20 | 15 46.88 | −18 56.4 | 1.868 | 2.794 | 10.5 | 22.2 |
| 6 30 | 15 40.76 | −18 43.4 | 1.941 | 2.788 | 13.9 | 22.4 |

**427041** 2014 $TH_{30}$ 5 25.7 255°.71 2°.7/24.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.66 | −16 54.1 | 1.640 | 2.497 | 14.9 | 21.8 |
| 5 1 | 16 33.36 | −16 15.7 | 1.548 | 2.479 | 11.3 | 21.5 |
| 5 11 | 16 25.42 | −15 33.2 | 1.478 | 2.460 | 7.2 | 21.2 |
| 5 21 | 16 15.58 | −14 49.4 | 1.434 | 2.440 | 3.2 | 20.9 |
| 5 31 | 16 4.93 | −14 8.0 | 1.416 | 2.420 | 4.2 | 21.0 |
| 6 10 | 15 54.76 | −13 33.5 | 1.424 | 2.400 | 8.7 | 21.2 |
| 6 20 | 15 46.23 | −13 9.6 | 1.456 | 2.379 | 13.1 | 21.4 |
| 6 30 | 15 40.22 | −12 59.0 | 1.509 | 2.357 | 17.1 | 21.6 |

**292901** 2006 $VE_{42}$ 5 25.7 152°.37 1°.1/25.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.12 | −18 48.9 | 2.075 | 2.918 | 12.8 | 21.9 |
| 5 1 | 16 32.93 | −18 36.3 | 2.003 | 2.927 | 9.5 | 21.7 |
| 5 11 | 16 24.74 | −18 20.9 | 1.956 | 2.936 | 5.9 | 21.5 |
| 5 21 | 16 15.25 | −18 3.8 | 1.935 | 2.943 | 2.0 | 21.2 |
| 5 31 | 16 5.40 | −17 46.5 | 1.942 | 2.950 | 2.6 | 21.3 |
| 6 10 | 15 56.16 | −17 31.5 | 1.978 | 2.957 | 6.4 | 21.5 |
| 6 20 | 15 48.36 | −17 21.0 | 2.040 | 2.962 | 9.9 | 21.8 |
| 6 30 | 15 42.61 | −17 16.9 | 2.125 | 2.967 | 13.0 | 22.0 |

**521087** 2015 $DW_{241}$ 5 25.7 154°.23 5°.9/26.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 45.09 | −33 20.8 | 1.943 | 2.755 | 14.7 | 21.1 |
| 5 1 | 16 38.26 | −34 47.0 | 1.865 | 2.757 | 11.9 | 20.9 |
| 5 11 | 16 28.52 | −36 3.9 | 1.809 | 2.758 | 8.8 | 20.7 |
| 5 21 | 16 16.61 | −37 5.9 | 1.778 | 2.760 | 6.4 | 20.5 |
| 5 31 | 16 3.74 | −37 48.8 | 1.776 | 2.761 | 6.2 | 20.5 |
| 6 10 | 15 51.36 | −38 12.1 | 1.800 | 2.762 | 8.3 | 20.7 |
| 6 20 | 15 40.76 | −38 18.9 | 1.850 | 2.763 | 11.3 | 20.8 |
| 6 30 | 15 32.93 | −38 14.7 | 1.922 | 2.764 | 14.2 | 21.0 |

**168007** 2005 $GE_{181}$ 5 25.7 35°.96 1°.3/25.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.00 | −18 10.4 | 2.002 | 2.855 | 12.8 | 20.1 |
| 5 1 | 16 30.01 | −17 56.3 | 1.926 | 2.855 | 9.5 | 19.9 |
| 5 11 | 16 23.03 | −17 39.8 | 1.873 | 2.855 | 5.9 | 19.7 |
| 5 21 | 16 14.72 | −17 22.4 | 1.847 | 2.855 | 2.2 | 19.5 |
| 5 31 | 16 5.99 | −17 6.0 | 1.848 | 2.856 | 2.8 | 19.5 |
| 6 10 | 15 57.80 | −16 52.8 | 1.876 | 2.856 | 6.6 | 19.7 |
| 6 20 | 15 50.97 | −16 45.1 | 1.929 | 2.856 | 10.2 | 20.0 |
| 6 30 | 15 46.13 | −16 44.5 | 2.005 | 2.856 | 13.3 | 20.2 |

**250814** 2005 $UC_{55}$ 5 25.7 206°.22 1°.0/26.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.10 | −25 41.2 | 2.864 | 3.693 | 10.0 | 21.5 |
| 5 1 | 16 28.88 | −25 32.6 | 2.774 | 3.688 | 7.6 | 21.3 |
| 5 11 | 16 22.14 | −25 17.9 | 2.709 | 3.683 | 4.8 | 21.1 |
| 5 21 | 16 14.41 | −24 57.2 | 2.672 | 3.678 | 1.9 | 20.9 |
| 5 31 | 16 6.35 | −24 31.6 | 2.663 | 3.673 | 1.8 | 20.9 |
| 6 10 | 15 58.67 | −24 3.1 | 2.684 | 3.667 | 4.7 | 21.1 |
| 6 20 | 15 51.98 | −23 34.1 | 2.733 | 3.660 | 7.5 | 21.2 |
| 6 30 | 15 46.81 | −23 7.2 | 2.806 | 3.654 | 10.1 | 21.4 |

**420952** 2013 $PC_{6}$ 5 25.7 23°.68 4°.7/27.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.16 | −30 46.3 | 1.368 | 2.218 | 17.7 | 20.4 |
| 5 1 | 16 34.29 | −31 20.7 | 1.301 | 2.221 | 13.9 | 20.2 |
| 5 11 | 16 26.20 | −31 41.7 | 1.254 | 2.224 | 9.7 | 20.0 |
| 5 21 | 16 15.84 | −31 45.7 | 1.229 | 2.228 | 5.8 | 19.7 |
| 5 31 | 16 4.73 | −31 31.8 | 1.229 | 2.232 | 5.2 | 19.7 |
| 6 10 | 15 54.54 | −31 3.3 | 1.252 | 2.236 | 8.6 | 19.9 |
| 6 20 | 15 46.64 | −30 26.2 | 1.299 | 2.241 | 12.8 | 20.2 |
| 6 30 | 15 41.94 | −29 47.7 | 1.365 | 2.246 | 16.7 | 20.4 |

**105302** 2000 $QF_{57}$ 5 25.7 278°.75 0°.2/25.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.35 | −21 18.0 | 2.352 | 3.194 | 11.5 | 21.3 |
| 5 1 | 16 30.27 | −21 10.2 | 2.244 | 3.167 | 8.7 | 21.1 |
| 5 11 | 16 23.26 | −20 58.1 | 2.160 | 3.140 | 5.4 | 20.8 |
| 5 21 | 16 14.85 | −20 42.1 | 2.104 | 3.113 | 1.8 | 20.5 |
| 5 31 | 16 5.82 | −20 23.4 | 2.075 | 3.085 | 2.1 | 20.5 |
| 6 10 | 15 57.06 | −20 4.1 | 2.075 | 3.057 | 5.9 | 20.7 |
| 6 20 | 15 49.39 | −19 46.7 | 2.101 | 3.028 | 9.5 | 20.8 |
| 6 30 | 15 43.51 | −19 33.8 | 2.151 | 2.999 | 12.7 | 21.0 |

**70807** 1999 $VK_{64}$ 5 25.7 277°.06 1°.5/26.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.59 | −23 31.7 | 1.880 | 2.725 | 13.8 | 19.4 |
| 5 1 | 16 33.05 | −24 3.5 | 1.798 | 2.721 | 10.5 | 19.2 |
| 5 11 | 16 25.11 | −24 31.0 | 1.739 | 2.716 | 6.7 | 19.0 |
| 5 21 | 16 15.47 | −24 52.7 | 1.705 | 2.712 | 2.7 | 18.7 |
| 5 31 | 16 5.14 | −25 8.0 | 1.699 | 2.708 | 2.6 | 18.7 |
| 6 10 | 15 55.33 | −25 17.8 | 1.720 | 2.704 | 6.6 | 18.9 |
| 6 20 | 15 47.06 | −25 24.1 | 1.767 | 2.700 | 10.6 | 19.2 |
| 6 30 | 15 41.12 | −25 30.1 | 1.836 | 2.696 | 14.0 | 19.4 |

**295575** 2008 $SX_{104}$ 5 25.7 9°.34 2°.0/26.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.11 | −25 38.4 | 1.717 | 2.566 | 14.7 | 20.6 |
| 5 1 | 16 32.08 | −25 58.2 | 1.643 | 2.567 | 11.2 | 20.4 |
| 5 11 | 16 24.54 | −26 10.7 | 1.590 | 2.567 | 7.2 | 20.2 |
| 5 21 | 16 15.27 | −26 14.5 | 1.562 | 2.568 | 3.2 | 19.9 |
| 5 31 | 16 5.40 | −26 9.7 | 1.561 | 2.569 | 2.9 | 19.9 |
| 6 10 | 15 56.18 | −25 58.6 | 1.586 | 2.571 | 6.9 | 20.2 |
| 6 20 | 15 48.67 | −25 44.5 | 1.635 | 2.573 | 11.0 | 20.4 |
| 6 30 | 15 43.64 | −25 31.5 | 1.706 | 2.574 | 14.5 | 20.6 |

**504633** 2008 $WR_{32}$ 5 25.7 256°.23 0°.4/25.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.75 | −22 2.3 | 2.286 | 3.123 | 12.0 | 21.9 |
| 5 1 | 16 32.90 | −22 12.4 | 2.181 | 3.100 | 9.1 | 21.7 |
| 5 11 | 16 24.93 | −22 18.7 | 2.099 | 3.077 | 5.7 | 21.4 |
| 5 21 | 16 15.42 | −22 20.8 | 2.044 | 3.053 | 2.0 | 21.1 |
| 5 31 | 16 5.18 | −22 19.0 | 2.019 | 3.029 | 2.1 | 21.1 |
| 6 10 | 15 55.23 | −22 14.7 | 2.022 | 3.003 | 6.0 | 21.3 |
| 6 20 | 15 46.45 | −22 9.9 | 2.051 | 2.978 | 9.7 | 21.5 |
| 6 30 | 15 39.61 | −22 7.2 | 2.105 | 2.951 | 13.0 | 21.6 |

**273879** 2007 $HQ_{7}$ 5 25.7 343°.69 1°.6/25.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.77 | −16 3.4 | 1.461 | 2.328 | 15.8 | 19.9 |
| 5 1 | 16 32.13 | −16 25.7 | 1.386 | 2.322 | 12.0 | 19.7 |
| 5 11 | 16 24.75 | −16 50.4 | 1.332 | 2.316 | 7.5 | 19.4 |
| 5 21 | 16 15.39 | −17 17.6 | 1.302 | 2.311 | 2.7 | 19.1 |
| 5 31 | 16 5.25 | −17 47.2 | 1.297 | 2.306 | 3.3 | 19.1 |
| 6 10 | 15 55.72 | −18 19.8 | 1.318 | 2.302 | 8.2 | 19.4 |
| 6 20 | 15 47.99 | −18 55.9 | 1.362 | 2.299 | 12.7 | 19.6 |
| 6 30 | 15 42.95 | −19 36.1 | 1.426 | 2.297 | 16.7 | 19.9 |

**260309** 2004 $TX_{128}$ 5 25.7 306°.74 1°.1/25.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.10 | −18 33.0 | 2.114 | 2.968 | 12.2 | 20.2 |
| 5 1 | 16 28.69 | −18 21.4 | 2.019 | 2.948 | 9.2 | 20.0 |
| 5 11 | 16 22.32 | −18 7.3 | 1.947 | 2.929 | 5.7 | 19.7 |
| 5 21 | 16 14.56 | −17 51.8 | 1.901 | 2.909 | 2.0 | 19.5 |
| 5 31 | 16 6.22 | −17 36.6 | 1.882 | 2.890 | 2.6 | 19.5 |
| 6 10 | 15 58.24 | −17 24.0 | 1.891 | 2.871 | 6.4 | 19.7 |
| 6 20 | 15 51.45 | −17 16.0 | 1.924 | 2.853 | 10.1 | 19.8 |
| 6 30 | 15 46.54 | −17 14.8 | 1.981 | 2.834 | 13.4 | 20.0 |

**427551** 2002 $TM_{204}$ 5 25.7 250°.09 2°.6/24.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.53 | −15 13.2 | 1.928 | 2.777 | 13.4 | 22.2 |
| 5 1 | 16 32.92 | −14 52.9 | 1.832 | 2.758 | 10.1 | 22.0 |
| 5 11 | 16 25.01 | −14 31.9 | 1.760 | 2.739 | 6.5 | 21.7 |
| 5 21 | 16 15.46 | −14 12.1 | 1.714 | 2.719 | 3.0 | 21.5 |
| 5 31 | 16 5.18 | −13 55.7 | 1.695 | 2.699 | 3.8 | 21.5 |
| 6 10 | 15 55.30 | −13 45.4 | 1.704 | 2.678 | 7.7 | 21.6 |
| 6 20 | 15 46.78 | −13 43.4 | 1.738 | 2.656 | 11.6 | 21.8 |
| 6 30 | 15 40.42 | −13 51.1 | 1.794 | 2.633 | 15.2 | 22.0 |

**501660** 2014 $SJ_{336}$ 5 25.7 316°.36 7°.5/22.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.16 | −11 1.8 | 1.107 | 1.996 | 18.2 | 21.1 |
| 5 1 | 16 29.35 | − 9 36.8 | 1.029 | 1.973 | 14.2 | 20.7 |
| 5 11 | 16 23.39 | − 8 10.0 | 0.970 | 1.951 | 10.1 | 20.4 |
| 5 21 | 16 15.04 | − 6 49.5 | 0.932 | 1.929 | 7.5 | 20.2 |
| 5 31 | 16 5.64 | − 5 45.1 | 0.916 | 1.908 | 9.1 | 20.2 |
| 6 10 | 15 56.84 | − 5 4.9 | 0.921 | 1.888 | 13.5 | 20.4 |
| 6 20 | 15 50.07 | − 4 52.9 | 0.945 | 1.869 | 18.3 | 20.6 |
| 6 30 | 15 46.42 | − 5 9.2 | 0.985 | 1.851 | 22.8 | 20.8 |

**425213** 2009 $VH_{52}$ 5 25.7 227°.03 1°.0/26.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.10 | −24 0.0 | 1.830 | 2.677 | 14.1 | 22.3 |
| 5 1 | 16 32.68 | −24 5.3 | 1.749 | 2.673 | 10.7 | 22.0 |
| 5 11 | 16 24.87 | −24 4.0 | 1.690 | 2.669 | 6.7 | 21.8 |
| 5 21 | 16 15.40 | −23 55.8 | 1.657 | 2.665 | 2.5 | 21.5 |
| 5 31 | 16 5.32 | −23 41.4 | 1.650 | 2.660 | 2.5 | 21.5 |
| 6 10 | 15 55.82 | −23 23.3 | 1.671 | 2.655 | 6.7 | 21.7 |
| 6 20 | 15 47.92 | −23 4.8 | 1.716 | 2.651 | 10.8 | 22.0 |
| 6 30 | 15 42.37 | −22 49.5 | 1.784 | 2.646 | 14.3 | 22.2 |

**118344** 1999 $CS_{42}$ 5 25.7 164°.75 2°.6/24.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.84 | −14 31.4 | 2.209 | 3.053 | 12.1 | 20.8 |
| 5 1 | 16 31.86 | −14 4.7 | 2.136 | 3.059 | 9.1 | 20.6 |
| 5 11 | 16 24.05 | −13 38.0 | 2.087 | 3.064 | 5.8 | 20.4 |
| 5 21 | 16 15.07 | −13 13.1 | 2.065 | 3.069 | 2.9 | 20.2 |
| 5 31 | 16 5.74 | −12 52.5 | 2.071 | 3.073 | 3.6 | 20.3 |
| 6 10 | 15 56.96 | −12 38.3 | 2.106 | 3.076 | 6.8 | 20.5 |
| 6 20 | 15 49.47 | −12 32.2 | 2.167 | 3.078 | 10.0 | 20.7 |
| 6 30 | 15 43.85 | −12 35.0 | 2.251 | 3.080 | 12.8 | 20.9 |

**123405** 2000 $WD_{90}$ 5 25.7 324°.29 0°.5/25.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.38 | −19 47.7 | 1.640 | 2.495 | 15.0 | 18.7 |
| 5 1 | 16 33.98 | −20 31.6 | 1.559 | 2.488 | 11.4 | 18.4 |
| 5 11 | 16 25.87 | −21 15.5 | 1.501 | 2.482 | 7.1 | 18.2 |
| 5 21 | 16 15.79 | −21 57.6 | 1.467 | 2.476 | 2.4 | 17.9 |
| 5 31 | 16 4.88 | −22 36.5 | 1.460 | 2.470 | 2.6 | 17.9 |
| 6 10 | 15 54.48 | −23 11.9 | 1.480 | 2.465 | 7.4 | 18.1 |
| 6 20 | 15 45.78 | −23 44.7 | 1.524 | 2.459 | 11.8 | 18.4 |
| 6 30 | 15 39.68 | −24 16.8 | 1.590 | 2.455 | 15.5 | 18.6 |

**219585** 2001 $SB_{328}$ 5 25.7 189°.36 1°.9/24.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.82 | −16 37.2 | 2.067 | 2.913 | 12.7 | 21.1 |
| 5 1 | 16 32.07 | −16 19.8 | 1.987 | 2.913 | 9.5 | 20.9 |
| 5 11 | 16 24.30 | −16 1.0 | 1.932 | 2.911 | 5.9 | 20.7 |
| 5 21 | 16 15.19 | −15 42.4 | 1.903 | 2.910 | 2.5 | 20.5 |
| 5 31 | 16 5.63 | −15 26.0 | 1.902 | 2.907 | 3.1 | 20.5 |
| 6 10 | 15 56.59 | −15 13.9 | 1.929 | 2.905 | 6.8 | 20.7 |
| 6 20 | 15 48.91 | −15 8.3 | 1.981 | 2.901 | 10.3 | 21.0 |
| 6 30 | 15 43.24 | −15 10.5 | 2.057 | 2.897 | 13.5 | 21.2 |

**370441** 2002 $VH_{112}$ 5 25.7 308°.27 2°.8/27.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.94 | −31 19.9 | 1.397 | 2.249 | 17.3 | 19.7 |
| 5 1 | 16 32.10 | −30 39.2 | 1.296 | 2.220 | 13.6 | 19.4 |
| 5 11 | 16 25.06 | −29 36.2 | 1.215 | 2.191 | 9.2 | 19.0 |
| 5 21 | 16 15.60 | −28 9.8 | 1.157 | 2.162 | 4.5 | 18.7 |
| 5 31 | 16 5.10 | −26 22.6 | 1.124 | 2.133 | 3.6 | 18.5 |
| 6 10 | 15 55.21 | −24 22.8 | 1.116 | 2.105 | 8.5 | 18.7 |
| 6 20 | 15 47.40 | −22 21.7 | 1.131 | 2.078 | 13.9 | 18.9 |
| 6 30 | 15 42.70 | −20 30.2 | 1.167 | 2.051 | 18.7 | 19.2 |

**143327** 2003 $AV_{63}$ 5 25.7 297°.61 4°.9/23.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.06 | − 7 48.0 | 2.044 | 2.894 | 12.7 | 19.3 |
| 5 1 | 16 29.28 | − 7 22.7 | 1.965 | 2.886 | 9.9 | 19.1 |
| 5 11 | 16 22.62 | − 7 2.9 | 1.909 | 2.878 | 7.0 | 18.9 |
| 5 21 | 16 14.66 | − 6 51.4 | 1.878 | 2.870 | 5.0 | 18.8 |
| 5 31 | 16 6.24 | − 6 50.9 | 1.874 | 2.862 | 5.7 | 18.8 |
| 6 10 | 15 58.26 | − 7 2.9 | 1.897 | 2.854 | 8.4 | 18.9 |
| 6 20 | 15 51.51 | − 7 27.5 | 1.944 | 2.846 | 11.4 | 19.1 |
| 6 30 | 15 46.62 | − 8 4.1 | 2.012 | 2.838 | 14.2 | 19.3 |

**276893** 2004 $RS_{343}$ 5 25.7 240°.38 2°.1/25.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.82 | −14 20.1 | 1.890 | 2.739 | 13.6 | 20.5 |
| 5 1 | 16 33.08 | −14 33.6 | 1.808 | 2.734 | 10.2 | 20.2 |
| 5 11 | 16 25.08 | −14 49.7 | 1.750 | 2.729 | 6.5 | 20.0 |
| 5 21 | 16 15.50 | −15 9.0 | 1.717 | 2.724 | 2.8 | 19.7 |
| 5 31 | 16 5.30 | −15 31.8 | 1.713 | 2.719 | 3.4 | 19.8 |
| 6 10 | 15 55.58 | −15 58.9 | 1.735 | 2.713 | 7.2 | 20.0 |
| 6 20 | 15 47.31 | −16 30.7 | 1.784 | 2.708 | 11.1 | 20.2 |
| 6 30 | 15 41.23 | −17 7.5 | 1.855 | 2.702 | 14.4 | 20.4 |

**182869** 2002 $CL_{206}$ 5 25.7 261°.94 5°.3/22.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.64 | − 5 42.4 | 2.392 | 3.234 | 11.3 | 20.2 |
| 5 1 | 16 27.96 | − 5 2.3 | 2.311 | 3.225 | 8.9 | 20.1 |
| 5 11 | 16 21.68 | − 4 27.5 | 2.255 | 3.215 | 6.7 | 19.9 |
| 5 21 | 16 14.34 | − 4 1.2 | 2.225 | 3.206 | 5.3 | 19.8 |
| 5 31 | 16 6.63 | − 3 46.4 | 2.221 | 3.196 | 6.0 | 19.8 |
| 6 10 | 15 59.29 | − 3 44.7 | 2.245 | 3.187 | 8.1 | 19.9 |
| 6 20 | 15 52.99 | − 3 56.7 | 2.293 | 3.177 | 10.7 | 20.1 |
| 6 30 | 15 48.25 | − 4 21.7 | 2.363 | 3.167 | 13.1 | 20.2 |

**212942** 2008 $YC_{30}$ 5 25.7 69°.31 1°.7/25.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.16 | −18 2.2 | 1.293 | 2.161 | 17.4 | 20.2 |
| 5 1 | 16 34.54 | −17 49.6 | 1.243 | 2.179 | 13.0 | 20.0 |
| 5 11 | 16 26.06 | −17 34.6 | 1.213 | 2.197 | 8.0 | 19.8 |
| 5 21 | 16 15.78 | −17 18.9 | 1.207 | 2.215 | 2.9 | 19.5 |
| 5 31 | 16 5.11 | −17 5.0 | 1.225 | 2.234 | 3.6 | 19.6 |
| 6 10 | 15 55.54 | −16 56.2 | 1.268 | 2.252 | 8.6 | 20.0 |
| 6 20 | 15 48.18 | −16 54.8 | 1.335 | 2.270 | 13.1 | 20.3 |
| 6 30 | 15 43.73 | −17 2.7 | 1.421 | 2.288 | 16.9 | 20.6 |

**497087** 2003 $WG_{165}$ 5 25.7 222°.80 0°.4/25.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.23 | −21 17.4 | 1.861 | 2.708 | 13.9 | 22.5 |
| 5 1 | 16 33.50 | −21 2.0 | 1.774 | 2.699 | 10.5 | 22.3 |
| 5 11 | 16 25.39 | −20 40.9 | 1.710 | 2.690 | 6.5 | 22.0 |
| 5 21 | 16 15.62 | −20 15.0 | 1.671 | 2.680 | 2.1 | 21.7 |
| 5 31 | 16 5.22 | −19 46.1 | 1.660 | 2.670 | 2.5 | 21.7 |
| 6 10 | 15 55.37 | −19 17.4 | 1.677 | 2.659 | 7.0 | 22.0 |
| 6 20 | 15 47.06 | −18 52.4 | 1.719 | 2.647 | 11.1 | 22.2 |
| 6 30 | 15 41.06 | −18 34.4 | 1.783 | 2.635 | 14.7 | 22.4 |

**423977** 2006 $VK_{4}$ 5 25.7 175°.56 0°.6/25.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.52 | −23 50.2 | 2.104 | 2.941 | 12.9 | 22.2 |
| 5 1 | 16 33.37 | −23 40.3 | 2.025 | 2.944 | 9.7 | 22.0 |
| 5 11 | 16 25.12 | −23 23.7 | 1.969 | 2.946 | 6.1 | 21.8 |
| 5 21 | 16 15.49 | −23 0.6 | 1.939 | 2.948 | 2.1 | 21.5 |
| 5 31 | 16 5.41 | −22 32.5 | 1.938 | 2.948 | 2.1 | 21.5 |
| 6 10 | 15 55.94 | −22 2.2 | 1.966 | 2.949 | 6.1 | 21.8 |
| 6 20 | 15 47.92 | −21 33.1 | 2.020 | 2.948 | 9.7 | 22.0 |
| 6 30 | 15 42.01 | −21 8.5 | 2.097 | 2.947 | 12.9 | 22.2 |

**140672** 2001 $UH_{50}$ 5 25.7 232°.19 2°.9/24.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.60 | −12 18.0 | 2.384 | 3.230 | 11.2 | 19.8 |
| 5 1 | 16 29.47 | −12 3.1 | 2.300 | 3.223 | 8.5 | 19.6 |
| 5 11 | 16 22.64 | −11 50.1 | 2.241 | 3.216 | 5.6 | 19.4 |
| 5 21 | 16 14.68 | −11 40.8 | 2.208 | 3.209 | 3.2 | 19.3 |
| 5 31 | 16 6.31 | −11 37.0 | 2.203 | 3.202 | 3.8 | 19.3 |
| 6 10 | 15 58.32 | −11 40.1 | 2.227 | 3.195 | 6.6 | 19.5 |
| 6 20 | 15 51.42 | −11 51.0 | 2.276 | 3.187 | 9.6 | 19.6 |
| 6 30 | 15 46.18 | −12 10.1 | 2.349 | 3.179 | 12.3 | 19.8 |

**31780** 1999 $JB_{136}$ 5 25.7 52°.65 4°.9/27.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.31 | −34 11.7 | 2.089 | 2.905 | 13.7 | 18.1 |
| 5 1 | 16 32.80 | −34 49.2 | 2.012 | 2.908 | 11.0 | 17.9 |
| 5 11 | 16 24.94 | −35 14.9 | 1.958 | 2.911 | 8.0 | 17.7 |
| 5 21 | 16 15.47 | −35 25.8 | 1.928 | 2.914 | 5.5 | 17.6 |
| 5 31 | 16 5.42 | −35 21.1 | 1.925 | 2.917 | 5.1 | 17.6 |
| 6 10 | 15 55.98 | −35 2.5 | 1.948 | 2.920 | 7.1 | 17.7 |
| 6 20 | 15 48.11 | −34 33.8 | 1.997 | 2.923 | 9.9 | 17.9 |
| 6 30 | 15 42.57 | −34 0.2 | 2.069 | 2.927 | 12.7 | 18.1 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **119592** 2001 $VJ_{125}$ | | | 5 25.7 | 76°.32 | 6°.7/22.8 | 18 |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.76 | − 6 35.0 | 1.665 | 2.520 | 14.8 | 19.3 |
| 5 1 | 16 30.64 | − 5 30.6 | 1.613 | 2.535 | 11.6 | 19.2 |
| 5 11 | 16 23.43 | − 4 33.2 | 1.584 | 2.549 | 8.5 | 19.0 |
| 5 21 | 16 14.91 | − 3 47.9 | 1.579 | 2.563 | 6.8 | 18.9 |
| 5 31 | 16 6.13 | − 3 19.2 | 1.599 | 2.577 | 7.6 | 19.0 |
| 6 10 | 15 58.11 | − 3 9.5 | 1.645 | 2.591 | 10.2 | 19.2 |
| 6 20 | 15 51.68 | − 3 18.6 | 1.713 | 2.605 | 13.2 | 19.4 |
| 6 30 | 15 47.43 | − 3 44.9 | 1.802 | 2.619 | 16.0 | 19.6 |
| **422384** 2014 $SJ_{264}$ | | | 5 25.7 | 92°.76 | 3°.2/26.8 | 17 |
| 4 21 | 16 41.32 | −28 29.8 | 1.503 | 2.349 | 16.6 | 21.2 |
| 5 1 | 16 35.48 | −28 48.0 | 1.440 | 2.360 | 12.8 | 21.0 |
| 5 11 | 16 26.73 | −28 54.6 | 1.398 | 2.371 | 8.5 | 20.8 |
| 5 21 | 16 16.06 | −28 47.7 | 1.380 | 2.383 | 4.3 | 20.6 |
| 5 31 | 16 4.83 | −28 27.6 | 1.387 | 2.394 | 3.8 | 20.6 |
| 6 10 | 15 54.57 | −27 57.9 | 1.420 | 2.404 | 7.7 | 20.8 |
| 6 20 | 15 46.45 | −27 24.0 | 1.477 | 2.415 | 11.9 | 21.1 |
| 6 30 | 15 41.25 | −26 51.6 | 1.555 | 2.426 | 15.5 | 21.3 |
| **37240** 2000 $WP_{171}$ | | | 5 25.7 | 133°.01 | 3°.9/24.5 | 18 |
| 4 21 | 16 38.33 | − 9 52.1 | 1.949 | 2.795 | 13.3 | 19.1 |
| 5 1 | 16 32.46 | − 9 47.6 | 1.880 | 2.802 | 10.2 | 18.9 |
| 5 11 | 16 24.56 | − 9 48.3 | 1.835 | 2.808 | 6.8 | 18.7 |
| 5 21 | 16 15.31 | − 9 55.9 | 1.815 | 2.814 | 4.2 | 18.5 |
| 5 31 | 16 5.65 | −10 11.7 | 1.823 | 2.819 | 4.8 | 18.6 |
| 6 10 | 15 56.58 | −10 36.7 | 1.858 | 2.825 | 7.8 | 18.8 |
| 6 20 | 15 48.93 | −11 10.4 | 1.919 | 2.830 | 11.1 | 19.0 |
| 6 30 | 15 43.33 | −11 52.4 | 2.002 | 2.835 | 14.1 | 19.2 |
| **397769** 2008 $GW_{91}$ | | | 5 25.7 | 71°.75 | 0°.1/25.8 | 15 |
| 4 21 | 16 34.33 | −22 1.6 | 2.270 | 3.115 | 11.8 | 21.8 |
| 5 1 | 16 29.32 | −21 55.6 | 2.199 | 3.123 | 8.8 | 21.6 |
| 5 11 | 16 22.54 | −21 45.2 | 2.151 | 3.131 | 5.4 | 21.4 |
| 5 21 | 16 14.64 | −21 30.8 | 2.131 | 3.140 | 1.8 | 21.1 |
| 5 31 | 16 6.41 | −21 14.0 | 2.138 | 3.148 | 1.9 | 21.2 |
| 6 10 | 15 58.71 | −20 56.7 | 2.173 | 3.157 | 5.5 | 21.4 |
| 6 20 | 15 52.26 | −20 41.3 | 2.235 | 3.165 | 8.8 | 21.6 |
| 6 30 | 15 47.60 | −20 30.1 | 2.320 | 3.174 | 11.7 | 21.8 |
| **506324** 2017 $OU_{9}$ | | | 5 25.7 | 310°.33 | 1°.3/26.3 | 17 |
| 4 21 | 16 35.87 | −26 44.0 | 1.220 | 2.090 | 18.2 | 20.9 |
| 5 1 | 16 32.15 | −26 13.1 | 1.139 | 2.075 | 14.0 | 20.6 |
| 5 11 | 16 25.11 | −25 26.1 | 1.078 | 2.061 | 9.0 | 20.2 |
| 5 21 | 16 15.64 | −24 23.3 | 1.038 | 2.047 | 3.4 | 19.9 |
| 5 31 | 16 5.24 | −23 8.4 | 1.023 | 2.033 | 3.2 | 19.8 |
| 6 10 | 15 55.63 | −21 49.1 | 1.030 | 2.020 | 8.9 | 20.1 |
| 6 20 | 15 48.27 | −20 34.2 | 1.060 | 2.008 | 14.4 | 20.4 |
| 6 30 | 15 44.17 | −19 31.3 | 1.108 | 1.996 | 19.2 | 20.6 |
| **33162** 1998 $DT_{35}$ | | | 5 25.7 | 200°.77 | 0°.7/26.0 | 18 |
| 4 21 | 16 37.95 | −23 51.8 | 2.096 | 2.935 | 12.8 | 19.5 |
| 5 1 | 16 32.28 | −23 44.8 | 2.012 | 2.932 | 9.7 | 19.3 |
| 5 11 | 16 24.51 | −23 31.3 | 1.951 | 2.929 | 6.1 | 19.1 |
| 5 21 | 16 15.33 | −23 11.4 | 1.917 | 2.925 | 2.2 | 18.8 |
| 5 31 | 16 5.65 | −22 46.3 | 1.911 | 2.921 | 2.2 | 18.8 |
| 6 10 | 15 56.50 | −22 18.9 | 1.933 | 2.916 | 6.1 | 19.0 |
| 6 20 | 15 48.76 | −21 52.2 | 1.981 | 2.911 | 9.8 | 19.2 |
| 6 30 | 15 43.09 | −21 29.7 | 2.053 | 2.906 | 13.0 | 19.4 |
| **263853** 2009 $BC_{124}$ | | | 5 25.7 | 358°.93 | 8°.1/23.0 | 17 |
| 4 21 | 16 33.50 | − 7 22.3 | 1.142 | 2.023 | 18.3 | 20.1 |
| 5 1 | 16 29.97 | − 6 17.9 | 1.084 | 2.021 | 14.4 | 19.8 |
| 5 11 | 16 23.52 | − 5 21.4 | 1.045 | 2.019 | 10.5 | 19.6 |
| 5 21 | 16 15.06 | − 4 40.0 | 1.027 | 2.018 | 8.2 | 19.5 |
| 5 31 | 16 5.97 | − 4 20.1 | 1.032 | 2.018 | 9.3 | 19.5 |
| 6 10 | 15 57.74 | − 4 25.2 | 1.058 | 2.019 | 12.8 | 19.7 |
| 6 20 | 15 51.57 | − 4 54.7 | 1.103 | 2.021 | 16.8 | 19.9 |
| 6 30 | 15 48.30 | − 5 45.6 | 1.166 | 2.024 | 20.4 | 20.2 |
| **129153** 2005 $EL_{140}$ | | | 5 25.7 | 241°.51 | 5°.9/19.1 | 18 |
| 4 21 | 16 25.79 | + 9 13.4 | 4.432 | 5.215 | 7.5 | 19.8 |
| 5 1 | 16 22.24 | +10 0.6 | 4.372 | 5.214 | 6.6 | 19.7 |
| 5 11 | 16 17.92 | +10 39.3 | 4.336 | 5.214 | 6.0 | 19.6 |
| 5 21 | 16 13.11 | +11 7.6 | 4.325 | 5.213 | 5.9 | 19.6 |
| 5 31 | 16 8.16 | +11 23.7 | 4.340 | 5.213 | 6.2 | 19.7 |
| 6 10 | 16 3.41 | +11 27.1 | 4.379 | 5.213 | 7.0 | 19.7 |
| 6 20 | 15 59.19 | +11 17.9 | 4.442 | 5.212 | 7.9 | 19.8 |
| 6 30 | 15 55.76 | +10 57.0 | 4.525 | 5.212 | 8.9 | 19.9 |
| **357492** 2004 $NL_{7}$ | | | 5 25.7 | 321°.71 | 7°.4/23.3 | 17 |
| 4 21 | 16 31.91 | −10 4.6 | 1.040 | 1.931 | 18.8 | 20.3 |
| 5 1 | 16 29.43 | − 9 6.6 | 0.961 | 1.907 | 14.8 | 19.9 |
| 5 11 | 16 23.62 | − 8 11.2 | 0.901 | 1.883 | 10.5 | 19.6 |
| 5 21 | 16 15.23 | − 7 25.9 | 0.861 | 1.860 | 7.5 | 19.4 |
| 5 31 | 16 5.64 | − 6 58.5 | 0.842 | 1.838 | 8.9 | 19.3 |
| 6 10 | 15 56.58 | − 6 55.1 | 0.843 | 1.817 | 13.4 | 19.5 |
| 6 20 | 15 49.63 | − 7 17.8 | 0.863 | 1.797 | 18.5 | 19.7 |
| 6 30 | 15 45.97 | − 8 5.3 | 0.898 | 1.779 | 23.2 | 19.9 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **343707** 2011 $ET_{17}$ | | | 5 25.7 | 286°.92 | 2°.4/24.5 | 18 |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.26 | −18 12.1 | 1.769 | 2.626 | 14.0 | 19.5 |
| 5 1 | 16 31.54 | −17 22.3 | 1.665 | 2.596 | 10.6 | 19.3 |
| 5 11 | 16 24.36 | −16 25.9 | 1.583 | 2.565 | 6.7 | 18.9 |
| 5 21 | 16 15.37 | −15 25.5 | 1.527 | 2.535 | 2.9 | 18.6 |
| 5 31 | 16 5.53 | −14 25.3 | 1.498 | 2.503 | 4.0 | 18.6 |
| 6 10 | 15 56.05 | −13 30.6 | 1.496 | 2.472 | 8.3 | 18.8 |
| 6 20 | 15 48.00 | −12 46.1 | 1.518 | 2.440 | 12.7 | 19.0 |
| 6 30 | 15 42.25 | −12 15.3 | 1.561 | 2.408 | 16.7 | 19.2 |
| **177087** 2003 $FY_{69}$ | | | 5 25.7 | 38°.34 | 2°.3/24.8 | 17 |
| 4 21 | 16 34.08 | −14 53.9 | 2.025 | 2.879 | 12.6 | 20.1 |
| 5 1 | 16 29.27 | −14 40.9 | 1.956 | 2.885 | 9.4 | 19.9 |
| 5 11 | 16 22.59 | −14 28.5 | 1.911 | 2.891 | 5.9 | 19.7 |
| 5 21 | 16 14.68 | −14 18.3 | 1.891 | 2.897 | 2.8 | 19.5 |
| 5 31 | 16 6.41 | −14 12.2 | 1.900 | 2.904 | 3.4 | 19.5 |
| 6 10 | 15 58.69 | −14 11.9 | 1.935 | 2.910 | 6.8 | 19.8 |
| 6 20 | 15 52.29 | −14 18.6 | 1.995 | 2.917 | 10.1 | 20.0 |
| 6 30 | 15 47.78 | −14 33.0 | 2.077 | 2.924 | 13.1 | 20.2 |
| **396544** 1996 $BJ_{9}$ | | | 5 25.7 | 76°.95 | 2°.7/24.4 | 17 |
| 4 21 | 16 33.67 | −13 52.4 | 2.271 | 3.121 | 11.6 | 22.0 |
| 5 1 | 16 28.69 | −13 25.9 | 2.209 | 3.135 | 8.7 | 21.8 |
| 5 11 | 16 22.09 | −13 0.2 | 2.170 | 3.148 | 5.5 | 21.6 |
| 5 21 | 16 14.49 | −12 37.4 | 2.159 | 3.162 | 3.0 | 21.5 |
| 5 31 | 16 6.64 | −12 19.6 | 2.175 | 3.175 | 3.6 | 21.5 |
| 6 10 | 15 59.34 | −12 8.8 | 2.219 | 3.189 | 6.5 | 21.7 |
| 6 20 | 15 53.22 | −12 6.2 | 2.289 | 3.202 | 9.4 | 21.9 |
| 6 30 | 15 48.79 | −12 12.3 | 2.381 | 3.216 | 12.0 | 22.1 |
| **504670** 2009 $BB_{190}$ | | | 5 25.7 | 53°.86 | 3°.6/24.1 | 17 |
| 4 21 | 16 34.01 | −12 16.7 | 2.036 | 2.890 | 12.5 | 21.3 |
| 5 1 | 16 29.20 | −11 44.1 | 1.965 | 2.892 | 9.5 | 21.1 |
| 5 11 | 16 22.54 | −11 13.2 | 1.917 | 2.893 | 6.3 | 20.9 |
| 5 21 | 16 14.68 | −10 46.6 | 1.895 | 2.895 | 3.8 | 20.8 |
| 5 31 | 16 6.44 | −10 27.3 | 1.900 | 2.897 | 4.5 | 20.8 |
| 6 10 | 15 58.73 | −10 17.4 | 1.932 | 2.899 | 7.5 | 21.0 |
| 6 20 | 15 52.31 | −10 18.1 | 1.989 | 2.901 | 10.7 | 21.2 |
| 6 30 | 15 47.75 | −10 29.9 | 2.068 | 2.903 | 13.6 | 21.4 |
| **122801** 2000 $SS_{96}$ | | | 5 25.7 | 214°.96 | 3°.2/27.3 | 18 |
| 4 21 | 16 38.41 | −31 15.4 | 1.920 | 2.749 | 14.2 | 20.2 |
| 5 1 | 16 32.92 | −31 9.8 | 1.837 | 2.746 | 11.1 | 20.0 |
| 5 11 | 16 25.03 | −30 51.1 | 1.776 | 2.743 | 7.6 | 19.8 |
| 5 21 | 16 15.52 | −30 18.3 | 1.740 | 2.740 | 4.2 | 19.6 |
| 5 31 | 16 5.48 | −29 32.3 | 1.731 | 2.736 | 3.6 | 19.5 |
| 6 10 | 15 56.12 | −28 37.1 | 1.750 | 2.732 | 6.7 | 19.7 |
| 6 20 | 15 48.42 | −27 38.0 | 1.793 | 2.728 | 10.3 | 19.9 |
| 6 30 | 15 43.11 | −26 40.7 | 1.860 | 2.724 | 13.7 | 20.1 |
| **46820** 1998 $MK_{28}$ | | | 5 25.7 | 308°.71 | 0°.4/25.9 | 18 |
| 4 21 | 16 35.50 | −23 17.1 | 1.373 | 2.241 | 16.6 | 19.0 |
| 5 1 | 16 31.61 | −23 5.1 | 1.286 | 2.222 | 12.7 | 18.7 |
| 5 11 | 16 24.70 | −22 44.1 | 1.219 | 2.203 | 8.0 | 18.4 |
| 5 21 | 16 15.53 | −22 14.4 | 1.175 | 2.184 | 2.7 | 18.0 |
| 5 31 | 16 5.40 | −21 38.2 | 1.155 | 2.166 | 2.9 | 18.0 |
| 6 10 | 15 55.83 | −21 0.0 | 1.160 | 2.148 | 8.4 | 18.3 |
| 6 20 | 15 48.18 | −20 25.1 | 1.186 | 2.130 | 13.6 | 18.5 |
| 6 30 | 15 43.48 | −19 58.6 | 1.233 | 2.114 | 18.1 | 18.7 |
| **321852** 2010 $RR_{124}$ | | | 5 25.7 | 82°.76 | 2°.8/24.7 | 17 |
| 4 21 | 16 38.12 | −16 2.9 | 1.491 | 2.354 | 15.8 | 20.9 |
| 5 1 | 16 32.79 | −15 32.5 | 1.431 | 2.365 | 11.8 | 20.7 |
| 5 11 | 16 24.95 | −15 1.1 | 1.393 | 2.376 | 7.4 | 20.4 |
| 5 21 | 16 15.48 | −14 31.3 | 1.380 | 2.386 | 3.4 | 20.2 |
| 5 31 | 16 5.60 | −14 6.5 | 1.392 | 2.397 | 4.2 | 20.3 |
| 6 10 | 15 56.58 | −13 50.1 | 1.430 | 2.408 | 8.4 | 20.6 |
| 6 20 | 15 49.43 | −13 44.2 | 1.491 | 2.418 | 12.6 | 20.8 |
| 6 30 | 15 44.84 | −13 49.9 | 1.573 | 2.429 | 16.1 | 21.1 |
| **396388** 2014 $DX_{119}$ | | | 5 25.7 | 319°.40 | 4°.8/27.6 | 16 |
| 4 21 | 16 37.87 | −33 52.1 | 2.095 | 2.913 | 13.6 | 20.9 |
| 5 1 | 16 32.55 | −34 31.0 | 2.012 | 2.909 | 10.9 | 20.7 |
| 5 11 | 16 24.86 | −34 58.7 | 1.952 | 2.906 | 8.0 | 20.5 |
| 5 21 | 16 15.50 | −35 12.3 | 1.916 | 2.902 | 5.5 | 20.4 |
| 5 31 | 16 5.50 | −35 10.4 | 1.906 | 2.899 | 5.0 | 20.3 |
| 6 10 | 15 56.02 | −34 54.5 | 1.924 | 2.896 | 7.1 | 20.5 |
| 6 20 | 15 48.08 | −34 28.4 | 1.967 | 2.893 | 10.0 | 20.6 |
| 6 30 | 15 42.45 | −33 56.9 | 2.032 | 2.890 | 12.9 | 20.8 |
| **497698** 2006 $SO_{75}$ | | | 5 25.7 | 107°.88 | 7°.5/20.2 | 17 |
| 4 21 | 16 33.16 | + 1 26.2 | 2.553 | 3.374 | 11.3 | 21.4 |
| 5 1 | 16 28.06 | + 2 55.5 | 2.506 | 3.391 | 9.5 | 21.3 |
| 5 11 | 16 21.60 | + 4 15.3 | 2.483 | 3.408 | 8.0 | 21.2 |
| 5 21 | 16 14.33 | + 5 21.0 | 2.487 | 3.425 | 7.5 | 21.2 |
| 5 31 | 16 6.89 | + 6 8.9 | 2.517 | 3.441 | 8.1 | 21.3 |
| 6 10 | 15 59.96 | + 6 37.3 | 2.573 | 3.457 | 9.6 | 21.4 |
| 6 20 | 15 54.06 | + 6 46.3 | 2.652 | 3.472 | 11.3 | 21.5 |
| 6 30 | 15 49.63 | + 6 37.5 | 2.751 | 3.487 | 13.0 | 21.7 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **504757** 2009 $WM_{75}$ | | | 5 25.7 234°.67 | | 1°.6/24.9 17 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.72 | −19 10.7 | 2.025 | 2.874 | 12.8 | 22.1 |
| 5 1 | 16 31.40 | −18 29.5 | 1.936 | 2.863 | 9.6 | 21.9 |
| 5 11 | 16 24.01 | −17 43.2 | 1.871 | 2.852 | 6.0 | 21.6 |
| 5 21 | 16 15.20 | −16 53.7 | 1.832 | 2.840 | 2.3 | 21.3 |
| 5 31 | 16 5.87 | −16 4.4 | 1.821 | 2.828 | 3.1 | 21.4 |
| 6 10 | 15 57.05 | −15 19.2 | 1.838 | 2.816 | 6.9 | 21.6 |
| 6 20 | 15 49.58 | −14 41.6 | 1.881 | 2.803 | 10.7 | 21.8 |
| 6 30 | 15 44.15 | −14 14.4 | 1.946 | 2.789 | 14.0 | 22.0 |
| **313071** 2000 $SA_{224}$ | | | 5 25.7 189°.20 | | 2°.0/24.8 16 | |
| 4 21 | 16 39.33 | −17 43.7 | 1.848 | 2.697 | 13.8 | 21.8 |
| 5 1 | 16 33.43 | −17 8.5 | 1.769 | 2.696 | 10.4 | 21.6 |
| 5 11 | 16 25.28 | −16 29.8 | 1.715 | 2.695 | 6.5 | 21.3 |
| 5 21 | 16 15.61 | −15 49.9 | 1.686 | 2.693 | 2.7 | 21.1 |
| 5 31 | 16 5.46 | −15 11.8 | 1.685 | 2.691 | 3.5 | 21.1 |
| 6 10 | 15 55.93 | −14 39.1 | 1.711 | 2.687 | 7.5 | 21.4 |
| 6 20 | 15 47.96 | −14 15.1 | 1.763 | 2.683 | 11.4 | 21.6 |
| 6 30 | 15 42.25 | −14 1.8 | 1.836 | 2.679 | 14.8 | 21.8 |
| **486021** 2012 $SQ_{49}$ | | | 5 25.7 322°.75 | | 6°.0/18.6 18 | |
| 4 21 | 16 25.99 | + 8 40.2 | 4.308 | 5.094 | 7.7 | 21.0 |
| 5 1 | 16 22.42 | + 9 38.6 | 4.248 | 5.093 | 6.8 | 20.9 |
| 5 11 | 16 18.06 | +10 28.7 | 4.213 | 5.092 | 6.1 | 20.8 |
| 5 21 | 16 13.19 | +11 8.1 | 4.203 | 5.092 | 6.0 | 20.8 |
| 5 31 | 16 8.18 | +11 35.1 | 4.219 | 5.091 | 6.4 | 20.9 |
| 6 10 | 16 3.37 | +11 48.8 | 4.260 | 5.090 | 7.2 | 20.9 |
| 6 20 | 15 59.10 | +11 49.2 | 4.323 | 5.090 | 8.1 | 21.0 |
| 6 30 | 15 55.64 | +11 37.0 | 4.406 | 5.089 | 9.1 | 21.1 |
| **216241** Renzopiano | | | 5 25.7 327°.29 | | 3°.9/27.7 18 | |
| 4 21 | 16 36.13 | −33 11.4 | 2.114 | 2.935 | 13.3 | 20.1 |
| 5 1 | 16 31.10 | −33 19.9 | 2.031 | 2.933 | 10.6 | 19.9 |
| 5 11 | 16 23.87 | −33 16.0 | 1.970 | 2.930 | 7.5 | 19.7 |
| 5 21 | 16 15.16 | −32 58.0 | 1.935 | 2.928 | 4.7 | 19.6 |
| 5 31 | 16 5.96 | −32 26.4 | 1.926 | 2.925 | 4.1 | 19.5 |
| 6 10 | 15 57.34 | −31 43.9 | 1.944 | 2.923 | 6.5 | 19.7 |
| 6 20 | 15 50.23 | −30 54.9 | 1.988 | 2.921 | 9.6 | 19.9 |
| 6 30 | 15 45.29 | −30 4.7 | 2.055 | 2.919 | 12.6 | 20.0 |
| **318201** 2004 $RW_{139}$ | | | 5 25.7 309°.69 | | 1°.8/25.1 15 | |
| 4 21 | 16 34.74 | −18 13.1 | 1.507 | 2.375 | 15.4 | 21.0 |
| 5 1 | 16 30.76 | −17 55.5 | 1.415 | 2.351 | 11.7 | 20.7 |
| 5 11 | 16 24.07 | −17 34.3 | 1.344 | 2.328 | 7.3 | 20.4 |
| 5 21 | 16 15.34 | −17 11.4 | 1.297 | 2.306 | 2.8 | 20.1 |
| 5 31 | 16 5.69 | −16 49.3 | 1.275 | 2.283 | 3.6 | 20.1 |
| 6 10 | 15 56.48 | −16 31.8 | 1.278 | 2.261 | 8.5 | 20.3 |
| 6 20 | 15 48.92 | −16 22.1 | 1.303 | 2.240 | 13.3 | 20.5 |
| 6 30 | 15 43.97 | −16 22.9 | 1.349 | 2.219 | 17.5 | 20.7 |
| **414029** 2007 $OK_{1}$ | | | 5 25.7 324°.10 | | 8°.9/22.2 17 | |
| 4 21 | 16 30.81 | − 8 22.9 | 1.052 | 1.943 | 18.7 | 20.3 |
| 5 1 | 16 28.49 | − 7 0.7 | 0.976 | 1.919 | 14.9 | 20.0 |
| 5 11 | 16 22.99 | − 5 40.9 | 0.918 | 1.896 | 11.1 | 19.7 |
| 5 21 | 16 15.05 | − 4 32.8 | 0.881 | 1.873 | 8.9 | 19.5 |
| 5 31 | 16 6.01 | − 3 46.1 | 0.864 | 1.852 | 10.4 | 19.5 |
| 6 10 | 15 57.55 | − 3 28.0 | 0.868 | 1.832 | 14.5 | 19.6 |
| 6 20 | 15 51.13 | − 3 41.1 | 0.889 | 1.813 | 19.2 | 19.8 |
| 6 30 | 15 47.88 | − 4 23.7 | 0.926 | 1.796 | 23.5 | 20.0 |
| **457707** 2009 $FJ_{14}$ | | | 5 25.7 25°.66 | | 19°.7/ 2.1 17 | |
| 4 21 | 16 51.38 | −56 13.1 | 1.199 | 1.950 | 25.2 | 20.8 |
| 5 1 | 16 47.11 | −59 1.7 | 1.156 | 1.959 | 23.3 | 20.7 |
| 5 11 | 16 36.25 | −61 16.3 | 1.127 | 1.969 | 21.6 | 20.6 |
| 5 21 | 16 19.74 | −62 41.9 | 1.114 | 1.980 | 20.3 | 20.5 |
| 5 31 | 16 0.69 | −63 8.1 | 1.116 | 1.992 | 19.7 | 20.5 |
| 6 10 | 15 43.49 | −62 36.0 | 1.135 | 2.005 | 20.0 | 20.6 |
| 6 20 | 15 31.60 | −61 17.5 | 1.169 | 2.019 | 20.9 | 20.7 |
| 6 30 | 15 26.54 | −59 29.6 | 1.218 | 2.034 | 22.2 | 20.8 |
| **107769** 2001 $FW_{41}$ | | | 5 25.7 118°.65 | | 0°.7/25.9 17 | |
| 4 21 | 16 40.46 | −23 22.6 | 1.687 | 2.535 | 15.0 | 20.2 |
| 5 1 | 16 34.44 | −23 20.0 | 1.622 | 2.547 | 11.3 | 20.0 |
| 5 11 | 16 25.95 | −23 10.5 | 1.579 | 2.559 | 7.0 | 19.8 |
| 5 21 | 16 15.83 | −22 54.1 | 1.561 | 2.570 | 2.4 | 19.5 |
| 5 31 | 16 5.29 | −22 32.3 | 1.570 | 2.581 | 2.5 | 19.5 |
| 6 10 | 15 55.56 | −22 8.4 | 1.606 | 2.591 | 7.0 | 19.8 |
| 6 20 | 15 47.66 | −21 46.1 | 1.667 | 2.601 | 11.1 | 20.1 |
| 6 30 | 15 42.27 | −21 28.8 | 1.750 | 2.610 | 14.6 | 20.3 |
| **311179** 2004 $VR_{33}$ | | | 5 25.7 265°.15 | | 1°.1/25.4 17 | |
| 4 21 | 16 40.12 | −18 41.7 | 1.549 | 2.406 | 15.6 | 21.1 |
| 5 1 | 16 34.80 | −18 40.9 | 1.456 | 2.387 | 11.9 | 20.8 |
| 5 11 | 16 26.58 | −18 37.8 | 1.386 | 2.368 | 7.4 | 20.5 |
| 5 21 | 16 16.17 | −18 32.6 | 1.339 | 2.349 | 2.6 | 20.2 |
| 5 31 | 16 4.77 | −18 26.9 | 1.319 | 2.328 | 3.2 | 20.2 |
| 6 10 | 15 53.80 | −18 23.0 | 1.325 | 2.308 | 8.3 | 20.4 |
| 6 20 | 15 44.56 | −18 23.6 | 1.355 | 2.287 | 13.2 | 20.6 |
| 6 30 | 15 38.07 | −18 31.6 | 1.405 | 2.266 | 17.4 | 20.8 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **87561** 2000 $RM_{4}$ | | | 5 25.7 245°.16 | | 0°.4/25.9 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.99 | −22 27.2 | 2.315 | 3.150 | 11.9 | 20.0 |
| 5 1 | 16 33.08 | −22 31.7 | 2.212 | 3.131 | 9.0 | 19.8 |
| 5 11 | 16 25.09 | −22 31.8 | 2.133 | 3.111 | 5.7 | 19.6 |
| 5 21 | 16 15.60 | −22 27.1 | 2.081 | 3.090 | 2.0 | 19.3 |
| 5 31 | 16 5.45 | −22 18.3 | 2.058 | 3.068 | 2.1 | 19.2 |
| 6 10 | 15 55.62 | −22 6.8 | 2.064 | 3.046 | 5.9 | 19.5 |
| 6 20 | 15 46.98 | −21 55.2 | 2.097 | 3.023 | 9.5 | 19.6 |
| 6 30 | 15 40.25 | −21 46.3 | 2.153 | 2.999 | 12.7 | 19.8 |
| **363710** 2004 $TL_{360}$ | | | 5 25.7 215°.52 | | 0°.6/25.5 17 | |
| 4 21 | 16 39.45 | −22 16.9 | 1.636 | 2.488 | 15.2 | 20.9 |
| 5 1 | 16 33.90 | −21 42.2 | 1.555 | 2.483 | 11.4 | 20.6 |
| 5 11 | 16 25.76 | −20 59.0 | 1.496 | 2.477 | 7.1 | 20.4 |
| 5 21 | 16 15.82 | −20 8.7 | 1.462 | 2.471 | 2.3 | 20.0 |
| 5 31 | 16 5.27 | −19 15.0 | 1.455 | 2.465 | 2.8 | 20.1 |
| 6 10 | 15 55.42 | −18 22.7 | 1.475 | 2.458 | 7.7 | 20.3 |
| 6 20 | 15 47.35 | −17 36.8 | 1.519 | 2.450 | 12.1 | 20.6 |
| 6 30 | 15 41.85 | −17 1.6 | 1.585 | 2.442 | 16.0 | 20.8 |
| **373530** 2001 $SS_{275}$ | | | 5 25.7 189°.24 | | 5°.2/22.9 17 | |
| 4 21 | 16 36.17 | − 8 55.5 | 2.047 | 2.894 | 12.8 | 22.5 |
| 5 1 | 16 30.79 | − 7 54.1 | 1.974 | 2.893 | 9.9 | 22.3 |
| 5 11 | 16 23.53 | − 6 55.6 | 1.924 | 2.892 | 7.0 | 22.1 |
| 5 21 | 16 15.04 | − 6 4.1 | 1.901 | 2.890 | 5.3 | 22.0 |
| 5 31 | 16 6.16 | − 5 23.7 | 1.906 | 2.888 | 6.1 | 22.1 |
| 6 10 | 15 57.82 | − 4 57.5 | 1.937 | 2.885 | 8.8 | 22.2 |
| 6 20 | 15 50.79 | − 4 46.9 | 1.992 | 2.882 | 11.7 | 22.4 |
| 6 30 | 15 45.65 | − 4 51.9 | 2.069 | 2.879 | 14.5 | 22.6 |
| **368934** 2006 $VY_{99}$ | | | 5 25.7 178°.12 | | 0°.1/25.7 17 | |
| 4 21 | 16 39.55 | −21 51.4 | 2.034 | 2.875 | 13.1 | 22.2 |
| 5 1 | 16 33.49 | −21 46.1 | 1.955 | 2.877 | 9.8 | 22.0 |
| 5 11 | 16 25.28 | −21 35.9 | 1.899 | 2.878 | 6.1 | 21.8 |
| 5 21 | 16 15.63 | −21 20.9 | 1.870 | 2.879 | 2.0 | 21.5 |
| 5 31 | 16 5.50 | −21 2.5 | 1.869 | 2.879 | 2.2 | 21.5 |
| 6 10 | 15 55.95 | −20 43.1 | 1.897 | 2.879 | 6.3 | 21.8 |
| 6 20 | 15 47.87 | −20 25.7 | 1.950 | 2.878 | 10.0 | 22.0 |
| 6 30 | 15 41.93 | −20 13.1 | 2.026 | 2.876 | 13.3 | 22.2 |
| **463978** 2014 $WM_{26}$ | | | 5 25.7 45°.42 | | 0°.5/25.9 17 | |
| 4 21 | 16 38.11 | −22 33.1 | 1.341 | 2.207 | 17.0 | 20.4 |
| 5 1 | 16 33.21 | −22 35.0 | 1.282 | 2.217 | 12.8 | 20.1 |
| 5 11 | 16 25.41 | −22 30.2 | 1.244 | 2.227 | 8.0 | 19.9 |
| 5 21 | 16 15.70 | −22 18.8 | 1.229 | 2.238 | 2.7 | 19.6 |
| 5 31 | 16 5.46 | −22 2.4 | 1.238 | 2.249 | 2.8 | 19.6 |
| 6 10 | 15 56.18 | −21 44.5 | 1.273 | 2.261 | 7.9 | 20.0 |
| 6 20 | 15 49.03 | −21 29.1 | 1.330 | 2.272 | 12.6 | 20.2 |
| 6 30 | 15 44.77 | −21 19.7 | 1.408 | 2.284 | 16.5 | 20.5 |
| **276952** 2004 $TU_{286}$ | | | 5 25.7 223°.89 | | 1°.1/26.1 18 | |
| 4 21 | 16 38.12 | −23 40.2 | 1.933 | 2.777 | 13.5 | 20.3 |
| 5 1 | 16 32.65 | −23 52.5 | 1.851 | 2.773 | 10.3 | 20.1 |
| 5 11 | 16 24.89 | −23 59.3 | 1.792 | 2.770 | 6.5 | 19.9 |
| 5 21 | 16 15.54 | −23 59.8 | 1.758 | 2.766 | 2.4 | 19.6 |
| 5 31 | 16 5.60 | −23 54.6 | 1.752 | 2.762 | 2.4 | 19.6 |
| 6 10 | 15 56.19 | −23 45.5 | 1.774 | 2.758 | 6.4 | 19.8 |
| 6 20 | 15 48.28 | −23 35.4 | 1.820 | 2.754 | 10.3 | 20.1 |
| 6 30 | 15 42.61 | −23 27.3 | 1.890 | 2.749 | 13.7 | 20.3 |
| **316228** 2010 $NX_{106}$ | | | 5 25.7 267°.73 | | 1°.6/26.5 18 | |
| 4 21 | 16 34.99 | −26 38.8 | 2.520 | 3.351 | 11.2 | 21.4 |
| 5 1 | 16 29.93 | −26 43.1 | 2.421 | 3.335 | 8.6 | 21.2 |
| 5 11 | 16 23.06 | −26 40.6 | 2.346 | 3.319 | 5.6 | 21.0 |
| 5 21 | 16 14.92 | −26 30.9 | 2.297 | 3.302 | 2.5 | 20.8 |
| 5 31 | 16 6.27 | −26 14.4 | 2.277 | 3.285 | 2.3 | 20.7 |
| 6 10 | 15 57.96 | −25 53.0 | 2.286 | 3.269 | 5.3 | 20.9 |
| 6 20 | 15 50.74 | −25 29.2 | 2.321 | 3.251 | 8.5 | 21.1 |
| 6 30 | 15 45.26 | −25 6.2 | 2.380 | 3.234 | 11.4 | 21.2 |
| **510586** 2012 $SH_{13}$ | | | 5 25.7 238°.95 | | 1°.4/25.1 18 | |
| 4 21 | 16 35.97 | −18 13.1 | 2.219 | 3.065 | 11.9 | 22.2 |
| 5 1 | 16 30.72 | −17 53.3 | 2.128 | 3.053 | 9.0 | 22.0 |
| 5 11 | 16 23.56 | −17 30.8 | 2.061 | 3.042 | 5.6 | 21.7 |
| 5 21 | 16 15.08 | −17 6.8 | 2.022 | 3.030 | 2.1 | 21.5 |
| 5 31 | 16 6.11 | −16 43.4 | 2.010 | 3.017 | 2.7 | 21.5 |
| 6 10 | 15 57.54 | −16 23.0 | 2.026 | 3.004 | 6.3 | 21.7 |
| 6 20 | 15 50.19 | −16 8.0 | 2.069 | 2.991 | 9.8 | 21.9 |
| 6 30 | 15 44.68 | −16 0.3 | 2.134 | 2.978 | 12.9 | 22.1 |
| **437104** 2012 $UD_{110}$ | | | 5 25.7 160°.59 | | 3°.2/24.2 17 | |
| 4 21 | 16 35.09 | −12 23.8 | 2.203 | 3.051 | 11.9 | 21.9 |
| 5 1 | 16 29.90 | −11 57.9 | 2.130 | 3.054 | 9.0 | 21.7 |
| 5 11 | 16 22.95 | −11 33.8 | 2.080 | 3.056 | 5.9 | 21.5 |
| 5 21 | 16 14.85 | −11 13.6 | 2.058 | 3.058 | 3.5 | 21.3 |
| 5 31 | 16 6.40 | −10 59.5 | 2.063 | 3.060 | 4.1 | 21.4 |
| 6 10 | 15 58.45 | −10 53.6 | 2.095 | 3.062 | 7.0 | 21.6 |
| 6 20 | 15 51.71 | −10 56.9 | 2.153 | 3.064 | 10.1 | 21.7 |
| 6 30 | 15 46.74 | −11 9.9 | 2.234 | 3.065 | 12.9 | 21.9 |

**475505** 2006 $SU_{325}$ 5 25.7 144°.25 1°.1/25.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.42 | −18 30.3 | 2.566 | 3.408 | 10.6 | 22.1 |
| 5 1 | 16 29.18 | −18 9.2 | 2.492 | 3.415 | 7.9 | 21.9 |
| 5 11 | 16 22.41 | −17 45.7 | 2.442 | 3.422 | 4.9 | 21.7 |
| 5 21 | 16 14.66 | −17 21.0 | 2.421 | 3.429 | 1.8 | 21.5 |
| 5 31 | 16 6.64 | −16 57.1 | 2.428 | 3.435 | 2.3 | 21.6 |
| 6 10 | 15 59.08 | −16 35.9 | 2.464 | 3.441 | 5.4 | 21.8 |
| 6 20 | 15 52.60 | −16 19.4 | 2.526 | 3.447 | 8.4 | 22.0 |
| 6 30 | 15 47.70 | −16 9.2 | 2.613 | 3.452 | 11.0 | 22.2 |

**376944** 2002 $DP_{3}$ 5 25.7 182°.75 0°.2/25.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.75 | −20 38.5 | 3.034 | 3.859 | 9.6 | 22.5 |
| 5 1 | 16 32.24 | −20 36.2 | 2.946 | 3.860 | 7.2 | 22.3 |
| 5 11 | 16 24.24 | −20 30.8 | 2.884 | 3.860 | 4.4 | 22.1 |
| 5 21 | 16 15.26 | −20 22.6 | 2.851 | 3.860 | 1.4 | 21.9 |
| 5 31 | 16 5.96 | −20 12.5 | 2.849 | 3.858 | 1.7 | 21.9 |
| 6 10 | 15 57.02 | −20 1.8 | 2.877 | 3.855 | 4.7 | 22.1 |
| 6 20 | 15 49.06 | −19 52.1 | 2.934 | 3.852 | 7.4 | 22.3 |
| 6 30 | 15 42.57 | −19 45.3 | 3.017 | 3.847 | 9.9 | 22.5 |

**378136** 2006 $VX_{41}$ 5 25.7 221°.35 0°.9/25.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.44 | −18 51.4 | 3.116 | 3.950 | 9.2 | 23.0 |
| 5 1 | 16 29.07 | −18 34.3 | 3.018 | 3.937 | 6.9 | 22.8 |
| 5 11 | 16 22.32 | −18 14.7 | 2.946 | 3.925 | 4.2 | 22.6 |
| 5 21 | 16 14.64 | −17 53.5 | 2.903 | 3.911 | 1.5 | 22.4 |
| 5 31 | 16 6.63 | −17 32.0 | 2.889 | 3.897 | 1.9 | 22.4 |
| 6 10 | 15 58.90 | −17 12.1 | 2.906 | 3.882 | 4.7 | 22.6 |
| 6 20 | 15 52.03 | −16 55.3 | 2.950 | 3.867 | 7.4 | 22.7 |
| 6 30 | 15 46.47 | −16 43.4 | 3.019 | 3.851 | 9.8 | 22.9 |

**504990** 2011 $HV_{59}$ 5 25.7 35°.03 2°.6/25.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.29 | −12 49.4 | 1.512 | 2.372 | 15.8 | 20.4 |
| 5 1 | 16 33.75 | −13 19.1 | 1.451 | 2.382 | 11.9 | 20.2 |
| 5 11 | 16 25.63 | −13 54.3 | 1.412 | 2.392 | 7.5 | 20.0 |
| 5 21 | 16 15.79 | −14 34.9 | 1.397 | 2.403 | 3.4 | 19.8 |
| 5 31 | 16 5.41 | −15 20.3 | 1.409 | 2.415 | 3.8 | 19.8 |
| 6 10 | 15 55.80 | −16 10.0 | 1.446 | 2.427 | 8.0 | 20.1 |
| 6 20 | 15 48.03 | −17 3.0 | 1.508 | 2.440 | 12.2 | 20.4 |
| 6 30 | 15 42.84 | −17 59.2 | 1.592 | 2.453 | 15.7 | 20.6 |

**227868** 2007 $DQ_{112}$ 5 25.7 182°.91 0°.8/25.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.79 | −19 34.8 | 2.045 | 2.890 | 12.8 | 21.3 |
| 5 1 | 16 32.15 | −19 22.5 | 1.966 | 2.891 | 9.6 | 21.1 |
| 5 11 | 16 24.45 | −19 6.9 | 1.911 | 2.891 | 5.9 | 20.9 |
| 5 21 | 16 15.38 | −18 48.7 | 1.882 | 2.891 | 2.0 | 20.6 |
| 5 31 | 16 5.85 | −18 29.8 | 1.881 | 2.890 | 2.5 | 20.6 |
| 6 10 | 15 56.87 | −18 12.6 | 1.908 | 2.889 | 6.4 | 20.9 |
| 6 20 | 15 49.29 | −17 59.4 | 1.961 | 2.887 | 10.1 | 21.1 |
| 6 30 | 15 43.75 | −17 52.6 | 2.037 | 2.885 | 13.3 | 21.3 |

**414139** 2007 $VY_{223}$ 5 25.7 213°.32 0°.9/25.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.34 | −21 58.4 | 1.721 | 2.566 | 14.9 | 21.7 |
| 5 1 | 16 36.14 | −22 25.7 | 1.637 | 2.561 | 11.3 | 21.4 |
| 5 11 | 16 27.24 | −22 49.5 | 1.576 | 2.555 | 7.1 | 21.1 |
| 5 21 | 16 16.37 | −23 8.4 | 1.541 | 2.549 | 2.5 | 20.8 |
| 5 31 | 16 4.70 | −23 21.7 | 1.533 | 2.543 | 2.6 | 20.8 |
| 6 10 | 15 53.58 | −23 30.5 | 1.552 | 2.536 | 7.2 | 21.1 |
| 6 20 | 15 44.18 | −23 37.3 | 1.596 | 2.528 | 11.6 | 21.3 |
| 6 30 | 15 37.40 | −23 45.1 | 1.663 | 2.520 | 15.3 | 21.6 |

**507545** 2012 $XJ_{99}$ 5 25.7 159°.92 1°.8/26.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.55 | −27 22.4 | 2.508 | 3.335 | 11.3 | 22.0 |
| 5 1 | 16 30.96 | −27 25.3 | 2.428 | 3.339 | 8.7 | 21.8 |
| 5 11 | 16 23.60 | −27 20.7 | 2.372 | 3.343 | 5.6 | 21.6 |
| 5 21 | 16 15.09 | −27 8.4 | 2.343 | 3.347 | 2.6 | 21.5 |
| 5 31 | 16 6.21 | −26 48.9 | 2.343 | 3.351 | 2.3 | 21.4 |
| 6 10 | 15 57.83 | −26 24.5 | 2.372 | 3.354 | 5.2 | 21.6 |
| 6 20 | 15 50.65 | −25 57.8 | 2.427 | 3.357 | 8.3 | 21.8 |
| 6 30 | 15 45.26 | −25 32.0 | 2.507 | 3.359 | 11.0 | 22.0 |

**141731** 2002 $LF_{24}$ 5 25.7 299°.89 2°.6/24.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.75 | −18 1.4 | 1.426 | 2.295 | 16.0 | 20.1 |
| 5 1 | 16 31.75 | −17 21.6 | 1.328 | 2.266 | 12.2 | 19.8 |
| 5 11 | 16 24.83 | −16 35.6 | 1.252 | 2.236 | 7.8 | 19.5 |
| 5 21 | 16 15.67 | −15 45.9 | 1.199 | 2.207 | 3.3 | 19.1 |
| 5 31 | 16 5.43 | −14 57.2 | 1.171 | 2.178 | 4.4 | 19.1 |
| 6 10 | 15 55.58 | −14 14.8 | 1.167 | 2.148 | 9.5 | 19.3 |
| 6 20 | 15 47.44 | −13 43.9 | 1.186 | 2.119 | 14.6 | 19.5 |
| 6 30 | 15 42.09 | −13 28.2 | 1.224 | 2.090 | 19.1 | 19.7 |

**425321** 2010 $AN_{33}$ 5 25.7 272°.60 5°.8/23.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.66 | − 5 57.6 | 1.867 | 2.714 | 13.8 | 20.7 |
| 5 1 | 16 31.46 | − 5 36.7 | 1.787 | 2.705 | 10.9 | 20.5 |
| 5 11 | 16 24.13 | − 5 23.7 | 1.730 | 2.695 | 7.9 | 20.3 |
| 5 21 | 16 15.31 | − 5 21.7 | 1.698 | 2.686 | 5.9 | 20.2 |
| 5 31 | 16 5.94 | − 5 33.3 | 1.693 | 2.677 | 6.6 | 20.2 |
| 6 10 | 15 57.03 | − 5 59.8 | 1.713 | 2.667 | 9.3 | 20.3 |
| 6 20 | 15 49.50 | − 6 40.5 | 1.757 | 2.658 | 12.5 | 20.5 |
| 6 30 | 15 44.04 | − 7 33.9 | 1.823 | 2.649 | 15.5 | 20.7 |

**67492** 2000 $RT_{23}$ 5 25.7 164°.62 2°.1/26.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 41.03 | −26 55.9 | 1.654 | 2.497 | 15.5 | 19.3 |
| 5 1 | 16 35.13 | −26 57.4 | 1.580 | 2.500 | 11.9 | 19.1 |
| 5 11 | 16 26.54 | −26 48.6 | 1.528 | 2.503 | 7.7 | 18.9 |
| 5 21 | 16 16.11 | −26 28.7 | 1.500 | 2.506 | 3.4 | 18.6 |
| 5 31 | 16 5.10 | −25 58.7 | 1.499 | 2.508 | 3.0 | 18.6 |
| 6 10 | 15 54.87 | −25 22.2 | 1.524 | 2.509 | 7.2 | 18.8 |
| 6 20 | 15 46.54 | −24 44.2 | 1.575 | 2.511 | 11.4 | 19.1 |
| 6 30 | 15 40.90 | −24 9.9 | 1.647 | 2.512 | 15.1 | 19.3 |

**248471** 2005 $UO_{81}$ 5 25.7 219°.58 5°.9/22.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.15 | − 4 6.7 | 2.463 | 3.301 | 11.2 | 20.4 |
| 5 1 | 16 27.55 | − 3 6.6 | 2.390 | 3.298 | 8.9 | 20.3 |
| 5 11 | 16 21.45 | − 2 12.3 | 2.342 | 3.295 | 6.9 | 20.2 |
| 5 21 | 16 14.38 | − 1 27.4 | 2.320 | 3.291 | 5.9 | 20.1 |
| 5 31 | 16 7.01 | − 0 55.4 | 2.325 | 3.288 | 6.6 | 20.1 |
| 6 10 | 16 0.04 | − 0 38.4 | 2.357 | 3.284 | 8.5 | 20.2 |
| 6 20 | 15 54.08 | − 0 37.1 | 2.413 | 3.280 | 10.8 | 20.4 |
| 6 30 | 15 49.63 | − 0 50.8 | 2.490 | 3.277 | 12.9 | 20.5 |

**6929** Misto 5 25.7 186°.00 0°.8/26.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.38 | −22 58.0 | 2.335 | 3.170 | 11.8 | 17.8 |
| 5 1 | 16 32.46 | −23 12.7 | 2.251 | 3.169 | 8.9 | 17.6 |
| 5 11 | 16 24.61 | −23 23.2 | 2.192 | 3.169 | 5.6 | 17.4 |
| 5 21 | 16 15.45 | −23 29.0 | 2.160 | 3.168 | 2.0 | 17.1 |
| 5 31 | 16 5.81 | −23 30.2 | 2.157 | 3.166 | 2.0 | 17.1 |
| 6 10 | 15 56.63 | −23 28.2 | 2.182 | 3.165 | 5.6 | 17.3 |
| 6 20 | 15 48.70 | −23 25.0 | 2.234 | 3.162 | 8.9 | 17.5 |
| 6 30 | 15 42.65 | −23 23.1 | 2.311 | 3.160 | 11.9 | 17.7 |

**115827** 2003 $UW_{252}$ 5 25.7 233°.18 0°.7/26.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.27 | −22 50.2 | 2.054 | 2.897 | 12.9 | 20.1 |
| 5 1 | 16 31.89 | −23 2.0 | 1.971 | 2.893 | 9.7 | 19.9 |
| 5 11 | 16 24.38 | −23 9.1 | 1.911 | 2.890 | 6.1 | 19.7 |
| 5 21 | 16 15.40 | −23 11.2 | 1.877 | 2.886 | 2.2 | 19.4 |
| 5 31 | 16 5.87 | −23 8.7 | 1.872 | 2.882 | 2.2 | 19.4 |
| 6 10 | 15 56.82 | −23 3.3 | 1.893 | 2.877 | 6.1 | 19.7 |
| 6 20 | 15 49.16 | −22 57.3 | 1.941 | 2.873 | 9.8 | 19.9 |
| 6 30 | 15 43.59 | −22 53.5 | 2.012 | 2.869 | 13.1 | 20.1 |

**323046** 2002 $RH_{91}$ 5 25.7 304°.19 4°.0/26.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.79 | −28 55.8 | 1.408 | 2.262 | 17.1 | 20.4 |
| 5 1 | 16 33.71 | −29 24.1 | 1.310 | 2.234 | 13.5 | 20.1 |
| 5 11 | 16 26.30 | −29 41.8 | 1.232 | 2.206 | 9.3 | 19.8 |
| 5 21 | 16 16.23 | −29 45.5 | 1.177 | 2.179 | 5.1 | 19.5 |
| 5 31 | 16 4.81 | −29 33.2 | 1.145 | 2.151 | 4.6 | 19.4 |
| 6 10 | 15 53.76 | −29 7.0 | 1.138 | 2.124 | 8.9 | 19.5 |
| 6 20 | 15 44.68 | −28 32.0 | 1.153 | 2.098 | 13.9 | 19.7 |
| 6 30 | 15 38.82 | −27 55.4 | 1.188 | 2.071 | 18.5 | 19.9 |

**374404** 2005 $WM$ 5 25.7 190°.79 0°.1/25.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.61 | −21 29.4 | 2.259 | 3.097 | 12.1 | 22.4 |
| 5 1 | 16 32.64 | −21 25.2 | 2.175 | 3.096 | 9.1 | 22.1 |
| 5 11 | 16 24.72 | −21 16.7 | 2.115 | 3.094 | 5.6 | 21.9 |
| 5 21 | 16 15.49 | −21 4.2 | 2.082 | 3.091 | 1.8 | 21.7 |
| 5 31 | 16 5.80 | −20 48.8 | 2.078 | 3.088 | 2.1 | 21.7 |
| 6 10 | 15 56.59 | −20 32.7 | 2.103 | 3.084 | 5.8 | 21.9 |
| 6 20 | 15 48.67 | −20 18.2 | 2.154 | 3.080 | 9.3 | 22.1 |
| 6 30 | 15 42.68 | −20 7.8 | 2.229 | 3.075 | 12.4 | 22.3 |

**138728** 2000 $SO_{186}$ 5 25.7 163°.96 2°.7/24.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.33 | −14 59.3 | 2.342 | 3.192 | 11.3 | 20.1 |
| 5 1 | 16 28.52 | −14 14.4 | 2.267 | 3.193 | 8.5 | 19.9 |
| 5 11 | 16 22.08 | −13 28.3 | 2.216 | 3.194 | 5.4 | 19.7 |
| 5 21 | 16 14.60 | −12 43.7 | 2.192 | 3.195 | 2.9 | 19.5 |
| 5 31 | 16 6.82 | −12 3.6 | 2.197 | 3.196 | 3.6 | 19.6 |
| 6 10 | 15 59.51 | −11 30.9 | 2.229 | 3.197 | 6.5 | 19.8 |
| 6 20 | 15 53.33 | −11 7.5 | 2.287 | 3.198 | 9.5 | 19.9 |
| 6 30 | 15 48.80 | −10 54.7 | 2.368 | 3.199 | 12.2 | 20.1 |

**106536** 2000 $WV_{62}$ 5 25.7 223°.32 5°.2/22.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.59 | − 1 53.7 | 3.083 | 3.904 | 9.6 | 20.6 |
| 5 1 | 16 28.39 | − 1 22.2 | 2.997 | 3.892 | 7.8 | 20.5 |
| 5 11 | 16 21.89 | − 0 57.1 | 2.935 | 3.879 | 6.1 | 20.4 |
| 5 21 | 16 14.54 | − 0 40.9 | 2.901 | 3.867 | 5.2 | 20.3 |
| 5 31 | 16 6.87 | − 0 35.6 | 2.895 | 3.853 | 5.7 | 20.3 |
| 6 10 | 15 59.49 | − 0 42.5 | 2.917 | 3.839 | 7.3 | 20.4 |
| 6 20 | 15 52.90 | − 1 1.5 | 2.965 | 3.825 | 9.2 | 20.5 |
| 6 30 | 15 47.56 | − 1 31.9 | 3.036 | 3.810 | 11.1 | 20.6 |

**477710** 2010 $RK_{166}$ 5 25.7 274°.44 6°.9/20.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.11 | − 1 27.8 | 2.461 | 3.294 | 11.3 | 21.0 |
| 5 1 | 16 27.63 | − 0 14.1 | 2.375 | 3.274 | 9.3 | 20.9 |
| 5 11 | 16 21.59 | + 0 53.6 | 2.313 | 3.254 | 7.6 | 20.7 |
| 5 21 | 16 14.47 | + 1 50.6 | 2.277 | 3.234 | 6.9 | 20.7 |
| 5 31 | 16 6.94 | + 2 32.7 | 2.267 | 3.214 | 7.7 | 20.7 |
| 6 10 | 15 59.71 | + 2 57.2 | 2.283 | 3.193 | 9.6 | 20.7 |
| 6 20 | 15 53.45 | + 3 3.1 | 2.323 | 3.172 | 11.8 | 20.9 |
| 6 30 | 15 48.69 | + 2 51.1 | 2.383 | 3.151 | 14.0 | 21.0 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **208672** 2002 $GW_{65}$ | | | 5 25.7 101°.23 | | 1°.2/25.3 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 41.30 | −18 59.2 | 1.556 | 2.411 | 15.7 | 20.7 |
| 5 1 | 16 35.08 | −18 46.1 | 1.500 | 2.429 | 11.7 | 20.5 |
| 5 11 | 16 26.34 | −18 29.7 | 1.465 | 2.447 | 7.2 | 20.3 |
| 5 21 | 16 16.01 | −18 11.2 | 1.456 | 2.465 | 2.5 | 20.0 |
| 5 31 | 16 5.33 | −17 53.0 | 1.473 | 2.482 | 3.1 | 20.1 |
| 6 10 | 15 55.58 | −17 37.9 | 1.517 | 2.498 | 7.6 | 20.4 |
| 6 20 | 15 47.77 | −17 28.8 | 1.585 | 2.515 | 11.8 | 20.7 |
| 6 30 | 15 42.57 | −17 27.8 | 1.674 | 2.530 | 15.3 | 21.0 |
| **416332** 2003 $SQ_{202}$ | | | 5 25.7 218°.29 | | 1°.0/26.1 17 | |
| 4 21 | 16 40.51 | −24 22.9 | 1.864 | 2.704 | 14.1 | 22.2 |
| 5 1 | 16 34.58 | −24 20.5 | 1.776 | 2.696 | 10.7 | 22.0 |
| 5 11 | 16 26.17 | −24 10.6 | 1.711 | 2.688 | 6.8 | 21.7 |
| 5 21 | 16 16.02 | −23 52.9 | 1.671 | 2.679 | 2.5 | 21.4 |
| 5 31 | 16 5.21 | −23 28.3 | 1.659 | 2.669 | 2.4 | 21.4 |
| 6 10 | 15 54.94 | −22 59.9 | 1.675 | 2.659 | 6.8 | 21.7 |
| 6 20 | 15 46.28 | −22 31.4 | 1.716 | 2.648 | 10.9 | 21.9 |
| 6 30 | 15 40.03 | −22 6.9 | 1.780 | 2.636 | 14.5 | 22.1 |
| **471209** 2010 $UK_{106}$ | | | 5 25.7 199°.20 | | 1°.9/26.1 16 | |
| 4 21 | 16 46.31 | −23 36.9 | 2.098 | 2.922 | 13.3 | 21.8 |
| 5 1 | 16 38.82 | −24 32.3 | 2.008 | 2.919 | 10.2 | 21.6 |
| 5 11 | 16 28.79 | −25 25.0 | 1.942 | 2.914 | 6.6 | 21.4 |
| 5 21 | 16 16.91 | −26 11.9 | 1.904 | 2.909 | 2.9 | 21.1 |
| 5 31 | 16 4.19 | −26 50.9 | 1.896 | 2.903 | 2.8 | 21.1 |
| 6 10 | 15 51.87 | −27 21.4 | 1.918 | 2.897 | 6.5 | 21.3 |
| 6 20 | 15 41.04 | −27 44.9 | 1.967 | 2.889 | 10.3 | 21.5 |
| 6 30 | 15 32.57 | −28 4.3 | 2.040 | 2.881 | 13.5 | 21.7 |
| **333946** 1999 $VT_{209}$ | | | 5 25.7 219°.09 | | 0°.3/25.6 18 | |
| 4 21 | 16 36.48 | −21 33.0 | 2.110 | 2.955 | 12.5 | 21.4 |
| 5 1 | 16 31.19 | −21 17.6 | 2.026 | 2.950 | 9.4 | 21.2 |
| 5 11 | 16 23.90 | −20 57.2 | 1.965 | 2.945 | 5.8 | 21.0 |
| 5 21 | 16 15.24 | −20 32.5 | 1.930 | 2.940 | 1.9 | 20.7 |
| 5 31 | 16 6.11 | −20 5.3 | 1.924 | 2.934 | 2.2 | 20.7 |
| 6 10 | 15 57.47 | −19 38.3 | 1.945 | 2.928 | 6.2 | 21.0 |
| 6 20 | 15 50.17 | −19 14.4 | 1.993 | 2.921 | 9.8 | 21.2 |
| 6 30 | 15 44.85 | −18 56.5 | 2.063 | 2.915 | 13.0 | 21.4 |
| **417625** 2006 $WU_{151}$ | | | 5 25.7 60°.29 | | 2°.7/26.6 18 | |
| 4 21 | 16 41.71 | −26 54.1 | 1.431 | 2.281 | 17.0 | 20.5 |
| 5 1 | 16 35.69 | −27 18.9 | 1.383 | 2.306 | 13.0 | 20.3 |
| 5 11 | 16 26.82 | −27 33.3 | 1.356 | 2.332 | 8.4 | 20.1 |
| 5 21 | 16 16.17 | −27 35.7 | 1.353 | 2.357 | 4.0 | 19.9 |
| 5 31 | 16 5.18 | −27 26.5 | 1.375 | 2.383 | 3.5 | 19.9 |
| 6 10 | 15 55.31 | −27 9.0 | 1.423 | 2.408 | 7.5 | 20.2 |
| 6 20 | 15 47.67 | −26 47.9 | 1.494 | 2.434 | 11.7 | 20.5 |
| 6 30 | 15 42.94 | −26 28.2 | 1.587 | 2.459 | 15.2 | 20.8 |
| **45353** 2000 $AZ_{98}$ | | | 5 25.7 143°.95 | | 1°.4/25.2 18 | |
| 4 21 | 16 39.69 | −18 13.8 | 1.807 | 2.657 | 14.1 | 19.0 |
| 5 1 | 16 33.72 | −17 59.7 | 1.738 | 2.665 | 10.5 | 18.8 |
| 5 11 | 16 25.47 | −17 43.1 | 1.692 | 2.673 | 6.5 | 18.6 |
| 5 21 | 16 15.74 | −17 25.2 | 1.672 | 2.680 | 2.4 | 18.3 |
| 5 31 | 16 5.59 | −17 8.1 | 1.679 | 2.687 | 3.0 | 18.4 |
| 6 10 | 15 56.13 | −16 54.3 | 1.714 | 2.694 | 7.1 | 18.6 |
| 6 20 | 15 48.29 | −16 46.2 | 1.774 | 2.700 | 11.0 | 18.9 |
| 6 30 | 15 42.75 | −16 45.8 | 1.856 | 2.705 | 14.3 | 19.1 |
| **376907** 2001 $YM_{85}$ | | | 5 25.7 125°.69 | | 6°.0/29.2 17 | |
| 4 21 | 16 42.05 | −39 33.6 | 2.003 | 2.796 | 15.0 | 20.9 |
| 5 1 | 16 35.66 | −39 40.4 | 1.930 | 2.806 | 12.3 | 20.7 |
| 5 11 | 16 26.72 | −39 28.8 | 1.878 | 2.816 | 9.4 | 20.5 |
| 5 21 | 16 16.14 | −38 56.4 | 1.851 | 2.825 | 6.9 | 20.4 |
| 5 31 | 16 5.18 | −38 3.3 | 1.850 | 2.834 | 6.1 | 20.4 |
| 6 10 | 15 55.14 | −36 53.8 | 1.875 | 2.843 | 7.6 | 20.5 |
| 6 20 | 15 47.02 | −35 34.3 | 1.927 | 2.851 | 10.3 | 20.7 |
| 6 30 | 15 41.51 | −34 12.4 | 2.002 | 2.859 | 13.1 | 20.9 |
| **232902** 2004 $XX_{84}$ | | | 5 25.7 123°.28 | | 2°.8/24.6 17 | |
| 4 21 | 16 37.23 | −12 51.0 | 2.237 | 3.080 | 12.0 | 21.1 |
| 5 1 | 16 31.40 | −12 36.3 | 2.172 | 3.094 | 9.0 | 20.9 |
| 5 11 | 16 23.84 | −12 23.4 | 2.132 | 3.108 | 5.8 | 20.8 |
| 5 21 | 16 15.18 | −12 13.9 | 2.119 | 3.121 | 3.1 | 20.6 |
| 5 31 | 16 6.25 | −12 9.7 | 2.134 | 3.134 | 3.7 | 20.7 |
| 6 10 | 15 57.87 | −12 12.2 | 2.177 | 3.146 | 6.6 | 20.9 |
| 6 20 | 15 50.77 | −12 22.0 | 2.246 | 3.158 | 9.7 | 21.1 |
| 6 30 | 15 45.46 | −12 39.6 | 2.339 | 3.169 | 12.4 | 21.3 |
| **242313** 2003 $WF_{116}$ | | | 5 25.7 61°.94 | | 2°.3/27.1 18 | |
| 4 21 | 16 36.81 | −30 19.8 | 1.881 | 2.716 | 14.2 | 19.6 |
| 5 1 | 16 31.58 | −29 45.8 | 1.811 | 2.725 | 10.9 | 19.4 |
| 5 11 | 16 24.12 | −28 58.0 | 1.763 | 2.734 | 7.2 | 19.2 |
| 5 21 | 16 15.29 | −27 57.2 | 1.740 | 2.743 | 3.5 | 19.0 |
| 5 31 | 16 6.15 | −26 46.3 | 1.745 | 2.753 | 2.8 | 19.0 |
| 6 10 | 15 57.82 | −25 30.7 | 1.777 | 2.762 | 6.3 | 19.2 |
| 6 20 | 15 51.16 | −24 16.2 | 1.835 | 2.772 | 10.0 | 19.5 |
| 6 30 | 15 46.77 | −23 8.2 | 1.916 | 2.781 | 13.3 | 19.7 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **176482** 2001 $XF_{204}$ | | | 5 25.7 196°.04 | | 1°.7/24.8 16 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.13 | −16 19.1 | 2.694 | 3.536 | 10.2 | 21.7 |
| 5 1 | 16 28.97 | −15 55.6 | 2.610 | 3.533 | 7.6 | 21.6 |
| 5 11 | 16 22.32 | −15 30.9 | 2.552 | 3.530 | 4.8 | 21.4 |
| 5 21 | 16 14.70 | −15 6.4 | 2.521 | 3.527 | 2.1 | 21.2 |
| 5 31 | 16 6.76 | −14 44.0 | 2.519 | 3.523 | 2.7 | 21.2 |
| 6 10 | 15 59.19 | −14 25.7 | 2.546 | 3.519 | 5.5 | 21.4 |
| 6 20 | 15 52.62 | −14 13.1 | 2.600 | 3.515 | 8.4 | 21.6 |
| 6 30 | 15 47.53 | −14 7.5 | 2.678 | 3.510 | 10.9 | 21.7 |
| **221737** 2007 $ED_{112}$ | | | 5 25.7 355°.83 | | 3°.7/23.7 16 | |
| 4 21 | 16 31.54 | −11 38.9 | 2.255 | 3.108 | 11.5 | 19.9 |
| 5 1 | 16 27.27 | −10 58.0 | 2.181 | 3.107 | 8.8 | 19.7 |
| 5 11 | 16 21.36 | −10 18.7 | 2.131 | 3.106 | 5.9 | 19.6 |
| 5 21 | 16 14.40 | − 9 43.8 | 2.107 | 3.105 | 3.8 | 19.4 |
| 5 31 | 16 7.10 | − 9 16.3 | 2.111 | 3.104 | 4.5 | 19.5 |
| 6 10 | 16 0.25 | − 8 58.5 | 2.141 | 3.104 | 7.2 | 19.6 |
| 6 20 | 15 54.51 | − 8 51.7 | 2.197 | 3.104 | 10.1 | 19.8 |
| 6 30 | 15 50.41 | − 8 56.5 | 2.275 | 3.104 | 12.7 | 20.0 |
| **288459** 2004 $EL_{77}$ | | | 5 25.7 31°.43 | | 0°.5/25.6 14 C | |
| 4 21 | 16 34.84 | −20 40.5 | 1.455 | 2.323 | 15.8 | 20.4 |
| 5 1 | 16 30.39 | −20 30.6 | 1.407 | 2.344 | 11.8 | 20.2 |
| 5 11 | 16 23.50 | −20 15.9 | 1.381 | 2.365 | 7.2 | 20.0 |
| 5 21 | 16 15.10 | −19 58.0 | 1.379 | 2.388 | 2.3 | 19.7 |
| 5 31 | 16 6.42 | −19 39.1 | 1.402 | 2.412 | 2.7 | 19.8 |
| 6 10 | 15 58.67 | −19 22.4 | 1.450 | 2.436 | 7.3 | 20.2 |
| 6 20 | 15 52.78 | −19 10.8 | 1.521 | 2.461 | 11.4 | 20.5 |
| 6 30 | 15 49.37 | −19 6.6 | 1.614 | 2.487 | 14.9 | 20.7 |
| **165290** 2000 $SV_{361}$ | | | 5 25.7 183°.75 | | 0°.7/25.5 17 | |
| 4 21 | 16 41.06 | −19 54.0 | 1.993 | 2.834 | 13.3 | 21.3 |
| 5 1 | 16 34.67 | −19 44.8 | 1.913 | 2.835 | 10.0 | 21.1 |
| 5 11 | 16 26.08 | −19 31.8 | 1.856 | 2.835 | 6.2 | 20.9 |
| 5 21 | 16 15.98 | −19 15.7 | 1.826 | 2.835 | 2.1 | 20.6 |
| 5 31 | 16 5.38 | −18 58.0 | 1.824 | 2.833 | 2.5 | 20.6 |
| 6 10 | 15 55.35 | −18 41.1 | 1.850 | 2.831 | 6.6 | 20.9 |
| 6 20 | 15 46.83 | −18 27.8 | 1.903 | 2.828 | 10.4 | 21.1 |
| 6 30 | 15 40.50 | −18 20.5 | 1.979 | 2.823 | 13.7 | 21.3 |
| **496900** 2001 $FH_{220}$ | | | 5 25.7 212°.65 | | 0°.1/25.8 17 | |
| 4 21 | 16 39.70 | −22 19.1 | 1.939 | 2.782 | 13.5 | 22.4 |
| 5 1 | 16 33.83 | −22 6.4 | 1.852 | 2.775 | 10.2 | 22.2 |
| 5 11 | 16 25.65 | −21 47.5 | 1.789 | 2.768 | 6.4 | 22.0 |
| 5 21 | 16 15.87 | −21 23.0 | 1.751 | 2.760 | 2.1 | 21.7 |
| 5 31 | 16 5.51 | −20 54.4 | 1.741 | 2.751 | 2.3 | 21.7 |
| 6 10 | 15 55.68 | −20 24.9 | 1.760 | 2.742 | 6.7 | 21.9 |
| 6 20 | 15 47.37 | −19 57.9 | 1.804 | 2.732 | 10.6 | 22.1 |
| 6 30 | 15 41.30 | −19 36.8 | 1.870 | 2.722 | 14.1 | 22.3 |
| **88366** 2001 $PG_{6}$ | | | 5 25.7 0°.39 | | 3°.8/26.7 18 | |
| 4 21 | 16 37.16 | −27 25.4 | 1.066 | 1.941 | 19.8 | 18.8 |
| 5 1 | 16 33.54 | −27 59.8 | 1.002 | 1.939 | 15.4 | 18.5 |
| 5 11 | 16 26.22 | −28 22.6 | 0.957 | 1.937 | 10.2 | 18.2 |
| 5 21 | 16 16.19 | −28 30.4 | 0.932 | 1.937 | 5.2 | 17.9 |
| 5 31 | 16 5.16 | −28 22.2 | 0.930 | 1.938 | 4.7 | 17.9 |
| 6 10 | 15 55.14 | −28 1.6 | 0.949 | 1.939 | 9.5 | 18.2 |
| 6 20 | 15 47.74 | −27 34.8 | 0.989 | 1.941 | 14.7 | 18.4 |
| 6 30 | 15 44.02 | −27 8.9 | 1.047 | 1.945 | 19.2 | 18.7 |
| **520899** 2014 $WN_{527}$ | | | 5 25.8 135°.29 | | 5°.8/28.2 17 | |
| 4 21 | 16 42.60 | −36 19.2 | 1.886 | 2.694 | 15.2 | 21.8 |
| 5 1 | 16 36.30 | −36 53.7 | 1.813 | 2.702 | 12.3 | 21.6 |
| 5 11 | 16 27.28 | −37 13.1 | 1.762 | 2.709 | 9.2 | 21.4 |
| 5 21 | 16 16.42 | −37 13.8 | 1.735 | 2.716 | 6.6 | 21.3 |
| 5 31 | 16 4.96 | −36 54.8 | 1.735 | 2.723 | 5.9 | 21.2 |
| 6 10 | 15 54.29 | −36 18.7 | 1.760 | 2.730 | 7.9 | 21.4 |
| 6 20 | 15 45.57 | −35 31.1 | 1.811 | 2.736 | 10.9 | 21.6 |
| 6 30 | 15 39.56 | −34 38.6 | 1.884 | 2.741 | 13.8 | 21.8 |
| **126561** 2002 $CF_{105}$ | | | 5 25.8 351°.96 | | 1°.1/25.3 18 | |
| 4 21 | 16 33.14 | −18 57.8 | 1.997 | 2.853 | 12.7 | 19.3 |
| 5 1 | 16 28.77 | −18 44.6 | 1.919 | 2.850 | 9.5 | 19.1 |
| 5 11 | 16 22.45 | −18 28.5 | 1.865 | 2.847 | 5.8 | 18.9 |
| 5 21 | 16 14.81 | −18 10.9 | 1.836 | 2.845 | 2.1 | 18.6 |
| 5 31 | 16 6.72 | −17 53.6 | 1.835 | 2.843 | 2.6 | 18.7 |
| 6 10 | 15 59.15 | −17 39.1 | 1.860 | 2.842 | 6.4 | 18.9 |
| 6 20 | 15 52.88 | −17 29.5 | 1.910 | 2.841 | 10.0 | 19.1 |
| 6 30 | 15 48.56 | −17 26.7 | 1.983 | 2.841 | 13.2 | 19.3 |
| **171065** 2005 $EL_{138}$ | | | 5 25.8 45°.73 | | 3°.3/25.0 18 | |
| 4 21 | 16 39.01 | −13 31.2 | 1.272 | 2.143 | 17.5 | 19.8 |
| 5 1 | 16 33.88 | −13 32.8 | 1.218 | 2.155 | 13.2 | 19.6 |
| 5 11 | 16 25.86 | −13 38.2 | 1.184 | 2.167 | 8.4 | 19.3 |
| 5 21 | 16 15.95 | −13 49.1 | 1.174 | 2.180 | 4.0 | 19.1 |
| 5 31 | 16 5.52 | −14 6.7 | 1.187 | 2.193 | 4.6 | 19.2 |
| 6 10 | 15 56.06 | −14 32.1 | 1.225 | 2.206 | 9.1 | 19.5 |
| 6 20 | 15 48.73 | −15 5.5 | 1.286 | 2.220 | 13.6 | 19.8 |
| 6 30 | 15 44.28 | −15 46.7 | 1.366 | 2.234 | 17.4 | 20.0 |

**183942** 2004 $DO_{31}$ 5 25.8 152°.92 1°.9/25.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.14 | −17 10.3 | 1.656 | 2.513 | 14.8 | 20.3 |
| 5 1 | 16 32.82 | −16 54.5 | 1.584 | 2.515 | 11.1 | 20.1 |
| 5 11 | 16 25.07 | −16 37.0 | 1.535 | 2.517 | 6.9 | 19.8 |
| 5 21 | 16 15.69 | −16 19.5 | 1.511 | 2.519 | 2.7 | 19.6 |
| 5 31 | 16 5.78 | −16 4.2 | 1.513 | 2.520 | 3.4 | 19.6 |
| 6 10 | 15 56.54 | −15 53.9 | 1.541 | 2.521 | 7.7 | 19.9 |
| 6 20 | 15 48.98 | −15 50.8 | 1.594 | 2.522 | 11.8 | 20.1 |
| 6 30 | 15 43.84 | −15 56.7 | 1.668 | 2.524 | 15.4 | 20.4 |

**179362** 2001 $XH_{196}$ 5 25.8 232°.01 3°.7/27.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.37 | −34 3.5 | 2.392 | 3.204 | 12.3 | 20.1 |
| 5 1 | 16 31.09 | −34 3.4 | 2.305 | 3.200 | 9.8 | 19.9 |
| 5 11 | 16 23.83 | −33 51.0 | 2.241 | 3.197 | 7.0 | 19.7 |
| 5 21 | 16 15.26 | −33 25.2 | 2.202 | 3.193 | 4.5 | 19.5 |
| 5 31 | 16 6.26 | −32 46.5 | 2.192 | 3.190 | 3.9 | 19.5 |
| 6 10 | 15 57.81 | −31 57.7 | 2.209 | 3.186 | 5.9 | 19.6 |
| 6 20 | 15 50.71 | −31 2.9 | 2.252 | 3.182 | 8.8 | 19.8 |
| 6 30 | 15 45.58 | −30 7.0 | 2.320 | 3.178 | 11.5 | 19.9 |

**139257** 2001 $HV_{46}$ 5 25.8 7°.08 3°.8/26.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.36 | −25 54.9 | 1.206 | 2.074 | 18.4 | 18.9 |
| 5 1 | 16 34.12 | −26 56.5 | 1.141 | 2.074 | 14.2 | 18.7 |
| 5 11 | 16 26.45 | −27 51.4 | 1.096 | 2.075 | 9.5 | 18.4 |
| 5 21 | 16 16.26 | −28 35.3 | 1.073 | 2.077 | 4.9 | 18.2 |
| 5 31 | 16 5.11 | −29 5.1 | 1.074 | 2.080 | 4.6 | 18.1 |
| 6 10 | 15 54.81 | −29 21.4 | 1.097 | 2.085 | 9.0 | 18.4 |
| 6 20 | 15 46.89 | −29 28.1 | 1.143 | 2.090 | 13.7 | 18.7 |
| 6 30 | 15 42.38 | −29 30.4 | 1.208 | 2.096 | 17.9 | 18.9 |

**420061** 2011 $DP_{49}$ 5 25.8 84°.08 3°.2/27.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.90 | −30 48.0 | 1.738 | 2.571 | 15.3 | 20.7 |
| 5 1 | 16 34.07 | −30 46.0 | 1.676 | 2.588 | 11.8 | 20.5 |
| 5 11 | 16 25.76 | −30 30.7 | 1.635 | 2.604 | 8.0 | 20.3 |
| 5 21 | 16 15.88 | −30 1.3 | 1.620 | 2.620 | 4.3 | 20.1 |
| 5 31 | 16 5.65 | −29 19.1 | 1.631 | 2.636 | 3.7 | 20.1 |
| 6 10 | 15 56.33 | −28 28.6 | 1.668 | 2.652 | 6.9 | 20.3 |
| 6 20 | 15 48.91 | −27 35.3 | 1.731 | 2.667 | 10.5 | 20.6 |
| 6 30 | 15 44.04 | −26 44.9 | 1.816 | 2.683 | 13.8 | 20.8 |

**283183** 2009 $UG_{106}$ 5 25.8 104°.45 2°.1/26.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.73 | −24 27.1 | 1.759 | 2.603 | 14.7 | 20.2 |
| 5 1 | 16 34.91 | −25 10.0 | 1.683 | 2.604 | 11.2 | 20.0 |
| 5 11 | 16 26.48 | −25 48.0 | 1.629 | 2.605 | 7.2 | 19.8 |
| 5 21 | 16 16.20 | −26 18.9 | 1.600 | 2.606 | 3.2 | 19.5 |
| 5 31 | 16 5.20 | −26 41.3 | 1.599 | 2.607 | 3.0 | 19.5 |
| 6 10 | 15 54.79 | −26 55.8 | 1.624 | 2.608 | 7.0 | 19.8 |
| 6 20 | 15 46.09 | −27 4.8 | 1.675 | 2.609 | 11.0 | 20.0 |
| 6 30 | 15 39.93 | −27 11.8 | 1.748 | 2.610 | 14.5 | 20.2 |

**305347** 2008 $AV_{135}$ 5 25.8 206°.84 2°.2/24.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.54 | −13 52.6 | 2.492 | 3.334 | 10.9 | 21.1 |
| 5 1 | 16 30.17 | −13 47.5 | 2.409 | 3.331 | 8.2 | 20.9 |
| 5 11 | 16 23.16 | −13 43.7 | 2.350 | 3.327 | 5.3 | 20.7 |
| 5 21 | 16 15.03 | −13 42.3 | 2.319 | 3.323 | 2.6 | 20.5 |
| 5 31 | 16 6.51 | −13 44.6 | 2.316 | 3.319 | 3.1 | 20.5 |
| 6 10 | 15 58.38 | −13 51.7 | 2.342 | 3.314 | 6.0 | 20.7 |
| 6 20 | 15 51.30 | −14 4.5 | 2.394 | 3.309 | 9.0 | 20.9 |
| 6 30 | 15 45.83 | −14 23.5 | 2.470 | 3.304 | 11.7 | 21.1 |

**136784** 1996 $WT_{1}$ 5 25.8 207°.17 0°.2/25.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.91 | −21 19.8 | 3.122 | 3.952 | 9.2 | 21.2 |
| 5 1 | 16 29.45 | −21 6.3 | 3.028 | 3.945 | 6.9 | 21.0 |
| 5 11 | 16 22.60 | −20 49.3 | 2.960 | 3.937 | 4.3 | 20.8 |
| 5 21 | 16 14.83 | −20 29.3 | 2.920 | 3.929 | 1.4 | 20.6 |
| 5 31 | 16 6.75 | −20 7.4 | 2.910 | 3.919 | 1.6 | 20.6 |
| 6 10 | 15 58.98 | −19 45.4 | 2.930 | 3.910 | 4.5 | 20.8 |
| 6 20 | 15 52.08 | −19 25.1 | 2.978 | 3.899 | 7.2 | 21.0 |
| 6 30 | 15 46.54 | −19 8.4 | 3.051 | 3.888 | 9.6 | 21.1 |

**332903** 2011 $BA_{55}$ 5 25.8 240°.68 13°.9/19.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.02 | +16 6.1 | 1.881 | 2.652 | 16.6 | 20.5 |
| 5 1 | 16 32.41 | +17 12.3 | 1.824 | 2.646 | 15.2 | 20.4 |
| 5 11 | 16 24.67 | +17 54.9 | 1.786 | 2.641 | 14.2 | 20.3 |
| 5 21 | 16 15.54 | +18 7.2 | 1.768 | 2.635 | 13.9 | 20.2 |
| 5 31 | 16 5.99 | +17 45.3 | 1.772 | 2.629 | 14.4 | 20.3 |
| 6 10 | 15 57.04 | +16 49.1 | 1.796 | 2.623 | 15.6 | 20.3 |
| 6 20 | 15 49.57 | +15 22.3 | 1.839 | 2.617 | 17.2 | 20.4 |
| 6 30 | 15 44.21 | +13 30.7 | 1.900 | 2.610 | 18.8 | 20.5 |

**238285** 2003 $WF_{129}$ 5 25.8 250°.14 1°.0/26.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.00 | −24 4.2 | 2.074 | 2.915 | 12.8 | 21.1 |
| 5 1 | 16 31.76 | −24 7.3 | 1.985 | 2.906 | 9.7 | 20.8 |
| 5 11 | 16 24.37 | −24 4.3 | 1.920 | 2.897 | 6.2 | 20.6 |
| 5 21 | 16 15.48 | −23 55.1 | 1.880 | 2.888 | 2.3 | 20.3 |
| 5 31 | 16 6.01 | −23 40.2 | 1.868 | 2.878 | 2.2 | 20.3 |
| 6 10 | 15 57.01 | −23 22.0 | 1.884 | 2.869 | 6.1 | 20.5 |
| 6 20 | 15 49.37 | −23 3.3 | 1.926 | 2.859 | 9.9 | 20.7 |
| 6 30 | 15 43.80 | −22 47.4 | 1.991 | 2.849 | 13.2 | 20.9 |

**353975** 2000 $CY_{58}$ 5 25.8 125°.13 15°.2/20.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 41.85 | +17 6.6 | 1.720 | 2.486 | 18.1 | 21.4 |
| 5 1 | 16 35.12 | +18 41.8 | 1.690 | 2.504 | 16.6 | 21.3 |
| 5 11 | 16 26.21 | +19 49.5 | 1.678 | 2.522 | 15.5 | 21.3 |
| 5 21 | 16 15.99 | +20 22.7 | 1.687 | 2.539 | 15.2 | 21.3 |
| 5 31 | 16 5.58 | +20 17.7 | 1.716 | 2.555 | 15.6 | 21.4 |
| 6 10 | 15 56.10 | +19 35.8 | 1.765 | 2.571 | 16.7 | 21.5 |
| 6 20 | 15 48.39 | +18 21.8 | 1.832 | 2.585 | 18.0 | 21.6 |
| 6 30 | 15 43.02 | +16 42.7 | 1.915 | 2.598 | 19.4 | 21.8 |

**99056** 2001 $EE_{20}$ 5 25.8 181°.38 1°.2/25.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.73 | −18 29.8 | 2.481 | 3.320 | 11.1 | 20.9 |
| 5 1 | 16 31.04 | −18 10.4 | 2.399 | 3.321 | 8.3 | 20.7 |
| 5 11 | 16 23.67 | −17 48.3 | 2.342 | 3.321 | 5.1 | 20.5 |
| 5 21 | 16 15.20 | −17 24.9 | 2.313 | 3.321 | 1.9 | 20.3 |
| 5 31 | 16 6.37 | −17 1.7 | 2.313 | 3.321 | 2.4 | 20.3 |
| 6 10 | 15 58.00 | −16 41.1 | 2.342 | 3.319 | 5.7 | 20.5 |
| 6 20 | 15 50.77 | −16 25.1 | 2.398 | 3.317 | 8.8 | 20.7 |
| 6 30 | 15 45.22 | −16 15.4 | 2.478 | 3.315 | 11.6 | 20.9 |

**38312** 1999 $RO_{107}$ 5 25.8 224°.00 0°.2/25.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.94 | −23 31.5 | 2.567 | 3.405 | 10.8 | 19.4 |
| 5 1 | 16 28.99 | −23 6.0 | 2.479 | 3.400 | 8.1 | 19.2 |
| 5 11 | 16 22.42 | −22 34.3 | 2.416 | 3.395 | 5.0 | 19.0 |
| 5 21 | 16 14.79 | −21 57.5 | 2.381 | 3.389 | 1.7 | 18.7 |
| 5 31 | 16 6.82 | −21 17.4 | 2.374 | 3.384 | 1.8 | 18.7 |
| 6 10 | 15 59.27 | −20 36.8 | 2.395 | 3.378 | 5.1 | 19.0 |
| 6 20 | 15 52.80 | −19 58.6 | 2.444 | 3.372 | 8.3 | 19.2 |
| 6 30 | 15 47.95 | −19 25.5 | 2.517 | 3.366 | 11.0 | 19.3 |

**124991** 2001 $TY_{143}$ 5 25.8 319°.67 4°.0/24.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.96 | −14 13.6 | 1.167 | 2.048 | 18.0 | 19.5 |
| 5 1 | 16 32.18 | −13 49.5 | 1.093 | 2.035 | 13.8 | 19.2 |
| 5 11 | 16 25.21 | −13 26.4 | 1.039 | 2.023 | 8.9 | 18.9 |
| 5 21 | 16 15.88 | −13 7.8 | 1.006 | 2.012 | 4.6 | 18.6 |
| 5 31 | 16 5.57 | −12 57.8 | 0.996 | 2.001 | 5.5 | 18.6 |
| 6 10 | 15 55.95 | −12 59.8 | 1.009 | 1.991 | 10.5 | 18.9 |
| 6 20 | 15 48.45 | −13 15.7 | 1.043 | 1.981 | 15.6 | 19.1 |
| 6 30 | 15 44.08 | −13 46.1 | 1.095 | 1.973 | 20.1 | 19.4 |

**654** Zelinda 5 25.8 85°.55 6°.9/29.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 47.99 | −41 19.3 | 1.500 | 2.300 | 18.9 | 12.2 |
| 5 1 | 16 40.45 | −41 0.1 | 1.446 | 2.326 | 15.4 | 12.0 |
| 5 11 | 16 29.70 | −40 14.5 | 1.411 | 2.352 | 11.6 | 11.8 |
| 5 21 | 16 17.12 | −39 0.3 | 1.399 | 2.377 | 8.2 | 11.7 |
| 5 31 | 16 4.48 | −37 20.3 | 1.412 | 2.402 | 6.9 | 11.7 |
| 6 10 | 15 53.47 | −35 23.2 | 1.452 | 2.426 | 8.8 | 11.9 |
| 6 20 | 15 45.22 | −33 20.4 | 1.517 | 2.450 | 12.0 | 12.1 |
| 6 30 | 15 40.27 | −31 22.7 | 1.605 | 2.473 | 15.2 | 12.4 |

**207724** 2007 $RY_{149}$ 5 25.8 246°.41 1°.7/26.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.08 | −27 42.8 | 2.325 | 3.154 | 12.0 | 21.7 |
| 5 1 | 16 31.67 | −27 32.9 | 2.227 | 3.140 | 9.3 | 21.4 |
| 5 11 | 16 24.25 | −27 13.9 | 2.152 | 3.125 | 6.1 | 21.2 |
| 5 21 | 16 15.45 | −26 45.5 | 2.104 | 3.109 | 2.8 | 21.0 |
| 5 31 | 16 6.11 | −26 8.8 | 2.085 | 3.093 | 2.4 | 20.9 |
| 6 10 | 15 57.19 | −25 26.5 | 2.093 | 3.076 | 5.7 | 21.1 |
| 6 20 | 15 49.54 | −24 42.5 | 2.128 | 3.060 | 9.2 | 21.3 |
| 6 30 | 15 43.81 | −24 0.7 | 2.188 | 3.042 | 12.3 | 21.5 |

**102244** 1999 $TJ_{26}$ 5 25.8 216°.06 0°.9/25.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.90 | −20 33.2 | 1.869 | 2.717 | 13.8 | 20.1 |
| 5 1 | 16 33.27 | −20 5.8 | 1.784 | 2.710 | 10.4 | 19.9 |
| 5 11 | 16 25.33 | −19 32.8 | 1.722 | 2.703 | 6.4 | 19.6 |
| 5 21 | 16 15.82 | −18 55.5 | 1.686 | 2.695 | 2.2 | 19.3 |
| 5 31 | 16 5.73 | −18 16.6 | 1.678 | 2.687 | 2.7 | 19.4 |
| 6 10 | 15 56.21 | −17 39.7 | 1.697 | 2.678 | 7.0 | 19.6 |
| 6 20 | 15 48.22 | −17 8.4 | 1.742 | 2.669 | 11.1 | 19.8 |
| 6 30 | 15 42.48 | −16 46.0 | 1.809 | 2.659 | 14.6 | 20.0 |

**284100** 2005 $QG_{55}$ 5 25.8 296°.43 2°.8/24.9 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.35 | −17 0.7 | 1.193 | 2.071 | 17.9 | 21.2 |
| 5 1 | 16 33.35 | −16 36.6 | 1.112 | 2.053 | 13.7 | 20.9 |
| 5 11 | 16 26.03 | −16 9.6 | 1.050 | 2.036 | 8.7 | 20.5 |
| 5 21 | 16 16.19 | −15 42.1 | 1.010 | 2.018 | 3.7 | 20.2 |
| 5 31 | 16 5.23 | −15 18.1 | 0.994 | 2.001 | 4.6 | 20.2 |
| 6 10 | 15 54.86 | −15 2.0 | 1.000 | 1.984 | 10.2 | 20.4 |
| 6 20 | 15 46.60 | −14 57.6 | 1.027 | 1.967 | 15.6 | 20.7 |
| 6 30 | 15 41.57 | −15 7.3 | 1.073 | 1.951 | 20.4 | 20.9 |

**478044** 2011 $SZ_{259}$ 5 25.8 175°.81 2°.4/24.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.47 | −15 6.7 | 2.661 | 3.504 | 10.3 | 22.4 |
| 5 1 | 16 28.48 | −14 25.4 | 2.582 | 3.506 | 7.7 | 22.2 |
| 5 11 | 16 22.04 | −13 43.2 | 2.530 | 3.507 | 4.9 | 22.1 |
| 5 21 | 16 14.67 | −13 2.0 | 2.504 | 3.508 | 2.6 | 21.9 |
| 5 31 | 16 7.03 | −12 24.6 | 2.508 | 3.508 | 3.2 | 21.9 |
| 6 10 | 15 59.81 | −11 53.2 | 2.541 | 3.509 | 5.9 | 22.1 |
| 6 20 | 15 53.58 | −11 29.8 | 2.600 | 3.508 | 8.6 | 22.3 |
| 6 30 | 15 48.83 | −11 15.6 | 2.682 | 3.508 | 11.1 | 22.5 |

**105736** 2000 $SK_{86}$ 5 25.8 207.°00 0.°2/25.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.76 | −20 13.6 | 1.998 | 2.843 | 13.1 | 19.6 |
| 5 1 | 16 33.07 | −20 23.9 | 1.916 | 2.840 | 9.9 | 19.4 |
| 5 11 | 16 25.18 | −20 31.5 | 1.857 | 2.837 | 6.1 | 19.2 |
| 5 21 | 16 15.77 | −20 36.3 | 1.824 | 2.833 | 2.0 | 18.9 |
| 5 31 | 16 5.79 | −20 38.9 | 1.819 | 2.829 | 2.3 | 18.9 |
| 6 10 | 15 56.31 | −20 40.6 | 1.842 | 2.825 | 6.4 | 19.2 |
| 6 20 | 15 48.24 | −20 43.6 | 1.891 | 2.821 | 10.2 | 19.4 |
| 6 30 | 15 42.32 | −20 49.8 | 1.963 | 2.816 | 13.5 | 19.6 |

**447443** 2006 $ET_{6}$ 5 25.8 156.°26 18.°0/16.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.03 | +13 45.6 | 1.293 | 2.102 | 20.8 | 21.0 |
| 5 1 | 16 34.53 | +16 23.8 | 1.258 | 2.107 | 19.2 | 20.9 |
| 5 11 | 16 26.22 | +18 32.8 | 1.241 | 2.112 | 18.2 | 20.8 |
| 5 21 | 16 16.10 | +20 0.7 | 1.243 | 2.116 | 18.1 | 20.8 |
| 5 31 | 16 5.52 | +20 39.8 | 1.263 | 2.120 | 19.1 | 20.9 |
| 6 10 | 15 55.91 | +20 29.3 | 1.300 | 2.123 | 20.6 | 21.0 |
| 6 20 | 15 48.38 | +19 34.7 | 1.352 | 2.125 | 22.4 | 21.2 |
| 6 30 | 15 43.67 | +18 4.4 | 1.417 | 2.127 | 24.2 | 21.3 |

**499939** 2011 $HC_{51}$ 5 25.8 9.°85 5.°3/24.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.33 | − 7 50.2 | 1.654 | 2.510 | 14.8 | 20.8 |
| 5 1 | 16 31.40 | − 7 35.1 | 1.586 | 2.511 | 11.5 | 20.6 |
| 5 11 | 16 24.19 | − 7 27.5 | 1.540 | 2.512 | 8.1 | 20.4 |
| 5 21 | 16 15.44 | − 7 30.4 | 1.519 | 2.513 | 5.6 | 20.3 |
| 5 31 | 16 6.19 | − 7 46.0 | 1.523 | 2.515 | 6.2 | 20.3 |
| 6 10 | 15 57.56 | − 8 15.2 | 1.553 | 2.517 | 9.2 | 20.5 |
| 6 20 | 15 50.49 | − 8 57.2 | 1.606 | 2.519 | 12.7 | 20.7 |
| 6 30 | 15 45.69 | − 9 50.6 | 1.680 | 2.522 | 15.9 | 20.9 |

**427897** 2005 $UK_{37}$ 5 25.8 139.°47 2.°4/24.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.69 | −15 49.7 | 2.464 | 3.302 | 11.2 | 22.3 |
| 5 1 | 16 31.58 | −15 2.9 | 2.397 | 3.318 | 8.3 | 22.2 |
| 5 11 | 16 23.90 | −14 14.5 | 2.356 | 3.333 | 5.3 | 22.0 |
| 5 21 | 16 15.26 | −13 27.0 | 2.343 | 3.347 | 2.6 | 21.9 |
| 5 31 | 16 6.43 | −12 43.3 | 2.360 | 3.361 | 3.3 | 21.9 |
| 6 10 | 15 58.16 | −12 6.2 | 2.406 | 3.374 | 6.2 | 22.1 |
| 6 20 | 15 51.09 | −11 37.7 | 2.479 | 3.385 | 9.1 | 22.3 |
| 6 30 | 15 45.70 | −11 19.2 | 2.575 | 3.397 | 11.6 | 22.5 |

**480560** 2015 $MB_{66}$ 5 25.8 278.°91 1.°4/26.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.36 | −27 13.8 | 2.340 | 3.174 | 11.8 | 21.1 |
| 5 1 | 16 29.56 | −26 57.0 | 2.249 | 3.165 | 9.0 | 20.9 |
| 5 11 | 16 22.90 | −26 31.4 | 2.182 | 3.156 | 5.8 | 20.7 |
| 5 21 | 16 15.00 | −25 57.2 | 2.141 | 3.146 | 2.5 | 20.4 |
| 5 31 | 16 6.67 | −25 16.0 | 2.128 | 3.137 | 2.2 | 20.4 |
| 6 10 | 15 58.79 | −24 30.7 | 2.143 | 3.128 | 5.5 | 20.6 |
| 6 20 | 15 52.14 | −23 45.0 | 2.185 | 3.118 | 8.8 | 20.8 |
| 6 30 | 15 47.31 | −23 2.7 | 2.251 | 3.109 | 11.8 | 20.9 |

**211852** 2004 $FS_{141}$ 5 25.8 3.°76 1.°4/26.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.24 | −25 5.5 | 1.471 | 2.338 | 15.8 | 19.7 |
| 5 1 | 16 28.81 | −25 4.6 | 1.403 | 2.337 | 12.0 | 19.5 |
| 5 11 | 16 22.80 | −24 54.7 | 1.356 | 2.338 | 7.6 | 19.3 |
| 5 21 | 16 15.02 | −24 35.9 | 1.332 | 2.340 | 3.0 | 19.0 |
| 5 31 | 16 6.67 | −24 10.0 | 1.332 | 2.343 | 2.7 | 19.0 |
| 6 10 | 15 59.06 | −23 40.6 | 1.357 | 2.347 | 7.3 | 19.2 |
| 6 20 | 15 53.25 | −23 12.1 | 1.406 | 2.352 | 11.7 | 19.5 |
| 6 30 | 15 50.01 | −22 48.7 | 1.475 | 2.359 | 15.5 | 19.8 |

**357501** 2004 $PO_{83}$ 5 25.8 307.°33 9.°3/28.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.87 | −45 24.8 | 2.135 | 2.900 | 15.0 | 20.2 |
| 5 1 | 16 35.63 | −46 34.2 | 2.034 | 2.876 | 13.1 | 20.0 |
| 5 11 | 16 27.33 | −47 27.6 | 1.953 | 2.852 | 11.2 | 19.8 |
| 5 21 | 16 16.63 | −47 59.0 | 1.895 | 2.828 | 9.8 | 19.7 |
| 5 31 | 16 4.75 | −48 4.2 | 1.861 | 2.804 | 9.4 | 19.6 |
| 6 10 | 15 53.23 | −47 42.8 | 1.851 | 2.780 | 10.3 | 19.6 |
| 6 20 | 15 43.51 | −46 58.8 | 1.864 | 2.757 | 12.3 | 19.7 |
| 6 30 | 15 36.68 | −45 59.3 | 1.899 | 2.734 | 14.6 | 19.8 |

**437465** 2013 $YO_{31}$ 5 25.8 170.°15 0.°6/26.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.32 | −24 27.4 | 2.069 | 2.912 | 12.8 | 21.3 |
| 5 1 | 16 31.11 | −24 8.5 | 1.991 | 2.913 | 9.7 | 21.1 |
| 5 11 | 16 23.89 | −23 41.9 | 1.936 | 2.914 | 6.1 | 20.8 |
| 5 21 | 16 15.33 | −23 8.5 | 1.906 | 2.915 | 2.2 | 20.6 |
| 5 31 | 16 6.36 | −22 30.2 | 1.905 | 2.915 | 2.1 | 20.6 |
| 6 10 | 15 57.97 | −21 50.4 | 1.931 | 2.916 | 6.0 | 20.8 |
| 6 20 | 15 50.98 | −21 12.6 | 1.984 | 2.916 | 9.6 | 21.0 |
| 6 30 | 15 46.03 | −20 40.3 | 2.059 | 2.916 | 12.8 | 21.2 |

**120771** 1998 $DD_{8}$ 5 25.8 227.°63 5.°1/23.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.20 | − 6 46.0 | 2.313 | 3.149 | 11.9 | 20.0 |
| 5 1 | 16 31.55 | − 6 9.7 | 2.225 | 3.136 | 9.3 | 19.8 |
| 5 11 | 16 24.10 | − 5 38.1 | 2.160 | 3.123 | 6.8 | 19.7 |
| 5 21 | 16 15.41 | − 5 14.3 | 2.123 | 3.108 | 5.1 | 19.5 |
| 5 31 | 16 6.23 | − 5 1.2 | 2.113 | 3.093 | 5.8 | 19.5 |
| 6 10 | 15 57.42 | − 5 0.8 | 2.131 | 3.078 | 8.2 | 19.7 |
| 6 20 | 15 49.73 | − 5 13.5 | 2.174 | 3.061 | 11.0 | 19.8 |
| 6 30 | 15 43.75 | − 5 39.2 | 2.240 | 3.044 | 13.7 | 20.0 |

**230063** 2000 $SH_{350}$ 5 25.8 207.°14 7.°3/21.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.76 | + 0 58.9 | 2.502 | 3.320 | 11.6 | 21.7 |
| 5 1 | 16 30.27 | + 2 1.2 | 2.426 | 3.313 | 9.7 | 21.6 |
| 5 11 | 16 23.20 | + 2 54.9 | 2.375 | 3.306 | 8.0 | 21.4 |
| 5 21 | 16 15.08 | + 3 35.7 | 2.350 | 3.298 | 7.3 | 21.4 |
| 5 31 | 16 6.61 | + 4 0.1 | 2.351 | 3.289 | 8.0 | 21.4 |
| 6 10 | 15 58.53 | + 4 6.3 | 2.379 | 3.279 | 9.6 | 21.5 |
| 6 20 | 15 51.48 | + 3 54.3 | 2.430 | 3.269 | 11.7 | 21.6 |
| 6 30 | 15 45.98 | + 3 25.5 | 2.503 | 3.258 | 13.7 | 21.7 |

**437191** 2012 $VO_{102}$ 5 25.8 210.°90 1.°5/26.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.47 | −24 5.9 | 2.131 | 2.968 | 12.7 | 21.6 |
| 5 1 | 16 32.82 | −24 35.0 | 2.048 | 2.967 | 9.6 | 21.4 |
| 5 11 | 16 25.02 | −24 59.6 | 1.990 | 2.965 | 6.2 | 21.1 |
| 5 21 | 16 15.73 | −25 18.4 | 1.957 | 2.964 | 2.6 | 20.9 |
| 5 31 | 16 5.88 | −25 31.0 | 1.953 | 2.962 | 2.4 | 20.9 |
| 6 10 | 15 56.48 | −25 38.2 | 1.977 | 2.960 | 6.0 | 21.1 |
| 6 20 | 15 48.45 | −25 42.2 | 2.027 | 2.958 | 9.5 | 21.3 |
| 6 30 | 15 42.48 | −25 45.5 | 2.100 | 2.956 | 12.6 | 21.5 |

**302182** 2001 $TF_{132}$ 5 25.8 203.°67 1.°3/26.2 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.91 | −24 50.3 | 1.700 | 2.543 | 15.1 | 22.0 |
| 5 1 | 16 35.86 | −24 51.4 | 1.618 | 2.540 | 11.5 | 21.8 |
| 5 11 | 16 27.11 | −24 44.3 | 1.558 | 2.535 | 7.3 | 21.5 |
| 5 21 | 16 16.46 | −24 28.3 | 1.523 | 2.530 | 2.8 | 21.2 |
| 5 31 | 16 5.10 | −24 4.3 | 1.515 | 2.524 | 2.7 | 21.2 |
| 6 10 | 15 54.40 | −23 35.5 | 1.533 | 2.518 | 7.2 | 21.5 |
| 6 20 | 15 45.50 | −23 6.2 | 1.577 | 2.511 | 11.6 | 21.7 |
| 6 30 | 15 39.24 | −22 40.9 | 1.643 | 2.504 | 15.3 | 21.9 |

**463116** 2011 $UR_{251}$ 5 25.8 138.°36 1.°3/25.3 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.36 | −18 31.8 | 1.708 | 2.557 | 14.8 | 22.7 |
| 5 1 | 16 35.09 | −18 20.0 | 1.641 | 2.568 | 11.1 | 22.5 |
| 5 11 | 16 26.42 | −18 5.5 | 1.598 | 2.579 | 6.8 | 22.3 |
| 5 21 | 16 16.17 | −17 49.2 | 1.580 | 2.588 | 2.4 | 22.0 |
| 5 31 | 16 5.48 | −17 33.2 | 1.589 | 2.598 | 3.0 | 22.1 |
| 6 10 | 15 55.57 | −17 20.3 | 1.626 | 2.606 | 7.3 | 22.4 |
| 6 20 | 15 47.41 | −17 12.8 | 1.687 | 2.614 | 11.4 | 22.6 |
| 6 30 | 15 41.70 | −17 12.9 | 1.770 | 2.622 | 14.8 | 22.9 |

**342684** 2008 $VB_{53}$ 5 25.8 263.°20 0.°2/25.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.54 | −22 53.0 | 1.922 | 2.770 | 13.4 | 21.7 |
| 5 1 | 16 31.54 | −22 38.4 | 1.834 | 2.760 | 10.2 | 21.5 |
| 5 11 | 16 24.31 | −22 17.2 | 1.769 | 2.749 | 6.3 | 21.2 |
| 5 21 | 16 15.52 | −21 50.0 | 1.730 | 2.739 | 2.1 | 20.9 |
| 5 31 | 16 6.15 | −21 18.5 | 1.718 | 2.728 | 2.3 | 20.9 |
| 6 10 | 15 57.27 | −20 46.0 | 1.733 | 2.717 | 6.6 | 21.2 |
| 6 20 | 15 49.85 | −20 16.0 | 1.773 | 2.706 | 10.5 | 21.4 |
| 6 30 | 15 44.59 | −19 52.0 | 1.836 | 2.695 | 14.0 | 21.6 |

**45315** 2000 $AJ_{61}$ 5 25.8 229.°25 0.°6/25.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.04 | −23 4.6 | 1.957 | 2.798 | 13.5 | 19.7 |
| 5 1 | 16 34.20 | −23 5.2 | 1.866 | 2.787 | 10.3 | 19.4 |
| 5 11 | 16 25.99 | −23 0.0 | 1.797 | 2.775 | 6.5 | 19.2 |
| 5 21 | 16 16.09 | −22 48.7 | 1.755 | 2.763 | 2.3 | 18.9 |
| 5 31 | 16 5.51 | −22 32.0 | 1.740 | 2.750 | 2.3 | 18.9 |
| 6 10 | 15 55.40 | −22 12.5 | 1.753 | 2.737 | 6.6 | 19.1 |
| 6 20 | 15 46.76 | −21 53.3 | 1.792 | 2.722 | 10.6 | 19.3 |
| 6 30 | 15 40.39 | −21 37.9 | 1.854 | 2.708 | 14.1 | 19.5 |

**205309** 2000 $SQ_{376}$ 5 25.8 298.°26 4.°5/24.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.41 | −13 33.0 | 1.352 | 2.224 | 16.6 | 20.4 |
| 5 1 | 16 32.09 | −12 47.2 | 1.277 | 2.214 | 12.7 | 20.1 |
| 5 11 | 16 24.94 | −12 1.1 | 1.222 | 2.203 | 8.4 | 19.8 |
| 5 21 | 16 15.78 | −11 19.1 | 1.191 | 2.193 | 4.9 | 19.6 |
| 5 31 | 16 5.86 | −10 46.3 | 1.183 | 2.184 | 5.9 | 19.6 |
| 6 10 | 15 56.59 | −10 27.1 | 1.200 | 2.174 | 10.2 | 19.8 |
| 6 20 | 15 49.20 | −10 24.0 | 1.239 | 2.165 | 14.7 | 20.1 |
| 6 30 | 15 44.56 | −10 37.8 | 1.296 | 2.155 | 18.7 | 20.3 |

**88184** 2000 $XA_{42}$ 5 25.8 178.°78 4.°8/28.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.58 | −37 19.8 | 2.537 | 3.325 | 12.3 | 20.0 |
| 5 1 | 16 34.98 | −37 39.8 | 2.451 | 3.327 | 10.0 | 19.8 |
| 5 11 | 16 26.26 | −37 46.9 | 2.389 | 3.328 | 7.6 | 19.6 |
| 5 21 | 16 16.13 | −37 38.6 | 2.352 | 3.329 | 5.5 | 19.5 |
| 5 31 | 16 5.53 | −37 14.4 | 2.344 | 3.329 | 4.9 | 19.5 |
| 6 10 | 15 55.50 | −36 36.5 | 2.363 | 3.328 | 6.5 | 19.6 |
| 6 20 | 15 46.92 | −35 48.8 | 2.410 | 3.327 | 8.9 | 19.7 |
| 6 30 | 15 40.43 | −34 56.5 | 2.480 | 3.325 | 11.3 | 19.9 |

**41679** 2000 $UC_{8}$ 5 25.8 156.°84 0.°7/25.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.44 | −20 37.0 | 1.786 | 2.633 | 14.3 | 19.5 |
| 5 1 | 16 34.39 | −20 18.0 | 1.714 | 2.640 | 10.7 | 19.3 |
| 5 11 | 16 25.99 | −19 53.9 | 1.665 | 2.646 | 6.6 | 19.0 |
| 5 21 | 16 16.05 | −19 25.8 | 1.642 | 2.651 | 2.2 | 18.7 |
| 5 31 | 16 5.65 | −18 56.1 | 1.647 | 2.656 | 2.6 | 18.8 |
| 6 10 | 15 55.96 | −18 28.1 | 1.678 | 2.660 | 7.0 | 19.1 |
| 6 20 | 15 47.96 | −18 5.1 | 1.735 | 2.664 | 11.0 | 19.3 |
| 6 30 | 15 42.31 | −17 49.9 | 1.815 | 2.667 | 14.5 | 19.5 |

**302008** 2000 $RT_{84}$ 5 25.8 237°.08 4°.8/22.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.18 | − 6 56.5 | 2.625 | 3.464 | 10.5 | 21.6 |
| 5 1 | 16 28.35 | − 6 6.8 | 2.539 | 3.452 | 8.3 | 21.4 |
| 5 11 | 16 22.04 | − 5 20.5 | 2.478 | 3.440 | 6.1 | 21.2 |
| 5 21 | 16 14.73 | − 4 40.9 | 2.444 | 3.427 | 4.8 | 21.1 |
| 5 31 | 16 7.06 | − 4 10.9 | 2.438 | 3.414 | 5.5 | 21.1 |
| 6 10 | 15 59.72 | − 3 52.7 | 2.460 | 3.401 | 7.6 | 21.3 |
| 6 20 | 15 53.32 | − 3 47.5 | 2.506 | 3.387 | 10.0 | 21.4 |
| 6 30 | 15 48.37 | − 3 55.2 | 2.576 | 3.373 | 12.3 | 21.5 |

**133289** 2003 $SX_{27}$ 5 25.8 210°.53 3°.1/24.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.12 | −14 38.6 | 2.129 | 2.979 | 12.2 | 20.1 |
| 5 1 | 16 30.09 | −13 46.9 | 2.049 | 2.976 | 9.2 | 19.9 |
| 5 11 | 16 23.21 | −12 53.8 | 1.994 | 2.972 | 6.0 | 19.7 |
| 5 21 | 16 15.12 | −12 2.2 | 1.966 | 2.968 | 3.4 | 19.6 |
| 5 31 | 16 6.65 | −11 15.8 | 1.965 | 2.964 | 4.2 | 19.6 |
| 6 10 | 15 58.67 | −10 38.1 | 1.992 | 2.959 | 7.3 | 19.8 |
| 6 20 | 15 51.94 | −10 11.5 | 2.044 | 2.954 | 10.6 | 20.0 |
| 6 30 | 15 47.05 | − 9 57.3 | 2.119 | 2.949 | 13.5 | 20.2 |

**386940** 2011 $OZ_{58}$ 5 25.8 342°.17 2°.0/25.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.90 | −16 10.3 | 1.595 | 2.461 | 14.8 | 20.2 |
| 5 1 | 16 30.61 | −16 9.2 | 1.519 | 2.454 | 11.2 | 20.0 |
| 5 11 | 16 23.87 | −16 8.6 | 1.464 | 2.447 | 7.0 | 19.7 |
| 5 21 | 16 15.41 | −16 9.5 | 1.433 | 2.441 | 2.9 | 19.4 |
| 5 31 | 16 6.30 | −16 13.8 | 1.428 | 2.436 | 3.5 | 19.4 |
| 6 10 | 15 57.74 | −16 23.0 | 1.449 | 2.431 | 7.8 | 19.7 |
| 6 20 | 15 50.80 | −16 38.6 | 1.493 | 2.427 | 12.0 | 19.9 |
| 6 30 | 15 46.26 | −17 1.7 | 1.558 | 2.424 | 15.7 | 20.1 |

**17053** 1999 $FX_{56}$ 5 25.8 306°.69 0°.3/25.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.21 | −20 47.5 | 1.983 | 2.834 | 12.9 | 18.1 |
| 5 1 | 16 30.46 | −20 44.6 | 1.899 | 2.826 | 9.7 | 17.9 |
| 5 11 | 16 23.61 | −20 37.9 | 1.838 | 2.819 | 6.0 | 17.6 |
| 5 21 | 16 15.30 | −20 27.9 | 1.803 | 2.812 | 2.0 | 17.4 |
| 5 31 | 16 6.46 | −20 15.8 | 1.795 | 2.805 | 2.3 | 17.4 |
| 6 10 | 15 58.09 | −20 3.9 | 1.815 | 2.799 | 6.4 | 17.6 |
| 6 20 | 15 51.08 | −19 54.6 | 1.859 | 2.792 | 10.1 | 17.8 |
| 6 30 | 15 46.11 | −19 50.2 | 1.926 | 2.786 | 13.5 | 18.0 |

**2440** Educatio 5 25.8 313°.36 1°.3/25.3 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.84 | −21 21.4 | 1.178 | 2.057 | 18.0 | 16.0 |
| 5 1 | 16 31.51 | −20 44.3 | 1.096 | 2.039 | 13.7 | 15.6 |
| 5 11 | 16 24.91 | −19 56.9 | 1.035 | 2.021 | 8.6 | 15.3 |
| 5 21 | 16 15.87 | −19 1.5 | 0.995 | 2.004 | 2.9 | 14.9 |
| 5 31 | 16 5.80 | −18 2.9 | 0.978 | 1.988 | 3.7 | 14.9 |
| 6 10 | 15 56.39 | −17 7.9 | 0.984 | 1.972 | 9.7 | 15.2 |
| 6 20 | 15 49.13 | −16 23.3 | 1.011 | 1.956 | 15.2 | 15.4 |
| 6 30 | 15 45.07 | −15 53.9 | 1.056 | 1.942 | 20.0 | 15.7 |

**288168** 2003 $WR_{155}$ 5 25.8 119°.29 3°.9/24.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.55 | −10 29.6 | 1.716 | 2.564 | 14.8 | 20.5 |
| 5 1 | 16 35.15 | −10 28.1 | 1.654 | 2.577 | 11.3 | 20.3 |
| 5 11 | 16 26.43 | −10 32.0 | 1.614 | 2.589 | 7.4 | 20.1 |
| 5 21 | 16 16.20 | −10 42.8 | 1.600 | 2.601 | 4.3 | 20.0 |
| 5 31 | 16 5.56 | −11 1.9 | 1.614 | 2.613 | 4.9 | 20.0 |
| 6 10 | 15 55.65 | −11 29.8 | 1.654 | 2.624 | 8.3 | 20.3 |
| 6 20 | 15 47.44 | −12 6.3 | 1.719 | 2.634 | 11.9 | 20.5 |
| 6 30 | 15 41.58 | −12 50.7 | 1.806 | 2.645 | 15.1 | 20.7 |

**105958** 2000 $SN_{252}$ 5 25.8 326°.75 3°.0/26.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.96 | −24 53.9 | 1.231 | 2.098 | 18.2 | 18.7 |
| 5 1 | 16 34.72 | −25 43.3 | 1.154 | 2.087 | 14.1 | 18.4 |
| 5 11 | 16 27.00 | −26 27.4 | 1.097 | 2.077 | 9.2 | 18.1 |
| 5 21 | 16 16.59 | −27 2.6 | 1.062 | 2.068 | 4.3 | 17.8 |
| 5 31 | 16 5.00 | −27 26.2 | 1.051 | 2.059 | 4.1 | 17.7 |
| 6 10 | 15 54.05 | −27 38.9 | 1.063 | 2.051 | 9.0 | 18.0 |
| 6 20 | 15 45.37 | −27 44.0 | 1.097 | 2.044 | 14.2 | 18.3 |
| 6 30 | 15 40.12 | −27 46.8 | 1.150 | 2.037 | 18.7 | 18.5 |

**361133** 2006 $GZ_{36}$ 5 25.8 350°.10 3°.4/24.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.95 | −16 57.8 | 0.996 | 1.893 | 19.0 | 19.8 |
| 5 1 | 16 28.73 | −16 21.3 | 0.933 | 1.884 | 14.4 | 19.5 |
| 5 11 | 16 23.20 | −15 41.1 | 0.887 | 1.876 | 9.1 | 19.2 |
| 5 21 | 16 15.29 | −15 1.7 | 0.862 | 1.870 | 4.1 | 18.9 |
| 5 31 | 16 6.51 | −14 28.5 | 0.858 | 1.865 | 5.2 | 19.0 |
| 6 10 | 15 58.59 | −14 7.3 | 0.875 | 1.862 | 10.7 | 19.2 |
| 6 20 | 15 52.97 | −14 1.5 | 0.911 | 1.860 | 16.0 | 19.5 |
| 6 30 | 15 50.60 | −14 12.6 | 0.964 | 1.861 | 20.6 | 19.8 |

**19657** 1999 $RE_{123}$ 5 25.8 354°.05 3°.6/27.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.43 | −30 23.8 | 1.319 | 2.175 | 17.9 | 16.8 |
| 5 1 | 16 33.18 | −30 20.6 | 1.248 | 2.173 | 14.0 | 16.6 |
| 5 11 | 16 25.74 | −30 1.1 | 1.197 | 2.171 | 9.5 | 16.3 |
| 5 21 | 16 16.08 | −29 23.9 | 1.167 | 2.170 | 5.0 | 16.0 |
| 5 31 | 16 5.69 | −28 30.5 | 1.162 | 2.169 | 4.2 | 16.0 |
| 6 10 | 15 56.23 | −27 26.7 | 1.180 | 2.169 | 8.3 | 16.2 |
| 6 20 | 15 49.03 | −26 20.2 | 1.221 | 2.169 | 13.0 | 16.5 |
| 6 30 | 15 44.97 | −25 18.9 | 1.283 | 2.169 | 17.2 | 16.7 |

**356545** 2011 $SZ_{174}$ 5 25.8 178°.31 4°.0/27.7 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.62 | −34 12.6 | 2.724 | 3.524 | 11.3 | 22.1 |
| 5 1 | 16 32.65 | −34 42.5 | 2.639 | 3.526 | 9.0 | 21.9 |
| 5 11 | 16 24.81 | −35 2.7 | 2.578 | 3.527 | 6.6 | 21.8 |
| 5 21 | 16 15.69 | −35 11.1 | 2.543 | 3.527 | 4.5 | 21.7 |
| 5 31 | 16 6.10 | −35 7.1 | 2.536 | 3.527 | 4.1 | 21.6 |
| 6 10 | 15 56.94 | −34 52.0 | 2.558 | 3.527 | 5.8 | 21.7 |
| 6 20 | 15 48.99 | −34 28.6 | 2.607 | 3.526 | 8.2 | 21.9 |
| 6 30 | 15 42.86 | −34 0.6 | 2.680 | 3.526 | 10.5 | 22.0 |

**395473** 2011 $UN_{29}$ 5 25.8 188°.72 3°.5/27.5 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.73 | −32 21.0 | 2.578 | 3.389 | 11.5 | 21.7 |
| 5 1 | 16 32.04 | −32 44.2 | 2.493 | 3.388 | 9.1 | 21.5 |
| 5 11 | 16 24.45 | −32 58.1 | 2.431 | 3.388 | 6.5 | 21.4 |
| 5 21 | 16 15.58 | −33 1.0 | 2.395 | 3.386 | 4.1 | 21.2 |
| 5 31 | 16 6.23 | −32 52.6 | 2.388 | 3.385 | 3.7 | 21.2 |
| 6 10 | 15 57.33 | −32 34.3 | 2.408 | 3.383 | 5.7 | 21.3 |
| 6 20 | 15 49.66 | −32 9.0 | 2.456 | 3.381 | 8.4 | 21.5 |
| 6 30 | 15 43.84 | −31 40.5 | 2.528 | 3.379 | 10.9 | 21.6 |

**250815** 2005 $UB_{58}$ 5 25.8 239°.30 1°.0/25.2 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.50 | −20 0.4 | 2.523 | 3.367 | 10.8 | 20.3 |
| 5 1 | 16 28.70 | −19 26.9 | 2.436 | 3.360 | 8.0 | 20.1 |
| 5 11 | 16 22.31 | −18 49.1 | 2.373 | 3.353 | 5.0 | 19.9 |
| 5 21 | 16 14.86 | −18 8.6 | 2.338 | 3.346 | 1.8 | 19.7 |
| 5 31 | 16 7.06 | −17 27.7 | 2.331 | 3.339 | 2.2 | 19.7 |
| 6 10 | 15 59.67 | −16 49.4 | 2.353 | 3.331 | 5.5 | 19.9 |
| 6 20 | 15 53.33 | −16 16.0 | 2.401 | 3.324 | 8.6 | 20.1 |
| 6 30 | 15 48.58 | −15 50.0 | 2.473 | 3.316 | 11.4 | 20.3 |

**500107** 2012 $BA_{91}$ 5 25.8 165°.37 4°.4/24.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.92 | −11 34.2 | 1.662 | 2.517 | 14.8 | 21.4 |
| 5 1 | 16 33.35 | −11 1.7 | 1.593 | 2.520 | 11.3 | 21.2 |
| 5 11 | 16 25.43 | −10 32.0 | 1.546 | 2.522 | 7.6 | 21.0 |
| 5 21 | 16 15.93 | −10 8.3 | 1.524 | 2.524 | 4.6 | 20.8 |
| 5 31 | 16 5.93 | − 9 53.9 | 1.529 | 2.526 | 5.4 | 20.9 |
| 6 10 | 15 56.61 | − 9 51.3 | 1.560 | 2.527 | 8.9 | 21.1 |
| 6 20 | 15 48.94 | −10 1.4 | 1.614 | 2.528 | 12.6 | 21.3 |
| 6 30 | 15 43.61 | −10 24.2 | 1.690 | 2.529 | 16.0 | 21.5 |

**384972** 2012 $TN_{161}$ 5 25.8 294°.30 2°.5/24.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.84 | −16 29.0 | 1.904 | 2.760 | 13.2 | 21.2 |
| 5 1 | 16 30.13 | −15 51.6 | 1.827 | 2.757 | 9.9 | 21.0 |
| 5 11 | 16 23.38 | −15 11.9 | 1.773 | 2.754 | 6.2 | 20.7 |
| 5 21 | 16 15.25 | −14 32.6 | 1.745 | 2.751 | 2.9 | 20.5 |
| 5 31 | 16 6.68 | −13 56.9 | 1.744 | 2.748 | 3.7 | 20.6 |
| 6 10 | 15 58.66 | −13 28.0 | 1.770 | 2.745 | 7.3 | 20.8 |
| 6 20 | 15 52.02 | −13 8.6 | 1.820 | 2.742 | 11.0 | 21.0 |
| 6 30 | 15 47.41 | −13 0.3 | 1.892 | 2.740 | 14.2 | 21.2 |

**243300** 2008 $EN_{123}$ 5 25.8 319°.70 3°.8/24.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.38 | − 9 46.5 | 2.233 | 3.080 | 11.8 | 20.1 |
| 5 1 | 16 29.49 | − 9 34.1 | 2.155 | 3.077 | 9.1 | 19.9 |
| 5 11 | 16 22.87 | − 9 25.9 | 2.102 | 3.074 | 6.2 | 19.7 |
| 5 21 | 16 15.07 | − 9 23.8 | 2.074 | 3.071 | 4.0 | 19.6 |
| 5 31 | 16 6.87 | − 9 29.8 | 2.074 | 3.068 | 4.5 | 19.6 |
| 6 10 | 15 59.10 | − 9 44.7 | 2.101 | 3.065 | 7.2 | 19.8 |
| 6 20 | 15 52.46 | −10 9.0 | 2.154 | 3.063 | 10.2 | 19.9 |
| 6 30 | 15 47.54 | −10 42.3 | 2.229 | 3.060 | 12.9 | 20.1 |

**307120** 2002 $CH_{117}$ 5 25.8 51°.24 5°.6/28.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.85 | −38 8.3 | 2.179 | 2.979 | 13.7 | 20.4 |
| 5 1 | 16 32.50 | −38 30.7 | 2.105 | 2.986 | 11.2 | 20.3 |
| 5 11 | 16 24.87 | −38 38.2 | 2.053 | 2.993 | 8.5 | 20.1 |
| 5 21 | 16 15.75 | −38 28.4 | 2.025 | 3.000 | 6.3 | 20.0 |
| 5 31 | 16 6.17 | −38 0.9 | 2.023 | 3.007 | 5.7 | 20.0 |
| 6 10 | 15 57.28 | −37 18.4 | 2.048 | 3.014 | 7.2 | 20.1 |
| 6 20 | 15 49.99 | −36 25.5 | 2.098 | 3.022 | 9.6 | 20.2 |
| 6 30 | 15 44.98 | −35 28.2 | 2.171 | 3.029 | 12.2 | 20.4 |

**30807** 1989 $UQ_{5}$ 5 25.8 317°.88 1°.2/24.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 27.17 | −16 19.7 | 4.141 | 4.981 | 7.0 | 19.1 |
| 5 1 | 16 23.46 | −16 2.6 | 4.056 | 4.978 | 5.2 | 19.0 |
| 5 11 | 16 18.87 | −15 44.9 | 3.997 | 4.975 | 3.2 | 18.8 |
| 5 21 | 16 13.71 | −15 27.6 | 3.966 | 4.972 | 1.4 | 18.7 |
| 5 31 | 16 8.37 | −15 11.7 | 3.964 | 4.969 | 1.8 | 18.7 |
| 6 10 | 16 3.24 | −14 58.4 | 3.992 | 4.966 | 3.7 | 18.8 |
| 6 20 | 15 58.69 | −14 48.6 | 4.047 | 4.963 | 5.6 | 19.0 |
| 6 30 | 15 55.02 | −14 43.1 | 4.128 | 4.960 | 7.4 | 19.1 |

**132094** 2002 $CH_{186}$ 5 25.8 203°.57 6°.7/23.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.48 | − 3 43.6 | 1.972 | 2.812 | 13.4 | 20.4 |
| 5 1 | 16 31.21 | − 3 1.2 | 1.900 | 2.810 | 10.8 | 20.2 |
| 5 11 | 16 23.98 | − 2 26.9 | 1.852 | 2.808 | 8.2 | 20.1 |
| 5 21 | 16 15.45 | − 2 5.0 | 1.828 | 2.805 | 6.7 | 20.0 |
| 5 31 | 16 6.49 | − 1 58.7 | 1.831 | 2.802 | 7.4 | 20.0 |
| 6 10 | 15 58.04 | − 2 9.6 | 1.860 | 2.799 | 9.7 | 20.1 |
| 6 20 | 15 50.91 | − 2 37.4 | 1.912 | 2.795 | 12.5 | 20.3 |
| 6 30 | 15 45.72 | − 3 20.4 | 1.986 | 2.791 | 15.1 | 20.5 |

**255798** 2006 $SG_{13}$ 5 25.8 194°.73 4°.4/23.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.05 | −10 34.5 | 2.112 | 2.955 | 12.6 | 21.6 |
| 5 1 | 16 32.28 | − 9 44.9 | 2.033 | 2.952 | 9.7 | 21.4 |
| 5 11 | 16 24.60 | − 8 57.0 | 1.979 | 2.949 | 6.6 | 21.2 |
| 5 21 | 16 15.65 | − 8 14.3 | 1.951 | 2.945 | 4.5 | 21.1 |
| 5 31 | 16 6.28 | − 7 40.3 | 1.951 | 2.941 | 5.3 | 21.1 |
| 6 10 | 15 57.41 | − 7 17.9 | 1.979 | 2.935 | 8.1 | 21.3 |
| 6 20 | 15 49.83 | − 7 8.7 | 2.032 | 2.929 | 11.2 | 21.5 |
| 6 30 | 15 44.15 | − 7 13.0 | 2.107 | 2.922 | 14.1 | 21.6 |

**233742** 2008 $SB_{272}$ 5 25.8 263°.03 7°.0/22.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.37 | − 3 27.2 | 2.042 | 2.882 | 13.1 | 20.2 |
| 5 1 | 16 30.46 | − 2 29.7 | 1.956 | 2.865 | 10.6 | 20.0 |
| 5 11 | 16 23.59 | − 1 38.8 | 1.894 | 2.847 | 8.3 | 19.8 |
| 5 21 | 16 15.35 | − 0 59.3 | 1.856 | 2.828 | 7.0 | 19.7 |
| 5 31 | 16 6.56 | − 0 35.6 | 1.845 | 2.810 | 7.8 | 19.7 |
| 6 10 | 15 58.15 | − 0 30.3 | 1.859 | 2.791 | 10.2 | 19.8 |
| 6 20 | 15 50.94 | − 0 44.0 | 1.896 | 2.771 | 13.0 | 20.0 |
| 6 30 | 15 45.59 | − 1 15.6 | 1.955 | 2.752 | 15.6 | 20.1 |

**39663** 1995 $WM_{1}$ 5 25.8 209°.05 3°.3/26.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.21 | −29 33.3 | 2.248 | 3.067 | 12.7 | 20.0 |
| 5 1 | 16 34.97 | −30 12.8 | 2.159 | 3.062 | 10.0 | 19.8 |
| 5 11 | 16 26.46 | −30 44.6 | 2.093 | 3.057 | 6.9 | 19.6 |
| 5 21 | 16 16.32 | −31 6.2 | 2.055 | 3.051 | 4.0 | 19.5 |
| 5 31 | 16 5.51 | −31 16.4 | 2.044 | 3.045 | 3.7 | 19.4 |
| 6 10 | 15 55.12 | −31 16.0 | 2.062 | 3.039 | 6.3 | 19.6 |
| 6 20 | 15 46.12 | −31 7.6 | 2.106 | 3.032 | 9.5 | 19.8 |
| 6 30 | 15 39.27 | −30 55.2 | 2.174 | 3.024 | 12.5 | 19.9 |

**232098** 2001 $XR_{132}$ 5 25.8 204°.83 0°.5/25.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.08 | −21 31.7 | 2.238 | 3.077 | 12.1 | 21.8 |
| 5 1 | 16 32.34 | −21 6.0 | 2.150 | 3.072 | 9.1 | 21.6 |
| 5 11 | 16 24.66 | −20 34.7 | 2.087 | 3.066 | 5.6 | 21.4 |
| 5 21 | 16 15.68 | −19 58.9 | 2.051 | 3.060 | 1.9 | 21.1 |
| 5 31 | 16 6.25 | −19 20.8 | 2.043 | 3.053 | 2.2 | 21.1 |
| 6 10 | 15 57.31 | −18 43.3 | 2.064 | 3.045 | 6.0 | 21.4 |
| 6 20 | 15 49.66 | −18 9.8 | 2.112 | 3.037 | 9.5 | 21.6 |
| 6 30 | 15 43.92 | −17 43.1 | 2.183 | 3.028 | 12.6 | 21.8 |

**434775** 2006 $KU_{68}$ 5 25.8 307°.87 0°.5/25.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.59 | −20 0.6 | 1.729 | 2.582 | 14.5 | 20.2 |
| 5 1 | 16 33.60 | −20 39.2 | 1.632 | 2.560 | 11.0 | 19.9 |
| 5 11 | 16 25.95 | −21 18.0 | 1.558 | 2.539 | 6.9 | 19.6 |
| 5 21 | 16 16.24 | −21 55.7 | 1.508 | 2.517 | 2.4 | 19.3 |
| 5 31 | 16 5.53 | −22 30.9 | 1.486 | 2.496 | 2.5 | 19.2 |
| 6 10 | 15 55.09 | −23 3.5 | 1.490 | 2.475 | 7.3 | 19.5 |
| 6 20 | 15 46.13 | −23 34.4 | 1.518 | 2.455 | 11.8 | 19.7 |
| 6 30 | 15 39.65 | −24 5.4 | 1.569 | 2.434 | 15.7 | 19.9 |

**53331** 1999 $JW_{34}$ 5 25.8 42°.39 2°.9/26.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.24 | −28 7.6 | 2.103 | 2.934 | 13.1 | 17.7 |
| 5 1 | 16 32.76 | −28 43.3 | 2.024 | 2.936 | 10.1 | 17.5 |
| 5 11 | 16 25.07 | −29 11.7 | 1.969 | 2.938 | 6.8 | 17.3 |
| 5 21 | 16 15.85 | −29 30.7 | 1.939 | 2.939 | 3.7 | 17.1 |
| 5 31 | 16 6.06 | −29 39.7 | 1.937 | 2.941 | 3.3 | 17.1 |
| 6 10 | 15 56.78 | −29 39.7 | 1.963 | 2.943 | 6.2 | 17.3 |
| 6 20 | 15 48.94 | −29 33.4 | 2.014 | 2.945 | 9.6 | 17.5 |
| 6 30 | 15 43.25 | −29 24.3 | 2.088 | 2.948 | 12.6 | 17.7 |

**432284** 2009 $SW_{207}$ 5 25.8 177°.70 2°.3/26.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.07 | −27 56.9 | 2.133 | 2.961 | 13.0 | 22.6 |
| 5 1 | 16 34.01 | −28 5.4 | 2.052 | 2.963 | 10.0 | 22.4 |
| 5 11 | 16 25.78 | −28 5.1 | 1.994 | 2.964 | 6.6 | 22.2 |
| 5 21 | 16 16.06 | −27 55.2 | 1.962 | 2.965 | 3.2 | 21.9 |
| 5 31 | 16 5.85 | −27 35.8 | 1.958 | 2.965 | 2.8 | 21.9 |
| 6 10 | 15 56.21 | −27 9.5 | 1.983 | 2.965 | 6.1 | 22.1 |
| 6 20 | 15 48.05 | −26 39.7 | 2.033 | 2.964 | 9.5 | 22.3 |
| 6 30 | 15 42.04 | −26 10.7 | 2.108 | 2.963 | 12.6 | 22.5 |

**510437** 2011 $UL_{390}$ 5 25.8 186°.80 2°.9/23.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.97 | −11 46.6 | 3.006 | 3.844 | 9.4 | 22.3 |
| 5 1 | 16 28.00 | −11 8.5 | 2.925 | 3.844 | 7.1 | 22.2 |
| 5 11 | 16 21.75 | −10 31.4 | 2.871 | 3.843 | 4.8 | 22.0 |
| 5 21 | 16 14.68 | − 9 57.3 | 2.844 | 3.841 | 3.0 | 21.9 |
| 5 31 | 16 7.36 | − 9 28.4 | 2.847 | 3.839 | 3.6 | 21.9 |
| 6 10 | 16 0.38 | − 9 6.7 | 2.878 | 3.837 | 5.8 | 22.1 |
| 6 20 | 15 54.26 | − 8 53.3 | 2.937 | 3.834 | 8.1 | 22.2 |
| 6 30 | 15 49.42 | − 8 48.9 | 3.019 | 3.831 | 10.3 | 22.4 |

**310357** 2011 $UE_{266}$ 5 25.8 236°.71 0°.2/25.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.82 | −21 21.3 | 2.466 | 3.305 | 11.1 | 20.9 |
| 5 1 | 16 30.57 | −21 30.6 | 2.378 | 3.299 | 8.4 | 20.8 |
| 5 11 | 16 23.56 | −21 37.0 | 2.314 | 3.293 | 5.2 | 20.5 |
| 5 21 | 16 15.33 | −21 40.1 | 2.278 | 3.286 | 1.7 | 20.3 |
| 5 31 | 16 6.64 | −21 40.7 | 2.270 | 3.280 | 1.8 | 20.3 |
| 6 10 | 15 58.32 | −21 40.0 | 2.290 | 3.273 | 5.3 | 20.5 |
| 6 20 | 15 51.11 | −21 39.6 | 2.337 | 3.266 | 8.6 | 20.7 |
| 6 30 | 15 45.59 | −21 41.5 | 2.409 | 3.259 | 11.4 | 20.9 |

**133493** 2003 $SM_{274}$ 5 25.8 133°.88 1°.5/26.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 37.65 | −25 33.3 | 2.017 | 2.857 | 13.2 | 20.6 |
| 5 1 | 16 32.25 | −25 38.3 | 1.941 | 2.860 | 10.0 | 20.4 |
| 5 11 | 16 24.70 | −25 35.9 | 1.888 | 2.864 | 6.4 | 20.2 |
| 5 21 | 16 15.71 | −25 25.9 | 1.861 | 2.867 | 2.7 | 19.9 |
| 5 31 | 16 6.26 | −25 9.0 | 1.861 | 2.870 | 2.4 | 19.9 |
| 6 10 | 15 57.39 | −24 47.5 | 1.889 | 2.874 | 6.1 | 20.1 |
| 6 20 | 15 50.00 | −24 24.8 | 1.942 | 2.876 | 9.7 | 20.4 |
| 6 30 | 15 44.74 | −24 4.4 | 2.019 | 2.879 | 12.9 | 20.6 |

**393183** 2013 $CA_{101}$ 5 25.8 207°.91 6°.4/21.9 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.87 | − 0 42.7 | 2.625 | 3.451 | 10.9 | 21.5 |
| 5 1 | 16 28.09 | + 0 6.5 | 2.553 | 3.448 | 8.9 | 21.3 |
| 5 11 | 16 21.88 | + 0 47.9 | 2.504 | 3.444 | 7.2 | 21.2 |
| 5 21 | 16 14.74 | + 1 18.0 | 2.482 | 3.440 | 6.4 | 21.1 |
| 5 31 | 16 7.31 | + 1 34.0 | 2.486 | 3.436 | 7.0 | 21.2 |
| 6 10 | 16 0.24 | + 1 34.4 | 2.517 | 3.432 | 8.6 | 21.3 |
| 6 20 | 15 54.12 | + 1 19.3 | 2.572 | 3.427 | 10.6 | 21.4 |
| 6 30 | 15 49.43 | + 0 49.9 | 2.649 | 3.422 | 12.6 | 21.5 |

**355714** 2008 $FT_{127}$ 5 25.8 274°.30 2°.9/24.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.50 | −12 48.5 | 2.412 | 3.260 | 11.1 | 21.1 |
| 5 1 | 16 28.79 | −12 29.1 | 2.326 | 3.250 | 8.4 | 20.9 |
| 5 11 | 16 22.43 | −12 11.0 | 2.263 | 3.239 | 5.5 | 20.7 |
| 5 21 | 16 14.96 | −11 56.2 | 2.227 | 3.229 | 3.1 | 20.5 |
| 5 31 | 16 7.06 | −11 46.4 | 2.220 | 3.219 | 3.7 | 20.5 |
| 6 10 | 15 59.52 | −11 43.6 | 2.240 | 3.209 | 6.5 | 20.7 |
| 6 20 | 15 53.02 | −11 48.7 | 2.286 | 3.198 | 9.5 | 20.8 |
| 6 30 | 15 48.11 | −12 2.4 | 2.355 | 3.188 | 12.2 | 21.0 |

**184850** 2005 $UG_{53}$ 5 25.8 201°.38 0°.1/25.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.78 | −20 55.9 | 2.827 | 3.662 | 10.0 | 21.2 |
| 5 1 | 16 29.54 | −20 53.8 | 2.740 | 3.659 | 7.5 | 21.0 |
| 5 11 | 16 22.80 | −20 48.7 | 2.677 | 3.655 | 4.6 | 20.9 |
| 5 21 | 16 15.06 | −20 40.9 | 2.642 | 3.651 | 1.5 | 20.6 |
| 5 31 | 16 6.96 | −20 31.4 | 2.637 | 3.647 | 1.7 | 20.6 |
| 6 10 | 15 59.21 | −20 21.6 | 2.661 | 3.642 | 4.8 | 20.8 |
| 6 20 | 15 52.42 | −20 13.1 | 2.712 | 3.637 | 7.7 | 21.0 |
| 6 30 | 15 47.10 | −20 7.7 | 2.788 | 3.632 | 10.2 | 21.2 |

**308059** 2004 $TZ_{119}$ 5 25.8 168°.68 0°.6/25.5 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.23 | −21 41.4 | 1.918 | 2.759 | 13.7 | 22.2 |
| 5 1 | 16 34.87 | −21 9.0 | 1.842 | 2.765 | 10.3 | 22.0 |
| 5 11 | 16 26.27 | −20 30.0 | 1.790 | 2.769 | 6.4 | 21.8 |
| 5 21 | 16 16.22 | −19 45.8 | 1.764 | 2.773 | 2.1 | 21.5 |
| 5 31 | 16 5.75 | −18 59.3 | 1.767 | 2.776 | 2.5 | 21.5 |
| 6 10 | 15 55.97 | −18 14.4 | 1.798 | 2.778 | 6.7 | 21.8 |
| 6 20 | 15 47.80 | −17 35.1 | 1.854 | 2.780 | 10.6 | 22.0 |
| 6 30 | 15 41.89 | −17 4.5 | 1.934 | 2.780 | 14.0 | 22.2 |

**63831** 2001 $RY_{73}$ 5 25.8 94°.82 4°.8/27.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 43.01 | −31 56.2 | 1.396 | 2.237 | 18.0 | 19.1 |
| 5 1 | 16 37.21 | −32 19.2 | 1.334 | 2.247 | 14.1 | 18.9 |
| 5 11 | 16 28.16 | −32 26.6 | 1.291 | 2.257 | 9.8 | 18.7 |
| 5 21 | 16 16.91 | −32 15.3 | 1.271 | 2.268 | 5.9 | 18.5 |
| 5 31 | 16 5.03 | −31 45.1 | 1.275 | 2.278 | 5.1 | 18.4 |
| 6 10 | 15 54.23 | −31 0.6 | 1.305 | 2.288 | 8.5 | 18.7 |
| 6 20 | 15 45.83 | −30 8.8 | 1.358 | 2.298 | 12.6 | 18.9 |
| 6 30 | 15 40.66 | −29 17.4 | 1.432 | 2.307 | 16.3 | 19.2 |

**438980** 2010 $OJ_{63}$ 5 25.8 279°.02 4°.3/22.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.68 | −11 17.4 | 2.400 | 3.248 | 11.1 | 20.9 |
| 5 1 | 16 28.18 | −10 3.9 | 2.309 | 3.231 | 8.5 | 20.8 |
| 5 11 | 16 22.05 | − 8 49.7 | 2.243 | 3.214 | 5.9 | 20.6 |
| 5 21 | 16 14.84 | − 7 38.7 | 2.205 | 3.197 | 4.3 | 20.4 |
| 5 31 | 16 7.22 | − 6 35.1 | 2.194 | 3.180 | 5.2 | 20.4 |
| 6 10 | 15 59.96 | − 5 42.8 | 2.212 | 3.162 | 7.7 | 20.6 |
| 6 20 | 15 53.72 | − 5 4.3 | 2.254 | 3.145 | 10.5 | 20.7 |
| 6 30 | 15 49.05 | − 4 40.7 | 2.319 | 3.127 | 13.2 | 20.9 |

**471671** 2012 $TY_{167}$ 5 25.8 262°.38 0°.1/25.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.39 | −20 47.2 | 2.117 | 2.959 | 12.6 | 21.6 |
| 5 1 | 16 32.90 | −21 0.7 | 2.019 | 2.941 | 9.5 | 21.4 |
| 5 11 | 16 25.22 | −21 11.7 | 1.945 | 2.924 | 6.0 | 21.1 |
| 5 21 | 16 15.95 | −21 19.7 | 1.897 | 2.906 | 2.0 | 20.8 |
| 5 31 | 16 5.97 | −21 24.9 | 1.877 | 2.887 | 2.2 | 20.8 |
| 6 10 | 15 56.32 | −21 28.6 | 1.886 | 2.869 | 6.2 | 21.0 |
| 6 20 | 15 47.93 | −21 32.6 | 1.920 | 2.850 | 10.1 | 21.2 |
| 6 30 | 15 41.57 | −21 39.1 | 1.978 | 2.831 | 13.4 | 21.4 |

**105867** 2000 $ST_{171}$ 5 25.8 233°.74 4°.4/28.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.70 | −36 0.1 | 2.634 | 3.432 | 11.7 | 19.8 |
| 5 1 | 16 32.13 | −36 20.2 | 2.540 | 3.423 | 9.4 | 19.6 |
| 5 11 | 16 24.59 | −36 29.0 | 2.469 | 3.414 | 7.1 | 19.4 |
| 5 21 | 16 15.70 | −36 24.4 | 2.424 | 3.405 | 5.0 | 19.3 |
| 5 31 | 16 6.29 | −36 5.9 | 2.407 | 3.395 | 4.5 | 19.3 |
| 6 10 | 15 57.31 | −35 35.1 | 2.417 | 3.386 | 6.1 | 19.3 |
| 6 20 | 15 49.57 | −34 55.4 | 2.454 | 3.376 | 8.5 | 19.5 |
| 6 30 | 15 43.73 | −34 11.2 | 2.515 | 3.365 | 11.0 | 19.6 |

**378293** 2007 $EW_{153}$ 5 25.8 324°.03 7°.2/27.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 41.84 | −35 51.3 | 1.646 | 2.466 | 16.6 | 20.5 |
| 5 1 | 16 36.48 | −37 1.9 | 1.567 | 2.461 | 13.6 | 20.3 |
| 5 11 | 16 27.91 | −37 59.2 | 1.509 | 2.456 | 10.4 | 20.1 |
| 5 21 | 16 16.93 | −38 37.4 | 1.474 | 2.452 | 7.8 | 19.9 |
| 5 31 | 16 4.91 | −38 52.7 | 1.464 | 2.448 | 7.3 | 19.9 |
| 6 10 | 15 53.50 | −38 45.8 | 1.478 | 2.444 | 9.4 | 20.0 |
| 6 20 | 15 44.17 | −38 21.5 | 1.516 | 2.441 | 12.6 | 20.2 |
| 6 30 | 15 37.96 | −37 46.9 | 1.575 | 2.437 | 15.8 | 20.4 |

**291974** 2006 $QH_{78}$ 5 25.8 246°.64 1°.1/25.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.26 | −19 27.4 | 1.838 | 2.687 | 13.9 | 21.7 |
| 5 1 | 16 33.76 | −19 10.8 | 1.745 | 2.672 | 10.5 | 21.4 |
| 5 11 | 16 25.84 | −18 50.0 | 1.675 | 2.656 | 6.6 | 21.1 |
| 5 21 | 16 16.17 | −18 26.1 | 1.630 | 2.639 | 2.3 | 20.8 |
| 5 31 | 16 5.76 | −18 1.1 | 1.613 | 2.622 | 2.8 | 20.8 |
| 6 10 | 15 55.80 | −17 38.0 | 1.623 | 2.604 | 7.3 | 21.1 |
| 6 20 | 15 47.33 | −17 20.0 | 1.658 | 2.586 | 11.5 | 21.3 |
| 6 30 | 15 41.16 | −17 10.0 | 1.715 | 2.567 | 15.2 | 21.5 |

**53613** 2000 $CP_{85}$ 5 25.8 318°.06 0°.6/25.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.00 | −22 5.8 | 1.119 | 2.000 | 18.7 | 18.2 |
| 5 1 | 16 32.72 | −22 15.7 | 1.039 | 1.981 | 14.3 | 17.9 |
| 5 11 | 16 25.90 | −22 19.6 | 0.978 | 1.964 | 9.1 | 17.5 |
| 5 21 | 16 16.34 | −22 16.9 | 0.937 | 1.947 | 3.2 | 17.1 |
| 5 31 | 16 5.51 | −22 8.2 | 0.919 | 1.930 | 3.3 | 17.1 |
| 6 10 | 15 55.27 | −21 56.8 | 0.923 | 1.915 | 9.5 | 17.4 |
| 6 20 | 15 47.31 | −21 47.2 | 0.948 | 1.900 | 15.3 | 17.6 |
| 6 30 | 15 42.83 | −21 44.1 | 0.991 | 1.886 | 20.3 | 17.9 |

**33889** Jengebo 5 25.8 320°.31 0°.5/25.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.02 | −20 14.6 | 1.134 | 2.013 | 18.5 | 18.1 |
| 5 1 | 16 33.51 | −20 46.7 | 1.052 | 1.994 | 14.2 | 17.8 |
| 5 11 | 16 26.44 | −21 18.2 | 0.989 | 1.975 | 9.0 | 17.5 |
| 5 21 | 16 16.55 | −21 47.7 | 0.948 | 1.957 | 3.1 | 17.1 |
| 5 31 | 16 5.26 | −22 13.9 | 0.929 | 1.940 | 3.3 | 17.0 |
| 6 10 | 15 54.48 | −22 37.6 | 0.933 | 1.924 | 9.5 | 17.3 |
| 6 20 | 15 45.91 | −23 0.7 | 0.958 | 1.909 | 15.2 | 17.6 |
| 6 30 | 15 40.84 | −23 26.3 | 1.001 | 1.894 | 20.3 | 17.8 |

**352580** 2008 $DJ_{60}$ 5 25.8 30°.88 0°.2/25.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.13 | −23 9.4 | 2.036 | 2.885 | 12.7 | 20.6 |
| 5 1 | 16 29.52 | −22 50.6 | 1.964 | 2.890 | 9.6 | 20.4 |
| 5 11 | 16 22.96 | −22 25.5 | 1.915 | 2.895 | 5.9 | 20.2 |
| 5 21 | 16 15.14 | −21 55.0 | 1.891 | 2.900 | 2.0 | 19.9 |
| 5 31 | 16 6.96 | −21 21.3 | 1.896 | 2.906 | 2.1 | 19.9 |
| 6 10 | 15 59.36 | −20 47.5 | 1.927 | 2.912 | 6.0 | 20.2 |
| 6 20 | 15 53.13 | −20 16.8 | 1.984 | 2.918 | 9.5 | 20.4 |
| 6 30 | 15 48.85 | −19 52.1 | 2.064 | 2.925 | 12.6 | 20.7 |

**221112** 2005 $SQ_{169}$ 5 25.8 94°.05 7°.7/28.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 44.31 | −39 14.1 | 1.758 | 2.559 | 16.5 | 20.4 |
| 5 1 | 16 38.03 | −40 14.7 | 1.692 | 2.569 | 13.6 | 20.3 |
| 5 11 | 16 28.65 | −40 58.2 | 1.646 | 2.580 | 10.7 | 20.1 |
| 5 21 | 16 17.10 | −41 19.3 | 1.623 | 2.590 | 8.4 | 20.0 |
| 5 31 | 16 4.82 | −41 15.5 | 1.625 | 2.600 | 7.7 | 20.0 |
| 6 10 | 15 53.42 | −40 48.9 | 1.652 | 2.610 | 9.3 | 20.1 |
| 6 20 | 15 44.21 | −40 5.5 | 1.703 | 2.620 | 11.9 | 20.3 |
| 6 30 | 15 38.07 | −39 13.1 | 1.776 | 2.630 | 14.7 | 20.5 |

**336184** 2008 $RN_{107}$ 5 25.8 299°.64 1°.2/25.3 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.81 | −19 53.2 | 1.668 | 2.528 | 14.6 | 20.8 |
| 5 1 | 16 31.52 | −19 29.7 | 1.567 | 2.500 | 11.1 | 20.6 |
| 5 11 | 16 24.64 | −19 0.4 | 1.489 | 2.472 | 6.9 | 20.2 |
| 5 21 | 16 15.83 | −18 26.8 | 1.435 | 2.444 | 2.4 | 19.9 |
| 5 31 | 16 6.11 | −17 51.6 | 1.407 | 2.416 | 3.1 | 19.9 |
| 6 10 | 15 56.74 | −17 18.7 | 1.405 | 2.388 | 7.9 | 20.1 |
| 6 20 | 15 48.88 | −16 52.0 | 1.427 | 2.361 | 12.5 | 20.3 |
| 6 30 | 15 43.45 | −16 35.2 | 1.469 | 2.333 | 16.6 | 20.5 |

**504751** 2009 $WW_{52}$ 5 25.8 217°.36 0°.5/25.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.55 | −19 16.2 | 2.106 | 2.947 | 12.7 | 22.5 |
| 5 1 | 16 33.65 | −19 24.9 | 2.018 | 2.940 | 9.6 | 22.3 |
| 5 11 | 16 25.61 | −19 31.7 | 1.953 | 2.933 | 5.9 | 22.1 |
| 5 21 | 16 16.07 | −19 36.6 | 1.916 | 2.925 | 2.0 | 21.8 |
| 5 31 | 16 5.93 | −19 40.1 | 1.907 | 2.916 | 2.3 | 21.8 |
| 6 10 | 15 56.21 | −19 43.6 | 1.926 | 2.907 | 6.3 | 22.0 |
| 6 20 | 15 47.83 | −19 48.8 | 1.971 | 2.898 | 10.0 | 22.2 |
| 6 30 | 15 41.49 | −19 57.8 | 2.040 | 2.888 | 13.3 | 22.4 |

**171634** 2000 $EQ_{10}$ 5 25.8 315°.34 7°.4/28.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.22 | −38 29.0 | 1.815 | 2.624 | 15.7 | 19.2 |
| 5 1 | 16 34.37 | −39 25.8 | 1.726 | 2.610 | 13.1 | 19.0 |
| 5 11 | 16 26.54 | −40 7.9 | 1.658 | 2.597 | 10.3 | 18.8 |
| 5 21 | 16 16.48 | −40 30.1 | 1.613 | 2.584 | 8.1 | 18.7 |
| 5 31 | 16 5.42 | −40 29.4 | 1.593 | 2.571 | 7.5 | 18.6 |
| 6 10 | 15 54.89 | −40 6.7 | 1.597 | 2.559 | 9.2 | 18.7 |
| 6 20 | 15 46.22 | −39 26.7 | 1.625 | 2.547 | 12.0 | 18.8 |
| 6 30 | 15 40.43 | −38 36.5 | 1.674 | 2.536 | 15.0 | 19.0 |

**506364** 2017 $QC_{19}$ 5 25.8 40°.56 1°.8/26.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.46 | −26 33.3 | 1.266 | 2.130 | 18.0 | 21.1 |
| 5 1 | 16 33.84 | −26 21.8 | 1.204 | 2.136 | 13.7 | 20.8 |
| 5 11 | 16 26.09 | −25 57.5 | 1.162 | 2.143 | 8.8 | 20.6 |
| 5 21 | 16 16.25 | −25 20.6 | 1.143 | 2.150 | 3.6 | 20.3 |
| 5 31 | 16 5.82 | −24 33.7 | 1.147 | 2.158 | 3.1 | 20.3 |
| 6 10 | 15 56.42 | −23 42.6 | 1.176 | 2.166 | 8.2 | 20.6 |
| 6 20 | 15 49.31 | −22 53.8 | 1.228 | 2.174 | 13.0 | 20.9 |
| 6 30 | 15 45.30 | −22 13.0 | 1.299 | 2.183 | 17.2 | 21.2 |

**198147** 2004 $TR_{51}$ 5 25.8 212°.29 0°.5/26.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.38 | −23 43.5 | 2.064 | 2.906 | 12.9 | 20.9 |
| 5 1 | 16 32.02 | −23 28.7 | 1.980 | 2.902 | 9.7 | 20.7 |
| 5 11 | 16 24.57 | −23 7.0 | 1.919 | 2.898 | 6.1 | 20.5 |
| 5 21 | 16 15.71 | −22 39.0 | 1.885 | 2.893 | 2.1 | 20.2 |
| 5 31 | 16 6.35 | −22 6.2 | 1.878 | 2.888 | 2.1 | 20.2 |
| 6 10 | 15 57.53 | −21 31.8 | 1.899 | 2.883 | 6.1 | 20.5 |
| 6 20 | 15 50.10 | −20 59.2 | 1.946 | 2.878 | 9.8 | 20.7 |
| 6 30 | 15 44.74 | −20 31.9 | 2.016 | 2.872 | 13.1 | 20.9 |

**140425** 2001 $TS_{93}$ 5 25.8 181°.43 0°.5/26.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.59 | −24 10.6 | 2.637 | 3.470 | 10.7 | 21.0 |
| 5 1 | 16 30.24 | −23 56.9 | 2.554 | 3.471 | 8.0 | 20.8 |
| 5 11 | 16 23.26 | −23 37.5 | 2.495 | 3.471 | 5.0 | 20.6 |
| 5 21 | 16 15.24 | −23 12.7 | 2.463 | 3.471 | 1.8 | 20.4 |
| 5 31 | 16 6.88 | −22 43.9 | 2.460 | 3.470 | 1.7 | 20.4 |
| 6 10 | 15 58.96 | −22 13.4 | 2.487 | 3.469 | 5.0 | 20.6 |
| 6 20 | 15 52.13 | −21 43.9 | 2.540 | 3.468 | 8.0 | 20.8 |
| 6 30 | 15 46.91 | −21 17.8 | 2.618 | 3.466 | 10.7 | 21.0 |

**304730** 2006 $XJ_{32}$ 5 25.8 161°.92 0°.3/25.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.34 | −20 25.4 | 2.615 | 3.453 | 10.6 | 21.6 |
| 5 1 | 16 30.03 | −20 23.9 | 2.536 | 3.457 | 7.9 | 21.5 |
| 5 11 | 16 23.14 | −20 19.6 | 2.481 | 3.460 | 4.9 | 21.3 |
| 5 21 | 16 15.20 | −20 12.9 | 2.454 | 3.463 | 1.6 | 21.1 |
| 5 31 | 16 6.92 | −20 4.7 | 2.456 | 3.465 | 1.8 | 21.1 |
| 6 10 | 15 59.06 | −19 56.6 | 2.486 | 3.468 | 5.1 | 21.3 |
| 6 20 | 15 52.25 | −19 50.2 | 2.544 | 3.470 | 8.1 | 21.5 |
| 6 30 | 15 47.03 | −19 47.4 | 2.626 | 3.472 | 10.7 | 21.7 |

**269939** 2000 $RV_{80}$ 5 25.8 278°.70 11°.0/29.3 15

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 45.96 | −47 35.7 | 1.907 | 2.663 | 16.9 | 20.7 |
| 5 1 | 16 40.08 | −48 53.6 | 1.811 | 2.642 | 15.0 | 20.5 |
| 5 11 | 16 30.47 | −49 52.6 | 1.734 | 2.621 | 13.0 | 20.3 |
| 5 21 | 16 17.89 | −50 25.0 | 1.678 | 2.600 | 11.5 | 20.2 |
| 5 31 | 16 3.85 | −50 24.9 | 1.645 | 2.579 | 11.0 | 20.1 |
| 6 10 | 15 50.30 | −49 51.8 | 1.636 | 2.557 | 11.9 | 20.1 |
| 6 20 | 15 39.04 | −48 51.1 | 1.648 | 2.536 | 13.9 | 20.2 |
| 6 30 | 15 31.37 | −47 32.0 | 1.682 | 2.514 | 16.3 | 20.3 |

**395258** 2010 $QP_{1}$ 5 25.8 289°.26 5°.7/23.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.32 | − 3 7.2 | 2.351 | 3.181 | 11.9 | 20.5 |
| 5 1 | 16 31.02 | − 2 57.8 | 2.254 | 3.158 | 9.6 | 20.3 |
| 5 11 | 16 23.91 | − 2 57.1 | 2.181 | 3.135 | 7.2 | 20.1 |
| 5 21 | 16 15.51 | − 3 7.9 | 2.134 | 3.112 | 5.8 | 20.0 |
| 5 31 | 16 6.54 | − 3 32.0 | 2.114 | 3.089 | 6.3 | 20.0 |
| 6 10 | 15 57.84 | − 4 10.2 | 2.122 | 3.065 | 8.4 | 20.0 |
| 6 20 | 15 50.15 | − 5 1.6 | 2.155 | 3.042 | 11.1 | 20.2 |
| 6 30 | 15 44.12 | − 6 4.7 | 2.211 | 3.018 | 13.7 | 20.3 |

**54930** 2001 $OM_{102}$ 5 25.8 236°.04 5°.5/22.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.05 | − 5 31.4 | 2.365 | 3.204 | 11.5 | 19.6 |
| 5 1 | 16 29.18 | − 4 41.9 | 2.284 | 3.195 | 9.1 | 19.4 |
| 5 11 | 16 22.68 | − 3 57.4 | 2.228 | 3.186 | 6.9 | 19.3 |
| 5 21 | 16 15.08 | − 3 21.5 | 2.197 | 3.176 | 5.6 | 19.2 |
| 5 31 | 16 7.09 | − 2 57.5 | 2.194 | 3.166 | 6.3 | 19.2 |
| 6 10 | 15 59.48 | − 2 47.6 | 2.217 | 3.156 | 8.4 | 19.3 |
| 6 20 | 15 52.92 | − 2 52.3 | 2.266 | 3.145 | 10.9 | 19.4 |
| 6 30 | 15 47.96 | − 3 11.3 | 2.335 | 3.134 | 13.3 | 19.6 |

**22519** Gerardklein 5 25.8 239°.89 1°.5/26.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.44 | −24 55.6 | 1.689 | 2.534 | 15.1 | 19.6 |
| 5 1 | 16 34.93 | −25 4.8 | 1.603 | 2.525 | 11.6 | 19.3 |
| 5 11 | 16 26.70 | −25 6.4 | 1.538 | 2.516 | 7.4 | 19.1 |
| 5 21 | 16 16.51 | −24 59.5 | 1.499 | 2.506 | 3.0 | 18.8 |
| 5 31 | 16 5.52 | −24 44.3 | 1.486 | 2.496 | 2.7 | 18.7 |
| 6 10 | 15 55.09 | −24 23.4 | 1.500 | 2.485 | 7.2 | 19.0 |
| 6 20 | 15 46.41 | −24 0.9 | 1.538 | 2.475 | 11.6 | 19.2 |
| 6 30 | 15 40.34 | −23 41.1 | 1.598 | 2.464 | 15.5 | 19.4 |

**72493** 2001 $DP_{59}$ 5 25.8 348°.24 2°.7/27.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.27 | −29 41.9 | 1.515 | 2.368 | 16.1 | 18.0 |
| 5 1 | 16 30.47 | −29 22.5 | 1.438 | 2.362 | 12.5 | 17.8 |
| 5 11 | 16 23.95 | −28 48.0 | 1.381 | 2.356 | 8.3 | 17.5 |
| 5 21 | 16 15.57 | −27 58.1 | 1.347 | 2.352 | 4.1 | 17.3 |
| 5 31 | 16 6.58 | −26 55.5 | 1.339 | 2.347 | 3.3 | 17.2 |
| 6 10 | 15 58.35 | −25 45.7 | 1.355 | 2.344 | 7.4 | 17.4 |
| 6 20 | 15 52.00 | −24 35.6 | 1.396 | 2.342 | 11.8 | 17.7 |
| 6 30 | 15 48.31 | −23 31.8 | 1.457 | 2.340 | 15.7 | 17.9 |

**171465** Evamaria 5 25.8 250°.20 3°.3/23.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 29.91 | − 8 20.3 | 3.544 | 4.379 | 8.1 | 21.2 |
| 5 1 | 16 25.65 | − 7 48.2 | 3.452 | 4.365 | 6.3 | 21.1 |
| 5 11 | 16 20.31 | − 7 18.5 | 3.386 | 4.350 | 4.5 | 20.9 |
| 5 21 | 16 14.27 | − 6 53.2 | 3.348 | 4.335 | 3.3 | 20.8 |
| 5 31 | 16 7.97 | − 6 33.9 | 3.338 | 4.320 | 3.8 | 20.9 |
| 6 10 | 16 1.90 | − 6 22.2 | 3.358 | 4.305 | 5.5 | 20.9 |
| 6 20 | 15 56.48 | − 6 18.7 | 3.404 | 4.290 | 7.5 | 21.1 |
| 6 30 | 15 52.09 | − 6 23.8 | 3.474 | 4.274 | 9.3 | 21.2 |

**373422** 1999 $CD_{74}$ 5 25.8 30°.60 4°.8/24.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.31 | −12 15.9 | 1.423 | 2.294 | 16.0 | 19.8 |
| 5 1 | 16 30.93 | −11 30.1 | 1.365 | 2.300 | 12.2 | 19.6 |
| 5 11 | 16 24.07 | −10 46.7 | 1.327 | 2.307 | 8.1 | 19.4 |
| 5 21 | 16 15.57 | −10 9.9 | 1.313 | 2.314 | 5.0 | 19.2 |
| 5 31 | 16 6.62 | − 9 44.1 | 1.324 | 2.322 | 5.9 | 19.3 |
| 6 10 | 15 58.48 | − 9 32.6 | 1.359 | 2.330 | 9.6 | 19.5 |
| 6 20 | 15 52.13 | − 9 36.6 | 1.417 | 2.339 | 13.5 | 19.8 |
| 6 30 | 15 48.27 | − 9 55.7 | 1.494 | 2.348 | 16.9 | 20.0 |

**40346** 1999 $ND_{10}$ 5 25.8 303°.67 4°.9/27.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.50 | −31 59.9 | 1.387 | 2.234 | 17.7 | 19.1 |
| 5 1 | 16 34.25 | −32 20.2 | 1.302 | 2.219 | 14.1 | 18.8 |
| 5 11 | 16 26.67 | −32 25.2 | 1.236 | 2.204 | 10.0 | 18.5 |
| 5 21 | 16 16.58 | −32 11.3 | 1.192 | 2.190 | 6.1 | 18.3 |
| 5 31 | 16 5.43 | −31 37.6 | 1.172 | 2.176 | 5.3 | 18.2 |
| 6 10 | 15 54.94 | −30 47.6 | 1.177 | 2.162 | 8.9 | 18.3 |
| 6 20 | 15 46.65 | −29 48.3 | 1.203 | 2.148 | 13.4 | 18.5 |
| 6 30 | 15 41.60 | −28 48.3 | 1.250 | 2.135 | 17.6 | 18.8 |

**370144** 2001 $XC_{93}$ 5 25.8 188°.07 0°.1/25.8 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.13 | −21 34.0 | 2.288 | 3.124 | 12.0 | 22.6 |
| 5 1 | 16 33.12 | −21 29.7 | 2.204 | 3.124 | 9.0 | 22.4 |
| 5 11 | 16 25.17 | −21 21.1 | 2.144 | 3.122 | 5.6 | 22.2 |
| 5 21 | 16 15.92 | −21 8.4 | 2.112 | 3.121 | 1.9 | 21.9 |
| 5 31 | 16 6.21 | −20 52.9 | 2.108 | 3.118 | 2.0 | 21.9 |
| 6 10 | 15 56.98 | −20 36.4 | 2.133 | 3.115 | 5.8 | 22.2 |
| 6 20 | 15 49.03 | −20 21.6 | 2.185 | 3.111 | 9.2 | 22.4 |
| 6 30 | 15 42.98 | −20 10.8 | 2.260 | 3.106 | 12.2 | 22.6 |

**38013** 1998 $KY_{54}$ 5 25.8 33°.85 8°.0/24.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.03 | − 0 16.0 | 1.604 | 2.445 | 16.0 | 18.0 |
| 5 1 | 16 33.44 | − 0 9.5 | 1.545 | 2.451 | 13.0 | 17.9 |
| 5 11 | 16 25.51 | − 0 18.5 | 1.506 | 2.458 | 10.1 | 17.7 |
| 5 21 | 16 16.04 | − 0 46.5 | 1.491 | 2.465 | 8.2 | 17.6 |
| 5 31 | 16 6.13 | − 1 35.0 | 1.500 | 2.473 | 8.6 | 17.6 |
| 6 10 | 15 56.93 | − 2 42.7 | 1.535 | 2.481 | 10.9 | 17.8 |
| 6 20 | 15 49.40 | − 4 6.3 | 1.594 | 2.489 | 13.9 | 18.0 |
| 6 30 | 15 44.22 | − 5 41.6 | 1.673 | 2.498 | 16.7 | 18.2 |

**87580** 2000 $RE_{16}$ 5 25.8 129°.47 7°.7/29.6 17 R

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.53 | −41 49.2 | 1.870 | 2.659 | 16.1 | 19.2 |
| 5 1 | 16 36.58 | −42 21.1 | 1.795 | 2.662 | 13.5 | 19.0 |
| 5 11 | 16 27.70 | −42 33.6 | 1.739 | 2.665 | 10.7 | 18.8 |
| 5 21 | 16 16.81 | −42 22.4 | 1.706 | 2.668 | 8.5 | 18.7 |
| 5 31 | 16 5.29 | −41 46.1 | 1.699 | 2.671 | 7.7 | 18.6 |
| 6 10 | 15 54.66 | −40 47.8 | 1.716 | 2.674 | 9.0 | 18.7 |
| 6 20 | 15 46.12 | −39 34.2 | 1.758 | 2.677 | 11.5 | 18.9 |
| 6 30 | 15 40.49 | −38 13.6 | 1.822 | 2.680 | 14.2 | 19.0 |

**25079** 1998 $QU_{103}$ 5 25.8 194°.67 1°.7/25.1 18 R

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.50 | −16 47.8 | 2.212 | 3.057 | 12.0 | 18.8 |
| 5 1 | 16 31.16 | −16 33.5 | 2.131 | 3.056 | 9.0 | 18.6 |
| 5 11 | 16 23.97 | −16 18.0 | 2.075 | 3.054 | 5.6 | 18.4 |
| 5 21 | 16 15.53 | −16 2.6 | 2.045 | 3.052 | 2.3 | 18.1 |
| 5 31 | 16 6.67 | −15 49.0 | 2.044 | 3.050 | 2.8 | 18.2 |
| 6 10 | 15 58.27 | −15 39.4 | 2.070 | 3.047 | 6.3 | 18.4 |
| 6 20 | 15 51.10 | −15 35.4 | 2.123 | 3.044 | 9.7 | 18.6 |
| 6 30 | 15 45.76 | −15 38.3 | 2.198 | 3.041 | 12.6 | 18.8 |

**435817** 2008 $WN_{31}$ 5 25.8 177°.67 0°.7/26.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.47 | −23 35.4 | 2.130 | 2.970 | 12.6 | 21.8 |
| 5 1 | 16 32.04 | −23 37.0 | 2.050 | 2.971 | 9.5 | 21.6 |
| 5 11 | 16 24.58 | −23 32.9 | 1.994 | 2.972 | 6.0 | 21.3 |
| 5 21 | 16 15.75 | −23 23.1 | 1.964 | 2.972 | 2.2 | 21.1 |
| 5 31 | 16 6.45 | −23 8.5 | 1.962 | 2.972 | 2.1 | 21.1 |
| 6 10 | 15 57.68 | −22 51.4 | 1.988 | 2.972 | 5.9 | 21.3 |
| 6 20 | 15 50.26 | −22 34.3 | 2.040 | 2.972 | 9.4 | 21.5 |
| 6 30 | 15 44.85 | −22 20.3 | 2.115 | 2.971 | 12.6 | 21.7 |

**468601** 2007 $VX_{125}$ 5 25.8 103°.51 1°.3/25.0 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.98 | −23 16.1 | 1.741 | 2.583 | 14.9 | 20.9 |
| 5 1 | 16 36.01 | −21 47.9 | 1.684 | 2.607 | 11.1 | 20.7 |
| 5 11 | 16 26.83 | −20 9.5 | 1.651 | 2.631 | 6.7 | 20.5 |
| 5 21 | 16 16.40 | −18 25.4 | 1.646 | 2.654 | 2.3 | 20.3 |
| 5 31 | 16 5.90 | −16 42.1 | 1.669 | 2.677 | 3.1 | 20.4 |
| 6 10 | 15 56.45 | −15 6.7 | 1.721 | 2.698 | 7.3 | 20.7 |
| 6 20 | 15 48.87 | −13 44.7 | 1.800 | 2.719 | 11.2 | 20.9 |
| 6 30 | 15 43.69 | −12 39.8 | 1.901 | 2.740 | 14.5 | 21.2 |

**206172** 2002 $TY_{262}$ 5 25.8 248°.97 0°.1/25.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.83 | −21 53.0 | 2.138 | 2.983 | 12.4 | 21.0 |
| 5 1 | 16 30.83 | −21 39.1 | 2.051 | 2.976 | 9.3 | 20.7 |
| 5 11 | 16 23.85 | −21 20.0 | 1.989 | 2.969 | 5.8 | 20.5 |
| 5 21 | 16 15.52 | −20 56.5 | 1.952 | 2.961 | 1.9 | 20.2 |
| 5 31 | 16 6.71 | −20 30.2 | 1.944 | 2.954 | 2.1 | 20.2 |
| 6 10 | 15 58.35 | −20 3.8 | 1.963 | 2.946 | 6.0 | 20.5 |
| 6 20 | 15 51.29 | −19 40.1 | 2.008 | 2.939 | 9.6 | 20.7 |
| 6 30 | 15 46.15 | −19 22.0 | 2.076 | 2.931 | 12.8 | 20.9 |

**73517** Cranbrook 5 25.8 331°.25 5°.3/23.0 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.43 | − 8 37.1 | 1.997 | 2.852 | 12.7 | 19.1 |
| 5 1 | 16 28.24 | − 7 40.7 | 1.922 | 2.846 | 9.9 | 18.9 |
| 5 11 | 16 22.22 | − 6 47.7 | 1.871 | 2.840 | 7.1 | 18.8 |
| 5 21 | 16 14.97 | − 6 2.3 | 1.845 | 2.835 | 5.4 | 18.6 |
| 5 31 | 16 7.31 | − 5 28.4 | 1.846 | 2.829 | 6.2 | 18.7 |
| 6 10 | 16 0.13 | − 5 9.0 | 1.872 | 2.825 | 8.8 | 18.8 |
| 6 20 | 15 54.17 | − 5 5.2 | 1.923 | 2.820 | 11.7 | 19.0 |
| 6 30 | 15 50.03 | − 5 16.8 | 1.994 | 2.816 | 14.5 | 19.2 |

**9033** Kawane 5 25.8 208°.40 3°.7/23.9 18 R

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.43 | − 7 48.0 | 2.950 | 3.782 | 9.7 | 17.1 |
| 5 1 | 16 29.17 | − 7 31.5 | 2.865 | 3.776 | 7.5 | 16.9 |
| 5 11 | 16 22.56 | − 7 19.1 | 2.806 | 3.770 | 5.3 | 16.8 |
| 5 21 | 16 15.05 | − 7 12.4 | 2.774 | 3.763 | 3.8 | 16.6 |
| 5 31 | 16 7.23 | − 7 13.0 | 2.771 | 3.756 | 4.2 | 16.7 |
| 6 10 | 15 59.70 | − 7 22.0 | 2.796 | 3.749 | 6.2 | 16.8 |
| 6 20 | 15 53.04 | − 7 39.6 | 2.849 | 3.741 | 8.6 | 16.9 |
| 6 30 | 15 47.69 | − 8 5.6 | 2.925 | 3.732 | 10.7 | 17.1 |

**97261** 1999 $XT_{119}$ 5 25.8 117°.74 2°.0/26.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.78 | −27 2.0 | 2.076 | 2.910 | 13.1 | 19.6 |
| 5 1 | 16 33.04 | −27 10.6 | 2.005 | 2.920 | 10.0 | 19.4 |
| 5 11 | 16 25.19 | −27 11.1 | 1.957 | 2.929 | 6.5 | 19.2 |
| 5 21 | 16 15.95 | −27 2.7 | 1.935 | 2.939 | 3.0 | 19.0 |
| 5 31 | 16 6.30 | −26 46.0 | 1.940 | 2.948 | 2.6 | 19.0 |
| 6 10 | 15 57.29 | −26 23.5 | 1.974 | 2.957 | 6.0 | 19.2 |
| 6 20 | 15 49.77 | −25 58.6 | 2.033 | 2.966 | 9.4 | 19.4 |
| 6 30 | 15 44.38 | −25 34.9 | 2.116 | 2.974 | 12.5 | 19.6 |

**352597** 2008 $ET_{49}$ 5 25.8 84°.09 1°.3/25.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.98 | −18 37.3 | 2.289 | 3.137 | 11.5 | 21.1 |
| 5 1 | 16 29.16 | −18 8.9 | 2.217 | 3.144 | 8.6 | 20.9 |
| 5 11 | 16 22.67 | −17 37.6 | 2.169 | 3.150 | 5.3 | 20.7 |
| 5 21 | 16 15.10 | −17 5.2 | 2.148 | 3.156 | 2.0 | 20.5 |
| 5 31 | 16 7.22 | −16 33.8 | 2.155 | 3.162 | 2.5 | 20.5 |
| 6 10 | 15 59.85 | −16 6.2 | 2.190 | 3.168 | 5.9 | 20.8 |
| 6 20 | 15 53.67 | −15 44.5 | 2.251 | 3.175 | 9.1 | 21.0 |
| 6 30 | 15 49.19 | −15 30.6 | 2.335 | 3.181 | 11.9 | 21.2 |

**348535** 2005 $UX_{161}$ 5 25.8 247°.34 3°.0/24.4 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.39 | −10 37.4 | 2.854 | 3.688 | 9.9 | 21.5 |
| 5 1 | 16 30.03 | −10 26.9 | 2.754 | 3.670 | 7.6 | 21.3 |
| 5 11 | 16 23.18 | −10 19.0 | 2.680 | 3.651 | 5.1 | 21.1 |
| 5 21 | 16 15.30 | −10 15.2 | 2.634 | 3.632 | 3.2 | 20.9 |
| 5 31 | 16 6.97 | −10 17.0 | 2.617 | 3.612 | 3.7 | 20.9 |
| 6 10 | 15 58.89 | −10 25.5 | 2.629 | 3.592 | 6.0 | 21.0 |
| 6 20 | 15 51.67 | −10 41.2 | 2.669 | 3.571 | 8.7 | 21.2 |
| 6 30 | 15 45.83 | −11 4.5 | 2.732 | 3.550 | 11.1 | 21.3 |

**512621** 2016 $TJ_{39}$ 5 25.8 242°.07 4°.1/27.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.09 | −34 1.7 | 2.534 | 3.340 | 11.9 | 22.4 |
| 5 1 | 16 32.52 | −34 27.9 | 2.440 | 3.330 | 9.5 | 22.2 |
| 5 11 | 16 24.92 | −34 44.0 | 2.368 | 3.320 | 6.9 | 22.0 |
| 5 21 | 16 15.91 | −34 47.8 | 2.323 | 3.309 | 4.7 | 21.8 |
| 5 31 | 16 6.31 | −34 38.5 | 2.305 | 3.298 | 4.3 | 21.8 |
| 6 10 | 15 57.11 | −34 17.5 | 2.315 | 3.287 | 6.1 | 21.9 |
| 6 20 | 15 49.15 | −33 47.9 | 2.352 | 3.276 | 8.7 | 22.0 |
| 6 30 | 15 43.12 | −33 13.9 | 2.412 | 3.264 | 11.4 | 22.2 |

**420843** 2013 $JV_{41}$ 5 25.8 336°.84 5°.3/24.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.01 | −10 47.2 | 1.173 | 2.052 | 18.1 | 20.1 |
| 5 1 | 16 32.21 | −10 29.6 | 1.103 | 2.043 | 14.0 | 19.9 |
| 5 11 | 16 25.31 | −10 18.4 | 1.053 | 2.034 | 9.4 | 19.6 |
| 5 21 | 16 16.14 | −10 17.3 | 1.025 | 2.027 | 5.7 | 19.3 |
| 5 31 | 16 6.07 | −10 29.8 | 1.019 | 2.020 | 6.5 | 19.4 |
| 6 10 | 15 56.71 | −10 57.8 | 1.036 | 2.014 | 10.8 | 19.6 |
| 6 20 | 15 49.41 | −11 40.8 | 1.073 | 2.008 | 15.6 | 19.8 |
| 6 30 | 15 45.16 | −12 37.4 | 1.129 | 2.004 | 19.8 | 20.1 |

**323040** 2002 $RP_{30}$ 5 25.8 271°.21 0°.1/25.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.38 | −22 58.2 | 1.674 | 2.527 | 14.9 | 21.1 |
| 5 1 | 16 33.43 | −22 37.8 | 1.580 | 2.508 | 11.3 | 20.8 |
| 5 11 | 16 25.83 | −22 9.2 | 1.508 | 2.489 | 7.1 | 20.5 |
| 5 21 | 16 16.28 | −21 32.9 | 1.460 | 2.469 | 2.4 | 20.2 |
| 5 31 | 16 5.90 | −20 51.1 | 1.439 | 2.449 | 2.6 | 20.1 |
| 6 10 | 15 56.00 | −20 7.9 | 1.444 | 2.429 | 7.5 | 20.4 |
| 6 20 | 15 47.75 | −19 28.2 | 1.474 | 2.409 | 12.1 | 20.6 |
| 6 30 | 15 42.02 | −18 56.5 | 1.525 | 2.388 | 16.1 | 20.8 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **456120** 2006 $DC_{25}$ | | | 5 25.8 | 24°.77 | 0°.1/25.8 | 18 |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 27.97 | −21 23.3 | 4.143 | 4.977 | 7.1 | 21.5 |
| 5 1 | 16 24.11 | −21 16.2 | 4.060 | 4.979 | 5.3 | 21.4 |
| 5 11 | 16 19.33 | −21 6.7 | 4.003 | 4.981 | 3.2 | 21.2 |
| 5 21 | 16 13.98 | −20 55.5 | 3.974 | 4.982 | 1.1 | 21.0 |
| 5 31 | 16 8.43 | −20 43.2 | 3.974 | 4.984 | 1.2 | 21.1 |
| 6 10 | 16 3.12 | −20 31.0 | 4.004 | 4.986 | 3.3 | 21.2 |
| 6 20 | 15 58.41 | −20 19.8 | 4.062 | 4.988 | 5.3 | 21.4 |
| 6 30 | 15 54.61 | −20 10.9 | 4.146 | 4.990 | 7.1 | 21.5 |
| **3401** Vanphilos | | | 5 25.8 | 172°.23 | 9°.1/31.2 | 18 R |
| 4 21 | 16 52.49 | −50 41.3 | 2.493 | 3.201 | 14.5 | 17.7 |
| 5 1 | 16 43.83 | −51 26.4 | 2.412 | 3.207 | 12.8 | 17.6 |
| 5 11 | 16 32.11 | −51 51.1 | 2.350 | 3.211 | 11.0 | 17.5 |
| 5 21 | 16 18.30 | −51 50.3 | 2.312 | 3.215 | 9.6 | 17.4 |
| 5 31 | 16 3.84 | −51 21.1 | 2.299 | 3.217 | 9.1 | 17.4 |
| 6 10 | 15 50.33 | −50 25.7 | 2.311 | 3.219 | 9.6 | 17.4 |
| 6 20 | 15 39.04 | −49 9.7 | 2.349 | 3.219 | 11.0 | 17.5 |
| 6 30 | 15 30.82 | −47 41.2 | 2.410 | 3.218 | 12.7 | 17.6 |
| **431024** 2005 $YR_{201}$ | | | 5 25.8 | 244°.05 | 0°.3/25.7 | 18 |
| 4 21 | 16 38.03 | −21 23.0 | 2.033 | 2.877 | 12.9 | 21.8 |
| 5 1 | 16 32.65 | −21 10.2 | 1.940 | 2.864 | 9.8 | 21.6 |
| 5 11 | 16 25.08 | −20 52.3 | 1.870 | 2.850 | 6.1 | 21.3 |
| 5 21 | 16 15.98 | −20 29.9 | 1.827 | 2.836 | 2.0 | 21.0 |
| 5 31 | 16 6.26 | −20 4.6 | 1.812 | 2.821 | 2.3 | 21.0 |
| 6 10 | 15 56.97 | −19 39.1 | 1.824 | 2.806 | 6.5 | 21.2 |
| 6 20 | 15 49.03 | −19 16.6 | 1.862 | 2.791 | 10.4 | 21.4 |
| 6 30 | 15 43.19 | −19 0.0 | 1.923 | 2.775 | 13.8 | 21.6 |
| **464094** 2014 $WP_{352}$ | | | 5 25.8 | 278°.58 | 1°.2/26.1 | 16 |
| 4 21 | 16 40.77 | −22 31.5 | 1.493 | 2.348 | 16.2 | 21.6 |
| 5 1 | 16 35.42 | −22 59.1 | 1.416 | 2.345 | 12.3 | 21.3 |
| 5 11 | 16 27.13 | −23 22.3 | 1.362 | 2.342 | 7.8 | 21.1 |
| 5 21 | 16 16.72 | −23 39.7 | 1.331 | 2.339 | 2.9 | 20.8 |
| 5 31 | 16 5.47 | −23 50.6 | 1.325 | 2.336 | 2.8 | 20.7 |
| 6 10 | 15 54.88 | −23 56.5 | 1.346 | 2.333 | 7.7 | 21.0 |
| 6 20 | 15 46.22 | −24 0.2 | 1.390 | 2.330 | 12.4 | 21.3 |
| 6 30 | 15 40.42 | −24 5.4 | 1.456 | 2.327 | 16.4 | 21.5 |
| **507584** 2013 $AS_{175}$ | | | 5 25.8 | 116°.94 | 4°.9/22.7 | 17 |
| 4 21 | 16 33.28 | − 7 3.0 | 2.561 | 3.400 | 10.7 | 22.5 |
| 5 1 | 16 28.37 | − 6 3.6 | 2.500 | 3.412 | 8.4 | 22.3 |
| 5 11 | 16 22.06 | − 5 8.4 | 2.463 | 3.424 | 6.1 | 22.2 |
| 5 21 | 16 14.89 | − 4 20.7 | 2.454 | 3.436 | 4.9 | 22.1 |
| 5 31 | 16 7.52 | − 3 43.6 | 2.473 | 3.447 | 5.5 | 22.2 |
| 6 10 | 16 0.61 | − 3 19.2 | 2.519 | 3.458 | 7.5 | 22.3 |
| 6 20 | 15 54.72 | − 3 8.2 | 2.591 | 3.469 | 9.8 | 22.5 |
| 6 30 | 15 50.29 | − 3 10.6 | 2.684 | 3.480 | 11.9 | 22.7 |
| **240598** 2004 $VP_{9}$ | | | 5 25.8 | 170°.14 | 3°.1/24.0 | 18 |
| 4 21 | 16 36.27 | −13 8.4 | 2.480 | 3.321 | 11.0 | 21.8 |
| 5 1 | 16 30.71 | −12 23.7 | 2.405 | 3.325 | 8.3 | 21.6 |
| 5 11 | 16 23.56 | −11 39.0 | 2.355 | 3.329 | 5.5 | 21.4 |
| 5 21 | 16 15.41 | −10 57.0 | 2.332 | 3.332 | 3.3 | 21.3 |
| 5 31 | 16 6.96 | −10 20.5 | 2.339 | 3.334 | 3.9 | 21.3 |
| 6 10 | 15 58.98 | − 9 52.0 | 2.374 | 3.336 | 6.6 | 21.5 |
| 6 20 | 15 52.10 | − 9 33.3 | 2.435 | 3.337 | 9.4 | 21.7 |
| 6 30 | 15 46.83 | − 9 25.2 | 2.520 | 3.338 | 11.9 | 21.8 |
| **43127** 1999 $XD_{68}$ | | | 5 25.8 | 220°.21 | 1°.0/25.3 | 18 |
| 4 21 | 16 33.43 | −19 20.5 | 2.502 | 3.347 | 10.8 | 19.8 |
| 5 1 | 16 28.70 | −18 55.4 | 2.420 | 3.345 | 8.1 | 19.6 |
| 5 11 | 16 22.39 | −18 27.1 | 2.363 | 3.343 | 5.0 | 19.4 |
| 5 21 | 16 15.03 | −17 57.0 | 2.333 | 3.341 | 1.8 | 19.2 |
| 5 31 | 16 7.34 | −17 27.0 | 2.331 | 3.339 | 2.2 | 19.2 |
| 6 10 | 16 0.07 | −16 59.6 | 2.357 | 3.337 | 5.5 | 19.4 |
| 6 20 | 15 53.86 | −16 36.9 | 2.411 | 3.335 | 8.6 | 19.6 |
| 6 30 | 15 49.24 | −16 20.8 | 2.487 | 3.333 | 11.3 | 19.8 |
| **380821** 2005 $YQ_{143}$ | | | 5 25.8 | 141°.82 | 1°.2/25.3 | 17 |
| 4 21 | 16 38.39 | −18 18.9 | 2.113 | 2.957 | 12.5 | 22.0 |
| 5 1 | 16 32.59 | −18 8.4 | 2.042 | 2.966 | 9.4 | 21.8 |
| 5 11 | 16 24.86 | −17 55.7 | 1.995 | 2.975 | 5.8 | 21.6 |
| 5 21 | 16 15.87 | −17 41.9 | 1.974 | 2.983 | 2.1 | 21.4 |
| 5 31 | 16 6.50 | −17 28.5 | 1.982 | 2.990 | 2.5 | 21.4 |
| 6 10 | 15 57.72 | −17 17.6 | 2.018 | 2.997 | 6.2 | 21.7 |
| 6 20 | 15 50.29 | −17 11.2 | 2.080 | 3.004 | 9.7 | 21.9 |
| 6 30 | 15 44.83 | −17 10.9 | 2.165 | 3.010 | 12.7 | 22.1 |
| **100697** 1997 $YB_{15}$ | | | 5 25.8 | 151°.83 | 1°.2/25.4 | 17 |
| 4 21 | 16 40.78 | −18 51.8 | 1.666 | 2.518 | 15.0 | 20.6 |
| 5 1 | 16 34.89 | −18 40.8 | 1.596 | 2.524 | 11.2 | 20.4 |
| 5 11 | 16 26.51 | −18 26.7 | 1.548 | 2.529 | 7.0 | 20.2 |
| 5 21 | 16 16.45 | −18 10.5 | 1.526 | 2.534 | 2.5 | 19.9 |
| 5 31 | 16 5.88 | −17 54.3 | 1.530 | 2.539 | 2.9 | 19.9 |
| 6 10 | 15 56.03 | −17 40.8 | 1.561 | 2.543 | 7.4 | 20.2 |
| 6 20 | 15 47.93 | −17 32.6 | 1.617 | 2.546 | 11.6 | 20.5 |
| 6 30 | 15 42.31 | −17 32.1 | 1.694 | 2.550 | 15.2 | 20.7 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **95298** 2002 $CL_{93}$ | | | 5 25.8 | 338°.20 | 0°.8/25.5 | 17 |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 32.92 | −19 58.7 | 1.838 | 2.698 | 13.4 | 19.5 |
| 5 1 | 16 28.97 | −19 45.5 | 1.755 | 2.687 | 10.1 | 19.2 |
| 5 11 | 16 22.86 | −19 28.5 | 1.695 | 2.678 | 6.3 | 19.0 |
| 5 21 | 16 15.26 | −19 8.7 | 1.659 | 2.668 | 2.1 | 18.7 |
| 5 31 | 16 7.10 | −18 48.1 | 1.650 | 2.660 | 2.5 | 18.7 |
| 6 10 | 15 59.43 | −18 29.6 | 1.667 | 2.652 | 6.7 | 18.9 |
| 6 20 | 15 53.14 | −18 15.9 | 1.709 | 2.645 | 10.7 | 19.2 |
| 6 30 | 15 48.95 | −18 9.2 | 1.773 | 2.638 | 14.2 | 19.4 |
| **344479** 2002 $PR_{168}$ | | | 5 25.8 | 242°.98 | 2°.3/24.8 | 18 |
| 4 21 | 16 35.73 | −15 35.0 | 2.156 | 3.005 | 12.1 | 21.4 |
| 5 1 | 16 30.69 | −15 11.7 | 2.071 | 2.996 | 9.2 | 21.2 |
| 5 11 | 16 23.76 | −14 47.6 | 2.009 | 2.988 | 5.8 | 21.0 |
| 5 21 | 16 15.53 | −14 24.5 | 1.973 | 2.978 | 2.7 | 20.7 |
| 5 31 | 16 6.82 | −14 4.7 | 1.965 | 2.969 | 3.4 | 20.8 |
| 6 10 | 15 58.53 | −13 50.5 | 1.985 | 2.960 | 6.7 | 21.0 |
| 6 20 | 15 51.46 | −13 43.7 | 2.030 | 2.950 | 10.1 | 21.1 |
| 6 30 | 15 46.22 | −13 45.8 | 2.099 | 2.940 | 13.2 | 21.3 |
| **174515** Pamelaivezic | | | 5 25.8 | 126°.22 | 2°.5/27.1 | 18 |
| 4 21 | 16 37.68 | −29 26.4 | 2.500 | 3.320 | 11.6 | 21.0 |
| 5 1 | 16 31.96 | −29 39.1 | 2.426 | 3.331 | 8.9 | 20.8 |
| 5 11 | 16 24.42 | −29 43.5 | 2.375 | 3.341 | 6.0 | 20.7 |
| 5 21 | 16 15.72 | −29 38.6 | 2.352 | 3.351 | 3.3 | 20.5 |
| 5 31 | 16 6.66 | −29 24.8 | 2.356 | 3.361 | 2.8 | 20.5 |
| 6 10 | 15 58.12 | −29 4.0 | 2.390 | 3.370 | 5.3 | 20.7 |
| 6 20 | 15 50.85 | −28 39.0 | 2.450 | 3.379 | 8.2 | 20.9 |
| 6 30 | 15 45.40 | −28 13.3 | 2.534 | 3.388 | 10.8 | 21.0 |
| **423684** 2005 $YG_{246}$ | | | 5 25.8 | 201°.86 | 6°.0/22.9 | 17 |
| 4 21 | 16 36.58 | − 4 41.6 | 2.188 | 3.024 | 12.4 | 21.8 |
| 5 1 | 16 31.17 | − 3 54.8 | 2.112 | 3.020 | 9.9 | 21.7 |
| 5 11 | 16 23.97 | − 3 14.4 | 2.060 | 3.016 | 7.5 | 21.5 |
| 5 21 | 16 15.58 | − 2 44.2 | 2.034 | 3.012 | 6.1 | 21.4 |
| 5 31 | 16 6.79 | − 2 27.4 | 2.036 | 3.007 | 6.8 | 21.4 |
| 6 10 | 15 58.45 | − 2 26.1 | 2.063 | 3.001 | 9.0 | 21.6 |
| 6 20 | 15 51.30 | − 2 40.4 | 2.116 | 2.995 | 11.6 | 21.7 |
| 6 30 | 15 45.92 | − 3 9.3 | 2.190 | 2.988 | 14.1 | 21.9 |
| **216339** 2007 $WT_{27}$ | | | 5 25.8 | 90°.51 | 1°.8/26.3 | 17 |
| 4 21 | 16 41.84 | −23 52.9 | 1.499 | 2.351 | 16.3 | 20.2 |
| 5 1 | 16 36.12 | −24 25.2 | 1.431 | 2.357 | 12.4 | 20.0 |
| 5 11 | 16 27.49 | −24 51.8 | 1.384 | 2.363 | 7.9 | 19.7 |
| 5 21 | 16 16.83 | −25 10.5 | 1.362 | 2.369 | 3.3 | 19.5 |
| 5 31 | 16 5.47 | −25 20.7 | 1.365 | 2.375 | 3.0 | 19.5 |
| 6 10 | 15 54.89 | −25 24.0 | 1.394 | 2.381 | 7.6 | 19.8 |
| 6 20 | 15 46.33 | −25 23.6 | 1.448 | 2.386 | 12.0 | 20.0 |
| 6 30 | 15 40.64 | −25 23.6 | 1.522 | 2.392 | 15.8 | 20.3 |
| **201688** 2003 $UA_{114}$ | | | 5 25.8 | 201°.78 | 1°.4/25.3 | 18 |
| 4 21 | 16 37.79 | −16 52.2 | 2.192 | 3.036 | 12.2 | 20.6 |
| 5 1 | 16 32.21 | −16 54.5 | 2.110 | 3.033 | 9.1 | 20.4 |
| 5 11 | 16 24.69 | −16 56.4 | 2.051 | 3.030 | 5.7 | 20.2 |
| 5 21 | 16 15.85 | −16 58.6 | 2.020 | 3.027 | 2.2 | 20.0 |
| 5 31 | 16 6.52 | −17 1.9 | 2.016 | 3.024 | 2.6 | 20.0 |
| 6 10 | 15 57.63 | −17 7.8 | 2.041 | 3.021 | 6.2 | 20.2 |
| 6 20 | 15 49.99 | −17 17.4 | 2.093 | 3.017 | 9.7 | 20.4 |
| 6 30 | 15 44.23 | −17 32.1 | 2.167 | 3.012 | 12.7 | 20.6 |
| **399982** 2006 $BW_{235}$ | | | 5 25.8 | 174°.51 | 3°.5/24.1 | 17 |
| 4 21 | 16 33.20 | − 9 40.8 | 2.620 | 3.462 | 10.5 | 21.2 |
| 5 1 | 16 28.41 | − 9 21.8 | 2.544 | 3.462 | 8.0 | 21.0 |
| 5 11 | 16 22.17 | − 9 6.1 | 2.492 | 3.462 | 5.5 | 20.8 |
| 5 21 | 16 14.97 | − 8 55.8 | 2.468 | 3.463 | 3.6 | 20.7 |
| 5 31 | 16 7.47 | − 8 52.4 | 2.471 | 3.463 | 4.2 | 20.7 |
| 6 10 | 16 0.34 | − 8 57.4 | 2.503 | 3.463 | 6.4 | 20.9 |
| 6 20 | 15 54.17 | − 9 11.0 | 2.560 | 3.463 | 9.0 | 21.0 |
| 6 30 | 15 49.46 | − 9 33.3 | 2.641 | 3.463 | 11.4 | 21.2 |
| **164979** 2000 $AK_{152}$ | | | 5 25.8 | 143°.30 | 4°.1/28.1 | 18 |
| 4 21 | 16 46.83 | −35 17.8 | 1.277 | 2.109 | 19.7 | 19.6 |
| 5 1 | 16 40.24 | −34 24.3 | 1.208 | 2.117 | 15.6 | 19.4 |
| 5 11 | 16 30.07 | −33 3.7 | 1.158 | 2.124 | 10.8 | 19.1 |
| 5 21 | 16 17.63 | −31 15.5 | 1.131 | 2.130 | 5.9 | 18.9 |
| 5 31 | 16 4.77 | −29 4.9 | 1.129 | 2.136 | 4.5 | 18.8 |
| 6 10 | 15 53.36 | −26 43.7 | 1.154 | 2.141 | 8.7 | 19.1 |
| 6 20 | 15 44.76 | −24 25.7 | 1.203 | 2.146 | 13.6 | 19.3 |
| 6 30 | 15 39.69 | −22 22.4 | 1.274 | 2.150 | 17.9 | 19.6 |
| **313046** 2000 $QH_{150}$ | | | 5 25.8 | 203°.65 | 3°.6/27.4 | 17 |
| 4 21 | 16 43.15 | −31 29.0 | 1.975 | 2.794 | 14.3 | 20.6 |
| 5 1 | 16 36.71 | −31 38.9 | 1.887 | 2.789 | 11.2 | 20.4 |
| 5 11 | 16 27.69 | −31 36.6 | 1.821 | 2.783 | 7.8 | 20.2 |
| 5 21 | 16 16.89 | −31 20.1 | 1.780 | 2.777 | 4.5 | 20.0 |
| 5 31 | 16 5.41 | −30 49.1 | 1.767 | 2.770 | 3.9 | 19.9 |
| 6 10 | 15 54.55 | −30 6.6 | 1.782 | 2.762 | 6.9 | 20.1 |
| 6 20 | 15 45.39 | −29 17.6 | 1.823 | 2.753 | 10.5 | 20.3 |
| 6 30 | 15 38.72 | −28 28.0 | 1.886 | 2.743 | 13.8 | 20.5 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **497708** 2006 $SN_{103}$ | | | 5 25.8 178°.72 | 0°.4/26.0 17 | | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 40.27 | −23 13.8 | 1.988 | 2.827 | 13.4 | 22.7 |
| 5 1 | 16 34.25 | −23 5.9 | 1.909 | 2.829 | 10.1 | 22.5 |
| 5 11 | 16 26.02 | −22 51.6 | 1.852 | 2.830 | 6.3 | 22.3 |
| 5 21 | 16 16.30 | −22 31.2 | 1.823 | 2.831 | 2.2 | 22.0 |
| 5 31 | 16 6.07 | −22 6.1 | 1.821 | 2.831 | 2.2 | 22.0 |
| 6 10 | 15 56.45 | −21 39.0 | 1.847 | 2.830 | 6.3 | 22.3 |
| 6 20 | 15 48.34 | −21 13.4 | 1.899 | 2.829 | 10.1 | 22.5 |
| 6 30 | 15 42.43 | −20 52.6 | 1.974 | 2.827 | 13.4 | 22.7 |
| **379264** 2009 $UW_{47}$ | | | 5 25.8 109°.26 | 1°.7/24.8 17 | | |
| 4 21 | 16 38.61 | −19 3.9 | 2.143 | 2.985 | 12.4 | 21.2 |
| 5 1 | 16 32.53 | −18 9.6 | 2.084 | 3.007 | 9.2 | 21.0 |
| 5 11 | 16 24.67 | −17 11.2 | 2.049 | 3.028 | 5.7 | 20.8 |
| 5 21 | 16 15.77 | −16 11.5 | 2.042 | 3.049 | 2.3 | 20.6 |
| 5 31 | 16 6.71 | −15 14.1 | 2.064 | 3.070 | 3.0 | 20.7 |
| 6 10 | 15 58.36 | −14 22.7 | 2.115 | 3.089 | 6.4 | 21.0 |
| 6 20 | 15 51.42 | −13 40.5 | 2.192 | 3.109 | 9.6 | 21.2 |
| 6 30 | 15 46.40 | −13 9.2 | 2.292 | 3.127 | 12.4 | 21.4 |
| **198130** 2004 $TZ_{30}$ | | | 5 25.8 218°.72 | 2°.5/27.0 18 | | |
| 4 21 | 16 39.57 | −29 19.4 | 2.365 | 3.185 | 12.2 | 21.8 |
| 5 1 | 16 33.63 | −29 25.6 | 2.270 | 3.176 | 9.4 | 21.6 |
| 5 11 | 16 25.62 | −29 22.9 | 2.199 | 3.166 | 6.4 | 21.4 |
| 5 21 | 16 16.18 | −29 9.9 | 2.155 | 3.156 | 3.4 | 21.2 |
| 5 31 | 16 6.18 | −28 47.0 | 2.139 | 3.144 | 2.9 | 21.1 |
| 6 10 | 15 56.62 | −28 16.2 | 2.152 | 3.133 | 5.8 | 21.3 |
| 6 20 | 15 48.36 | −27 41.1 | 2.191 | 3.120 | 9.0 | 21.5 |
| 6 30 | 15 42.09 | −27 5.7 | 2.255 | 3.108 | 12.0 | 21.7 |
| **244868** 2003 $UL_{222}$ | | | 5 25.8 219°.85 | 0°.1/25.9 18 | | |
| 4 21 | 16 36.75 | −23 49.2 | 2.347 | 3.184 | 11.7 | 20.8 |
| 5 1 | 16 31.34 | −23 12.1 | 2.257 | 3.176 | 8.8 | 20.6 |
| 5 11 | 16 24.10 | −22 27.3 | 2.190 | 3.168 | 5.5 | 20.4 |
| 5 21 | 16 15.65 | −21 36.1 | 2.151 | 3.160 | 1.8 | 20.1 |
| 5 31 | 16 6.78 | −20 40.9 | 2.141 | 3.151 | 2.0 | 20.1 |
| 6 10 | 15 58.39 | −19 45.5 | 2.159 | 3.142 | 5.7 | 20.3 |
| 6 20 | 15 51.23 | −18 53.5 | 2.205 | 3.132 | 9.1 | 20.5 |
| 6 30 | 15 45.88 | −18 8.4 | 2.275 | 3.122 | 12.1 | 20.7 |
| **172398** 2003 $BT_{20}$ | | | 5 25.8 92°.91 | 2°.6/24.7 18 | | |
| 4 21 | 16 36.01 | −13 27.9 | 2.329 | 3.173 | 11.5 | 20.2 |
| 5 1 | 16 30.54 | −13 10.5 | 2.270 | 3.192 | 8.6 | 20.1 |
| 5 11 | 16 23.46 | −12 54.5 | 2.235 | 3.211 | 5.5 | 19.9 |
| 5 21 | 16 15.39 | −12 41.5 | 2.227 | 3.230 | 2.9 | 19.8 |
| 5 31 | 16 7.09 | −12 33.2 | 2.248 | 3.248 | 3.5 | 19.9 |
| 6 10 | 15 59.35 | −12 31.2 | 2.296 | 3.267 | 6.2 | 20.1 |
| 6 20 | 15 52.81 | −12 36.3 | 2.371 | 3.285 | 9.1 | 20.3 |
| 6 30 | 15 47.95 | −12 48.9 | 2.469 | 3.302 | 11.7 | 20.5 |
| **505198** 2012 $TN_{158}$ | | | 5 25.8 165°.02 | 4°.6/27.7 17 | | |
| 4 21 | 16 41.52 | −34 19.2 | 2.389 | 3.191 | 12.6 | 22.1 |
| 5 1 | 16 35.17 | −35 3.9 | 2.308 | 3.195 | 10.1 | 21.9 |
| 5 11 | 16 26.62 | −35 38.1 | 2.250 | 3.198 | 7.4 | 21.7 |
| 5 21 | 16 16.52 | −35 59.0 | 2.218 | 3.201 | 5.2 | 21.6 |
| 5 31 | 16 5.83 | −36 5.1 | 2.214 | 3.203 | 4.8 | 21.6 |
| 6 10 | 15 55.63 | −35 57.5 | 2.238 | 3.206 | 6.6 | 21.7 |
| 6 20 | 15 46.85 | −35 39.3 | 2.288 | 3.207 | 9.2 | 21.8 |
| 6 30 | 15 40.22 | −35 15.0 | 2.362 | 3.209 | 11.7 | 22.0 |
| **68948** Mikeoates | | | 5 25.8 320°.90 | 0°.3/25.9 18 | | |
| 4 21 | 16 36.34 | −22 33.3 | 1.874 | 2.724 | 13.6 | 20.1 |
| 5 1 | 16 31.48 | −22 28.8 | 1.795 | 2.722 | 10.3 | 19.9 |
| 5 11 | 16 24.39 | −22 18.7 | 1.739 | 2.719 | 6.4 | 19.7 |
| 5 21 | 16 15.78 | −22 3.3 | 1.708 | 2.717 | 2.2 | 19.4 |
| 5 31 | 16 6.64 | −21 44.0 | 1.704 | 2.714 | 2.2 | 19.4 |
| 6 10 | 15 58.05 | −21 23.5 | 1.726 | 2.712 | 6.5 | 19.6 |
| 6 20 | 15 50.95 | −21 4.8 | 1.774 | 2.710 | 10.4 | 19.9 |
| 6 30 | 15 46.03 | −20 51.0 | 1.844 | 2.708 | 13.8 | 20.1 |
| **94270** 2001 $DZ_{19}$ | | | 5 25.8 238°.48 | 4°.5/28.0 18 | | |
| 4 21 | 16 38.04 | −35 54.4 | 2.728 | 3.523 | 11.4 | 19.6 |
| 5 1 | 16 32.42 | −36 26.2 | 2.633 | 3.514 | 9.2 | 19.4 |
| 5 11 | 16 24.86 | −36 47.6 | 2.562 | 3.505 | 6.9 | 19.3 |
| 5 21 | 16 15.94 | −36 56.4 | 2.517 | 3.495 | 5.0 | 19.1 |
| 5 31 | 16 6.46 | −36 51.7 | 2.500 | 3.485 | 4.6 | 19.1 |
| 6 10 | 15 57.34 | −36 34.5 | 2.510 | 3.475 | 6.1 | 19.2 |
| 6 20 | 15 49.40 | −36 7.7 | 2.547 | 3.465 | 8.4 | 19.3 |
| 6 30 | 15 43.30 | −35 35.1 | 2.608 | 3.455 | 10.8 | 19.5 |
| **10647** Meesters | | | 5 25.8 54°.10 | 1°.5/24.9 18 | | |
| 4 21 | 16 34.51 | −19 25.4 | 2.037 | 2.889 | 12.6 | 17.9 |
| 5 1 | 16 29.78 | −18 40.2 | 1.964 | 2.893 | 9.4 | 17.7 |
| 5 11 | 16 23.16 | −17 50.3 | 1.915 | 2.896 | 5.8 | 17.5 |
| 5 21 | 16 15.33 | −16 58.2 | 1.892 | 2.900 | 2.2 | 17.3 |
| 5 31 | 16 7.16 | −16 7.2 | 1.897 | 2.904 | 2.9 | 17.3 |
| 6 10 | 15 59.57 | −15 21.3 | 1.929 | 2.908 | 6.5 | 17.5 |
| 6 20 | 15 53.32 | −14 43.4 | 1.987 | 2.912 | 10.0 | 17.8 |
| 6 30 | 15 48.97 | −14 16.1 | 2.067 | 2.916 | 13.1 | 18.0 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **479199** 2013 $CA_{85}$ | | | 5 25.8 184°.63 | 3°.2/27.5 18 | | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 37.50 | −31 59.3 | 2.613 | 3.425 | 11.4 | 21.7 |
| 5 1 | 16 31.90 | −32 15.2 | 2.528 | 3.425 | 8.9 | 21.5 |
| 5 11 | 16 24.45 | −32 21.7 | 2.466 | 3.424 | 6.3 | 21.3 |
| 5 21 | 16 15.78 | −32 17.6 | 2.431 | 3.424 | 3.9 | 21.2 |
| 5 31 | 16 6.67 | −32 2.7 | 2.424 | 3.423 | 3.4 | 21.1 |
| 6 10 | 15 58.00 | −31 38.8 | 2.445 | 3.422 | 5.5 | 21.3 |
| 6 20 | 15 50.55 | −31 8.9 | 2.493 | 3.420 | 8.2 | 21.4 |
| 6 30 | 15 44.89 | −30 36.7 | 2.566 | 3.419 | 10.7 | 21.6 |
| **141191** 2001 $XA_{182}$ | | | 5 25.8 119°.27 | 2°.8/24.4 18 | | |
| 4 21 | 16 34.57 | −12 49.8 | 2.503 | 3.346 | 10.8 | 20.4 |
| 5 1 | 16 29.43 | −12 25.3 | 2.435 | 3.357 | 8.2 | 20.2 |
| 5 11 | 16 22.78 | −12 2.0 | 2.392 | 3.367 | 5.3 | 20.1 |
| 5 21 | 16 15.18 | −11 42.0 | 2.376 | 3.377 | 3.0 | 19.9 |
| 5 31 | 16 7.33 | −11 27.2 | 2.389 | 3.388 | 3.6 | 20.0 |
| 6 10 | 15 59.93 | −11 19.3 | 2.430 | 3.397 | 6.2 | 20.2 |
| 6 20 | 15 53.61 | −11 19.1 | 2.497 | 3.407 | 8.9 | 20.4 |
| 6 30 | 15 48.84 | −11 27.3 | 2.588 | 3.416 | 11.4 | 20.5 |
| **107821** 2001 $FK_{63}$ | | | 5 25.9 81°.35 | 0°.3/25.8 18 | | |
| 4 21 | 16 40.37 | −21 2.3 | 1.492 | 2.349 | 16.1 | 20.2 |
| 5 1 | 16 34.74 | −20 57.9 | 1.433 | 2.364 | 12.1 | 20.0 |
| 5 11 | 16 26.46 | −20 48.4 | 1.396 | 2.378 | 7.4 | 19.7 |
| 5 21 | 16 16.46 | −20 34.5 | 1.383 | 2.392 | 2.4 | 19.5 |
| 5 31 | 16 6.02 | −20 17.9 | 1.396 | 2.407 | 2.7 | 19.5 |
| 6 10 | 15 56.49 | −20 1.8 | 1.435 | 2.421 | 7.5 | 19.8 |
| 6 20 | 15 48.93 | −19 49.6 | 1.498 | 2.435 | 11.8 | 20.1 |
| 6 30 | 15 44.04 | −19 43.9 | 1.582 | 2.449 | 15.5 | 20.4 |
| **431429** 2007 $MZ_{4}$ | | | 5 25.9 345°.62 | 6°.1/22.3 17 | | |
| 4 21 | 16 32.08 | −13 5.9 | 1.409 | 2.285 | 15.8 | 20.3 |
| 5 1 | 16 28.68 | −11 16.9 | 1.339 | 2.277 | 12.1 | 20.0 |
| 5 11 | 16 22.81 | − 9 24.3 | 1.292 | 2.270 | 8.4 | 19.8 |
| 5 21 | 16 15.29 | − 7 35.8 | 1.268 | 2.264 | 6.1 | 19.7 |
| 5 31 | 16 7.23 | − 6 0.5 | 1.270 | 2.259 | 7.5 | 19.7 |
| 6 10 | 15 59.86 | − 4 45.8 | 1.295 | 2.255 | 11.2 | 19.9 |
| 6 20 | 15 54.20 | − 3 56.0 | 1.343 | 2.251 | 15.0 | 20.1 |
| 6 30 | 15 50.95 | − 3 31.9 | 1.408 | 2.249 | 18.5 | 20.4 |
| **434698** 2006 $BS_{211}$ | | | 5 25.9 168°.90 | 6°.8/22.4 17 | | |
| 4 21 | 16 36.19 | − 1 47.8 | 2.287 | 3.116 | 12.2 | 21.7 |
| 5 1 | 16 30.75 | − 0 53.7 | 2.220 | 3.120 | 9.9 | 21.5 |
| 5 11 | 16 23.66 | − 0 7.9 | 2.178 | 3.123 | 7.8 | 21.4 |
| 5 21 | 16 15.50 | + 0 25.7 | 2.161 | 3.126 | 6.8 | 21.4 |
| 5 31 | 16 7.02 | + 0 43.9 | 2.172 | 3.128 | 7.4 | 21.4 |
| 6 10 | 15 59.03 | + 0 44.9 | 2.208 | 3.130 | 9.3 | 21.5 |
| 6 20 | 15 52.19 | + 0 29.1 | 2.269 | 3.131 | 11.6 | 21.7 |
| 6 30 | 15 47.04 | − 0 2.2 | 2.351 | 3.132 | 13.8 | 21.8 |
| **380200** 2000 $YL_{56}$ | | | 5 25.9 186°.32 | 3°.1/27.7 18 | | |
| 4 21 | 16 39.99 | −32 52.1 | 2.498 | 3.305 | 12.0 | 21.8 |
| 5 1 | 16 33.76 | −32 44.4 | 2.410 | 3.304 | 9.4 | 21.6 |
| 5 11 | 16 25.59 | −32 25.0 | 2.345 | 3.304 | 6.6 | 21.4 |
| 5 21 | 16 16.15 | −31 53.0 | 2.308 | 3.302 | 3.9 | 21.3 |
| 5 31 | 16 6.32 | −31 9.1 | 2.299 | 3.300 | 3.3 | 21.2 |
| 6 10 | 15 57.05 | −30 16.3 | 2.319 | 3.297 | 5.6 | 21.4 |
| 6 20 | 15 49.13 | −29 18.9 | 2.366 | 3.294 | 8.5 | 21.5 |
| 6 30 | 15 43.16 | −28 21.5 | 2.438 | 3.290 | 11.3 | 21.7 |
| **105517** 2000 $RA_{16}$ | | | 5 25.9 182°.05 | 4°.7/28.7 18 | | |
| 4 21 | 16 38.67 | −38 7.1 | 2.735 | 3.521 | 11.6 | 20.3 |
| 5 1 | 16 32.79 | −38 21.6 | 2.649 | 3.521 | 9.5 | 20.2 |
| 5 11 | 16 25.00 | −38 23.5 | 2.585 | 3.521 | 7.2 | 20.0 |
| 5 21 | 16 15.96 | −38 10.9 | 2.548 | 3.521 | 5.3 | 19.9 |
| 5 31 | 16 6.52 | −37 43.6 | 2.538 | 3.521 | 4.8 | 19.9 |
| 6 10 | 15 57.58 | −37 3.7 | 2.556 | 3.520 | 6.1 | 19.9 |
| 6 20 | 15 49.93 | −36 14.6 | 2.600 | 3.518 | 8.3 | 20.1 |
| 6 30 | 15 44.16 | −35 21.2 | 2.670 | 3.517 | 10.5 | 20.2 |
| **351971** 2006 $UD_{28}$ | | | 5 25.9 195°.97 | 0°.3/25.7 16 | | |
| 4 21 | 16 35.25 | −21 21.2 | 2.439 | 3.279 | 11.2 | 22.0 |
| 5 1 | 16 30.15 | −21 6.7 | 2.356 | 3.278 | 8.4 | 21.8 |
| 5 11 | 16 23.34 | −20 47.8 | 2.297 | 3.276 | 5.2 | 21.6 |
| 5 21 | 16 15.41 | −20 25.6 | 2.265 | 3.274 | 1.7 | 21.4 |
| 5 31 | 16 7.10 | −20 1.4 | 2.262 | 3.272 | 1.9 | 21.4 |
| 6 10 | 15 59.23 | −19 37.6 | 2.288 | 3.270 | 5.4 | 21.6 |
| 6 20 | 15 52.49 | −19 16.5 | 2.340 | 3.267 | 8.6 | 21.8 |
| 6 30 | 15 47.43 | −19 0.4 | 2.416 | 3.265 | 11.4 | 22.0 |
| **258610** 2002 $CR_{290}$ | | | 5 25.9 29°.78 | 1°.6/26.3 17 | | |
| 4 21 | 16 37.36 | −23 59.9 | 1.985 | 2.828 | 13.2 | 19.8 |
| 5 1 | 16 32.16 | −24 33.0 | 1.913 | 2.834 | 10.0 | 19.6 |
| 5 11 | 16 24.78 | −25 1.4 | 1.864 | 2.840 | 6.4 | 19.4 |
| 5 21 | 16 15.93 | −25 23.9 | 1.841 | 2.847 | 2.7 | 19.2 |
| 5 31 | 16 6.56 | −25 39.9 | 1.845 | 2.854 | 2.5 | 19.2 |
| 6 10 | 15 57.74 | −25 50.4 | 1.877 | 2.861 | 6.1 | 19.4 |
| 6 20 | 15 50.36 | −25 57.3 | 1.934 | 2.869 | 9.7 | 19.7 |
| 6 30 | 15 45.13 | −26 3.5 | 2.014 | 2.877 | 12.8 | 19.9 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **440602** 2005 $VT_{54}$ | | | 5 25.9 304.°59 | | 0.°2/25.8 18 | |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.26 | −19 38.1 | 2.191 | 3.037 | 12.1 | 21.1 |
| 5 1 | 16 31.20 | −19 56.2 | 2.104 | 3.028 | 9.1 | 20.9 |
| 5 11 | 16 24.16 | −20 12.9 | 2.040 | 3.020 | 5.7 | 20.7 |
| 5 21 | 16 15.73 | −20 27.9 | 2.003 | 3.012 | 1.9 | 20.4 |
| 5 31 | 16 6.75 | −20 41.5 | 1.994 | 3.004 | 2.0 | 20.4 |
| 6 10 | 15 58.14 | −20 54.5 | 2.013 | 2.996 | 5.9 | 20.7 |
| 6 20 | 15 50.74 | −21 8.1 | 2.058 | 2.989 | 9.4 | 20.9 |
| 6 30 | 15 45.22 | −21 24.0 | 2.126 | 2.981 | 12.5 | 21.1 |
| **479089** 2013 $AM_{116}$ | | | 5 25.9 155.°52 | | 0.°1/25.8 17 | |
| 4 21 | 16 35.28 | −21 12.9 | 2.522 | 3.361 | 10.9 | 21.8 |
| 5 1 | 16 30.11 | −21 9.0 | 2.443 | 3.364 | 8.2 | 21.6 |
| 5 11 | 16 23.29 | −21 1.5 | 2.388 | 3.367 | 5.0 | 21.4 |
| 5 21 | 16 15.40 | −20 50.9 | 2.361 | 3.370 | 1.7 | 21.2 |
| 5 31 | 16 7.15 | −20 38.4 | 2.362 | 3.373 | 1.8 | 21.2 |
| 6 10 | 15 59.34 | −20 25.6 | 2.393 | 3.375 | 5.2 | 21.5 |
| 6 20 | 15 52.63 | −20 14.6 | 2.449 | 3.377 | 8.3 | 21.7 |
| 6 30 | 15 47.55 | −20 7.2 | 2.530 | 3.379 | 11.0 | 21.8 |
| **12798** 1995 $WZ_{4}$ | | | 5 25.9 115.°13 | | 1.°5/25.3 18 | |
| 4 21 | 16 40.16 | −18 5.0 | 1.724 | 2.576 | 14.6 | 18.5 |
| 5 1 | 16 34.27 | −17 51.7 | 1.661 | 2.588 | 10.9 | 18.2 |
| 5 11 | 16 26.05 | −17 36.1 | 1.620 | 2.601 | 6.7 | 18.0 |
| 5 21 | 16 16.34 | −17 19.6 | 1.605 | 2.613 | 2.5 | 17.8 |
| 5 31 | 16 6.22 | −17 4.0 | 1.617 | 2.625 | 3.0 | 17.8 |
| 6 10 | 15 56.87 | −16 52.2 | 1.655 | 2.636 | 7.2 | 18.1 |
| 6 20 | 15 49.21 | −16 46.3 | 1.719 | 2.647 | 11.1 | 18.4 |
| 6 30 | 15 43.90 | −16 48.1 | 1.805 | 2.658 | 14.5 | 18.6 |
| **510854** 2013 $CU_{73}$ | | | 5 25.9 108.°34 | | 0.°7/25.5 17 | |
| 4 21 | 16 35.18 | −19 41.7 | 2.489 | 3.330 | 11.0 | 22.3 |
| 5 1 | 16 29.96 | −19 30.0 | 2.420 | 3.343 | 8.2 | 22.1 |
| 5 11 | 16 23.15 | −19 15.4 | 2.375 | 3.354 | 5.0 | 21.9 |
| 5 21 | 16 15.35 | −18 58.9 | 2.357 | 3.366 | 1.7 | 21.7 |
| 5 31 | 16 7.26 | −18 42.1 | 2.368 | 3.378 | 2.0 | 21.8 |
| 6 10 | 15 59.67 | −18 26.7 | 2.408 | 3.389 | 5.3 | 22.0 |
| 6 20 | 15 53.20 | −18 14.6 | 2.474 | 3.400 | 8.3 | 22.2 |
| 6 30 | 15 48.36 | −18 7.5 | 2.565 | 3.411 | 10.9 | 22.4 |
| **63138** 2000 $WQ_{191}$ | | | 5 25.9 148.°31 | | 2.°6/24.7 18 | |
| 4 21 | 16 34.98 | −12 56.2 | 2.492 | 3.335 | 10.9 | 19.8 |
| 5 1 | 16 29.83 | −12 44.9 | 2.417 | 3.339 | 8.2 | 19.6 |
| 5 11 | 16 23.10 | −12 35.3 | 2.367 | 3.343 | 5.3 | 19.4 |
| 5 21 | 16 15.34 | −12 28.8 | 2.344 | 3.346 | 2.9 | 19.3 |
| 5 31 | 16 7.26 | −12 26.9 | 2.349 | 3.349 | 3.4 | 19.3 |
| 6 10 | 15 59.59 | −12 30.9 | 2.382 | 3.352 | 6.1 | 19.5 |
| 6 20 | 15 52.99 | −12 41.6 | 2.442 | 3.355 | 8.9 | 19.7 |
| 6 30 | 15 47.95 | −12 59.3 | 2.525 | 3.358 | 11.5 | 19.8 |
| **309158** 2007 $AV_{9}$ | | | 5 25.9 164.°37 | | 3.°1/27.7 18 | |
| 4 21 | 16 36.47 | −32 16.2 | 2.557 | 3.371 | 11.5 | 20.9 |
| 5 1 | 16 31.14 | −32 20.9 | 2.474 | 3.373 | 9.1 | 20.7 |
| 5 11 | 16 23.99 | −32 15.4 | 2.415 | 3.374 | 6.3 | 20.5 |
| 5 21 | 16 15.65 | −31 58.8 | 2.382 | 3.376 | 3.9 | 20.4 |
| 5 31 | 16 6.94 | −31 31.6 | 2.377 | 3.377 | 3.3 | 20.3 |
| 6 10 | 15 58.71 | −30 55.9 | 2.400 | 3.379 | 5.4 | 20.5 |
| 6 20 | 15 51.72 | −30 15.2 | 2.450 | 3.380 | 8.2 | 20.7 |
| 6 30 | 15 46.53 | −29 33.4 | 2.524 | 3.381 | 10.8 | 20.8 |
| **200701** 2001 $UN_{79}$ | | | 5 25.9 99.°63 | | 7.°5/27.8 18 | |
| 4 21 | 16 56.22 | −36 43.8 | 1.734 | 2.525 | 17.0 | 21.1 |
| 5 1 | 16 46.96 | −38 21.2 | 1.682 | 2.557 | 13.9 | 21.0 |
| 5 11 | 16 34.23 | −39 42.5 | 1.653 | 2.588 | 10.6 | 20.8 |
| 5 21 | 16 19.13 | −40 40.3 | 1.649 | 2.618 | 8.1 | 20.7 |
| 5 31 | 16 3.31 | −41 10.3 | 1.672 | 2.647 | 7.6 | 20.8 |
| 6 10 | 15 48.61 | −41 14.1 | 1.722 | 2.675 | 9.4 | 20.9 |
| 6 20 | 15 36.49 | −40 57.9 | 1.797 | 2.701 | 12.1 | 21.2 |
| 6 30 | 15 27.85 | −40 30.2 | 1.895 | 2.727 | 14.7 | 21.4 |
| **21971** 1999 $XG$ | | | 5 25.9 289.°86 | | 2.°2/26.4 18 | |
| 4 21 | 16 40.26 | −24 35.1 | 1.801 | 2.644 | 14.4 | 18.4 |
| 5 1 | 16 34.98 | −25 16.2 | 1.701 | 2.621 | 11.1 | 18.1 |
| 5 11 | 16 26.95 | −25 53.7 | 1.622 | 2.598 | 7.3 | 17.9 |
| 5 21 | 16 16.81 | −26 25.1 | 1.569 | 2.575 | 3.3 | 17.6 |
| 5 31 | 16 5.59 | −26 48.6 | 1.543 | 2.551 | 3.1 | 17.5 |
| 6 10 | 15 54.63 | −27 4.4 | 1.544 | 2.528 | 7.2 | 17.7 |
| 6 20 | 15 45.15 | −27 14.3 | 1.570 | 2.505 | 11.5 | 17.9 |
| 6 30 | 15 38.19 | −27 22.0 | 1.617 | 2.481 | 15.4 | 18.1 |
| **36659** 2000 $QB_{205}$ | | | 5 25.9 206.°20 | | 0.°5/25.6 18 | |
| 4 21 | 16 35.00 | −20 33.4 | 2.576 | 3.415 | 10.7 | 20.3 |
| 5 1 | 16 29.90 | −20 18.2 | 2.490 | 3.411 | 8.0 | 20.1 |
| 5 11 | 16 23.18 | −19 59.3 | 2.429 | 3.408 | 4.9 | 19.9 |
| 5 21 | 16 15.40 | −19 37.6 | 2.395 | 3.403 | 1.7 | 19.7 |
| 5 31 | 16 7.24 | −19 14.7 | 2.390 | 3.399 | 1.9 | 19.7 |
| 6 10 | 15 59.47 | −18 52.6 | 2.413 | 3.394 | 5.2 | 19.9 |
| 6 20 | 15 52.76 | −18 33.6 | 2.464 | 3.389 | 8.3 | 20.1 |
| 6 30 | 15 47.64 | −18 19.5 | 2.538 | 3.384 | 11.1 | 20.3 |

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **9916** Kibirev | | | 5 25.9 245.°70 | | 0.°4/26.0 18 | R |
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.33 | −23 8.5 | 2.146 | 2.989 | 12.4 | 18.0 |
| 5 1 | 16 31.27 | −22 58.9 | 2.059 | 2.982 | 9.4 | 17.8 |
| 5 11 | 16 24.21 | −22 43.4 | 1.996 | 2.975 | 5.9 | 17.5 |
| 5 21 | 16 15.77 | −22 22.4 | 1.959 | 2.967 | 2.0 | 17.3 |
| 5 31 | 16 6.83 | −21 57.3 | 1.950 | 2.960 | 2.0 | 17.2 |
| 6 10 | 15 58.35 | −21 30.8 | 1.968 | 2.952 | 5.9 | 17.5 |
| 6 20 | 15 51.17 | −21 5.7 | 2.012 | 2.945 | 9.5 | 17.7 |
| 6 30 | 15 45.94 | −20 45.2 | 2.080 | 2.937 | 12.7 | 17.9 |
| **31202** 1998 $AX_{7}$ | | | 5 25.9 116.°82 | | 5.°1/24.3 18 | |
| 4 21 | 16 39.33 | − 7 2.4 | 1.898 | 2.740 | 13.8 | 18.3 |
| 5 1 | 16 33.39 | − 6 46.9 | 1.835 | 2.751 | 10.7 | 18.1 |
| 5 11 | 16 25.42 | − 6 38.6 | 1.796 | 2.762 | 7.6 | 17.9 |
| 5 21 | 16 16.14 | − 6 40.0 | 1.782 | 2.773 | 5.3 | 17.8 |
| 5 31 | 16 6.50 | − 6 53.1 | 1.796 | 2.784 | 5.9 | 17.9 |
| 6 10 | 15 57.49 | − 7 18.5 | 1.836 | 2.794 | 8.5 | 18.0 |
| 6 20 | 15 49.96 | − 7 55.5 | 1.901 | 2.804 | 11.6 | 18.2 |
| 6 30 | 15 44.49 | − 8 42.8 | 1.988 | 2.813 | 14.4 | 18.5 |
| **294517** 2007 $XV_{15}$ | | | 5 25.9 218.°70 | | 1.°3/26.3 16 | |
| 4 21 | 16 41.96 | −24 15.4 | 1.812 | 2.652 | 14.5 | 21.6 |
| 5 1 | 16 35.96 | −24 29.3 | 1.725 | 2.645 | 11.1 | 21.4 |
| 5 11 | 16 27.35 | −24 37.0 | 1.660 | 2.637 | 7.1 | 21.1 |
| 5 21 | 16 16.88 | −24 37.3 | 1.621 | 2.628 | 2.8 | 20.8 |
| 5 31 | 16 5.64 | −24 30.2 | 1.610 | 2.619 | 2.6 | 20.8 |
| 6 10 | 15 54.92 | −24 17.7 | 1.625 | 2.610 | 6.9 | 21.1 |
| 6 20 | 15 45.85 | −24 3.3 | 1.666 | 2.599 | 11.1 | 21.3 |
| 6 30 | 15 39.27 | −23 50.7 | 1.730 | 2.588 | 14.8 | 21.5 |
| **272622** 2005 $WU_{38}$ | | | 5 25.9 193.°06 | | 3.°1/24.9 18 | R |
| 4 21 | 16 39.19 | −12 24.4 | 1.928 | 2.775 | 13.4 | 20.7 |
| 5 1 | 16 33.47 | −12 23.8 | 1.851 | 2.774 | 10.2 | 20.5 |
| 5 11 | 16 25.59 | −12 26.5 | 1.797 | 2.773 | 6.6 | 20.3 |
| 5 21 | 16 16.24 | −12 33.8 | 1.768 | 2.772 | 3.5 | 20.1 |
| 5 31 | 16 6.35 | −12 47.0 | 1.768 | 2.770 | 4.0 | 20.1 |
| 6 10 | 15 56.98 | −13 7.2 | 1.795 | 2.768 | 7.4 | 20.3 |
| 6 20 | 15 49.02 | −13 34.7 | 1.847 | 2.766 | 11.0 | 20.5 |
| 6 30 | 15 43.16 | −14 9.5 | 1.922 | 2.764 | 14.2 | 20.7 |
| **429824** 2012 $MC_{8}$ | | | 5 25.9 326.°13 | | 5.°7/28.7 18 | |
| 4 21 | 16 38.83 | −36 47.4 | 1.644 | 2.466 | 16.5 | 20.4 |
| 5 1 | 16 34.00 | −36 48.6 | 1.563 | 2.461 | 13.4 | 20.2 |
| 5 11 | 16 26.25 | −36 30.5 | 1.502 | 2.456 | 9.9 | 20.0 |
| 5 21 | 16 16.51 | −35 50.3 | 1.464 | 2.452 | 6.8 | 19.8 |
| 5 31 | 16 6.10 | −34 48.5 | 1.451 | 2.447 | 5.8 | 19.7 |
| 6 10 | 15 56.53 | −33 29.9 | 1.464 | 2.443 | 8.1 | 19.8 |
| 6 20 | 15 49.00 | −32 2.3 | 1.500 | 2.439 | 11.7 | 20.0 |
| 6 30 | 15 44.33 | −30 34.3 | 1.559 | 2.436 | 15.2 | 20.2 |
| **71932** 2000 $WO_{61}$ | | | 5 25.9 153.°32 | | 0.°1/25.9 18 | |
| 4 21 | 16 41.16 | −23 12.2 | 1.916 | 2.755 | 13.8 | 20.5 |
| 5 1 | 16 34.91 | −22 49.7 | 1.843 | 2.764 | 10.4 | 20.3 |
| 5 11 | 16 26.42 | −22 19.9 | 1.794 | 2.772 | 6.5 | 20.1 |
| 5 21 | 16 16.49 | −21 43.7 | 1.771 | 2.780 | 2.2 | 19.8 |
| 5 31 | 16 6.15 | −21 3.4 | 1.777 | 2.787 | 2.2 | 19.8 |
| 6 10 | 15 56.54 | −20 22.8 | 1.810 | 2.793 | 6.5 | 20.1 |
| 6 20 | 15 48.54 | −19 45.8 | 1.869 | 2.798 | 10.3 | 20.4 |
| 6 30 | 15 42.80 | −19 15.7 | 1.951 | 2.803 | 13.6 | 20.6 |
| **513064** 2017 $WG_{18}$ | | | 5 25.9 216.°53 | | 1.°9/26.6 17 | |
| 4 21 | 16 38.80 | −25 59.9 | 2.036 | 2.873 | 13.2 | 21.7 |
| 5 1 | 16 33.30 | −26 18.5 | 1.953 | 2.870 | 10.1 | 21.5 |
| 5 11 | 16 25.56 | −26 30.5 | 1.893 | 2.867 | 6.6 | 21.3 |
| 5 21 | 16 16.25 | −26 34.5 | 1.859 | 2.864 | 3.0 | 21.0 |
| 5 31 | 16 6.35 | −26 30.5 | 1.852 | 2.861 | 2.7 | 21.0 |
| 6 10 | 15 56.95 | −26 20.3 | 1.873 | 2.857 | 6.2 | 21.2 |
| 6 20 | 15 49.00 | −26 6.7 | 1.920 | 2.853 | 9.8 | 21.4 |
| 6 30 | 15 43.22 | −25 53.3 | 1.989 | 2.850 | 13.1 | 21.6 |
| **122925** 2000 $SN_{175}$ | | | 5 25.9 179.°39 | | 6.°6/28.6 18 | |
| 4 21 | 16 43.93 | −39 28.7 | 2.211 | 2.995 | 14.0 | 20.2 |
| 5 1 | 16 37.37 | −40 18.2 | 2.129 | 2.997 | 11.6 | 20.0 |
| 5 11 | 16 28.19 | −40 53.3 | 2.069 | 2.997 | 9.2 | 19.9 |
| 5 21 | 16 17.15 | −41 10.0 | 2.034 | 2.998 | 7.2 | 19.8 |
| 5 31 | 16 5.40 | −41 5.9 | 2.025 | 2.998 | 6.6 | 19.7 |
| 6 10 | 15 54.24 | −40 42.6 | 2.042 | 2.997 | 8.0 | 19.8 |
| 6 20 | 15 44.79 | −40 4.4 | 2.086 | 2.996 | 10.4 | 19.9 |
| 6 30 | 15 37.88 | −39 17.5 | 2.152 | 2.995 | 12.9 | 20.1 |
| **270301** 2001 $VX_{132}$ | | | 5 25.9 179.°43 | | 5.°3/28.6 17 | |
| 4 21 | 16 43.05 | −37 49.6 | 2.397 | 3.184 | 13.0 | 21.5 |
| 5 1 | 16 36.36 | −38 13.5 | 2.312 | 3.185 | 10.6 | 21.3 |
| 5 11 | 16 27.37 | −38 23.7 | 2.249 | 3.187 | 8.1 | 21.1 |
| 5 21 | 16 16.84 | −38 17.3 | 2.213 | 3.187 | 5.9 | 21.0 |
| 5 31 | 16 5.77 | −37 53.6 | 2.203 | 3.187 | 5.3 | 21.0 |
| 6 10 | 15 55.31 | −37 14.7 | 2.222 | 3.186 | 6.9 | 21.1 |
| 6 20 | 15 46.40 | −36 25.0 | 2.267 | 3.185 | 9.3 | 21.2 |
| 6 30 | 15 39.74 | −35 30.0 | 2.336 | 3.182 | 11.9 | 21.4 |

**418045** 2007 $VL_{96}$ 5 25.9 207.°06 0.°9/26.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 41.39 | −25 10.0 | 1.958 | 2.794 | 13.7 | 22.2 |
| 5 1 | 16 35.27 | −24 55.3 | 1.870 | 2.788 | 10.5 | 22.0 |
| 5 11 | 16 26.79 | −24 31.8 | 1.805 | 2.781 | 6.6 | 21.7 |
| 5 21 | 16 16.67 | −23 59.7 | 1.766 | 2.774 | 2.5 | 21.4 |
| 5 31 | 16 5.96 | −23 20.5 | 1.755 | 2.766 | 2.3 | 21.4 |
| 6 10 | 15 55.82 | −22 37.7 | 1.773 | 2.757 | 6.5 | 21.6 |
| 6 20 | 15 47.24 | −21 55.6 | 1.816 | 2.747 | 10.5 | 21.9 |
| 6 30 | 15 40.96 | −21 18.7 | 1.882 | 2.736 | 14.0 | 22.1 |

**375842** 2009 $UQ_{141}$ 5 25.9 291.°38 1.°0/26.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.36 | −24 34.4 | 1.629 | 2.482 | 15.2 | 21.0 |
| 5 1 | 16 32.76 | −24 27.1 | 1.541 | 2.468 | 11.6 | 20.7 |
| 5 11 | 16 25.49 | −24 11.2 | 1.475 | 2.455 | 7.4 | 20.4 |
| 5 21 | 16 16.30 | −23 46.6 | 1.433 | 2.441 | 2.8 | 20.1 |
| 5 31 | 16 6.32 | −23 14.7 | 1.417 | 2.427 | 2.6 | 20.1 |
| 6 10 | 15 56.88 | −22 39.1 | 1.427 | 2.414 | 7.3 | 20.3 |
| 6 20 | 15 49.15 | −22 4.5 | 1.461 | 2.401 | 11.8 | 20.5 |
| 6 30 | 15 43.98 | −21 35.4 | 1.516 | 2.387 | 15.8 | 20.8 |

**374977** 2007 $DR_{105}$ 5 25.9 204.°11 2.°3/26.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.01 | −27 46.2 | 1.805 | 2.644 | 14.5 | 21.1 |
| 5 1 | 16 33.69 | −27 49.7 | 1.726 | 2.643 | 11.2 | 20.9 |
| 5 11 | 16 25.88 | −27 43.1 | 1.669 | 2.642 | 7.4 | 20.7 |
| 5 21 | 16 16.38 | −27 25.7 | 1.637 | 2.641 | 3.5 | 20.4 |
| 5 31 | 16 6.28 | −26 58.0 | 1.631 | 2.639 | 3.0 | 20.4 |
| 6 10 | 15 56.84 | −26 23.4 | 1.653 | 2.638 | 6.7 | 20.6 |
| 6 20 | 15 49.07 | −25 46.2 | 1.699 | 2.636 | 10.7 | 20.8 |
| 6 30 | 15 43.73 | −25 11.2 | 1.768 | 2.634 | 14.1 | 21.0 |

**86207** 1999 $TP_{15}$ 5 25.9 230.°53 3.°2/27.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.26 | −30 56.5 | 2.542 | 3.359 | 11.5 | 19.8 |
| 5 1 | 16 31.85 | −31 22.4 | 2.453 | 3.354 | 9.0 | 19.6 |
| 5 11 | 16 24.54 | −31 40.0 | 2.388 | 3.349 | 6.3 | 19.4 |
| 5 21 | 16 15.91 | −31 47.7 | 2.350 | 3.344 | 3.8 | 19.2 |
| 5 31 | 16 6.77 | −31 45.0 | 2.339 | 3.339 | 3.4 | 19.2 |
| 6 10 | 15 58.01 | −31 33.2 | 2.357 | 3.334 | 5.6 | 19.3 |
| 6 20 | 15 50.45 | −31 14.8 | 2.401 | 3.329 | 8.4 | 19.5 |
| 6 30 | 15 44.71 | −30 53.4 | 2.470 | 3.324 | 11.0 | 19.7 |

**374474** 2005 $YG_{30}$ 5 25.9 193.°07 1.°0/25.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.45 | −19 2.6 | 2.205 | 3.047 | 12.2 | 22.3 |
| 5 1 | 16 32.72 | −18 48.0 | 2.122 | 3.045 | 9.1 | 22.1 |
| 5 11 | 16 25.04 | −18 30.2 | 2.063 | 3.042 | 5.7 | 21.8 |
| 5 21 | 16 16.07 | −18 10.5 | 2.031 | 3.040 | 2.0 | 21.6 |
| 5 31 | 16 6.63 | −17 50.5 | 2.028 | 3.036 | 2.4 | 21.6 |
| 6 10 | 15 57.67 | −17 32.5 | 2.052 | 3.032 | 6.1 | 21.8 |
| 6 20 | 15 50.00 | −17 18.7 | 2.104 | 3.028 | 9.6 | 22.1 |
| 6 30 | 15 44.22 | −17 11.3 | 2.178 | 3.022 | 12.7 | 22.2 |

**304575** 2006 $VL_{36}$ 5 25.9 88.°27 0.°5/25.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.94 | −21 31.2 | 2.284 | 3.128 | 11.7 | 21.1 |
| 5 1 | 16 29.92 | −21 2.8 | 2.215 | 3.139 | 8.7 | 20.9 |
| 5 11 | 16 23.20 | −20 29.3 | 2.170 | 3.150 | 5.4 | 20.7 |
| 5 21 | 16 15.41 | −19 52.4 | 2.151 | 3.160 | 1.8 | 20.5 |
| 5 31 | 16 7.35 | −19 14.3 | 2.162 | 3.171 | 2.0 | 20.5 |
| 6 10 | 15 59.84 | −18 38.0 | 2.200 | 3.182 | 5.6 | 20.8 |
| 6 20 | 15 53.57 | −18 6.2 | 2.264 | 3.192 | 8.8 | 21.0 |
| 6 30 | 15 49.05 | −17 41.3 | 2.352 | 3.203 | 11.6 | 21.2 |

**123003** 2000 $SC_{258}$ 5 25.9 284.°21 2.°4/26.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.65 | −27 3.5 | 1.778 | 2.620 | 14.6 | 20.3 |
| 5 1 | 16 33.73 | −27 17.4 | 1.680 | 2.600 | 11.3 | 20.0 |
| 5 11 | 16 26.14 | −27 22.7 | 1.605 | 2.579 | 7.5 | 19.7 |
| 5 21 | 16 16.56 | −27 17.9 | 1.554 | 2.558 | 3.6 | 19.4 |
| 5 31 | 16 6.07 | −27 2.6 | 1.529 | 2.537 | 3.1 | 19.4 |
| 6 10 | 15 55.97 | −26 39.1 | 1.531 | 2.516 | 7.1 | 19.6 |
| 6 20 | 15 47.46 | −26 11.3 | 1.557 | 2.495 | 11.4 | 19.7 |
| 6 30 | 15 41.47 | −25 44.2 | 1.606 | 2.474 | 15.2 | 19.9 |

**73351** 2002 $JO_{133}$ 5 25.9 66.°09 4.°6/27.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.53 | −30 1.5 | 1.397 | 2.242 | 17.7 | 19.3 |
| 5 1 | 16 36.99 | −30 44.8 | 1.334 | 2.251 | 13.8 | 19.1 |
| 5 11 | 16 28.22 | −31 16.0 | 1.292 | 2.261 | 9.6 | 18.9 |
| 5 21 | 16 17.22 | −31 31.2 | 1.272 | 2.271 | 5.6 | 18.7 |
| 5 31 | 16 5.48 | −31 29.0 | 1.278 | 2.281 | 5.0 | 18.6 |
| 6 10 | 15 54.70 | −31 12.1 | 1.308 | 2.291 | 8.4 | 18.9 |
| 6 20 | 15 46.23 | −30 46.0 | 1.361 | 2.301 | 12.6 | 19.1 |
| 6 30 | 15 40.96 | −30 17.3 | 1.435 | 2.311 | 16.3 | 19.4 |

**137589** 1999 $VR_{149}$ 5 25.9 279.°91 1.°4/26.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.61 | −24 21.5 | 1.571 | 2.423 | 15.7 | 20.4 |
| 5 1 | 16 34.70 | −24 33.0 | 1.478 | 2.404 | 12.1 | 20.1 |
| 5 11 | 16 26.87 | −24 37.5 | 1.406 | 2.385 | 7.8 | 19.8 |
| 5 21 | 16 16.83 | −24 33.8 | 1.359 | 2.366 | 3.1 | 19.4 |
| 5 31 | 16 5.78 | −24 22.0 | 1.337 | 2.347 | 2.8 | 19.4 |
| 6 10 | 15 55.16 | −24 4.4 | 1.341 | 2.328 | 7.7 | 19.6 |
| 6 20 | 15 46.31 | −23 45.1 | 1.369 | 2.308 | 12.5 | 19.8 |
| 6 30 | 15 40.23 | −23 28.7 | 1.417 | 2.289 | 16.7 | 20.0 |

**23417** 1979 $MU_6$ 5 25.9 225.°13 6.°5/22.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.75 | − 3 18.2 | 2.131 | 2.968 | 12.7 | 19.1 |
| 5 1 | 16 30.67 | − 2 36.9 | 2.056 | 2.963 | 10.2 | 18.9 |
| 5 11 | 16 23.77 | − 2 3.6 | 2.005 | 2.958 | 7.9 | 18.7 |
| 5 21 | 16 15.65 | − 1 42.0 | 1.978 | 2.952 | 6.5 | 18.6 |
| 5 31 | 16 7.11 | − 1 35.2 | 1.979 | 2.947 | 7.2 | 18.7 |
| 6 10 | 15 59.02 | − 1 44.8 | 2.005 | 2.941 | 9.3 | 18.8 |
| 6 20 | 15 52.11 | − 2 10.6 | 2.055 | 2.935 | 11.9 | 18.9 |
| 6 30 | 15 46.99 | − 2 51.2 | 2.127 | 2.928 | 14.4 | 19.1 |

**138544** 2000 $QY_9$ 5 25.9 286.°71 5.°0/28.3 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.87 | −36 5.3 | 2.147 | 2.955 | 13.6 | 19.4 |
| 5 1 | 16 32.82 | −36 19.0 | 2.049 | 2.939 | 11.1 | 19.2 |
| 5 11 | 16 25.38 | −36 18.6 | 1.973 | 2.923 | 8.2 | 19.0 |
| 5 21 | 16 16.25 | −36 1.7 | 1.922 | 2.906 | 5.8 | 18.8 |
| 5 31 | 16 6.45 | −35 27.7 | 1.897 | 2.890 | 5.1 | 18.7 |
| 6 10 | 15 57.13 | −34 39.0 | 1.900 | 2.873 | 7.0 | 18.8 |
| 6 20 | 15 49.31 | −33 40.4 | 1.927 | 2.857 | 10.0 | 19.0 |
| 6 30 | 15 43.78 | −32 37.8 | 1.978 | 2.841 | 13.0 | 19.1 |

**363433** 2003 $SR_{63}$ 5 25.9 277.°37 2.°2/24.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.59 | −18 57.7 | 1.492 | 2.355 | 15.8 | 20.8 |
| 5 1 | 16 33.01 | −18 14.2 | 1.407 | 2.341 | 11.9 | 20.5 |
| 5 11 | 16 25.69 | −17 24.0 | 1.344 | 2.327 | 7.5 | 20.2 |
| 5 21 | 16 16.40 | −16 30.2 | 1.304 | 2.312 | 3.0 | 19.9 |
| 5 31 | 16 6.31 | −15 37.0 | 1.290 | 2.298 | 3.9 | 19.9 |
| 6 10 | 15 56.81 | −14 49.9 | 1.302 | 2.283 | 8.7 | 20.2 |
| 6 20 | 15 49.08 | −14 13.5 | 1.337 | 2.268 | 13.4 | 20.4 |
| 6 30 | 15 43.99 | −13 51.4 | 1.392 | 2.254 | 17.5 | 20.6 |

**109390** 2001 $QS_{169}$ 5 25.9 147.°56 0.°7/26.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.73 | −24 41.1 | 2.220 | 3.052 | 12.4 | 20.5 |
| 5 1 | 16 33.60 | −24 27.6 | 2.147 | 3.063 | 9.4 | 20.3 |
| 5 11 | 16 25.54 | −24 7.0 | 2.097 | 3.073 | 5.9 | 20.1 |
| 5 21 | 16 16.22 | −23 39.7 | 2.074 | 3.082 | 2.2 | 19.9 |
| 5 31 | 16 6.57 | −23 7.3 | 2.080 | 3.091 | 2.0 | 19.9 |
| 6 10 | 15 57.53 | −22 32.7 | 2.115 | 3.098 | 5.7 | 20.1 |
| 6 20 | 15 49.90 | −21 59.1 | 2.177 | 3.106 | 9.1 | 20.4 |
| 6 30 | 15 44.24 | −21 29.9 | 2.262 | 3.112 | 12.1 | 20.6 |

**1435** Garlena 5 25.9 126.°54 1.°6/25.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.62 | −17 51.4 | 2.233 | 3.074 | 12.1 | 18.0 |
| 5 1 | 16 32.61 | −17 23.4 | 2.169 | 3.091 | 9.0 | 17.8 |
| 5 11 | 16 24.84 | −16 53.2 | 2.129 | 3.108 | 5.6 | 17.7 |
| 5 21 | 16 15.97 | −16 22.2 | 2.116 | 3.123 | 2.2 | 17.5 |
| 5 31 | 16 6.86 | −15 52.9 | 2.132 | 3.138 | 2.7 | 17.5 |
| 6 10 | 15 58.36 | −15 27.9 | 2.177 | 3.153 | 6.1 | 17.8 |
| 6 20 | 15 51.18 | −15 9.1 | 2.248 | 3.167 | 9.3 | 18.0 |
| 6 30 | 15 45.85 | −14 58.3 | 2.342 | 3.180 | 12.1 | 18.2 |

**160510** 1990 $RG_1$ 5 25.9 239.°73 3.°7/27.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 44.02 | −30 31.0 | 1.898 | 2.720 | 14.6 | 20.3 |
| 5 1 | 16 37.73 | −30 54.2 | 1.798 | 2.703 | 11.6 | 20.0 |
| 5 11 | 16 28.62 | −31 6.8 | 1.721 | 2.685 | 8.0 | 19.8 |
| 5 21 | 16 17.41 | −31 6.0 | 1.668 | 2.666 | 4.7 | 19.5 |
| 5 31 | 16 5.23 | −30 50.4 | 1.643 | 2.646 | 4.1 | 19.5 |
| 6 10 | 15 53.46 | −30 21.9 | 1.646 | 2.625 | 7.3 | 19.6 |
| 6 20 | 15 43.37 | −29 44.9 | 1.674 | 2.604 | 11.3 | 19.8 |
| 6 30 | 15 35.90 | −29 5.4 | 1.724 | 2.581 | 14.9 | 20.0 |

**516371** 2017 $DG_{116}$ 5 25.9 260.°58 0.°2/26.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 28.08 | −23 50.5 | 4.362 | 5.191 | 6.9 | 20.5 |
| 5 1 | 16 24.21 | −23 26.5 | 4.273 | 5.188 | 5.1 | 20.4 |
| 5 11 | 16 19.47 | −22 58.8 | 4.210 | 5.186 | 3.2 | 20.2 |
| 5 21 | 16 14.18 | −22 28.1 | 4.175 | 5.184 | 1.1 | 20.0 |
| 5 31 | 16 8.72 | −21 55.6 | 4.171 | 5.181 | 1.1 | 20.0 |
| 6 10 | 16 3.49 | −21 22.6 | 4.197 | 5.179 | 3.1 | 20.2 |
| 6 20 | 15 58.85 | −20 50.7 | 4.250 | 5.177 | 5.1 | 20.3 |
| 6 30 | 15 55.10 | −20 21.4 | 4.330 | 5.174 | 6.9 | 20.5 |

**418098** 2007 $WC_{58}$ 5 25.9 123.°55 5.°5/24.0 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.23 | − 8 17.1 | 1.688 | 2.539 | 14.9 | 21.4 |
| 5 1 | 16 33.57 | − 7 43.2 | 1.626 | 2.547 | 11.5 | 21.2 |
| 5 11 | 16 25.67 | − 7 15.4 | 1.587 | 2.556 | 8.1 | 21.0 |
| 5 21 | 16 16.30 | − 6 57.2 | 1.572 | 2.564 | 5.7 | 20.9 |
| 5 31 | 16 6.52 | − 6 51.7 | 1.584 | 2.573 | 6.3 | 20.9 |
| 6 10 | 15 57.45 | − 7 0.7 | 1.621 | 2.580 | 9.3 | 21.1 |
| 6 20 | 15 50.00 | − 7 24.0 | 1.682 | 2.588 | 12.7 | 21.3 |
| 6 30 | 15 44.81 | − 8 0.5 | 1.764 | 2.595 | 15.7 | 21.6 |

**430550** 2002 $GY_{134}$ 5 25.9 344.°72 8.°4/27.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.59 | −36 47.7 | 1.510 | 2.335 | 17.6 | 20.4 |
| 5 1 | 16 36.02 | −38 16.5 | 1.433 | 2.327 | 14.6 | 20.1 |
| 5 11 | 16 27.99 | −39 31.8 | 1.376 | 2.321 | 11.5 | 19.9 |
| 5 21 | 16 17.30 | −40 26.4 | 1.341 | 2.315 | 9.0 | 19.8 |
| 5 31 | 16 5.37 | −40 55.2 | 1.330 | 2.310 | 8.6 | 19.7 |
| 6 10 | 15 54.03 | −40 58.0 | 1.343 | 2.306 | 10.5 | 19.8 |
| 6 20 | 15 44.90 | −40 39.5 | 1.378 | 2.302 | 13.6 | 20.0 |
| 6 30 | 15 39.14 | −40 7.6 | 1.432 | 2.299 | 16.8 | 20.2 |

**479968** 2014 $JZ_{35}$ 5 25.9 58°.06 2°.2/26.6 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.24 | −26 14.5 | 2.236 | 3.068 | 12.4 | 21.3 |
| 5 1 | 16 32.69 | −26 51.7 | 2.161 | 3.075 | 9.5 | 21.1 |
| 5 11 | 16 25.10 | −27 23.3 | 2.111 | 3.082 | 6.2 | 20.9 |
| 5 21 | 16 16.14 | −27 47.5 | 2.086 | 3.089 | 3.1 | 20.8 |
| 5 31 | 16 6.69 | −28 3.7 | 2.090 | 3.097 | 2.8 | 20.7 |
| 6 10 | 15 57.72 | −28 12.7 | 2.122 | 3.104 | 5.7 | 21.0 |
| 6 20 | 15 50.08 | −28 16.5 | 2.180 | 3.112 | 8.9 | 21.2 |
| 6 30 | 15 44.43 | −28 17.9 | 2.262 | 3.119 | 11.8 | 21.4 |

**505856** 2015 $CH_{61}$ 5 25.9 58°.31 5°.5/28.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.95 | −36 39.0 | 1.707 | 2.525 | 16.2 | 20.3 |
| 5 1 | 16 34.57 | −36 42.6 | 1.640 | 2.536 | 13.0 | 20.2 |
| 5 11 | 16 26.46 | −36 27.8 | 1.594 | 2.546 | 9.6 | 20.0 |
| 5 21 | 16 16.60 | −35 52.7 | 1.571 | 2.557 | 6.5 | 19.8 |
| 5 31 | 16 6.30 | −34 58.0 | 1.573 | 2.568 | 5.6 | 19.8 |
| 6 10 | 15 56.94 | −33 48.6 | 1.601 | 2.579 | 7.7 | 19.9 |
| 6 20 | 15 49.62 | −32 31.6 | 1.654 | 2.590 | 11.0 | 20.1 |
| 6 30 | 15 45.02 | −31 14.7 | 1.730 | 2.602 | 14.2 | 20.4 |

**77637** 2001 $KH_{56}$ 5 25.9 312°.32 13°.2/23.9 18 R

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.75 | + 9 17.1 | 1.435 | 2.250 | 18.9 | 17.8 |
| 5 1 | 16 36.24 | + 9 39.0 | 1.355 | 2.229 | 16.6 | 17.6 |
| 5 11 | 16 27.80 | + 9 34.8 | 1.293 | 2.208 | 14.5 | 17.4 |
| 5 21 | 16 17.17 | + 8 56.9 | 1.251 | 2.188 | 13.3 | 17.3 |
| 5 31 | 16 5.56 | + 7 40.6 | 1.232 | 2.169 | 13.6 | 17.2 |
| 6 10 | 15 54.42 | + 5 46.8 | 1.235 | 2.149 | 15.6 | 17.3 |
| 6 20 | 15 45.05 | + 3 21.7 | 1.260 | 2.131 | 18.4 | 17.4 |
| 6 30 | 15 38.44 | + 0 34.2 | 1.305 | 2.113 | 21.4 | 17.5 |

**233437** 2006 $HF_{69}$ 5 25.9 297°.86 1°.6/25.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.28 | −18 39.0 | 1.846 | 2.702 | 13.5 | 20.2 |
| 5 1 | 16 30.76 | −18 10.6 | 1.762 | 2.693 | 10.2 | 19.9 |
| 5 11 | 16 24.04 | −17 38.2 | 1.701 | 2.683 | 6.4 | 19.7 |
| 5 21 | 16 15.82 | −17 3.9 | 1.665 | 2.674 | 2.4 | 19.4 |
| 5 31 | 16 7.03 | −16 30.5 | 1.657 | 2.664 | 3.1 | 19.4 |
| 6 10 | 15 58.75 | −16 1.3 | 1.674 | 2.655 | 7.1 | 19.7 |
| 6 20 | 15 51.88 | −15 39.4 | 1.717 | 2.646 | 11.1 | 19.9 |
| 6 30 | 15 47.14 | −15 27.1 | 1.781 | 2.637 | 14.5 | 20.1 |

**133682** 2003 $UR_{199}$ 5 25.9 323°.86 4°.5/23.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.10 | −12 54.1 | 1.727 | 2.589 | 14.0 | 19.3 |
| 5 1 | 16 29.87 | −11 52.1 | 1.652 | 2.583 | 10.7 | 19.0 |
| 5 11 | 16 23.48 | −10 49.5 | 1.599 | 2.577 | 7.2 | 18.8 |
| 5 21 | 16 15.62 | − 9 50.8 | 1.572 | 2.571 | 4.6 | 18.6 |
| 5 31 | 16 7.27 | − 9 1.0 | 1.570 | 2.565 | 5.6 | 18.7 |
| 6 10 | 15 59.48 | − 8 24.2 | 1.594 | 2.560 | 8.9 | 18.9 |
| 6 20 | 15 53.14 | − 8 3.2 | 1.642 | 2.555 | 12.5 | 19.1 |
| 6 30 | 15 48.92 | − 7 58.5 | 1.710 | 2.550 | 15.8 | 19.3 |

**430356** 2013 $YB_{149}$ 5 25.9 171°.19 2°.8/27.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.38 | −29 55.0 | 2.044 | 2.873 | 13.5 | 21.0 |
| 5 1 | 16 32.99 | −29 58.8 | 1.964 | 2.874 | 10.5 | 20.8 |
| 5 11 | 16 25.36 | −29 52.1 | 1.907 | 2.875 | 7.1 | 20.6 |
| 5 21 | 16 16.24 | −29 33.6 | 1.875 | 2.875 | 3.8 | 20.4 |
| 5 31 | 16 6.63 | −29 4.1 | 1.871 | 2.876 | 3.2 | 20.4 |
| 6 10 | 15 57.61 | −28 26.5 | 1.893 | 2.876 | 6.2 | 20.6 |
| 6 20 | 15 50.12 | −27 44.9 | 1.942 | 2.877 | 9.7 | 20.8 |
| 6 30 | 15 44.82 | −27 4.1 | 2.014 | 2.877 | 12.8 | 21.0 |

**507453** 2012 $TW_{86}$ 5 25.9 154°.83 0°.3/26.0 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.69 | −22 53.0 | 2.056 | 2.900 | 12.8 | 22.1 |
| 5 1 | 16 31.57 | −22 41.9 | 1.978 | 2.902 | 9.7 | 21.9 |
| 5 11 | 16 24.42 | −22 24.9 | 1.924 | 2.903 | 6.0 | 21.7 |
| 5 21 | 16 15.92 | −22 2.7 | 1.896 | 2.904 | 2.1 | 21.4 |
| 5 31 | 16 6.98 | −21 36.8 | 1.895 | 2.905 | 2.1 | 21.4 |
| 6 10 | 15 58.58 | −21 10.0 | 1.922 | 2.907 | 6.0 | 21.7 |
| 6 20 | 15 51.57 | −20 45.3 | 1.975 | 2.908 | 9.7 | 21.9 |
| 6 30 | 15 46.57 | −20 25.7 | 2.050 | 2.908 | 12.8 | 22.1 |

**476387** 2008 $CS_{90}$ 5 25.9 152°.71 5°.2/23.0 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.66 | − 6 18.2 | 2.371 | 3.212 | 11.4 | 21.8 |
| 5 1 | 16 28.91 | − 5 30.8 | 2.301 | 3.214 | 9.0 | 21.7 |
| 5 11 | 16 22.60 | − 4 48.5 | 2.256 | 3.216 | 6.6 | 21.5 |
| 5 21 | 16 15.28 | − 4 14.5 | 2.237 | 3.218 | 5.3 | 21.4 |
| 5 31 | 16 7.66 | − 3 51.9 | 2.245 | 3.220 | 5.9 | 21.5 |
| 6 10 | 16 0.48 | − 3 42.5 | 2.280 | 3.222 | 8.0 | 21.6 |
| 6 20 | 15 54.37 | − 3 46.9 | 2.339 | 3.224 | 10.5 | 21.8 |
| 6 30 | 15 49.82 | − 4 4.4 | 2.421 | 3.226 | 12.8 | 21.9 |

**251821** 1999 $TY_{161}$ 5 25.9 201°.36 0°.8/26.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.71 | −23 13.4 | 1.961 | 2.798 | 13.6 | 21.4 |
| 5 1 | 16 35.56 | −23 23.6 | 1.875 | 2.794 | 10.4 | 21.2 |
| 5 11 | 16 27.03 | −23 28.4 | 1.813 | 2.790 | 6.5 | 20.9 |
| 5 21 | 16 16.84 | −23 27.1 | 1.777 | 2.785 | 2.4 | 20.6 |
| 5 31 | 16 6.00 | −23 20.2 | 1.769 | 2.779 | 2.3 | 20.6 |
| 6 10 | 15 55.68 | −23 9.6 | 1.789 | 2.773 | 6.5 | 20.9 |
| 6 20 | 15 46.88 | −22 58.1 | 1.835 | 2.766 | 10.4 | 21.1 |
| 6 30 | 15 40.37 | −22 49.0 | 1.904 | 2.759 | 13.8 | 21.3 |

**11524** Pleyel 5 25.9 98°.65 6°.2/28.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 43.97 | −36 38.4 | 1.616 | 2.432 | 17.0 | 17.8 |
| 5 1 | 16 37.80 | −37 5.8 | 1.552 | 2.445 | 13.8 | 17.6 |
| 5 11 | 16 28.59 | −37 15.2 | 1.508 | 2.458 | 10.2 | 17.4 |
| 5 21 | 16 17.35 | −37 3.0 | 1.488 | 2.471 | 7.2 | 17.3 |
| 5 31 | 16 5.56 | −36 28.6 | 1.492 | 2.484 | 6.3 | 17.2 |
| 6 10 | 15 54.81 | −35 36.2 | 1.522 | 2.496 | 8.5 | 17.4 |
| 6 20 | 15 46.32 | −34 32.9 | 1.577 | 2.508 | 11.7 | 17.6 |
| 6 30 | 15 40.87 | −33 26.8 | 1.653 | 2.520 | 14.9 | 17.8 |

**295307** 2008 $GR_{120}$ 5 25.9 6°.05 9°.2/20.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 31.76 | + 2 50.1 | 2.068 | 2.899 | 13.3 | 19.9 |
| 5 1 | 16 27.69 | + 4 14.9 | 2.010 | 2.899 | 11.3 | 19.7 |
| 5 11 | 16 21.93 | + 5 27.9 | 1.975 | 2.900 | 9.7 | 19.6 |
| 5 21 | 16 15.08 | + 6 23.5 | 1.964 | 2.901 | 9.2 | 19.6 |
| 5 31 | 16 7.89 | + 6 57.2 | 1.977 | 2.903 | 9.9 | 19.6 |
| 6 10 | 16 1.20 | + 7 7.1 | 2.013 | 2.904 | 11.5 | 19.7 |
| 6 20 | 15 55.68 | + 6 53.7 | 2.071 | 2.906 | 13.5 | 19.9 |
| 6 30 | 15 51.85 | + 6 19.4 | 2.148 | 2.909 | 15.5 | 20.0 |

**370993** 2005 $TO_{40}$ 5 25.9 174°.25 2°.3/24.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.12 | −15 40.4 | 2.313 | 3.153 | 11.7 | 22.8 |
| 5 1 | 16 32.31 | −15 8.8 | 2.235 | 3.157 | 8.8 | 22.6 |
| 5 11 | 16 24.74 | −14 36.1 | 2.182 | 3.159 | 5.6 | 22.4 |
| 5 21 | 16 16.01 | −14 4.1 | 2.157 | 3.161 | 2.7 | 22.3 |
| 5 31 | 16 6.93 | −13 35.3 | 2.160 | 3.163 | 3.3 | 22.3 |
| 6 10 | 15 58.34 | −13 12.3 | 2.192 | 3.163 | 6.4 | 22.5 |
| 6 20 | 15 50.96 | −12 56.8 | 2.250 | 3.163 | 9.6 | 22.7 |
| 6 30 | 15 45.36 | −12 50.4 | 2.331 | 3.163 | 12.4 | 22.9 |

**51108** 2000 $HP_{22}$ 5 25.9 223°.16 0°.7/26.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.64 | −23 28.0 | 2.076 | 2.919 | 12.8 | 20.1 |
| 5 1 | 16 31.57 | −23 27.7 | 1.996 | 2.919 | 9.6 | 19.9 |
| 5 11 | 16 24.46 | −23 21.7 | 1.940 | 2.918 | 6.1 | 19.6 |
| 5 21 | 16 15.95 | −23 10.0 | 1.909 | 2.918 | 2.2 | 19.4 |
| 5 31 | 16 6.97 | −22 53.8 | 1.907 | 2.917 | 2.1 | 19.4 |
| 6 10 | 15 58.50 | −22 35.3 | 1.931 | 2.916 | 5.9 | 19.6 |
| 6 20 | 15 51.40 | −22 17.3 | 1.982 | 2.916 | 9.6 | 19.8 |
| 6 30 | 15 46.30 | −22 2.8 | 2.055 | 2.915 | 12.7 | 20.0 |

**357811** 2005 $TP_{164}$ 5 25.9 139°.82 0°.7/25.6 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.63 | −21 34.1 | 1.609 | 2.457 | 15.6 | 22.2 |
| 5 1 | 16 36.33 | −21 2.2 | 1.543 | 2.469 | 11.7 | 22.0 |
| 5 11 | 16 27.47 | −20 23.4 | 1.499 | 2.480 | 7.2 | 21.8 |
| 5 21 | 16 16.95 | −19 39.1 | 1.481 | 2.490 | 2.4 | 21.5 |
| 5 31 | 16 6.01 | −18 52.9 | 1.490 | 2.500 | 2.8 | 21.5 |
| 6 10 | 15 55.95 | −18 9.2 | 1.526 | 2.508 | 7.5 | 21.9 |
| 6 20 | 15 47.79 | −17 32.4 | 1.586 | 2.516 | 11.8 | 22.1 |
| 6 30 | 15 42.24 | −17 5.8 | 1.668 | 2.524 | 15.4 | 22.4 |

**21835** 1999 $TN_{96}$ 5 25.9 318°.32 2°.4/24.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.13 | −15 5.1 | 2.011 | 2.866 | 12.6 | 18.2 |
| 5 1 | 16 29.75 | −14 52.7 | 1.925 | 2.854 | 9.6 | 17.9 |
| 5 11 | 16 23.38 | −14 40.6 | 1.862 | 2.842 | 6.1 | 17.7 |
| 5 21 | 16 15.62 | −14 30.5 | 1.824 | 2.830 | 2.9 | 17.5 |
| 5 31 | 16 7.31 | −14 24.2 | 1.814 | 2.819 | 3.4 | 17.5 |
| 6 10 | 15 59.41 | −14 23.8 | 1.830 | 2.808 | 6.9 | 17.7 |
| 6 20 | 15 52.74 | −14 30.7 | 1.872 | 2.797 | 10.5 | 17.9 |
| 6 30 | 15 47.98 | −14 45.7 | 1.935 | 2.787 | 13.7 | 18.0 |

**397756** 2008 $FK_{117}$ 5 25.9 320°.49 0°.7/26.2 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.53 | −23 51.1 | 2.242 | 3.084 | 12.0 | 21.6 |
| 5 1 | 16 29.89 | −23 46.0 | 2.157 | 3.079 | 9.0 | 21.4 |
| 5 11 | 16 23.37 | −23 35.0 | 2.097 | 3.075 | 5.7 | 21.2 |
| 5 21 | 16 15.60 | −23 18.5 | 2.062 | 3.070 | 2.1 | 21.0 |
| 5 31 | 16 7.37 | −22 57.7 | 2.056 | 3.066 | 1.9 | 20.9 |
| 6 10 | 15 59.58 | −22 34.8 | 2.077 | 3.062 | 5.6 | 21.2 |
| 6 20 | 15 53.02 | −22 12.5 | 2.124 | 3.058 | 9.0 | 21.4 |
| 6 30 | 15 48.28 | −21 53.7 | 2.194 | 3.054 | 12.0 | 21.6 |

**163072** 2002 $AD_{12}$ 5 25.9 85°.02 4°.7/27.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.67 | −32 28.7 | 1.421 | 2.260 | 17.7 | 20.0 |
| 5 1 | 16 36.36 | −32 40.8 | 1.352 | 2.265 | 14.0 | 19.7 |
| 5 11 | 16 27.85 | −32 36.3 | 1.304 | 2.270 | 9.8 | 19.5 |
| 5 21 | 16 17.16 | −32 12.7 | 1.278 | 2.275 | 5.9 | 19.3 |
| 5 31 | 16 5.78 | −31 30.4 | 1.277 | 2.280 | 5.0 | 19.2 |
| 6 10 | 15 55.40 | −30 34.1 | 1.301 | 2.285 | 8.3 | 19.4 |
| 6 20 | 15 47.31 | −29 31.4 | 1.348 | 2.289 | 12.5 | 19.7 |
| 6 30 | 15 42.37 | −28 30.1 | 1.416 | 2.294 | 16.3 | 19.9 |

**242229** 2003 $SW_{87}$ 5 25.9 216°.95 3°.9/27.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.14 | −31 36.2 | 1.754 | 2.581 | 15.4 | 20.8 |
| 5 1 | 16 36.33 | −31 48.1 | 1.669 | 2.576 | 12.2 | 20.6 |
| 5 11 | 16 27.72 | −31 46.8 | 1.605 | 2.570 | 8.5 | 20.4 |
| 5 21 | 16 17.12 | −31 29.9 | 1.566 | 2.563 | 5.0 | 20.1 |
| 5 31 | 16 5.78 | −30 57.2 | 1.554 | 2.557 | 4.3 | 20.1 |
| 6 10 | 15 55.11 | −30 12.1 | 1.567 | 2.549 | 7.4 | 20.2 |
| 6 20 | 15 46.30 | −29 20.0 | 1.606 | 2.541 | 11.3 | 20.5 |
| 6 30 | 15 40.20 | −28 27.7 | 1.667 | 2.533 | 14.9 | 20.7 |

**248468** 2005 $UT_{75}$ 5 25.9 167°.19 1°.5/26.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.87 | −28 51.9 | 2.832 | 3.651 | 10.4 | 20.3 |
| 5 1 | 16 30.43 | −28 21.7 | 2.747 | 3.654 | 8.0 | 20.2 |
| 5 11 | 16 23.48 | −27 42.5 | 2.688 | 3.657 | 5.2 | 20.0 |
| 5 21 | 16 15.59 | −26 54.9 | 2.656 | 3.660 | 2.4 | 19.8 |
| 5 31 | 16 7.44 | −26 0.8 | 2.653 | 3.662 | 1.9 | 19.8 |
| 6 10 | 15 59.76 | −25 3.1 | 2.681 | 3.664 | 4.6 | 20.0 |
| 6 20 | 15 53.18 | −24 5.3 | 2.736 | 3.665 | 7.4 | 20.1 |
| 6 30 | 15 48.16 | −23 10.9 | 2.816 | 3.667 | 10.0 | 20.3 |

**119454** 2001 $TS_{189}$ 5 25.9 90°.98 3°.2/27.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.59 | −29 16.0 | 1.737 | 2.573 | 15.2 | 19.6 |
| 5 1 | 16 34.91 | −29 33.0 | 1.670 | 2.583 | 11.7 | 19.4 |
| 5 11 | 16 26.67 | −29 39.1 | 1.624 | 2.594 | 7.9 | 19.2 |
| 5 21 | 16 16.72 | −29 32.7 | 1.604 | 2.604 | 4.2 | 19.0 |
| 5 31 | 16 6.26 | −29 13.9 | 1.609 | 2.615 | 3.6 | 19.0 |
| 6 10 | 15 56.59 | −28 45.7 | 1.641 | 2.625 | 6.9 | 19.2 |
| 6 20 | 15 48.75 | −28 12.8 | 1.698 | 2.635 | 10.7 | 19.4 |
| 6 30 | 15 43.48 | −27 40.2 | 1.778 | 2.645 | 14.0 | 19.7 |

**177376** 2004 $BW_{54}$ 5 25.9 352°.93 0°.9/26.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.78 | −22 33.5 | 1.224 | 2.099 | 17.7 | 19.5 |
| 5 1 | 16 32.19 | −22 46.8 | 1.155 | 2.094 | 13.5 | 19.2 |
| 5 11 | 16 25.44 | −22 54.1 | 1.106 | 2.090 | 8.5 | 18.9 |
| 5 21 | 16 16.42 | −22 54.7 | 1.078 | 2.087 | 3.1 | 18.6 |
| 5 31 | 16 6.53 | −22 49.4 | 1.074 | 2.085 | 2.9 | 18.6 |
| 6 10 | 15 57.41 | −22 41.0 | 1.093 | 2.083 | 8.4 | 18.9 |
| 6 20 | 15 50.43 | −22 33.5 | 1.134 | 2.083 | 13.5 | 19.1 |
| 6 30 | 15 46.55 | −22 30.7 | 1.193 | 2.084 | 17.9 | 19.4 |

**496753** 2016 $SG_{21}$ 5 25.9 240°.76 4°.5/23.3 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.17 | − 8 7.8 | 2.522 | 3.364 | 10.8 | 21.7 |
| 5 1 | 16 28.54 | − 7 24.2 | 2.441 | 3.357 | 8.4 | 21.5 |
| 5 11 | 16 22.40 | − 6 44.0 | 2.384 | 3.349 | 6.0 | 21.4 |
| 5 21 | 16 15.26 | − 6 10.0 | 2.355 | 3.342 | 4.5 | 21.3 |
| 5 31 | 16 7.77 | − 5 45.1 | 2.353 | 3.335 | 5.2 | 21.3 |
| 6 10 | 16 0.63 | − 5 31.4 | 2.378 | 3.327 | 7.3 | 21.4 |
| 6 20 | 15 54.47 | − 5 29.8 | 2.429 | 3.319 | 9.9 | 21.6 |
| 6 30 | 15 49.80 | − 5 40.4 | 2.502 | 3.311 | 12.3 | 21.7 |

**408110** 2013 $BX_{62}$ 5 25.9 62°.33 4°.1/24.8 14 C

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.84 | −13 40.4 | 1.218 | 2.090 | 18.0 | 20.8 |
| 5 1 | 16 34.82 | −13 14.5 | 1.163 | 2.100 | 13.6 | 20.5 |
| 5 11 | 16 26.80 | −12 50.8 | 1.127 | 2.109 | 8.8 | 20.3 |
| 5 21 | 16 16.79 | −12 32.6 | 1.114 | 2.119 | 4.6 | 20.1 |
| 5 31 | 16 6.23 | −12 23.4 | 1.125 | 2.129 | 5.4 | 20.1 |
| 6 10 | 15 56.66 | −12 26.0 | 1.160 | 2.139 | 9.8 | 20.4 |
| 6 20 | 15 49.28 | −12 41.4 | 1.217 | 2.149 | 14.4 | 20.7 |
| 6 30 | 15 44.86 | −13 9.4 | 1.293 | 2.159 | 18.3 | 21.0 |

**282512** 2004 $QU_{27}$ 5 25.9 274°.58 2°.1/26.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.08 | −27 48.2 | 2.440 | 3.269 | 11.6 | 21.2 |
| 5 1 | 16 31.09 | −27 56.1 | 2.341 | 3.252 | 8.9 | 21.0 |
| 5 11 | 16 24.18 | −27 56.6 | 2.265 | 3.235 | 5.9 | 20.8 |
| 5 21 | 16 15.91 | −27 48.8 | 2.215 | 3.218 | 2.9 | 20.6 |
| 5 31 | 16 7.08 | −27 33.0 | 2.193 | 3.200 | 2.5 | 20.5 |
| 6 10 | 15 58.57 | −27 10.9 | 2.200 | 3.183 | 5.5 | 20.7 |
| 6 20 | 15 51.21 | −26 45.4 | 2.233 | 3.165 | 8.7 | 20.8 |
| 6 30 | 15 45.66 | −26 19.8 | 2.290 | 3.148 | 11.7 | 21.0 |

**49550** 1999 $CO_{84}$ 5 25.9 69°.35 3°.2/27.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.13 | −28 26.5 | 1.556 | 2.398 | 16.3 | 18.0 |
| 5 1 | 16 36.18 | −28 52.4 | 1.501 | 2.419 | 12.6 | 17.8 |
| 5 11 | 16 27.48 | −29 7.4 | 1.468 | 2.439 | 8.4 | 17.6 |
| 5 21 | 16 16.99 | −29 9.4 | 1.458 | 2.460 | 4.4 | 17.5 |
| 5 31 | 16 6.07 | −28 58.6 | 1.474 | 2.480 | 3.8 | 17.5 |
| 6 10 | 15 56.13 | −28 38.0 | 1.517 | 2.501 | 7.3 | 17.7 |
| 6 20 | 15 48.26 | −28 12.4 | 1.583 | 2.521 | 11.2 | 18.0 |
| 6 30 | 15 43.18 | −27 47.1 | 1.671 | 2.542 | 14.6 | 18.3 |

**394692** 2008 $CK_{183}$ 5 25.9 126°.03 4°.3/23.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.80 | − 9 37.5 | 2.341 | 3.187 | 11.4 | 21.4 |
| 5 1 | 16 29.05 | − 8 50.0 | 2.272 | 3.191 | 8.8 | 21.2 |
| 5 11 | 16 22.71 | − 8 5.3 | 2.227 | 3.196 | 6.1 | 21.0 |
| 5 21 | 16 15.36 | − 7 26.6 | 2.208 | 3.200 | 4.4 | 20.9 |
| 5 31 | 16 7.72 | − 6 56.8 | 2.218 | 3.204 | 5.0 | 21.0 |
| 6 10 | 16 0.54 | − 6 38.2 | 2.254 | 3.208 | 7.4 | 21.1 |
| 6 20 | 15 54.46 | − 6 31.8 | 2.316 | 3.212 | 10.1 | 21.3 |
| 6 30 | 15 49.97 | − 6 37.7 | 2.400 | 3.216 | 12.5 | 21.5 |

**494375** 2016 $UU_{30}$ 5 25.9 251°.41 3°.2/23.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.24 | −12 59.9 | 2.536 | 3.381 | 10.6 | 21.5 |
| 5 1 | 16 28.63 | −12 10.2 | 2.448 | 3.371 | 8.1 | 21.4 |
| 5 11 | 16 22.48 | −11 20.2 | 2.386 | 3.360 | 5.4 | 21.2 |
| 5 21 | 16 15.30 | −10 32.4 | 2.351 | 3.349 | 3.4 | 21.0 |
| 5 31 | 16 7.76 | − 9 50.1 | 2.344 | 3.339 | 4.0 | 21.0 |
| 6 10 | 16 0.58 | − 9 16.1 | 2.365 | 3.328 | 6.6 | 21.2 |
| 6 20 | 15 54.38 | − 8 52.2 | 2.413 | 3.316 | 9.4 | 21.3 |
| 6 30 | 15 49.68 | − 8 39.5 | 2.483 | 3.305 | 12.0 | 21.5 |

**489117** 2006 $CC_2$ 5 25.9 207°.20 1°.3/26.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 39.81 | −26 1.4 | 2.523 | 3.346 | 11.4 | 23.1 |
| 5 1 | 16 33.70 | −26 2.3 | 2.429 | 3.339 | 8.7 | 22.9 |
| 5 11 | 16 25.70 | −25 56.5 | 2.360 | 3.331 | 5.6 | 22.7 |
| 5 21 | 16 16.40 | −25 43.4 | 2.317 | 3.323 | 2.4 | 22.5 |
| 5 31 | 16 6.61 | −25 23.7 | 2.305 | 3.313 | 2.1 | 22.5 |
| 6 10 | 15 57.22 | −24 59.3 | 2.321 | 3.303 | 5.3 | 22.7 |
| 6 20 | 15 49.02 | −24 33.0 | 2.365 | 3.292 | 8.5 | 22.8 |
| 6 30 | 15 42.62 | −24 8.1 | 2.433 | 3.281 | 11.4 | 23.0 |

**259438** 2003 $SJ_{30}$ 5 25.9 220°.80 1°.4/26.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.61 | −25 43.3 | 1.944 | 2.778 | 13.8 | 22.1 |
| 5 1 | 16 35.60 | −25 39.4 | 1.852 | 2.768 | 10.6 | 21.8 |
| 5 11 | 16 27.14 | −25 27.1 | 1.783 | 2.758 | 6.8 | 21.6 |
| 5 21 | 16 16.94 | −25 5.7 | 1.740 | 2.747 | 2.8 | 21.3 |
| 5 31 | 16 6.06 | −24 36.2 | 1.725 | 2.735 | 2.4 | 21.2 |
| 6 10 | 15 55.69 | −24 1.5 | 1.738 | 2.722 | 6.6 | 21.5 |
| 6 20 | 15 46.86 | −23 25.7 | 1.777 | 2.709 | 10.6 | 21.7 |
| 6 30 | 15 40.38 | −22 53.3 | 1.838 | 2.694 | 14.1 | 21.9 |

**504962** 2011 $FJ_{111}$ 5 25.9 234°.41 8°.1/28.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 44.99 | −42 21.1 | 2.066 | 2.842 | 15.2 | 21.8 |
| 5 1 | 16 38.69 | −43 20.7 | 1.976 | 2.832 | 12.9 | 21.6 |
| 5 11 | 16 29.36 | −44 4.3 | 1.907 | 2.823 | 10.6 | 21.4 |
| 5 21 | 16 17.76 | −44 26.3 | 1.862 | 2.813 | 8.7 | 21.3 |
| 5 31 | 16 5.17 | −44 23.2 | 1.842 | 2.802 | 8.2 | 21.2 |
| 6 10 | 15 53.12 | −43 56.0 | 1.847 | 2.791 | 9.4 | 21.3 |
| 6 20 | 15 42.96 | −43 9.2 | 1.876 | 2.780 | 11.7 | 21.4 |
| 6 30 | 15 35.69 | −42 10.5 | 1.928 | 2.769 | 14.2 | 21.5 |

**272492** 2005 $UX_{142}$ 5 25.9 152°.85 1°.1/26.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.58 | −24 0.5 | 2.051 | 2.886 | 13.2 | 21.3 |
| 5 1 | 16 34.54 | −24 14.5 | 1.975 | 2.893 | 10.0 | 21.1 |
| 5 11 | 16 26.32 | −24 22.8 | 1.923 | 2.899 | 6.3 | 20.9 |
| 5 21 | 16 16.63 | −24 24.8 | 1.897 | 2.904 | 2.5 | 20.7 |
| 5 31 | 16 6.44 | −24 20.7 | 1.899 | 2.909 | 2.2 | 20.7 |
| 6 10 | 15 56.83 | −24 12.4 | 1.929 | 2.913 | 6.0 | 20.9 |
| 6 20 | 15 48.69 | −24 2.6 | 1.986 | 2.917 | 9.7 | 21.1 |
| 6 30 | 15 42.72 | −23 54.2 | 2.066 | 2.921 | 12.8 | 21.4 |

**492192** 2013 $RT_{29}$ 5 25.9 302°.57 0°.6/26.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.72 | −22 26.4 | 1.442 | 2.304 | 16.3 | 20.9 |
| 5 1 | 16 33.58 | −22 33.6 | 1.347 | 2.279 | 12.5 | 20.6 |
| 5 11 | 16 26.39 | −22 35.2 | 1.272 | 2.255 | 8.0 | 20.2 |
| 5 21 | 16 16.83 | −22 30.5 | 1.221 | 2.230 | 2.8 | 19.9 |
| 5 31 | 16 6.10 | −22 20.1 | 1.195 | 2.206 | 2.8 | 19.8 |
| 6 10 | 15 55.75 | −22 6.6 | 1.193 | 2.181 | 8.2 | 20.1 |
| 6 20 | 15 47.17 | −21 53.8 | 1.214 | 2.158 | 13.4 | 20.3 |
| 6 30 | 15 41.50 | −21 45.9 | 1.255 | 2.134 | 18.0 | 20.5 |

**99746** 2002 $JJ_{73}$ 5 25.9 275°.92 4°.3/24.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.50 | − 8 56.8 | 1.888 | 2.735 | 13.7 | 19.5 |
| 5 1 | 16 33.11 | − 8 55.7 | 1.806 | 2.726 | 10.6 | 19.2 |
| 5 11 | 16 25.53 | − 9 1.1 | 1.746 | 2.718 | 7.3 | 19.0 |
| 5 21 | 16 16.40 | − 9 14.8 | 1.712 | 2.709 | 4.6 | 18.8 |
| 5 31 | 16 6.66 | − 9 38.4 | 1.705 | 2.700 | 5.1 | 18.8 |
| 6 10 | 15 57.35 | −10 12.5 | 1.725 | 2.692 | 8.2 | 19.0 |
| 6 20 | 15 49.41 | −10 56.6 | 1.769 | 2.683 | 11.7 | 19.2 |
| 6 30 | 15 43.56 | −11 49.7 | 1.836 | 2.675 | 14.9 | 19.4 |

**393137** 2013 $BU_{49}$ 5 25.9 295°.50 5°.1/23.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.56 | − 7 21.8 | 2.042 | 2.889 | 12.8 | 20.3 |
| 5 1 | 16 30.82 | − 7 0.9 | 1.951 | 2.869 | 10.1 | 20.1 |
| 5 11 | 16 24.09 | − 6 45.8 | 1.882 | 2.849 | 7.2 | 19.9 |
| 5 21 | 16 15.93 | − 6 39.6 | 1.838 | 2.829 | 5.2 | 19.7 |
| 5 31 | 16 7.14 | − 6 44.7 | 1.822 | 2.809 | 5.8 | 19.7 |
| 6 10 | 15 58.68 | − 7 2.9 | 1.831 | 2.789 | 8.5 | 19.8 |
| 6 20 | 15 51.39 | − 7 34.1 | 1.866 | 2.770 | 11.7 | 20.0 |
| 6 30 | 15 45.97 | − 8 17.7 | 1.922 | 2.750 | 14.7 | 20.1 |

**474792** 2005 $QV_{186}$ 5 25.9 267°.36 5°.8/22.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.79 | − 4 32.3 | 2.508 | 3.343 | 11.1 | 21.9 |
| 5 1 | 16 29.11 | − 3 36.0 | 2.415 | 3.321 | 8.9 | 21.7 |
| 5 11 | 16 22.84 | − 2 44.2 | 2.346 | 3.300 | 6.9 | 21.6 |
| 5 21 | 16 15.47 | − 2 0.8 | 2.304 | 3.278 | 5.8 | 21.5 |
| 5 31 | 16 7.64 | − 1 29.3 | 2.290 | 3.255 | 6.5 | 21.5 |
| 6 10 | 16 0.09 | − 1 12.2 | 2.302 | 3.232 | 8.5 | 21.5 |
| 6 20 | 15 53.49 | − 1 10.6 | 2.338 | 3.209 | 11.0 | 21.7 |
| 6 30 | 15 48.37 | − 1 24.1 | 2.397 | 3.186 | 13.3 | 21.8 |

**475730** 2006 $WV_{46}$ 5 25.9 40°.47 1°.5/26.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.60 | −27 15.6 | 2.239 | 3.074 | 12.2 | 21.0 |
| 5 1 | 16 30.68 | −27 0.0 | 2.158 | 3.074 | 9.4 | 20.8 |
| 5 11 | 16 23.86 | −26 35.6 | 2.101 | 3.075 | 6.0 | 20.6 |
| 5 21 | 16 15.80 | −26 2.6 | 2.070 | 3.075 | 2.6 | 20.4 |
| 5 31 | 16 7.35 | −25 22.7 | 2.066 | 3.075 | 2.2 | 20.4 |
| 6 10 | 15 59.42 | −24 38.8 | 2.091 | 3.076 | 5.5 | 20.6 |
| 6 20 | 15 52.80 | −23 54.7 | 2.141 | 3.076 | 8.9 | 20.8 |
| 6 30 | 15 48.07 | −23 14.2 | 2.216 | 3.077 | 11.9 | 21.0 |

**519103** 2010 $LD_{125}$ 5 25.9 248°.59 2°.6/24.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 33.97 | −13 28.5 | 2.614 | 3.457 | 10.4 | 21.7 |
| 5 1 | 16 29.19 | −13 1.7 | 2.523 | 3.445 | 7.9 | 21.6 |
| 5 11 | 16 22.85 | −12 35.3 | 2.457 | 3.433 | 5.2 | 21.4 |
| 5 21 | 16 15.47 | −12 11.1 | 2.418 | 3.420 | 2.9 | 21.2 |
| 5 31 | 16 7.69 | −11 51.3 | 2.408 | 3.407 | 3.4 | 21.2 |
| 6 10 | 16 0.22 | −11 37.7 | 2.426 | 3.394 | 6.1 | 21.4 |
| 6 20 | 15 53.71 | −11 31.9 | 2.470 | 3.380 | 9.0 | 21.5 |
| 6 30 | 15 48.68 | −11 34.6 | 2.538 | 3.367 | 11.5 | 21.7 |

**375758** 2009 $SP_{96}$ 5 25.9 204°.24 1°.0/25.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.27 | −19 44.5 | 2.207 | 3.048 | 12.2 | 21.9 |
| 5 1 | 16 32.66 | −19 20.5 | 2.121 | 3.044 | 9.2 | 21.7 |
| 5 11 | 16 25.10 | −18 52.3 | 2.059 | 3.038 | 5.7 | 21.4 |
| 5 21 | 16 16.24 | −18 21.3 | 2.024 | 3.033 | 2.0 | 21.2 |
| 5 31 | 16 6.91 | −17 49.6 | 2.018 | 3.026 | 2.4 | 21.2 |
| 6 10 | 15 58.05 | −17 20.0 | 2.040 | 3.019 | 6.1 | 21.4 |
| 6 20 | 15 50.46 | −16 55.2 | 2.088 | 3.012 | 9.7 | 21.6 |
| 6 30 | 15 44.77 | −16 37.7 | 2.160 | 3.004 | 12.8 | 21.8 |

**275244** 2009 $XZ_4$ 5 25.9 87°.92 2°.4/25.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.02 | −14 23.0 | 1.775 | 2.627 | 14.2 | 21.1 |
| 5 1 | 16 33.57 | −14 28.0 | 1.703 | 2.630 | 10.7 | 20.9 |
| 5 11 | 16 25.81 | −14 35.1 | 1.654 | 2.633 | 6.8 | 20.7 |
| 5 21 | 16 16.50 | −14 45.3 | 1.630 | 2.636 | 3.1 | 20.5 |
| 5 31 | 16 6.65 | −14 59.7 | 1.633 | 2.639 | 3.5 | 20.5 |
| 6 10 | 15 57.38 | −15 19.1 | 1.663 | 2.641 | 7.4 | 20.7 |
| 6 20 | 15 49.65 | −15 44.3 | 1.717 | 2.644 | 11.2 | 21.0 |
| 6 30 | 15 44.17 | −16 15.7 | 1.794 | 2.647 | 14.6 | 21.2 |

**39579** 1993 $FD_{16}$ 5 25.9 314°.78 1°.3/26.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.68 | −22 45.2 | 1.608 | 2.464 | 15.2 | 18.4 |
| 5 1 | 16 33.20 | −23 14.0 | 1.519 | 2.447 | 11.6 | 18.2 |
| 5 11 | 16 25.97 | −23 39.3 | 1.451 | 2.431 | 7.4 | 17.9 |
| 5 21 | 16 16.66 | −23 59.5 | 1.407 | 2.415 | 2.9 | 17.6 |
| 5 31 | 16 6.40 | −24 14.0 | 1.389 | 2.399 | 2.7 | 17.5 |
| 6 10 | 15 56.55 | −24 23.6 | 1.397 | 2.384 | 7.4 | 17.7 |
| 6 20 | 15 48.34 | −24 30.7 | 1.428 | 2.369 | 12.0 | 18.0 |
| 6 30 | 15 42.75 | −24 38.6 | 1.481 | 2.355 | 16.0 | 18.2 |

**17659** 1996 $VX_5$ 5 25.9 194°.04 0°.5/25.7 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.08 | −21 24.6 | 2.279 | 3.117 | 11.9 | 19.9 |
| 5 1 | 16 32.45 | −20 59.1 | 2.195 | 3.115 | 9.0 | 19.7 |
| 5 11 | 16 24.94 | −20 28.3 | 2.134 | 3.113 | 5.6 | 19.5 |
| 5 21 | 16 16.18 | −19 53.4 | 2.101 | 3.110 | 1.9 | 19.2 |
| 5 31 | 16 7.00 | −19 16.5 | 2.096 | 3.106 | 2.1 | 19.2 |
| 6 10 | 15 58.31 | −18 40.4 | 2.120 | 3.102 | 5.8 | 19.5 |
| 6 20 | 15 50.88 | −18 8.3 | 2.171 | 3.097 | 9.3 | 19.7 |
| 6 30 | 15 45.30 | −17 42.8 | 2.246 | 3.091 | 12.3 | 19.8 |

**418416** 2008 $LV_{16}$ 5 25.9 319°.99 1°.0/25.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 46.43 | −22 50.3 | 1.124 | 1.988 | 19.8 | 23.0 |
| 5 1 | 16 42.79 | −22 18.4 | 0.974 | 1.908 | 16.0 | 22.5 |
| 5 11 | 16 34.27 | −21 27.8 | 0.843 | 1.826 | 10.7 | 21.9 |
| 5 21 | 16 20.39 | −20 12.6 | 0.732 | 1.741 | 3.9 | 21.2 |
| 5 31 | 16 1.51 | −18 27.8 | 0.644 | 1.654 | 4.9 | 20.9 |
| 6 10 | 15 39.32 | −16 14.4 | 0.579 | 1.564 | 14.8 | 20.9 |
| 6 20 | 15 16.55 | −13 42.3 | 0.534 | 1.472 | 25.5 | 20.9 |
| 6 30 | 14 56.25 | −11 9.3 | 0.506 | 1.378 | 36.5 | 21.0 |

**215975** 2005 $QK_{111}$ 5 25.9 281°.37 4°.9/23.1 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.28 | − 8 54.0 | 2.222 | 3.070 | 11.8 | 20.7 |
| 5 1 | 16 28.85 | − 7 59.4 | 2.142 | 3.062 | 9.2 | 20.5 |
| 5 11 | 16 22.71 | − 7 7.5 | 2.087 | 3.055 | 6.6 | 20.3 |
| 5 21 | 16 15.43 | − 6 22.0 | 2.058 | 3.047 | 4.9 | 20.2 |
| 5 31 | 16 7.76 | − 5 46.5 | 2.056 | 3.039 | 5.7 | 20.2 |
| 6 10 | 16 0.50 | − 5 23.8 | 2.080 | 3.031 | 8.1 | 20.4 |
| 6 20 | 15 54.35 | − 5 15.2 | 2.129 | 3.024 | 10.9 | 20.5 |
| 6 30 | 15 49.86 | − 5 20.8 | 2.200 | 3.016 | 13.5 | 20.7 |

**242538** 2005 $BW_{48}$ 5 25.9 35°.78 4°.3/23.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.20 | −12 33.4 | 1.875 | 2.733 | 13.3 | 20.2 |
| 5 1 | 16 29.72 | −11 29.4 | 1.809 | 2.737 | 10.1 | 20.0 |
| 5 11 | 16 23.30 | −10 25.8 | 1.765 | 2.741 | 6.8 | 19.8 |
| 5 21 | 16 15.63 | − 9 26.8 | 1.748 | 2.745 | 4.5 | 19.7 |
| 5 31 | 16 7.60 | − 8 36.8 | 1.757 | 2.750 | 5.3 | 19.8 |
| 6 10 | 16 0.17 | − 7 59.7 | 1.792 | 2.754 | 8.3 | 19.9 |
| 6 20 | 15 54.11 | − 7 37.3 | 1.851 | 2.759 | 11.6 | 20.1 |
| 6 30 | 15 49.99 | − 7 30.4 | 1.932 | 2.764 | 14.5 | 20.4 |

**501756** 2014 $UU_{154}$ 5 25.9 311°.09 1°.0/25.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.67 | −18 10.6 | 1.224 | 2.098 | 17.8 | 21.3 |
| 5 1 | 16 34.57 | −18 26.4 | 1.144 | 2.082 | 13.6 | 21.0 |
| 5 11 | 16 27.14 | −18 42.2 | 1.083 | 2.067 | 8.6 | 20.6 |
| 5 21 | 16 17.14 | −18 58.0 | 1.043 | 2.053 | 3.0 | 20.3 |
| 5 31 | 16 5.94 | −19 14.2 | 1.028 | 2.038 | 3.3 | 20.2 |
| 6 10 | 15 55.28 | −19 32.3 | 1.036 | 2.025 | 9.2 | 20.5 |
| 6 20 | 15 46.70 | −19 54.0 | 1.066 | 2.011 | 14.6 | 20.8 |
| 6 30 | 15 41.34 | −20 21.7 | 1.114 | 1.999 | 19.3 | 21.0 |

**334886** 2003 $UR_{323}$ 5 25.9 353°.82 1°.9/25.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 35.53 | −17 55.6 | 1.773 | 2.631 | 13.9 | 20.3 |
| 5 1 | 16 30.97 | −17 25.2 | 1.699 | 2.630 | 10.4 | 20.1 |
| 5 11 | 16 24.21 | −16 51.7 | 1.647 | 2.629 | 6.5 | 19.9 |
| 5 21 | 16 15.98 | −16 17.3 | 1.621 | 2.628 | 2.7 | 19.6 |
| 5 31 | 16 7.26 | −15 45.0 | 1.621 | 2.628 | 3.3 | 19.7 |
| 6 10 | 15 59.13 | −15 18.2 | 1.647 | 2.627 | 7.3 | 19.9 |
| 6 20 | 15 52.49 | −14 59.7 | 1.698 | 2.627 | 11.2 | 20.1 |
| 6 30 | 15 48.02 | −14 51.5 | 1.771 | 2.627 | 14.6 | 20.4 |

**511133** 2013 $XQ_{17}$ 5 25.9 217°.63 3°.4/24.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.60 | −12 37.4 | 1.985 | 2.835 | 13.0 | 21.0 |
| 5 1 | 16 31.53 | −12 15.0 | 1.908 | 2.833 | 9.9 | 20.8 |
| 5 11 | 16 24.47 | −11 54.5 | 1.855 | 2.831 | 6.5 | 20.6 |
| 5 21 | 16 16.05 | −11 38.1 | 1.827 | 2.829 | 3.7 | 20.4 |
| 5 31 | 16 7.17 | −11 28.2 | 1.827 | 2.826 | 4.3 | 20.4 |
| 6 10 | 15 58.79 | −11 26.8 | 1.854 | 2.824 | 7.5 | 20.6 |
| 6 20 | 15 51.72 | −11 35.1 | 1.905 | 2.821 | 10.9 | 20.8 |
| 6 30 | 15 46.61 | −11 53.3 | 1.979 | 2.819 | 13.9 | 21.0 |

**181626** 2006 $XY_5$ 5 25.9 222°.96 3°.1/27.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.07 | −31 31.5 | 2.713 | 3.523 | 11.0 | 20.9 |
| 5 1 | 16 32.44 | −31 49.1 | 2.618 | 3.515 | 8.7 | 20.7 |
| 5 11 | 16 24.97 | −31 58.2 | 2.547 | 3.505 | 6.1 | 20.5 |
| 5 21 | 16 16.23 | −31 57.2 | 2.502 | 3.496 | 3.7 | 20.4 |
| 5 31 | 16 6.99 | −31 45.9 | 2.486 | 3.486 | 3.3 | 20.3 |
| 6 10 | 15 58.11 | −31 25.8 | 2.499 | 3.475 | 5.4 | 20.4 |
| 6 20 | 15 50.34 | −30 59.4 | 2.538 | 3.465 | 8.1 | 20.6 |
| 6 30 | 15 44.32 | −30 30.5 | 2.603 | 3.454 | 10.6 | 20.7 |

**92319** 2000 $GT_{26}$ 5 25.9 289°.57 4°.5/24.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.18 | −14 41.4 | 1.323 | 2.195 | 16.9 | 20.1 |
| 5 1 | 16 33.06 | −13 44.9 | 1.240 | 2.177 | 12.9 | 19.8 |
| 5 11 | 16 25.97 | −12 45.1 | 1.178 | 2.160 | 8.5 | 19.5 |
| 5 21 | 16 16.70 | −11 46.9 | 1.139 | 2.143 | 4.8 | 19.3 |
| 5 31 | 16 6.49 | −10 56.1 | 1.125 | 2.126 | 6.0 | 19.3 |
| 6 10 | 15 56.85 | −10 18.9 | 1.134 | 2.108 | 10.5 | 19.5 |
| 6 20 | 15 49.09 | − 9 59.1 | 1.164 | 2.091 | 15.3 | 19.7 |
| 6 30 | 15 44.17 | − 9 58.6 | 1.213 | 2.075 | 19.6 | 19.9 |

**251534** 2008 $KK_4$ 5 25.9 106°.93 2°.7/23.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 26.80 | − 7 36.4 | 4.492 | 5.325 | 6.6 | 20.8 |
| 5 1 | 16 23.25 | − 7 9.2 | 4.416 | 5.327 | 5.1 | 20.7 |
| 5 11 | 16 18.94 | − 6 44.5 | 4.367 | 5.328 | 3.7 | 20.6 |
| 5 21 | 16 14.15 | − 6 23.7 | 4.345 | 5.330 | 2.8 | 20.5 |
| 5 31 | 16 9.20 | − 6 8.2 | 4.352 | 5.331 | 3.1 | 20.5 |
| 6 10 | 16 4.45 | − 5 58.6 | 4.388 | 5.333 | 4.4 | 20.6 |
| 6 20 | 16 0.21 | − 5 55.7 | 4.451 | 5.334 | 5.9 | 20.7 |
| 6 30 | 15 56.74 | − 5 59.5 | 4.537 | 5.335 | 7.3 | 20.9 |

**14391** 1990 $RE_2$ 5 25.9 230°.27 1°.5/25.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.93 | −18 39.9 | 2.009 | 2.854 | 13.0 | 19.1 |
| 5 1 | 16 33.41 | −18 12.1 | 1.918 | 2.843 | 9.8 | 18.8 |
| 5 11 | 16 25.73 | −17 40.3 | 1.851 | 2.831 | 6.2 | 18.6 |
| 5 21 | 16 16.53 | −17 6.2 | 1.810 | 2.818 | 2.4 | 18.3 |
| 5 31 | 16 6.73 | −16 32.3 | 1.798 | 2.805 | 2.9 | 18.3 |
| 6 10 | 15 57.39 | −16 1.7 | 1.813 | 2.791 | 6.9 | 18.5 |
| 6 20 | 15 49.41 | −15 37.6 | 1.853 | 2.777 | 10.7 | 18.7 |
| 6 30 | 15 43.50 | −15 22.4 | 1.917 | 2.762 | 14.1 | 18.9 |

**402473** 2006 $BK_{209}$ 5 25.9 124°.06 0°.9/26.3 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.41 | −24 21.4 | 1.503 | 2.353 | 16.4 | 22.4 |
| 5 1 | 16 36.50 | −24 13.3 | 1.437 | 2.363 | 12.4 | 22.2 |
| 5 11 | 16 27.79 | −23 56.4 | 1.393 | 2.372 | 7.8 | 22.0 |
| 5 21 | 16 17.21 | −23 30.6 | 1.374 | 2.382 | 2.9 | 21.7 |
| 5 31 | 16 6.11 | −22 58.1 | 1.380 | 2.391 | 2.6 | 21.7 |
| 6 10 | 15 55.91 | −22 22.8 | 1.413 | 2.399 | 7.5 | 22.0 |
| 6 20 | 15 47.76 | −21 49.6 | 1.469 | 2.407 | 11.9 | 22.3 |
| 6 30 | 15 42.40 | −21 23.0 | 1.547 | 2.415 | 15.8 | 22.5 |

**123079** 2000 $SG_{315}$ 5 25.9 217°.95 6°.5/29.1 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.93 | −39 31.3 | 1.969 | 2.764 | 15.1 | 19.4 |
| 5 1 | 16 36.13 | −39 53.2 | 1.885 | 2.761 | 12.5 | 19.2 |
| 5 11 | 16 27.61 | −39 57.8 | 1.822 | 2.757 | 9.7 | 19.0 |
| 5 21 | 16 17.18 | −39 41.4 | 1.782 | 2.754 | 7.3 | 18.9 |
| 5 31 | 16 6.10 | −39 3.1 | 1.768 | 2.750 | 6.6 | 18.8 |
| 6 10 | 15 55.75 | −38 5.8 | 1.780 | 2.746 | 8.1 | 18.9 |
| 6 20 | 15 47.26 | −36 55.4 | 1.817 | 2.741 | 10.9 | 19.1 |
| 6 30 | 15 41.44 | −35 39.7 | 1.877 | 2.737 | 13.7 | 19.2 |

**507005** 2008 $TR_{93}$ 5 25.9 219°.36 3°.3/24.2 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.57 | −13 10.1 | 2.266 | 3.110 | 11.8 | 22.2 |
| 5 1 | 16 31.32 | −12 29.8 | 2.180 | 3.102 | 9.0 | 22.0 |
| 5 11 | 16 24.27 | −11 49.4 | 2.119 | 3.094 | 5.9 | 21.8 |
| 5 21 | 16 16.01 | −11 11.6 | 2.085 | 3.085 | 3.5 | 21.6 |
| 5 31 | 16 7.31 | −10 39.4 | 2.079 | 3.076 | 4.2 | 21.6 |
| 6 10 | 15 59.02 | −10 15.5 | 2.100 | 3.066 | 7.1 | 21.8 |
| 6 20 | 15 51.88 | −10 1.8 | 2.148 | 3.055 | 10.2 | 21.9 |
| 6 30 | 15 46.48 | − 9 59.3 | 2.218 | 3.045 | 13.1 | 22.1 |

**451** Patientia 5 25.9 175°.62 3°.0/24.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.57 | −11 10.3 | 2.447 | 3.286 | 11.2 | 11.8 |
| 5 1 | 16 31.16 | −11 7.0 | 2.369 | 3.287 | 8.5 | 11.7 |
| 5 11 | 16 24.10 | −11 7.0 | 2.315 | 3.288 | 5.6 | 11.5 |
| 5 21 | 16 15.95 | −11 11.5 | 2.289 | 3.289 | 3.3 | 11.3 |
| 5 31 | 16 7.42 | −11 21.8 | 2.291 | 3.289 | 3.7 | 11.4 |
| 6 10 | 15 59.28 | −11 38.8 | 2.321 | 3.289 | 6.4 | 11.5 |
| 6 20 | 15 52.22 | −12 2.6 | 2.378 | 3.289 | 9.2 | 11.7 |
| 6 30 | 15 46.78 | −12 33.3 | 2.459 | 3.289 | 11.8 | 11.9 |

**394321** 2006 $WX_{102}$ 5 25.9 84°.68 0°.1/25.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.97 | −21 33.1 | 2.293 | 3.135 | 11.8 | 21.4 |
| 5 1 | 16 30.81 | −21 27.3 | 2.225 | 3.147 | 8.8 | 21.2 |
| 5 11 | 16 23.90 | −21 17.5 | 2.180 | 3.159 | 5.4 | 21.0 |
| 5 21 | 16 15.87 | −21 4.2 | 2.163 | 3.171 | 1.8 | 20.8 |
| 5 31 | 16 7.53 | −20 48.8 | 2.173 | 3.184 | 1.9 | 20.8 |
| 6 10 | 15 59.72 | −20 33.3 | 2.212 | 3.196 | 5.4 | 21.1 |
| 6 20 | 15 53.15 | −20 19.8 | 2.277 | 3.207 | 8.7 | 21.3 |
| 6 30 | 15 48.35 | −20 10.5 | 2.366 | 3.219 | 11.5 | 21.5 |

**466080** 2012 $AP_{21}$ 5 25.9 141°.83 2°.9/24.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.53 | −13 33.6 | 1.896 | 2.738 | 13.8 | 21.8 |
| 5 1 | 16 35.92 | −13 19.8 | 1.830 | 2.751 | 10.5 | 21.6 |
| 5 11 | 16 27.15 | −13 7.5 | 1.788 | 2.764 | 6.7 | 21.4 |
| 5 21 | 16 16.98 | −12 58.5 | 1.772 | 2.776 | 3.4 | 21.2 |
| 5 31 | 16 6.42 | −12 54.7 | 1.785 | 2.787 | 3.9 | 21.2 |
| 6 10 | 15 56.54 | −12 57.6 | 1.825 | 2.797 | 7.4 | 21.5 |
| 6 20 | 15 48.23 | −13 8.4 | 1.891 | 2.806 | 11.0 | 21.7 |
| 6 30 | 15 42.13 | −13 27.6 | 1.979 | 2.815 | 14.1 | 21.9 |

**514384** 2016 $RK_{43}$ 5 25.9 211°.53 8°.3/31.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 46.01 | −53 13.0 | 3.107 | 3.793 | 12.3 | 22.4 |
| 5 1 | 16 38.83 | −53 55.2 | 3.015 | 3.786 | 11.0 | 22.3 |
| 5 11 | 16 29.14 | −54 20.4 | 2.943 | 3.779 | 9.8 | 22.2 |
| 5 21 | 16 17.70 | −54 24.6 | 2.893 | 3.771 | 8.8 | 22.1 |
| 5 31 | 16 5.62 | −54 5.5 | 2.868 | 3.762 | 8.3 | 22.0 |
| 6 10 | 15 54.14 | −53 24.2 | 2.868 | 3.754 | 8.7 | 22.1 |
| 6 20 | 15 44.33 | −52 24.2 | 2.892 | 3.744 | 9.7 | 22.1 |
| 6 30 | 15 36.96 | −51 11.2 | 2.940 | 3.735 | 11.0 | 22.2 |

**378356** 2007 $KL_{2}$ 5 25.9 13°.66 1°.4/26.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.89 | −28 49.2 | 1.263 | 2.129 | 17.9 | 19.7 |
| 5 1 | 16 30.52 | −27 50.6 | 1.201 | 2.134 | 13.6 | 19.4 |
| 5 11 | 16 24.23 | −26 33.5 | 1.159 | 2.140 | 8.7 | 19.2 |
| 5 21 | 16 16.06 | −25 0.5 | 1.139 | 2.147 | 3.5 | 18.9 |
| 5 31 | 16 7.43 | −23 18.2 | 1.144 | 2.155 | 2.8 | 18.9 |
| 6 10 | 15 59.82 | −21 35.7 | 1.173 | 2.164 | 7.9 | 19.2 |
| 6 20 | 15 54.35 | −20 2.0 | 1.225 | 2.175 | 12.7 | 19.5 |
| 6 30 | 15 51.71 | −18 44.0 | 1.298 | 2.186 | 16.9 | 19.8 |

**121503** 1999 $TZ_{289}$ 5 25.9 121°.63 5°.8/28.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.61 | −36 17.3 | 2.045 | 2.848 | 14.4 | 19.8 |
| 5 1 | 16 36.47 | −37 4.2 | 1.971 | 2.856 | 11.7 | 19.7 |
| 5 11 | 16 27.76 | −37 37.7 | 1.919 | 2.863 | 8.8 | 19.5 |
| 5 21 | 16 17.26 | −37 54.3 | 1.892 | 2.870 | 6.4 | 19.4 |
| 5 31 | 16 6.13 | −37 52.2 | 1.892 | 2.877 | 5.9 | 19.3 |
| 6 10 | 15 55.65 | −37 33.1 | 1.918 | 2.884 | 7.6 | 19.5 |
| 6 20 | 15 46.90 | −37 1.5 | 1.969 | 2.890 | 10.3 | 19.6 |
| 6 30 | 15 40.68 | −36 23.0 | 2.043 | 2.896 | 13.0 | 19.8 |

**239318** 2007 $RV_{34}$ 5 25.9 264°.16 3°.2/24.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.60 | −14 9.6 | 1.996 | 2.848 | 12.8 | 20.7 |
| 5 1 | 16 30.85 | −13 32.8 | 1.913 | 2.840 | 9.7 | 20.5 |
| 5 11 | 16 24.11 | −12 55.4 | 1.853 | 2.831 | 6.3 | 20.3 |
| 5 21 | 16 16.01 | −12 20.4 | 1.820 | 2.822 | 3.5 | 20.1 |
| 5 31 | 16 7.40 | −11 50.8 | 1.813 | 2.814 | 4.2 | 20.1 |
| 6 10 | 15 59.25 | −11 29.5 | 1.833 | 2.805 | 7.5 | 20.3 |
| 6 20 | 15 52.38 | −11 18.7 | 1.879 | 2.796 | 11.0 | 20.5 |
| 6 30 | 15 47.45 | −11 19.4 | 1.946 | 2.787 | 14.1 | 20.7 |

**10523** D′Haveloose 5 25.9 136°.46 1°.8/26.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.45 | −25 11.2 | 1.525 | 2.373 | 16.3 | 16.9 |
| 5 1 | 16 36.68 | −25 27.2 | 1.455 | 2.378 | 12.5 | 16.6 |
| 5 11 | 16 28.03 | −25 35.1 | 1.406 | 2.383 | 8.0 | 16.4 |
| 5 21 | 16 17.37 | −25 33.6 | 1.382 | 2.388 | 3.4 | 16.1 |
| 5 31 | 16 6.04 | −25 22.8 | 1.383 | 2.393 | 2.9 | 16.1 |
| 6 10 | 15 55.50 | −25 5.6 | 1.410 | 2.397 | 7.5 | 16.4 |
| 6 20 | 15 46.97 | −24 46.1 | 1.462 | 2.401 | 11.9 | 16.6 |
| 6 30 | 15 41.29 | −24 29.0 | 1.535 | 2.404 | 15.7 | 16.9 |

**32264** Cathjesslai 5 25.9 183°.66 1°.3/25.4 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.52 | −18 26.9 | 2.094 | 2.938 | 12.6 | 19.7 |
| 5 1 | 16 32.94 | −18 10.9 | 2.015 | 2.938 | 9.5 | 19.5 |
| 5 11 | 16 25.35 | −17 52.3 | 1.959 | 2.938 | 5.9 | 19.3 |
| 5 21 | 16 16.42 | −17 32.3 | 1.930 | 2.938 | 2.2 | 19.0 |
| 5 31 | 16 7.03 | −17 12.7 | 1.929 | 2.937 | 2.6 | 19.0 |
| 6 10 | 15 58.15 | −16 55.9 | 1.956 | 2.936 | 6.4 | 19.3 |
| 6 20 | 15 50.61 | −16 44.1 | 2.009 | 2.934 | 9.9 | 19.5 |
| 6 30 | 15 45.04 | −16 39.4 | 2.085 | 2.931 | 13.1 | 19.7 |

**10646** Machielalberts 5 25.9 347°.16 3°.6/26.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 36.39 | −27 53.3 | 1.100 | 1.973 | 19.4 | 16.6 |
| 5 1 | 16 33.21 | −28 16.3 | 1.031 | 1.966 | 15.1 | 16.3 |
| 5 11 | 16 26.42 | −28 26.5 | 0.981 | 1.960 | 10.2 | 16.0 |
| 5 21 | 16 16.96 | −28 21.3 | 0.951 | 1.955 | 5.1 | 15.7 |
| 5 31 | 16 6.44 | −28 0.4 | 0.943 | 1.951 | 4.4 | 15.6 |
| 6 10 | 15 56.81 | −27 27.8 | 0.957 | 1.948 | 9.2 | 15.9 |
| 6 20 | 15 49.64 | −26 50.3 | 0.992 | 1.946 | 14.4 | 16.1 |
| 6 30 | 15 46.03 | −26 15.2 | 1.045 | 1.945 | 19.1 | 16.4 |

**504652** 2008 $YY_{150}$ 5 25.9 91°.53 4°.9/24.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.53 | − 7 35.4 | 2.044 | 2.889 | 12.9 | 21.5 |
| 5 1 | 16 31.31 | − 7 9.9 | 1.981 | 2.898 | 10.0 | 21.3 |
| 5 11 | 16 24.26 | − 6 50.4 | 1.941 | 2.907 | 7.1 | 21.2 |
| 5 21 | 16 16.03 | − 6 39.5 | 1.926 | 2.917 | 5.1 | 21.1 |
| 5 31 | 16 7.47 | − 6 39.6 | 1.939 | 2.926 | 5.6 | 21.1 |
| 6 10 | 15 59.46 | − 6 51.8 | 1.979 | 2.935 | 8.1 | 21.3 |
| 6 20 | 15 52.75 | − 7 16.0 | 2.043 | 2.944 | 11.0 | 21.5 |
| 6 30 | 15 47.89 | − 7 51.4 | 2.129 | 2.953 | 13.6 | 21.7 |

**147272** 2002 $YV_{25}$ 5 25.9 260°.50 2°.6/27.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 40.02 | −28 35.7 | 1.813 | 2.649 | 14.6 | 19.7 |
| 5 1 | 16 34.75 | −28 36.2 | 1.718 | 2.633 | 11.4 | 19.5 |
| 5 11 | 16 26.84 | −28 25.7 | 1.645 | 2.617 | 7.6 | 19.2 |
| 5 21 | 16 17.02 | −28 2.8 | 1.597 | 2.600 | 3.8 | 18.9 |
| 5 31 | 16 6.38 | −27 27.9 | 1.575 | 2.583 | 3.2 | 18.9 |
| 6 10 | 15 56.23 | −26 44.4 | 1.580 | 2.565 | 7.0 | 19.1 |
| 6 20 | 15 47.72 | −25 57.0 | 1.610 | 2.547 | 11.1 | 19.3 |
| 6 30 | 15 41.72 | −25 11.6 | 1.663 | 2.529 | 14.9 | 19.4 |

**495029** 2010 $VA$ 5 25.9 77°.09 15°.9/26.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 58.92 | −42 42.0 | 1.084 | 1.892 | 24.1 | 20.4 |
| 5 1 | 16 52.60 | −46 3.1 | 1.030 | 1.899 | 21.0 | 20.2 |
| 5 11 | 16 40.08 | −49 5.8 | 0.994 | 1.906 | 18.1 | 20.0 |
| 5 21 | 16 22.04 | −51 30.2 | 0.977 | 1.913 | 16.2 | 19.9 |
| 5 31 | 16 0.97 | −52 59.7 | 0.982 | 1.920 | 16.1 | 19.9 |
| 6 10 | 15 40.78 | −53 30.7 | 1.006 | 1.927 | 17.7 | 20.1 |
| 6 20 | 15 24.99 | −53 13.9 | 1.049 | 1.934 | 20.2 | 20.2 |
| 6 30 | 15 15.64 | −52 27.4 | 1.107 | 1.941 | 22.9 | 20.4 |

**246971** 1999 $TB_{149}$ 5 25.9 253°.63 4°.4/28.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.44 | −35 27.1 | 2.628 | 3.426 | 11.7 | 20.4 |
| 5 1 | 16 32.94 | −35 53.8 | 2.529 | 3.413 | 9.5 | 20.2 |
| 5 11 | 16 25.42 | −36 9.9 | 2.453 | 3.399 | 7.1 | 20.0 |
| 5 21 | 16 16.48 | −36 13.2 | 2.403 | 3.384 | 5.0 | 19.9 |
| 5 31 | 16 6.95 | −36 2.7 | 2.381 | 3.370 | 4.5 | 19.8 |
| 6 10 | 15 57.76 | −35 39.8 | 2.386 | 3.355 | 6.1 | 19.9 |
| 6 20 | 15 49.77 | −35 7.4 | 2.418 | 3.340 | 8.6 | 20.0 |
| 6 30 | 15 43.66 | −34 29.8 | 2.474 | 3.325 | 11.1 | 20.2 |

**475279** 2005 $WF_{148}$ 5 25.9 189°.51 2°.5/24.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.77 | −13 11.0 | 2.859 | 3.698 | 9.7 | 21.8 |
| 5 1 | 16 28.88 | −12 43.6 | 2.778 | 3.697 | 7.4 | 21.6 |
| 5 11 | 16 22.62 | −12 16.8 | 2.722 | 3.696 | 4.8 | 21.4 |
| 5 21 | 16 15.48 | −11 52.3 | 2.694 | 3.694 | 2.7 | 21.3 |
| 5 31 | 16 8.04 | −11 32.2 | 2.694 | 3.692 | 3.2 | 21.3 |
| 6 10 | 16 0.94 | −11 18.1 | 2.724 | 3.690 | 5.6 | 21.5 |
| 6 20 | 15 54.74 | −11 11.1 | 2.780 | 3.688 | 8.2 | 21.6 |
| 6 30 | 15 49.89 | −11 12.1 | 2.860 | 3.685 | 10.5 | 21.8 |

**178592** 2000 $AU_{42}$ 5 25.9 117°.20 13°.2/ 2.0 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 52.27 | −50 13.4 | 1.245 | 2.019 | 23.3 | 19.6 |
| 5 1 | 16 45.89 | −50 53.0 | 1.181 | 2.026 | 20.4 | 19.4 |
| 5 11 | 16 34.49 | −50 57.7 | 1.133 | 2.033 | 17.4 | 19.2 |
| 5 21 | 16 19.63 | −50 17.7 | 1.102 | 2.040 | 14.6 | 19.1 |
| 5 31 | 16 3.96 | −48 48.7 | 1.092 | 2.046 | 13.2 | 19.0 |
| 6 10 | 15 50.31 | −46 37.8 | 1.104 | 2.052 | 13.9 | 19.1 |
| 6 20 | 15 40.58 | −44 0.4 | 1.137 | 2.058 | 16.2 | 19.2 |
| 6 30 | 15 35.62 | −41 14.8 | 1.190 | 2.063 | 19.2 | 19.4 |

**66799** 1999 $TT_{267}$ 5 25.9 342°.79 2°.1/27.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.50 | −29 54.8 | 1.736 | 2.576 | 15.0 | 19.1 |
| 5 1 | 16 32.66 | −29 14.5 | 1.657 | 2.574 | 11.6 | 18.9 |
| 5 11 | 16 25.37 | −28 18.9 | 1.599 | 2.572 | 7.6 | 18.6 |
| 5 21 | 16 16.46 | −27 8.8 | 1.566 | 2.570 | 3.5 | 18.4 |
| 5 31 | 16 7.07 | −25 47.5 | 1.559 | 2.569 | 2.7 | 18.3 |
| 6 10 | 15 58.44 | −24 21.1 | 1.580 | 2.567 | 6.7 | 18.5 |
| 6 20 | 15 51.55 | −22 56.6 | 1.626 | 2.566 | 10.8 | 18.8 |
| 6 30 | 15 47.09 | −21 40.2 | 1.695 | 2.565 | 14.5 | 19.0 |

**265799** 2005 $WY_{196}$ 5 25.9 219°.82 1°.1/26.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.49 | −25 29.5 | 2.818 | 3.645 | 10.2 | 21.4 |
| 5 1 | 16 30.34 | −25 27.8 | 2.725 | 3.638 | 7.8 | 21.2 |
| 5 11 | 16 23.62 | −25 20.4 | 2.658 | 3.631 | 5.0 | 21.0 |
| 5 21 | 16 15.84 | −25 7.2 | 2.617 | 3.623 | 2.1 | 20.8 |
| 5 31 | 16 7.66 | −24 49.0 | 2.606 | 3.616 | 1.8 | 20.8 |
| 6 10 | 15 59.83 | −24 27.5 | 2.624 | 3.607 | 4.7 | 21.0 |
| 6 20 | 15 52.99 | −24 5.0 | 2.669 | 3.599 | 7.6 | 21.2 |
| 6 30 | 15 47.66 | −23 43.9 | 2.739 | 3.590 | 10.2 | 21.3 |

**225322** 1998 $BQ_{19}$ 5 25.9 175.°95 7.°7/23.1 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.36 | − 0 9.6 | 2.005 | 2.833 | 13.7 | 20.5 |
| 5 1 | 16 32.75 | + 0 28.3 | 1.938 | 2.834 | 11.3 | 20.3 |
| 5 11 | 16 25.20 | + 0 54.9 | 1.893 | 2.836 | 9.0 | 20.2 |
| 5 21 | 16 16.38 | + 1 6.2 | 1.873 | 2.836 | 7.7 | 20.1 |
| 5 31 | 16 7.14 | + 0 59.1 | 1.879 | 2.837 | 8.3 | 20.1 |
| 6 10 | 15 58.44 | + 0 32.9 | 1.911 | 2.837 | 10.2 | 20.2 |
| 6 20 | 15 51.06 | − 0 11.1 | 1.966 | 2.837 | 12.7 | 20.4 |
| 6 30 | 15 45.60 | − 1 10.6 | 2.043 | 2.836 | 15.2 | 20.6 |

**278572** 2008 $HB_{21}$ 5 25.9 292.°16 2.°1/23.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 27.21 | −11 59.7 | 4.312 | 5.150 | 6.7 | 20.7 |
| 5 1 | 16 23.63 | −11 24.1 | 4.228 | 5.146 | 5.1 | 20.6 |
| 5 11 | 16 19.24 | −10 49.2 | 4.171 | 5.142 | 3.4 | 20.5 |
| 5 21 | 16 14.32 | −10 16.4 | 4.142 | 5.138 | 2.2 | 20.4 |
| 5 31 | 16 9.24 | − 9 47.2 | 4.142 | 5.134 | 2.6 | 20.4 |
| 6 10 | 16 4.36 | − 9 22.8 | 4.172 | 5.130 | 4.1 | 20.5 |
| 6 20 | 16 0.01 | − 9 4.4 | 4.229 | 5.127 | 5.9 | 20.6 |
| 6 30 | 15 56.48 | − 8 52.4 | 4.311 | 5.123 | 7.5 | 20.8 |

**231909** 2000 $YY_{72}$ 5 25.9 171.°73 1.°5/24.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.47 | −14 41.2 | 4.097 | 4.930 | 7.2 | 21.6 |
| 5 1 | 16 26.06 | −14 26.3 | 4.015 | 4.933 | 5.4 | 21.4 |
| 5 11 | 16 20.74 | −14 11.5 | 3.960 | 4.935 | 3.4 | 21.3 |
| 5 21 | 16 14.83 | −13 57.7 | 3.934 | 4.938 | 1.7 | 21.2 |
| 5 31 | 16 8.73 | −13 46.0 | 3.937 | 4.939 | 2.0 | 21.2 |
| 6 10 | 16 2.86 | −13 37.4 | 3.971 | 4.941 | 3.9 | 21.3 |
| 6 20 | 15 57.60 | −13 32.7 | 4.032 | 4.942 | 5.8 | 21.5 |
| 6 30 | 15 53.26 | −13 32.6 | 4.119 | 4.943 | 7.6 | 21.6 |

**163929** 2003 $SF_{306}$ 5 25.9 242.°87 3.°4/27.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.33 | −31 22.7 | 2.196 | 3.015 | 13.0 | 20.4 |
| 5 1 | 16 33.83 | −31 36.1 | 2.102 | 3.004 | 10.2 | 20.2 |
| 5 11 | 16 26.08 | −31 39.0 | 2.031 | 2.993 | 7.2 | 19.9 |
| 5 21 | 16 16.74 | −31 29.7 | 1.985 | 2.981 | 4.3 | 19.7 |
| 5 31 | 16 6.76 | −31 7.9 | 1.967 | 2.969 | 3.7 | 19.7 |
| 6 10 | 15 57.23 | −30 35.7 | 1.977 | 2.957 | 6.3 | 19.8 |
| 6 20 | 15 49.10 | −29 57.0 | 2.012 | 2.944 | 9.6 | 20.0 |
| 6 30 | 15 43.12 | −29 16.6 | 2.072 | 2.931 | 12.7 | 20.2 |

**382793** 2003 $SB_{387}$ 5 25.9 162.°30 2.°1/25.0 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.84 | −16 19.8 | 2.033 | 2.882 | 12.7 | 21.8 |
| 5 1 | 16 31.70 | −15 58.2 | 1.958 | 2.884 | 9.6 | 21.6 |
| 5 11 | 16 24.60 | −15 35.4 | 1.906 | 2.885 | 6.0 | 21.4 |
| 5 21 | 16 16.19 | −15 13.3 | 1.880 | 2.887 | 2.7 | 21.2 |
| 5 31 | 16 7.35 | −14 54.1 | 1.883 | 2.888 | 3.2 | 21.2 |
| 6 10 | 15 59.04 | −14 40.2 | 1.912 | 2.889 | 6.7 | 21.4 |
| 6 20 | 15 52.06 | −14 33.4 | 1.967 | 2.890 | 10.2 | 21.6 |
| 6 30 | 15 47.02 | −14 35.1 | 2.045 | 2.891 | 13.3 | 21.8 |

**373620** 2002 $GQ_{4}$ 5 25.9 197.°69 18.°2/13.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.46 | + 4 25.1 | 1.005 | 1.866 | 21.8 | 19.9 |
| 5 1 | 16 34.20 | + 8 30.4 | 0.966 | 1.866 | 19.5 | 19.8 |
| 5 11 | 16 26.68 | +12 16.0 | 0.948 | 1.866 | 18.2 | 19.7 |
| 5 21 | 16 16.96 | +15 21.4 | 0.950 | 1.866 | 18.6 | 19.7 |
| 5 31 | 16 6.62 | +17 30.7 | 0.971 | 1.866 | 20.4 | 19.8 |
| 6 10 | 15 57.32 | +18 38.8 | 1.008 | 1.865 | 22.9 | 20.0 |
| 6 20 | 15 50.37 | +18 49.4 | 1.060 | 1.865 | 25.4 | 20.1 |
| 6 30 | 15 46.59 | +18 12.0 | 1.121 | 1.865 | 27.7 | 20.3 |

**431395** 2007 $FG_{37}$ 5 25.9 223.°34 7.°6/20.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.92 | − 4 59.6 | 1.934 | 2.778 | 13.5 | 20.8 |
| 5 1 | 16 31.02 | − 3 9.0 | 1.863 | 2.774 | 10.9 | 20.6 |
| 5 11 | 16 24.17 | − 1 22.3 | 1.817 | 2.770 | 8.6 | 20.5 |
| 5 21 | 16 16.05 | + 0 13.5 | 1.797 | 2.765 | 7.6 | 20.4 |
| 5 31 | 16 7.51 | + 1 31.7 | 1.803 | 2.760 | 8.7 | 20.5 |
| 6 10 | 15 59.50 | + 2 27.8 | 1.835 | 2.754 | 11.0 | 20.6 |
| 6 20 | 15 52.80 | + 3 0.1 | 1.890 | 2.749 | 13.7 | 20.8 |
| 6 30 | 15 48.02 | + 3 9.2 | 1.965 | 2.743 | 16.2 | 20.9 |

**215807** 2004 $RE_{168}$ 5 25.9 334.°74 9.°1/20.8 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 30.75 | − 1 46.2 | 1.690 | 2.545 | 14.6 | 20.0 |
| 5 1 | 16 27.53 | − 0 19.2 | 1.615 | 2.528 | 12.1 | 19.8 |
| 5 11 | 16 22.21 | + 0 59.6 | 1.562 | 2.511 | 10.0 | 19.6 |
| 5 21 | 16 15.44 | + 2 3.1 | 1.532 | 2.495 | 9.1 | 19.5 |
| 5 31 | 16 8.10 | + 2 45.1 | 1.525 | 2.480 | 10.1 | 19.5 |
| 6 10 | 16 1.21 | + 3 1.7 | 1.542 | 2.466 | 12.4 | 19.6 |
| 6 20 | 15 55.64 | + 2 52.4 | 1.579 | 2.453 | 15.2 | 19.8 |
| 6 30 | 15 52.10 | + 2 19.0 | 1.635 | 2.440 | 17.9 | 19.9 |

**229090** 2004 $PQ_{10}$ 5 25.9 273.°44 5.°5/28.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.09 | −36 20.6 | 1.904 | 2.714 | 15.0 | 21.1 |
| 5 1 | 16 35.72 | −36 33.0 | 1.802 | 2.693 | 12.3 | 20.9 |
| 5 11 | 16 27.55 | −36 29.4 | 1.721 | 2.671 | 9.2 | 20.6 |
| 5 21 | 16 17.31 | −36 6.4 | 1.665 | 2.649 | 6.4 | 20.4 |
| 5 31 | 16 6.18 | −35 22.9 | 1.634 | 2.627 | 5.6 | 20.3 |
| 6 10 | 15 55.55 | −34 21.8 | 1.629 | 2.605 | 7.8 | 20.4 |
| 6 20 | 15 46.66 | −33 8.9 | 1.650 | 2.582 | 11.3 | 20.5 |
| 6 30 | 15 40.44 | −31 52.0 | 1.693 | 2.559 | 14.7 | 20.7 |

**436629** 2011 $OE_{2}$ 5 25.9 217.°56 5.°0/22.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 34.52 | − 7 4.5 | 2.480 | 3.319 | 11.1 | 21.9 |
| 5 1 | 16 29.64 | − 6 12.2 | 2.400 | 3.312 | 8.7 | 21.7 |
| 5 11 | 16 23.19 | − 5 23.6 | 2.344 | 3.306 | 6.4 | 21.5 |
| 5 21 | 16 15.72 | − 4 42.1 | 2.316 | 3.299 | 5.0 | 21.4 |
| 5 31 | 16 7.88 | − 4 10.8 | 2.315 | 3.291 | 5.7 | 21.5 |
| 6 10 | 16 0.42 | − 3 52.1 | 2.341 | 3.283 | 7.8 | 21.6 |
| 6 20 | 15 53.96 | − 3 47.0 | 2.392 | 3.275 | 10.3 | 21.7 |
| 6 30 | 15 49.03 | − 3 55.4 | 2.466 | 3.267 | 12.7 | 21.9 |

**141099** 2001 $XJ_{53}$ 5 25.9 224.°19 0.°5/25.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.53 | −20 47.9 | 2.417 | 3.258 | 11.3 | 20.5 |
| 5 1 | 16 30.54 | −20 31.1 | 2.331 | 3.253 | 8.5 | 20.3 |
| 5 11 | 16 23.82 | −20 10.4 | 2.269 | 3.248 | 5.2 | 20.1 |
| 5 21 | 16 15.94 | −19 46.5 | 2.233 | 3.242 | 1.8 | 19.8 |
| 5 31 | 16 7.65 | −19 21.1 | 2.226 | 3.236 | 2.0 | 19.8 |
| 6 10 | 15 59.76 | −18 56.6 | 2.248 | 3.230 | 5.5 | 20.0 |
| 6 20 | 15 52.99 | −18 35.3 | 2.296 | 3.224 | 8.7 | 20.2 |
| 6 30 | 15 47.90 | −18 19.4 | 2.368 | 3.217 | 11.6 | 20.4 |

**475062** 2005 $UE_{122}$ 5 25.9 198.°30 1.°5/26.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.52 | −26 9.1 | 2.620 | 3.447 | 10.9 | 22.2 |
| 5 1 | 16 31.24 | −26 20.1 | 2.534 | 3.445 | 8.3 | 22.0 |
| 5 11 | 16 24.25 | −26 25.2 | 2.472 | 3.444 | 5.4 | 21.8 |
| 5 21 | 16 16.10 | −26 23.9 | 2.437 | 3.441 | 2.4 | 21.6 |
| 5 31 | 16 7.53 | −26 16.4 | 2.431 | 3.439 | 2.1 | 21.6 |
| 6 10 | 15 59.34 | −26 4.4 | 2.453 | 3.437 | 5.0 | 21.7 |
| 6 20 | 15 52.24 | −25 49.9 | 2.503 | 3.434 | 8.0 | 21.9 |
| 6 30 | 15 46.79 | −25 35.7 | 2.577 | 3.431 | 10.6 | 22.1 |

**300008** 2006 $UC_{50}$ 5 25.9 18.°29 5.°2/27.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 39.10 | −34 31.0 | 1.994 | 2.810 | 14.2 | 19.9 |
| 5 1 | 16 33.90 | −35 12.2 | 1.917 | 2.812 | 11.4 | 19.8 |
| 5 11 | 16 26.23 | −35 41.2 | 1.862 | 2.814 | 8.5 | 19.6 |
| 5 21 | 16 16.83 | −35 54.9 | 1.832 | 2.816 | 5.9 | 19.4 |
| 5 31 | 16 6.79 | −35 52.0 | 1.827 | 2.819 | 5.4 | 19.4 |
| 6 10 | 15 57.33 | −35 34.1 | 1.849 | 2.822 | 7.3 | 19.5 |
| 6 20 | 15 49.50 | −35 5.2 | 1.896 | 2.825 | 10.2 | 19.7 |
| 6 30 | 15 44.08 | −34 30.7 | 1.965 | 2.828 | 13.1 | 19.9 |

**282298** 2002 $QR_{82}$ 5 25.9 354.°83 5.°4/23.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.30 | −11 45.9 | 1.433 | 2.307 | 15.7 | 20.5 |
| 5 1 | 16 28.98 | −10 44.2 | 1.366 | 2.302 | 12.0 | 20.2 |
| 5 11 | 16 23.22 | − 9 43.7 | 1.320 | 2.298 | 8.2 | 20.0 |
| 5 21 | 16 15.82 | − 8 50.1 | 1.297 | 2.296 | 5.6 | 19.8 |
| 5 31 | 16 7.86 | − 8 8.7 | 1.299 | 2.294 | 6.6 | 19.9 |
| 6 10 | 16 0.55 | − 7 44.0 | 1.325 | 2.293 | 10.1 | 20.1 |
| 6 20 | 15 54.89 | − 7 37.8 | 1.372 | 2.293 | 13.9 | 20.3 |
| 6 30 | 15 51.61 | − 7 50.0 | 1.438 | 2.294 | 17.4 | 20.5 |

**177343** 2003 $YA_{128}$ 5 25.9 254.°79 4.°7/27.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.12 | −32 7.2 | 1.709 | 2.537 | 15.7 | 20.4 |
| 5 1 | 16 36.65 | −32 37.3 | 1.620 | 2.525 | 12.5 | 20.2 |
| 5 11 | 16 28.22 | −32 55.2 | 1.551 | 2.513 | 8.9 | 20.0 |
| 5 21 | 16 17.59 | −32 57.3 | 1.506 | 2.500 | 5.6 | 19.7 |
| 5 31 | 16 6.00 | −32 42.2 | 1.487 | 2.487 | 5.0 | 19.7 |
| 6 10 | 15 54.95 | −32 11.8 | 1.494 | 2.474 | 7.9 | 19.8 |
| 6 20 | 15 45.75 | −31 31.2 | 1.525 | 2.460 | 11.8 | 20.0 |
| 6 30 | 15 39.39 | −30 47.2 | 1.579 | 2.447 | 15.5 | 20.2 |

**343013** 2009 $BM_{92}$ 5 25.9 153.°35 2.°7/27.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.96 | −30 54.5 | 2.522 | 3.336 | 11.7 | 22.2 |
| 5 1 | 16 33.09 | −30 58.4 | 2.443 | 3.343 | 9.1 | 22.1 |
| 5 11 | 16 25.39 | −30 52.7 | 2.388 | 3.350 | 6.2 | 21.9 |
| 5 21 | 16 16.48 | −30 36.6 | 2.359 | 3.356 | 3.5 | 21.7 |
| 5 31 | 16 7.21 | −30 10.6 | 2.359 | 3.362 | 3.0 | 21.7 |
| 6 10 | 15 58.46 | −29 36.9 | 2.387 | 3.368 | 5.4 | 21.9 |
| 6 20 | 15 50.99 | −28 59.0 | 2.443 | 3.372 | 8.2 | 22.1 |
| 6 30 | 15 45.37 | −28 20.7 | 2.523 | 3.377 | 10.8 | 22.2 |

**439462** 2013 $YX_{42}$ 5 25.9 96.°42 6.°6/29.7 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.52 | −40 49.1 | 2.068 | 2.855 | 14.8 | 20.6 |
| 5 1 | 16 35.64 | −41 8.0 | 1.995 | 2.863 | 12.3 | 20.4 |
| 5 11 | 16 27.22 | −41 9.0 | 1.942 | 2.872 | 9.6 | 20.3 |
| 5 21 | 16 17.13 | −40 49.2 | 1.914 | 2.880 | 7.3 | 20.1 |
| 5 31 | 16 6.58 | −40 8.2 | 1.911 | 2.888 | 6.6 | 20.1 |
| 6 10 | 15 56.84 | −39 9.3 | 1.934 | 2.896 | 7.8 | 20.2 |
| 6 20 | 15 48.94 | −37 58.4 | 1.983 | 2.904 | 10.2 | 20.4 |
| 6 30 | 15 43.58 | −36 42.6 | 2.054 | 2.912 | 12.8 | 20.5 |

**283601** 2001 $YW_{114}$ 5 25.9 176.°72 4.°4/22.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.82 | − 4 53.6 | 3.265 | 4.089 | 9.0 | 22.4 |
| 5 1 | 16 28.72 | − 4 7.9 | 3.191 | 4.092 | 7.2 | 22.3 |
| 5 11 | 16 22.46 | − 3 26.5 | 3.142 | 4.094 | 5.4 | 22.2 |
| 5 21 | 16 15.46 | − 2 51.8 | 3.122 | 4.095 | 4.4 | 22.1 |
| 5 31 | 16 8.25 | − 2 26.2 | 3.130 | 4.096 | 4.9 | 22.2 |
| 6 10 | 16 1.34 | − 2 11.1 | 3.167 | 4.096 | 6.5 | 22.3 |
| 6 20 | 15 55.22 | − 2 7.0 | 3.230 | 4.096 | 8.4 | 22.4 |
| 6 30 | 15 50.26 | − 2 13.8 | 3.316 | 4.095 | 10.2 | 22.5 |

**434410** 2005 $JJ_{80}$ 5 25.9 343°.21 14°.1/21.7 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 32.82 | + 9 13.8 | 1.380 | 2.213 | 18.5 | 19.8 |
| 5 1 | 16 29.55 | +10 10.9 | 1.314 | 2.195 | 16.5 | 19.6 |
| 5 11 | 16 23.71 | +10 43.9 | 1.265 | 2.179 | 14.9 | 19.4 |
| 5 21 | 16 16.03 | +10 44.5 | 1.235 | 2.163 | 14.1 | 19.3 |
| 5 31 | 16 7.63 | +10 7.0 | 1.225 | 2.150 | 14.7 | 19.3 |
| 6 10 | 15 59.78 | + 8 50.8 | 1.235 | 2.137 | 16.5 | 19.4 |
| 6 20 | 15 53.57 | + 7 0.5 | 1.264 | 2.127 | 18.8 | 19.5 |
| 6 30 | 15 49.85 | + 4 43.2 | 1.310 | 2.118 | 21.3 | 19.7 |

**281245** 2007 $MG_3$ 5 25.9 321°.20 0°.6/26.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.73 | −23 52.9 | 1.513 | 2.376 | 15.6 | 20.6 |
| 5 1 | 16 31.13 | −23 40.0 | 1.423 | 2.356 | 12.0 | 20.4 |
| 5 11 | 16 24.80 | −23 18.3 | 1.354 | 2.336 | 7.6 | 20.0 |
| 5 21 | 16 16.45 | −22 47.9 | 1.308 | 2.317 | 2.7 | 19.7 |
| 5 31 | 16 7.22 | −22 11.1 | 1.288 | 2.299 | 2.6 | 19.6 |
| 6 10 | 15 58.48 | −21 31.8 | 1.292 | 2.281 | 7.6 | 19.9 |
| 6 20 | 15 51.45 | −20 54.9 | 1.319 | 2.264 | 12.4 | 20.1 |
| 6 30 | 15 47.04 | −20 25.3 | 1.367 | 2.248 | 16.7 | 20.3 |

**176683** 2002 $PV_{91}$ 5 25.9 321°.99 2°.0/26.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.65 | −25 36.1 | 1.246 | 2.116 | 17.8 | 19.7 |
| 5 1 | 16 32.44 | −25 43.8 | 1.162 | 2.097 | 13.8 | 19.4 |
| 5 11 | 16 25.94 | −25 41.4 | 1.096 | 2.078 | 9.0 | 19.1 |
| 5 21 | 16 16.91 | −25 27.5 | 1.053 | 2.060 | 3.8 | 18.7 |
| 5 31 | 16 6.72 | −25 2.7 | 1.032 | 2.043 | 3.3 | 18.6 |
| 6 10 | 15 57.09 | −24 30.7 | 1.035 | 2.026 | 8.7 | 18.9 |
| 6 20 | 15 49.55 | −23 57.2 | 1.059 | 2.010 | 14.0 | 19.1 |
| 6 30 | 15 45.23 | −23 28.3 | 1.102 | 1.996 | 18.8 | 19.4 |

**390297** 2013 $AE_{47}$ 5 25.9 143°.15 2°.0/26.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.24 | −27 56.0 | 2.396 | 3.223 | 11.8 | 21.5 |
| 5 1 | 16 31.90 | −28 2.0 | 2.317 | 3.227 | 9.1 | 21.3 |
| 5 11 | 16 24.71 | −28 0.1 | 2.261 | 3.231 | 6.0 | 21.1 |
| 5 21 | 16 16.29 | −27 49.8 | 2.232 | 3.235 | 3.0 | 20.9 |
| 5 31 | 16 7.46 | −27 31.7 | 2.231 | 3.239 | 2.5 | 20.9 |
| 6 10 | 15 59.12 | −27 7.8 | 2.259 | 3.242 | 5.3 | 21.1 |
| 6 20 | 15 52.03 | −26 41.1 | 2.313 | 3.246 | 8.4 | 21.3 |
| 6 30 | 15 46.78 | −26 15.0 | 2.391 | 3.249 | 11.2 | 21.4 |

**398436** 2011 $UR_{30}$ 5 25.9 175°.44 1°.2/25.2 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.47 | −19 1.9 | 2.619 | 3.460 | 10.5 | 21.9 |
| 5 1 | 16 29.56 | −18 27.5 | 2.539 | 3.461 | 7.8 | 21.7 |
| 5 11 | 16 23.13 | −17 49.8 | 2.483 | 3.462 | 4.9 | 21.5 |
| 5 21 | 16 15.73 | −17 10.5 | 2.455 | 3.463 | 1.9 | 21.3 |
| 5 31 | 16 8.03 | −16 31.7 | 2.456 | 3.463 | 2.3 | 21.3 |
| 6 10 | 16 0.75 | −15 56.2 | 2.486 | 3.463 | 5.3 | 21.5 |
| 6 20 | 15 54.49 | −15 26.2 | 2.542 | 3.464 | 8.3 | 21.7 |
| 6 30 | 15 49.75 | −15 3.5 | 2.623 | 3.463 | 10.9 | 21.9 |

**382479** 2000 $XM_{40}$ 5 25.9 216°.22 5°.3/28.3 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 43.40 | −37 26.0 | 2.496 | 3.281 | 12.6 | 21.9 |
| 5 1 | 16 36.85 | −38 1.3 | 2.399 | 3.272 | 10.3 | 21.7 |
| 5 11 | 16 27.99 | −38 24.4 | 2.326 | 3.262 | 7.9 | 21.6 |
| 5 21 | 16 17.46 | −38 32.2 | 2.278 | 3.251 | 5.9 | 21.4 |
| 5 31 | 16 6.23 | −38 23.0 | 2.258 | 3.239 | 5.4 | 21.4 |
| 6 10 | 15 55.42 | −37 58.1 | 2.265 | 3.227 | 6.9 | 21.4 |
| 6 20 | 15 46.02 | −37 21.1 | 2.300 | 3.214 | 9.3 | 21.6 |
| 6 30 | 15 38.79 | −36 37.1 | 2.358 | 3.201 | 11.9 | 21.7 |

**276122** 2002 $GW_{81}$ 5 25.9 309°.70 4°.5/26.6 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.74 | −26 50.5 | 1.353 | 2.205 | 17.7 | 20.4 |
| 5 1 | 16 37.84 | −28 5.8 | 1.269 | 2.192 | 13.9 | 20.1 |
| 5 11 | 16 29.40 | −29 17.0 | 1.207 | 2.180 | 9.6 | 19.8 |
| 5 21 | 16 18.13 | −30 18.4 | 1.167 | 2.168 | 5.5 | 19.6 |
| 5 31 | 16 5.46 | −31 5.1 | 1.152 | 2.156 | 5.1 | 19.5 |
| 6 10 | 15 53.22 | −31 35.7 | 1.161 | 2.145 | 9.2 | 19.7 |
| 6 20 | 15 43.11 | −31 52.7 | 1.194 | 2.134 | 13.9 | 19.9 |
| 6 30 | 15 36.42 | −32 1.7 | 1.245 | 2.123 | 18.2 | 20.2 |

**299273** 2005 $NQ_{100}$ 5 25.9 164°.01 6°.2/22.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.98 | + 0 41.5 | 2.821 | 3.635 | 10.5 | 21.2 |
| 5 1 | 16 29.74 | + 1 16.9 | 2.754 | 3.640 | 8.7 | 21.1 |
| 5 11 | 16 23.16 | + 1 43.5 | 2.711 | 3.644 | 7.0 | 21.0 |
| 5 21 | 16 15.73 | + 1 58.6 | 2.694 | 3.648 | 6.2 | 20.9 |
| 5 31 | 16 8.05 | + 2 0.1 | 2.705 | 3.651 | 6.6 | 21.0 |
| 6 10 | 16 0.74 | + 1 47.1 | 2.743 | 3.654 | 8.1 | 21.1 |
| 6 20 | 15 54.35 | + 1 20.2 | 2.806 | 3.657 | 9.9 | 21.2 |
| 6 30 | 15 49.31 | + 0 40.7 | 2.891 | 3.659 | 11.7 | 21.3 |

**394267** 2006 $UR_{115}$ 5 25.9 85°.97 3°.0/24.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.39 | −13 59.6 | 2.311 | 3.156 | 11.5 | 21.2 |
| 5 1 | 16 30.23 | −13 11.9 | 2.254 | 3.177 | 8.7 | 21.1 |
| 5 11 | 16 23.50 | −12 24.4 | 2.221 | 3.197 | 5.6 | 20.9 |
| 5 21 | 16 15.84 | −11 40.0 | 2.216 | 3.217 | 3.2 | 20.8 |
| 5 31 | 16 7.98 | −11 1.5 | 2.239 | 3.237 | 3.8 | 20.9 |
| 6 10 | 16 0.69 | −10 31.6 | 2.290 | 3.257 | 6.5 | 21.1 |
| 6 20 | 15 54.59 | −10 11.7 | 2.367 | 3.276 | 9.4 | 21.3 |
| 6 30 | 15 50.15 | −10 2.7 | 2.467 | 3.295 | 11.9 | 21.5 |

**228398** 2001 $CT_{21}$ 5 25.9 134°.25 3°.5/24.6 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 38.60 | −10 50.4 | 2.233 | 3.073 | 12.1 | 20.5 |
| 5 1 | 16 32.76 | −10 33.9 | 2.167 | 3.084 | 9.2 | 20.3 |
| 5 11 | 16 25.15 | −10 20.7 | 2.124 | 3.096 | 6.2 | 20.2 |
| 5 21 | 16 16.43 | −10 12.7 | 2.108 | 3.107 | 3.8 | 20.0 |
| 5 31 | 16 7.38 | −10 11.5 | 2.121 | 3.117 | 4.2 | 20.1 |
| 6 10 | 15 58.86 | −10 18.6 | 2.162 | 3.127 | 6.9 | 20.3 |
| 6 20 | 15 51.59 | −10 34.3 | 2.229 | 3.136 | 9.9 | 20.5 |
| 6 30 | 15 46.11 | −10 58.7 | 2.318 | 3.145 | 12.6 | 20.7 |

**126530** 2002 $CC_{84}$ 5 25.9 273°.06 6°.9/28.8 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.65 | −38 37.5 | 1.851 | 2.654 | 15.7 | 19.8 |
| 5 1 | 16 36.26 | −39 17.9 | 1.765 | 2.647 | 13.0 | 19.6 |
| 5 11 | 16 27.94 | −39 42.2 | 1.701 | 2.639 | 10.1 | 19.4 |
| 5 21 | 16 17.51 | −39 46.0 | 1.659 | 2.632 | 7.7 | 19.3 |
| 5 31 | 16 6.23 | −39 27.0 | 1.643 | 2.625 | 7.0 | 19.2 |
| 6 10 | 15 55.57 | −38 47.5 | 1.652 | 2.617 | 8.7 | 19.3 |
| 6 20 | 15 46.82 | −37 52.8 | 1.685 | 2.610 | 11.5 | 19.4 |
| 6 30 | 15 40.90 | −36 50.4 | 1.741 | 2.603 | 14.5 | 19.6 |

**223265** 2003 $GX_1$ 5 25.9 335°.39 3°.7/25.9 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.35 | −23 27.8 | 1.564 | 2.414 | 15.8 | 18.3 |
| 5 1 | 16 36.56 | −25 10.6 | 1.465 | 2.388 | 12.4 | 18.1 |
| 5 11 | 16 28.57 | −26 57.6 | 1.388 | 2.363 | 8.3 | 17.8 |
| 5 21 | 16 17.90 | −28 43.2 | 1.337 | 2.340 | 4.5 | 17.5 |
| 5 31 | 16 5.66 | −30 21.0 | 1.312 | 2.317 | 4.5 | 17.4 |
| 6 10 | 15 53.41 | −31 46.3 | 1.314 | 2.295 | 8.6 | 17.6 |
| 6 20 | 15 42.74 | −32 57.8 | 1.340 | 2.275 | 13.1 | 17.8 |
| 6 30 | 15 34.98 | −33 57.4 | 1.388 | 2.256 | 17.2 | 18.0 |

**456884** 2007 $VP_{108}$ 5 25.9 76°.25 0°.1/25.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.09 | −21 32.4 | 1.431 | 2.289 | 16.6 | 21.5 |
| 5 1 | 16 35.59 | −21 29.9 | 1.373 | 2.303 | 12.5 | 21.2 |
| 5 11 | 16 27.31 | −21 21.8 | 1.336 | 2.317 | 7.7 | 21.0 |
| 5 21 | 16 17.21 | −21 8.6 | 1.323 | 2.332 | 2.6 | 20.7 |
| 5 31 | 16 6.64 | −20 51.9 | 1.335 | 2.346 | 2.6 | 20.8 |
| 6 10 | 15 56.99 | −20 35.1 | 1.373 | 2.360 | 7.6 | 21.1 |
| 6 20 | 15 49.39 | −20 21.7 | 1.435 | 2.374 | 12.1 | 21.4 |
| 6 30 | 15 44.55 | −20 14.7 | 1.517 | 2.388 | 15.9 | 21.7 |

**410185** 2007 $RZ_{80}$ 5 25.9 224°.88 3°.5/27.4 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 42.80 | −30 46.6 | 1.707 | 2.537 | 15.7 | 21.2 |
| 5 1 | 16 37.01 | −30 50.9 | 1.619 | 2.529 | 12.3 | 21.0 |
| 5 11 | 16 28.35 | −30 41.8 | 1.553 | 2.520 | 8.5 | 20.7 |
| 5 21 | 16 17.64 | −30 17.2 | 1.511 | 2.511 | 4.7 | 20.5 |
| 5 31 | 16 6.13 | −29 37.3 | 1.496 | 2.501 | 3.9 | 20.4 |
| 6 10 | 15 55.27 | −28 45.9 | 1.507 | 2.491 | 7.4 | 20.6 |
| 6 20 | 15 46.29 | −27 48.9 | 1.543 | 2.480 | 11.6 | 20.8 |
| 6 30 | 15 40.08 | −26 53.0 | 1.601 | 2.469 | 15.3 | 21.0 |

**40134** Marsili 5 25.9 315°.13 10°.7/17.5 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.12 | − 2 49.4 | 1.569 | 2.427 | 15.4 | 18.2 |
| 5 1 | 16 29.60 | − 0 10.5 | 1.485 | 2.398 | 13.0 | 17.9 |
| 5 11 | 16 23.71 | + 2 27.9 | 1.424 | 2.369 | 11.1 | 17.7 |
| 5 21 | 16 16.08 | + 4 54.4 | 1.388 | 2.341 | 10.8 | 17.6 |
| 5 31 | 16 7.68 | + 6 57.6 | 1.377 | 2.314 | 12.5 | 17.7 |
| 6 10 | 15 59.67 | + 8 28.8 | 1.388 | 2.286 | 15.2 | 17.7 |
| 6 20 | 15 53.09 | + 9 24.2 | 1.418 | 2.260 | 18.3 | 17.9 |
| 6 30 | 15 48.75 | + 9 44.5 | 1.465 | 2.234 | 21.2 | 18.0 |

**307018** 2001 $XU_{76}$ 5 25.9 282°.68 1°.4/26.5 18

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.82 | −24 48.5 | 1.705 | 2.553 | 14.8 | 20.5 |
| 5 1 | 16 33.99 | −24 55.4 | 1.613 | 2.537 | 11.4 | 20.3 |
| 5 11 | 16 26.49 | −24 54.9 | 1.543 | 2.521 | 7.4 | 20.0 |
| 5 21 | 16 17.04 | −24 46.2 | 1.497 | 2.505 | 3.0 | 19.7 |
| 5 31 | 16 6.71 | −24 29.6 | 1.478 | 2.488 | 2.6 | 19.6 |
| 6 10 | 15 56.84 | −24 7.9 | 1.485 | 2.472 | 7.1 | 19.8 |
| 6 20 | 15 48.58 | −23 44.7 | 1.516 | 2.455 | 11.5 | 20.1 |
| 6 30 | 15 42.85 | −23 24.4 | 1.569 | 2.439 | 15.5 | 20.3 |

**393101** 2013 $AO_{139}$ 5 25.9 242°.03 3°.3/23.9 16

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.06 | −14 11.8 | 2.256 | 3.105 | 11.6 | 21.4 |
| 5 1 | 16 29.45 | −13 12.0 | 2.179 | 3.104 | 8.8 | 21.2 |
| 5 11 | 16 23.16 | −12 11.0 | 2.126 | 3.103 | 5.8 | 21.1 |
| 5 21 | 16 15.78 | −11 11.9 | 2.101 | 3.101 | 3.5 | 20.9 |
| 5 31 | 16 8.06 | −10 18.6 | 2.103 | 3.100 | 4.2 | 20.9 |
| 6 10 | 16 0.81 | − 9 34.6 | 2.133 | 3.098 | 7.0 | 21.1 |
| 6 20 | 15 54.70 | − 9 2.2 | 2.189 | 3.097 | 10.1 | 21.3 |
| 6 30 | 15 50.26 | − 8 42.6 | 2.267 | 3.095 | 12.8 | 21.5 |

**129881** Chucksee 5 25.9 195°.02 0°.6/26.3 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.17 | −24 33.2 | 2.040 | 2.874 | 13.3 | 21.1 |
| 5 1 | 16 35.12 | −24 13.9 | 1.955 | 2.872 | 10.1 | 20.9 |
| 5 11 | 16 26.84 | −23 46.4 | 1.893 | 2.869 | 6.4 | 20.7 |
| 5 21 | 16 17.07 | −23 11.3 | 1.857 | 2.865 | 2.3 | 20.4 |
| 5 31 | 16 6.77 | −22 30.3 | 1.850 | 2.860 | 2.1 | 20.4 |
| 6 10 | 15 57.04 | −21 46.9 | 1.871 | 2.855 | 6.2 | 20.6 |
| 6 20 | 15 48.79 | −21 5.3 | 1.919 | 2.849 | 10.0 | 20.8 |
| 6 30 | 15 42.72 | −20 29.2 | 1.990 | 2.842 | 13.4 | 21.0 |

**49733** 1999 $VB_{103}$ 5 25.9 261.°75 0.°5/26.2 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 37.87 | −22 55.8 | 1.909 | 2.755 | 13.6 | 20.2 |
| 5 1 | 16 32.82 | −22 56.5 | 1.827 | 2.751 | 10.3 | 20.0 |
| 5 11 | 16 25.51 | −22 51.7 | 1.769 | 2.747 | 6.5 | 19.7 |
| 5 21 | 16 16.64 | −22 41.3 | 1.735 | 2.743 | 2.3 | 19.4 |
| 5 31 | 16 7.19 | −22 26.4 | 1.729 | 2.739 | 2.2 | 19.4 |
| 6 10 | 15 58.26 | −22 9.4 | 1.750 | 2.735 | 6.4 | 19.7 |
| 6 20 | 15 50.79 | −21 53.2 | 1.796 | 2.731 | 10.3 | 19.9 |
| 6 30 | 15 45.51 | −21 40.8 | 1.864 | 2.727 | 13.7 | 20.1 |

**302091** 2000 $YW_{122}$ 5 25.9 166.°65 0.°9/25.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.81 | −21 35.1 | 2.781 | 3.614 | 10.2 | 20.5 |
| 5 1 | 16 30.43 | −20 35.8 | 2.699 | 3.618 | 7.6 | 20.3 |
| 5 11 | 16 23.62 | −19 30.6 | 2.642 | 3.620 | 4.7 | 20.1 |
| 5 21 | 16 15.91 | −18 21.6 | 2.615 | 3.623 | 1.7 | 19.9 |
| 5 31 | 16 7.98 | −17 12.1 | 2.618 | 3.625 | 2.1 | 19.9 |
| 6 10 | 16 0.50 | −16 5.4 | 2.650 | 3.627 | 5.1 | 20.1 |
| 6 20 | 15 54.06 | −15 5.0 | 2.711 | 3.629 | 8.0 | 20.3 |
| 6 30 | 15 49.11 | −14 13.3 | 2.797 | 3.630 | 10.5 | 20.5 |

**170167** 2003 $FN_{78}$ 5 25.9 308.°29 2.°5/26.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.36 | −27 53.9 | 2.174 | 3.005 | 12.7 | 20.0 |
| 5 1 | 16 32.32 | −28 17.8 | 2.088 | 3.000 | 9.8 | 19.8 |
| 5 11 | 16 25.16 | −28 34.3 | 2.026 | 2.995 | 6.6 | 19.6 |
| 5 21 | 16 16.52 | −28 42.0 | 1.989 | 2.991 | 3.4 | 19.4 |
| 5 31 | 16 7.30 | −28 40.7 | 1.980 | 2.986 | 3.0 | 19.4 |
| 6 10 | 15 58.52 | −28 31.7 | 1.998 | 2.981 | 6.0 | 19.5 |
| 6 20 | 15 51.05 | −28 17.8 | 2.042 | 2.977 | 9.3 | 19.7 |
| 6 30 | 15 45.62 | −28 2.5 | 2.110 | 2.972 | 12.3 | 19.9 |

**436320** 2010 $FB_{84}$ 5 25.9 114.°76 6.°6/28.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 43.46 | −38 36.6 | 2.121 | 2.912 | 14.3 | 21.1 |
| 5 1 | 16 37.20 | −39 32.3 | 2.048 | 2.920 | 11.8 | 20.9 |
| 5 11 | 16 28.32 | −40 13.8 | 1.996 | 2.928 | 9.2 | 20.7 |
| 5 21 | 16 17.61 | −40 37.1 | 1.969 | 2.936 | 7.2 | 20.6 |
| 5 31 | 16 6.23 | −40 40.0 | 1.969 | 2.944 | 6.6 | 20.6 |
| 6 10 | 15 55.48 | −40 23.9 | 1.994 | 2.951 | 8.0 | 20.7 |
| 6 20 | 15 46.47 | −39 53.0 | 2.045 | 2.958 | 10.4 | 20.9 |
| 6 30 | 15 40.01 | −39 13.4 | 2.118 | 2.966 | 12.9 | 21.0 |

**263510** 2008 $EG_{135}$ 5 25.9 273.°08 4.°3/23.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.57 | − 9 30.6 | 2.349 | 3.194 | 11.4 | 21.1 |
| 5 1 | 16 29.08 | − 8 47.5 | 2.266 | 3.186 | 8.8 | 20.9 |
| 5 11 | 16 22.96 | − 8 7.0 | 2.208 | 3.177 | 6.2 | 20.7 |
| 5 21 | 16 15.74 | − 7 32.2 | 2.176 | 3.168 | 4.4 | 20.6 |
| 5 31 | 16 8.12 | − 7 6.1 | 2.172 | 3.160 | 5.0 | 20.6 |
| 6 10 | 16 0.87 | − 6 50.9 | 2.195 | 3.151 | 7.5 | 20.7 |
| 6 20 | 15 54.67 | − 6 47.8 | 2.243 | 3.142 | 10.2 | 20.9 |
| 6 30 | 15 50.05 | − 6 57.0 | 2.313 | 3.133 | 12.8 | 21.1 |

**35428** 1998 $BS_{2}$ 5 25.9 92.°56 3.°8/24.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.06 | −12 51.3 | 1.473 | 2.332 | 16.2 | 18.3 |
| 5 1 | 16 35.39 | −12 33.2 | 1.415 | 2.345 | 12.3 | 18.0 |
| 5 11 | 16 27.12 | −12 18.1 | 1.379 | 2.357 | 8.0 | 17.8 |
| 5 21 | 16 17.17 | −12 8.4 | 1.366 | 2.370 | 4.3 | 17.6 |
| 5 31 | 16 6.75 | −12 6.7 | 1.380 | 2.382 | 4.9 | 17.7 |
| 6 10 | 15 57.19 | −12 14.8 | 1.419 | 2.394 | 8.8 | 18.0 |
| 6 20 | 15 49.51 | −12 33.4 | 1.481 | 2.406 | 12.8 | 18.2 |
| 6 30 | 15 44.43 | −13 2.4 | 1.564 | 2.418 | 16.3 | 18.5 |

**119024** 2001 $BX_{18}$ 5 25.9 192.°98 2.°9/24.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 33.86 | −11 50.4 | 2.850 | 3.689 | 9.8 | 20.6 |
| 5 1 | 16 28.99 | −11 19.1 | 2.769 | 3.687 | 7.5 | 20.5 |
| 5 11 | 16 22.76 | −10 49.1 | 2.713 | 3.685 | 5.0 | 20.3 |
| 5 21 | 16 15.65 | −10 22.3 | 2.685 | 3.682 | 3.1 | 20.2 |
| 5 31 | 16 8.24 | −10 0.8 | 2.685 | 3.680 | 3.6 | 20.2 |
| 6 10 | 16 1.16 | − 9 46.4 | 2.715 | 3.677 | 5.9 | 20.4 |
| 6 20 | 15 54.98 | − 9 40.1 | 2.770 | 3.673 | 8.4 | 20.5 |
| 6 30 | 15 50.14 | − 9 42.5 | 2.850 | 3.670 | 10.7 | 20.7 |

**274658** 2008 $TY_{156}$ 5 25.9 106.°53 0.°2/25.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 32.53 | −20 40.6 | 3.427 | 4.260 | 8.5 | 21.6 |
| 5 1 | 16 27.79 | −20 34.7 | 3.356 | 4.274 | 6.3 | 21.5 |
| 5 11 | 16 21.93 | −20 26.4 | 3.311 | 4.288 | 3.9 | 21.3 |
| 5 21 | 16 15.35 | −20 16.2 | 3.294 | 4.302 | 1.3 | 21.1 |
| 5 31 | 16 8.58 | −20 5.0 | 3.306 | 4.316 | 1.4 | 21.2 |
| 6 10 | 16 2.13 | −19 54.0 | 3.348 | 4.330 | 3.9 | 21.4 |
| 6 20 | 15 56.48 | −19 44.7 | 3.418 | 4.343 | 6.3 | 21.5 |
| 6 30 | 15 51.98 | −19 38.1 | 3.513 | 4.356 | 8.3 | 21.7 |

**281026** 2006 $GU_{4}$ 5 25.9 248.°64 1.°5/25.4 17 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.54 | −17 42.9 | 2.020 | 2.868 | 12.9 | 20.9 |
| 5 1 | 16 32.43 | −17 30.9 | 1.933 | 2.859 | 9.7 | 20.6 |
| 5 11 | 16 25.23 | −17 17.0 | 1.870 | 2.850 | 6.1 | 20.4 |
| 5 21 | 16 16.56 | −17 2.4 | 1.832 | 2.840 | 2.4 | 20.1 |
| 5 31 | 16 7.32 | −16 48.8 | 1.823 | 2.830 | 2.8 | 20.2 |
| 6 10 | 15 58.52 | −16 38.5 | 1.840 | 2.820 | 6.6 | 20.4 |
| 6 20 | 15 51.02 | −16 33.5 | 1.883 | 2.810 | 10.4 | 20.6 |
| 6 30 | 15 45.52 | −16 35.6 | 1.949 | 2.800 | 13.7 | 20.8 |

**326166** 2012 $BC_{101}$ 5 26.0 98.°82 2.°1/26.9 17

| 2020 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 4 21 | 16 40.70 | −27 50.4 | 1.552 | 2.398 | 16.2 | 20.7 |
| 5 1 | 16 35.31 | −27 37.9 | 1.484 | 2.405 | 12.4 | 20.5 |
| 5 11 | 16 27.18 | −27 13.1 | 1.437 | 2.412 | 8.1 | 20.3 |
| 5 21 | 16 17.23 | −26 35.7 | 1.414 | 2.420 | 3.6 | 20.0 |
| 5 31 | 16 6.76 | −25 48.0 | 1.418 | 2.427 | 2.9 | 20.0 |
| 6 10 | 15 57.16 | −24 54.7 | 1.447 | 2.434 | 7.2 | 20.3 |
| 6 20 | 15 49.55 | −24 1.8 | 1.500 | 2.441 | 11.5 | 20.5 |
| 6 30 | 15 44.66 | −23 14.8 | 1.575 | 2.448 | 15.3 | 20.8 |

**8718** 1995 $UC_{8}$ 5 26.0 234.°85 1.°9/24.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.80 | −16 40.2 | 2.609 | 3.450 | 10.5 | 18.7 |
| 5 1 | 16 29.91 | −16 7.1 | 2.517 | 3.440 | 7.9 | 18.5 |
| 5 11 | 16 23.44 | −15 31.8 | 2.451 | 3.429 | 5.0 | 18.3 |
| 5 21 | 16 15.93 | −14 56.3 | 2.412 | 3.418 | 2.3 | 18.1 |
| 5 31 | 16 8.02 | −14 22.8 | 2.402 | 3.406 | 2.8 | 18.2 |
| 6 10 | 16 0.45 | −13 53.8 | 2.421 | 3.394 | 5.7 | 18.3 |
| 6 20 | 15 53.87 | −13 31.3 | 2.466 | 3.382 | 8.7 | 18.5 |
| 6 30 | 15 48.80 | −13 16.9 | 2.535 | 3.370 | 11.4 | 18.7 |

**472174** 2014 $DG_{63}$ 5 26.0 113.°30 3.°6/24.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 35.48 | −11 5.6 | 2.365 | 3.209 | 11.4 | 20.8 |
| 5 1 | 16 30.36 | −10 30.5 | 2.301 | 3.221 | 8.7 | 20.6 |
| 5 11 | 16 23.66 | − 9 57.8 | 2.261 | 3.232 | 5.8 | 20.5 |
| 5 21 | 16 15.97 | − 9 29.9 | 2.248 | 3.244 | 3.8 | 20.4 |
| 5 31 | 16 8.02 | − 9 9.3 | 2.262 | 3.255 | 4.3 | 20.4 |
| 6 10 | 16 0.56 | − 8 57.8 | 2.305 | 3.267 | 6.8 | 20.6 |
| 6 20 | 15 54.23 | − 8 56.4 | 2.373 | 3.277 | 9.5 | 20.8 |
| 6 30 | 15 49.51 | − 9 5.3 | 2.464 | 3.288 | 12.0 | 21.0 |

**91163** 1998 $QZ_{82}$ 5 26.0 274.°65 4.°8/29.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 38.21 | −38 42.5 | 2.447 | 3.238 | 12.7 | 18.5 |
| 5 1 | 16 32.79 | −38 30.8 | 2.357 | 3.234 | 10.3 | 18.4 |
| 5 11 | 16 25.34 | −38 3.4 | 2.290 | 3.229 | 7.8 | 18.2 |
| 5 21 | 16 16.57 | −37 18.9 | 2.247 | 3.225 | 5.6 | 18.1 |
| 5 31 | 16 7.42 | −36 18.2 | 2.232 | 3.221 | 4.8 | 18.0 |
| 6 10 | 15 58.87 | −35 4.5 | 2.245 | 3.217 | 6.3 | 18.1 |
| 6 20 | 15 51.76 | −33 43.1 | 2.285 | 3.213 | 8.8 | 18.2 |
| 6 30 | 15 46.68 | −32 19.9 | 2.349 | 3.209 | 11.4 | 18.4 |

**192692** 1999 $TH_{41}$ 5 26.0 273.°09 3.°5/23.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 36.28 | −14 53.4 | 1.982 | 2.833 | 12.9 | 20.1 |
| 5 1 | 16 31.54 | −13 51.3 | 1.886 | 2.813 | 9.9 | 19.9 |
| 5 11 | 16 24.72 | −12 45.6 | 1.815 | 2.792 | 6.5 | 19.6 |
| 5 21 | 16 16.42 | −11 40.1 | 1.769 | 2.771 | 3.8 | 19.4 |
| 5 31 | 16 7.52 | −10 39.2 | 1.751 | 2.749 | 4.7 | 19.4 |
| 6 10 | 15 58.99 | − 9 47.6 | 1.760 | 2.727 | 8.1 | 19.6 |
| 6 20 | 15 51.74 | − 9 8.9 | 1.794 | 2.705 | 11.7 | 19.7 |
| 6 30 | 15 46.45 | − 8 45.1 | 1.850 | 2.683 | 15.0 | 19.9 |

**469988** 2006 $HN_{140}$ 5 26.0 302.°65 0.°3/26.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.29 | −21 57.8 | 1.858 | 2.708 | 13.7 | 21.7 |
| 5 1 | 16 32.48 | −22 1.0 | 1.775 | 2.701 | 10.4 | 21.5 |
| 5 11 | 16 25.37 | −21 59.5 | 1.715 | 2.695 | 6.5 | 21.2 |
| 5 21 | 16 16.65 | −21 53.5 | 1.679 | 2.688 | 2.3 | 20.9 |
| 5 31 | 16 7.30 | −21 43.8 | 1.671 | 2.682 | 2.2 | 20.9 |
| 6 10 | 15 58.45 | −21 32.7 | 1.690 | 2.676 | 6.5 | 21.2 |
| 6 20 | 15 51.06 | −21 22.8 | 1.733 | 2.670 | 10.5 | 21.4 |
| 6 30 | 15 45.88 | −21 16.9 | 1.799 | 2.664 | 14.0 | 21.6 |

**94857** 2001 $XH_{211}$ 5 26.0 163.°83 1.°9/25.2 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 41.08 | −18 44.6 | 1.677 | 2.528 | 14.9 | 20.6 |
| 5 1 | 16 35.29 | −18 5.9 | 1.605 | 2.532 | 11.2 | 20.3 |
| 5 11 | 16 27.05 | −17 22.6 | 1.556 | 2.536 | 7.0 | 20.1 |
| 5 21 | 16 17.19 | −16 37.1 | 1.532 | 2.540 | 2.8 | 19.8 |
| 5 31 | 16 6.83 | −15 52.9 | 1.536 | 2.543 | 3.4 | 19.9 |
| 6 10 | 15 57.20 | −15 14.4 | 1.566 | 2.545 | 7.7 | 20.2 |
| 6 20 | 15 49.30 | −14 45.0 | 1.621 | 2.547 | 11.8 | 20.4 |
| 6 30 | 15 43.82 | −14 27.2 | 1.697 | 2.548 | 15.4 | 20.6 |

**470939** 2009 $HA_{64}$ 5 26.0 270.°58 1.°4/26.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 37.29 | −24 59.7 | 2.286 | 3.121 | 12.0 | 21.6 |
| 5 1 | 16 32.19 | −25 14.6 | 2.192 | 3.109 | 9.2 | 21.4 |
| 5 11 | 16 25.08 | −25 24.1 | 2.122 | 3.096 | 5.9 | 21.2 |
| 5 21 | 16 16.55 | −25 27.4 | 2.078 | 3.084 | 2.5 | 20.9 |
| 5 31 | 16 7.41 | −25 24.6 | 2.062 | 3.072 | 2.2 | 20.9 |
| 6 10 | 15 58.63 | −25 17.2 | 2.075 | 3.059 | 5.6 | 21.1 |
| 6 20 | 15 51.04 | −25 7.3 | 2.113 | 3.047 | 9.1 | 21.3 |
| 6 30 | 15 45.34 | −24 57.9 | 2.175 | 3.034 | 12.2 | 21.4 |

**188465** 2004 $KH_{9}$ 5 26.0 327.°15 2.°4/24.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 21 | 16 34.05 | −22 14.4 | 1.342 | 2.215 | 16.6 | 19.8 |
| 5 1 | 16 30.71 | −20 39.9 | 1.259 | 2.198 | 12.6 | 19.5 |
| 5 11 | 16 24.56 | −18 49.3 | 1.197 | 2.182 | 7.9 | 19.1 |
| 5 21 | 16 16.43 | −16 47.9 | 1.159 | 2.167 | 3.1 | 18.8 |
| 5 31 | 16 7.57 | −14 44.5 | 1.146 | 2.153 | 4.3 | 18.8 |
| 6 10 | 15 59.40 | −12 49.6 | 1.158 | 2.139 | 9.5 | 19.1 |
| 6 20 | 15 53.12 | −11 12.2 | 1.193 | 2.127 | 14.4 | 19.3 |
| 6 30 | 15 49.55 | − 9 58.0 | 1.247 | 2.115 | 18.7 | 19.6 |