

EPHEMERIDES

6 6.9

6 7.0

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 504315 | 2007 <i>RF</i> ₂₄ | | 6 6.9 310°38 | 0°8/ 7.2 17 | | | 522722 | 2016 <i>LH</i> ₆₂ | | 6 6.9 276°94 | 7°7/ 4.9 16 | | |
| 5 1 | 17 25.88 | -25 47.4 | 1.185 | 2.051 | 19.0 | 21.4 | 5 1 | 17 25.46 | -3 26.6 | 1.997 | 2.811 | 14.4 | 21.5 |
| 5 11 | 17 23.61 | -25 36.2 | 1.087 | 2.019 | 15.1 | 21.0 | 5 11 | 17 21.25 | -2 38.0 | 1.908 | 2.795 | 12.0 | 21.3 |
| 5 21 | 17 17.66 | -25 16.6 | 1.007 | 1.987 | 10.2 | 20.7 | 5 21 | 17 14.94 | -1 58.9 | 1.840 | 2.778 | 9.6 | 21.1 |
| 5 31 | 17 8.56 | -24 47.0 | 0.948 | 1.956 | 4.5 | 20.2 | 5 31 | 17 7.07 | -1 33.8 | 1.796 | 2.762 | 7.9 | 20.9 |
| 6 10 | 16 57.62 | -24 7.4 | 0.911 | 1.925 | 2.0 | 20.0 | 6 10 | 16 58.43 | -1 26.0 | 1.777 | 2.745 | 7.9 | 20.9 |
| 6 20 | 16 46.59 | -23 20.7 | 0.896 | 1.894 | 8.3 | 20.2 | 6 20 | 16 49.94 | -1 37.3 | 1.783 | 2.728 | 9.7 | 21.0 |
| 6 30 | 16 37.39 | -22 32.8 | 0.902 | 1.865 | 14.5 | 20.4 | 6 30 | 16 42.49 | -2 7.5 | 1.813 | 2.711 | 12.3 | 21.1 |
| 7 10 | 16 31.52 | -21 50.2 | 0.927 | 1.836 | 20.1 | 20.7 | 7 10 | 16 36.83 | -2 54.4 | 1.864 | 2.694 | 15.1 | 21.2 |
| 50045 | 2000 <i>AB</i> ₆₁ | | 6 6.9 22°91 | 2°4/ 6.8 18 | | | 497084 | 2003 <i>WC</i> ₈₃ | | 6 6.9 282°41 | 0°0/ 6.8 18 | | |
| 5 1 | 17 26.92 | -16 50.7 | 1.264 | 2.125 | 18.4 | 17.7 | 5 1 | 17 36.69 | -17 39.1 | 1.622 | 2.449 | 16.6 | 21.6 |
| 5 11 | 17 23.37 | -16 56.3 | 1.202 | 2.131 | 14.2 | 17.4 | 5 11 | 17 31.24 | -18 46.5 | 1.508 | 2.419 | 13.1 | 21.3 |
| 5 21 | 17 16.74 | -17 6.5 | 1.160 | 2.138 | 9.5 | 17.2 | 5 21 | 17 22.41 | -20 5.0 | 1.416 | 2.388 | 8.8 | 20.9 |
| 5 31 | 17 7.86 | -17 21.6 | 1.139 | 2.145 | 4.5 | 16.9 | 5 31 | 17 10.58 | -21 32.2 | 1.349 | 2.356 | 3.8 | 20.6 |
| 6 10 | 16 58.05 | -17 41.9 | 1.142 | 2.154 | 3.0 | 16.9 | 6 10 | 16 56.77 | -23 3.4 | 1.310 | 2.324 | 1.7 | 20.3 |
| 6 20 | 16 48.77 | -18 6.8 | 1.169 | 2.163 | 7.6 | 17.2 | 6 20 | 16 42.43 | -24 33.4 | 1.299 | 2.291 | 7.3 | 20.6 |
| 6 30 | 16 41.36 | -18 36.5 | 1.218 | 2.173 | 12.4 | 17.5 | 6 30 | 16 29.25 | -25 58.3 | 1.315 | 2.258 | 12.6 | 20.8 |
| 7 10 | 16 36.75 | -19 10.6 | 1.288 | 2.183 | 16.5 | 17.7 | 7 10 | 16 18.71 | -27 17.1 | 1.353 | 2.225 | 17.3 | 21.0 |
| 506580 | 2005 <i>VR</i> ₈ | | 6 6.9 239°34 | 1°7/ 7.2 17 | | | 438460 | 2007 <i>BY</i> ₁₀₀ | | 6 6.9 257°83 | 3°0/ 8.0 18 | | |
| 5 1 | 17 31.16 | -25 59.6 | 1.997 | 2.821 | 14.0 | 22.6 | 5 1 | 17 27.36 | -32 56.3 | 2.453 | 3.262 | 12.2 | 21.3 |
| 5 11 | 17 25.96 | -26 25.9 | 1.901 | 2.809 | 11.0 | 22.3 | 5 11 | 17 22.56 | -33 1.1 | 2.360 | 3.255 | 9.7 | 21.2 |
| 5 21 | 17 18.20 | -26 49.3 | 1.827 | 2.796 | 7.4 | 22.1 | 5 21 | 17 15.68 | -32 57.7 | 2.290 | 3.247 | 6.9 | 21.0 |
| 5 31 | 17 8.47 | -27 7.7 | 1.779 | 2.784 | 3.5 | 21.8 | 5 31 | 17 7.33 | -32 44.2 | 2.245 | 3.240 | 4.1 | 20.8 |
| 6 10 | 16 57.75 | -27 19.4 | 1.758 | 2.770 | 2.0 | 21.7 | 6 10 | 16 58.34 | -32 20.2 | 2.227 | 3.232 | 3.1 | 20.7 |
| 6 20 | 16 47.15 | -27 24.2 | 1.765 | 2.757 | 5.8 | 21.9 | 6 20 | 16 49.61 | -31 47.0 | 2.238 | 3.224 | 5.2 | 20.8 |
| 6 30 | 16 37.82 | -27 23.6 | 1.798 | 2.742 | 9.7 | 22.1 | 6 30 | 16 42.01 | -31 7.3 | 2.275 | 3.217 | 8.1 | 21.0 |
| 7 10 | 16 30.68 | -27 20.3 | 1.854 | 2.728 | 13.3 | 22.3 | 7 10 | 16 36.24 | -30 24.7 | 2.337 | 3.209 | 11.0 | 21.2 |
| 360661 | 2004 <i>RD</i> ₇₆ | | 6 6.9 307°37 | 7°0/ 5.7 17 | | | 470561 | 2008 <i>FT</i> ₁₀₅ | | 6 7.0 124°08 | 7°7/ 8.9 18 | | |
| 5 1 | 17 25.34 | -11 3.0 | 1.207 | 2.069 | 19.0 | 20.5 | 5 1 | 17 37.69 | -48 7.6 | 2.852 | 3.583 | 12.5 | 21.3 |
| 5 11 | 17 22.69 | -10 18.2 | 1.118 | 2.043 | 15.4 | 20.1 | 5 11 | 17 30.79 | -49 21.2 | 2.783 | 3.598 | 10.8 | 21.2 |
| 5 21 | 17 16.74 | -9 39.5 | 1.047 | 2.017 | 11.3 | 19.8 | 5 21 | 17 21.25 | -50 21.8 | 2.736 | 3.612 | 9.2 | 21.1 |
| 5 31 | 17 8.07 | -9 12.1 | 0.996 | 1.992 | 7.7 | 19.5 | 5 31 | 17 9.73 | -51 4.3 | 2.713 | 3.626 | 8.1 | 21.0 |
| 6 10 | 16 57.87 | -9 1.3 | 0.967 | 1.967 | 7.4 | 19.4 | 6 10 | 16 57.31 | -51 25.5 | 2.716 | 3.640 | 7.7 | 21.0 |
| 6 20 | 16 47.64 | -9 10.3 | 0.960 | 1.942 | 11.1 | 19.5 | 6 20 | 16 45.16 | -51 25.0 | 2.744 | 3.653 | 8.3 | 21.1 |
| 6 30 | 16 39.03 | -9 40.2 | 0.974 | 1.918 | 15.9 | 19.7 | 6 30 | 16 34.47 | -51 5.4 | 2.798 | 3.666 | 9.5 | 21.2 |
| 7 10 | 16 33.33 | -10 29.2 | 1.006 | 1.894 | 20.6 | 19.9 | 7 10 | 16 26.11 | -50 31.5 | 2.875 | 3.678 | 11.0 | 21.3 |
| 125082 | 2001 <i>UZ</i> ₁₀ | | 6 6.9 159°70 | 3°2/ 5.9 18 | | | 214085 | 2004 <i>HX</i> ₇₄ | | 6 7.0 338°43 | 2°2/ 6.5 18 | | |
| 5 1 | 17 28.45 | -16 26.0 | 2.012 | 2.841 | 13.7 | 20.3 | 5 1 | 17 25.10 | -16 51.8 | 2.059 | 2.894 | 13.3 | 20.3 |
| 5 11 | 17 23.36 | -15 39.3 | 1.935 | 2.846 | 10.7 | 20.1 | 5 11 | 17 20.90 | -16 40.5 | 1.977 | 2.892 | 10.3 | 20.1 |
| 5 21 | 17 16.16 | -14 52.7 | 1.881 | 2.850 | 7.2 | 19.9 | 5 21 | 17 14.64 | -16 31.0 | 1.917 | 2.889 | 6.9 | 19.9 |
| 5 31 | 17 7.50 | -14 8.5 | 1.853 | 2.854 | 4.0 | 19.7 | 5 31 | 17 6.91 | -16 24.2 | 1.883 | 2.887 | 3.4 | 19.7 |
| 6 10 | 16 58.27 | -13 29.3 | 1.852 | 2.857 | 3.6 | 19.7 | 6 10 | 16 58.54 | -16 21.0 | 1.876 | 2.885 | 2.6 | 19.6 |
| 6 20 | 16 49.42 | -12 57.8 | 1.879 | 2.860 | 6.6 | 19.8 | 6 20 | 16 50.43 | -16 22.5 | 1.895 | 2.883 | 5.8 | 19.9 |
| 6 30 | 16 41.82 | -12 35.9 | 1.932 | 2.862 | 10.0 | 20.1 | 6 30 | 16 43.44 | -16 29.3 | 1.941 | 2.882 | 9.3 | 20.1 |
| 7 10 | 16 36.14 | -12 24.5 | 2.007 | 2.864 | 13.1 | 20.3 | 7 10 | 16 38.26 | -16 42.1 | 2.010 | 2.880 | 12.5 | 20.3 |
| 8220 | Nanyou | | 6 6.9 333°99 | 3°8/ 6.3 18 | | | 336147 | 2008 <i>QP</i> ₃₇ | | 6 7.0 182°62 | 5°4/ 8.4 17 | | |
| 5 1 | 17 24.75 | -16 48.0 | 1.160 | 2.031 | 19.0 | 17.5 | 5 1 | 17 33.52 | -38 28.3 | 2.328 | 3.115 | 13.4 | 21.9 |
| 5 11 | 17 22.15 | -16 16.8 | 1.087 | 2.020 | 14.9 | 17.2 | 5 11 | 17 27.58 | -39 3.7 | 2.243 | 3.116 | 11.0 | 21.7 |
| 5 21 | 17 16.24 | -15 47.0 | 1.031 | 2.010 | 10.2 | 16.9 | 5 21 | 17 19.12 | -39 28.4 | 2.179 | 3.116 | 8.4 | 21.5 |
| 5 31 | 17 7.78 | -15 21.8 | 0.996 | 2.001 | 5.4 | 16.6 | 5 31 | 17 8.82 | -39 38.4 | 2.141 | 3.116 | 6.2 | 21.4 |
| 6 10 | 16 58.10 | -15 4.2 | 0.984 | 1.993 | 4.4 | 16.6 | 6 10 | 16 57.72 | -39 31.7 | 2.129 | 3.115 | 5.4 | 21.4 |
| 6 20 | 16 48.77 | -14 56.9 | 0.994 | 1.986 | 9.0 | 16.8 | 6 20 | 16 46.94 | -39 8.5 | 2.145 | 3.113 | 6.8 | 21.4 |
| 6 30 | 16 41.31 | -15 1.9 | 1.025 | 1.979 | 14.1 | 17.0 | 6 30 | 16 37.59 | -38 32.1 | 2.187 | 3.112 | 9.3 | 21.6 |
| 7 10 | 16 36.84 | -15 19.4 | 1.075 | 1.974 | 18.7 | 17.3 | 7 10 | 16 30.48 | -37 47.4 | 2.253 | 3.109 | 11.9 | 21.7 |
| 522608 | 2016 <i>EK</i> ₂₄₉ | | 6 6.9 116°32 | 5°2/ 6.1 17 | | | 506781 | 2007 <i>AF</i> ₁ | | 6 7.0 207°13 | 5°1/ 9.3 18 | | |
| 5 1 | 17 29.28 | -10 33.8 | 1.729 | 2.560 | 15.6 | 21.8 | 5 1 | 17 32.21 | -42 59.0 | 3.077 | 3.834 | 11.1 | 22.2 |
| 5 11 | 17 24.24 | -10 3.1 | 1.663 | 2.570 | 12.3 | 21.6 | 5 11 | 17 25.99 | -43 8.8 | 2.980 | 3.828 | 9.3 | 22.0 |
| 5 21 | 17 16.84 | -9 39.3 | 1.618 | 2.580 | 8.8 | 21.4 | 5 21 | 17 17.77 | -43 6.7 | 2.905 | 3.821 | 7.4 | 21.9 |
| 5 31 | 17 7.80 | -9 24.9 | 1.598 | 2.590 | 5.9 | 21.2 | 5 31 | 17 8.17 | -42 50.0 | 2.856 | 3.814 | 5.8 | 21.7 |
| 6 10 | 16 58.15 | -9 22.2 | 1.604 | 2.600 | 5.5 | 21.2 | 6 10 | 16 58.02 | -42 17.8 | 2.835 | 3.807 | 5.1 | 21.7 |
| 6 20 | 16 48.93 | -9 31.9 | 1.635 | 2.609 | 8.0 | 21.4 | 6 20 | 16 48.21 | -41 31.0 | 2.841 | 3.798 | 6.0 | 21.7 |
| 6 30 | 16 41.14 | -9 53.8 | 1.691 | 2.618 | 11.4 | 21.6 | 6 30 | 16 39.57 | -40 32.5 | 2.876 | 3.790 | 7.7 | 21.8 |
| 7 10 | 16 35.51 | -10 26.7 | 1.770 | 2.627 | 14.6 | 21.9 | 7 10 | 16 32.75 | -39 26.7 | 2.935 | 3.781 | 9.7 | 22.0 |
| 268084 | 2004 <i>RZ</i> ₁₄₈ | | 6 6.9 334°67 | 6°9/ 5.3 18 | | | 397429 | 2007 <i>BM</i> ₈₀ | | 6 7.0 163°73 | 3°3/ 6.3 18 | | |
| 5 1 | 17 25.87 | -7 34.8 | 1.720 | 2.552 | 15.6 | 20.5 | 5 1 | 17 24.71 | -12 13.9 | 2.490 | 3.311 | 11.7 | 21.5 |
| 5 11 | 17 21.74 | -6 40.3 | 1.647 | 2.551 | 12.6 | 20.3 | 5 11 | 17 20.18 | -12 1.5 | 2.408 | 3.313 | 9.1 | 21.3 |
| 5 21 | 17 15.29 | -5 53.7 | 1.595 | 2.550 | 9.6 | 20.1 | 5 21 | 17 13.97 | -11 53.3 | 2.351 | 3.314 | 6.4 | 21.1 |
| 5 31 | 17 7.19 | -5 19.4 | 1.567 | 2.549 | 7.3 | 19.9 | 5 31 | 17 6.58 | -11 50.7 | 2.319 | 3.315 | 3.9 | 21.0 |
| 6 10 | 16 58.40 | -5 0.8 | 1.564 | 2.548 | 7.2 | 19.9 | 6 10 | 16 58.70 | -11 54.7 | 2.315 | 3.316 | 3.5 | 21.0 |
| 6 20 | 16 49.94 | -5 0.0 | 1.585 | 2.547 | 9.4 | 20.1 | 6 20 | 16 51.04 | -12 5.6 | 2.339 | 3.317 | 5.7 | 21.1 |
| 6 30 | 16 42.79 | -5 17.0 | 1.630 | 2.546 | 12.5 | 20.2 | 6 30 | 16 44.30 | -12 23.8 | 2.390 | 3.317 | 8.5 | 21.3 |
| 7 10 | 16 37.70 | -5 49.8 | 1.696 | 2.545 | 15.5 | 20.4 | 7 10 | 16 39.03 | -12 48.6 | 2.464 | 3.318 | 11.1 | 21.5 |
| 100866 | 1998 <i>HM</i> ₆₀ | | 6 6.9 19°69 | 1°8/ 7.4 17 | | | 250042 | 2002 <i>CH</i> ₂₁₀ | | 6 7.0 203°64 | 4°7/ 5.7 18 | | |

EPHEMERIDES

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|------------|---------|------|---------------|-------------------------------|-----------------|--------------|----------|---------|------|
| 471112 | 2010 <i>CO</i> ₃₃ | | 6 7.0 133°60 | 0°3/ 6.9 | 17 | | 332182 | 2006 <i>BG</i> ₁₄₅ | | 6 7.0 162°00 | 4°3/ 8.5 | 17 | |
| 5 1 | 17 28.68 | -21 27.1 | 1.993 | 2.824 | 13.8 | 21.6 | 5 1 | 17 32.88 | -36 15.9 | 2.161 | 2.959 | 14.0 | 20.8 |
| 5 11 | 17 23.73 | -21 33.6 | 1.915 | 2.828 | 10.6 | 21.4 | 5 11 | 17 27.04 | -36 24.0 | 2.079 | 2.964 | 11.3 | 20.6 |
| 5 21 | 17 16.53 | -21 39.2 | 1.860 | 2.833 | 7.0 | 21.2 | 5 21 | 17 18.71 | -36 20.5 | 2.019 | 2.968 | 8.3 | 20.5 |
| 5 31 | 17 7.71 | -21 43.4 | 1.830 | 2.837 | 2.9 | 21.0 | 5 31 | 17 8.64 | -36 2.7 | 1.984 | 2.971 | 5.5 | 20.3 |
| 6 10 | 16 58.22 | -21 46.2 | 1.828 | 2.842 | 1.3 | 20.9 | 6 10 | 16 57.90 | -35 29.6 | 1.976 | 2.975 | 4.4 | 20.2 |
| 6 20 | 16 49.05 | -21 48.1 | 1.853 | 2.846 | 5.4 | 21.2 | 6 20 | 16 47.63 | -34 43.2 | 1.996 | 2.977 | 6.2 | 20.4 |
| 6 30 | 16 41.17 | -21 50.4 | 1.904 | 2.849 | 9.2 | 21.4 | 6 30 | 16 38.88 | -33 47.5 | 2.043 | 2.980 | 9.2 | 20.5 |
| 7 10 | 16 35.30 | -21 54.7 | 1.979 | 2.853 | 12.5 | 21.6 | 7 10 | 16 32.40 | -32 48.0 | 2.113 | 2.982 | 12.1 | 20.7 |
| 390327 | 2013 <i>BB</i> ₅₃ | | 6 7.0 339°55 | 5°0/ 8.3 | 18 | | 308092 | 2004 <i>VQ</i> ₁₂ | | 6 7.0 239°54 | 6°1/ 7.7 | 17 | |
| 5 1 | 17 28.20 | -36 4.6 | 2.011 | 2.823 | 14.4 | 20.3 | 5 1 | 17 35.62 | -34 59.1 | 1.668 | 2.482 | 16.8 | 21.0 |
| 5 11 | 17 23.79 | -36 33.6 | 1.927 | 2.819 | 11.7 | 20.1 | 5 11 | 17 30.35 | -35 55.9 | 1.578 | 2.471 | 13.7 | 20.7 |
| 5 21 | 17 16.79 | -36 52.1 | 1.865 | 2.815 | 8.7 | 19.9 | 5 21 | 17 21.63 | -36 44.1 | 1.508 | 2.460 | 10.3 | 20.5 |
| 5 31 | 17 7.89 | -36 56.7 | 1.826 | 2.811 | 6.0 | 19.7 | 5 31 | 17 10.14 | -37 17.5 | 1.461 | 2.448 | 7.1 | 20.3 |
| 6 10 | 16 58.14 | -36 45.5 | 1.813 | 2.808 | 5.1 | 19.7 | 6 10 | 16 57.18 | -37 31.2 | 1.440 | 2.435 | 6.2 | 20.2 |
| 6 20 | 16 48.71 | -36 19.3 | 1.826 | 2.805 | 6.9 | 19.8 | 6 20 | 16 44.38 | -37 24.1 | 1.444 | 2.422 | 8.5 | 20.3 |
| 6 30 | 16 40.75 | -35 41.4 | 1.864 | 2.802 | 9.8 | 19.9 | 6 30 | 16 33.40 | -36 59.3 | 1.473 | 2.409 | 12.1 | 20.5 |
| 7 10 | 16 35.10 | -34 56.8 | 1.925 | 2.800 | 12.8 | 20.1 | 7 10 | 16 25.46 | -36 23.5 | 1.523 | 2.395 | 15.7 | 20.7 |
| 144759 | 2004 <i>HH</i> ₉ | | 6 7.0 82°18 | 2°7/ 6.3 | 17 | | 250549 | 2004 <i>RA</i> ₈₈ | | 6 7.0 186°62 | 1°6/ 6.5 | 18 | |
| 5 1 | 17 29.12 | -18 51.3 | 1.596 | 2.440 | 16.1 | 20.1 | 5 1 | 17 24.59 | -18 37.4 | 2.470 | 3.298 | 11.6 | 21.2 |
| 5 11 | 17 24.33 | -18 6.7 | 1.532 | 2.452 | 12.4 | 19.9 | 5 11 | 17 20.15 | -18 16.4 | 2.386 | 3.298 | 8.9 | 21.0 |
| 5 21 | 17 16.98 | -17 20.9 | 1.489 | 2.464 | 8.2 | 19.7 | 5 21 | 17 13.99 | -17 55.1 | 2.326 | 3.297 | 5.9 | 20.8 |
| 5 31 | 17 7.89 | -16 36.2 | 1.471 | 2.475 | 4.0 | 19.5 | 5 31 | 17 6.62 | -17 34.5 | 2.292 | 3.297 | 2.8 | 20.6 |
| 6 10 | 16 58.19 | -15 55.5 | 1.478 | 2.487 | 3.2 | 19.4 | 6 10 | 16 58.76 | -17 15.7 | 2.286 | 3.297 | 2.1 | 20.5 |
| 6 20 | 16 49.05 | -15 21.9 | 1.511 | 2.499 | 7.0 | 19.7 | 6 20 | 16 51.15 | -17 0.2 | 2.309 | 3.296 | 5.0 | 20.7 |
| 6 30 | 16 41.54 | -14 57.9 | 1.569 | 2.511 | 11.1 | 20.0 | 6 30 | 16 44.49 | -16 49.1 | 2.358 | 3.296 | 8.1 | 20.9 |
| 7 10 | 16 36.39 | -14 44.8 | 1.649 | 2.522 | 14.6 | 20.2 | 7 10 | 16 39.37 | -16 43.5 | 2.431 | 3.295 | 10.9 | 21.1 |
| 235165 | 2003 <i>SO</i> ₂₄ | | 6 7.0 240°39 | 8°4/ 4.8 | 18 | | 272766 | 2005 <i>YO</i> ₁₇₂ | | 6 7.0 169°93 | 5°0/ 8.0 | 18 | |
| 5 1 | 17 25.81 | -0 22.3 | 2.079 | 2.881 | 14.3 | 20.4 | 5 1 | 17 33.84 | -35 52.9 | 2.166 | 2.964 | 14.0 | 21.0 |
| 5 11 | 17 21.34 | +0 30.8 | 2.000 | 2.874 | 12.1 | 20.2 | 5 11 | 17 27.96 | -36 37.6 | 2.084 | 2.967 | 11.3 | 20.9 |
| 5 21 | 17 14.90 | +1 12.2 | 1.942 | 2.867 | 10.0 | 20.1 | 5 21 | 17 19.47 | -37 13.1 | 2.024 | 2.970 | 8.5 | 20.7 |
| 5 31 | 17 7.03 | +1 37.5 | 1.908 | 2.860 | 8.6 | 20.0 | 5 31 | 17 9.03 | -37 35.3 | 1.990 | 2.972 | 5.9 | 20.5 |
| 6 10 | 16 58.53 | +1 43.4 | 1.899 | 2.852 | 8.7 | 20.0 | 6 10 | 16 57.72 | -37 41.7 | 1.982 | 2.974 | 5.1 | 20.5 |
| 6 20 | 16 50.25 | +1 28.6 | 1.915 | 2.844 | 10.1 | 20.0 | 6 20 | 16 46.73 | -37 32.2 | 2.001 | 2.975 | 6.8 | 20.6 |
| 6 30 | 16 43.02 | +0 54.0 | 1.955 | 2.836 | 12.3 | 20.2 | 6 30 | 16 37.20 | -37 9.5 | 2.047 | 2.976 | 9.6 | 20.8 |
| 7 10 | 16 37.52 | +0 2.2 | 2.015 | 2.828 | 14.7 | 20.3 | 7 10 | 16 29.99 | -36 38.5 | 2.116 | 2.976 | 12.4 | 20.9 |
| 131693 | 2001 <i>XC</i> ₂₃₉ | | 6 7.0 180°81 | 0°8/ 7.2 | 18 | | 431270 | 2006 <i>UX</i> ₉₁ | | 6 7.0 211°93 | 0°8/ 7.2 | 17 | |
| 5 1 | 17 33.35 | -24 40.6 | 1.732 | 2.562 | 15.6 | 20.5 | 5 1 | 17 31.79 | -25 0.3 | 2.052 | 2.874 | 13.8 | 22.6 |
| 5 11 | 17 27.78 | -24 49.9 | 1.652 | 2.563 | 12.1 | 20.3 | 5 11 | 17 26.27 | -25 8.4 | 1.960 | 2.867 | 10.7 | 22.4 |
| 5 21 | 17 19.43 | -24 55.6 | 1.592 | 2.564 | 8.0 | 20.0 | 5 21 | 17 18.32 | -25 12.9 | 1.890 | 2.860 | 7.1 | 22.2 |
| 5 31 | 17 9.01 | -24 56.1 | 1.558 | 2.564 | 3.5 | 19.7 | 5 31 | 17 8.55 | -25 12.6 | 1.846 | 2.852 | 3.2 | 21.9 |
| 6 10 | 16 57.69 | -24 50.7 | 1.550 | 2.564 | 1.6 | 19.6 | 6 10 | 16 57.92 | -25 6.9 | 1.829 | 2.843 | 1.5 | 21.8 |
| 6 20 | 16 46.73 | -24 40.5 | 1.569 | 2.562 | 6.1 | 19.9 | 6 20 | 16 47.52 | -24 56.5 | 1.841 | 2.833 | 5.5 | 22.0 |
| 6 30 | 16 37.36 | -24 27.8 | 1.614 | 2.561 | 10.5 | 20.1 | 6 30 | 16 38.39 | -24 43.6 | 1.879 | 2.823 | 9.4 | 22.2 |
| 7 10 | 16 30.50 | -24 16.0 | 1.682 | 2.558 | 14.3 | 20.4 | 7 10 | 16 31.38 | -24 30.9 | 1.941 | 2.812 | 12.9 | 22.4 |
| 436235 | 2010 <i>AB</i> ₆₇ | | 6 7.0 36°76 | 6°2/ 8.8 | 18 | | 462813 | 2010 <i>RU</i> ₇₈ | | 6 7.0 250°29 | 5°1/ 5.9 | 17 | |
| 5 1 | 17 30.90 | -38 29.5 | 1.745 | 2.556 | 16.3 | 20.3 | 5 1 | 17 28.85 | -12 19.0 | 1.642 | 2.479 | 16.0 | 21.5 |
| 5 11 | 17 26.19 | -38 55.7 | 1.673 | 2.561 | 13.4 | 20.1 | 5 11 | 17 24.36 | -11 39.8 | 1.556 | 2.468 | 12.7 | 21.3 |
| 5 21 | 17 18.47 | -39 7.7 | 1.621 | 2.567 | 10.2 | 19.9 | 5 21 | 17 17.24 | -11 4.9 | 1.490 | 2.457 | 9.1 | 21.0 |
| 5 31 | 17 8.60 | -39 1.1 | 1.592 | 2.573 | 7.3 | 19.8 | 5 31 | 17 8.14 | -10 37.3 | 1.449 | 2.445 | 5.8 | 20.8 |
| 6 10 | 16 57.89 | -38 34.3 | 1.588 | 2.579 | 6.2 | 19.7 | 6 10 | 16 58.09 | -10 20.3 | 1.433 | 2.433 | 5.5 | 20.8 |
| 6 20 | 16 47.75 | -37 48.9 | 1.609 | 2.586 | 7.8 | 19.9 | 6 20 | 16 48.26 | -10 15.8 | 1.443 | 2.420 | 8.5 | 20.9 |
| 6 30 | 16 39.48 | -36 50.1 | 1.655 | 2.593 | 10.8 | 20.0 | 6 30 | 16 39.82 | -10 25.1 | 1.476 | 2.408 | 12.4 | 21.1 |
| 7 10 | 16 33.96 | -35 44.9 | 1.722 | 2.600 | 13.9 | 20.3 | 7 10 | 16 33.66 | -10 47.6 | 1.531 | 2.395 | 16.1 | 21.3 |
| 126352 | 2002 <i>AO</i> ₁₆₇ | | 6 7.0 186°99 | 11°2/ 10.9 | 18 | | 29935 | 1999 <i>JH</i> ₄₈ | | 6 7.0 109°38 | 0°5/ 7.2 | 18 | |
| 5 1 | 17 40.98 | -53 7.4 | 2.017 | 2.746 | 17.0 | 19.6 | 5 1 | 17 32.11 | -26 48.0 | 1.975 | 2.797 | 14.2 | 19.0 |
| 5 11 | 17 34.67 | -54 6.5 | 1.941 | 2.746 | 15.2 | 19.5 | 5 11 | 17 26.18 | -26 16.7 | 1.908 | 2.815 | 11.0 | 18.8 |
| 5 21 | 17 24.42 | -54 45.2 | 1.882 | 2.745 | 13.3 | 19.3 | 5 21 | 17 17.97 | -25 38.2 | 1.863 | 2.833 | 7.2 | 18.6 |
| 5 31 | 17 11.21 | -54 55.6 | 1.844 | 2.745 | 11.9 | 19.2 | 5 31 | 17 8.28 | -24 52.9 | 1.845 | 2.851 | 3.1 | 18.4 |
| 6 10 | 16 56.78 | -54 33.0 | 1.828 | 2.744 | 11.2 | 19.2 | 6 10 | 16 58.14 | -24 2.6 | 1.854 | 2.868 | 1.3 | 18.3 |
| 6 20 | 16 43.09 | -53 37.6 | 1.835 | 2.744 | 11.7 | 19.2 | 6 20 | 16 48.59 | -23 10.3 | 1.892 | 2.885 | 5.3 | 18.6 |
| 6 30 | 16 31.94 | -52 15.0 | 1.866 | 2.743 | 13.1 | 19.3 | 6 30 | 16 40.57 | -22 19.9 | 1.957 | 2.901 | 9.1 | 18.9 |
| 7 10 | 16 24.41 | -50 34.8 | 1.917 | 2.741 | 14.9 | 19.4 | 7 10 | 16 34.72 | -21 34.9 | 2.046 | 2.917 | 12.3 | 19.1 |
| 51538 | 2001 <i>FA</i> ₁₄₃ | | 6 7.0 344°85 | 0°7/ 6.9 | 18 | | 118433 | 1999 <i>TN</i> ₂₃₅ | | 6 7.0 277°56 | 0°6/ 7.1 | 18 | |
| 5 1 | 17 26.45 | -18 41.4 | 1.519 | 2.370 | 16.3 | 18.4 | 5 1 | 17 26.42 | -24 4.5 | 2.371 | 3.196 | 12.1 | 20.0 |
| 5 11 | 17 22.86 | -19 14.5 | 1.438 | 2.362 | 12.7 | 18.1 | 5 11 | 17 21.90 | -24 19.1 | 2.271 | 3.181 | 9.4 | 19.8 |
| 5 21 | 17 16.44 | -19 52.0 | 1.378 | 2.355 | 8.4 | 17.8 | 5 21 | 17 15.35 | -24 31.8 | 2.195 | 3.166 | 6.2 | 19.6 |
| 5 31 | 17 7.85 | -20 32.8 | 1.341 | 2.349 | 3.6 | 17.5 | 5 31 | 17 7.30 | -24 41.7 | 2.145 | 3.151 | 2.7 | 19.3 |
| 6 10 | 16 58.18 | -21 15.2 | 1.330 | 2.344 | 1.7 | 17.4 | 6 10 | 16 58.49 | -24 48.2 | 2.122 | 3.136 | 1.3 | 19.2 |
| 6 20 | 16 48.72 | -21 57.5 | 1.344 | 2.339 | 6.6 | 17.7 | 6 20 | 16 49.79 | -24 51.4 | 2.128 | 3.121 | 4.8 | 19.4 |
| 6 30 | 16 40.76 | -22 39.2 | 1.381 | 2.335 | 11.3 | 17.9 | 6 30 | 16 42.07 | -24 52.5 | 2.160 | 3.105 | 8.3 | 19.6 |
| 7 10 | 16 35.30 | -23 20.4 | 1.441 | 2.332 | 15.3 | 18.2 | 7 10 | 16 36.06 | -24 53.1 | 2.217 | 3.090 | 11.4 | 19.8 |
| 101951 | 1999 <i>RK</i> ₃₁ | | 6 7.0 256°26 | 3°2/ 7.6 | 18 | | 510349 | 2011 <i>SJ</i> | | | | | |

EPHEMERIDES

6 7.0

6 7.0

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 334689 | 2003 <i>BN</i> ₅₀ | | 6 7.0 133°33 | 1.5°/ 7.4 | 17 | R | 206481 | 2003 <i>UL</i> ₅₈ | | 6 7.0 290°25 | 0°0/ 6.8 | 18 | |
| 5 1 | 17 31.51 | -27 28.4 | 1.916 | 2.741 | 14.5 | 21.4 | 5 1 | 17 27.15 | -24 11.8 | 1.836 | 2.674 | 14.5 | 20.7 |
| 5 11 | 17 26.02 | -27 26.6 | 1.843 | 2.750 | 11.3 | 21.2 | 5 11 | 17 22.99 | -23 53.5 | 1.741 | 2.658 | 11.3 | 20.4 |
| 5 21 | 17 18.06 | -27 18.5 | 1.791 | 2.760 | 7.5 | 21.0 | 5 21 | 17 16.33 | -23 30.1 | 1.668 | 2.642 | 7.5 | 20.2 |
| 5 31 | 17 8.39 | -27 2.8 | 1.764 | 2.769 | 3.5 | 20.8 | 5 31 | 17 7.78 | -23 1.6 | 1.619 | 2.626 | 3.2 | 19.9 |
| 6 10 | 16 58.07 | -26 39.8 | 1.764 | 2.777 | 1.8 | 20.7 | 6 10 | 16 58.34 | -22 29.0 | 1.597 | 2.611 | 1.4 | 19.7 |
| 6 20 | 16 48.22 | -26 11.2 | 1.792 | 2.785 | 5.6 | 20.9 | 6 20 | 16 49.11 | -21 54.6 | 1.601 | 2.595 | 5.9 | 20.0 |
| 6 30 | 16 39.87 | -25 40.2 | 1.846 | 2.793 | 9.4 | 21.2 | 6 30 | 16 41.19 | -21 21.5 | 1.631 | 2.580 | 10.2 | 20.2 |
| 7 10 | 16 33.78 | -25 10.3 | 1.924 | 2.800 | 12.8 | 21.4 | 7 10 | 16 35.46 | -20 53.1 | 1.683 | 2.564 | 14.0 | 20.4 |
| 215237 | 2001 <i>DJ</i> ₂ | | 6 7.0 203°33 | 3.4°/ 7.9 | 18 | | 187547 | 2006 <i>UG</i> ₂₃₀ | | 6 7.0 97°82 | 6°3/ 4.7 | 17 | |
| 5 1 | 17 30.96 | -32 51.4 | 2.243 | 3.050 | 13.2 | 20.9 | 5 1 | 17 25.88 | - 2 28.9 | 2.749 | 3.541 | 11.5 | 21.2 |
| 5 11 | 17 25.55 | -33 8.7 | 2.153 | 3.047 | 10.6 | 20.8 | 5 11 | 17 20.67 | - 1 25.7 | 2.698 | 3.569 | 9.5 | 21.1 |
| 5 21 | 17 17.79 | -33 17.7 | 2.086 | 3.043 | 7.5 | 20.6 | 5 21 | 17 14.08 | - 0 31.1 | 2.672 | 3.596 | 7.6 | 21.1 |
| 5 31 | 17 8.32 | -33 15.9 | 2.045 | 3.039 | 4.6 | 20.4 | 5 31 | 17 6.62 | + 0 11.8 | 2.671 | 3.623 | 6.4 | 21.0 |
| 6 10 | 16 58.08 | -33 2.3 | 2.031 | 3.034 | 3.5 | 20.3 | 6 10 | 16 58.92 | + 0 40.9 | 2.698 | 3.649 | 6.5 | 21.1 |
| 6 20 | 16 48.14 | -32 37.5 | 2.044 | 3.029 | 5.7 | 20.4 | 6 20 | 16 51.56 | + 0 55.0 | 2.752 | 3.675 | 7.7 | 21.2 |
| 6 30 | 16 39.49 | -32 4.5 | 2.084 | 3.024 | 8.9 | 20.6 | 6 30 | 16 45.13 | + 0 54.4 | 2.831 | 3.700 | 9.4 | 21.3 |
| 7 10 | 16 32.93 | -31 27.5 | 2.149 | 3.018 | 11.9 | 20.8 | 7 10 | 16 40.03 | + 0 40.5 | 2.933 | 3.724 | 11.1 | 21.5 |
| 284555 | 2007 <i>SS</i> ₉ | | 6 7.0 345°97 | 3.7°/ 6.3 | 17 | | 489434 | 2006 <i>WC</i> ₇₁ | | 6 7.0 306°98 | 0°9/ 7.2 | 17 | |
| 5 1 | 17 24.52 | -14 41.6 | 1.614 | 2.463 | 15.6 | 20.1 | 5 1 | 17 27.15 | -25 24.5 | 1.386 | 2.240 | 17.5 | 21.5 |
| 5 11 | 17 21.02 | -14 21.2 | 1.537 | 2.458 | 12.3 | 19.8 | 5 11 | 17 23.97 | -25 22.1 | 1.293 | 2.218 | 13.7 | 21.2 |
| 5 21 | 17 15.03 | -14 4.6 | 1.480 | 2.453 | 8.4 | 19.6 | 5 21 | 17 17.53 | -25 14.0 | 1.219 | 2.196 | 9.2 | 20.9 |
| 5 31 | 17 7.20 | -13 53.9 | 1.446 | 2.448 | 4.7 | 19.4 | 5 31 | 17 8.48 | -24 58.6 | 1.167 | 2.175 | 4.1 | 20.5 |
| 6 10 | 16 58.55 | -13 50.9 | 1.438 | 2.444 | 4.1 | 19.3 | 6 10 | 16 58.03 | -24 36.0 | 1.140 | 2.154 | 1.8 | 20.3 |
| 6 20 | 16 50.20 | -13 56.9 | 1.454 | 2.441 | 7.4 | 19.5 | 6 20 | 16 47.70 | -24 7.9 | 1.136 | 2.133 | 7.3 | 20.6 |
| 6 30 | 16 43.22 | -14 12.3 | 1.495 | 2.438 | 11.4 | 19.7 | 6 30 | 16 39.06 | -23 38.3 | 1.155 | 2.113 | 12.6 | 20.8 |
| 7 10 | 16 38.46 | -14 36.9 | 1.556 | 2.436 | 15.0 | 19.9 | 7 10 | 16 33.30 | -23 11.8 | 1.195 | 2.093 | 17.3 | 21.0 |
| 353143 | 2009 <i>HT</i> ₁₁ | | 6 7.0 332°80 | 1°2/ 6.8 | 16 | | 201682 | 2003 <i>UB</i> ₉₆ | | 6 7.0 247°10 | 2°5/ 7.5 | 17 | |
| 5 1 | 17 26.10 | -18 27.6 | 2.096 | 2.929 | 13.1 | 21.0 | 5 1 | 17 29.53 | -28 27.8 | 1.986 | 2.810 | 14.1 | 20.3 |
| 5 11 | 17 21.72 | -18 37.6 | 2.012 | 2.926 | 10.2 | 20.8 | 5 11 | 17 24.71 | -28 55.9 | 1.899 | 2.806 | 11.1 | 20.1 |
| 5 21 | 17 15.24 | -18 49.2 | 1.950 | 2.923 | 6.7 | 20.6 | 5 21 | 17 17.40 | -29 19.2 | 1.835 | 2.802 | 7.6 | 19.9 |
| 5 31 | 17 7.24 | -19 2.6 | 1.914 | 2.920 | 3.0 | 20.3 | 5 31 | 17 8.23 | -29 35.2 | 1.796 | 2.798 | 4.0 | 19.7 |
| 6 10 | 16 58.54 | -19 17.5 | 1.905 | 2.918 | 1.8 | 20.2 | 6 10 | 16 58.19 | -29 42.3 | 1.784 | 2.794 | 2.7 | 19.6 |
| 6 20 | 16 50.06 | -19 34.1 | 1.924 | 2.916 | 5.4 | 20.5 | 6 20 | 16 48.39 | -29 40.5 | 1.799 | 2.789 | 5.8 | 19.8 |
| 6 30 | 16 42.69 | -19 52.6 | 1.969 | 2.913 | 9.0 | 20.7 | 6 30 | 16 39.92 | -29 31.9 | 1.839 | 2.785 | 9.5 | 20.0 |
| 7 10 | 16 37.15 | -20 13.7 | 2.037 | 2.911 | 12.2 | 20.9 | 7 10 | 16 33.64 | -29 19.7 | 1.903 | 2.780 | 12.8 | 20.2 |
| 504417 | 2007 <i>YF</i> ₆₆ | | 6 7.0 141°30 | 1°7/ 7.6 | 18 | | 438431 | 2006 <i>WW</i> ₃ | | 6 7.0 311°89 | 7°7/ 10.2 | 18 | |
| 5 1 | 17 28.27 | -29 13.6 | 2.702 | 3.511 | 11.2 | 22.6 | 5 1 | 17 32.50 | -45 10.9 | 1.997 | 2.774 | 15.7 | 19.8 |
| 5 11 | 17 22.87 | -29 12.4 | 2.623 | 3.521 | 8.7 | 22.4 | 5 11 | 17 27.61 | -45 15.7 | 1.891 | 2.748 | 13.4 | 19.6 |
| 5 21 | 17 15.71 | -29 5.3 | 2.567 | 3.531 | 5.9 | 22.3 | 5 21 | 17 19.59 | -45 1.5 | 1.804 | 2.723 | 11.0 | 19.3 |
| 5 31 | 17 7.35 | -28 51.5 | 2.538 | 3.540 | 3.0 | 22.1 | 5 31 | 17 9.21 | -44 22.9 | 1.739 | 2.698 | 8.7 | 19.1 |
| 6 10 | 16 58.54 | -28 31.2 | 2.538 | 3.549 | 1.8 | 22.0 | 6 10 | 16 57.78 | -43 17.4 | 1.699 | 2.673 | 7.7 | 19.0 |
| 6 20 | 16 50.06 | -28 5.5 | 2.567 | 3.557 | 4.3 | 22.2 | 6 20 | 16 46.77 | -41 46.5 | 1.684 | 2.649 | 8.7 | 19.0 |
| 6 30 | 16 42.63 | -27 36.5 | 2.624 | 3.565 | 7.2 | 22.4 | 6 30 | 16 37.58 | -39 56.3 | 1.696 | 2.625 | 11.2 | 19.1 |
| 7 10 | 16 36.82 | -27 7.0 | 2.706 | 3.573 | 9.8 | 22.6 | 7 10 | 16 31.19 | -37 55.9 | 1.730 | 2.601 | 14.2 | 19.3 |
| 338744 | 2003 <i>UF</i> ₁₆₁ | | 6 7.0 305°33 | 5°7/ 7.3 | 17 | | 157319 | 2004 <i>ST</i> ₄₇ | | 6 7.0 339°49 | 4°0/ 8.2 | 18 | |
| 5 1 | 17 31.74 | -33 41.7 | 1.819 | 2.636 | 15.5 | 20.5 | 5 1 | 17 25.23 | -32 58.7 | 1.347 | 2.196 | 18.1 | 18.7 |
| 5 11 | 17 27.04 | -34 55.4 | 1.732 | 2.628 | 12.6 | 20.2 | 5 11 | 17 22.56 | -32 54.4 | 1.265 | 2.183 | 14.5 | 18.4 |
| 5 21 | 17 19.31 | -36 3.3 | 1.666 | 2.619 | 9.4 | 20.0 | 5 21 | 17 16.55 | -32 35.6 | 1.202 | 2.171 | 10.3 | 18.1 |
| 5 31 | 17 9.15 | -36 59.5 | 1.624 | 2.611 | 6.5 | 19.8 | 5 31 | 17 8.00 | -31 59.6 | 1.160 | 2.160 | 6.0 | 17.9 |
| 6 10 | 16 57.70 | -37 39.5 | 1.608 | 2.602 | 5.8 | 19.8 | 6 10 | 16 58.29 | -31 6.0 | 1.142 | 2.151 | 4.1 | 17.7 |
| 6 20 | 16 46.34 | -38 1.1 | 1.618 | 2.594 | 8.0 | 19.9 | 6 20 | 16 49.02 | -29 58.5 | 1.147 | 2.142 | 7.6 | 17.9 |
| 6 30 | 16 36.51 | -38 5.8 | 1.653 | 2.586 | 11.2 | 20.0 | 6 30 | 16 41.71 | -28 43.7 | 1.175 | 2.134 | 12.2 | 18.1 |
| 7 10 | 16 29.32 | -37 58.3 | 1.710 | 2.578 | 14.4 | 20.2 | 7 10 | 16 37.40 | -27 29.8 | 1.223 | 2.127 | 16.5 | 18.4 |
| 390304 | 2013 <i>AW</i> ₈₆ | | 6 7.0 316°65 | 2°5/ 6.7 | 18 | | 323328 | 2003 <i>UJ</i> ₁₆₄ | | 6 7.0 242°61 | 3°4/ 5.7 | 18 | |
| 5 1 | 17 26.15 | -14 51.0 | 2.001 | 2.835 | 13.7 | 20.4 | 5 1 | 17 22.94 | -12 24.4 | 2.785 | 3.605 | 10.6 | 21.0 |
| 5 11 | 17 21.87 | -14 59.5 | 1.914 | 2.827 | 10.7 | 20.1 | 5 11 | 17 18.72 | -11 47.8 | 2.696 | 3.598 | 8.3 | 20.8 |
| 5 21 | 17 15.42 | -15 12.7 | 1.848 | 2.819 | 7.2 | 19.9 | 5 21 | 17 13.01 | -11 13.7 | 2.630 | 3.591 | 5.9 | 20.6 |
| 5 31 | 17 7.36 | -15 31.2 | 1.808 | 2.811 | 3.8 | 19.7 | 5 31 | 17 6.26 | -10 43.9 | 2.591 | 3.584 | 3.9 | 20.5 |
| 6 10 | 16 58.52 | -15 54.9 | 1.795 | 2.804 | 2.9 | 19.6 | 6 10 | 16 59.06 | -10 20.3 | 2.581 | 3.577 | 3.7 | 20.5 |
| 6 20 | 16 49.86 | -16 23.8 | 1.809 | 2.797 | 6.0 | 19.8 | 6 20 | 16 52.03 | -10 4.4 | 2.598 | 3.570 | 5.6 | 20.6 |
| 6 30 | 16 42.31 | -16 57.4 | 1.849 | 2.790 | 9.7 | 20.0 | 6 30 | 16 45.79 | - 9 56.9 | 2.642 | 3.562 | 8.1 | 20.7 |
| 7 10 | 16 36.63 | -17 35.3 | 1.912 | 2.784 | 13.0 | 20.2 | 7 10 | 16 40.84 | - 9 58.1 | 2.711 | 3.555 | 10.5 | 20.9 |
| 59547 | 1999 <i>JS</i> ₃₅ | | 6 7.0 78°86 | 3°9/ 6.0 | 18 | | 367702 | 2010 <i>RO</i> ₁₈₄ | | 6 7.0 270°51 | 5°1/ 6.0 | 18 | |
| 5 1 | 17 28.38 | -15 16.1 | 1.680 | 2.520 | 15.6 | 18.8 | 5 1 | 17 28.29 | -12 25.1 | 1.575 | 2.416 | 16.4 | 20.8 |
| 5 11 | 17 23.60 | -14 30.9 | 1.619 | 2.534 | 12.1 | 18.6 | 5 11 | 17 24.11 | -11 49.6 | 1.488 | 2.402 | 13.0 | 20.5 |
| 5 21 | 17 16.45 | -13 47.9 | 1.579 | 2.549 | 8.3 | 18.4 | 5 21 | 17 17.21 | -11 18.7 | 1.421 | 2.388 | 9.3 | 20.3 |
| 5 31 | 17 7.71 | -13 9.9 | 1.563 | 2.563 | 4.8 | 18.2 | 5 31 | 17 8.22 | -10 55.6 | 1.377 | 2.374 | 5.9 | 20.0 |
| 6 10 | 16 58.42 | -12 39.7 | 1.574 | 2.578 | 4.3 | 18.2 | 6 10 | 16 58.20 | -10 43.3 | 1.359 | 2.360 | 5.5 | 20.0 |
| 6 20 | 16 49.66 | -12 19.6 | 1.611 | 2.592 | 7.4 | 18.4 | 6 20 | 16 48.37 | -10 43.7 | 1.366 | 2.345 | 8.7 | 20.1 |
| 6 30 | 16 42.41 | -12 10.9 | 1.672 | 2.607 | 11.0 | 18.7 | 6 30 | 16 39.95 | -10 57.9 | 1.396 | 2.331 | 12.7 | 20.3 |
| 7 10 | 16 37.33 | -12 13.7 | 1.755 | 2.621 | 14.3 | 18.9 | 7 10 | 16 33.89 | -11 25.1 | 1.447 | 2.316 | 16.6 | 20.5 |
| 168907 | 2000 <i>XN</i> ₁₉ | | 6 7.0 186°31 | 4°3/ 7.9 | 18 | | 350840 | 2002 <i>FF</i> | | | | | |

EPHEMERIDES

6 7.0

6 7.1

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|----------|---------|------|
| 414071 | 2007 <i>TN</i> ₅₄ | | 6 7.0 209°28 | 0°2/ 6.9 | 17 | | 248822 | 2006 <i>SO</i> ₂₇₀ | | 6 7.0 217°57 | 1°8/ 6.5 | 17 | |
| 5 1 | 17 32.26 | -22 32.6 | 1.874 | 2.701 | 14.7 | 22.2 | 5 1 | 17 30.76 | -19 20.8 | 2.055 | 2.880 | 13.7 | 21.7 |
| 5 11 | 17 26.82 | -22 30.5 | 1.784 | 2.696 | 11.4 | 22.0 | 5 11 | 17 25.38 | -18 56.1 | 1.961 | 2.871 | 10.6 | 21.5 |
| 5 21 | 17 18.79 | -22 26.0 | 1.717 | 2.689 | 7.5 | 21.8 | 5 21 | 17 17.71 | -18 29.9 | 1.890 | 2.861 | 7.1 | 21.3 |
| 5 31 | 17 8.83 | -22 18.4 | 1.675 | 2.682 | 3.2 | 21.5 | 5 31 | 17 8.35 | -18 3.2 | 1.845 | 2.850 | 3.3 | 21.0 |
| 6 10 | 16 57.97 | -22 8.0 | 1.660 | 2.674 | 1.4 | 21.3 | 6 10 | 16 58.22 | -17 37.4 | 1.828 | 2.839 | 2.3 | 20.9 |
| 6 20 | 16 47.37 | -21 55.8 | 1.673 | 2.666 | 5.9 | 21.6 | 6 20 | 16 48.30 | -17 14.4 | 1.839 | 2.827 | 6.0 | 21.1 |
| 6 30 | 16 38.15 | -21 43.9 | 1.712 | 2.656 | 10.1 | 21.8 | 6 30 | 16 39.59 | -16 56.4 | 1.876 | 2.814 | 9.8 | 21.4 |
| 7 10 | 16 31.20 | -21 35.0 | 1.774 | 2.646 | 13.8 | 22.1 | 7 10 | 16 32.87 | -16 45.1 | 1.937 | 2.801 | 13.2 | 21.5 |
| 48816 | 1997 <i>WP</i> ₃ | | 6 7.0 254°62 | 3°8/ 7.5 | 18 | | 306716 | 2000 <i>WT</i> ₅₂ | | 6 7.0 254°16 | 1°0/ 6.7 | 18 | |
| 5 1 | 17 31.62 | -30 16.2 | 1.785 | 2.610 | 15.4 | 18.4 | 5 1 | 17 25.58 | -21 42.9 | 2.389 | 3.216 | 11.9 | 20.7 |
| 5 11 | 17 26.76 | -31 1.5 | 1.699 | 2.603 | 12.2 | 18.2 | 5 11 | 17 21.08 | -21 13.4 | 2.298 | 3.209 | 9.2 | 20.6 |
| 5 21 | 17 19.00 | -31 41.4 | 1.634 | 2.597 | 8.6 | 17.9 | 5 21 | 17 14.71 | -20 40.8 | 2.229 | 3.202 | 6.0 | 20.3 |
| 5 31 | 17 9.00 | -32 11.9 | 1.593 | 2.591 | 5.1 | 17.7 | 5 31 | 17 7.04 | -20 6.1 | 2.187 | 3.194 | 2.6 | 20.1 |
| 6 10 | 16 57.88 | -32 30.0 | 1.579 | 2.584 | 3.9 | 17.6 | 6 10 | 16 58.80 | -19 30.6 | 2.173 | 3.186 | 1.6 | 20.0 |
| 6 20 | 16 46.98 | -32 35.0 | 1.591 | 2.578 | 6.8 | 17.8 | 6 20 | 16 50.80 | -18 56.5 | 2.188 | 3.178 | 4.9 | 20.2 |
| 6 30 | 16 37.61 | -32 29.0 | 1.628 | 2.571 | 10.6 | 18.0 | 6 30 | 16 43.81 | -18 26.0 | 2.229 | 3.170 | 8.3 | 20.4 |
| 7 10 | 16 30.79 | -32 16.2 | 1.687 | 2.565 | 14.2 | 18.2 | 7 10 | 16 38.44 | -18 1.0 | 2.295 | 3.162 | 11.3 | 20.6 |
| 134553 | 1999 <i>RK</i> ₁₆₅ | | 6 7.0 227°67 | 1°1/ 7.3 | 18 | R | 423600 | 2005 <i>WS</i> ₂₆ | | 6 7.0 309°43 | 0°5/ 6.8 | 17 | |
| 5 1 | 17 32.48 | -26 9.4 | 2.024 | 2.845 | 14.0 | 21.4 | 5 1 | 17 28.00 | -25 40.1 | 1.575 | 2.419 | 16.2 | 20.2 |
| 5 11 | 17 26.94 | -26 9.7 | 1.926 | 2.832 | 11.0 | 21.2 | 5 11 | 17 23.95 | -24 46.0 | 1.488 | 2.408 | 12.6 | 19.9 |
| 5 21 | 17 18.86 | -26 5.1 | 1.850 | 2.819 | 7.3 | 20.9 | 5 21 | 17 17.08 | -23 41.6 | 1.421 | 2.397 | 8.3 | 19.6 |
| 5 31 | 17 8.87 | -25 54.1 | 1.800 | 2.805 | 3.3 | 20.6 | 5 31 | 17 8.15 | -22 28.1 | 1.379 | 2.387 | 3.5 | 19.3 |
| 6 10 | 16 57.95 | -25 36.3 | 1.777 | 2.790 | 1.6 | 20.5 | 6 10 | 16 58.33 | -21 9.0 | 1.362 | 2.376 | 1.7 | 19.2 |
| 6 20 | 16 47.22 | -25 13.0 | 1.782 | 2.775 | 5.6 | 20.7 | 6 20 | 16 48.91 | -19 49.6 | 1.372 | 2.366 | 6.7 | 19.5 |
| 6 30 | 16 37.79 | -24 46.9 | 1.814 | 2.758 | 9.7 | 20.9 | 6 30 | 16 41.10 | -18 36.1 | 1.406 | 2.356 | 11.4 | 19.7 |
| 7 10 | 16 30.54 | -24 21.5 | 1.870 | 2.741 | 13.3 | 21.1 | 7 10 | 16 35.81 | -17 33.4 | 1.462 | 2.347 | 15.6 | 19.9 |
| 426926 | 2013 <i>XG</i> ₁ | | 6 7.0 276°79 | 3°8/ 6.4 | 18 | | 41908 | 2000 <i>WR</i> ₁₃₇ | | 6 7.0 233°46 | 2°0/ 7.4 | 18 | |
| 5 1 | 17 28.33 | -13 9.1 | 1.792 | 2.626 | 15.0 | 20.5 | 5 1 | 17 32.56 | -27 1.0 | 1.746 | 2.575 | 15.5 | 19.9 |
| 5 11 | 17 23.93 | -12 58.6 | 1.695 | 2.607 | 11.9 | 20.2 | 5 11 | 17 27.46 | -27 22.0 | 1.656 | 2.566 | 12.2 | 19.7 |
| 5 21 | 17 17.02 | -12 53.3 | 1.619 | 2.587 | 8.3 | 20.0 | 5 21 | 17 19.45 | -27 38.5 | 1.586 | 2.555 | 8.3 | 19.4 |
| 5 31 | 17 8.15 | -12 55.1 | 1.567 | 2.567 | 4.9 | 19.7 | 5 31 | 17 9.21 | -27 47.9 | 1.541 | 2.545 | 4.1 | 19.1 |
| 6 10 | 16 58.24 | -13 5.3 | 1.542 | 2.547 | 4.2 | 19.6 | 6 10 | 16 57.86 | -27 48.7 | 1.522 | 2.534 | 2.4 | 19.0 |
| 6 20 | 16 48.40 | -13 24.4 | 1.543 | 2.526 | 7.4 | 19.8 | 6 20 | 16 46.70 | -27 41.0 | 1.530 | 2.522 | 6.4 | 19.2 |
| 6 30 | 16 39.75 | -13 52.8 | 1.568 | 2.506 | 11.4 | 20.0 | 6 30 | 16 37.07 | -27 27.4 | 1.563 | 2.511 | 10.7 | 19.4 |
| 7 10 | 16 33.22 | -14 29.7 | 1.616 | 2.485 | 15.1 | 20.2 | 7 10 | 16 29.97 | -27 11.6 | 1.619 | 2.498 | 14.6 | 19.7 |
| 336382 | 2008 <i>UX</i> ₇₀ | | 6 7.0 290°78 | 0°2/ 6.9 | 18 | | 209570 | 2004 <i>XL</i> ₄₀ | | 6 7.0 180°71 | 0°4/ 7.1 | 18 | |
| 5 1 | 17 28.33 | -25 20.1 | 1.797 | 2.633 | 14.9 | 20.1 | 5 1 | 17 33.07 | -22 59.5 | 1.703 | 2.535 | 15.7 | 21.0 |
| 5 11 | 17 24.05 | -24 39.0 | 1.693 | 2.609 | 11.6 | 19.8 | 5 11 | 17 27.67 | -23 17.3 | 1.623 | 2.536 | 12.2 | 20.8 |
| 5 21 | 17 17.12 | -23 49.1 | 1.611 | 2.585 | 7.7 | 19.5 | 5 21 | 17 19.46 | -23 33.7 | 1.564 | 2.537 | 8.1 | 20.6 |
| 5 31 | 17 8.18 | -22 50.9 | 1.553 | 2.560 | 3.3 | 19.2 | 5 31 | 17 9.16 | -23 47.0 | 1.530 | 2.537 | 3.5 | 20.3 |
| 6 10 | 16 58.25 | -21 46.4 | 1.522 | 2.536 | 1.5 | 19.0 | 6 10 | 16 57.91 | -23 56.1 | 1.523 | 2.537 | 1.5 | 20.1 |
| 6 20 | 16 48.48 | -20 39.5 | 1.518 | 2.511 | 6.3 | 19.3 | 6 20 | 16 46.98 | -24 1.3 | 1.542 | 2.536 | 6.2 | 20.4 |
| 6 30 | 16 40.08 | -19 35.2 | 1.539 | 2.487 | 10.8 | 19.5 | 6 30 | 16 37.63 | -24 4.1 | 1.587 | 2.534 | 10.6 | 20.7 |
| 7 10 | 16 33.96 | -18 38.5 | 1.583 | 2.462 | 14.9 | 19.7 | 7 10 | 16 30.76 | -24 7.1 | 1.655 | 2.533 | 14.4 | 20.9 |
| 367781 | 2010 <i>XB</i> ₇₀ | | 6 7.0 241°10 | 0°5/ 7.2 | 17 | | 508581 | 2017 <i>OY</i> ₁₁ | | 6 7.0 101°76 | 4°7/ 8.3 | 17 | |
| 5 1 | 17 30.74 | -25 36.7 | 1.771 | 2.603 | 15.2 | 21.7 | 5 1 | 17 33.07 | -34 7.6 | 1.467 | 2.297 | 17.9 | 21.0 |
| 5 11 | 17 25.85 | -25 21.8 | 1.680 | 2.593 | 11.9 | 21.4 | 5 11 | 17 28.30 | -34 20.6 | 1.394 | 2.299 | 14.4 | 20.7 |
| 5 21 | 17 18.26 | -25 0.7 | 1.610 | 2.583 | 7.9 | 21.2 | 5 21 | 17 20.14 | -34 20.3 | 1.339 | 2.301 | 10.4 | 20.5 |
| 5 31 | 17 8.63 | -24 32.8 | 1.565 | 2.572 | 3.4 | 20.9 | 5 31 | 17 9.48 | -34 2.9 | 1.307 | 2.302 | 6.4 | 20.3 |
| 6 10 | 16 58.07 | -23 58.6 | 1.546 | 2.560 | 1.5 | 20.7 | 6 10 | 16 57.80 | -33 27.1 | 1.300 | 2.304 | 4.8 | 20.2 |
| 6 20 | 16 47.79 | -23 20.7 | 1.554 | 2.548 | 6.1 | 21.0 | 6 20 | 16 46.72 | -32 35.2 | 1.317 | 2.306 | 7.7 | 20.4 |
| 6 30 | 16 38.99 | -22 42.5 | 1.588 | 2.536 | 10.5 | 21.2 | 6 30 | 16 37.74 | -31 33.6 | 1.358 | 2.308 | 11.8 | 20.6 |
| 7 10 | 16 32.57 | -22 8.2 | 1.645 | 2.524 | 14.4 | 21.4 | 7 10 | 16 31.85 | -30 29.8 | 1.421 | 2.310 | 15.7 | 20.8 |
| 368663 | 2005 <i>GR</i> ₁₁₀ | | 6 7.0 344°63 | 0°9/ 7.2 | 17 | | 434389 | 2005 <i>CN</i> ₄₃ | | 6 7.0 71°29 | 0°0/ 6.8 | 17 | |
| 5 1 | 17 24.22 | -24 34.9 | 1.162 | 2.033 | 19.0 | 20.5 | 5 1 | 17 30.98 | -23 5.9 | 1.880 | 2.710 | 14.6 | 21.6 |
| 5 11 | 17 22.00 | -24 41.8 | 1.088 | 2.023 | 14.9 | 20.2 | 5 11 | 17 25.35 | -23 3.0 | 1.828 | 2.740 | 11.1 | 21.4 |
| 5 21 | 17 16.33 | -24 44.3 | 1.033 | 2.014 | 9.9 | 19.9 | 5 21 | 17 17.47 | -22 57.3 | 1.798 | 2.770 | 7.2 | 21.2 |
| 5 31 | 17 7.97 | -24 41.1 | 0.998 | 2.006 | 4.4 | 19.6 | 5 31 | 17 8.15 | -22 48.6 | 1.793 | 2.800 | 3.0 | 21.0 |
| 6 10 | 16 58.33 | -24 32.0 | 0.985 | 1.999 | 1.9 | 19.4 | 6 10 | 16 58.40 | -22 37.2 | 1.815 | 2.829 | 1.3 | 20.9 |
| 6 20 | 16 49.06 | -24 18.3 | 0.995 | 1.994 | 7.6 | 19.7 | 6 20 | 16 49.28 | -22 24.6 | 1.865 | 2.858 | 5.3 | 21.3 |
| 6 30 | 16 41.78 | -24 3.6 | 1.027 | 1.990 | 13.1 | 20.0 | 6 30 | 16 41.67 | -22 12.8 | 1.941 | 2.887 | 9.0 | 21.6 |
| 7 10 | 16 37.63 | -23 51.6 | 1.077 | 1.987 | 17.8 | 20.3 | 7 10 | 16 36.21 | -22 3.9 | 2.041 | 2.916 | 12.2 | 21.8 |
| 422516 | 2014 <i>TX</i> ₇ | | 6 7.0 175°35 | 0°3/ 7.1 | 17 | | 498472 | 2008 <i>CN</i> ₅₆ | | 6 7.1 211°22 | 0°8/ 6.8 | 17 | |
| 5 1 | 17 32.16 | -23 0.7 | 1.675 | 2.509 | 15.8 | 21.4 | 5 1 | 17 31.43 | -21 35.9 | 1.958 | 2.785 | 14.2 | 22.9 |
| 5 11 | 17 26.97 | -23 11.1 | 1.596 | 2.511 | 12.3 | 21.2 | 5 11 | 17 26.04 | -21 21.7 | 1.867 | 2.778 | 11.0 | 22.7 |
| 5 21 | 17 18.98 | -23 19.6 | 1.539 | 2.512 | 8.1 | 20.9 | 5 21 | 17 18.22 | -21 5.0 | 1.799 | 2.771 | 7.3 | 22.4 |
| 5 31 | 17 8.93 | -23 24.8 | 1.506 | 2.513 | 3.4 | 20.6 | 5 31 | 17 8.61 | -20 45.9 | 1.756 | 2.763 | 3.1 | 22.1 |
| 6 10 | 16 57.96 | -23 26.2 | 1.500 | 2.514 | 1.4 | 20.5 | 6 10 | 16 58.17 | -20 25.3 | 1.741 | 2.755 | 1.6 | 22.0 |
| 6 20 | 16 47.35 | -23 24.4 | 1.520 | 2.514 | 6.2 | 20.8 | 6 20 | 16 47.99 | -20 4.8 | 1.754 | 2.745 | 5.8 | 22.3 |
| 6 30 | 16 38.34 | -23 21.4 | 1.565 | 2.513 | 10.6 | 21.0 | 6 30 | 16 39.11 | -19 46.7 | 1.793 | 2.735 | 9.9 | 22.5 |
| 7 10 | 16 31.81 | -23 19.6 | 1.633 | 2.513 | 14.5 | 21.3 | 7 10 | 16 32.36 | -19 33.4 | 1.855 | 2.725 | 13.5 | 22.7 |
| 78486 | 2002 <i>RN</i> ₅₉ | | 6 7.0 270°70 | 4°5/ 7.8 | 18 | | 19780 | 2000 <i>QE</i> ₆₅ | | | | | |

EPHEMERIDES

6 7.1

6 7.1

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|--------------|---------|------|---------------|------------------------|-----------------|--------------|--------------|---------|------|
| 247129 | 2000 VQ ₃₃ | | 6 7.1 218°68 | 1°0/ 6.7 18 | | | 67547 | 2000 SE ₄₃ | | 6 7.1 29°13 | 3°0/ 7.8 18 | | |
| 5 1 | 17 25.57 | -18 55.5 | 3.320 | 4.131 | 9.2 | 22.0 | 5 1 | 17 29.68 | -30 16.7 | 1.671 | 2.504 | 15.9 | 18.6 |
| 5 11 | 17 20.57 | -18 48.6 | 3.217 | 4.120 | 7.1 | 21.8 | 5 11 | 17 25.22 | -30 30.6 | 1.596 | 2.506 | 12.6 | 18.4 |
| 5 21 | 17 14.18 | -18 41.6 | 3.140 | 4.108 | 4.7 | 21.7 | 5 21 | 17 17.92 | -30 36.1 | 1.541 | 2.508 | 8.7 | 18.1 |
| 5 31 | 17 6.80 | -18 34.8 | 3.090 | 4.095 | 2.2 | 21.5 | 5 31 | 17 8.56 | -30 30.8 | 1.510 | 2.511 | 4.7 | 17.9 |
| 6 10 | 16 58.96 | -18 28.6 | 3.071 | 4.082 | 1.4 | 21.4 | 6 10 | 16 58.33 | -30 13.8 | 1.504 | 2.513 | 3.2 | 17.8 |
| 6 20 | 16 51.22 | -18 23.7 | 3.081 | 4.069 | 3.9 | 21.5 | 6 20 | 16 48.54 | -29 46.6 | 1.524 | 2.516 | 6.4 | 18.0 |
| 6 30 | 16 44.17 | -18 20.9 | 3.120 | 4.054 | 6.5 | 21.7 | 6 30 | 16 40.43 | -29 12.9 | 1.569 | 2.519 | 10.4 | 18.2 |
| 7 10 | 16 38.27 | -18 20.9 | 3.185 | 4.039 | 8.8 | 21.8 | 7 10 | 16 34.87 | -28 37.5 | 1.636 | 2.522 | 14.1 | 18.5 |
| 149520 | 2003 FJ ₉₃ | | 6 7.1 94°00 | 3°3/ 6.4 17 | | | 137646 | 1999 WB ₁₆ | | 6 7.1 75°65 | 0°0/ 6.8 17 | | |
| 5 1 | 17 30.44 | -14 54.5 | 1.837 | 2.667 | 14.8 | 20.5 | 5 1 | 17 31.31 | -22 43.0 | 1.486 | 2.330 | 17.0 | 20.2 |
| 5 11 | 17 24.96 | -14 32.0 | 1.778 | 2.689 | 11.5 | 20.3 | 5 11 | 17 26.43 | -22 48.6 | 1.424 | 2.343 | 13.1 | 20.0 |
| 5 21 | 17 17.27 | -14 12.8 | 1.742 | 2.710 | 7.8 | 20.1 | 5 21 | 17 18.65 | -22 52.0 | 1.382 | 2.357 | 8.6 | 19.8 |
| 5 31 | 17 8.10 | -13 58.5 | 1.731 | 2.732 | 4.3 | 20.0 | 5 31 | 17 8.84 | -22 52.2 | 1.364 | 2.371 | 3.6 | 19.5 |
| 6 10 | 16 58.46 | -13 50.4 | 1.747 | 2.753 | 3.6 | 20.0 | 6 10 | 16 58.26 | -22 49.2 | 1.371 | 2.385 | 1.5 | 19.4 |
| 6 20 | 16 49.34 | -13 49.6 | 1.790 | 2.773 | 6.6 | 20.2 | 6 20 | 16 48.26 | -22 44.1 | 1.404 | 2.399 | 6.4 | 19.7 |
| 6 30 | 16 41.66 | -13 56.6 | 1.858 | 2.793 | 10.1 | 20.4 | 6 30 | 16 40.08 | -22 39.0 | 1.461 | 2.413 | 10.9 | 20.0 |
| 7 10 | 16 36.07 | -14 11.4 | 1.950 | 2.813 | 13.2 | 20.7 | 7 10 | 16 34.54 | -22 36.6 | 1.540 | 2.426 | 14.8 | 20.3 |
| 176579 | 2002 CX ₃₉ | | 6 7.1 5°63 | 12°1/ 3.1 18 | | | 360049 | 2013 AJ ₆₈ | | 6 7.1 264°20 | 11°3/ 3.5 16 | | |
| 5 1 | 17 19.88 | + 2 0.8 | 1.537 | 2.363 | 17.4 | 18.1 | 5 1 | 17 24.36 | +13 24.3 | 2.478 | 3.210 | 14.1 | 20.8 |
| 5 11 | 17 17.36 | + 3 47.5 | 1.483 | 2.364 | 15.1 | 18.0 | 5 11 | 17 20.02 | +14 25.8 | 2.409 | 3.203 | 12.9 | 20.7 |
| 5 21 | 17 12.57 | + 5 18.0 | 1.448 | 2.366 | 13.2 | 17.8 | 5 21 | 17 14.00 | +15 9.6 | 2.359 | 3.196 | 11.9 | 20.6 |
| 5 31 | 17 6.21 | + 6 24.2 | 1.434 | 2.370 | 12.2 | 17.8 | 5 31 | 17 6.80 | +15 31.0 | 2.330 | 3.188 | 11.4 | 20.6 |
| 6 10 | 16 59.24 | + 7 0.5 | 1.442 | 2.375 | 12.4 | 17.8 | 6 10 | 16 59.10 | +15 26.8 | 2.324 | 3.181 | 11.5 | 20.5 |
| 6 20 | 16 52.66 | + 7 4.8 | 1.471 | 2.381 | 13.8 | 17.9 | 6 20 | 16 51.59 | +14 56.5 | 2.339 | 3.173 | 12.2 | 20.6 |
| 6 30 | 16 47.40 | + 6 38.4 | 1.519 | 2.389 | 15.9 | 18.1 | 6 30 | 16 44.99 | +14 1.4 | 2.375 | 3.166 | 13.4 | 20.7 |
| 7 10 | 16 44.16 | + 5 46.1 | 1.585 | 2.398 | 18.0 | 18.2 | 7 10 | 16 39.86 | +12 45.3 | 2.431 | 3.158 | 14.7 | 20.7 |
| 176349 | 2001 TM ₄₈ | | 6 7.1 248°75 | 0°3/ 6.9 18 | | | 472495 | 2015 CV ₁₁ | | 6 7.1 5°73 | 10°0/ 5.3 17 | | |
| 5 1 | 17 26.70 | -22 4.3 | 2.305 | 3.132 | 12.3 | 20.9 | 5 1 | 17 23.44 | - 2 19.5 | 1.424 | 2.262 | 17.9 | 20.4 |
| 5 11 | 17 22.10 | -22 3.8 | 2.213 | 3.124 | 9.5 | 20.7 | 5 11 | 17 20.34 | - 1 14.3 | 1.363 | 2.262 | 15.1 | 20.2 |
| 5 21 | 17 15.49 | -22 1.6 | 2.143 | 3.115 | 6.3 | 20.5 | 5 21 | 17 14.67 | - 0 23.8 | 1.320 | 2.263 | 12.2 | 20.0 |
| 5 31 | 17 7.44 | -21 57.7 | 2.100 | 3.107 | 2.6 | 20.3 | 5 31 | 17 7.18 | + 0 5.7 | 1.299 | 2.265 | 10.3 | 19.9 |
| 6 10 | 16 58.71 | -21 52.2 | 2.084 | 3.098 | 1.2 | 20.1 | 6 10 | 16 58.95 | + 0 9.7 | 1.300 | 2.268 | 10.3 | 19.9 |
| 6 20 | 16 50.17 | -21 45.9 | 2.097 | 3.090 | 4.9 | 20.4 | 6 20 | 16 51.11 | - 0 12.9 | 1.323 | 2.271 | 12.1 | 20.0 |
| 6 30 | 16 42.66 | -21 40.2 | 2.136 | 3.081 | 8.4 | 20.6 | 6 30 | 16 44.75 | - 1 0.3 | 1.367 | 2.276 | 14.9 | 20.2 |
| 7 10 | 16 36.87 | -21 36.8 | 2.200 | 3.072 | 11.5 | 20.8 | 7 10 | 16 40.68 | - 2 7.8 | 1.430 | 2.281 | 17.7 | 20.4 |
| 249630 | 1999 TT ₇₁ | | 6 7.1 322°04 | 2°7/ 7.6 18 | | | 84402 | 2002 TD ₁₈₀ | | 6 7.1 186°64 | 3°8/ 8.3 18 | | |
| 5 1 | 17 26.95 | -29 30.8 | 2.122 | 2.946 | 13.3 | 21.2 | 5 1 | 17 33.91 | -34 19.7 | 2.018 | 2.824 | 14.6 | 19.4 |
| 5 11 | 17 22.65 | -29 58.7 | 2.034 | 2.939 | 10.5 | 20.9 | 5 11 | 17 28.08 | -34 22.0 | 1.933 | 2.824 | 11.7 | 19.2 |
| 5 21 | 17 16.04 | -30 21.4 | 1.967 | 2.932 | 7.3 | 20.7 | 5 21 | 17 19.60 | -34 13.0 | 1.868 | 2.824 | 8.4 | 19.0 |
| 5 31 | 17 7.72 | -30 36.6 | 1.925 | 2.925 | 4.1 | 20.5 | 5 31 | 17 9.24 | -33 50.2 | 1.829 | 2.822 | 5.1 | 18.8 |
| 6 10 | 16 58.59 | -30 42.7 | 1.910 | 2.918 | 2.9 | 20.4 | 6 10 | 16 58.10 | -33 12.8 | 1.817 | 2.821 | 3.9 | 18.7 |
| 6 20 | 16 49.66 | -30 40.0 | 1.922 | 2.912 | 5.6 | 20.6 | 6 20 | 16 47.41 | -32 22.9 | 1.832 | 2.818 | 6.2 | 18.8 |
| 6 30 | 16 41.93 | -30 30.3 | 1.961 | 2.906 | 9.0 | 20.8 | 6 30 | 16 38.29 | -31 24.9 | 1.874 | 2.816 | 9.6 | 19.0 |
| 7 10 | 16 36.20 | -30 16.5 | 2.022 | 2.900 | 12.1 | 21.0 | 7 10 | 16 31.55 | -30 24.4 | 1.940 | 2.812 | 12.8 | 19.2 |
| 36717 | 2000 RD ₉₇ | | 6 7.1 16°53 | 23°2/22.8 18 | | | 17720 | 2003 WB ₁₁₄ | | 6 7.1 210°41 | 3°5/ 7.6 18 | | |
| 5 1 | 17 43.23 | -64 46.1 | 0.831 | 1.602 | 32.7 | 16.7 | 5 1 | 17 33.24 | -30 8.3 | 1.724 | 2.548 | 15.9 | 20.8 |
| 5 11 | 17 42.91 | -66 4.8 | 0.789 | 1.605 | 30.7 | 16.5 | 5 11 | 17 28.08 | -30 41.7 | 1.640 | 2.545 | 12.6 | 20.5 |
| 5 21 | 17 32.84 | -66 34.9 | 0.754 | 1.609 | 28.4 | 16.4 | 5 21 | 17 19.92 | -31 8.6 | 1.577 | 2.541 | 8.8 | 20.3 |
| 5 31 | 17 15.24 | -65 56.5 | 0.728 | 1.615 | 26.1 | 16.2 | 5 31 | 17 9.49 | -31 25.2 | 1.538 | 2.537 | 5.0 | 20.1 |
| 6 10 | 16 55.76 | -63 56.4 | 0.714 | 1.623 | 24.3 | 16.2 | 6 10 | 16 57.97 | -31 29.3 | 1.525 | 2.533 | 3.7 | 20.0 |
| 6 20 | 16 40.21 | -60 37.7 | 0.713 | 1.632 | 23.3 | 16.1 | 6 20 | 16 46.74 | -31 20.9 | 1.539 | 2.528 | 6.8 | 20.2 |
| 6 30 | 16 31.76 | -56 21.1 | 0.729 | 1.642 | 23.6 | 16.2 | 6 30 | 16 37.16 | -31 2.7 | 1.578 | 2.523 | 10.8 | 20.4 |
| 7 10 | 16 30.57 | -51 36.8 | 0.761 | 1.653 | 25.0 | 16.4 | 7 10 | 16 30.22 | -30 39.7 | 1.639 | 2.518 | 14.5 | 20.6 |
| 213194 | 2000 SD ₃₂₈ | | 6 7.1 227°39 | 1°0/ 6.7 18 | | | 436655 | 2011 RC ₁₄ | | 6 7.1 11°35 | 10°7/ 3.6 15 | | |
| 5 1 | 17 25.84 | -21 14.4 | 2.483 | 3.308 | 11.6 | 20.4 | 5 1 | 17 22.15 | - 2 2.4 | 1.494 | 2.330 | 17.3 | 20.7 |
| 5 11 | 17 21.21 | -20 47.5 | 2.393 | 3.303 | 8.9 | 20.2 | 5 11 | 17 19.16 | - 0 17.8 | 1.438 | 2.333 | 14.7 | 20.6 |
| 5 21 | 17 14.80 | -20 18.0 | 2.325 | 3.297 | 5.9 | 20.0 | 5 21 | 17 13.80 | + 1 14.1 | 1.402 | 2.337 | 12.3 | 20.4 |
| 5 31 | 17 7.13 | -19 46.9 | 2.285 | 3.291 | 2.6 | 19.8 | 5 31 | 17 6.79 | + 2 25.3 | 1.388 | 2.343 | 10.8 | 20.3 |
| 6 10 | 16 58.92 | -19 15.5 | 2.272 | 3.285 | 1.6 | 19.7 | 6 10 | 16 59.14 | + 3 9.9 | 1.396 | 2.349 | 11.1 | 20.4 |
| 6 20 | 16 50.94 | -18 45.5 | 2.288 | 3.278 | 4.8 | 19.9 | 6 20 | 16 51.93 | + 3 25.2 | 1.426 | 2.356 | 12.8 | 20.5 |
| 6 30 | 16 43.93 | -18 19.0 | 2.332 | 3.272 | 8.0 | 20.1 | 6 30 | 16 46.13 | + 3 11.8 | 1.476 | 2.364 | 15.2 | 20.7 |
| 7 10 | 16 38.50 | -17 57.7 | 2.400 | 3.265 | 10.9 | 20.3 | 7 10 | 16 42.46 | + 2 33.9 | 1.545 | 2.373 | 17.7 | 20.8 |
| 82164 | 2001 GF ₁₁ | | 6 7.1 240°81 | 12°7/ 1.1 18 | | | 472669 | 2015 EC ₉ | | 6 7.1 350°58 | 9°0/ 5.1 17 | | |
| 5 1 | 17 31.66 | - 6 49.3 | 1.166 | 2.013 | 20.5 | 19.3 | 5 1 | 17 24.77 | - 3 18.1 | 1.609 | 2.439 | 16.6 | 21.1 |
| 5 11 | 17 27.27 | - 3 46.2 | 1.099 | 2.007 | 17.2 | 19.0 | 5 11 | 17 21.13 | - 2 16.3 | 1.540 | 2.436 | 13.8 | 20.9 |
| 5 21 | 17 19.53 | - 0 44.2 | 1.053 | 2.000 | 14.2 | 18.8 | 5 21 | 17 15.10 | - 1 26.4 | 1.491 | 2.433 | 11.1 | 20.7 |
| 5 31 | 17 9.31 | + 2 2.2 | 1.030 | 1.993 | 12.7 | 18.7 | 5 31 | 17 7.36 | - 0 54.1 | 1.464 | 2.431 | 9.3 | 20.6 |
| 6 10 | 16 58.01 | + 4 18.4 | 1.029 | 1.985 | 13.7 | 18.7 | 6 10 | 16 58.89 | - 0 43.6 | 1.461 | 2.430 | 9.2 | 20.6 |
| 6 20 | 16 47.19 | + 5 54.3 | 1.050 | 1.978 | 16.6 | 18.9 | 6 20 | 16 50.74 | - 0 56.5 | 1.481 | 2.428 | 11.1 | 20.7 |
| 6 30 | 16 38.34 | + 6 46.1 | 1.090 | 1.970 | 20.0 | 19.1 | 6 30 | 16 43.93 | - 1 31.8 | 1.523 | 2.428 | 13.8 | 20.8 |
| 7 10 | 16 32.48 | + 6 57.4 | 1.146 | 1.961 | 23.4 | 19.3 | 7 10 | 16 39.24 | - 2 26.0 | 1.585 | 2.427 | 16.7 | 21.0 |
| 91826 | 1999 TP ₂₈₁ | | 6 7.1 163°73 | 3°6/ 6.4 18 | | | 18692 | 1998 HJ ₁₄ | | 6 7.1 340°07 | 5°0/ 6.3 18 | | |
| 5 1 | | | | | | | | | | | | | |

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6 7.1

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|-------------|-------|---------|------|---------------|------------------------|-----------------|-------------|-------|---------|------|
| 365063 | 2008 YL ₆₉ | 6 7.1 97°50 | 0°8/ 6.9 17 | | | | 491318 | 2011 WL ₇₁ | 6 7.1 234°38 | 1°1/ 7.3 18 | | | |
| 5 1 | 17 32.09 | -20 39.7 | 1.418 | 2.264 | 17.6 | 21.3 | 5 1 | 17 27.78 | -25 0.0 | 2.395 | 3.216 | 12.1 | 21.0 |
| 5 11 | 17 27.22 | -20 45.0 | 1.352 | 2.272 | 13.6 | 21.0 | 5 11 | 17 22.94 | -25 25.9 | 2.306 | 3.213 | 9.4 | 20.8 |
| 5 21 | 17 19.30 | -20 50.2 | 1.305 | 2.281 | 8.9 | 20.8 | 5 21 | 17 16.10 | -25 49.9 | 2.240 | 3.209 | 6.2 | 20.6 |
| 5 31 | 17 9.18 | -20 54.7 | 1.283 | 2.290 | 3.8 | 20.5 | 5 31 | 17 7.77 | -26 10.3 | 2.200 | 3.205 | 2.9 | 20.3 |
| 6 10 | 16 58.15 | -20 58.5 | 1.285 | 2.299 | 1.8 | 20.4 | 6 10 | 16 58.76 | -26 26.3 | 2.188 | 3.201 | 1.5 | 20.2 |
| 6 20 | 16 47.65 | -21 2.0 | 1.313 | 2.307 | 6.9 | 20.7 | 6 20 | 16 49.90 | -26 37.6 | 2.205 | 3.197 | 4.7 | 20.4 |
| 6 30 | 16 39.01 | -21 7.1 | 1.364 | 2.315 | 11.6 | 21.0 | 6 30 | 16 42.08 | -26 45.1 | 2.248 | 3.193 | 8.1 | 20.6 |
| 7 10 | 16 33.14 | -21 15.6 | 1.437 | 2.324 | 15.7 | 21.3 | 7 10 | 16 35.98 | -26 50.5 | 2.317 | 3.188 | 11.0 | 20.8 |
| 349062 | 2006 WN ₁₉₁ | 6 7.1 153°42 | 0°4/ 7.2 18 | | | | 258853 | 2002 PL ₁₀₅ | 6 7.1 279°08 | 1°3/ 6.7 17 | | | |
| 5 1 | 17 27.00 | -24 23.0 | 2.732 | 3.549 | 10.9 | 21.8 | 5 1 | 17 28.84 | -22 17.2 | 1.562 | 2.407 | 16.3 | 20.8 |
| 5 11 | 17 21.93 | -24 23.3 | 2.650 | 3.555 | 8.4 | 21.7 | 5 11 | 17 24.67 | -21 42.4 | 1.476 | 2.397 | 12.7 | 20.5 |
| 5 21 | 17 15.19 | -24 20.9 | 2.592 | 3.561 | 5.5 | 21.5 | 5 21 | 17 17.66 | -21 2.4 | 1.411 | 2.387 | 8.4 | 20.2 |
| 5 31 | 17 7.30 | -24 15.2 | 2.561 | 3.567 | 2.4 | 21.3 | 5 31 | 17 8.54 | -20 18.3 | 1.369 | 2.377 | 3.7 | 19.9 |
| 6 10 | 16 58.93 | -24 6.4 | 2.558 | 3.572 | 1.0 | 21.2 | 6 10 | 16 58.44 | -19 32.5 | 1.353 | 2.366 | 2.1 | 19.8 |
| 6 20 | 16 50.82 | -23 55.4 | 2.585 | 3.577 | 4.1 | 21.4 | 6 20 | 16 48.65 | -18 48.5 | 1.363 | 2.356 | 6.9 | 20.0 |
| 6 30 | 16 43.65 | -23 43.5 | 2.639 | 3.581 | 7.1 | 21.6 | 6 30 | 16 40.43 | -18 10.2 | 1.397 | 2.346 | 11.6 | 20.3 |
| 7 10 | 16 37.97 | -23 32.5 | 2.718 | 3.585 | 9.8 | 21.8 | 7 10 | 16 34.73 | -17 41.1 | 1.452 | 2.335 | 15.7 | 20.5 |
| 235748 | 2004 TQ ₃₄₀ | 6 7.1 225°46 | 6°9/ 5.1 18 | | | | 381979 | 2010 GY ₄₈ | 6 7.1 107°24 | 6°6/ 5.8 17 | | | |
| 5 1 | 17 27.27 | -3 3 3.3 | 2.321 | 3.121 | 13.1 | 21.3 | 5 1 | 17 27.63 | -5 22.6 | 2.001 | 2.815 | 14.3 | 21.1 |
| 5 11 | 17 22.38 | -2 17.5 | 2.233 | 3.111 | 10.9 | 21.1 | 5 11 | 17 22.72 | -4 41.8 | 1.937 | 2.828 | 11.7 | 20.9 |
| 5 21 | 17 15.64 | -1 40.5 | 2.167 | 3.100 | 8.7 | 20.9 | 5 21 | 17 15.83 | -4 10.5 | 1.895 | 2.840 | 9.0 | 20.8 |
| 5 31 | 17 7.54 | -1 15.8 | 2.126 | 3.088 | 7.2 | 20.8 | 5 31 | 17 7.60 | -3 52.1 | 1.878 | 2.853 | 7.0 | 20.7 |
| 6 10 | 16 58.82 | -1 6.4 | 2.112 | 3.076 | 7.2 | 20.8 | 6 10 | 16 58.86 | -3 48.8 | 1.887 | 2.865 | 6.8 | 20.7 |
| 6 20 | 16 50.26 | -1 13.5 | 2.124 | 3.063 | 8.7 | 20.9 | 6 20 | 16 50.51 | -4 1.3 | 1.922 | 2.876 | 8.5 | 20.8 |
| 6 30 | 16 42.63 | -1 36.9 | 2.161 | 3.050 | 11.0 | 21.0 | 6 30 | 16 43.37 | -4 28.9 | 1.982 | 2.888 | 11.1 | 21.0 |
| 7 10 | 16 36.59 | -2 15.1 | 2.220 | 3.036 | 13.4 | 21.1 | 7 10 | 16 38.03 | -5 9.4 | 2.064 | 2.899 | 13.6 | 21.2 |
| 423047 | 2003 UB ₁₈₈ | 6 7.1 295°38 | 2°1/ 7.4 18 | | | | 504284 | 2006 WP ₁₇₂ | 6 7.1 263°24 | 0°3/ 7.0 17 | | | |
| 5 1 | 17 29.89 | -26 46.1 | 1.434 | 2.280 | 17.4 | 20.9 | 5 1 | 17 30.14 | -22 49.4 | 1.759 | 2.595 | 15.2 | 22.4 |
| 5 11 | 17 26.30 | -27 4.2 | 1.332 | 2.252 | 13.8 | 20.6 | 5 11 | 17 25.54 | -22 39.5 | 1.662 | 2.577 | 11.8 | 22.2 |
| 5 21 | 17 19.31 | -27 17.7 | 1.249 | 2.223 | 9.5 | 20.2 | 5 21 | 17 18.22 | -22 26.3 | 1.585 | 2.559 | 7.9 | 21.9 |
| 5 31 | 17 9.46 | -27 23.7 | 1.189 | 2.194 | 4.6 | 19.9 | 5 31 | 17 8.80 | -22 9.5 | 1.533 | 2.541 | 3.4 | 21.6 |
| 6 10 | 16 57.93 | -27 20.2 | 1.153 | 2.166 | 2.6 | 19.7 | 6 10 | 16 58.31 | -21 49.5 | 1.508 | 2.522 | 1.5 | 21.4 |
| 6 20 | 16 46.29 | -27 7.0 | 1.141 | 2.137 | 7.5 | 19.9 | 6 20 | 16 47.94 | -21 27.9 | 1.509 | 2.503 | 6.3 | 21.7 |
| 6 30 | 16 36.26 | -26 47.3 | 1.153 | 2.108 | 12.8 | 20.1 | 6 30 | 16 38.95 | -21 7.6 | 1.535 | 2.483 | 10.8 | 21.9 |
| 7 10 | 16 29.19 | -26 25.8 | 1.185 | 2.079 | 17.7 | 20.3 | 7 10 | 16 32.29 | -20 51.4 | 1.584 | 2.463 | 14.8 | 22.1 |
| 243329 | 2008 SZ ₂₉₀ | 6 7.1 158°15 | 0°4/ 7.1 18 | | | | 168993 | 2001 CH ₄₀ | 6 7.1 185°81 | 3°7/ 7.7 17 | | | |
| 5 1 | 17 29.52 | -23 19.5 | 2.132 | 2.957 | 13.2 | 21.4 | 5 1 | 17 33.91 | -30 39.6 | 1.752 | 2.573 | 15.8 | 20.1 |
| 5 11 | 17 24.38 | -23 31.7 | 2.051 | 2.961 | 10.2 | 21.2 | 5 11 | 17 28.53 | -31 14.6 | 1.671 | 2.574 | 12.5 | 19.9 |
| 5 21 | 17 17.05 | -23 41.9 | 1.993 | 2.964 | 6.7 | 21.0 | 5 21 | 17 20.19 | -31 42.6 | 1.611 | 2.573 | 8.8 | 19.7 |
| 5 31 | 17 8.15 | -23 49.2 | 1.961 | 2.968 | 2.9 | 20.7 | 5 31 | 17 9.61 | -31 59.9 | 1.575 | 2.573 | 5.1 | 19.5 |
| 6 10 | 16 58.58 | -23 53.2 | 1.957 | 2.971 | 1.2 | 20.6 | 6 10 | 16 58.00 | -32 4.1 | 1.565 | 2.572 | 3.8 | 19.4 |
| 6 20 | 16 49.29 | -23 54.4 | 1.980 | 2.973 | 5.1 | 20.9 | 6 20 | 16 46.73 | -31 55.3 | 1.582 | 2.570 | 6.8 | 19.6 |
| 6 30 | 16 41.22 | -23 53.9 | 2.030 | 2.975 | 8.7 | 21.1 | 6 30 | 16 37.11 | -31 36.4 | 1.624 | 2.568 | 10.6 | 19.8 |
| 7 10 | 16 35.08 | -23 53.9 | 2.104 | 2.977 | 11.9 | 21.3 | 7 10 | 16 30.14 | -31 12.3 | 1.689 | 2.566 | 14.2 | 20.0 |
| 53926 | 2000 GR ₃₈ | 6 7.1 230°58 | 3°9/ 7.6 18 | | | | 444786 | 2007 TL ₈₅ | 6 7.1 208°62 | 0°2/ 7.2 18 | | | |
| 5 1 | 17 32.58 | -30 53.8 | 1.783 | 2.605 | 15.5 | 18.9 | 5 1 | 17 22.30 | -23 49.4 | 3.933 | 4.744 | 7.9 | 22.8 |
| 5 11 | 17 27.55 | -31 37.0 | 1.698 | 2.600 | 12.4 | 18.7 | 5 11 | 17 17.94 | -23 51.4 | 3.836 | 4.738 | 6.1 | 22.7 |
| 5 21 | 17 19.59 | -32 13.9 | 1.633 | 2.595 | 8.8 | 18.4 | 5 21 | 17 12.43 | -23 51.8 | 3.764 | 4.732 | 4.0 | 22.5 |
| 5 31 | 17 9.37 | -32 40.7 | 1.593 | 2.590 | 5.3 | 18.2 | 5 31 | 17 6.12 | -23 50.1 | 3.720 | 4.726 | 1.7 | 22.3 |
| 6 10 | 16 58.04 | -32 54.2 | 1.580 | 2.585 | 4.1 | 18.1 | 6 10 | 16 59.47 | -23 46.7 | 3.706 | 4.720 | 0.7 | 22.2 |
| 6 20 | 16 46.95 | -32 54.1 | 1.592 | 2.579 | 6.9 | 18.3 | 6 20 | 16 52.93 | -23 41.8 | 3.722 | 4.713 | 3.0 | 22.4 |
| 6 30 | 16 37.43 | -32 42.8 | 1.630 | 2.573 | 10.6 | 18.5 | 6 30 | 16 46.96 | -23 36.4 | 3.766 | 4.707 | 5.3 | 22.6 |
| 7 10 | 16 30.48 | -32 24.7 | 1.690 | 2.567 | 14.2 | 18.7 | 7 10 | 16 41.96 | -23 31.2 | 3.837 | 4.699 | 7.3 | 22.7 |
| 463738 | 2014 QL ₃₇₈ | 6 7.1 171°01 | 4°4/ 6.0 17 | | | | 357906 | 2005 VZ ₈₅ | 6 7.1 71°26 | 3°1/ 6.0 17 | | | |
| 5 1 | 17 30.77 | -14 11.0 | 1.658 | 2.493 | 15.9 | 21.7 | 5 1 | 17 25.22 | -14 52.2 | 2.348 | 3.175 | 12.1 | 20.9 |
| 5 11 | 17 25.71 | -13 28.2 | 1.583 | 2.496 | 12.5 | 21.5 | 5 11 | 17 20.59 | -14 13.3 | 2.286 | 3.194 | 9.4 | 20.7 |
| 5 21 | 17 18.09 | -12 48.0 | 1.530 | 2.498 | 8.7 | 21.3 | 5 21 | 17 14.30 | -13 36.4 | 2.247 | 3.213 | 6.4 | 20.6 |
| 5 31 | 17 8.62 | -12 13.3 | 1.501 | 2.500 | 5.2 | 21.1 | 5 31 | 17 6.92 | -13 3.5 | 2.234 | 3.233 | 3.8 | 20.4 |
| 6 10 | 16 58.39 | -11 47.1 | 1.498 | 2.501 | 4.8 | 21.1 | 6 10 | 16 59.17 | -12 36.4 | 2.249 | 3.252 | 3.4 | 20.5 |
| 6 20 | 16 48.57 | -11 31.7 | 1.522 | 2.502 | 7.9 | 21.3 | 6 20 | 16 51.81 | -12 16.8 | 2.292 | 3.271 | 5.7 | 20.6 |
| 6 30 | 16 40.24 | -11 28.5 | 1.570 | 2.502 | 11.7 | 21.5 | 6 30 | 16 45.49 | -12 5.6 | 2.362 | 3.290 | 8.5 | 20.8 |
| 7 10 | 16 34.21 | -11 37.5 | 1.639 | 2.502 | 15.3 | 21.7 | 7 10 | 16 40.74 | -12 3.0 | 2.455 | 3.309 | 11.1 | 21.0 |
| 55597 | 2002 RO ₆₆ | 6 7.1 274°98 | 3°7/ 7.9 18 | | | | 188426 | 2004 FX ₈₄ | 6 7.1 256°45 | 3°7/ 7.7 18 | | | |
| 5 1 | 17 31.25 | -31 42.2 | 1.640 | 2.469 | 16.4 | 19.4 | 5 1 | 17 32.29 | -30 45.2 | 1.801 | 2.623 | 15.4 | 20.2 |
| 5 11 | 17 26.82 | -31 57.5 | 1.547 | 2.454 | 13.1 | 19.2 | 5 11 | 17 27.40 | -31 18.3 | 1.706 | 2.610 | 12.3 | 20.0 |
| 5 21 | 17 19.26 | -32 3.3 | 1.475 | 2.439 | 9.3 | 18.9 | 5 21 | 17 19.57 | -31 45.0 | 1.632 | 2.595 | 8.7 | 19.7 |
| 5 31 | 17 9.28 | -31 56.3 | 1.425 | 2.424 | 5.4 | 18.6 | 5 31 | 17 9.42 | -32 1.5 | 1.583 | 2.581 | 5.1 | 19.5 |
| 6 10 | 16 58.08 | -31 34.5 | 1.401 | 2.409 | 3.9 | 18.5 | 6 10 | 16 58.07 | -32 5.3 | 1.559 | 2.566 | 3.8 | 19.4 |
| 6 20 | 16 47.11 | -30 59.2 | 1.403 | 2.393 | 7.1 | 18.7 | 6 20 | 16 46.86 | -31 56.1 | 1.562 | 2.551 | 6.8 | 19.5 |
| 6 30 | 16 37.81 | -30 14.6 | 1.429 | 2.378 | 11.3 | 18.9 | 6 30 | 16 37.14 | -31 36.5 | 1.591 | 2.535 | 10.7 | 19.7 |
| 7 10 | 16 31.27 | -29 26.6 | 1.477 | 2.363 | 15.3 | 19.1 | 7 10 | 16 29.98 | -31 11.2 | 1.641 | 2.519 | 14.5 | 19.9 |
| 384546 | 2010 EZ ₇₈ | 6 7.1 153°75 | 1°5/ 7.4 17 | | | | 297606 | 2001 SV ₂₂₆ | 6 7.1 320°20 | 0°2/ 7.1 18 | | | |
| 5 1 | 17 29.52 | -26 44.7 | | | | | | | | | | | |

EPHEMERIDES

6 7.1

6 7.1

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|-------------|-------|---------|------|---------------|-------------------------------|-----------------|-------------|-------|---------|------|
| 280570 | 2004 <i>TP</i> ₄₁ | 6 7.1 163°57 | 0°7/ 6.9 18 | | | | 121389 | 1999 <i>TY</i> ₁₁₇ | 6 7.1 258°84 | 0°8/ 6.8 18 | | | |
| 5 1 | 17 28.99 | -22 13.5 | 2.085 | 2.913 | 13.4 | 20.9 | 5 1 | 17 25.75 | -21 42.5 | 2.555 | 3.378 | 11.3 | 20.1 |
| 5 11 | 17 23.93 | -21 52.7 | 2.005 | 2.916 | 10.3 | 20.7 | 5 11 | 17 21.22 | -21 22.1 | 2.454 | 3.364 | 8.8 | 19.9 |
| 5 21 | 17 16.73 | -21 28.8 | 1.947 | 2.919 | 6.8 | 20.5 | 5 21 | 17 14.90 | -20 59.1 | 2.378 | 3.349 | 5.8 | 19.7 |
| 5 31 | 17 8.02 | -21 2.4 | 1.915 | 2.922 | 2.9 | 20.2 | 5 31 | 17 7.28 | -20 34.1 | 2.328 | 3.334 | 2.5 | 19.4 |
| 6 10 | 16 58.71 | -20 34.7 | 1.911 | 2.924 | 1.5 | 20.1 | 6 10 | 16 59.07 | -20 8.1 | 2.306 | 3.319 | 1.3 | 19.3 |
| 6 20 | 16 49.74 | -20 7.5 | 1.934 | 2.926 | 5.3 | 20.4 | 6 20 | 16 51.00 | -19 42.6 | 2.312 | 3.303 | 4.7 | 19.5 |
| 6 30 | 16 42.01 | -19 43.3 | 1.984 | 2.928 | 9.0 | 20.6 | 6 30 | 16 43.85 | -19 19.5 | 2.347 | 3.288 | 7.9 | 19.7 |
| 7 10 | 16 36.22 | -19 24.1 | 2.058 | 2.929 | 12.3 | 20.8 | 7 10 | 16 38.21 | -19 0.6 | 2.405 | 3.272 | 10.9 | 19.9 |
| 341168 | 2007 <i>QC</i> ₁₄ | 6 7.1 243°30 | 3°1/ 7.8 17 | | | | 75481 | 1999 <i>XB</i> ₁₇₂ | 6 7.1 282°68 | 1°7/ 7.3 18 | | | |
| 5 1 | 17 29.68 | -30 59.2 | 2.025 | 2.844 | 14.0 | 21.4 | 5 1 | 17 30.96 | -24 58.0 | 1.586 | 2.425 | 16.3 | 18.8 |
| 5 11 | 17 24.88 | -31 19.8 | 1.939 | 2.841 | 11.1 | 21.2 | 5 11 | 17 26.69 | -25 31.5 | 1.490 | 2.406 | 12.9 | 18.5 |
| 5 21 | 17 17.60 | -31 33.3 | 1.875 | 2.837 | 7.8 | 21.0 | 5 21 | 17 19.32 | -26 3.8 | 1.415 | 2.387 | 8.7 | 18.2 |
| 5 31 | 17 8.48 | -31 36.9 | 1.836 | 2.834 | 4.5 | 20.8 | 5 31 | 17 9.42 | -26 32.2 | 1.363 | 2.368 | 4.1 | 17.9 |
| 6 10 | 16 58.54 | -31 29.7 | 1.823 | 2.830 | 3.3 | 20.7 | 6 10 | 16 58.13 | -26 54.2 | 1.337 | 2.349 | 2.3 | 17.7 |
| 6 20 | 16 48.88 | -31 12.1 | 1.837 | 2.826 | 5.9 | 20.8 | 6 20 | 16 46.84 | -27 8.6 | 1.336 | 2.330 | 6.8 | 18.0 |
| 6 30 | 16 40.58 | -30 47.0 | 1.878 | 2.822 | 9.4 | 21.0 | 6 30 | 16 37.06 | -27 16.8 | 1.360 | 2.311 | 11.6 | 18.2 |
| 7 10 | 16 34.47 | -30 18.2 | 1.941 | 2.819 | 12.6 | 21.2 | 7 10 | 16 29.94 | -27 21.7 | 1.405 | 2.292 | 15.9 | 18.4 |
| 152831 | 1999 <i>VJ</i> ₅₇ | 6 7.1 197°91 | 0°5/ 6.9 18 | | | | 20955 | 2387 <i>T</i> ₋₃ | 6 7.1 296°41 | 0°0/ 6.9 18 | | | |
| 5 1 | 17 25.53 | -21 43.9 | 2.921 | 3.739 | 10.2 | 21.4 | 5 1 | 17 25.64 | -23 47.9 | 2.208 | 3.038 | 12.7 | 18.5 |
| 5 11 | 17 20.76 | -21 35.2 | 2.830 | 3.736 | 7.9 | 21.3 | 5 11 | 17 21.43 | -23 34.8 | 2.115 | 3.028 | 9.8 | 18.3 |
| 5 21 | 17 14.43 | -21 24.9 | 2.763 | 3.733 | 5.2 | 21.1 | 5 21 | 17 15.18 | -23 18.1 | 2.045 | 3.018 | 6.5 | 18.0 |
| 5 31 | 17 7.03 | -21 13.1 | 2.723 | 3.729 | 2.2 | 20.9 | 5 31 | 17 7.43 | -22 57.8 | 2.001 | 3.008 | 2.7 | 17.8 |
| 6 10 | 16 59.16 | -21 0.3 | 2.712 | 3.725 | 1.1 | 20.8 | 6 10 | 16 59.02 | -22 34.6 | 1.984 | 2.998 | 1.1 | 17.6 |
| 6 20 | 16 51.47 | -20 47.5 | 2.730 | 3.721 | 4.0 | 21.0 | 6 20 | 16 50.81 | -22 10.1 | 1.994 | 2.988 | 5.0 | 17.9 |
| 6 30 | 16 44.60 | -20 35.9 | 2.776 | 3.717 | 6.9 | 21.2 | 6 30 | 16 43.68 | -21 46.5 | 2.031 | 2.978 | 8.6 | 18.1 |
| 7 10 | 16 39.07 | -20 26.8 | 2.848 | 3.712 | 9.5 | 21.3 | 7 10 | 16 38.34 | -21 26.1 | 2.092 | 2.968 | 11.9 | 18.3 |
| 391739 | 2008 <i>CD</i> ₂₀₀ | 6 7.1 345°02 | 4°1/ 6.1 16 | | | | 224096 | 2005 <i>ON</i> ₁₂ | 6 7.1 326°99 | 1°1/ 7.2 17 | | | |
| 5 1 | 17 23.72 | -12 28.5 | 2.010 | 2.846 | 13.5 | 20.8 | 5 1 | 17 25.65 | -24 28.2 | 1.297 | 2.159 | 18.0 | 20.4 |
| 5 11 | 17 19.97 | -12 0.3 | 1.930 | 2.841 | 10.7 | 20.6 | 5 11 | 17 23.00 | -24 41.7 | 1.213 | 2.142 | 14.1 | 20.1 |
| 5 21 | 17 14.20 | -11 36.5 | 1.871 | 2.837 | 7.5 | 20.4 | 5 21 | 17 17.06 | -24 52.1 | 1.147 | 2.126 | 9.5 | 19.8 |
| 5 31 | 17 7.00 | -11 19.1 | 1.837 | 2.833 | 4.8 | 20.2 | 5 31 | 17 8.48 | -24 57.8 | 1.103 | 2.111 | 4.2 | 19.4 |
| 6 10 | 16 59.17 | -11 10.3 | 1.830 | 2.830 | 4.4 | 20.2 | 6 10 | 16 58.54 | -24 57.6 | 1.082 | 2.096 | 1.9 | 19.2 |
| 6 20 | 16 51.57 | -11 11.2 | 1.849 | 2.827 | 6.9 | 20.3 | 6 20 | 16 48.77 | -24 52.3 | 1.085 | 2.083 | 7.3 | 19.5 |
| 6 30 | 16 45.07 | -11 22.2 | 1.892 | 2.825 | 10.1 | 20.5 | 6 30 | 16 40.77 | -24 44.4 | 1.110 | 2.070 | 12.6 | 19.8 |
| 7 10 | 16 40.33 | -11 43.1 | 1.958 | 2.822 | 13.1 | 20.7 | 7 10 | 16 35.72 | -24 37.6 | 1.154 | 2.058 | 17.3 | 20.0 |
| 471665 | 2012 <i>TZ</i> ₁₅₀ | 6 7.1 280°42 | 4°0/ 5.7 16 | | | | 47370 | 1999 <i>XL</i> ₈₈ | 6 7.1 191°92 | 1°3/ 6.8 18 | | | |
| 5 1 | 17 26.76 | -14 54.4 | 1.968 | 2.801 | 13.9 | 21.8 | 5 1 | 17 31.13 | -19 55.8 | 1.993 | 2.819 | 14.0 | 19.7 |
| 5 11 | 17 22.52 | -14 4.5 | 1.867 | 2.779 | 10.9 | 21.6 | 5 11 | 17 25.76 | -19 44.8 | 1.908 | 2.818 | 10.8 | 19.5 |
| 5 21 | 17 16.04 | -13 14.6 | 1.789 | 2.757 | 7.7 | 21.3 | 5 21 | 17 18.06 | -19 32.9 | 1.845 | 2.816 | 7.2 | 19.3 |
| 5 31 | 17 7.85 | -12 27.4 | 1.736 | 2.734 | 4.7 | 21.1 | 5 31 | 17 8.67 | -19 20.6 | 1.807 | 2.813 | 3.2 | 19.0 |
| 6 10 | 16 58.80 | -11 46.0 | 1.709 | 2.711 | 4.4 | 21.0 | 6 10 | 16 58.52 | -19 8.5 | 1.798 | 2.810 | 1.9 | 18.9 |
| 6 20 | 16 49.86 | -11 13.6 | 1.709 | 2.688 | 7.3 | 21.1 | 6 20 | 16 48.66 | -18 58.0 | 1.816 | 2.806 | 5.8 | 19.2 |
| 6 30 | 16 42.02 | -10 52.6 | 1.735 | 2.664 | 11.0 | 21.3 | 6 30 | 16 40.07 | -18 50.6 | 1.860 | 2.802 | 9.6 | 19.4 |
| 7 10 | 16 36.08 | -10 44.0 | 1.782 | 2.641 | 14.4 | 21.5 | 7 10 | 16 33.54 | -18 48.1 | 1.929 | 2.797 | 13.1 | 19.6 |
| 260996 | 2005 <i>SZ</i> ₈₇ | 6 7.1 316°21 | 4°6/ 5.6 16 | | | | 152428 | 2005 <i>UY</i> ₃₉₇ | 6 7.1 169°61 | 0°6/ 7.3 18 | | | |
| 5 1 | 17 24.17 | -11 31.7 | 2.138 | 2.968 | 13.0 | 20.8 | 5 1 | 17 26.55 | -24 59.7 | 2.964 | 3.777 | 10.2 | 21.1 |
| 5 11 | 17 20.17 | -10 47.1 | 2.056 | 2.963 | 10.3 | 20.6 | 5 11 | 17 21.53 | -25 4.9 | 2.878 | 3.780 | 7.9 | 20.9 |
| 5 21 | 17 14.26 | -10 6.1 | 1.997 | 2.958 | 7.4 | 20.4 | 5 21 | 17 14.94 | -25 7.3 | 2.815 | 3.783 | 5.2 | 20.8 |
| 5 31 | 17 7.01 | -9 31.7 | 1.962 | 2.954 | 5.1 | 20.2 | 5 31 | 17 7.26 | -25 6.4 | 2.780 | 3.786 | 2.3 | 20.6 |
| 6 10 | 16 59.18 | -9 6.4 | 1.955 | 2.949 | 4.9 | 20.2 | 6 10 | 16 59.11 | -25 2.2 | 2.774 | 3.788 | 1.0 | 20.5 |
| 6 20 | 16 51.58 | -8 52.1 | 1.974 | 2.945 | 7.1 | 20.3 | 6 20 | 16 51.17 | -24 55.1 | 2.798 | 3.790 | 3.9 | 20.7 |
| 6 30 | 16 45.01 | -8 49.8 | 2.018 | 2.940 | 10.0 | 20.5 | 6 30 | 16 44.08 | -24 46.4 | 2.849 | 3.791 | 6.7 | 20.9 |
| 7 10 | 16 40.11 | -8 59.2 | 2.084 | 2.936 | 12.9 | 20.7 | 7 10 | 16 38.37 | -24 37.8 | 2.926 | 3.792 | 9.2 | 21.0 |
| 475001 | 2005 <i>TX</i> ₁₅₅ | 6 7.1 164°29 | 3°3/ 8.2 18 | | | | 47257 | 1999 <i>VA</i> ₇₉ | 6 7.1 47°83 | 1°2/ 6.8 18 | | | |
| 5 1 | 17 28.95 | -34 41.7 | 3.050 | 3.840 | 10.5 | 22.6 | 5 1 | 17 29.24 | -22 4.0 | 1.300 | 2.156 | 18.3 | 18.2 |
| 5 11 | 17 23.47 | -35 2.4 | 2.965 | 3.845 | 8.4 | 22.5 | 5 11 | 17 25.12 | -21 35.2 | 1.242 | 2.169 | 14.1 | 18.0 |
| 5 21 | 17 16.24 | -35 15.8 | 2.903 | 3.850 | 6.1 | 22.3 | 5 21 | 17 17.93 | -21 2.9 | 1.204 | 2.183 | 9.2 | 17.7 |
| 5 31 | 17 7.80 | -35 20.2 | 2.867 | 3.854 | 4.0 | 22.2 | 5 31 | 17 8.63 | -20 28.1 | 1.189 | 2.197 | 4.0 | 17.4 |
| 6 10 | 16 58.86 | -35 14.6 | 2.860 | 3.858 | 3.3 | 22.1 | 6 10 | 16 58.59 | -19 53.3 | 1.198 | 2.211 | 2.1 | 17.4 |
| 6 20 | 16 50.14 | -34 59.6 | 2.882 | 3.861 | 4.7 | 22.2 | 6 20 | 16 49.25 | -19 21.8 | 1.231 | 2.226 | 7.2 | 17.7 |
| 6 30 | 16 42.40 | -34 37.0 | 2.932 | 3.864 | 6.9 | 22.4 | 6 30 | 16 41.88 | -18 56.8 | 1.288 | 2.241 | 11.9 | 18.0 |
| 7 10 | 16 36.18 | -34 9.5 | 3.007 | 3.866 | 9.2 | 22.5 | 7 10 | 16 37.30 | -18 40.8 | 1.365 | 2.257 | 16.0 | 18.3 |
| 521563 | 2015 <i>OO</i> ₁₀₄ | 6 7.1 320°29 | 1°8/ 7.5 16 | | | | 508391 | 2016 <i>GC</i> ₈₆ | 6 7.1 322°58 | 2°9/ 6.7 17 | | | |
| 5 1 | 17 25.93 | -27 58.0 | 2.105 | 2.934 | 13.3 | 21.2 | 5 1 | 17 24.57 | -17 36.9 | 1.218 | 2.086 | 18.5 | 20.9 |
| 5 11 | 17 21.86 | -28 5.3 | 2.014 | 2.924 | 10.4 | 21.0 | 5 11 | 17 22.22 | -17 22.7 | 1.133 | 2.066 | 14.6 | 20.6 |
| 5 21 | 17 15.56 | -28 7.2 | 1.945 | 2.914 | 7.0 | 20.8 | 5 21 | 17 16.59 | -17 10.3 | 1.066 | 2.046 | 9.9 | 20.2 |
| 5 31 | 17 7.62 | -28 2.4 | 1.901 | 2.905 | 3.5 | 20.5 | 5 31 | 17 8.32 | -17 1.7 | 1.020 | 2.027 | 4.9 | 19.9 |
| 6 10 | 16 58.91 | -27 50.4 | 1.884 | 2.896 | 2.0 | 20.4 | 6 10 | 16 58.62 | -16 58.7 | 0.997 | 2.008 | 3.5 | 19.7 |
| 6 20 | 16 50.43 | -27 32.1 | 1.894 | 2.888 | 5.3 | 20.6 | 6 20 | 16 49.03 | -17 2.9 | 0.996 | 1.991 | 8.4 | 20.0 |
| 6 30 | 16 43.12 | -27 10.0 | 1.930 | 2.879 | 8.9 | 20.8 | 6 30 | 16 41.14 | -17 15.9 | 1.017 | 1.975 | 13.8 | 20.2 |
| 7 10 | 16 37.76 | -26 47.0 | 1.990 | 2.871 | 12.2 | 21.0 | 7 10 | 16 36.19 | -17 38.4 | 1.056 | 1.959 | 18.7 | 20.4 |
| 19062 | 2289 <i>T</i> ₋₂ | 6 7.1 252°54 | 3°6/ 5.8 18 | | | | 328499 | 2009 <i>PU</i> ₁₁ | 6 7.1 318°34 | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 503038 | 2015 <i>FG</i> ₁₄₉ | | 6 7.1 175°06 | 7°5/ 4.7 | 17 | | 360078 | 2013 <i>AQ</i> ₁₃₃ | | 6 7.1 326°67 | 10°3/ 4.9 | 16 | |
| 5 1 | 17 27.41 | - 1 43.3 | 2.315 | 3.111 | 13.2 | 22.1 | 5 1 | 17 24.02 | + 6 31.7 | 2.156 | 2.933 | 14.7 | 19.8 |
| 5 11 | 17 22.40 | - 0 41.8 | 2.241 | 3.113 | 11.1 | 21.9 | 5 11 | 17 20.05 | + 7 22.3 | 2.083 | 2.926 | 12.9 | 19.7 |
| 5 21 | 17 15.60 | + 0 10.2 | 2.191 | 3.115 | 9.0 | 21.8 | 5 21 | 17 14.21 | + 7 56.7 | 2.029 | 2.919 | 11.4 | 19.6 |
| 5 31 | 17 7.57 | + 0 48.7 | 2.165 | 3.117 | 7.7 | 21.7 | 5 31 | 17 7.06 | + 8 10.1 | 1.998 | 2.912 | 10.4 | 19.5 |
| 6 10 | 16 59.03 | + 1 10.6 | 2.165 | 3.118 | 7.7 | 21.7 | 6 10 | 16 59.32 | + 7 59.5 | 1.989 | 2.906 | 10.4 | 19.5 |
| 6 20 | 16 50.75 | + 1 14.4 | 2.191 | 3.118 | 9.1 | 21.8 | 6 20 | 16 51.79 | + 7 24.3 | 2.004 | 2.900 | 11.4 | 19.5 |
| 6 30 | 16 43.48 | + 1 0.3 | 2.242 | 3.118 | 11.2 | 21.9 | 6 30 | 16 45.26 | + 6 26.1 | 2.042 | 2.894 | 13.1 | 19.6 |
| 7 10 | 16 37.80 | + 0 30.2 | 2.315 | 3.117 | 13.4 | 22.1 | 7 10 | 16 40.34 | + 5 8.7 | 2.100 | 2.888 | 15.0 | 19.7 |
| 471391 | 2011 <i>SV</i> ₁₃₃ | | 6 7.1 123°34 | 7°3/ 8.5 | 18 | | 81688 | 2000 <i>JF</i> ₁₁ | | 6 7.1 267°21 | 0°1/ 7.1 | 18 | |
| 5 1 | 17 37.22 | -45 44.3 | 2.757 | 3.501 | 12.6 | 21.0 | 5 1 | 17 27.27 | -23 52.0 | 2.088 | 2.919 | 13.3 | 19.8 |
| 5 11 | 17 30.59 | -47 2.3 | 2.685 | 3.514 | 10.8 | 20.9 | 5 11 | 17 22.80 | -23 44.9 | 2.001 | 2.913 | 10.3 | 19.6 |
| 5 21 | 17 21.35 | -48 8.3 | 2.636 | 3.526 | 9.1 | 20.7 | 5 21 | 17 16.15 | -23 34.4 | 1.935 | 2.908 | 6.8 | 19.4 |
| 5 31 | 17 10.13 | -48 57.3 | 2.611 | 3.538 | 7.8 | 20.7 | 5 31 | 17 7.91 | -23 20.3 | 1.896 | 2.903 | 2.9 | 19.1 |
| 6 10 | 16 57.95 | -49 25.8 | 2.613 | 3.550 | 7.4 | 20.7 | 6 10 | 16 58.97 | -23 2.9 | 1.883 | 2.897 | 1.2 | 19.0 |
| 6 20 | 16 45.98 | -49 33.2 | 2.641 | 3.561 | 8.1 | 20.7 | 6 20 | 16 50.27 | -22 43.8 | 1.898 | 2.892 | 5.2 | 19.2 |
| 6 30 | 16 35.39 | -49 21.7 | 2.694 | 3.572 | 9.5 | 20.8 | 6 30 | 16 42.76 | -22 24.9 | 1.939 | 2.886 | 8.9 | 19.4 |
| 7 10 | 16 27.05 | -48 55.9 | 2.770 | 3.583 | 11.1 | 21.0 | 7 10 | 16 37.17 | -22 8.7 | 2.004 | 2.881 | 12.3 | 19.6 |
| 251495 | 2008 <i>ED</i> ₇₁ | | 6 7.1 316°71 | 3°0/ 6.5 | 18 | | 204328 | 2004 <i>RF</i> ₁₃₂ | | 6 7.1 85°85 | 3°1/ 6.6 | 17 | |
| 5 1 | 17 24.55 | -14 59.3 | 1.981 | 2.818 | 13.6 | 20.3 | 5 1 | 17 31.58 | -16 56.7 | 1.359 | 2.207 | 18.0 | 20.6 |
| 5 11 | 17 20.78 | -14 44.7 | 1.890 | 2.804 | 10.7 | 20.1 | 5 11 | 17 26.80 | -16 33.9 | 1.299 | 2.220 | 14.0 | 20.4 |
| 5 21 | 17 14.87 | -14 33.0 | 1.820 | 2.791 | 7.3 | 19.9 | 5 21 | 17 19.02 | -16 13.5 | 1.258 | 2.233 | 9.4 | 20.2 |
| 5 31 | 17 7.36 | -14 26.0 | 1.776 | 2.778 | 4.1 | 19.6 | 5 31 | 17 9.15 | -15 57.0 | 1.241 | 2.245 | 4.7 | 19.9 |
| 6 10 | 16 59.08 | -14 24.8 | 1.758 | 2.765 | 3.4 | 19.6 | 6 10 | 16 58.49 | -15 46.2 | 1.248 | 2.257 | 3.6 | 19.9 |
| 6 20 | 16 50.96 | -14 30.4 | 1.766 | 2.752 | 6.4 | 19.7 | 6 20 | 16 48.45 | -15 42.8 | 1.280 | 2.270 | 7.7 | 20.2 |
| 6 30 | 16 43.92 | -14 43.5 | 1.800 | 2.740 | 10.0 | 19.9 | 6 30 | 16 40.29 | -15 47.9 | 1.335 | 2.282 | 12.2 | 20.5 |
| 7 10 | 16 38.72 | -15 4.1 | 1.856 | 2.729 | 13.3 | 20.1 | 7 10 | 16 34.86 | -16 2.0 | 1.412 | 2.294 | 16.1 | 20.7 |
| 232567 | 2003 <i>SY</i> ₂₉₂ | | 6 7.1 167°05 | 8°1/ 9.4 | 18 | | 192758 | 1999 <i>TU</i> ₂₇₁ | | 6 7.1 131°00 | 1°6/ 6.6 | 18 | |
| 5 1 | 17 36.91 | -46 13.8 | 2.291 | 3.046 | 14.5 | 20.7 | 5 1 | 17 28.65 | -20 20.5 | 2.066 | 2.895 | 13.4 | 20.0 |
| 5 11 | 17 30.75 | -47 7.6 | 2.212 | 3.049 | 12.5 | 20.6 | 5 11 | 17 23.64 | -19 45.7 | 1.990 | 2.902 | 10.4 | 19.8 |
| 5 21 | 17 21.60 | -47 46.7 | 2.153 | 3.052 | 10.4 | 20.5 | 5 21 | 17 16.55 | -19 8.7 | 1.938 | 2.910 | 6.8 | 19.6 |
| 5 31 | 17 10.25 | -48 5.4 | 2.118 | 3.054 | 8.7 | 20.3 | 5 31 | 17 8.03 | -18 30.8 | 1.911 | 2.917 | 3.1 | 19.3 |
| 6 10 | 16 57.92 | -48 0.5 | 2.107 | 3.056 | 8.1 | 20.3 | 6 10 | 16 58.97 | -17 54.0 | 1.912 | 2.924 | 2.1 | 19.3 |
| 6 20 | 16 46.01 | -47 31.9 | 2.122 | 3.058 | 8.9 | 20.4 | 6 20 | 16 50.29 | -17 20.6 | 1.941 | 2.930 | 5.6 | 19.5 |
| 6 30 | 16 35.84 | -46 43.5 | 2.161 | 3.059 | 10.6 | 20.5 | 6 30 | 16 42.87 | -16 53.0 | 1.997 | 2.937 | 9.2 | 19.8 |
| 7 10 | 16 28.35 | -45 41.8 | 2.224 | 3.060 | 12.7 | 20.6 | 7 10 | 16 37.35 | -16 32.8 | 2.075 | 2.943 | 12.3 | 20.0 |
| 71904 | 2000 <i>WB</i> ₂₇ | | 6 7.1 82°73 | 0°7/ 7.3 | 18 | | 6176 | Horrigan | | 6 7.1 256°95 | 2°5/ 6.8 | 18 | |
| 5 1 | 17 31.38 | -25 46.2 | 1.454 | 2.297 | 17.3 | 19.4 | 5 1 | 17 31.06 | -17 9.2 | 1.585 | 2.425 | 16.3 | 17.1 |
| 5 11 | 17 26.69 | -25 32.4 | 1.386 | 2.305 | 13.5 | 19.2 | 5 11 | 17 26.50 | -17 2.8 | 1.493 | 2.410 | 12.8 | 16.8 |
| 5 21 | 17 18.98 | -25 12.0 | 1.338 | 2.313 | 8.9 | 19.0 | 5 21 | 17 19.04 | -16 58.8 | 1.422 | 2.395 | 8.7 | 16.6 |
| 5 31 | 17 9.11 | -24 44.4 | 1.314 | 2.321 | 3.9 | 18.7 | 5 31 | 17 9.31 | -16 58.1 | 1.375 | 2.380 | 4.3 | 16.3 |
| 6 10 | 16 58.42 | -24 10.6 | 1.315 | 2.329 | 1.6 | 18.5 | 6 10 | 16 58.39 | -17 1.5 | 1.353 | 2.364 | 3.0 | 16.1 |
| 6 20 | 16 48.32 | -23 33.5 | 1.341 | 2.337 | 6.6 | 18.9 | 6 20 | 16 47.58 | -17 9.6 | 1.357 | 2.348 | 7.3 | 16.3 |
| 6 30 | 16 40.11 | -22 57.3 | 1.391 | 2.344 | 11.3 | 19.2 | 6 30 | 16 38.23 | -17 23.7 | 1.385 | 2.331 | 11.9 | 16.6 |
| 7 10 | 16 34.64 | -22 26.2 | 1.463 | 2.352 | 15.3 | 19.4 | 7 10 | 16 31.36 | -17 44.3 | 1.435 | 2.314 | 16.1 | 16.8 |
| 465323 | 2007 <i>VX</i> ₁₉ | | 6 7.1 76°76 | 10°2/ 3.6 | 18 | | 211498 | 2003 <i>PA</i> ₆ | | 6 7.1 319°33 | 5°5/ 5.9 | 18 | |
| 5 1 | 17 32.49 | - 4 54.6 | 1.456 | 2.281 | 18.2 | 21.1 | 5 1 | 17 24.63 | -14 27.2 | 1.207 | 2.074 | 18.7 | 19.8 |
| 5 11 | 17 26.77 | - 2 36.6 | 1.417 | 2.310 | 15.0 | 21.0 | 5 11 | 17 22.18 | -13 36.8 | 1.125 | 2.055 | 14.9 | 19.4 |
| 5 21 | 17 18.55 | - 0 30.5 | 1.400 | 2.338 | 12.1 | 20.9 | 5 21 | 17 16.51 | -12 48.1 | 1.062 | 2.037 | 10.5 | 19.1 |
| 5 31 | 17 8.77 | + 1 14.8 | 1.406 | 2.365 | 10.4 | 20.9 | 5 31 | 17 8.31 | -12 5.9 | 1.019 | 2.020 | 6.5 | 18.9 |
| 6 10 | 16 58.62 | + 2 32.3 | 1.437 | 2.392 | 10.6 | 21.0 | 6 10 | 16 58.80 | -11 34.8 | 0.999 | 2.003 | 6.0 | 18.8 |
| 6 20 | 16 49.28 | + 3 18.9 | 1.492 | 2.419 | 12.6 | 21.1 | 6 20 | 16 49.47 | -11 19.0 | 1.001 | 1.988 | 9.9 | 18.9 |
| 6 30 | 16 41.72 | + 3 35.3 | 1.569 | 2.446 | 15.1 | 21.4 | 6 30 | 16 41.84 | -11 20.7 | 1.024 | 1.973 | 14.8 | 19.2 |
| 7 10 | 16 36.57 | + 3 25.5 | 1.664 | 2.472 | 17.5 | 21.6 | 7 10 | 16 37.07 | -11 39.9 | 1.066 | 1.959 | 19.4 | 19.4 |
| 374586 | 2006 <i>DK</i> ₄₇ | | 6 7.1 145°17 | 1°1/ 7.4 | 17 | | 22634 | 1998 <i>MN</i> ₇ | | 6 7.1 278°80 | 0°2/ 7.2 | 18 | |
| 5 1 | 17 31.63 | -26 54.6 | 2.539 | 3.348 | 11.8 | 23.4 | 5 1 | 17 26.34 | -23 49.1 | 2.429 | 3.253 | 11.8 | 19.5 |
| 5 11 | 17 25.60 | -26 56.7 | 2.462 | 3.361 | 9.2 | 23.2 | 5 11 | 17 21.92 | -23 47.8 | 2.324 | 3.234 | 9.2 | 19.3 |
| 5 21 | 17 17.67 | -26 54.0 | 2.408 | 3.374 | 6.1 | 23.0 | 5 21 | 17 15.53 | -23 43.8 | 2.243 | 3.214 | 6.1 | 19.1 |
| 5 31 | 17 8.45 | -26 45.8 | 2.382 | 3.386 | 2.8 | 22.8 | 5 31 | 17 7.68 | -23 36.7 | 2.187 | 3.193 | 2.6 | 18.8 |
| 6 10 | 16 58.73 | -26 31.9 | 2.385 | 3.397 | 1.5 | 22.7 | 6 10 | 16 59.08 | -23 26.5 | 2.159 | 3.173 | 1.1 | 18.6 |
| 6 20 | 16 49.37 | -26 13.4 | 2.416 | 3.408 | 4.5 | 23.0 | 6 20 | 16 50.58 | -23 14.1 | 2.159 | 3.153 | 4.7 | 18.9 |
| 6 30 | 16 41.14 | -25 52.4 | 2.477 | 3.418 | 7.6 | 23.2 | 6 30 | 16 43.02 | -23 1.1 | 2.187 | 3.132 | 8.2 | 19.1 |
| 7 10 | 16 34.66 | -25 31.3 | 2.562 | 3.426 | 10.4 | 23.4 | 7 10 | 16 37.09 | -22 49.5 | 2.239 | 3.111 | 11.3 | 19.2 |
| 298334 | 2003 <i>FQ</i> ₁₁₃ | | 6 7.1 74°73 | 7°2/ 4.9 | 17 | | 100773 | 1998 <i>FU</i> ₃₄ | | 6 7.1 43°17 | 3°6/ 7.8 | 18 | |
| 5 1 | 17 25.62 | - 3 26.8 | 2.185 | 2.993 | 13.5 | 20.8 | 5 1 | 17 31.14 | -29 50.3 | 1.236 | 2.087 | 19.3 | 19.3 |
| 5 11 | 17 20.98 | - 2 19.3 | 2.132 | 3.014 | 11.1 | 20.6 | 5 11 | 17 27.12 | -30 13.4 | 1.179 | 2.099 | 15.2 | 19.1 |
| 5 21 | 17 14.61 | - 1 21.4 | 2.101 | 3.035 | 8.9 | 20.5 | 5 21 | 17 19.56 | -30 27.0 | 1.141 | 2.112 | 10.5 | 18.9 |
| 5 31 | 17 7.12 | - 0 37.3 | 2.096 | 3.055 | 7.4 | 20.5 | 5 31 | 17 9.47 | -30 27.6 | 1.124 | 2.126 | 5.7 | 18.6 |
| 6 10 | 16 59.28 | - 0 9.7 | 2.116 | 3.076 | 7.4 | 20.5 | 6 10 | 16 58.43 | -30 14.0 | 1.130 | 2.140 | 3.8 | 18.6 |
| 6 20 | 16 51.84 | - 0 0.0 | 2.162 | 3.097 | 8.9 | 20.6 | 6 20 | 16 48.14 | -29 48.1 | 1.160 | 2.155 | 7.6 | 18.8 |
| 6 30 | 16 45.50 | - 0 7.7 | 2.233 | 3.117 | 10.9 | 20.8 | 6 30 | 16 40.11 | -29 15.0 | 1.213 | 2.170 | 12.2 | 19.1 |
| 7 10 | 16 40.76 | - 0 30.9 | 2.324 | 3.137 | 13.0 | 21.0 | 7 10 | 16 35.29 | -28 40.7 | 1.286 | 2.185 | 16.3 | 19.4 |
| 75109 | 1999 <i>VQ</i> ₅₅ | | 6 7.1 299°58 | 0°5/ 7.2 | 18 | | 219188 | 1999 <i>TM</i> ₂₃₄ | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|---------------|---------|------|
| 300144 | 2006 <i>VW</i> ₆₂ | | 6 7.1 143°23 | 0°0/ 6.9 18 | | | 152060 | 2004 <i>PK</i> ₇₆ | | 6 7.1 194°66 | 4°3/ 6.1 18 | | |
| 5 1 | 17 27.00 | -23 14.9 | 2.634 | 3.453 | 11.2 | 22.0 | 5 1 | 17 24.96 | -9 9.1 | 2.545 | 3.360 | 11.6 | 20.6 |
| 5 11 | 17 22.03 | -23 10.8 | 2.554 | 3.460 | 8.6 | 21.8 | 5 11 | 17 20.48 | -8 47.9 | 2.463 | 3.359 | 9.3 | 20.4 |
| 5 21 | 17 15.36 | -23 4.4 | 2.497 | 3.467 | 5.6 | 21.6 | 5 21 | 17 14.38 | -8 32.4 | 2.404 | 3.358 | 6.8 | 20.2 |
| 5 31 | 17 7.52 | -22 55.4 | 2.467 | 3.474 | 2.4 | 21.4 | 5 31 | 17 7.13 | -8 24.4 | 2.370 | 3.357 | 4.7 | 20.1 |
| 6 10 | 16 59.21 | -22 44.2 | 2.466 | 3.480 | 1.0 | 21.3 | 6 10 | 16 59.39 | -8 25.2 | 2.365 | 3.356 | 4.5 | 20.1 |
| 6 20 | 16 51.16 | -22 31.8 | 2.494 | 3.487 | 4.2 | 21.6 | 6 20 | 16 51.84 | -8 35.6 | 2.386 | 3.354 | 6.3 | 20.2 |
| 6 30 | 16 44.08 | -22 19.7 | 2.550 | 3.492 | 7.3 | 21.8 | 6 30 | 16 45.16 | -8 55.5 | 2.435 | 3.352 | 8.8 | 20.4 |
| 7 10 | 16 38.53 | -22 9.3 | 2.630 | 3.498 | 10.0 | 22.0 | 7 10 | 16 39.90 | -9 24.1 | 2.507 | 3.351 | 11.2 | 20.5 |
| 10344 | 1992 <i>CA</i> ₂ | | 6 7.1 141°64 | 2°9/ 6.6 18 | | | 150212 | 1998 <i>SV</i> ₇₉ | | 6 7.1 321°76 | 0°2/ 7.1 18 | | |
| 5 1 | 17 31.14 | -16 52.1 | 1.510 | 2.353 | 16.9 | 18.1 | 5 1 | 17 24.61 | -22 42.2 | 1.980 | 2.819 | 13.6 | 19.4 |
| 5 11 | 17 26.36 | -16 34.6 | 1.439 | 2.357 | 13.1 | 17.8 | 5 11 | 17 20.99 | -22 36.9 | 1.885 | 2.802 | 10.5 | 19.2 |
| 5 21 | 17 18.75 | -16 19.2 | 1.388 | 2.361 | 8.8 | 17.6 | 5 21 | 17 15.12 | -22 29.2 | 1.812 | 2.786 | 7.0 | 18.9 |
| 5 31 | 17 9.09 | -16 7.3 | 1.360 | 2.364 | 4.5 | 17.3 | 5 31 | 17 7.56 | -22 18.9 | 1.763 | 2.771 | 3.0 | 18.6 |
| 6 10 | 16 58.57 | -16 0.4 | 1.358 | 2.368 | 3.3 | 17.3 | 6 10 | 16 59.19 | -22 6.6 | 1.742 | 2.756 | 1.3 | 18.5 |
| 6 20 | 16 48.47 | -15 59.7 | 1.381 | 2.371 | 7.3 | 17.5 | 6 20 | 16 50.96 | -21 53.5 | 1.746 | 2.741 | 5.5 | 18.7 |
| 6 30 | 16 40.02 | -16 6.6 | 1.429 | 2.374 | 11.7 | 17.8 | 6 30 | 16 43.88 | -21 41.4 | 1.777 | 2.727 | 9.4 | 18.9 |
| 7 10 | 16 34.11 | -16 21.4 | 1.498 | 2.376 | 15.6 | 18.0 | 7 10 | 16 38.73 | -21 32.4 | 1.830 | 2.713 | 13.0 | 19.1 |
| 304755 | 2007 <i>AW</i> ₁₀ | | 6 7.1 186°26 | 5°2/ 5.7 18 | | | 22579 | Marcyaeager | | 6 7.1 346°53 | 0°7/ 7.2 18 | | |
| 5 1 | 17 25.02 | -3 35.1 | 3.002 | 3.794 | 10.6 | 21.3 | 5 1 | 17 23.59 | -22 43.8 | 1.076 | 1.953 | 19.7 | 18.0 |
| 5 11 | 17 20.24 | -3 9.5 | 2.919 | 3.794 | 8.7 | 21.1 | 5 11 | 17 21.88 | -23 8.4 | 1.004 | 1.942 | 15.4 | 17.7 |
| 5 21 | 17 14.08 | -2 51.4 | 2.860 | 3.793 | 6.8 | 21.0 | 5 21 | 17 16.58 | -23 32.9 | 0.949 | 1.932 | 10.3 | 17.4 |
| 5 31 | 17 6.96 | -2 42.9 | 2.828 | 3.792 | 5.5 | 20.9 | 5 31 | 17 8.42 | -23 55.5 | 0.915 | 1.924 | 4.5 | 17.0 |
| 6 10 | 16 59.43 | -2 45.5 | 2.823 | 3.790 | 5.4 | 20.9 | 6 10 | 16 58.83 | -24 14.5 | 0.903 | 1.917 | 1.9 | 16.8 |
| 6 20 | 16 52.07 | -2 59.5 | 2.845 | 3.788 | 6.6 | 21.0 | 6 20 | 16 49.52 | -24 29.4 | 0.912 | 1.911 | 7.9 | 17.2 |
| 6 30 | 16 45.44 | -3 24.8 | 2.894 | 3.785 | 8.5 | 21.1 | 6 30 | 16 42.26 | -24 41.7 | 0.941 | 1.908 | 13.6 | 17.5 |
| 7 10 | 16 40.02 | -4 0.1 | 2.968 | 3.782 | 10.4 | 21.2 | 7 10 | 16 38.29 | -24 54.0 | 0.990 | 1.905 | 18.5 | 17.7 |
| 242296 | 2003 <i>UH</i> ₂₉₉ | | 6 7.1 181°91 | 1°8/ 7.5 17 | | | 378265 | 2007 <i>ES</i> ₈ | | 6 7.1 37°57 | 4°1/ 7.9 17 | | |
| 5 1 | 17 29.60 | -27 20.4 | 2.058 | 2.882 | 13.7 | 21.3 | 5 1 | 17 30.14 | -31 0.5 | 1.408 | 2.250 | 17.9 | 20.0 |
| 5 11 | 17 24.70 | -27 36.2 | 1.975 | 2.882 | 10.7 | 21.1 | 5 11 | 17 26.04 | -31 32.1 | 1.349 | 2.263 | 14.1 | 19.8 |
| 5 21 | 17 17.45 | -27 47.4 | 1.914 | 2.882 | 7.2 | 20.8 | 5 21 | 17 18.72 | -31 54.5 | 1.309 | 2.277 | 9.9 | 19.6 |
| 5 31 | 17 8.50 | -27 52.0 | 1.878 | 2.882 | 3.5 | 20.6 | 5 31 | 17 9.11 | -32 3.8 | 1.292 | 2.291 | 5.7 | 19.4 |
| 6 10 | 16 58.80 | -27 49.5 | 1.870 | 2.882 | 2.1 | 20.5 | 6 10 | 16 58.62 | -31 58.5 | 1.299 | 2.306 | 4.2 | 19.4 |
| 6 20 | 16 49.38 | -27 40.4 | 1.889 | 2.881 | 5.4 | 20.7 | 6 20 | 16 48.78 | -31 39.9 | 1.330 | 2.321 | 7.3 | 19.6 |
| 6 30 | 16 41.25 | -27 26.7 | 1.934 | 2.881 | 9.0 | 20.9 | 6 30 | 16 40.96 | -31 12.1 | 1.385 | 2.337 | 11.3 | 19.8 |
| 7 10 | 16 35.18 | -27 11.5 | 2.003 | 2.880 | 12.3 | 21.1 | 7 10 | 16 36.05 | -30 40.8 | 1.461 | 2.354 | 15.0 | 20.1 |
| 15301 | Marutesser | | 6 7.1 230°40 | 1°1/ 6.8 18 | | | 261557 | 2005 <i>WQ</i> ₁₅₆ | | 6 7.1 325°00 | 3°5/ 7.3 18 | | |
| 5 1 | 17 27.33 | -19 51.8 | 2.256 | 3.083 | 12.5 | 19.0 | 5 1 | 17 28.37 | -28 54.1 | 1.896 | 2.724 | 14.5 | 20.5 |
| 5 11 | 17 22.66 | -19 42.9 | 2.166 | 3.077 | 9.7 | 18.8 | 5 11 | 17 24.29 | -29 51.0 | 1.803 | 2.711 | 11.5 | 20.3 |
| 5 21 | 17 15.98 | -19 33.5 | 2.099 | 3.070 | 6.4 | 18.5 | 5 21 | 17 17.55 | -30 45.2 | 1.732 | 2.697 | 8.1 | 20.0 |
| 5 31 | 17 7.85 | -19 24.0 | 2.057 | 3.063 | 2.9 | 18.3 | 5 31 | 17 8.70 | -31 33.0 | 1.686 | 2.684 | 4.7 | 19.8 |
| 6 10 | 16 59.07 | -19 14.9 | 2.044 | 3.056 | 1.7 | 18.2 | 6 10 | 16 58.72 | -32 11.1 | 1.666 | 2.672 | 3.7 | 19.7 |
| 6 20 | 16 50.47 | -19 7.3 | 2.058 | 3.049 | 5.2 | 18.4 | 6 20 | 16 48.80 | -32 37.7 | 1.672 | 2.660 | 6.5 | 19.8 |
| 6 30 | 16 42.93 | -19 2.5 | 2.099 | 3.042 | 8.7 | 18.6 | 6 30 | 16 40.15 | -32 53.5 | 1.704 | 2.648 | 10.2 | 20.0 |
| 7 10 | 16 37.12 | -19 1.8 | 2.165 | 3.034 | 11.8 | 18.8 | 7 10 | 16 33.77 | -33 1.3 | 1.758 | 2.637 | 13.6 | 20.2 |
| 385484 | 2003 <i>WB</i> ₁₂₂ | | 6 7.1 141°82 | 1°0/ 7.5 18 | | | 203047 | 2000 <i>EC</i> ₅₂ | | 6 7.1 281°60 | 1°1/ 6.9 18 R | | |
| 5 1 | 17 29.12 | -27 3.7 | 2.156 | 2.978 | 13.2 | 20.7 | 5 1 | 17 27.04 | -20 34.8 | 1.987 | 2.821 | 13.7 | 21.0 |
| 5 11 | 17 24.08 | -26 51.3 | 2.076 | 2.983 | 10.2 | 20.5 | 5 11 | 17 22.71 | -20 22.5 | 1.901 | 2.816 | 10.6 | 20.8 |
| 5 21 | 17 16.90 | -26 32.9 | 2.018 | 2.987 | 6.8 | 20.3 | 5 21 | 17 16.15 | -20 8.9 | 1.837 | 2.811 | 7.0 | 20.6 |
| 5 31 | 17 8.21 | -26 8.0 | 1.987 | 2.992 | 3.1 | 20.1 | 5 31 | 17 7.97 | -19 54.6 | 1.799 | 2.805 | 3.1 | 20.3 |
| 6 10 | 16 58.95 | -25 37.4 | 1.983 | 2.996 | 1.4 | 20.0 | 6 10 | 16 59.07 | -19 40.3 | 1.787 | 2.800 | 1.7 | 20.2 |
| 6 20 | 16 50.04 | -25 2.8 | 2.007 | 3.000 | 5.0 | 20.2 | 6 20 | 16 50.41 | -19 27.5 | 1.802 | 2.795 | 5.6 | 20.5 |
| 6 30 | 16 42.41 | -24 27.1 | 2.057 | 3.004 | 8.6 | 20.4 | 6 30 | 16 42.95 | -19 17.9 | 1.844 | 2.790 | 9.4 | 20.7 |
| 7 10 | 16 36.72 | -23 53.6 | 2.132 | 3.007 | 11.7 | 20.6 | 7 10 | 16 37.43 | -19 13.1 | 1.908 | 2.784 | 12.8 | 20.9 |
| 295669 | 2008 <i>TD</i> ₆₈ | | 6 7.1 232°06 | 0°2/ 7.1 16 | | | 502485 | 2015 <i>BY</i> ₃₅₅ | | 6 7.1 228°32 | 3°1/ 6.4 17 | | |
| 5 1 | 17 33.38 | -22 11.2 | 1.610 | 2.445 | 16.3 | 22.2 | 5 1 | 17 30.72 | -14 59.0 | 2.069 | 2.892 | 13.7 | 22.4 |
| 5 11 | 17 28.32 | -22 14.4 | 1.520 | 2.435 | 12.8 | 21.9 | 5 11 | 17 25.47 | -14 37.9 | 1.973 | 2.879 | 10.7 | 22.1 |
| 5 21 | 17 20.25 | -22 16.0 | 1.450 | 2.423 | 8.5 | 21.6 | 5 21 | 17 17.97 | -14 18.9 | 1.899 | 2.866 | 7.4 | 21.9 |
| 5 31 | 17 9.84 | -22 15.0 | 1.404 | 2.412 | 3.6 | 21.3 | 5 31 | 17 8.77 | -14 3.5 | 1.851 | 2.851 | 4.1 | 21.7 |
| 6 10 | 16 58.24 | -22 11.0 | 1.385 | 2.399 | 1.5 | 21.1 | 6 10 | 16 58.74 | -13 53.4 | 1.831 | 2.836 | 3.5 | 21.6 |
| 6 20 | 16 46.82 | -22 4.9 | 1.392 | 2.386 | 6.6 | 21.4 | 6 20 | 16 48.84 | -13 49.8 | 1.838 | 2.821 | 6.5 | 21.8 |
| 6 30 | 16 36.97 | -21 58.9 | 1.424 | 2.372 | 11.4 | 21.6 | 6 30 | 16 40.06 | -13 53.7 | 1.872 | 2.804 | 10.1 | 22.0 |
| 7 10 | 16 29.72 | -21 55.7 | 1.478 | 2.358 | 15.7 | 21.9 | 7 10 | 16 33.18 | -14 5.7 | 1.929 | 2.787 | 13.5 | 22.1 |
| 253806 | 2003 <i>XO</i> ₄₃ | | 6 7.1 67°58 | 4°2/ 8.1 17 | | | 379759 | 2011 <i>HU</i> ₅ | | 6 7.1 93°14 | 5°2/ 5.5 17 | | |
| 5 1 | 17 32.32 | -32 31.1 | 1.516 | 2.347 | 17.4 | 20.3 | 5 1 | 17 28.30 | -12 11.5 | 1.852 | 2.682 | 14.7 | 20.4 |
| 5 11 | 17 27.65 | -32 49.7 | 1.446 | 2.353 | 13.8 | 20.1 | 5 11 | 17 23.44 | -11 5.1 | 1.789 | 2.696 | 11.6 | 20.2 |
| 5 21 | 17 19.77 | -32 57.6 | 1.395 | 2.358 | 9.8 | 19.8 | 5 21 | 17 16.45 | -10 2.2 | 1.748 | 2.710 | 8.3 | 20.1 |
| 5 31 | 17 9.56 | -32 51.0 | 1.367 | 2.364 | 5.8 | 19.6 | 5 31 | 17 8.02 | -9 6.7 | 1.733 | 2.724 | 5.7 | 19.9 |
| 6 10 | 16 58.40 | -32 28.6 | 1.364 | 2.370 | 4.3 | 19.5 | 6 10 | 16 59.10 | -8 22.3 | 1.744 | 2.737 | 5.5 | 19.9 |
| 6 20 | 16 47.81 | -31 52.3 | 1.386 | 2.376 | 7.2 | 19.7 | 6 20 | 16 50.65 | -7 51.7 | 1.781 | 2.750 | 7.9 | 20.1 |
| 6 30 | 16 39.18 | -31 7.1 | 1.432 | 2.382 | 11.3 | 20.0 | 6 30 | 16 43.54 | -7 36.1 | 1.843 | 2.763 | 11.0 | 20.3 |
| 7 10 | 16 33.45 | -30 19.3 | 1.500 | 2.388 | 15.0 | 20.2 | 7 10 | 16 38.39 | -7 35.0 | 1.928 | 2.776 | 13.9 | 20.5 |
| 195566 | 2002 <i>JR</i> ₈₀ | | 6 7.1 344°32 | 1°1/ 7.3 17 | | | 336399 | 2008 <i>UP</i> ₁₁₈ | | 6 7.1 283°41 | 2°9/ 7.7 18 | | |

EPHEMERIDES

6 7.1

6 7.2

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|-------------|-------|---------|------|---------------|------------------------|-----------------|-------------|-------|---------|------|
| 397708 | 2008 CG ₂₀₃ | 6 7.1 305°76 | 5°2/ 5.5 16 | | | | 380283 | 2002 AM ₁₅₆ | 6 7.1 183°31 | 2°2/ 6.6 17 | | | |
| 5 1 | 17 24.25 | - 9 2.3 | 2.271 | 3.094 | 12.6 | 21.7 | 5 1 | 17 29.98 | -16 0.5 | 2.562 | 3.375 | 11.6 | 22.6 |
| 5 11 | 17 20.14 | - 8 16.5 | 2.192 | 3.091 | 10.1 | 21.5 | 5 11 | 17 24.36 | -15 49.3 | 2.474 | 3.375 | 9.0 | 22.4 |
| 5 21 | 17 14.25 | - 7 35.9 | 2.135 | 3.089 | 7.5 | 21.3 | 5 21 | 17 16.95 | -15 39.7 | 2.410 | 3.376 | 6.1 | 22.2 |
| 5 31 | 17 7.11 | - 7 3.4 | 2.103 | 3.087 | 5.5 | 21.2 | 5 31 | 17 8.27 | -15 32.4 | 2.373 | 3.375 | 3.2 | 22.0 |
| 6 10 | 16 59.45 | - 6 41.7 | 2.099 | 3.085 | 5.4 | 21.2 | 6 10 | 16 59.03 | -15 28.4 | 2.365 | 3.373 | 2.5 | 22.0 |
| 6 20 | 16 52.02 | - 6 32.3 | 2.120 | 3.083 | 7.3 | 21.3 | 6 20 | 16 50.01 | -15 28.2 | 2.387 | 3.371 | 5.1 | 22.2 |
| 6 30 | 16 45.56 | - 6 35.7 | 2.167 | 3.081 | 9.9 | 21.5 | 6 30 | 16 41.94 | -15 32.6 | 2.436 | 3.368 | 8.2 | 22.3 |
| 7 10 | 16 40.65 | - 6 51.3 | 2.237 | 3.079 | 12.5 | 21.6 | 7 10 | 16 35.44 | -15 42.1 | 2.511 | 3.364 | 10.9 | 22.5 |
| 462162 | 2007 TY ₁₈₁ | 6 7.1 79°87 | 0°9/ 7.0 17 | | | | 302349 | 2002 AT ₁₇₄ | 6 7.1 123°82 | 3°4/ 6.5 18 | | | |
| 5 1 | 17 32.07 | -20 48.7 | 1.412 | 2.258 | 17.6 | 21.5 | 5 1 | 17 25.89 | -12 6.7 | 2.334 | 3.157 | 12.3 | 20.4 |
| 5 11 | 17 27.20 | -20 48.8 | 1.351 | 2.272 | 13.6 | 21.3 | 5 11 | 17 21.37 | -11 56.2 | 2.255 | 3.159 | 9.7 | 20.2 |
| 5 21 | 17 19.34 | -20 48.3 | 1.310 | 2.286 | 8.9 | 21.1 | 5 21 | 17 15.05 | -11 50.5 | 2.199 | 3.161 | 6.8 | 20.0 |
| 5 31 | 17 9.36 | -20 46.9 | 1.292 | 2.300 | 3.8 | 20.8 | 5 31 | 17 7.47 | -11 50.9 | 2.168 | 3.164 | 4.2 | 19.9 |
| 6 10 | 16 58.58 | -20 44.8 | 1.300 | 2.314 | 1.8 | 20.7 | 6 10 | 16 59.36 | -11 58.4 | 2.165 | 3.166 | 3.7 | 19.8 |
| 6 20 | 16 48.40 | -20 43.1 | 1.333 | 2.327 | 6.8 | 21.1 | 6 20 | 16 51.47 | -12 13.1 | 2.189 | 3.168 | 5.9 | 20.0 |
| 6 30 | 16 40.10 | -20 43.7 | 1.389 | 2.341 | 11.4 | 21.4 | 6 30 | 16 44.55 | -12 35.3 | 2.240 | 3.170 | 8.8 | 20.2 |
| 7 10 | 16 34.53 | -20 48.4 | 1.468 | 2.354 | 15.4 | 21.6 | 7 10 | 16 39.21 | -13 4.2 | 2.315 | 3.172 | 11.6 | 20.3 |
| 291702 | 2006 JM ₂ | 6 7.1 80°18 | 2°7/ 6.6 17 | | | | 163707 | 2003 FS ₁₁₃ | 6 7.1 359°42 | 5°2/ 7.9 17 | | | |
| 5 1 | 17 27.42 | -16 13.3 | 1.901 | 2.736 | 14.2 | 21.0 | 5 1 | 17 26.99 | -31 23.7 | 1.050 | 1.916 | 20.9 | 19.4 |
| 5 11 | 17 22.94 | -15 55.2 | 1.826 | 2.740 | 11.0 | 20.8 | 5 11 | 17 24.82 | -32 1.3 | 0.985 | 1.913 | 16.7 | 19.2 |
| 5 21 | 17 16.25 | -15 39.1 | 1.773 | 2.744 | 7.4 | 20.6 | 5 21 | 17 18.64 | -32 28.2 | 0.938 | 1.911 | 11.9 | 18.9 |
| 5 31 | 17 8.00 | -15 26.5 | 1.746 | 2.749 | 3.9 | 20.4 | 5 31 | 17 9.33 | -32 38.9 | 0.910 | 1.910 | 7.1 | 18.6 |
| 6 10 | 16 59.11 | -15 18.6 | 1.744 | 2.753 | 3.1 | 20.3 | 6 10 | 16 58.58 | -32 30.2 | 0.903 | 1.911 | 5.3 | 18.5 |
| 6 20 | 16 50.54 | -15 16.7 | 1.770 | 2.757 | 6.3 | 20.5 | 6 20 | 16 48.40 | -32 3.5 | 0.917 | 1.912 | 9.0 | 18.7 |
| 6 30 | 16 43.24 | -15 21.6 | 1.821 | 2.761 | 9.9 | 20.7 | 6 30 | 16 40.67 | -31 24.4 | 0.952 | 1.915 | 13.9 | 19.0 |
| 7 10 | 16 37.91 | -15 33.7 | 1.895 | 2.766 | 13.2 | 21.0 | 7 10 | 16 36.60 | -30 40.8 | 1.005 | 1.919 | 18.5 | 19.3 |
| 384119 | 2008 WV ₁₄₀ | 6 7.1 166°62 | 2°5/ 6.6 18 | | | | 472100 | 2014 AF ₂₂ | 6 7.1 25°87 | 0°8/ 7.0 17 | | | |
| 5 1 | 17 28.51 | -14 51.1 | 2.466 | 3.283 | 11.9 | 22.0 | 5 1 | 17 27.87 | -20 20.2 | 1.851 | 2.688 | 14.4 | 21.6 |
| 5 11 | 17 23.26 | -14 42.8 | 2.385 | 3.288 | 9.3 | 21.8 | 5 11 | 17 23.48 | -20 26.0 | 1.774 | 2.690 | 11.2 | 21.4 |
| 5 21 | 17 16.23 | -14 37.3 | 2.326 | 3.292 | 6.3 | 21.6 | 5 21 | 17 16.73 | -20 32.1 | 1.718 | 2.692 | 7.3 | 21.2 |
| 5 31 | 17 7.95 | -14 35.3 | 2.295 | 3.296 | 3.4 | 21.4 | 5 31 | 17 8.26 | -20 38.0 | 1.687 | 2.694 | 3.2 | 20.9 |
| 6 10 | 16 59.13 | -14 37.5 | 2.292 | 3.299 | 2.8 | 21.4 | 6 10 | 16 59.04 | -20 43.9 | 1.682 | 2.696 | 1.5 | 20.8 |
| 6 20 | 16 50.56 | -14 44.6 | 2.318 | 3.301 | 5.3 | 21.6 | 6 20 | 16 50.11 | -20 50.0 | 1.705 | 2.698 | 5.7 | 21.1 |
| 6 30 | 16 42.96 | -14 56.8 | 2.371 | 3.303 | 8.3 | 21.7 | 6 30 | 16 42.51 | -20 57.6 | 1.752 | 2.701 | 9.7 | 21.3 |
| 7 10 | 16 36.94 | -15 14.3 | 2.449 | 3.305 | 11.1 | 21.9 | 7 10 | 16 36.99 | -21 7.8 | 1.823 | 2.703 | 13.2 | 21.5 |
| 40467 | 1999 RE ₄₆ | 6 7.1 279°59 | 5°4/ 8.0 18 | | | | 245795 | 2006 HA ₅₀ | 6 7.1 13°26 | 3°1/ 6.7 17 | | | |
| 5 1 | 17 32.63 | -33 52.7 | 1.545 | 2.372 | 17.3 | 18.4 | 5 1 | 17 24.71 | -17 52.8 | 1.016 | 1.895 | 20.4 | 20.2 |
| 5 11 | 17 28.37 | -34 29.3 | 1.452 | 2.355 | 14.1 | 18.2 | 5 11 | 17 22.47 | -17 32.1 | 0.960 | 1.898 | 15.9 | 20.0 |
| 5 21 | 17 20.66 | -34 56.3 | 1.379 | 2.338 | 10.3 | 17.9 | 5 21 | 17 16.72 | -17 13.4 | 0.920 | 1.902 | 10.6 | 19.7 |
| 5 31 | 17 10.16 | -35 8.3 | 1.328 | 2.320 | 6.8 | 17.6 | 5 31 | 17 8.39 | -16 59.1 | 0.901 | 1.908 | 5.2 | 19.4 |
| 6 10 | 16 58.17 | -35 1.6 | 1.301 | 2.303 | 5.5 | 17.5 | 6 10 | 16 59.00 | -16 51.5 | 0.903 | 1.915 | 3.7 | 19.3 |
| 6 20 | 16 46.34 | -34 36.0 | 1.299 | 2.285 | 8.2 | 17.6 | 6 20 | 16 50.22 | -16 52.2 | 0.927 | 1.923 | 8.7 | 19.6 |
| 6 30 | 16 36.31 | -33 55.5 | 1.321 | 2.268 | 12.3 | 17.8 | 6 30 | 16 43.59 | -17 2.6 | 0.971 | 1.933 | 13.9 | 20.0 |
| 7 10 | 16 29.35 | -33 7.2 | 1.364 | 2.250 | 16.4 | 18.0 | 7 10 | 16 40.12 | -17 22.8 | 1.034 | 1.943 | 18.5 | 20.3 |
| 483153 | 2015 PF ₂ | 6 7.1 295°93 | 3°1/ 7.8 18 | | | | 157107 | 2004 JY ₃₅ | 6 7.1 282°40 | 3°5/ 7.6 17 | | | |
| 5 1 | 17 27.67 | -31 6.0 | 2.232 | 3.050 | 13.0 | 21.2 | 5 1 | 17 32.32 | -28 50.1 | 1.362 | 2.206 | 18.3 | 19.6 |
| 5 11 | 17 23.32 | -31 30.5 | 2.133 | 3.033 | 10.3 | 21.0 | 5 11 | 17 28.48 | -29 23.0 | 1.268 | 2.185 | 14.6 | 19.3 |
| 5 21 | 17 16.66 | -31 48.9 | 2.056 | 3.017 | 7.3 | 20.8 | 5 21 | 17 20.98 | -29 50.7 | 1.193 | 2.164 | 10.2 | 19.0 |
| 5 31 | 17 8.26 | -31 58.7 | 2.003 | 3.000 | 4.3 | 20.6 | 5 31 | 17 10.40 | -30 8.5 | 1.140 | 2.143 | 5.6 | 18.7 |
| 6 10 | 16 58.99 | -31 58.5 | 1.978 | 2.984 | 3.2 | 20.5 | 6 10 | 16 58.09 | -30 13.0 | 1.111 | 2.121 | 3.8 | 18.5 |
| 6 20 | 16 49.83 | -31 48.4 | 1.980 | 2.968 | 5.6 | 20.6 | 6 20 | 16 45.76 | -30 3.3 | 1.106 | 2.100 | 8.0 | 18.7 |
| 6 30 | 16 41.80 | -31 30.3 | 2.008 | 2.952 | 8.9 | 20.8 | 6 30 | 16 35.26 | -29 42.7 | 1.124 | 2.078 | 13.2 | 18.9 |
| 7 10 | 16 35.72 | -31 7.6 | 2.060 | 2.936 | 12.0 | 20.9 | 7 10 | 16 28.01 | -29 17.1 | 1.162 | 2.056 | 18.0 | 19.1 |
| 387787 | 2003 UA ₃₁₅ | 6 7.1 248°61 | 0°5/ 7.2 17 | | | | 375000 | 2007 EN ₂₂₃ | 6 7.2 47°85 | 3°5/ 7.5 17 | | | |
| 5 1 | 17 28.99 | -23 9.2 | 1.988 | 2.818 | 13.9 | 21.1 | 5 1 | 17 31.72 | -28 38.0 | 1.562 | 2.398 | 16.7 | 20.4 |
| 5 11 | 17 24.31 | -23 27.3 | 1.903 | 2.815 | 10.8 | 20.9 | 5 11 | 17 27.06 | -29 31.2 | 1.497 | 2.408 | 13.1 | 20.2 |
| 5 21 | 17 17.27 | -23 44.1 | 1.840 | 2.812 | 7.1 | 20.7 | 5 21 | 17 19.37 | -30 19.6 | 1.452 | 2.420 | 9.1 | 19.9 |
| 5 31 | 17 8.50 | -23 58.4 | 1.802 | 2.808 | 3.1 | 20.4 | 5 31 | 17 9.45 | -30 58.8 | 1.431 | 2.431 | 5.1 | 19.7 |
| 6 10 | 16 58.91 | -24 9.4 | 1.791 | 2.805 | 1.3 | 20.3 | 6 10 | 16 58.57 | -31 25.7 | 1.435 | 2.443 | 3.7 | 19.7 |
| 6 20 | 16 49.55 | -24 17.2 | 1.808 | 2.802 | 5.4 | 20.6 | 6 20 | 16 48.14 | -31 39.5 | 1.465 | 2.455 | 6.9 | 19.9 |
| 6 30 | 16 41.42 | -24 22.8 | 1.851 | 2.799 | 9.3 | 20.8 | 6 30 | 16 39.50 | -31 42.6 | 1.519 | 2.468 | 10.9 | 20.2 |
| 7 10 | 16 35.35 | -24 28.3 | 1.917 | 2.795 | 12.7 | 21.0 | 7 10 | 16 33.60 | -31 39.0 | 1.596 | 2.480 | 14.5 | 20.4 |
| 134865 | 2000 QO ₅ | 6 7.1 289°38 | 5°1/ 5.7 18 | | | | 302078 | 2000 WC ₁₄₇ | 6 7.2 177°86 | 6°6/ 4.3 18 | | | |
| 5 1 | 17 24.81 | - 9 45.9 | 2.140 | 2.966 | 13.2 | 19.8 | 5 1 | 17 24.00 | + 5 56.0 | 3.719 | 4.465 | 9.5 | 21.3 |
| 5 11 | 17 20.81 | - 9 6.1 | 2.048 | 2.950 | 10.6 | 19.6 | 5 11 | 17 19.20 | + 6 38.6 | 3.644 | 4.468 | 8.3 | 21.2 |
| 5 21 | 17 14.85 | - 8 31.2 | 1.977 | 2.935 | 7.8 | 19.4 | 5 21 | 17 13.30 | + 7 11.7 | 3.593 | 4.469 | 7.3 | 21.2 |
| 5 31 | 17 7.44 | - 8 4.1 | 1.932 | 2.919 | 5.6 | 19.2 | 5 31 | 17 6.65 | + 7 32.7 | 3.568 | 4.470 | 6.6 | 21.1 |
| 6 10 | 16 59.34 | - 7 47.6 | 1.913 | 2.904 | 5.4 | 19.2 | 6 10 | 16 59.71 | + 7 40.1 | 3.569 | 4.471 | 6.7 | 21.1 |
| 6 20 | 16 51.37 | - 7 43.1 | 1.921 | 2.889 | 7.5 | 19.3 | 6 20 | 16 52.91 | + 7 33.2 | 3.596 | 4.471 | 7.4 | 21.2 |
| 6 30 | 16 44.38 | - 7 51.6 | 1.953 | 2.873 | 10.5 | 19.4 | 6 30 | 16 46.70 | + 7 12.5 | 3.648 | 4.470 | 8.5 | 21.2 |
| 7 10 | 16 39.06 | - 8 12.4 | 2.008 | 2.858 | 13.4 | 19.6 | 7 10 | 16 41.47 | + 6 39.4 | 3.723 | 4.468 | 9.7 | 21.3 |
| 186246 | 2001 XD ₁₇₀ | 6 7.1 116°74 | 0°7/ 6.9 17 | | | | 244223 | 2002 AY ₁ | | | | | |

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6 7.2

6 7.2

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|-------------|---------|------|---------------|------------------------|-----------------|--------------|---------------|---------|------|
| 72183 | 2000 YB ₁₁₇ | | 6 7.2 122°28 | 0°3/ 7.1 18 | | | 235138 | 2003 QP ₆₈ | | 6 7.2 279°20 | 8°0/ 4.2 18 | | |
| 5 1 | 17 33.16 | -21 50.2 | 1.732 | 2.563 | 15.5 | 19.5 | 5 1 | 17 26.58 | -4 6.5 | 2.015 | 2.829 | 14.3 | 20.3 |
| 5 11 | 17 27.58 | -21 53.7 | 1.664 | 2.577 | 12.0 | 19.3 | 5 11 | 17 22.38 | -2 57.0 | 1.917 | 2.803 | 12.0 | 20.1 |
| 5 21 | 17 19.40 | -21 55.8 | 1.617 | 2.590 | 7.9 | 19.1 | 5 21 | 17 16.03 | -1 54.4 | 1.840 | 2.777 | 9.7 | 19.9 |
| 5 31 | 17 9.38 | -21 55.6 | 1.596 | 2.603 | 3.3 | 18.8 | 5 31 | 17 8.03 | -1 3.8 | 1.787 | 2.751 | 8.1 | 19.7 |
| 6 10 | 16 58.65 | -21 53.4 | 1.601 | 2.615 | 1.4 | 18.7 | 6 10 | 16 59.18 | -0 29.8 | 1.760 | 2.724 | 8.3 | 19.7 |
| 6 20 | 16 48.40 | -21 49.8 | 1.633 | 2.626 | 5.9 | 19.0 | 6 20 | 16 50.37 | -0 15.4 | 1.758 | 2.698 | 10.2 | 19.7 |
| 6 30 | 16 39.74 | -21 46.7 | 1.691 | 2.637 | 10.1 | 19.3 | 6 30 | 16 42.54 | -0 21.8 | 1.779 | 2.670 | 12.9 | 19.8 |
| 7 10 | 16 33.45 | -21 46.3 | 1.771 | 2.648 | 13.7 | 19.5 | 7 10 | 16 36.49 | -0 47.8 | 1.821 | 2.643 | 15.7 | 20.0 |
| 345055 | 2005 GO ₁₀₉ | | 6 7.2 331°39 | 1°4/ 6.8 17 | | | 435751 | 2008 US ₁₆₀ | | 6 7.2 251°11 | 1°4/ 7.4 17 | | |
| 5 1 | 17 26.87 | -19 37.4 | 1.972 | 2.808 | 13.8 | 21.5 | 5 1 | 17 29.87 | -25 32.5 | 2.017 | 2.843 | 13.8 | 21.4 |
| 5 11 | 17 22.56 | -19 25.4 | 1.891 | 2.806 | 10.6 | 21.3 | 5 11 | 17 25.09 | -25 57.1 | 1.926 | 2.835 | 10.8 | 21.2 |
| 5 21 | 17 16.06 | -19 13.0 | 1.832 | 2.805 | 7.0 | 21.1 | 5 21 | 17 17.88 | -26 19.1 | 1.857 | 2.827 | 7.3 | 20.9 |
| 5 31 | 17 7.97 | -19 0.8 | 1.797 | 2.803 | 3.2 | 20.8 | 5 31 | 17 8.82 | -26 36.6 | 1.814 | 2.819 | 3.4 | 20.7 |
| 6 10 | 16 59.19 | -18 49.8 | 1.790 | 2.802 | 1.9 | 20.7 | 6 10 | 16 58.87 | -26 48.3 | 1.798 | 2.811 | 1.8 | 20.5 |
| 6 20 | 16 50.69 | -18 41.1 | 1.809 | 2.801 | 5.6 | 21.0 | 6 20 | 16 49.08 | -26 54.0 | 1.809 | 2.802 | 5.5 | 20.8 |
| 6 30 | 16 43.40 | -18 36.2 | 1.855 | 2.800 | 9.4 | 21.2 | 6 30 | 16 40.53 | -26 55.1 | 1.847 | 2.794 | 9.3 | 21.0 |
| 7 10 | 16 38.04 | -18 36.5 | 1.923 | 2.799 | 12.8 | 21.4 | 7 10 | 16 34.06 | -26 54.2 | 1.907 | 2.785 | 12.8 | 21.2 |
| 342227 | 2008 SW ₂₆₆ | | 6 7.2 288°95 | 3°7/ 8.2 18 | | | 345487 | 2006 HP ₁₀₃ | | 6 7.2 265°74 | 7°7/ 4.8 17 | | |
| 5 1 | 17 30.52 | -33 13.0 | 1.810 | 2.631 | 15.4 | 20.6 | 5 1 | 17 26.23 | -2 32.8 | 2.157 | 2.962 | 13.8 | 21.3 |
| 5 11 | 17 26.12 | -33 11.8 | 1.708 | 2.609 | 12.4 | 20.4 | 5 11 | 17 21.90 | -1 37.9 | 2.065 | 2.944 | 11.6 | 21.1 |
| 5 21 | 17 18.82 | -32 59.2 | 1.626 | 2.587 | 8.9 | 20.1 | 5 21 | 17 15.59 | -0 52.0 | 1.994 | 2.926 | 9.4 | 21.0 |
| 5 31 | 17 9.29 | -32 32.1 | 1.568 | 2.565 | 5.3 | 19.9 | 5 31 | 17 7.80 | -0 19.5 | 1.948 | 2.907 | 7.9 | 20.8 |
| 6 10 | 16 58.63 | -31 49.6 | 1.536 | 2.543 | 3.7 | 19.7 | 6 10 | 16 59.29 | -0 3.9 | 1.928 | 2.889 | 8.0 | 20.8 |
| 6 20 | 16 48.17 | -30 53.6 | 1.530 | 2.521 | 6.6 | 19.8 | 6 20 | 16 50.88 | -0 7.1 | 1.932 | 2.869 | 9.6 | 20.8 |
| 6 30 | 16 39.22 | -29 48.8 | 1.550 | 2.498 | 10.6 | 20.0 | 6 30 | 16 43.43 | -0 29.2 | 1.961 | 2.850 | 12.0 | 21.0 |
| 7 10 | 16 32.79 | -28 41.6 | 1.592 | 2.476 | 14.5 | 20.2 | 7 10 | 16 37.64 | -1 8.5 | 2.012 | 2.830 | 14.5 | 21.1 |
| 507557 | 2013 AF ₂₀ | | 6 7.2 169°19 | 6°0/ 5.4 18 | | | 340809 | 2006 UA ₃ | | 6 7.2 284°36 | 3°7/ 5.5 18 | | |
| 5 1 | 17 26.28 | + 3 27.2 | 3.576 | 4.331 | 9.7 | 23.4 | 5 1 | 17 21.33 | -10 10.9 | 3.206 | 4.020 | 9.5 | 21.2 |
| 5 11 | 17 20.95 | + 3 51.4 | 3.500 | 4.336 | 8.3 | 23.3 | 5 11 | 17 17.50 | -9 32.7 | 3.106 | 4.002 | 7.6 | 21.0 |
| 5 21 | 17 14.44 | + 4 6.2 | 3.447 | 4.342 | 7.0 | 23.2 | 5 21 | 17 12.38 | -8 57.4 | 3.031 | 3.985 | 5.6 | 20.9 |
| 5 31 | 17 7.15 | + 4 9.4 | 3.421 | 4.346 | 6.2 | 23.1 | 5 31 | 17 6.34 | -8 27.0 | 2.982 | 3.968 | 4.0 | 20.7 |
| 6 10 | 16 59.54 | + 3 59.9 | 3.422 | 4.349 | 6.1 | 23.1 | 6 10 | 16 59.89 | -8 3.3 | 2.962 | 3.950 | 3.9 | 20.7 |
| 6 20 | 16 52.11 | + 3 37.5 | 3.450 | 4.352 | 6.9 | 23.2 | 6 20 | 16 53.53 | -7 47.4 | 2.970 | 3.933 | 5.4 | 20.8 |
| 6 30 | 16 45.31 | + 3 2.8 | 3.506 | 4.355 | 8.2 | 23.3 | 6 30 | 16 47.80 | -7 40.3 | 3.004 | 3.916 | 7.5 | 20.9 |
| 7 10 | 16 39.57 | + 2 17.5 | 3.585 | 4.356 | 9.6 | 23.4 | 7 10 | 16 43.13 | -7 42.0 | 3.063 | 3.898 | 9.6 | 21.0 |
| 320329 | 2007 TB ₇₆ | | 6 7.2 236°38 | 0°7/ 7.3 17 | | | 20633 | 1999 TU ₉₃ | | 6 7.2 142°97 | 0°8/ 6.9 18 | | |
| 5 1 | 17 33.19 | -25 0.7 | 1.844 | 2.670 | 15.0 | 22.2 | 5 1 | 17 26.18 | -20 15.3 | 2.749 | 3.568 | 10.7 | 19.0 |
| 5 11 | 17 27.90 | -25 1.5 | 1.747 | 2.656 | 11.7 | 21.9 | 5 11 | 17 21.35 | -20 10.4 | 2.668 | 3.575 | 8.3 | 18.9 |
| 5 21 | 17 19.86 | -24 58.1 | 1.670 | 2.641 | 7.8 | 21.7 | 5 21 | 17 14.94 | -20 4.8 | 2.612 | 3.582 | 5.4 | 18.7 |
| 5 31 | 17 9.70 | -24 49.0 | 1.619 | 2.625 | 3.5 | 21.4 | 5 31 | 17 7.43 | -19 58.9 | 2.583 | 3.589 | 2.4 | 18.5 |
| 6 10 | 16 58.47 | -24 34.0 | 1.595 | 2.609 | 1.5 | 21.2 | 6 10 | 16 59.47 | -19 53.1 | 2.582 | 3.595 | 1.3 | 18.4 |
| 6 20 | 16 47.38 | -24 14.1 | 1.598 | 2.592 | 6.0 | 21.5 | 6 20 | 16 51.75 | -19 48.0 | 2.610 | 3.601 | 4.2 | 18.6 |
| 6 30 | 16 37.68 | -23 52.1 | 1.627 | 2.574 | 10.4 | 21.7 | 6 30 | 16 44.92 | -19 44.8 | 2.666 | 3.607 | 7.1 | 18.8 |
| 7 10 | 16 30.33 | -23 31.5 | 1.679 | 2.555 | 14.3 | 21.9 | 7 10 | 16 39.50 | -19 44.2 | 2.748 | 3.612 | 9.7 | 19.0 |
| 390781 | 2003 WG ₁₀₅ | | 6 7.2 249°36 | 0°5/ 7.3 18 | | | 38324 | 1999 RA ₁₂₈ | | 6 7.2 304°99 | 1°1/ 6.9 18 | | |
| 5 1 | 17 29.50 | -23 52.8 | 2.289 | 3.110 | 12.6 | 21.8 | 5 1 | 17 27.50 | -20 57.2 | 1.717 | 2.559 | 15.2 | 19.2 |
| 5 11 | 17 24.53 | -24 2.7 | 2.187 | 3.094 | 9.8 | 21.6 | 5 11 | 17 23.48 | -20 44.6 | 1.632 | 2.551 | 11.8 | 18.9 |
| 5 21 | 17 17.37 | -24 10.6 | 2.107 | 3.077 | 6.5 | 21.4 | 5 21 | 17 16.91 | -20 30.2 | 1.568 | 2.543 | 7.8 | 18.7 |
| 5 31 | 17 8.57 | -24 15.3 | 2.054 | 3.060 | 2.9 | 21.1 | 5 31 | 17 8.42 | -20 14.7 | 1.528 | 2.535 | 3.4 | 18.4 |
| 6 10 | 16 58.93 | -24 16.4 | 2.028 | 3.042 | 1.2 | 20.9 | 6 10 | 16 59.05 | -19 58.9 | 1.514 | 2.527 | 1.8 | 18.2 |
| 6 20 | 16 49.38 | -24 14.2 | 2.031 | 3.024 | 5.0 | 21.2 | 6 20 | 16 49.94 | -19 44.4 | 1.526 | 2.520 | 6.2 | 18.5 |
| 6 30 | 16 40.86 | -24 10.1 | 2.062 | 3.006 | 8.7 | 21.4 | 6 30 | 16 42.20 | -19 33.5 | 1.563 | 2.513 | 10.5 | 18.7 |
| 7 10 | 16 34.14 | -24 6.2 | 2.116 | 2.987 | 12.0 | 21.5 | 7 10 | 16 36.71 | -19 28.0 | 1.622 | 2.506 | 14.3 | 19.0 |
| 313402 | 2002 PU ₇₅ | | 6 7.2 355°09 | 4°7/ 7.9 17 | | | 175997 | 2000 QZ ₁₅₉ | | 6 7.2 294°57 | 4°5/ 8.7 18 | | |
| 5 1 | 17 23.85 | -30 36.1 | 1.051 | 1.923 | 20.5 | 19.5 | 5 1 | 17 29.90 | -36 29.7 | 2.091 | 2.896 | 14.1 | 19.8 |
| 5 11 | 17 22.36 | -31 11.0 | 0.985 | 1.916 | 16.4 | 19.3 | 5 11 | 17 25.31 | -36 33.2 | 1.987 | 2.875 | 11.5 | 19.6 |
| 5 21 | 17 17.03 | -31 35.9 | 0.935 | 1.911 | 11.6 | 19.0 | 5 21 | 17 18.11 | -36 24.6 | 1.904 | 2.854 | 8.6 | 19.4 |
| 5 31 | 17 8.68 | -31 46.1 | 0.905 | 1.907 | 6.7 | 18.7 | 5 31 | 17 8.95 | -36 0.6 | 1.845 | 2.833 | 5.7 | 19.1 |
| 6 10 | 16 58.91 | -31 38.9 | 0.896 | 1.905 | 4.9 | 18.6 | 6 10 | 16 58.84 | -35 20.3 | 1.813 | 2.812 | 4.6 | 19.0 |
| 6 20 | 16 49.62 | -31 15.3 | 0.908 | 1.905 | 8.7 | 18.8 | 6 20 | 16 48.96 | -34 25.0 | 1.808 | 2.791 | 6.5 | 19.1 |
| 6 30 | 16 42.65 | -30 40.6 | 0.941 | 1.906 | 13.7 | 19.1 | 6 30 | 16 40.45 | -33 18.8 | 1.828 | 2.771 | 9.7 | 19.3 |
| 7 10 | 16 39.19 | -30 1.8 | 0.991 | 1.908 | 18.4 | 19.3 | 7 10 | 16 34.22 | -32 7.8 | 1.872 | 2.750 | 13.0 | 19.4 |
| 21466 | Franpelrine | | 6 7.2 42°29 | 2°2/ 6.8 18 | | | 75495 | 1999 XM ₁₈₁ | | 6 7.2 182°25 | 4°2/ 8.2 17 R | | |
| 5 1 | 17 29.09 | -18 36.4 | 1.230 | 2.090 | 18.8 | 17.8 | 5 1 | 17 35.06 | -34 6.9 | 1.992 | 2.797 | 14.8 | 20.2 |
| 5 11 | 17 25.22 | -18 24.1 | 1.175 | 2.103 | 14.6 | 17.6 | 5 11 | 17 29.18 | -34 26.6 | 1.908 | 2.798 | 11.8 | 20.0 |
| 5 21 | 17 18.20 | -18 13.3 | 1.138 | 2.116 | 9.6 | 17.3 | 5 21 | 17 20.57 | -34 36.4 | 1.845 | 2.799 | 8.6 | 19.8 |
| 5 31 | 17 8.95 | -18 4.9 | 1.123 | 2.130 | 4.5 | 17.1 | 5 31 | 17 9.96 | -34 32.8 | 1.807 | 2.798 | 5.4 | 19.6 |
| 6 10 | 16 58.87 | -18 0.1 | 1.132 | 2.144 | 2.9 | 17.0 | 6 10 | 16 58.47 | -34 14.2 | 1.796 | 2.798 | 4.2 | 19.5 |
| 6 20 | 16 49.45 | -18 0.3 | 1.164 | 2.159 | 7.6 | 17.3 | 6 20 | 16 47.37 | -33 41.8 | 1.812 | 2.796 | 6.5 | 19.6 |
| 6 30 | 16 42.02 | -18 6.9 | 1.220 | 2.174 | 12.4 | 17.7 | 6 30 | 16 37.85 | -32 59.4 | 1.854 | 2.794 | 9.8 | 19.8 |
| 7 10 | 16 37.44 | -18 20.5 | 1.295 | 2.190 | 16.5 | 17.9 | 7 10 | 16 30.77 | -32 12.2 | 1.920 | 2.791 | 13.0 | 20.0 |
| 96109 | 4192 T-2 | | 6 7.2 139°49 | 1°7/ 6.7 17 | | | 489604 | 2007 TR ₁₉₀ | | 6 7.2 341°98 | 2°1/ 7.6 16 | | |
| 5 1 | 17 29.56 | -18 17.7 | 2.289 | 3.110 | 12.6 | | | | | | | | |

EPHEMERIDES

6 7.2

6 7.2

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 478722 | 2012 <i>UO</i> ₅₆ | | 6 7.2 247°04 | 0°2/ 7.1 16 | | | 14029 | 1994 <i>UC</i> ₁ | | 6 7.2 336°76 | 0°9/ 7.3 18 | | |
| 5 1 | 17 28.16 | -23 7.5 | 2.135 | 2.962 | 13.1 | 22.3 | 5 1 | 17 27.62 | -24 32.7 | 1.376 | 2.231 | 17.5 | 17.4 |
| 5 11 | 17 23.52 | -22 54.7 | 2.042 | 2.953 | 10.2 | 22.1 | 5 11 | 17 24.30 | -24 42.1 | 1.298 | 2.223 | 13.7 | 17.1 |
| 5 21 | 17 16.70 | -22 38.7 | 1.972 | 2.944 | 6.7 | 21.8 | 5 21 | 17 17.83 | -24 48.0 | 1.239 | 2.216 | 9.1 | 16.8 |
| 5 31 | 17 8.28 | -22 19.3 | 1.927 | 2.934 | 2.9 | 21.6 | 5 31 | 17 8.94 | -24 48.7 | 1.203 | 2.210 | 4.1 | 16.5 |
| 6 10 | 16 59.14 | -21 57.5 | 1.910 | 2.924 | 1.2 | 21.4 | 6 10 | 16 58.90 | -24 43.8 | 1.190 | 2.204 | 1.7 | 16.3 |
| 6 20 | 16 50.20 | -21 34.6 | 1.921 | 2.914 | 5.2 | 21.7 | 6 20 | 16 49.18 | -24 34.3 | 1.202 | 2.199 | 6.9 | 16.6 |
| 6 30 | 16 42.41 | -21 12.9 | 1.958 | 2.904 | 9.0 | 21.9 | 6 30 | 16 41.21 | -24 22.9 | 1.237 | 2.195 | 11.9 | 16.9 |
| 7 10 | 16 36.50 | -20 54.7 | 2.019 | 2.893 | 12.3 | 22.1 | 7 10 | 16 36.05 | -24 13.1 | 1.292 | 2.191 | 16.2 | 17.1 |
| 410716 | 2009 <i>BO</i> ₅₆ | | 6 7.2 115°02 | 0°7/ 7.1 17 | | | 64251 | 2001 <i>TC</i> ₁₆₈ | | 6 7.2 67°75 | 0°5/ 7.4 17 | | |
| 5 1 | 17 32.81 | -19 58.6 | 1.439 | 2.283 | 17.5 | 21.7 | 5 1 | 17 31.27 | -27 47.0 | 1.628 | 2.462 | 16.2 | 18.6 |
| 5 11 | 17 27.94 | -20 15.2 | 1.369 | 2.289 | 13.6 | 21.5 | 5 11 | 17 26.27 | -26 58.4 | 1.559 | 2.473 | 12.6 | 18.4 |
| 5 21 | 17 20.00 | -20 33.4 | 1.319 | 2.294 | 9.0 | 21.2 | 5 21 | 17 18.57 | -25 59.6 | 1.511 | 2.483 | 8.3 | 18.1 |
| 5 31 | 17 9.77 | -20 52.0 | 1.292 | 2.300 | 3.9 | 20.9 | 5 31 | 17 9.06 | -24 51.5 | 1.487 | 2.494 | 3.6 | 17.9 |
| 6 10 | 16 58.55 | -21 10.1 | 1.291 | 2.305 | 1.7 | 20.8 | 6 10 | 16 58.94 | -23 37.2 | 1.491 | 2.505 | 1.4 | 17.7 |
| 6 20 | 16 47.75 | -21 27.4 | 1.315 | 2.310 | 6.8 | 21.1 | 6 20 | 16 49.48 | -22 21.6 | 1.521 | 2.516 | 6.0 | 18.1 |
| 6 30 | 16 38.75 | -21 44.9 | 1.364 | 2.315 | 11.6 | 21.4 | 6 30 | 16 41.77 | -21 10.4 | 1.576 | 2.527 | 10.4 | 18.4 |
| 7 10 | 16 32.50 | -22 4.1 | 1.433 | 2.320 | 15.7 | 21.7 | 7 10 | 16 36.53 | -20 8.3 | 1.654 | 2.537 | 14.1 | 18.6 |
| 106216 | 2000 <i>US</i> ₃₅ | | 6 7.2 183°01 | 0°3/ 7.2 18 | | | 80810 | 2000 <i>CC</i> ₁₁₅ | | 6 7.2 124°80 | 6°4/ 6.2 18 | | |
| 5 1 | 17 26.93 | -24 2.0 | 2.836 | 3.651 | 10.6 | 20.8 | 5 1 | 17 27.58 | -3 52.3 | 2.168 | 2.974 | 13.7 | 19.6 |
| 5 11 | 17 21.97 | -24 0.3 | 2.748 | 3.652 | 8.2 | 20.7 | 5 11 | 17 22.72 | -3 28.3 | 2.097 | 2.981 | 11.2 | 19.5 |
| 5 21 | 17 15.38 | -23 56.1 | 2.683 | 3.652 | 5.4 | 20.5 | 5 21 | 17 15.99 | -3 14.8 | 2.048 | 2.988 | 8.7 | 19.3 |
| 5 31 | 17 7.64 | -23 48.9 | 2.645 | 3.651 | 2.3 | 20.3 | 5 31 | 17 7.94 | -3 14.5 | 2.024 | 2.994 | 6.8 | 19.2 |
| 6 10 | 16 59.41 | -23 39.0 | 2.636 | 3.650 | 0.9 | 20.2 | 6 10 | 16 59.37 | -3 29.0 | 2.026 | 3.001 | 6.6 | 19.2 |
| 6 20 | 16 51.38 | -23 27.1 | 2.657 | 3.649 | 4.0 | 20.4 | 6 20 | 16 51.08 | -3 58.3 | 2.054 | 3.007 | 8.2 | 19.3 |
| 6 30 | 16 44.23 | -23 14.7 | 2.705 | 3.647 | 7.0 | 20.6 | 6 30 | 16 43.86 | -4 41.3 | 2.108 | 3.013 | 10.6 | 19.5 |
| 7 10 | 16 38.50 | -23 3.3 | 2.779 | 3.645 | 9.6 | 20.8 | 7 10 | 16 38.33 | -5 35.6 | 2.185 | 3.019 | 13.0 | 19.7 |
| 140211 | 2001 <i>SZ</i> ₂₃₀ | | 6 7.2 268°21 | 1°4/ 6.8 18 | | | 242261 | 2003 <i>SM</i> ₃₁₂ | | 6 7.2 286°18 | 5°0/ 7.5 18 | | |
| 5 1 | 17 26.75 | -19 23.7 | 2.207 | 3.037 | 12.7 | 20.3 | 5 1 | 17 33.27 | -30 59.6 | 1.505 | 2.337 | 17.4 | 20.1 |
| 5 11 | 17 22.36 | -19 13.0 | 2.112 | 3.024 | 9.9 | 20.1 | 5 11 | 17 29.17 | -31 58.0 | 1.405 | 2.313 | 14.1 | 19.9 |
| 5 21 | 17 15.91 | -19 2.0 | 2.039 | 3.011 | 6.5 | 19.8 | 5 21 | 17 21.47 | -32 52.5 | 1.325 | 2.289 | 10.2 | 19.6 |
| 5 31 | 17 7.95 | -18 51.1 | 1.993 | 2.998 | 3.0 | 19.6 | 5 31 | 17 10.73 | -33 37.2 | 1.268 | 2.264 | 6.4 | 19.3 |
| 6 10 | 16 59.27 | -18 41.3 | 1.973 | 2.985 | 1.8 | 19.5 | 6 10 | 16 58.15 | -34 6.8 | 1.235 | 2.239 | 5.2 | 19.1 |
| 6 20 | 16 50.74 | -18 33.5 | 1.981 | 2.972 | 5.3 | 19.7 | 6 20 | 16 45.38 | -34 18.4 | 1.227 | 2.214 | 8.5 | 19.3 |
| 6 30 | 16 43.23 | -18 29.1 | 2.016 | 2.959 | 8.9 | 19.9 | 6 30 | 16 34.26 | -34 13.7 | 1.242 | 2.188 | 13.0 | 19.4 |
| 7 10 | 16 37.46 | -18 29.4 | 2.075 | 2.946 | 12.2 | 20.1 | 7 10 | 16 26.25 | -33 58.2 | 1.278 | 2.163 | 17.3 | 19.6 |
| 337163 | 1999 <i>UU</i> ₂₃ | | 6 7.2 268°34 | 0°5/ 7.3 18 | | | 41176 | 1999 <i>VP</i> ₁₈₆ | | 6 7.2 306°57 | 3°6/ 7.2 18 | | |
| 5 1 | 17 29.92 | -25 23.8 | 2.124 | 2.947 | 13.3 | 21.1 | 5 1 | 17 30.87 | -27 32.3 | 1.657 | 2.491 | 16.0 | 18.7 |
| 5 11 | 17 25.08 | -25 10.4 | 2.015 | 2.923 | 10.4 | 20.8 | 5 11 | 17 26.82 | -28 39.0 | 1.557 | 2.469 | 12.7 | 18.5 |
| 5 21 | 17 17.87 | -24 51.7 | 1.928 | 2.899 | 7.0 | 20.6 | 5 21 | 17 19.65 | -29 45.8 | 1.479 | 2.447 | 8.9 | 18.2 |
| 5 31 | 17 8.85 | -24 27.0 | 1.867 | 2.873 | 3.1 | 20.3 | 5 31 | 17 9.86 | -30 48.1 | 1.424 | 2.425 | 5.1 | 17.9 |
| 6 10 | 16 58.90 | -23 56.7 | 1.834 | 2.848 | 1.2 | 20.1 | 6 10 | 16 58.52 | -31 41.2 | 1.395 | 2.403 | 3.9 | 17.8 |
| 6 20 | 16 49.02 | -23 22.6 | 1.828 | 2.822 | 5.4 | 20.3 | 6 20 | 16 47.02 | -32 21.8 | 1.392 | 2.382 | 7.3 | 17.9 |
| 6 30 | 16 40.27 | -22 47.5 | 1.849 | 2.795 | 9.4 | 20.5 | 6 30 | 16 36.89 | -32 49.8 | 1.414 | 2.361 | 11.7 | 18.1 |
| 7 10 | 16 33.49 | -22 14.8 | 1.894 | 2.768 | 13.0 | 20.7 | 7 10 | 16 29.40 | -33 8.0 | 1.457 | 2.340 | 15.7 | 18.3 |
| 147102 | 2002 <i>TD</i> ₃₆ | | 6 7.2 312°58 | 0°7/ 7.3 18 | | | 192354 | 1995 <i>TV</i> ₂ | | 6 7.2 231°68 | 5°9/ 8.3 18 | | |
| 5 1 | 17 27.31 | -23 46.9 | 1.353 | 2.209 | 17.7 | 19.8 | 5 1 | 17 35.19 | -39 25.6 | 2.403 | 3.182 | 13.3 | 21.1 |
| 5 11 | 17 24.33 | -23 58.1 | 1.262 | 2.189 | 13.9 | 19.5 | 5 11 | 17 29.29 | -40 13.1 | 2.303 | 3.169 | 11.1 | 20.9 |
| 5 21 | 17 18.06 | -24 6.9 | 1.191 | 2.168 | 9.3 | 19.2 | 5 21 | 17 20.74 | -40 50.8 | 2.225 | 3.155 | 8.7 | 20.7 |
| 5 31 | 17 9.14 | -24 11.8 | 1.141 | 2.149 | 4.1 | 18.8 | 5 31 | 17 10.14 | -41 14.1 | 2.172 | 3.140 | 6.6 | 20.6 |
| 6 10 | 16 58.76 | -24 11.9 | 1.115 | 2.129 | 1.7 | 18.6 | 6 10 | 16 58.47 | -41 19.8 | 2.146 | 3.125 | 5.9 | 20.5 |
| 6 20 | 16 48.45 | -24 7.8 | 1.113 | 2.110 | 7.3 | 18.9 | 6 20 | 16 46.92 | -41 7.4 | 2.147 | 3.110 | 7.3 | 20.6 |
| 6 30 | 16 39.80 | -24 1.8 | 1.134 | 2.092 | 12.6 | 19.1 | 6 30 | 16 36.67 | -40 39.1 | 2.175 | 3.093 | 9.6 | 20.7 |
| 7 10 | 16 34.05 | -23 57.4 | 1.174 | 2.075 | 17.4 | 19.3 | 7 10 | 16 28.65 | -39 59.8 | 2.226 | 3.076 | 12.2 | 20.8 |
| 39849 | Giampieri | | 6 7.2 254°71 | 3°5/ 7.9 18 | | | 202924 | 1998 <i>OK</i> ₅ | | 6 7.2 270°38 | 0°7/ 6.9 18 | | |
| 5 1 | 17 32.59 | -31 26.9 | 1.575 | 2.405 | 16.9 | 19.0 | 5 1 | 17 28.03 | -22 10.2 | 1.967 | 2.799 | 13.9 | 20.6 |
| 5 11 | 17 27.97 | -31 34.9 | 1.489 | 2.397 | 13.5 | 18.7 | 5 11 | 17 23.64 | -21 50.9 | 1.873 | 2.787 | 10.8 | 20.4 |
| 5 21 | 17 20.16 | -31 32.8 | 1.423 | 2.388 | 9.5 | 18.5 | 5 21 | 17 16.91 | -21 28.5 | 1.800 | 2.774 | 7.1 | 20.1 |
| 5 31 | 17 9.91 | -31 17.3 | 1.380 | 2.380 | 5.3 | 18.2 | 5 31 | 17 8.46 | -21 3.2 | 1.754 | 2.760 | 3.1 | 19.8 |
| 6 10 | 16 58.52 | -30 47.1 | 1.362 | 2.371 | 3.6 | 18.1 | 6 10 | 16 59.18 | -20 36.2 | 1.734 | 2.747 | 1.5 | 19.7 |
| 6 20 | 16 47.47 | -30 4.2 | 1.370 | 2.362 | 7.0 | 18.3 | 6 20 | 16 50.09 | -20 9.5 | 1.741 | 2.734 | 5.7 | 19.9 |
| 6 30 | 16 38.23 | -29 13.4 | 1.402 | 2.353 | 11.4 | 18.5 | 6 30 | 16 42.21 | -19 45.5 | 1.774 | 2.720 | 9.7 | 20.2 |
| 7 10 | 16 31.82 | -28 21.0 | 1.456 | 2.343 | 15.4 | 18.7 | 7 10 | 16 36.35 | -19 26.7 | 1.830 | 2.707 | 13.3 | 20.3 |
| 467499 | 2006 <i>WR</i> ₁₆₇ | | 6 7.2 294°94 | 0°7/ 7.2 17 | | | 302710 | 2002 <i>TO</i> ₂₀₉ | | 6 7.2 272°69 | 4°6/ 7.9 18 | | |
| 5 1 | 17 29.89 | -22 57.3 | 1.501 | 2.346 | 16.8 | 21.5 | 5 1 | 17 31.20 | -33 55.9 | 2.102 | 2.911 | 14.0 | 20.8 |
| 5 11 | 17 26.10 | -23 22.5 | 1.404 | 2.324 | 13.2 | 21.2 | 5 11 | 17 26.38 | -34 37.8 | 2.003 | 2.895 | 11.3 | 20.6 |
| 5 21 | 17 19.14 | -23 47.9 | 1.327 | 2.302 | 8.9 | 20.9 | 5 21 | 17 18.92 | -35 12.5 | 1.926 | 2.879 | 8.3 | 20.4 |
| 5 31 | 17 9.60 | -24 11.5 | 1.273 | 2.281 | 3.9 | 20.6 | 5 31 | 17 9.40 | -35 36.0 | 1.874 | 2.862 | 5.6 | 20.2 |
| 6 10 | 16 58.58 | -24 31.6 | 1.245 | 2.259 | 1.7 | 20.4 | 6 10 | 16 58.78 | -35 45.7 | 1.848 | 2.846 | 4.7 | 20.1 |
| 6 20 | 16 47.53 | -24 47.3 | 1.241 | 2.237 | 7.0 | 20.6 | 6 20 | 16 48.25 | -35 40.8 | 1.849 | 2.829 | 6.7 | 20.2 |
| 6 30 | 16 37.96 | -24 59.6 | 1.261 | 2.215 | 12.1 | 20.9 | 6 30 | 16 39.00 | -35 23.4 | 1.875 | 2.812 | 9.9 | 20.4 |
| 7 10 | 16 31.11 | -25 11.0 | 1.302 | 2.194 | 16.6 | 21.1 | 7 10 | 16 31.98 | -34 57.8 | 1.925 | 2.795 | 13.0 | 20.5 |
| 428267 | 2007 <i>DB</i> ₃₃ | | 6 7.2 42°23 | 7°8/ 8.8 17 | | | 259683 | 2003 <i>XE</i> ₁₅ | | 6 7.2 | | | |

EPHEMERIDES

6 7.2

6 7.2

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------|---------|------|---------------|-------------------------------|-----------------|-------------|-------|---------|------|
| 255679 | 2006 <i>QF</i> ₄₉ | 6 7.2 332°35 | 3°7/ 7.5 17 | | | | 253917 | 2004 <i>CK</i> ₂₆ | 6 7.2 185°78 | 1°1/ 7.4 17 | | | |
| 5 1 | 17 25.54 | -28 4.3 | 1.148 | 2.014 | 19.5 | 19.8 | 5 1 | 17 32.41 | -25 56.6 | 1.915 | 2.739 | 14.5 | 22.1 |
| 5 11 | 17 23.60 | -28 44.7 | 1.067 | 1.997 | 15.5 | 19.5 | 5 11 | 17 27.05 | -25 59.1 | 1.831 | 2.739 | 11.3 | 21.9 |
| 5 21 | 17 17.94 | -29 20.4 | 1.005 | 1.981 | 10.8 | 19.2 | 5 21 | 17 19.16 | -25 56.7 | 1.769 | 2.739 | 7.6 | 21.7 |
| 5 31 | 17 9.21 | -29 47.0 | 0.962 | 1.966 | 5.9 | 18.8 | 5 31 | 17 9.42 | -25 48.3 | 1.732 | 2.738 | 3.4 | 21.4 |
| 6 10 | 16 58.83 | -30 1.0 | 0.942 | 1.952 | 4.0 | 18.7 | 6 10 | 16 58.86 | -25 33.5 | 1.723 | 2.736 | 1.6 | 21.3 |
| 6 20 | 16 48.60 | -30 1.3 | 0.943 | 1.940 | 8.4 | 18.9 | 6 20 | 16 48.62 | -25 13.7 | 1.741 | 2.734 | 5.6 | 21.5 |
| 6 30 | 16 40.39 | -29 50.8 | 0.965 | 1.928 | 13.7 | 19.1 | 6 30 | 16 39.80 | -24 51.6 | 1.785 | 2.732 | 9.6 | 21.8 |
| 7 10 | 16 35.60 | -29 34.9 | 1.006 | 1.918 | 18.6 | 19.4 | 7 10 | 16 33.23 | -24 30.4 | 1.853 | 2.729 | 13.2 | 22.0 |
| 153679 | 2001 <i>TN</i> ₂₀₆ | 6 7.2 105°97 | 2°8/ 6.9 15 | | | | 352395 | 2007 <i>WM</i> ₅₁ | 6 7.2 209°51 | 2°2/ 6.3 16 | | | |
| 5 1 | 17 33.52 | -13 5.0 | 2.023 | 2.839 | 14.2 | 20.3 | 5 1 | 17 27.30 | -18 22.1 | 2.404 | 3.227 | 12.0 | 22.1 |
| 5 11 | 17 27.35 | -13 21.1 | 1.960 | 2.862 | 11.0 | 20.1 | 5 11 | 17 22.48 | -17 41.0 | 2.315 | 3.223 | 9.3 | 21.9 |
| 5 21 | 17 19.04 | -13 42.9 | 1.919 | 2.884 | 7.5 | 20.0 | 5 21 | 17 15.85 | -16 58.5 | 2.249 | 3.218 | 6.2 | 21.7 |
| 5 31 | 17 9.25 | -14 10.5 | 1.905 | 2.905 | 4.1 | 19.8 | 5 31 | 17 7.93 | -16 16.2 | 2.210 | 3.213 | 3.2 | 21.5 |
| 6 10 | 16 58.92 | -14 43.3 | 1.919 | 2.926 | 3.1 | 19.8 | 6 10 | 16 59.46 | -15 36.2 | 2.200 | 3.208 | 2.6 | 21.4 |
| 6 20 | 16 49.02 | -15 20.5 | 1.961 | 2.946 | 6.0 | 20.0 | 6 20 | 16 51.24 | -15 0.7 | 2.218 | 3.202 | 5.4 | 21.6 |
| 6 30 | 16 40.44 | -16 1.2 | 2.031 | 2.966 | 9.3 | 20.2 | 6 30 | 16 44.01 | -14 31.7 | 2.263 | 3.196 | 8.6 | 21.8 |
| 7 10 | 16 33.86 | -16 44.9 | 2.124 | 2.985 | 12.3 | 20.4 | 7 10 | 16 38.39 | -14 10.8 | 2.332 | 3.190 | 11.5 | 22.0 |
| 269123 | 2007 <i>NF</i> ₂ | 6 7.2 355°45 | 11°5/ 5.5 18 | | | | 438235 | 2005 <i>UB</i> ₅₂₄ | 6 7.2 241°82 | 1°9/ 6.7 18 | | | |
| 5 1 | 17 20.69 | -1 33.3 | 1.209 | 2.061 | 19.6 | 19.0 | 5 1 | 17 26.03 | -17 0.8 | 2.568 | 3.390 | 11.3 | 21.9 |
| 5 11 | 17 18.83 | -0 24.3 | 1.147 | 2.054 | 16.7 | 18.8 | 5 11 | 17 21.49 | -16 50.6 | 2.473 | 3.380 | 8.8 | 21.7 |
| 5 21 | 17 14.14 | + 0 27.6 | 1.103 | 2.048 | 13.8 | 18.6 | 5 21 | 17 15.21 | -16 41.6 | 2.401 | 3.370 | 5.9 | 21.5 |
| 5 31 | 17 7.35 | + 0 54.3 | 1.077 | 2.044 | 11.8 | 18.4 | 5 31 | 17 7.68 | -16 34.4 | 2.356 | 3.359 | 3.0 | 21.3 |
| 6 10 | 16 59.63 | + 0 50.4 | 1.072 | 2.042 | 11.7 | 18.4 | 6 10 | 16 59.55 | -16 29.9 | 2.339 | 3.349 | 2.2 | 21.2 |
| 6 20 | 16 52.26 | + 0 14.4 | 1.088 | 2.041 | 13.6 | 18.5 | 6 20 | 16 51.56 | -16 28.9 | 2.351 | 3.338 | 4.9 | 21.4 |
| 6 30 | 16 46.49 | - 0 50.8 | 1.123 | 2.042 | 16.5 | 18.7 | 6 30 | 16 44.43 | -16 32.1 | 2.390 | 3.327 | 8.0 | 21.6 |
| 7 10 | 16 43.24 | - 2 19.0 | 1.175 | 2.044 | 19.6 | 18.9 | 7 10 | 16 38.77 | -16 40.1 | 2.453 | 3.315 | 10.8 | 21.7 |
| 501681 | 2014 <i>TF</i> ₄₈ | 6 7.2 238°26 | 0°7/ 7.3 17 | | | | 106728 | 2000 <i>WR</i> ₁₈₂ | 6 7.2 188°02 | 4°8/ 6.1 18 | | | |
| 5 1 | 17 33.63 | -24 57.0 | 1.810 | 2.636 | 15.2 | 22.9 | 5 1 | 17 25.83 | - 6 35.9 | 2.629 | 3.435 | 11.6 | 19.9 |
| 5 11 | 17 28.35 | -24 56.3 | 1.711 | 2.621 | 11.9 | 22.7 | 5 11 | 17 21.15 | - 6 17.0 | 2.546 | 3.434 | 9.3 | 19.7 |
| 5 21 | 17 20.25 | -24 51.3 | 1.634 | 2.605 | 8.0 | 22.4 | 5 21 | 17 14.89 | - 6 5.3 | 2.487 | 3.433 | 7.0 | 19.6 |
| 5 31 | 17 9.97 | -24 40.5 | 1.582 | 2.588 | 3.5 | 22.1 | 5 31 | 17 7.50 | - 6 2.7 | 2.454 | 3.432 | 5.2 | 19.5 |
| 6 10 | 16 58.57 | -24 23.6 | 1.557 | 2.571 | 1.5 | 21.9 | 6 10 | 16 59.63 | - 6 10.4 | 2.448 | 3.431 | 5.0 | 19.4 |
| 6 20 | 16 47.31 | -24 1.9 | 1.559 | 2.552 | 6.1 | 22.2 | 6 20 | 16 51.94 | - 6 28.8 | 2.469 | 3.429 | 6.6 | 19.5 |
| 6 30 | 16 37.45 | -23 38.2 | 1.587 | 2.533 | 10.6 | 22.4 | 6 30 | 16 45.09 | - 6 57.7 | 2.518 | 3.427 | 8.9 | 19.7 |
| 7 10 | 16 29.99 | -23 16.2 | 1.637 | 2.514 | 14.6 | 22.6 | 7 10 | 16 39.62 | - 7 35.7 | 2.590 | 3.425 | 11.2 | 19.8 |
| 499865 | 2011 <i>FX</i> ₄ | 6 7.2 78°00 | 1°9/ 6.9 17 | | | | 384049 | 2008 <i>UW</i> ₂₁₇ | 6 7.2 251°75 | 2°0/ 6.5 15 | | | |
| 5 1 | 17 31.03 | -17 39.9 | 1.714 | 2.549 | 15.5 | 21.6 | 5 1 | 17 28.83 | -19 47.7 | 2.141 | 2.968 | 13.1 | 21.5 |
| 5 11 | 17 25.84 | -17 40.2 | 1.654 | 2.569 | 11.9 | 21.4 | 5 11 | 17 24.03 | -19 6.6 | 2.041 | 2.952 | 10.2 | 21.3 |
| 5 21 | 17 18.22 | -17 42.6 | 1.617 | 2.589 | 7.9 | 21.2 | 5 21 | 17 17.07 | -18 22.4 | 1.965 | 2.935 | 6.8 | 21.0 |
| 5 31 | 17 8.93 | -17 47.3 | 1.603 | 2.609 | 3.7 | 21.0 | 5 31 | 17 8.53 | -17 36.6 | 1.914 | 2.919 | 3.3 | 20.8 |
| 6 10 | 16 59.05 | -17 54.7 | 1.617 | 2.629 | 2.4 | 20.9 | 6 10 | 16 59.22 | -16 51.4 | 1.891 | 2.901 | 2.4 | 20.7 |
| 6 20 | 16 49.70 | -18 5.0 | 1.657 | 2.648 | 6.1 | 21.2 | 6 20 | 16 50.10 | -16 9.6 | 1.896 | 2.884 | 5.9 | 20.9 |
| 6 30 | 16 41.87 | -18 19.0 | 1.723 | 2.668 | 10.0 | 21.5 | 6 30 | 16 42.07 | -15 34.0 | 1.928 | 2.866 | 9.6 | 21.0 |
| 7 10 | 16 36.29 | -18 37.1 | 1.811 | 2.687 | 13.4 | 21.7 | 7 10 | 16 35.88 | -15 6.8 | 1.984 | 2.848 | 12.9 | 21.2 |
| 377679 | 2005 <i>UE</i> ₄₃₁ | 6 7.2 152°40 | 1°1/ 7.4 17 | | | | 45994 | 2001 <i>BQ</i> ₇₁ | 6 7.2 38°17 | 3°7/ 6.6 18 | | | |
| 5 1 | 17 31.36 | -26 3.6 | 2.003 | 2.827 | 14.0 | 22.4 | 5 1 | 17 28.76 | -15 22.5 | 1.342 | 2.195 | 18.0 | 19.2 |
| 5 11 | 17 26.07 | -26 7.9 | 1.925 | 2.832 | 10.9 | 22.2 | 5 11 | 17 24.83 | -15 2.1 | 1.278 | 2.201 | 14.0 | 18.9 |
| 5 21 | 17 18.40 | -26 7.6 | 1.868 | 2.837 | 7.3 | 22.0 | 5 21 | 17 17.96 | -14 45.9 | 1.234 | 2.208 | 9.6 | 18.7 |
| 5 31 | 17 9.05 | -26 1.5 | 1.837 | 2.842 | 3.3 | 21.7 | 5 31 | 17 8.95 | -14 35.9 | 1.212 | 2.215 | 5.2 | 18.5 |
| 6 10 | 16 58.99 | -25 49.4 | 1.833 | 2.847 | 1.5 | 21.6 | 6 10 | 16 59.08 | -14 33.9 | 1.214 | 2.222 | 4.1 | 18.4 |
| 6 20 | 16 49.29 | -25 32.4 | 1.857 | 2.851 | 5.3 | 21.9 | 6 20 | 16 49.70 | -14 41.0 | 1.240 | 2.229 | 8.0 | 18.7 |
| 6 30 | 16 40.96 | -25 13.1 | 1.908 | 2.855 | 9.1 | 22.1 | 6 30 | 16 42.08 | -14 57.8 | 1.289 | 2.237 | 12.4 | 18.9 |
| 7 10 | 16 34.75 | -24 54.4 | 1.982 | 2.858 | 12.4 | 22.3 | 7 10 | 16 37.11 | -15 23.7 | 1.359 | 2.245 | 16.4 | 19.2 |
| 148534 | 2001 <i>QQ</i> ₃₉ | 6 7.2 292°11 | 2°2/ 6.8 18 | | | | 497032 | 2003 <i>SG</i> | 6 7.2 286°96 | 4°5/ 5.9 17 | | | |
| 5 1 | 17 28.48 | -17 57.3 | 1.588 | 2.433 | 16.1 | 20.1 | 5 1 | 17 30.01 | -15 47.5 | 1.561 | 2.403 | 16.4 | 22.4 |
| 5 11 | 17 24.65 | -17 48.1 | 1.491 | 2.411 | 12.6 | 19.8 | 5 11 | 17 25.99 | -14 53.5 | 1.453 | 2.370 | 13.1 | 22.1 |
| 5 21 | 17 17.99 | -17 40.4 | 1.415 | 2.389 | 8.5 | 19.5 | 5 21 | 17 19.01 | -13 57.4 | 1.365 | 2.335 | 9.2 | 21.7 |
| 5 31 | 17 9.07 | -17 34.9 | 1.361 | 2.367 | 4.1 | 19.2 | 5 31 | 17 9.59 | -13 2.3 | 1.301 | 2.301 | 5.5 | 21.4 |
| 6 10 | 16 58.93 | -17 32.9 | 1.333 | 2.345 | 2.8 | 19.1 | 6 10 | 16 58.75 | -12 12.5 | 1.261 | 2.266 | 5.1 | 21.3 |
| 6 20 | 16 48.81 | -17 35.2 | 1.331 | 2.323 | 7.2 | 19.3 | 6 20 | 16 47.79 | -11 32.3 | 1.247 | 2.230 | 8.9 | 21.4 |
| 6 30 | 16 40.04 | -17 43.4 | 1.352 | 2.301 | 11.9 | 19.5 | 6 30 | 16 38.12 | -11 5.8 | 1.257 | 2.194 | 13.7 | 21.6 |
| 7 10 | 16 33.69 | -17 58.6 | 1.395 | 2.279 | 16.2 | 19.7 | 7 10 | 16 30.89 | -10 55.2 | 1.287 | 2.157 | 18.2 | 21.8 |
| 95228 | 2002 <i>CS</i> ₂₉ | 6 7.2 283°49 | 4°2/ 6.8 18 | | | | 268417 | 2005 <i>UL</i> ₃₇₃ | 6 7.2 117°88 | 2°2/ 7.6 17 | | | |
| 5 1 | 17 29.61 | -11 8.1 | 1.780 | 2.609 | 15.3 | 19.3 | 5 1 | 17 31.64 | -27 53.5 | 1.823 | 2.650 | 15.1 | 20.9 |
| 5 11 | 17 25.15 | -11 11.6 | 1.682 | 2.589 | 12.2 | 19.0 | 5 11 | 17 26.60 | -28 14.7 | 1.748 | 2.656 | 11.8 | 20.7 |
| 5 21 | 17 18.13 | -11 23.5 | 1.605 | 2.569 | 8.7 | 18.8 | 5 21 | 17 18.93 | -28 30.5 | 1.694 | 2.662 | 8.0 | 20.4 |
| 5 31 | 17 9.08 | -11 45.4 | 1.552 | 2.549 | 5.3 | 18.5 | 5 31 | 17 9.35 | -28 38.6 | 1.665 | 2.668 | 4.1 | 20.2 |
| 6 10 | 16 58.93 | -12 18.2 | 1.525 | 2.529 | 4.5 | 18.4 | 6 10 | 16 58.95 | -28 37.9 | 1.663 | 2.674 | 2.5 | 20.1 |
| 6 20 | 16 48.78 | -13 1.3 | 1.525 | 2.508 | 7.5 | 18.6 | 6 20 | 16 48.94 | -28 28.9 | 1.687 | 2.680 | 5.9 | 20.3 |
| 6 30 | 16 39.79 | -13 53.6 | 1.550 | 2.488 | 11.5 | 18.7 | 6 30 | 16 40.44 | -28 14.3 | 1.737 | 2.685 | 9.8 | 20.6 |
| 7 10 | 16 32.92 | -14 53.5 | 1.597 | 2.467 | 15.2 | 18.9 | 7 10 | 16 34.30 | -27 57.6 | 1.810 | 2.690 | 13.2 | 20.8 |
| 437559 | 2014 <i>AL</i> ₁ | 6 7.2 116°32 | 1°7/ 7.6 17 | | | | 504663 | 2009 <i>AV</i> ₄₅ | | | | | |

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6 7.2

6 7.2

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|---------------|-----------|---------|------|---------------|------------------------|-----------------|---------------|-----------|---------|------|
| 5354 | Hisayo | | 6 7.2 50°58' | 2.0°/ 6.7 | 18 | | 336150 | 2008 QF ₄₄ | | 6 7.2 226°68' | 3.9°/ 6.1 | 17 | |
| 5 1 | 17 25.66 | -17 9.1 | 2.246 | 3.075 | 12.5 | 16.9 | 5 1 | 17 28.14 | -12 47.4 | 2.191 | 3.013 | 13.0 | 21.3 |
| 5 11 | 17 21.35 | -16 57.9 | 2.168 | 3.080 | 9.7 | 16.8 | 5 11 | 17 23.36 | -12 16.1 | 2.100 | 3.004 | 10.3 | 21.1 |
| 5 21 | 17 15.16 | -16 48.0 | 2.113 | 3.084 | 6.5 | 16.6 | 5 21 | 17 16.57 | -11 48.0 | 2.032 | 2.995 | 7.3 | 20.9 |
| 5 31 | 17 7.67 | -16 40.3 | 2.084 | 3.088 | 3.2 | 16.4 | 5 31 | 17 8.32 | -11 25.2 | 1.990 | 2.985 | 4.6 | 20.7 |
| 6 10 | 16 59.63 | -16 35.8 | 2.083 | 3.092 | 2.4 | 16.3 | 6 10 | 16 59.38 | -11 9.7 | 1.975 | 2.975 | 4.2 | 20.6 |
| 6 20 | 16 51.85 | -16 35.3 | 2.109 | 3.097 | 5.3 | 16.5 | 6 20 | 16 50.62 | -11 2.9 | 1.987 | 2.964 | 6.6 | 20.8 |
| 6 30 | 16 45.11 | -16 39.5 | 2.161 | 3.102 | 8.5 | 16.7 | 6 30 | 16 42.89 | -11 5.8 | 2.026 | 2.953 | 9.8 | 20.9 |
| 7 10 | 16 40.03 | -16 49.0 | 2.237 | 3.106 | 11.5 | 16.9 | 7 10 | 16 36.87 | -11 18.3 | 2.088 | 2.941 | 12.8 | 21.1 |
| 140584 | 2001 TU ₂₂₆ | | 6 7.2 143°32' | 4.3°/ 6.5 | 18 | | 141961 | 2002 PL ₁₁₉ | | 6 7.2 350°94' | 5.8°/ 6.1 | 18 | |
| 5 1 | 17 30.36 | -10 53.6 | 2.014 | 2.834 | 14.1 | 20.0 | 5 1 | 17 26.15 | -12 44.8 | 1.302 | 2.160 | 18.1 | 19.6 |
| 5 11 | 17 25.06 | -10 40.1 | 1.941 | 2.842 | 11.1 | 19.8 | 5 11 | 17 22.98 | -11 56.7 | 1.233 | 2.156 | 14.4 | 19.3 |
| 5 21 | 17 17.65 | -10 32.9 | 1.890 | 2.850 | 7.9 | 19.6 | 5 21 | 17 16.86 | -11 13.6 | 1.182 | 2.153 | 10.3 | 19.1 |
| 5 31 | 17 8.74 | -10 33.8 | 1.864 | 2.858 | 5.0 | 19.5 | 5 31 | 17 8.56 | -10 39.7 | 1.153 | 2.150 | 6.6 | 18.9 |
| 6 10 | 16 59.22 | -10 43.7 | 1.866 | 2.865 | 4.5 | 19.4 | 6 10 | 16 59.29 | -10 19.2 | 1.147 | 2.149 | 6.2 | 18.8 |
| 6 20 | 16 50.02 | -11 3.0 | 1.895 | 2.872 | 6.9 | 19.6 | 6 20 | 16 50.41 | -10 14.4 | 1.165 | 2.147 | 9.4 | 19.0 |
| 6 30 | 16 42.04 | -11 31.2 | 1.950 | 2.878 | 10.1 | 19.8 | 6 30 | 16 43.20 | -10 26.3 | 1.205 | 2.147 | 13.6 | 19.2 |
| 7 10 | 16 35.95 | -12 7.4 | 2.028 | 2.883 | 13.0 | 20.0 | 7 10 | 16 38.62 | -10 53.6 | 1.264 | 2.147 | 17.6 | 19.5 |
| 46572 | 1991 VA ₅ | | 6 7.2 129°89' | 0.3°/ 7.2 | 18 | | 335604 | 2006 EH ₃₃ | | 6 7.2 197°35' | 6.1°/ 5.3 | 17 | |
| 5 1 | 17 34.54 | -19 49.2 | 1.890 | 2.712 | 14.8 | 18.3 | 5 1 | 17 27.40 | -7 16.9 | 2.142 | 2.958 | 13.5 | 21.5 |
| 5 11 | 17 28.57 | -20 21.3 | 1.817 | 2.725 | 11.4 | 18.1 | 5 11 | 17 22.72 | -6 22.8 | 2.063 | 2.956 | 11.0 | 21.3 |
| 5 21 | 17 20.10 | -20 55.1 | 1.767 | 2.738 | 7.5 | 17.9 | 5 21 | 17 16.09 | -5 34.9 | 2.006 | 2.953 | 8.4 | 21.1 |
| 5 31 | 17 9.83 | -21 29.1 | 1.743 | 2.749 | 3.2 | 17.6 | 5 31 | 17 8.09 | -4 57.0 | 1.974 | 2.951 | 6.4 | 21.0 |
| 6 10 | 16 58.79 | -22 1.5 | 1.747 | 2.761 | 1.3 | 17.5 | 6 10 | 16 59.49 | -4 32.0 | 1.968 | 2.948 | 6.4 | 21.0 |
| 6 20 | 16 48.10 | -22 31.6 | 1.779 | 2.771 | 5.6 | 17.8 | 6 20 | 16 51.14 | -4 21.9 | 1.989 | 2.944 | 8.2 | 21.1 |
| 6 30 | 16 38.85 | -22 59.4 | 1.837 | 2.782 | 9.6 | 18.1 | 6 30 | 16 43.85 | -4 27.2 | 2.035 | 2.940 | 10.9 | 21.3 |
| 7 10 | 16 31.82 | -23 26.2 | 1.920 | 2.791 | 13.0 | 18.3 | 7 10 | 16 38.25 | -4 46.6 | 2.104 | 2.936 | 13.5 | 21.4 |
| 259271 | 2003 CC ₂₅ | | 6 7.2 28°27' | 5.1°/ 7.1 | 17 | | 126740 | 2002 CY ₂₉₆ | | 6 7.2 252°44' | 2.5°/ 6.5 | 18 | |
| 5 1 | 17 32.92 | -28 4.6 | 1.291 | 2.138 | 18.9 | 19.2 | 5 1 | 17 25.45 | -15 39.7 | 2.430 | 3.255 | 11.8 | 20.1 |
| 5 11 | 17 28.76 | -29 43.8 | 1.232 | 2.149 | 14.9 | 18.9 | 5 11 | 17 21.11 | -15 22.2 | 2.340 | 3.249 | 9.2 | 19.9 |
| 5 21 | 17 20.99 | -31 20.9 | 1.192 | 2.160 | 10.5 | 18.7 | 5 21 | 17 15.00 | -15 6.6 | 2.274 | 3.242 | 6.3 | 19.7 |
| 5 31 | 17 10.41 | -32 48.2 | 1.175 | 2.173 | 6.4 | 18.5 | 5 31 | 17 7.62 | -14 53.9 | 2.234 | 3.236 | 3.4 | 19.5 |
| 6 10 | 16 58.53 | -33 58.8 | 1.182 | 2.186 | 5.3 | 18.5 | 6 10 | 16 59.67 | -14 45.3 | 2.222 | 3.229 | 2.8 | 19.5 |
| 6 20 | 16 47.09 | -34 49.3 | 1.213 | 2.200 | 8.5 | 18.7 | 6 20 | 16 51.89 | -14 41.9 | 2.238 | 3.222 | 5.4 | 19.6 |
| 6 30 | 16 37.78 | -35 20.8 | 1.268 | 2.215 | 12.6 | 19.0 | 6 30 | 16 45.03 | -14 44.4 | 2.280 | 3.216 | 8.4 | 19.8 |
| 7 10 | 16 31.76 | -35 38.4 | 1.343 | 2.231 | 16.4 | 19.3 | 7 10 | 16 39.69 | -14 53.2 | 2.347 | 3.209 | 11.3 | 20.0 |
| 179455 | 2002 AB ₁₇₂ | | 6 7.2 140°65' | 0.1°/ 7.2 | 18 | | 395415 | 2011 SU ₁₇₀ | | 6 7.2 189°29' | 2.1°/ 6.4 | 17 | |
| 5 1 | 17 27.33 | -22 41.8 | 2.625 | 3.444 | 11.2 | 21.4 | 5 1 | 17 26.05 | -17 25.8 | 2.613 | 3.434 | 11.2 | 21.8 |
| 5 11 | 17 22.38 | -22 40.5 | 2.545 | 3.452 | 8.6 | 21.2 | 5 11 | 17 21.39 | -16 55.5 | 2.526 | 3.433 | 8.7 | 21.6 |
| 5 21 | 17 15.72 | -22 37.3 | 2.489 | 3.459 | 5.7 | 21.0 | 5 21 | 17 15.08 | -16 25.0 | 2.464 | 3.432 | 5.8 | 21.4 |
| 5 31 | 17 7.88 | -22 32.0 | 2.460 | 3.466 | 2.4 | 20.8 | 5 31 | 17 7.62 | -15 55.7 | 2.428 | 3.431 | 3.0 | 21.2 |
| 6 10 | 16 59.56 | -22 24.8 | 2.459 | 3.473 | 1.0 | 20.7 | 6 10 | 16 59.68 | -15 29.2 | 2.421 | 3.429 | 2.4 | 21.2 |
| 6 20 | 16 51.49 | -22 16.7 | 2.487 | 3.479 | 4.2 | 21.0 | 6 20 | 16 51.97 | -15 6.9 | 2.443 | 3.427 | 5.0 | 21.3 |
| 6 30 | 16 44.38 | -22 8.7 | 2.543 | 3.486 | 7.3 | 21.2 | 6 30 | 16 45.15 | -14 50.4 | 2.491 | 3.425 | 7.9 | 21.5 |
| 7 10 | 16 38.80 | -22 2.4 | 2.623 | 3.492 | 10.0 | 21.4 | 7 10 | 16 39.79 | -14 40.4 | 2.565 | 3.423 | 10.6 | 21.7 |
| 499647 | 2010 VP ₆₇ | | 6 7.2 239°46' | 1.5°/ 7.5 | 17 | | 378302 | 2007 EE ₂₁₂ | | 6 7.2 272°58' | 6.5°/ 8.4 | 18 | |
| 5 1 | 17 33.26 | -26 19.0 | 1.898 | 2.721 | 14.7 | 22.8 | 5 1 | 17 33.32 | -37 34.3 | 1.769 | 2.577 | 16.2 | 20.7 |
| 5 11 | 17 28.01 | -26 31.0 | 1.799 | 2.706 | 11.6 | 22.5 | 5 11 | 17 28.62 | -38 21.7 | 1.680 | 2.567 | 13.4 | 20.5 |
| 5 21 | 17 20.02 | -26 38.8 | 1.722 | 2.690 | 7.8 | 22.3 | 5 21 | 17 20.71 | -38 58.0 | 1.612 | 2.556 | 10.3 | 20.2 |
| 5 31 | 17 9.92 | -26 40.3 | 1.670 | 2.674 | 3.7 | 22.0 | 5 31 | 17 10.29 | -39 17.5 | 1.567 | 2.546 | 7.5 | 20.0 |
| 6 10 | 16 58.72 | -26 34.4 | 1.645 | 2.658 | 1.9 | 21.8 | 6 10 | 16 58.60 | -39 16.5 | 1.546 | 2.536 | 6.6 | 20.0 |
| 6 20 | 16 47.63 | -26 21.7 | 1.647 | 2.640 | 5.9 | 22.1 | 6 20 | 16 47.15 | -38 54.7 | 1.551 | 2.526 | 8.3 | 20.0 |
| 6 30 | 16 37.89 | -26 4.5 | 1.675 | 2.622 | 10.2 | 22.3 | 6 30 | 16 37.43 | -38 15.6 | 1.580 | 2.515 | 11.5 | 20.2 |
| 7 10 | 16 30.47 | -25 46.5 | 1.727 | 2.603 | 14.0 | 22.5 | 7 10 | 16 30.53 | -37 25.9 | 1.631 | 2.505 | 14.8 | 20.4 |
| 488419 | 2016 XQ ₅ | | 6 7.2 240°98' | 0.6°/ 7.4 | 18 | | 53421 | 1999 RY ₁₈ | | 6 7.2 301°40' | 2.1°/ 8.7 | 18 | |
| 5 1 | 17 26.73 | -25 52.2 | 2.753 | 3.568 | 10.8 | 21.5 | 5 1 | 17 44.97 | -56 23.4 | 1.108 | 1.878 | 26.0 | 18.6 |
| 5 11 | 17 22.00 | -25 42.5 | 2.653 | 3.557 | 8.4 | 21.4 | 5 11 | 17 42.94 | -59 3.5 | 1.046 | 1.868 | 24.2 | 18.4 |
| 5 21 | 17 15.54 | -25 28.6 | 2.577 | 3.545 | 5.6 | 21.2 | 5 21 | 17 33.55 | -61 19.2 | 0.997 | 1.858 | 22.6 | 18.2 |
| 5 31 | 17 7.84 | -25 10.2 | 2.527 | 3.533 | 2.5 | 20.9 | 5 31 | 17 16.92 | -62 51.5 | 0.963 | 1.848 | 21.4 | 18.1 |
| 6 10 | 16 59.57 | -24 47.6 | 2.506 | 3.520 | 1.1 | 20.8 | 6 10 | 16 55.81 | -63 23.4 | 0.944 | 1.839 | 21.0 | 18.0 |
| 6 20 | 16 51.46 | -24 22.1 | 2.515 | 3.508 | 4.2 | 21.0 | 6 20 | 16 35.08 | -62 48.2 | 0.940 | 1.829 | 21.6 | 18.0 |
| 6 30 | 16 44.24 | -23 55.5 | 2.551 | 3.495 | 7.3 | 21.2 | 6 30 | 16 19.67 | -61 14.0 | 0.951 | 1.820 | 23.1 | 18.1 |
| 7 10 | 16 38.49 | -23 30.0 | 2.612 | 3.481 | 10.0 | 21.3 | 7 10 | 16 12.10 | -59 0.1 | 0.976 | 1.812 | 25.1 | 18.2 |
| 261202 | 2005 TZ ₁₆₉ | | 6 7.2 198°19' | 0.0°/ 7.1 | 18 | | 377816 | 2006 BE ₅₁ | | 6 7.2 148°10' | 0.8°/ 7.4 | 17 | |
| 5 1 | 17 27.16 | -24 43.6 | 2.906 | 3.718 | 10.4 | 21.0 | 5 1 | 17 31.22 | -25 30.8 | 2.191 | 3.010 | 13.1 | 22.2 |
| 5 11 | 17 22.11 | -24 13.6 | 2.812 | 3.715 | 8.0 | 20.9 | 5 11 | 17 25.75 | -25 33.9 | 2.113 | 3.019 | 10.2 | 22.0 |
| 5 21 | 17 15.48 | -23 39.2 | 2.743 | 3.712 | 5.3 | 20.7 | 5 21 | 17 18.11 | -25 33.0 | 2.058 | 3.026 | 6.7 | 21.8 |
| 5 31 | 17 7.77 | -23 0.9 | 2.702 | 3.708 | 2.3 | 20.5 | 5 31 | 17 8.95 | -25 27.1 | 2.028 | 3.034 | 3.0 | 21.6 |
| 6 10 | 16 59.62 | -22 19.8 | 2.690 | 3.704 | 0.9 | 20.3 | 6 10 | 16 59.18 | -25 16.2 | 2.027 | 3.041 | 1.3 | 21.4 |
| 6 20 | 16 51.70 | -21 37.7 | 2.708 | 3.700 | 4.0 | 20.6 | 6 20 | 16 49.75 | -25 1.3 | 2.054 | 3.047 | 4.9 | 21.7 |
| 6 30 | 16 44.67 | -20 56.9 | 2.754 | 3.695 | 6.9 | 20.8 | 6 30 | 16 41.57 | -24 44.5 | 2.108 | 3.053 | 8.5 | 21.9 |
| 7 10 | 16 39.03 | -20 19.6 | 2.826 | 3.690 | 9.5 | 20.9 | 7 10 | 16 35.33 | -24 28.4 | 2.186 | 3.058 | 11.6 | 22.1 |
| 478776 | 2012 UW ₁₃₁ | | 6 7.2 324°18' | 0.3°/ 7.1 | 16 | | 214164 | 2005 CB ₂₃ | | 6 7.2 143°71' | 1.1°/ 7.0 | 18 | |
| 5 1 | 17 24.89 | | | | | | | | | | | | |

EPHEMERIDES

6 7.2

6 7.2

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|----------|---------|------|
| 466121 | 2012 <i>EJ</i> | | 6 7.2 346°44 | 3°2/ 6.6 | 17 | | 237263 | 2008 <i>WY</i> ₉₅ | | 6 7.2 153°29 | 1°9/ 6.8 | 18 | |
| 5 1 | 17 26.55 | -17 14.9 | 1.296 | 2.156 | 18.0 | 21.2 | 5 1 | 17 28.32 | -17 38.3 | 2.079 | 2.907 | 13.4 | 20.7 |
| 5 11 | 17 23.43 | -16 50.3 | 1.223 | 2.151 | 14.1 | 20.9 | 5 11 | 17 23.58 | -17 28.1 | 1.999 | 2.910 | 10.4 | 20.5 |
| 5 21 | 17 17.25 | -16 27.3 | 1.169 | 2.147 | 9.5 | 20.6 | 5 21 | 17 16.74 | -17 19.1 | 1.942 | 2.913 | 6.9 | 20.3 |
| 5 31 | 17 8.77 | -16 8.1 | 1.138 | 2.143 | 4.9 | 20.3 | 5 31 | 17 8.41 | -17 12.0 | 1.911 | 2.915 | 3.4 | 20.1 |
| 6 10 | 16 59.23 | -15 54.9 | 1.129 | 2.139 | 3.7 | 20.3 | 6 10 | 16 59.44 | -17 7.6 | 1.907 | 2.918 | 2.3 | 20.0 |
| 6 20 | 16 50.06 | -15 49.7 | 1.145 | 2.137 | 8.0 | 20.5 | 6 20 | 16 50.75 | -17 6.8 | 1.931 | 2.920 | 5.6 | 20.2 |
| 6 30 | 16 42.62 | -15 54.2 | 1.182 | 2.135 | 12.8 | 20.8 | 6 30 | 16 43.22 | -17 10.7 | 1.981 | 2.922 | 9.2 | 20.4 |
| 7 10 | 16 37.90 | -16 8.8 | 1.240 | 2.134 | 17.1 | 21.0 | 7 10 | 16 37.55 | -17 19.8 | 2.054 | 2.924 | 12.3 | 20.6 |
| 441979 | 2010 <i>ND</i> ₂₂ | | 6 7.2 257°92 | 0°0/ 6.9 | 18 | | 302076 | 2000 <i>WL</i> ₁₀₁ | | 6 7.2 193°41 | 2°6/ 6.8 | 18 | |
| 5 1 | 17 27.43 | -22 1.6 | 2.672 | 3.490 | 11.1 | 21.2 | 5 1 | 17 27.53 | -12 36.3 | 2.900 | 3.708 | 10.5 | 20.9 |
| 5 11 | 17 22.67 | -22 14.1 | 2.567 | 3.473 | 8.6 | 21.0 | 5 11 | 17 22.39 | -12 42.6 | 2.809 | 3.706 | 8.2 | 20.8 |
| 5 21 | 17 16.08 | -22 25.9 | 2.485 | 3.455 | 5.7 | 20.8 | 5 21 | 17 15.71 | -12 53.1 | 2.743 | 3.704 | 5.7 | 20.6 |
| 5 31 | 17 8.13 | -22 36.6 | 2.431 | 3.437 | 2.4 | 20.6 | 5 31 | 17 7.93 | -13 8.3 | 2.704 | 3.701 | 3.3 | 20.4 |
| 6 10 | 16 59.49 | -22 45.7 | 2.405 | 3.419 | 1.0 | 20.4 | 6 10 | 16 59.64 | -13 28.4 | 2.694 | 3.698 | 2.8 | 20.4 |
| 6 20 | 16 50.90 | -22 53.3 | 2.408 | 3.400 | 4.4 | 20.7 | 6 20 | 16 51.48 | -13 53.2 | 2.713 | 3.694 | 4.8 | 20.5 |
| 6 30 | 16 43.14 | -23 0.2 | 2.439 | 3.382 | 7.6 | 20.8 | 6 30 | 16 44.09 | -14 22.7 | 2.761 | 3.690 | 7.4 | 20.7 |
| 7 10 | 16 36.85 | -23 7.4 | 2.494 | 3.363 | 10.5 | 21.0 | 7 10 | 16 38.01 | -14 56.3 | 2.834 | 3.685 | 9.9 | 20.8 |
| 20678 | 1999 <i>VE</i> ₉ | | 6 7.2 160°76 | 0°2/ 7.1 | 18 | | 253848 | 2003 <i>YN</i> ₁₃₈ | | 6 7.2 102°88 | 0°3/ 7.3 | 17 | |
| 5 1 | 17 32.57 | -22 26.6 | 2.096 | 2.916 | 13.6 | 19.4 | 5 1 | 17 32.65 | -23 25.5 | 1.654 | 2.488 | 16.0 | 21.0 |
| 5 11 | 17 26.84 | -22 23.5 | 2.016 | 2.923 | 10.5 | 19.2 | 5 11 | 17 27.41 | -23 30.5 | 1.587 | 2.502 | 12.4 | 20.8 |
| 5 21 | 17 18.86 | -22 18.2 | 1.959 | 2.930 | 6.9 | 19.0 | 5 21 | 17 19.46 | -23 32.6 | 1.542 | 2.515 | 8.1 | 20.6 |
| 5 31 | 17 9.29 | -22 10.2 | 1.929 | 2.935 | 3.0 | 18.8 | 5 31 | 17 9.60 | -23 30.9 | 1.521 | 2.528 | 3.5 | 20.4 |
| 6 10 | 16 59.07 | -21 59.8 | 1.926 | 2.940 | 1.2 | 18.6 | 6 10 | 16 59.01 | -23 25.3 | 1.526 | 2.540 | 1.3 | 20.2 |
| 6 20 | 16 49.18 | -21 48.2 | 1.952 | 2.945 | 5.2 | 18.9 | 6 20 | 16 48.92 | -23 16.9 | 1.558 | 2.553 | 6.0 | 20.6 |
| 6 30 | 16 40.58 | -21 37.1 | 2.005 | 2.948 | 8.9 | 19.2 | 6 30 | 16 40.49 | -23 8.0 | 1.615 | 2.565 | 10.2 | 20.8 |
| 7 10 | 16 33.99 | -21 28.6 | 2.082 | 2.951 | 12.2 | 19.4 | 7 10 | 16 34.52 | -23 1.1 | 1.695 | 2.576 | 13.9 | 21.1 |
| 435628 | 2008 <i>SJ</i> ₁₂₈ | | 6 7.2 146°71 | 2°3/ 6.5 | 17 | | 274330 | 2008 <i>RW</i> ₁₆ | | 6 7.2 339°00 | 1°9/ 6.7 | 17 | |
| 5 1 | 17 28.40 | -18 23.8 | 2.058 | 2.888 | 13.5 | 21.2 | 5 1 | 17 23.97 | -20 59.3 | 1.332 | 2.196 | 17.5 | 20.5 |
| 5 11 | 17 23.59 | -17 45.1 | 1.981 | 2.892 | 10.4 | 21.1 | 5 11 | 17 21.50 | -20 25.8 | 1.252 | 2.183 | 13.6 | 20.3 |
| 5 21 | 17 16.69 | -17 5.3 | 1.926 | 2.896 | 7.0 | 20.8 | 5 21 | 17 16.03 | -19 48.4 | 1.191 | 2.171 | 9.1 | 20.0 |
| 5 31 | 17 8.36 | -16 26.4 | 1.897 | 2.900 | 3.5 | 20.6 | 5 31 | 17 8.29 | -19 8.9 | 1.152 | 2.160 | 4.1 | 19.7 |
| 6 10 | 16 59.45 | -15 50.4 | 1.895 | 2.904 | 2.8 | 20.6 | 6 10 | 16 59.48 | -18 30.2 | 1.137 | 2.150 | 2.6 | 19.5 |
| 6 20 | 16 50.88 | -15 19.7 | 1.921 | 2.907 | 5.9 | 20.8 | 6 20 | 16 50.96 | -17 55.8 | 1.146 | 2.141 | 7.5 | 19.8 |
| 6 30 | 16 43.52 | -14 56.3 | 1.973 | 2.910 | 9.4 | 21.0 | 6 30 | 16 44.09 | -17 29.4 | 1.177 | 2.133 | 12.5 | 20.0 |
| 7 10 | 16 38.03 | -14 41.7 | 2.048 | 2.913 | 12.5 | 21.2 | 7 10 | 16 39.87 | -17 13.6 | 1.227 | 2.127 | 16.9 | 20.3 |
| 512055 | 2015 <i>MH</i> ₉₉ | | 6 7.2 242°93 | 2°9/ 6.6 | 18 | | 474152 | 1998 <i>SD</i> ₁₇₄ | | 6 7.2 248°31 | 1°7/ 7.6 | 18 | |
| 5 1 | 17 25.59 | -13 44.3 | 2.466 | 3.288 | 11.7 | 21.7 | 5 1 | 17 30.21 | -27 47.9 | 2.296 | 3.112 | 12.7 | 22.7 |
| 5 11 | 17 21.18 | -13 33.7 | 2.378 | 3.284 | 9.2 | 21.5 | 5 11 | 17 25.20 | -27 59.4 | 2.194 | 3.096 | 10.0 | 22.5 |
| 5 21 | 17 15.04 | -13 26.6 | 2.314 | 3.279 | 6.4 | 21.3 | 5 21 | 17 17.95 | -28 6.1 | 2.114 | 3.080 | 6.8 | 22.3 |
| 5 31 | 17 7.65 | -13 24.0 | 2.276 | 3.275 | 3.7 | 21.1 | 5 31 | 17 9.00 | -28 6.4 | 2.061 | 3.064 | 3.4 | 22.0 |
| 6 10 | 16 59.71 | -13 26.8 | 2.266 | 3.270 | 3.1 | 21.1 | 6 10 | 16 59.21 | -27 59.5 | 2.035 | 3.047 | 2.0 | 21.9 |
| 6 20 | 16 51.93 | -13 35.7 | 2.283 | 3.265 | 5.5 | 21.2 | 6 20 | 16 49.53 | -27 45.9 | 2.038 | 3.030 | 5.1 | 22.1 |
| 6 30 | 16 45.05 | -13 50.8 | 2.328 | 3.261 | 8.4 | 21.4 | 6 30 | 16 40.93 | -27 27.6 | 2.067 | 3.012 | 8.6 | 22.3 |
| 7 10 | 16 39.65 | -14 12.2 | 2.396 | 3.256 | 11.1 | 21.6 | 7 10 | 16 34.22 | -27 7.5 | 2.121 | 2.994 | 11.9 | 22.4 |
| 237155 | 2008 <i>UG</i> ₉₈ | | 6 7.2 252°61 | 0°0/ 7.2 | 17 | | 108304 | 2001 <i>JP</i> | | 6 7.2 350°71 | 3°8/ 6.9 | 18 | |
| 5 1 | 17 29.51 | -22 2.9 | 1.946 | 2.776 | 14.1 | 20.3 | 5 1 | 17 26.67 | -12 43.1 | 1.656 | 2.497 | 15.7 | 18.7 |
| 5 11 | 17 24.85 | -22 20.1 | 1.859 | 2.771 | 10.9 | 20.0 | 5 11 | 17 22.87 | -12 44.0 | 1.578 | 2.493 | 12.4 | 18.5 |
| 5 21 | 17 17.78 | -22 36.8 | 1.794 | 2.766 | 7.2 | 19.8 | 5 21 | 17 16.58 | -12 52.0 | 1.521 | 2.490 | 8.6 | 18.3 |
| 5 31 | 17 8.92 | -22 52.0 | 1.754 | 2.761 | 3.1 | 19.5 | 5 31 | 17 8.44 | -13 8.5 | 1.487 | 2.487 | 5.0 | 18.1 |
| 6 10 | 16 59.20 | -23 5.0 | 1.741 | 2.756 | 1.2 | 19.4 | 6 10 | 16 59.44 | -13 34.2 | 1.479 | 2.485 | 4.1 | 18.0 |
| 6 20 | 16 49.67 | -23 15.8 | 1.756 | 2.750 | 5.5 | 19.7 | 6 20 | 16 50.68 | -14 8.5 | 1.496 | 2.483 | 7.2 | 18.2 |
| 6 30 | 16 41.38 | -23 25.2 | 1.796 | 2.745 | 9.5 | 19.9 | 6 30 | 16 43.26 | -14 50.6 | 1.538 | 2.482 | 11.1 | 18.4 |
| 7 10 | 16 35.16 | -23 35.0 | 1.860 | 2.739 | 13.0 | 20.1 | 7 10 | 16 38.01 | -15 39.3 | 1.602 | 2.482 | 14.7 | 18.6 |
| 195622 | 2002 <i>LC</i> ₄₅ | | 6 7.2 4°39 | 3°6/ 7.0 | 18 | | 370142 | 2001 <i>XY</i> ₄₄ | | 6 7.2 170°26 | 4°5/ 8.2 | 18 | |
| 5 1 | 17 29.20 | -12 7.5 | 1.721 | 2.554 | 15.5 | 19.4 | 5 1 | 17 34.18 | -34 45.3 | 2.124 | 2.925 | 14.1 | 21.3 |
| 5 11 | 17 24.70 | -12 22.5 | 1.643 | 2.554 | 12.2 | 19.1 | 5 11 | 17 28.47 | -35 20.1 | 2.042 | 2.928 | 11.4 | 21.1 |
| 5 21 | 17 17.72 | -12 45.9 | 1.587 | 2.554 | 8.5 | 18.9 | 5 21 | 17 20.16 | -35 45.9 | 1.981 | 2.931 | 8.3 | 20.9 |
| 5 31 | 17 8.90 | -13 18.2 | 1.555 | 2.555 | 4.8 | 18.7 | 5 31 | 17 9.94 | -35 59.1 | 1.946 | 2.933 | 5.6 | 20.7 |
| 6 10 | 16 59.22 | -13 59.2 | 1.549 | 2.555 | 3.8 | 18.6 | 6 10 | 16 58.87 | -35 57.5 | 1.938 | 2.935 | 4.6 | 20.7 |
| 6 20 | 16 49.79 | -14 47.7 | 1.569 | 2.556 | 6.9 | 18.8 | 6 20 | 16 48.12 | -35 41.4 | 1.956 | 2.936 | 6.5 | 20.8 |
| 6 30 | 16 41.69 | -15 42.0 | 1.615 | 2.557 | 10.8 | 19.1 | 6 30 | 16 38.82 | -35 13.8 | 2.001 | 2.937 | 9.4 | 21.0 |
| 7 10 | 16 35.76 | -16 40.7 | 1.683 | 2.559 | 14.3 | 19.3 | 7 10 | 16 31.82 | -34 39.4 | 2.070 | 2.937 | 12.4 | 21.2 |
| 204130 | 2003 <i>XH</i> ₄₀ | | 6 7.2 211°81 | 2°9/ 6.4 | 18 | | 460889 | 2014 <i>WL</i> ₁₆₄ | | 6 7.2 190°17 | 1°9/ 7.5 | 17 | |
| 5 1 | 17 28.05 | -13 26.6 | 2.737 | 3.548 | 11.0 | 21.0 | 5 1 | 17 34.42 | -25 57.3 | 1.666 | 2.495 | 16.1 | 21.6 |
| 5 11 | 17 22.90 | -13 10.1 | 2.641 | 3.540 | 8.6 | 20.8 | 5 11 | 17 29.14 | -26 27.5 | 1.584 | 2.494 | 12.6 | 21.3 |
| 5 21 | 17 16.09 | -12 56.4 | 2.569 | 3.531 | 6.0 | 20.7 | 5 21 | 17 20.87 | -26 54.6 | 1.524 | 2.493 | 8.5 | 21.1 |
| 5 31 | 17 8.10 | -12 46.6 | 2.524 | 3.521 | 3.6 | 20.5 | 5 31 | 17 10.33 | -27 15.7 | 1.488 | 2.492 | 4.1 | 20.8 |
| 6 10 | 16 59.54 | -12 41.8 | 2.508 | 3.511 | 3.1 | 20.4 | 6 10 | 16 58.71 | -27 28.7 | 1.478 | 2.490 | 2.3 | 20.7 |
| 6 20 | 16 51.12 | -12 42.8 | 2.521 | 3.500 | 5.3 | 20.6 | 6 20 | 16 47.37 | -27 33.4 | 1.495 | 2.488 | 6.4 | 20.9 |
| 6 30 | 16 43.52 | -12 50.2 | 2.562 | 3.488 | 8.1 | 20.7 | 6 30 | 16 37.65 | -27 31.8 | 1.537 | 2.485 | 10.8 | 21.2 |
| 7 10 | 16 37.30 | -13 4.0 | 2.627 | 3.475 | 10.6 | 20.9 | 7 10 | 16 30.57 | -27 27.3 | 1.601 | 2.482 | 14.6 | 21.4 |
| 505879 | 2015 <i>DW</i> ₁₁₉ | | 6 7.2 160°45 | 7°7/ 8.4 | 17 | | 304591 | 2006 <i>VU</i> ₅₇ | | 6 7.2 | | | |

EPHEMERIDES

6 7.2

6 7.2

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|-------------|---------|------|---------------|------------------------|-----------------|--------------|-------------|---------|------|
| 22426 | Mikehanes | | 6 7.2 57°72 | 0°5/ 7.1 18 | | | 142060 | 2002 QH ₃₀ | | 6 7.2 221°89 | 3°9/ 7.9 17 | | |
| 5 1 | 17 28.55 | -22 26.5 | 1.765 | 2.604 | 15.0 | 18.7 | 5 1 | 17 33.77 | -31 56.3 | 1.800 | 2.618 | 15.6 | 20.9 |
| 5 11 | 17 24.09 | -22 14.7 | 1.696 | 2.613 | 11.6 | 18.5 | 5 11 | 17 28.63 | -32 23.6 | 1.713 | 2.612 | 12.5 | 20.7 |
| 5 21 | 17 17.21 | -22 0.3 | 1.649 | 2.623 | 7.6 | 18.3 | 5 21 | 17 20.55 | -32 42.7 | 1.646 | 2.606 | 8.9 | 20.5 |
| 5 31 | 17 8.64 | -21 43.3 | 1.626 | 2.633 | 3.2 | 18.1 | 5 31 | 17 10.23 | -32 50.1 | 1.604 | 2.599 | 5.3 | 20.2 |
| 6 10 | 16 59.42 | -21 24.8 | 1.629 | 2.643 | 1.4 | 18.0 | 6 10 | 16 58.83 | -32 43.5 | 1.587 | 2.593 | 4.0 | 20.1 |
| 6 20 | 16 50.63 | -21 6.4 | 1.659 | 2.653 | 5.7 | 18.3 | 6 20 | 16 47.69 | -32 23.3 | 1.597 | 2.585 | 6.7 | 20.3 |
| 6 30 | 16 43.30 | -20 50.5 | 1.714 | 2.664 | 9.7 | 18.5 | 6 30 | 16 38.15 | -31 52.9 | 1.633 | 2.577 | 10.5 | 20.5 |
| 7 10 | 16 38.15 | -20 39.1 | 1.792 | 2.674 | 13.2 | 18.8 | 7 10 | 16 31.19 | -31 17.5 | 1.691 | 2.569 | 14.1 | 20.7 |
| 156427 | 2002 AV ₁₀₁ | | 6 7.2 355°75 | 1°0/ 7.1 18 | | | 331900 | 2004 PS ₅₈ | | 6 7.2 321°39 | 4°2/ 6.3 17 | | |
| 5 1 | 17 28.14 | -19 47.8 | 1.555 | 2.402 | 16.2 | 19.5 | 5 1 | 17 25.61 | -15 9.1 | 1.468 | 2.321 | 16.7 | 20.7 |
| 5 11 | 17 24.25 | -19 55.0 | 1.479 | 2.400 | 12.6 | 19.3 | 5 11 | 17 22.48 | -14 35.1 | 1.383 | 2.306 | 13.2 | 20.4 |
| 5 21 | 17 17.61 | -20 3.2 | 1.423 | 2.399 | 8.3 | 19.0 | 5 21 | 17 16.58 | -14 3.3 | 1.319 | 2.292 | 9.2 | 20.1 |
| 5 31 | 17 8.92 | -20 12.3 | 1.391 | 2.398 | 3.7 | 18.8 | 5 31 | 17 8.55 | -13 36.7 | 1.277 | 2.278 | 5.3 | 19.9 |
| 6 10 | 16 59.28 | -20 22.0 | 1.383 | 2.397 | 1.8 | 18.6 | 6 10 | 16 59.47 | -13 18.3 | 1.259 | 2.265 | 4.6 | 19.8 |
| 6 20 | 16 49.95 | -20 32.8 | 1.402 | 2.397 | 6.4 | 18.9 | 6 20 | 16 50.58 | -13 10.5 | 1.266 | 2.253 | 8.2 | 19.9 |
| 6 30 | 16 42.15 | -20 45.5 | 1.445 | 2.397 | 10.9 | 19.2 | 6 30 | 16 43.14 | -13 14.8 | 1.295 | 2.241 | 12.6 | 20.2 |
| 7 10 | 16 36.78 | -21 1.4 | 1.509 | 2.398 | 14.9 | 19.4 | 7 10 | 16 38.13 | -13 31.4 | 1.345 | 2.230 | 16.6 | 20.4 |
| 374358 | 2005 UM ₁₉₈ | | 6 7.2 188°65 | 1°7/ 7.6 17 | | | 70568 | 1999 TA ₁₅₃ | | 6 7.2 176°34 | 5°7/ 5.3 18 | | |
| 5 1 | 17 30.63 | -27 17.5 | 1.735 | 2.567 | 15.5 | 21.4 | 5 1 | 17 27.48 | -7 28.8 | 2.352 | 3.162 | 12.6 | 20.1 |
| 5 11 | 17 26.00 | -27 22.2 | 1.655 | 2.567 | 12.1 | 21.2 | 5 11 | 17 22.60 | -6 33.2 | 2.274 | 3.164 | 10.2 | 19.9 |
| 5 21 | 17 18.66 | -27 20.9 | 1.596 | 2.567 | 8.2 | 20.9 | 5 21 | 17 15.95 | -5 43.3 | 2.219 | 3.165 | 7.8 | 19.8 |
| 5 31 | 17 9.34 | -27 11.9 | 1.562 | 2.567 | 3.9 | 20.7 | 5 31 | 17 8.07 | -5 2.4 | 2.190 | 3.166 | 6.0 | 19.7 |
| 6 10 | 16 59.14 | -26 54.9 | 1.553 | 2.566 | 2.0 | 20.5 | 6 10 | 16 59.69 | -4 33.3 | 2.189 | 3.167 | 5.9 | 19.7 |
| 6 20 | 16 49.31 | -26 31.4 | 1.572 | 2.566 | 6.0 | 20.8 | 6 20 | 16 51.56 | -4 17.6 | 2.214 | 3.167 | 7.6 | 19.8 |
| 6 30 | 16 41.02 | -26 4.6 | 1.615 | 2.566 | 10.1 | 21.0 | 6 30 | 16 44.41 | -4 16.2 | 2.265 | 3.167 | 10.1 | 19.9 |
| 7 10 | 16 35.13 | -25 38.3 | 1.681 | 2.566 | 13.8 | 21.3 | 7 10 | 16 38.82 | -4 28.1 | 2.339 | 3.166 | 12.5 | 20.1 |
| 521070 | 2015 DK ₂₃₉ | | 6 7.2 163°43 | 2°1/ 7.7 17 | | | 107568 | 2001 DR ₈₉ | | 6 7.2 152°23 | 8°4/ 4.5 18 | | |
| 5 1 | 17 30.51 | -28 29.6 | 1.890 | 2.716 | 14.6 | 21.8 | 5 1 | 17 24.47 | + 5 45.6 | 2.764 | 3.527 | 12.1 | 20.4 |
| 5 11 | 17 25.71 | -28 36.7 | 1.809 | 2.717 | 11.5 | 21.6 | 5 11 | 17 20.03 | + 6 39.5 | 2.697 | 3.531 | 10.6 | 20.3 |
| 5 21 | 17 18.37 | -28 37.3 | 1.750 | 2.717 | 7.8 | 21.3 | 5 21 | 17 14.14 | + 7 20.9 | 2.652 | 3.536 | 9.3 | 20.2 |
| 5 31 | 17 9.18 | -28 29.6 | 1.715 | 2.718 | 3.9 | 21.1 | 5 31 | 17 7.27 | + 7 46.3 | 2.632 | 3.540 | 8.5 | 20.1 |
| 6 10 | 16 59.21 | -28 13.3 | 1.707 | 2.719 | 2.3 | 21.0 | 6 10 | 17 0.01 | + 7 53.3 | 2.636 | 3.544 | 8.5 | 20.1 |
| 6 20 | 16 49.57 | -27 49.5 | 1.726 | 2.720 | 5.7 | 21.2 | 6 20 | 16 52.96 | + 7 41.4 | 2.664 | 3.548 | 9.4 | 20.2 |
| 6 30 | 16 41.39 | -27 21.4 | 1.771 | 2.720 | 9.5 | 21.4 | 6 30 | 16 46.72 | + 7 11.2 | 2.717 | 3.551 | 10.7 | 20.3 |
| 7 10 | 16 35.45 | -26 52.7 | 1.839 | 2.721 | 13.0 | 21.7 | 7 10 | 16 41.76 | + 6 25.2 | 2.790 | 3.555 | 12.2 | 20.4 |
| 288223 | 2003 YW ₅₈ | | 6 7.2 151°12 | 0°6/ 7.1 17 | | | 370458 | 2003 AV ₃₉ | | 6 7.2 71°09 | 4°0/ 6.5 17 | | |
| 5 1 | 17 33.47 | -20 1.4 | 1.846 | 2.672 | 14.9 | 21.0 | 5 1 | 17 30.41 | -14 1.6 | 1.576 | 2.415 | 16.5 | 20.3 |
| 5 11 | 17 27.87 | -20 18.8 | 1.770 | 2.680 | 11.6 | 20.8 | 5 11 | 17 25.51 | -13 33.3 | 1.521 | 2.435 | 12.8 | 20.1 |
| 5 21 | 17 19.74 | -20 37.2 | 1.715 | 2.686 | 7.6 | 20.6 | 5 21 | 17 18.10 | -13 9.6 | 1.487 | 2.456 | 8.8 | 19.9 |
| 5 31 | 17 9.77 | -20 55.5 | 1.686 | 2.693 | 3.3 | 20.3 | 5 31 | 17 9.01 | -12 52.7 | 1.477 | 2.476 | 5.1 | 19.7 |
| 6 10 | 16 58.99 | -21 13.1 | 1.685 | 2.698 | 1.4 | 20.2 | 6 10 | 16 59.36 | -12 44.6 | 1.492 | 2.496 | 4.4 | 19.7 |
| 6 20 | 16 48.54 | -21 29.7 | 1.711 | 2.704 | 5.8 | 20.5 | 6 20 | 16 50.29 | -12 46.1 | 1.533 | 2.517 | 7.4 | 20.0 |
| 6 30 | 16 39.51 | -21 45.9 | 1.763 | 2.708 | 9.8 | 20.7 | 6 30 | 16 42.82 | -12 57.8 | 1.599 | 2.537 | 11.1 | 20.2 |
| 7 10 | 16 32.72 | -22 3.2 | 1.839 | 2.712 | 13.4 | 21.0 | 7 10 | 16 37.66 | -13 18.9 | 1.686 | 2.557 | 14.5 | 20.5 |
| 244891 | 2003 WP ₃₀ | | 6 7.2 262°35 | 2°3/ 7.6 17 | | | 105351 | 2000 QV ₁₀₁ | | 6 7.2 235°50 | 4°2/ 8.2 18 | | |
| 5 1 | 17 32.34 | -27 33.2 | 1.639 | 2.471 | 16.2 | 21.1 | 5 1 | 17 31.06 | -36 0.2 | 2.782 | 3.569 | 11.4 | 20.4 |
| 5 11 | 17 27.79 | -27 54.2 | 1.546 | 2.457 | 12.8 | 20.9 | 5 11 | 17 25.66 | -36 34.4 | 2.680 | 3.556 | 9.3 | 20.2 |
| 5 21 | 17 20.17 | -28 10.3 | 1.473 | 2.442 | 8.8 | 20.6 | 5 21 | 17 18.17 | -37 1.2 | 2.601 | 3.543 | 7.0 | 20.0 |
| 5 31 | 17 10.12 | -28 18.6 | 1.424 | 2.427 | 4.4 | 20.3 | 5 31 | 17 9.11 | -37 17.7 | 2.548 | 3.529 | 4.9 | 19.9 |
| 6 10 | 16 58.81 | -28 17.3 | 1.400 | 2.412 | 2.6 | 20.1 | 6 10 | 16 59.27 | -37 21.9 | 2.523 | 3.515 | 4.2 | 19.8 |
| 6 20 | 16 47.62 | -28 6.5 | 1.403 | 2.397 | 6.7 | 20.3 | 6 20 | 16 49.52 | -37 13.8 | 2.526 | 3.500 | 5.6 | 19.9 |
| 6 30 | 16 38.00 | -27 49.0 | 1.431 | 2.381 | 11.2 | 20.6 | 6 30 | 16 40.76 | -36 54.9 | 2.557 | 3.485 | 8.0 | 20.0 |
| 7 10 | 16 31.02 | -27 29.1 | 1.480 | 2.365 | 15.3 | 20.8 | 7 10 | 16 33.74 | -36 28.6 | 2.612 | 3.469 | 10.4 | 20.2 |
| 343871 | 2011 HW ₇₁ | | 6 7.2 327°28 | 0°8/ 7.1 17 | | | 302397 | 2002 CC ₉₇ | | 6 7.2 130°61 | 1°7/ 7.5 17 | | |
| 5 1 | 17 27.84 | -20 42.5 | 1.704 | 2.546 | 15.3 | 20.9 | 5 1 | 17 35.15 | -26 36.4 | 1.681 | 2.507 | 16.1 | 21.2 |
| 5 11 | 17 23.83 | -20 42.0 | 1.622 | 2.541 | 11.9 | 20.7 | 5 11 | 17 29.44 | -26 51.0 | 1.611 | 2.519 | 12.6 | 21.0 |
| 5 21 | 17 17.25 | -20 41.0 | 1.561 | 2.536 | 7.8 | 20.4 | 5 21 | 17 20.88 | -27 0.5 | 1.562 | 2.531 | 8.4 | 20.8 |
| 5 31 | 17 8.76 | -20 39.5 | 1.524 | 2.531 | 3.4 | 20.2 | 5 31 | 17 10.28 | -27 2.6 | 1.537 | 2.542 | 4.0 | 20.5 |
| 6 10 | 16 59.38 | -20 37.8 | 1.513 | 2.527 | 1.6 | 20.0 | 6 10 | 16 58.87 | -26 56.5 | 1.539 | 2.552 | 2.0 | 20.4 |
| 6 20 | 16 50.26 | -20 36.8 | 1.529 | 2.523 | 6.1 | 20.3 | 6 20 | 16 47.95 | -26 43.2 | 1.568 | 2.562 | 6.1 | 20.7 |
| 6 30 | 16 42.52 | -20 37.9 | 1.569 | 2.519 | 10.4 | 20.5 | 6 30 | 16 38.77 | -26 25.8 | 1.623 | 2.571 | 10.3 | 21.0 |
| 7 10 | 16 37.04 | -20 42.8 | 1.631 | 2.516 | 14.2 | 20.8 | 7 10 | 16 32.17 | -26 8.0 | 1.700 | 2.580 | 14.0 | 21.2 |
| 480615 | 2015 MP ₁₁₀ | | 6 7.2 210°39 | 1°2/ 6.9 18 | | | 472685 | 2015 ER ₆₃ | | 6 7.2 56°36 | 2°4/ 6.8 16 | | |
| 5 1 | 17 26.18 | -18 40.8 | 2.745 | 3.564 | 10.8 | 21.4 | 5 1 | 17 29.02 | -16 47.4 | 1.651 | 2.492 | 15.7 | 21.1 |
| 5 11 | 17 21.52 | -18 40.0 | 2.653 | 3.560 | 8.3 | 21.3 | 5 11 | 17 24.46 | -16 39.4 | 1.592 | 2.509 | 12.2 | 20.9 |
| 5 21 | 17 15.23 | -18 39.8 | 2.586 | 3.555 | 5.5 | 21.1 | 5 21 | 17 17.46 | -16 34.2 | 1.553 | 2.526 | 8.1 | 20.7 |
| 5 31 | 17 7.77 | -18 40.4 | 2.546 | 3.551 | 2.5 | 20.9 | 5 31 | 17 8.77 | -16 32.6 | 1.539 | 2.543 | 4.0 | 20.5 |
| 6 10 | 16 59.78 | -18 42.1 | 2.534 | 3.546 | 1.5 | 20.8 | 6 10 | 16 59.47 | -16 35.4 | 1.551 | 2.561 | 2.9 | 20.5 |
| 6 20 | 16 51.94 | -18 45.4 | 2.551 | 3.541 | 4.4 | 21.0 | 6 20 | 16 50.66 | -16 43.0 | 1.588 | 2.579 | 6.4 | 20.8 |
| 6 30 | 16 44.93 | -18 51.0 | 2.596 | 3.536 | 7.3 | 21.1 | 6 30 | 16 43.37 | -16 56.3 | 1.651 | 2.597 | 10.3 | 21.0 |
| 7 10 | 16 39.31 | -18 59.5 | 2.665 | 3.530 | 10.0 | 21.3 | 7 10 | 16 38.30 | -17 15.2 | 1.735 | 2.615 | 13.8 | 21.3 |
| 111777 | 2002 CG ₁₆₆ | | 6 7.2 230°75 | 2°3/ 7.6 17 | | | 106183 | 2000 US ₈ | | 6 7.2 244°15 | 2°9/ 6.4 18 | | |
| 5 1 | 17 34.47 | -27 51.0 | | | | | | | | | | | |

EPHEMERIDES

6 7.2

6 7.3

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|-------------|---------|------|---------------|------------------------|-----------------|--------------|---------------|---------|------|
| 423845 | 2006 QY ₆₁ | | 6 7.2 271°05 | 1°9/ 7.6 18 | | | 137059 | 1998 VA ₄₉ | | 6 7.2 230°99 | 4°6/ 5.9 18 | | |
| 5 1 | 17 32.67 | -27 29.5 | 1.746 | 2.574 | 15.6 | 21.9 | 5 1 | 17 30.15 | -11 8.8 | 2.163 | 2.980 | 13.4 | 20.7 |
| 5 11 | 17 27.99 | -27 36.4 | 1.640 | 2.549 | 12.3 | 21.6 | 5 11 | 17 25.02 | -10 31.0 | 2.067 | 2.966 | 10.7 | 20.5 |
| 5 21 | 17 20.32 | -27 37.6 | 1.555 | 2.524 | 8.5 | 21.4 | 5 21 | 17 17.79 | -9 56.9 | 1.993 | 2.951 | 7.7 | 20.3 |
| 5 31 | 17 10.24 | -27 30.4 | 1.493 | 2.498 | 4.1 | 21.0 | 5 31 | 17 8.99 | -9 29.1 | 1.945 | 2.935 | 5.2 | 20.1 |
| 6 10 | 16 58.82 | -27 13.9 | 1.458 | 2.471 | 2.2 | 20.8 | 6 10 | 16 59.41 | -9 10.1 | 1.924 | 2.919 | 4.9 | 20.1 |
| 6 20 | 16 47.39 | -26 48.7 | 1.449 | 2.443 | 6.4 | 21.0 | 6 20 | 16 49.95 | -9 1.8 | 1.931 | 2.902 | 7.3 | 20.2 |
| 6 30 | 16 37.36 | -26 18.0 | 1.466 | 2.416 | 11.1 | 21.2 | 6 30 | 16 41.52 | -9 5.0 | 1.964 | 2.884 | 10.4 | 20.3 |
| 7 10 | 16 29.84 | -25 46.5 | 1.505 | 2.387 | 15.3 | 21.4 | 7 10 | 16 34.85 | -9 19.6 | 2.020 | 2.865 | 13.5 | 20.5 |
| 56729 | 2000 NM ₁₄ | | 6 7.2 211°35 | 4°2/ 6.3 18 | | | 62465 | 2000 SJ ₂₁₃ | | 6 7.2 175°76 | 1°6/ 6.9 18 | | |
| 5 1 | 17 26.24 | -10 43.8 | 2.262 | 3.083 | 12.7 | 19.5 | 5 1 | 17 27.55 | -17 4.6 | 2.433 | 3.255 | 11.9 | 19.4 |
| 5 11 | 17 21.81 | -10 23.1 | 2.180 | 3.082 | 10.1 | 19.3 | 5 11 | 17 22.77 | -17 12.7 | 2.348 | 3.255 | 9.2 | 19.2 |
| 5 21 | 17 15.53 | -10 7.8 | 2.121 | 3.081 | 7.2 | 19.1 | 5 21 | 17 16.16 | -17 23.1 | 2.287 | 3.256 | 6.1 | 19.0 |
| 5 31 | 17 7.94 | -9 59.7 | 2.088 | 3.079 | 4.8 | 18.9 | 5 31 | 17 8.24 | -17 35.8 | 2.252 | 3.256 | 2.9 | 18.8 |
| 6 10 | 16 59.77 | -10 0.3 | 2.081 | 3.078 | 4.4 | 18.9 | 6 10 | 16 59.72 | -17 50.7 | 2.245 | 3.257 | 1.9 | 18.7 |
| 6 20 | 16 51.81 | -10 10.3 | 2.102 | 3.076 | 6.5 | 19.0 | 6 20 | 16 51.40 | -18 8.1 | 2.267 | 3.257 | 4.9 | 19.0 |
| 6 30 | 16 44.83 | -10 29.8 | 2.149 | 3.075 | 9.4 | 19.2 | 6 30 | 16 44.02 | -18 27.9 | 2.316 | 3.257 | 8.1 | 19.2 |
| 7 10 | 16 39.46 | -10 58.1 | 2.219 | 3.073 | 12.1 | 19.4 | 7 10 | 16 38.22 | -18 50.6 | 2.390 | 3.257 | 10.9 | 19.3 |
| 407734 | 2011 US ₃₅₆ | | 6 7.2 130°13 | 1°4/ 6.9 17 | | | 83527 | 2001 SW ₁₄₉ | | 6 7.2 94°35 | 4°2/ 8.4 18 | | |
| 5 1 | 17 33.19 | -19 43.0 | 1.581 | 2.417 | 16.5 | 21.9 | 5 1 | 17 30.53 | -34 52.9 | 2.159 | 2.965 | 13.7 | 19.3 |
| 5 11 | 17 27.95 | -19 36.0 | 1.511 | 2.427 | 12.8 | 21.7 | 5 11 | 17 25.58 | -35 15.1 | 2.079 | 2.969 | 11.0 | 19.1 |
| 5 21 | 17 19.91 | -19 29.0 | 1.463 | 2.436 | 8.5 | 21.4 | 5 21 | 17 18.24 | -35 27.8 | 2.021 | 2.973 | 8.1 | 19.0 |
| 5 31 | 17 9.88 | -19 22.1 | 1.438 | 2.444 | 3.8 | 21.2 | 5 31 | 17 9.17 | -35 28.1 | 1.988 | 2.976 | 5.3 | 18.8 |
| 6 10 | 16 59.04 | -19 15.9 | 1.440 | 2.453 | 2.1 | 21.1 | 6 10 | 16 59.38 | -35 14.8 | 1.981 | 2.980 | 4.3 | 18.7 |
| 6 20 | 16 48.67 | -19 11.7 | 1.468 | 2.460 | 6.5 | 21.4 | 6 20 | 16 49.93 | -34 48.7 | 2.001 | 2.984 | 6.1 | 18.9 |
| 6 30 | 16 39.97 | -19 11.1 | 1.520 | 2.468 | 10.9 | 21.7 | 6 30 | 16 41.87 | -34 13.0 | 2.048 | 2.987 | 9.0 | 19.0 |
| 7 10 | 16 33.78 | -19 15.7 | 1.595 | 2.475 | 14.8 | 21.9 | 7 10 | 16 35.94 | -33 32.1 | 2.118 | 2.991 | 11.9 | 19.2 |
| 391096 | 2005 UE ₃₅₈ | | 6 7.2 307°20 | 0°0/ 7.2 18 | | | 346015 | 2007 TQ ₂₆₆ | | 6 7.2 305°06 | 3°5/ 7.8 16 | | |
| 5 1 | 17 26.23 | -23 19.0 | 2.113 | 2.945 | 13.1 | 21.2 | 5 1 | 17 29.88 | -30 46.3 | 1.898 | 2.722 | 14.7 | 20.8 |
| 5 11 | 17 22.15 | -23 9.5 | 2.022 | 2.935 | 10.2 | 21.0 | 5 11 | 17 25.49 | -31 20.9 | 1.811 | 2.715 | 11.7 | 20.6 |
| 5 21 | 17 15.95 | -22 56.8 | 1.953 | 2.926 | 6.7 | 20.8 | 5 21 | 17 18.43 | -31 49.4 | 1.745 | 2.708 | 8.3 | 20.3 |
| 5 31 | 17 8.18 | -22 41.0 | 1.910 | 2.917 | 2.9 | 20.5 | 5 31 | 17 9.36 | -32 8.4 | 1.703 | 2.701 | 4.9 | 20.1 |
| 6 10 | 16 59.69 | -22 22.7 | 1.893 | 2.908 | 1.1 | 20.4 | 6 10 | 16 59.29 | -32 15.9 | 1.688 | 2.694 | 3.7 | 20.0 |
| 6 20 | 16 51.40 | -22 3.3 | 1.904 | 2.899 | 5.1 | 20.6 | 6 20 | 16 49.42 | -32 11.6 | 1.699 | 2.687 | 6.3 | 20.2 |
| 6 30 | 16 44.23 | -21 44.8 | 1.941 | 2.890 | 8.9 | 20.8 | 6 30 | 16 40.94 | -31 57.9 | 1.735 | 2.681 | 9.9 | 20.4 |
| 7 10 | 16 38.90 | -21 29.4 | 2.002 | 2.881 | 12.2 | 21.0 | 7 10 | 16 34.77 | -31 38.7 | 1.794 | 2.674 | 13.3 | 20.6 |
| 320600 | 2008 BM ₄₁ | | 6 7.2 47°55 | 1°8/ 6.9 17 | | | 275557 | 1999 RE ₃₀ | | 6 7.2 264°21 | 8°9/ 3.6 18 R | | |
| 5 1 | 17 29.85 | -19 10.2 | 1.331 | 2.185 | 18.1 | 20.2 | 5 1 | 17 27.03 | -0 48.2 | 2.107 | 2.907 | 14.2 | 20.7 |
| 5 11 | 17 25.73 | -19 3.8 | 1.273 | 2.198 | 13.9 | 19.9 | 5 11 | 17 22.67 | +0 32.3 | 2.016 | 2.887 | 12.2 | 20.6 |
| 5 21 | 17 18.59 | -18 58.3 | 1.234 | 2.211 | 9.2 | 19.7 | 5 21 | 17 16.28 | +1 44.1 | 1.946 | 2.867 | 10.2 | 20.4 |
| 5 31 | 17 9.34 | -18 54.3 | 1.218 | 2.225 | 4.2 | 19.4 | 5 31 | 17 8.36 | +2 41.6 | 1.900 | 2.846 | 9.0 | 20.3 |
| 6 10 | 16 59.28 | -18 52.6 | 1.227 | 2.240 | 2.4 | 19.4 | 6 10 | 16 59.67 | +3 20.0 | 1.879 | 2.824 | 9.2 | 20.2 |
| 6 20 | 16 49.83 | -18 54.2 | 1.259 | 2.254 | 7.1 | 19.7 | 6 20 | 16 51.08 | +3 36.5 | 1.883 | 2.802 | 10.8 | 20.3 |
| 6 30 | 16 42.24 | -19 0.4 | 1.316 | 2.269 | 11.7 | 20.0 | 6 30 | 16 43.45 | +3 30.2 | 1.911 | 2.780 | 13.1 | 20.4 |
| 7 10 | 16 37.36 | -19 12.3 | 1.393 | 2.285 | 15.7 | 20.3 | 7 10 | 16 37.51 | +3 2.8 | 1.958 | 2.758 | 15.5 | 20.5 |
| 522961 | 2016 PY ₁₁₄ | | 6 7.2 276°97 | 4°2/ 6.3 18 | | | 5122 | Mucha | | 6 7.2 263°02 | 4°5/ 6.6 18 | | |
| 5 1 | 17 25.73 | -10 41.3 | 2.256 | 3.078 | 12.7 | 21.8 | 5 1 | 17 29.58 | -10 26.2 | 1.983 | 2.804 | 14.2 | 16.8 |
| 5 11 | 17 21.49 | -10 21.1 | 2.168 | 3.071 | 10.1 | 21.6 | 5 11 | 17 24.88 | -10 15.3 | 1.884 | 2.786 | 11.4 | 16.6 |
| 5 21 | 17 15.38 | -10 6.2 | 2.104 | 3.063 | 7.3 | 21.4 | 5 21 | 17 17.88 | -10 11.2 | 1.807 | 2.767 | 8.2 | 16.4 |
| 5 31 | 17 7.90 | -9 58.7 | 2.064 | 3.056 | 4.8 | 21.2 | 5 31 | 17 9.10 | -10 16.1 | 1.755 | 2.748 | 5.3 | 16.2 |
| 6 10 | 16 59.81 | -10 0.0 | 2.052 | 3.048 | 4.4 | 21.2 | 6 10 | 16 59.38 | -10 31.3 | 1.730 | 2.729 | 4.8 | 16.1 |
| 6 20 | 16 51.87 | -10 10.8 | 2.066 | 3.041 | 6.6 | 21.3 | 6 20 | 16 49.71 | -10 57.2 | 1.732 | 2.709 | 7.3 | 16.2 |
| 6 30 | 16 44.89 | -10 31.4 | 2.107 | 3.033 | 9.5 | 21.5 | 6 30 | 16 41.09 | -11 33.4 | 1.759 | 2.689 | 10.8 | 16.4 |
| 7 10 | 16 39.52 | -11 0.9 | 2.171 | 3.026 | 12.3 | 21.6 | 7 10 | 16 34.37 | -12 18.9 | 1.809 | 2.669 | 14.2 | 16.5 |
| 499551 | 2010 RQ ₁₃₈ | | 6 7.2 294°67 | 4°9/ 7.7 17 | | | 251673 | 1995 SY ₁₈ | | 6 7.2 205°12 | 1°0/ 7.5 17 | | |
| 5 1 | 17 32.05 | -31 10.1 | 1.439 | 2.276 | 17.8 | 22.0 | 5 1 | 17 33.21 | -25 50.6 | 2.079 | 2.897 | 13.8 | 22.4 |
| 5 11 | 17 28.43 | -31 57.0 | 1.338 | 2.249 | 14.4 | 21.7 | 5 11 | 17 27.63 | -25 55.5 | 1.987 | 2.892 | 10.8 | 22.2 |
| 5 21 | 17 21.19 | -32 38.6 | 1.256 | 2.222 | 10.5 | 21.4 | 5 21 | 17 19.61 | -25 56.1 | 1.918 | 2.886 | 7.2 | 21.9 |
| 5 31 | 17 10.82 | -33 9.1 | 1.197 | 2.194 | 6.5 | 21.1 | 5 31 | 17 9.80 | -25 51.0 | 1.874 | 2.879 | 3.3 | 21.7 |
| 6 10 | 16 58.58 | -33 23.9 | 1.161 | 2.166 | 5.1 | 20.9 | 6 10 | 16 59.14 | -25 39.8 | 1.858 | 2.872 | 1.5 | 21.5 |
| 6 20 | 16 46.16 | -33 20.8 | 1.149 | 2.139 | 8.5 | 21.0 | 6 20 | 16 48.70 | -25 23.4 | 1.870 | 2.863 | 5.3 | 21.8 |
| 6 30 | 16 35.41 | -33 2.2 | 1.161 | 2.111 | 13.2 | 21.2 | 6 30 | 16 39.54 | -25 4.2 | 1.910 | 2.855 | 9.2 | 22.0 |
| 7 10 | 16 27.85 | -32 34.4 | 1.192 | 2.084 | 17.8 | 21.4 | 7 10 | 16 32.48 | -24 45.2 | 1.973 | 2.845 | 12.7 | 22.2 |
| 213537 | 2002 JD ₅₅ | | 6 7.2 79°93 | 0°6/ 7.1 17 | | | 497329 | 2005 TZ ₁₆₄ | | 6 7.3 152°81 | 1°7/ 7.7 17 | | |
| 5 1 | 17 32.74 | -22 40.8 | 1.428 | 2.272 | 17.6 | 20.4 | 5 1 | 17 32.80 | -27 41.5 | 2.235 | 3.047 | 13.1 | 23.0 |
| 5 11 | 17 27.74 | -22 22.8 | 1.369 | 2.289 | 13.5 | 20.2 | 5 11 | 17 27.02 | -27 52.7 | 2.156 | 3.056 | 10.2 | 22.8 |
| 5 21 | 17 19.80 | -22 1.3 | 1.331 | 2.306 | 8.9 | 19.9 | 5 21 | 17 19.04 | -27 58.7 | 2.099 | 3.064 | 6.9 | 22.7 |
| 5 31 | 17 9.81 | -21 36.5 | 1.315 | 2.323 | 3.8 | 19.7 | 5 31 | 17 9.48 | -27 58.0 | 2.069 | 3.072 | 3.4 | 22.4 |
| 6 10 | 16 59.13 | -21 9.9 | 1.325 | 2.339 | 1.6 | 19.6 | 6 10 | 16 59.28 | -27 50.0 | 2.067 | 3.079 | 1.9 | 22.3 |
| 6 20 | 16 49.12 | -20 44.0 | 1.361 | 2.356 | 6.6 | 19.9 | 6 20 | 16 49.42 | -27 35.6 | 2.093 | 3.085 | 5.0 | 22.6 |
| 6 30 | 16 41.01 | -20 22.0 | 1.421 | 2.372 | 11.2 | 20.2 | 6 30 | 16 40.84 | -27 17.1 | 2.147 | 3.091 | 8.4 | 22.8 |
| 7 10 | 16 35.61 | -20 6.5 | 1.502 | 2.388 | 15.1 | 20.5 | 7 10 | 16 34.23 | -26 57.4 | 2.225 | 3.096 | 11.5 | 23.0 |
| 416411 | 2003 UN ₁₇₅ | | 6 7.2 233°16 | 1°1/ 7.5 17 | | | 490688 | 2010 MH ₁₇ | | 6 7.3 281°40 | 5°0/ 5.3 16 | | |
| 5 1 | 17 33.38 | -25 47.4 | 1.913 | | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|-------------|-------|---------|------|---------------|------------------------|-----------------|-------------|-------|---------|------|
| 426950 | 2013 YR ₂₄ | 6 7.3 72°09 | 0°0/ 7.1 17 | | | | 339416 | 2005 CJ ₇₀ | 6 7.3 272°58 | 2°4/ 7.9 16 | | | |
| 5 1 | 17 29.35 | -24 6.3 | 1.795 | 2.630 | 14.9 | 21.1 | 5 1 | 17 29.77 | -29 32.4 | 1.939 | 2.763 | 14.4 | 21.6 |
| 5 11 | 17 24.75 | -23 54.1 | 1.723 | 2.638 | 11.5 | 20.9 | 5 11 | 17 25.23 | -29 39.9 | 1.851 | 2.757 | 11.4 | 21.3 |
| 5 21 | 17 17.71 | -23 37.8 | 1.672 | 2.646 | 7.6 | 20.7 | 5 21 | 17 18.17 | -29 40.3 | 1.784 | 2.751 | 7.8 | 21.1 |
| 5 31 | 17 8.94 | -23 17.1 | 1.647 | 2.653 | 3.3 | 20.4 | 5 31 | 17 9.23 | -29 31.7 | 1.743 | 2.744 | 4.1 | 20.9 |
| 6 10 | 16 59.50 | -22 53.2 | 1.647 | 2.661 | 1.2 | 20.3 | 6 10 | 16 59.44 | -29 13.5 | 1.727 | 2.738 | 2.6 | 20.8 |
| 6 20 | 16 50.48 | -22 27.7 | 1.674 | 2.669 | 5.6 | 20.6 | 6 20 | 16 49.91 | -28 46.8 | 1.738 | 2.731 | 5.7 | 20.9 |
| 6 30 | 16 42.93 | -22 3.6 | 1.727 | 2.677 | 9.7 | 20.9 | 6 30 | 16 41.76 | -28 14.7 | 1.776 | 2.725 | 9.5 | 21.2 |
| 7 10 | 16 37.57 | -21 43.4 | 1.803 | 2.685 | 13.2 | 21.1 | 7 10 | 16 35.81 | -27 41.3 | 1.836 | 2.718 | 13.0 | 21.4 |
| 427949 | 2005 WZ ₁₆₉ | 6 7.3 195°53 | 0°9/ 7.0 17 | | | | 394060 | 2005 XB ₈ | 6 7.3 298°84 | 0°1/ 7.3 18 | | | |
| 5 1 | 17 29.82 | -21 56.6 | 1.900 | 2.731 | 14.4 | 22.0 | 5 1 | 17 28.81 | -20 50.6 | 2.223 | 3.048 | 12.8 | 20.2 |
| 5 11 | 17 25.04 | -21 34.9 | 1.817 | 2.730 | 11.1 | 21.8 | 5 11 | 17 24.17 | -21 27.6 | 2.128 | 3.037 | 9.9 | 20.0 |
| 5 21 | 17 17.89 | -21 10.2 | 1.756 | 2.729 | 7.3 | 21.5 | 5 21 | 17 17.35 | -22 6.6 | 2.055 | 3.026 | 6.6 | 19.8 |
| 5 31 | 17 9.04 | -20 43.0 | 1.721 | 2.727 | 3.2 | 21.3 | 5 31 | 17 8.88 | -22 45.9 | 2.009 | 3.015 | 2.8 | 19.5 |
| 6 10 | 16 59.45 | -20 14.6 | 1.712 | 2.726 | 1.6 | 21.2 | 6 10 | 16 59.56 | -23 24.3 | 1.991 | 3.005 | 1.1 | 19.3 |
| 6 20 | 16 50.18 | -19 47.2 | 1.731 | 2.724 | 5.7 | 21.4 | 6 20 | 16 50.29 | -24 0.4 | 2.001 | 2.994 | 5.0 | 19.6 |
| 6 30 | 16 42.24 | -19 23.1 | 1.776 | 2.722 | 9.7 | 21.7 | 6 30 | 16 42.02 | -24 34.0 | 2.038 | 2.984 | 8.6 | 19.8 |
| 7 10 | 16 36.39 | -19 4.8 | 1.843 | 2.719 | 13.2 | 21.9 | 7 10 | 16 35.54 | -25 5.8 | 2.099 | 2.974 | 11.9 | 20.0 |
| 17881 | Radmall | 6 7.3 0°37 | 2°8/ 6.9 18 | | | | 119654 | 2001 XO ₅₄ | 6 7.3 122°58 | 0°0/ 7.0 17 | | | |
| 5 1 | 17 25.17 | -17 54.1 | 1.054 | 1.930 | 20.1 | 17.4 | 5 1 | 17 30.96 | -23 9.6 | 1.872 | 2.702 | 14.6 | 20.1 |
| 5 11 | 17 23.00 | -17 41.5 | 0.990 | 1.927 | 15.7 | 17.2 | 5 11 | 17 25.93 | -23 8.1 | 1.798 | 2.710 | 11.3 | 19.9 |
| 5 21 | 17 17.32 | -17 31.4 | 0.944 | 1.925 | 10.6 | 16.9 | 5 21 | 17 18.47 | -23 3.8 | 1.746 | 2.718 | 7.4 | 19.7 |
| 5 31 | 17 8.99 | -17 25.6 | 0.918 | 1.925 | 5.1 | 16.6 | 5 31 | 17 9.31 | -22 56.4 | 1.719 | 2.726 | 3.2 | 19.5 |
| 6 10 | 16 59.46 | -17 25.7 | 0.914 | 1.926 | 3.4 | 16.5 | 6 10 | 16 59.44 | -22 46.0 | 1.719 | 2.733 | 1.2 | 19.3 |
| 6 20 | 16 50.38 | -17 32.9 | 0.931 | 1.928 | 8.5 | 16.8 | 6 20 | 16 49.96 | -22 33.9 | 1.746 | 2.741 | 5.5 | 19.6 |
| 6 30 | 16 43.36 | -17 48.4 | 0.969 | 1.931 | 13.8 | 17.1 | 6 30 | 16 41.90 | -22 22.0 | 1.799 | 2.747 | 9.5 | 19.9 |
| 7 10 | 16 39.48 | -18 12.3 | 1.025 | 1.935 | 18.5 | 17.3 | 7 10 | 16 35.99 | -22 12.7 | 1.876 | 2.754 | 12.9 | 20.1 |
| 408164 | 2013 CS ₁₆₃ | 6 7.3 13°23 | 4°7/ 6.5 17 | | | | 390625 | 2002 BO ₄ | 6 7.3 44°73 | 2°5/ 7.1 17 | | | |
| 5 1 | 17 26.84 | -15 4.9 | 1.083 | 1.954 | 20.1 | 20.6 | 5 1 | 17 36.29 | -23 53.2 | 1.828 | 2.648 | 15.3 | 20.2 |
| 5 11 | 17 24.05 | -14 30.9 | 1.024 | 1.956 | 15.8 | 20.4 | 5 11 | 17 30.18 | -25 27.3 | 1.769 | 2.674 | 11.8 | 20.0 |
| 5 21 | 17 17.87 | -14 1.5 | 0.981 | 1.958 | 10.9 | 20.1 | 5 21 | 17 21.37 | -27 1.7 | 1.733 | 2.700 | 7.9 | 19.8 |
| 5 31 | 17 9.17 | -13 40.0 | 0.959 | 1.962 | 6.2 | 19.9 | 5 31 | 17 10.58 | -28 31.3 | 1.723 | 2.726 | 4.0 | 19.6 |
| 6 10 | 16 59.42 | -13 29.9 | 0.959 | 1.967 | 5.2 | 19.8 | 6 10 | 16 58.95 | -29 51.0 | 1.743 | 2.752 | 2.8 | 19.6 |
| 6 20 | 16 50.21 | -13 32.8 | 0.981 | 1.972 | 9.3 | 20.1 | 6 20 | 16 47.70 | -30 58.0 | 1.790 | 2.779 | 6.0 | 19.9 |
| 6 30 | 16 43.02 | -13 49.6 | 1.024 | 1.978 | 14.2 | 20.3 | 6 30 | 16 38.02 | -31 51.9 | 1.865 | 2.806 | 9.7 | 20.1 |
| 7 10 | 16 38.87 | -14 19.1 | 1.085 | 1.985 | 18.6 | 20.6 | 7 10 | 16 30.75 | -32 34.9 | 1.964 | 2.833 | 12.8 | 20.4 |
| 433335 | 2013 RP ₃₀ | 6 7.3 274°56 | 0°0/ 7.0 17 | | | | 30871 | 1992 EG ₁₆ | 6 7.3 127°85 | 0°7/ 7.1 18 | | | |
| 5 1 | 17 30.81 | -22 25.8 | 1.688 | 2.525 | 15.6 | 21.6 | 5 1 | 17 27.80 | -21 5.5 | 2.679 | 3.496 | 11.1 | 20.1 |
| 5 11 | 17 26.47 | -22 33.1 | 1.589 | 2.505 | 12.3 | 21.3 | 5 11 | 17 22.71 | -20 56.0 | 2.604 | 3.510 | 8.5 | 20.0 |
| 5 21 | 17 19.28 | -22 39.1 | 1.512 | 2.485 | 8.2 | 21.0 | 5 21 | 17 15.98 | -20 45.4 | 2.553 | 3.523 | 5.6 | 19.8 |
| 5 31 | 17 9.82 | -22 42.8 | 1.458 | 2.465 | 3.6 | 20.7 | 5 31 | 17 8.15 | -20 33.7 | 2.529 | 3.535 | 2.4 | 19.6 |
| 6 10 | 16 59.13 | -22 43.8 | 1.431 | 2.445 | 1.4 | 20.5 | 6 10 | 16 59.89 | -20 21.5 | 2.534 | 3.547 | 1.2 | 19.5 |
| 6 20 | 16 48.48 | -22 42.5 | 1.430 | 2.425 | 6.4 | 20.8 | 6 20 | 16 51.92 | -20 9.9 | 2.567 | 3.559 | 4.2 | 19.8 |
| 6 30 | 16 39.19 | -22 40.5 | 1.453 | 2.404 | 11.1 | 21.0 | 6 30 | 16 44.90 | -20 0.1 | 2.629 | 3.570 | 7.2 | 20.0 |
| 7 10 | 16 32.31 | -22 40.5 | 1.499 | 2.383 | 15.3 | 21.2 | 7 10 | 16 39.36 | -19 53.2 | 2.716 | 3.581 | 9.8 | 20.2 |
| 349273 | 2007 TH ₂₆₈ | 6 7.3 206°22 | 3°2/ 7.7 17 | | | | 245104 | 2004 PF ₅₉ | 6 7.3 308°26 | 0°8/ 7.4 17 | | | |
| 5 1 | 17 35.49 | -29 43.8 | 1.837 | 2.654 | 15.3 | 22.3 | 5 1 | 17 28.25 | -25 15.5 | 1.207 | 2.069 | 19.0 | 21.0 |
| 5 11 | 17 29.92 | -30 18.0 | 1.749 | 2.650 | 12.2 | 22.1 | 5 11 | 17 25.54 | -25 11.9 | 1.121 | 2.050 | 15.0 | 20.6 |
| 5 21 | 17 21.42 | -30 46.6 | 1.682 | 2.645 | 8.5 | 21.8 | 5 21 | 17 19.22 | -25 2.2 | 1.052 | 2.031 | 10.2 | 20.3 |
| 5 31 | 17 10.68 | -31 5.9 | 1.640 | 2.639 | 4.8 | 21.6 | 5 31 | 17 9.96 | -24 44.8 | 1.005 | 2.012 | 4.6 | 19.9 |
| 6 10 | 16 58.84 | -31 13.4 | 1.624 | 2.632 | 3.4 | 21.5 | 6 10 | 16 59.12 | -24 19.6 | 0.980 | 1.994 | 1.8 | 19.7 |
| 6 20 | 16 47.21 | -31 8.8 | 1.636 | 2.625 | 6.5 | 21.7 | 6 20 | 16 48.41 | -23 48.9 | 0.978 | 1.976 | 7.8 | 20.0 |
| 6 30 | 16 37.11 | -30 54.6 | 1.674 | 2.617 | 10.4 | 21.9 | 6 30 | 16 39.61 | -23 17.2 | 0.998 | 1.960 | 13.5 | 20.2 |
| 7 10 | 16 29.54 | -30 35.3 | 1.734 | 2.609 | 14.0 | 22.1 | 7 10 | 16 34.03 | -22 49.7 | 1.037 | 1.943 | 18.6 | 20.5 |
| 290976 | 2005 XM ₂₀ | 6 7.3 157°91 | 1°3/ 7.6 18 | | | | 121598 | 1999 VO ₁₃₀ | 6 7.3 212°94 | 1°5/ 7.7 18 | | | |
| 5 1 | 17 27.47 | -27 4.9 | 2.729 | 3.542 | 11.0 | 21.2 | 5 1 | 17 27.82 | -27 40.4 | 2.886 | 3.695 | 10.6 | 21.1 |
| 5 11 | 17 22.60 | -27 14.2 | 2.644 | 3.545 | 8.5 | 21.0 | 5 11 | 17 22.88 | -27 54.5 | 2.791 | 3.689 | 8.3 | 20.9 |
| 5 21 | 17 16.00 | -27 19.6 | 2.583 | 3.549 | 5.7 | 20.9 | 5 21 | 17 16.21 | -28 4.8 | 2.719 | 3.683 | 5.6 | 20.8 |
| 5 31 | 17 8.18 | -27 20.1 | 2.549 | 3.552 | 2.8 | 20.7 | 5 31 | 17 8.31 | -28 10.2 | 2.674 | 3.676 | 2.8 | 20.6 |
| 6 10 | 16 59.83 | -27 15.4 | 2.543 | 3.555 | 1.5 | 20.6 | 6 10 | 16 59.83 | -28 10.1 | 2.658 | 3.669 | 1.7 | 20.5 |
| 6 20 | 16 51.71 | -27 6.3 | 2.565 | 3.557 | 4.2 | 20.8 | 6 20 | 16 51.49 | -28 4.8 | 2.671 | 3.662 | 4.1 | 20.6 |
| 6 30 | 16 44.52 | -26 54.1 | 2.616 | 3.560 | 7.1 | 21.0 | 6 30 | 16 44.00 | -27 55.6 | 2.712 | 3.655 | 6.9 | 20.8 |
| 7 10 | 16 38.85 | -26 40.8 | 2.691 | 3.562 | 9.7 | 21.1 | 7 10 | 16 37.97 | -27 44.5 | 2.779 | 3.647 | 9.5 | 21.0 |
| 374940 | 2007 BU ₃₅ | 6 7.3 63°34 | 1°3/ 7.5 17 | | | | 123538 | 2000 XR ₁₉ | 6 7.3 241°09 | 5°9/ 8.2 18 | | | |
| 5 1 | 17 30.97 | -26 17.0 | 1.566 | 2.405 | 16.5 | 21.1 | 5 1 | 17 34.67 | -37 38.2 | 2.128 | 2.921 | 14.3 | 20.0 |
| 5 11 | 17 26.39 | -26 19.8 | 1.499 | 2.415 | 12.8 | 20.9 | 5 11 | 17 29.27 | -38 28.7 | 2.033 | 2.910 | 11.8 | 19.8 |
| 5 21 | 17 18.98 | -26 17.0 | 1.453 | 2.426 | 8.6 | 20.6 | 5 21 | 17 21.03 | -39 9.9 | 1.959 | 2.897 | 9.1 | 19.6 |
| 5 31 | 17 9.55 | -26 7.1 | 1.431 | 2.437 | 3.9 | 20.4 | 5 31 | 17 10.57 | -39 36.9 | 1.909 | 2.885 | 6.7 | 19.4 |
| 6 10 | 16 59.34 | -25 50.3 | 1.434 | 2.448 | 1.8 | 20.2 | 6 10 | 16 58.95 | -39 46.1 | 1.885 | 2.871 | 5.9 | 19.3 |
| 6 20 | 16 49.65 | -25 28.3 | 1.463 | 2.459 | 6.1 | 20.6 | 6 20 | 16 47.44 | -39 36.8 | 1.888 | 2.858 | 7.5 | 19.4 |
| 6 30 | 16 41.70 | -25 4.4 | 1.517 | 2.470 | 10.5 | 20.8 | 6 30 | 16 37.35 | -39 11.4 | 1.917 | 2.844 | 10.3 | 19.5 |
| 7 10 | 16 36.31 | -24 42.2 | 1.592 | 2.481 | 14.3 | 21.1 | 7 10 | 16 29.68 | -38 35.2 | 1.969 | 2.830 | 13.2 | 19.7 |
| 312145 | 2007 TM ₃₇₆ | 6 7.3 206°20 | 4°3/ 6.5 17 | | | | 285090 | 1993 TV ₂₄ | 6 7.3 290°04 | 2°0/ 6.9 17 | | | |
| 5 1 | 17 31.42 | -12 52.7 | 1.684 | | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|----------|---------|------|
| 129907 | 1999 <i>TN</i> ₇₈ | | 6 7.3 237°82 | 1°2/ 6.9 | 18 | | 425188 | 2009 <i>UE</i> ₇₉ | | 6 7.3 155°15 | 3°9/ 5.9 | 17 | |
| 5 1 | 17 28.85 | -20 11.2 | 2.027 | 2.857 | 13.6 | 20.9 | 5 1 | 17 28.99 | -16 31.0 | 1.812 | 2.647 | 14.8 | 21.0 |
| 5 11 | 17 24.24 | -19 58.6 | 1.938 | 2.850 | 10.6 | 20.7 | 5 11 | 17 24.37 | -15 24.3 | 1.735 | 2.648 | 11.6 | 20.8 |
| 5 21 | 17 17.38 | -19 45.0 | 1.871 | 2.843 | 7.0 | 20.4 | 5 21 | 17 17.44 | -14 16.4 | 1.681 | 2.650 | 8.0 | 20.6 |
| 5 31 | 17 8.88 | -19 30.8 | 1.829 | 2.835 | 3.2 | 20.2 | 5 31 | 17 8.89 | -13 10.9 | 1.651 | 2.651 | 4.7 | 20.4 |
| 6 10 | 16 59.62 | -19 17.0 | 1.815 | 2.828 | 1.8 | 20.1 | 6 10 | 16 59.70 | -12 11.6 | 1.649 | 2.652 | 4.3 | 20.4 |
| 6 20 | 16 50.56 | -19 4.8 | 1.828 | 2.820 | 5.6 | 20.3 | 6 20 | 16 50.88 | -11 22.5 | 1.673 | 2.653 | 7.3 | 20.6 |
| 6 30 | 16 42.68 | -18 55.8 | 1.867 | 2.812 | 9.4 | 20.5 | 6 30 | 16 43.41 | -10 46.3 | 1.722 | 2.654 | 10.9 | 20.8 |
| 7 10 | 16 36.73 | -18 51.8 | 1.930 | 2.804 | 12.8 | 20.7 | 7 10 | 16 38.00 | -10 24.2 | 1.794 | 2.655 | 14.2 | 21.0 |
| 443778 | 2015 <i>MX</i> ₆₇ | | 6 7.3 191°84 | 6°5/ 6.0 | 18 | | 347907 | 2002 <i>WQ</i> ₃₀ | | 6 7.3 159°11 | 0°2/ 7.3 | 17 | |
| 5 1 | 17 25.69 | -1 23.1 | 2.559 | 3.352 | 12.2 | 20.4 | 5 1 | 17 28.73 | -23 29.0 | 2.292 | 3.114 | 12.5 | 21.1 |
| 5 11 | 17 21.16 | -0 59.0 | 2.480 | 3.351 | 10.2 | 20.3 | 5 11 | 17 23.87 | -23 33.4 | 2.209 | 3.117 | 9.7 | 20.9 |
| 5 21 | 17 15.04 | -0 45.3 | 2.424 | 3.351 | 8.2 | 20.1 | 5 21 | 17 17.00 | -23 35.5 | 2.149 | 3.120 | 6.4 | 20.7 |
| 5 31 | 17 7.79 | -0 44.5 | 2.392 | 3.350 | 6.8 | 20.0 | 5 31 | 17 8.69 | -23 34.8 | 2.116 | 3.122 | 2.8 | 20.5 |
| 6 10 | 17 0.05 | -0 58.1 | 2.387 | 3.349 | 6.6 | 20.0 | 6 10 | 16 59.76 | -23 31.1 | 2.110 | 3.124 | 1.0 | 20.4 |
| 6 20 | 16 52.50 | -1 26.4 | 2.409 | 3.348 | 7.8 | 20.1 | 6 20 | 16 51.09 | -23 25.3 | 2.132 | 3.126 | 4.7 | 20.6 |
| 6 30 | 16 45.80 | -2 8.6 | 2.456 | 3.347 | 9.8 | 20.2 | 6 30 | 16 43.51 | -23 18.7 | 2.182 | 3.128 | 8.2 | 20.8 |
| 7 10 | 16 40.49 | -3 2.3 | 2.527 | 3.346 | 11.9 | 20.4 | 7 10 | 16 37.69 | -23 13.1 | 2.256 | 3.129 | 11.2 | 21.0 |
| 93320 | 2000 <i>SO</i> ₂₁₉ | | 6 7.3 209°45 | 1°7/ 7.4 | 18 | | 176563 | 2002 <i>AT</i> ₁₅₄ | | 6 7.3 252°61 | 7°0/ 5.6 | 18 | |
| 5 1 | 17 32.76 | -25 35.2 | 2.138 | 2.955 | 13.5 | 20.3 | 5 1 | 17 25.26 | -1 50.1 | 2.369 | 3.169 | 12.8 | 19.8 |
| 5 11 | 17 27.34 | -26 13.0 | 2.047 | 2.951 | 10.5 | 20.1 | 5 11 | 17 21.00 | -1 13.2 | 2.291 | 3.166 | 10.7 | 19.7 |
| 5 21 | 17 19.50 | -26 49.0 | 1.979 | 2.946 | 7.1 | 19.9 | 5 21 | 17 15.02 | -0 46.5 | 2.235 | 3.163 | 8.7 | 19.5 |
| 5 31 | 17 9.84 | -27 20.8 | 1.937 | 2.940 | 3.5 | 19.6 | 5 31 | 17 7.83 | -0 33.2 | 2.203 | 3.161 | 7.2 | 19.4 |
| 6 10 | 16 59.25 | -27 46.3 | 1.922 | 2.934 | 2.0 | 19.5 | 6 10 | 17 0.11 | -0 35.5 | 2.197 | 3.158 | 7.1 | 19.4 |
| 6 20 | 16 48.79 | -28 4.9 | 1.936 | 2.928 | 5.4 | 19.7 | 6 20 | 16 52.58 | -0 54.0 | 2.217 | 3.155 | 8.5 | 19.5 |
| 6 30 | 16 39.53 | -28 17.3 | 1.978 | 2.921 | 9.0 | 19.9 | 6 30 | 16 45.96 | -1 28.2 | 2.261 | 3.152 | 10.5 | 19.6 |
| 7 10 | 16 32.29 | -28 25.7 | 2.043 | 2.914 | 12.3 | 20.1 | 7 10 | 16 40.82 | -2 15.8 | 2.329 | 3.149 | 12.7 | 19.8 |
| 32456 | 2000 <i>SH</i> ₇₂ | | 6 7.3 86°39 | 5°2/ 8.1 | 18 | | 17778 | 1998 <i>FT</i> ₁₁ | | 6 7.3 239°22 | 9°4/ 9.6 | 18 | |
| 5 1 | 17 33.38 | -36 18.2 | 2.326 | 3.119 | 13.3 | 18.2 | 5 1 | 17 38.30 | -47 15.4 | 2.032 | 2.790 | 16.0 | 17.9 |
| 5 11 | 17 27.73 | -37 18.6 | 2.257 | 3.134 | 10.8 | 18.0 | 5 11 | 17 32.67 | -48 14.3 | 1.945 | 2.782 | 14.0 | 17.8 |
| 5 21 | 17 19.67 | -38 10.4 | 2.209 | 3.149 | 8.1 | 17.9 | 5 21 | 17 23.56 | -48 57.3 | 1.878 | 2.774 | 11.8 | 17.6 |
| 5 31 | 17 9.86 | -38 49.6 | 2.187 | 3.164 | 5.9 | 17.8 | 5 31 | 17 11.74 | -49 17.2 | 1.832 | 2.766 | 10.1 | 17.5 |
| 6 10 | 16 59.27 | -39 13.3 | 2.193 | 3.179 | 5.2 | 17.7 | 6 10 | 16 58.61 | -49 9.5 | 1.811 | 2.758 | 9.4 | 17.4 |
| 6 20 | 16 48.98 | -39 21.4 | 2.225 | 3.194 | 6.6 | 17.9 | 6 20 | 16 45.84 | -48 33.6 | 1.813 | 2.749 | 10.2 | 17.4 |
| 6 30 | 16 40.04 | -39 15.7 | 2.284 | 3.209 | 9.0 | 18.0 | 6 30 | 16 35.02 | -47 33.6 | 1.840 | 2.740 | 12.1 | 17.5 |
| 7 10 | 16 33.22 | -39 0.2 | 2.367 | 3.223 | 11.4 | 18.2 | 7 10 | 16 27.30 | -46 17.6 | 1.888 | 2.730 | 14.4 | 17.7 |
| 360069 | 2013 <i>AX</i> ₁₁₈ | | 6 7.3 7°26 | 2°5/ 7.0 | 18 | | 141895 | 2002 <i>PP</i> ₅₆ | | 6 7.3 301°76 | 4°0/ 6.4 | 18 | |
| 5 1 | 17 27.20 | -14 28.2 | 2.060 | 2.889 | 13.5 | 20.0 | 5 1 | 17 27.37 | -16 21.5 | 1.425 | 2.277 | 17.1 | 19.8 |
| 5 11 | 17 22.84 | -14 39.9 | 1.980 | 2.890 | 10.5 | 19.8 | 5 11 | 17 24.14 | -15 42.3 | 1.332 | 2.255 | 13.6 | 19.5 |
| 5 21 | 17 16.40 | -14 56.7 | 1.922 | 2.891 | 7.1 | 19.5 | 5 21 | 17 17.93 | -15 3.2 | 1.259 | 2.233 | 9.4 | 19.2 |
| 5 31 | 17 8.45 | -15 18.8 | 1.889 | 2.891 | 3.8 | 19.3 | 5 31 | 17 9.35 | -14 27.1 | 1.209 | 2.211 | 5.3 | 18.9 |
| 6 10 | 16 59.80 | -15 46.1 | 1.884 | 2.893 | 2.8 | 19.3 | 6 10 | 16 59.50 | -13 57.2 | 1.182 | 2.190 | 4.5 | 18.8 |
| 6 20 | 16 51.37 | -16 18.1 | 1.906 | 2.894 | 5.7 | 19.5 | 6 20 | 16 49.71 | -13 37.0 | 1.180 | 2.168 | 8.5 | 18.9 |
| 6 30 | 16 44.04 | -16 54.4 | 1.954 | 2.896 | 9.2 | 19.7 | 6 30 | 16 41.40 | -13 29.0 | 1.200 | 2.147 | 13.2 | 19.1 |
| 7 10 | 16 38.51 | -17 34.3 | 2.025 | 2.898 | 12.4 | 19.9 | 7 10 | 16 35.65 | -13 34.5 | 1.240 | 2.126 | 17.7 | 19.3 |
| 157835 | 1998 <i>FS</i> ₇₁ | | 6 7.3 112°25 | 4°7/ 5.9 | 18 | | 281441 | 2008 <i>SW</i> ₇₂ | | 6 7.3 331°97 | 4°9/ 7.1 | 17 | |
| 5 1 | 17 29.35 | -12 0.2 | 1.967 | 2.792 | 14.2 | 20.0 | 5 1 | 17 28.31 | -28 5.3 | 1.354 | 2.205 | 17.9 | 19.1 |
| 5 11 | 17 24.31 | -11 9.5 | 1.902 | 2.806 | 11.2 | 19.8 | 5 11 | 17 25.60 | -29 30.4 | 1.265 | 2.185 | 14.4 | 18.8 |
| 5 21 | 17 17.22 | -10 22.9 | 1.859 | 2.820 | 8.0 | 19.7 | 5 21 | 17 19.37 | -30 56.9 | 1.195 | 2.166 | 10.3 | 18.5 |
| 5 31 | 17 8.73 | -9 43.4 | 1.842 | 2.833 | 5.3 | 19.5 | 5 31 | 17 10.15 | -32 18.5 | 1.148 | 2.147 | 6.3 | 18.2 |
| 6 10 | 16 59.74 | -9 13.7 | 1.851 | 2.846 | 5.0 | 19.5 | 6 10 | 16 59.14 | -33 28.6 | 1.124 | 2.130 | 5.2 | 18.1 |
| 6 20 | 16 51.17 | -8 55.7 | 1.887 | 2.859 | 7.3 | 19.7 | 6 20 | 16 47.97 | -34 22.2 | 1.124 | 2.113 | 8.7 | 18.3 |
| 6 30 | 16 43.85 | -8 50.5 | 1.949 | 2.871 | 10.4 | 19.9 | 6 30 | 16 38.47 | -34 58.7 | 1.147 | 2.098 | 13.2 | 18.5 |
| 7 10 | 16 38.42 | -8 57.4 | 2.033 | 2.883 | 13.2 | 20.1 | 7 10 | 16 32.10 | -35 21.3 | 1.189 | 2.085 | 17.6 | 18.7 |
| 3654 | AAS | | 6 7.3 251°31 | 1°2/ 7.0 | 18 | | 248129 | 2004 <i>RK</i> ₃₁₂ | | 6 7.3 277°24 | 1°1/ 7.5 | 18 | |
| 5 1 | 17 32.28 | -20 59.1 | 1.700 | 2.534 | 15.7 | 18.0 | 5 1 | 17 27.45 | -25 42.6 | 2.393 | 3.214 | 12.1 | 20.7 |
| 5 11 | 17 27.50 | -20 42.9 | 1.603 | 2.517 | 12.3 | 17.8 | 5 11 | 17 23.00 | -25 57.4 | 2.296 | 3.202 | 9.4 | 20.5 |
| 5 21 | 17 19.90 | -20 24.5 | 1.527 | 2.500 | 8.2 | 17.5 | 5 21 | 17 16.53 | -26 9.3 | 2.222 | 3.190 | 6.3 | 20.2 |
| 5 31 | 17 10.10 | -20 4.0 | 1.475 | 2.482 | 3.7 | 17.2 | 5 31 | 17 8.56 | -26 17.1 | 2.174 | 3.178 | 3.0 | 20.0 |
| 6 10 | 16 59.16 | -19 42.4 | 1.450 | 2.463 | 1.9 | 17.0 | 6 10 | 16 59.85 | -26 20.2 | 2.153 | 3.166 | 1.5 | 19.9 |
| 6 20 | 16 48.32 | -19 21.6 | 1.451 | 2.444 | 6.6 | 17.2 | 6 20 | 16 51.25 | -26 18.8 | 2.161 | 3.154 | 4.7 | 20.1 |
| 6 30 | 16 38.88 | -19 4.2 | 1.478 | 2.424 | 11.2 | 17.5 | 6 30 | 16 43.64 | -26 14.3 | 2.196 | 3.142 | 8.1 | 20.3 |
| 7 10 | 16 31.83 | -18 53.0 | 1.526 | 2.404 | 15.4 | 17.7 | 7 10 | 16 37.73 | -26 8.5 | 2.255 | 3.130 | 11.2 | 20.4 |
| 314031 | 2004 <i>XZ</i> ₁₀₆ | | 6 7.3 256°94 | 2°7/ 7.6 | 18 | | 162398 | 2000 <i>DP</i> ₇ | | 6 7.3 194°92 | 5°9/ 5.7 | 18 | |
| 5 1 | 17 34.20 | -27 29.9 | 1.616 | 2.446 | 16.5 | 20.8 | 5 1 | 17 27.34 | -5 13.3 | 2.418 | 3.221 | 12.5 | 20.9 |
| 5 11 | 17 29.44 | -28 5.0 | 1.520 | 2.430 | 13.1 | 20.5 | 5 11 | 17 22.56 | -4 34.4 | 2.336 | 3.219 | 10.2 | 20.7 |
| 5 21 | 17 21.47 | -28 36.6 | 1.446 | 2.414 | 9.1 | 20.2 | 5 21 | 17 16.03 | -4 3.2 | 2.277 | 3.217 | 8.0 | 20.6 |
| 5 31 | 17 10.88 | -29 1.2 | 1.394 | 2.397 | 4.7 | 19.9 | 5 31 | 17 8.27 | -3 42.5 | 2.243 | 3.214 | 6.2 | 20.5 |
| 6 10 | 16 58.85 | -29 15.7 | 1.369 | 2.380 | 3.0 | 19.8 | 6 10 | 16 59.98 | -3 34.6 | 2.237 | 3.211 | 6.1 | 20.5 |
| 6 20 | 16 46.86 | -29 19.2 | 1.369 | 2.362 | 7.0 | 20.0 | 6 20 | 16 51.87 | -3 40.5 | 2.257 | 3.207 | 7.7 | 20.5 |
| 6 30 | 16 36.42 | -29 13.7 | 1.395 | 2.344 | 11.6 | 20.2 | 6 30 | 16 44.69 | -4 0.1 | 2.303 | 3.203 | 10.0 | 20.7 |
| 7 10 | 16 28.75 | -29 3.5 | 1.442 | 2.325 | 15.8 | 20.4 | 7 10 | 16 39.01 | -4 32.0 | 2.372 | 3.198 | 12.3 | 20.8 |
| 277644 | 2006 <i>BQ</i> ₁₁₂ | | 6 7.3 352°88 | 0°8/ 7.1 | 17 | | 443491 | 2014 <i>JW</i> ₂₃ | | 6 7.3 309°39 | 1°4/ 7.0 | | |

EPHEMERIDES

6 7.3

6 7.3

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|-------------|---------|------|---------------|------------------------|-----------------|--------------|-------------|---------|------|
| 303836 | 2005 SZ ₁₅₆ | | 6 7.3 137°28 | 3°3/ 7.9 18 | | | 19172 | 1991 FC ₄ | | 6 7.3 77°97 | 0°1/ 7.3 18 | | |
| 5 1 | 17 29.63 | -31 45.5 | 2.377 | 3.186 | 12.5 | 21.0 | 5 1 | 17 32.86 | -23 40.4 | 1.428 | 2.272 | 17.6 | 18.5 |
| 5 11 | 17 24.73 | -32 18.9 | 2.293 | 3.187 | 10.0 | 20.9 | 5 11 | 17 27.96 | -23 26.5 | 1.368 | 2.287 | 13.6 | 18.3 |
| 5 21 | 17 17.68 | -32 46.2 | 2.232 | 3.189 | 7.1 | 20.7 | 5 21 | 17 20.07 | -23 8.2 | 1.328 | 2.303 | 8.9 | 18.0 |
| 5 31 | 17 9.05 | -33 4.7 | 2.197 | 3.191 | 4.4 | 20.5 | 5 31 | 17 10.11 | -22 45.5 | 1.312 | 2.319 | 3.8 | 17.8 |
| 6 10 | 16 59.69 | -33 13.1 | 2.189 | 3.192 | 3.4 | 20.5 | 6 10 | 16 59.41 | -22 19.5 | 1.321 | 2.335 | 1.4 | 17.6 |
| 6 20 | 16 50.56 | -33 11.2 | 2.208 | 3.193 | 5.4 | 20.6 | 6 20 | 16 49.37 | -21 52.7 | 1.355 | 2.350 | 6.5 | 18.0 |
| 6 30 | 16 42.57 | -33 0.8 | 2.255 | 3.195 | 8.3 | 20.8 | 6 30 | 16 41.24 | -21 28.5 | 1.413 | 2.366 | 11.1 | 18.3 |
| 7 10 | 16 36.45 | -32 45.1 | 2.325 | 3.196 | 11.0 | 20.9 | 7 10 | 16 35.83 | -21 9.9 | 1.493 | 2.381 | 15.1 | 18.6 |
| 96454 | 1998 HR | | 6 7.3 108°39 | 0°3/ 7.3 17 | | | 523175 | 2016 TM ₉₉ | | 6 7.3 254°19 | 4°1/ 8.5 18 | | |
| 5 1 | 17 34.03 | -22 45.9 | 1.606 | 2.440 | 16.4 | 19.5 | 5 1 | 17 30.01 | -35 45.7 | 2.422 | 3.220 | 12.6 | 21.7 |
| 5 11 | 17 28.68 | -23 2.7 | 1.540 | 2.453 | 12.7 | 19.3 | 5 11 | 17 25.12 | -36 3.9 | 2.328 | 3.212 | 10.3 | 21.5 |
| 5 21 | 17 20.50 | -23 18.0 | 1.494 | 2.466 | 8.4 | 19.1 | 5 21 | 17 17.99 | -36 13.0 | 2.257 | 3.204 | 7.6 | 21.3 |
| 5 31 | 17 10.29 | -23 30.2 | 1.472 | 2.479 | 3.6 | 18.9 | 5 31 | 17 9.22 | -36 10.1 | 2.210 | 3.195 | 5.1 | 21.2 |
| 6 10 | 16 59.26 | -23 38.4 | 1.477 | 2.491 | 1.4 | 18.7 | 6 10 | 16 59.71 | -35 54.1 | 2.190 | 3.187 | 4.2 | 21.1 |
| 6 20 | 16 48.71 | -23 43.0 | 1.508 | 2.503 | 6.1 | 19.1 | 6 20 | 16 50.41 | -35 25.6 | 2.198 | 3.178 | 5.8 | 21.2 |
| 6 30 | 16 39.86 | -23 45.8 | 1.564 | 2.514 | 10.5 | 19.3 | 6 30 | 16 42.30 | -34 47.3 | 2.232 | 3.169 | 8.5 | 21.3 |
| 7 10 | 16 33.57 | -23 49.1 | 1.643 | 2.525 | 14.2 | 19.6 | 7 10 | 16 36.13 | -34 3.3 | 2.291 | 3.160 | 11.2 | 21.5 |
| 508156 | 2015 FG ₁₆₁ | | 6 7.3 231°63 | 0°6/ 7.4 17 | | | 219787 | 2002 AB ₈₃ | | 6 7.3 135°74 | 2°6/ 6.6 17 | | |
| 5 1 | 17 30.33 | -23 24.7 | 1.950 | 2.779 | 14.1 | 21.7 | 5 1 | 17 30.48 | -16 18.9 | 2.127 | 2.949 | 13.3 | 21.4 |
| 5 11 | 17 25.58 | -23 45.4 | 1.865 | 2.776 | 11.0 | 21.5 | 5 11 | 17 25.16 | -15 54.9 | 2.055 | 2.961 | 10.4 | 21.2 |
| 5 21 | 17 18.41 | -24 4.8 | 1.801 | 2.773 | 7.3 | 21.2 | 5 21 | 17 17.81 | -15 32.4 | 2.005 | 2.973 | 7.0 | 21.0 |
| 5 31 | 17 9.42 | -24 21.5 | 1.763 | 2.769 | 3.2 | 21.0 | 5 31 | 17 9.07 | -15 12.7 | 1.982 | 2.983 | 3.7 | 20.8 |
| 6 10 | 16 59.57 | -24 34.5 | 1.752 | 2.766 | 1.3 | 20.8 | 6 10 | 16 59.79 | -14 57.1 | 1.986 | 2.994 | 2.9 | 20.8 |
| 6 20 | 16 49.92 | -24 43.6 | 1.768 | 2.763 | 5.4 | 21.1 | 6 20 | 16 50.87 | -14 47.1 | 2.019 | 3.004 | 5.8 | 21.0 |
| 6 30 | 16 41.54 | -24 50.1 | 1.810 | 2.759 | 9.4 | 21.3 | 6 30 | 16 43.15 | -14 43.7 | 2.077 | 3.013 | 9.1 | 21.2 |
| 7 10 | 16 35.26 | -24 55.8 | 1.876 | 2.755 | 12.9 | 21.5 | 7 10 | 16 37.25 | -14 47.4 | 2.160 | 3.022 | 12.1 | 21.4 |
| 237300 | 2008 YA ₃₄ | | 6 7.3 8°92 | 1°4/ 7.7 18 | | | 179337 | 2001 XH ₃₆ | | 6 7.3 179°55 | 3°2/ 8.2 18 | | |
| 5 1 | 17 27.18 | -27 17.7 | 1.711 | 2.550 | 15.3 | 19.5 | 5 1 | 17 30.43 | -33 13.8 | 2.663 | 3.461 | 11.6 | 20.9 |
| 5 11 | 17 23.40 | -27 10.7 | 1.635 | 2.551 | 12.0 | 19.3 | 5 11 | 17 25.12 | -33 36.8 | 2.575 | 3.462 | 9.3 | 20.8 |
| 5 21 | 17 17.03 | -26 56.9 | 1.581 | 2.553 | 8.0 | 19.1 | 5 21 | 17 17.84 | -33 52.7 | 2.510 | 3.462 | 6.7 | 20.6 |
| 5 31 | 17 8.81 | -26 35.5 | 1.550 | 2.555 | 3.8 | 18.8 | 5 31 | 17 9.12 | -33 59.5 | 2.472 | 3.463 | 4.2 | 20.4 |
| 6 10 | 16 59.82 | -26 7.1 | 1.544 | 2.558 | 1.7 | 18.7 | 6 10 | 16 59.77 | -33 56.0 | 2.461 | 3.463 | 3.3 | 20.4 |
| 6 20 | 16 51.22 | -25 33.8 | 1.565 | 2.561 | 5.8 | 19.0 | 6 20 | 16 50.64 | -33 42.6 | 2.479 | 3.462 | 5.0 | 20.5 |
| 6 30 | 16 44.12 | -24 59.1 | 1.611 | 2.565 | 9.9 | 19.2 | 6 30 | 16 42.57 | -33 21.3 | 2.524 | 3.461 | 7.7 | 20.7 |
| 7 10 | 16 39.31 | -24 26.7 | 1.679 | 2.570 | 13.5 | 19.5 | 7 10 | 16 36.22 | -32 55.2 | 2.594 | 3.460 | 10.2 | 20.8 |
| 245173 | 2004 TA ₁₃₅ | | 6 7.3 195°07 | 2°0/ 6.7 18 | | | 19907 | 4220 T ₋₃ | | 6 7.3 184°26 | 6°6/ 8.4 18 | | |
| 5 1 | 17 29.61 | -17 23.0 | 2.409 | 3.227 | 12.1 | 22.1 | 5 1 | 17 35.08 | -43 5.9 | 2.777 | 3.534 | 12.2 | 19.2 |
| 5 11 | 17 24.40 | -17 3.1 | 2.320 | 3.224 | 9.4 | 21.9 | 5 11 | 17 29.12 | -44 13.2 | 2.691 | 3.534 | 10.3 | 19.1 |
| 5 21 | 17 17.30 | -16 43.5 | 2.254 | 3.221 | 6.3 | 21.7 | 5 21 | 17 20.73 | -45 10.3 | 2.628 | 3.534 | 8.5 | 18.9 |
| 5 31 | 17 8.86 | -16 25.4 | 2.215 | 3.217 | 3.2 | 21.5 | 5 31 | 17 10.46 | -45 52.9 | 2.590 | 3.534 | 7.0 | 18.8 |
| 6 10 | 16 59.81 | -16 9.8 | 2.204 | 3.213 | 2.4 | 21.4 | 6 10 | 16 59.25 | -46 17.5 | 2.578 | 3.533 | 6.6 | 18.8 |
| 6 20 | 16 50.97 | -15 57.9 | 2.222 | 3.208 | 5.3 | 21.6 | 6 20 | 16 48.14 | -46 23.5 | 2.594 | 3.532 | 7.4 | 18.8 |
| 6 30 | 16 43.12 | -15 51.1 | 2.267 | 3.202 | 8.5 | 21.8 | 6 30 | 16 38.22 | -46 12.5 | 2.635 | 3.530 | 9.1 | 19.0 |
| 7 10 | 16 36.90 | -15 50.2 | 2.336 | 3.196 | 11.4 | 22.0 | 7 10 | 16 30.33 | -45 48.7 | 2.700 | 3.529 | 10.9 | 19.1 |
| 250394 | 2003 UG ₁₆₄ | | 6 7.3 184°48 | 0°6/ 7.2 17 | | | 115326 | Wehinger | | 6 7.3 224°52 | 1°0/ 7.5 18 | | |
| 5 1 | 17 33.08 | -21 12.9 | 1.942 | 2.766 | 14.4 | 21.6 | 5 1 | 17 30.18 | -25 42.0 | 2.374 | 3.190 | 12.3 | 20.2 |
| 5 11 | 17 27.60 | -21 13.3 | 1.858 | 2.766 | 11.2 | 21.3 | 5 11 | 17 25.10 | -25 49.2 | 2.277 | 3.181 | 9.6 | 20.0 |
| 5 21 | 17 19.67 | -21 12.7 | 1.796 | 2.766 | 7.4 | 21.1 | 5 21 | 17 17.92 | -25 52.8 | 2.204 | 3.171 | 6.4 | 19.8 |
| 5 31 | 17 9.95 | -21 10.6 | 1.759 | 2.765 | 3.2 | 20.9 | 5 31 | 17 9.21 | -25 51.7 | 2.157 | 3.161 | 3.0 | 19.6 |
| 6 10 | 16 59.41 | -21 7.0 | 1.750 | 2.764 | 1.4 | 20.7 | 6 10 | 16 59.75 | -25 45.7 | 2.138 | 3.151 | 1.3 | 19.4 |
| 6 20 | 16 49.14 | -21 2.9 | 1.769 | 2.762 | 5.6 | 21.0 | 6 20 | 16 50.44 | -25 35.2 | 2.147 | 3.140 | 4.8 | 19.7 |
| 6 30 | 16 40.20 | -20 59.8 | 1.814 | 2.759 | 9.6 | 21.2 | 6 30 | 16 42.18 | -25 22.1 | 2.184 | 3.129 | 8.2 | 19.8 |
| 7 10 | 16 33.40 | -20 59.5 | 1.883 | 2.756 | 13.2 | 21.4 | 7 10 | 16 35.68 | -25 8.6 | 2.245 | 3.117 | 11.3 | 20.0 |
| 257252 | 2009 FK ₂₆ | | 6 7.3 340°49 | 0°8/ 7.4 17 | | | 270282 | 2001 VV ₄₇ | | 6 7.3 279°24 | 0°5/ 7.4 18 | | |
| 5 1 | 17 26.38 | -23 25.3 | 1.144 | 2.013 | 19.4 | 20.5 | 5 1 | 17 30.28 | -23 47.0 | 1.757 | 2.592 | 15.2 | 19.5 |
| 5 11 | 17 24.10 | -23 45.0 | 1.070 | 2.003 | 15.2 | 20.2 | 5 11 | 17 26.02 | -23 55.4 | 1.659 | 2.573 | 11.9 | 19.3 |
| 5 21 | 17 18.27 | -24 3.3 | 1.013 | 1.993 | 10.2 | 19.9 | 5 21 | 17 19.00 | -24 1.3 | 1.581 | 2.554 | 8.0 | 19.0 |
| 5 31 | 17 9.60 | -24 18.4 | 0.977 | 1.985 | 4.5 | 19.5 | 5 31 | 17 9.82 | -24 3.6 | 1.528 | 2.535 | 3.5 | 18.7 |
| 6 10 | 16 59.50 | -24 28.8 | 0.963 | 1.977 | 1.8 | 19.3 | 6 10 | 16 59.49 | -24 1.7 | 1.502 | 2.516 | 1.4 | 18.5 |
| 6 20 | 16 49.67 | -24 34.6 | 0.971 | 1.971 | 7.6 | 19.7 | 6 20 | 16 49.22 | -23 56.1 | 1.501 | 2.496 | 6.1 | 18.7 |
| 6 30 | 16 41.80 | -24 37.8 | 1.001 | 1.965 | 13.2 | 19.9 | 6 30 | 16 40.27 | -23 48.7 | 1.526 | 2.477 | 10.6 | 19.0 |
| 7 10 | 16 37.15 | -24 41.6 | 1.050 | 1.961 | 18.1 | 20.2 | 7 10 | 16 33.64 | -23 42.4 | 1.573 | 2.458 | 14.6 | 19.2 |
| 504502 | 2008 LX ₄ | | 6 7.3 335°50 | 0°7/ 7.5 17 | | | 439508 | 2014 BX ₁₃ | | 6 7.3 70°08 | 2°8/ 7.9 17 | | |
| 5 1 | 17 24.72 | -26 20.1 | 1.285 | 2.147 | 18.1 | 20.4 | 5 1 | 17 30.18 | -30 3.6 | 1.976 | 2.798 | 14.3 | 20.8 |
| 5 11 | 17 22.47 | -25 58.9 | 1.202 | 2.131 | 14.2 | 20.1 | 5 11 | 17 25.45 | -30 21.5 | 1.901 | 2.804 | 11.2 | 20.6 |
| 5 21 | 17 16.98 | -25 28.7 | 1.138 | 2.117 | 9.5 | 19.8 | 5 21 | 17 18.28 | -30 32.6 | 1.847 | 2.811 | 7.8 | 20.4 |
| 5 31 | 17 8.98 | -24 49.0 | 1.095 | 2.103 | 4.3 | 19.5 | 5 31 | 17 9.36 | -30 34.7 | 1.818 | 2.818 | 4.3 | 20.2 |
| 6 10 | 16 59.75 | -24 1.4 | 1.076 | 2.090 | 1.6 | 19.3 | 6 10 | 16 59.72 | -30 26.8 | 1.816 | 2.825 | 2.9 | 20.1 |
| 6 20 | 16 50.82 | -23 9.7 | 1.080 | 2.079 | 7.1 | 19.6 | 6 20 | 16 50.44 | -30 9.9 | 1.840 | 2.831 | 5.6 | 20.3 |
| 6 30 | 16 43.68 | -22 19.3 | 1.106 | 2.068 | 12.4 | 19.8 | 6 30 | 16 42.56 | -29 46.7 | 1.891 | 2.838 | 9.1 | 20.6 |
| 7 10 | 16 39.41 | -21 35.6 | 1.152 | 2.059 | 17.1 | 20.1 | 7 10 | 16 36.85 | -29 20.9 | 1.965 | 2.845 | 12.3 | 20.8 |
| 198342 | 2004 UC ₉ | | 6 7.3 306°45 | 1°8/ 6.3 18 | | | 51514 | 2001 FP ₁₀₀ | | 6 7.3 334°33 | 2°7/ 6.9 18 | | |
| 5 1 | 17 32.04 | -25 37.6 | 1.658 | 2.49 | | | | | | | | | |

EPHEMERIDES

6 7.3

6 7.3

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|------------------------------|-----------------|--------------|---------------|---------|------|
| 145350 | 2005 <i>MR</i> ₁₈ | | 6 7.3 251°75 | 1°0/ 7.6 17 | | | 178656 | 2000 <i>QV</i> ₁₈ | | 6 7.3 283°78 | 5°1/ 8.6 18 | | |
| 5 1 | 17 31.42 | -26 39.5 | 1.799 | 2.628 | 15.1 | 20.3 | 5 1 | 17 30.67 | -36 55.7 | 2.185 | 2.985 | 13.8 | 20.3 |
| 5 11 | 17 26.73 | -26 28.0 | 1.706 | 2.617 | 11.9 | 20.1 | 5 11 | 17 26.00 | -37 24.4 | 2.091 | 2.974 | 11.3 | 20.1 |
| 5 21 | 17 19.34 | -26 9.9 | 1.635 | 2.605 | 8.0 | 19.8 | 5 21 | 17 18.80 | -37 43.1 | 2.018 | 2.963 | 8.5 | 19.9 |
| 5 31 | 17 9.91 | -25 44.1 | 1.588 | 2.593 | 3.7 | 19.5 | 5 31 | 17 9.68 | -37 48.1 | 1.970 | 2.952 | 6.0 | 19.7 |
| 6 10 | 16 59.51 | -25 11.0 | 1.567 | 2.581 | 1.5 | 19.3 | 6 10 | 16 59.65 | -37 37.3 | 1.948 | 2.940 | 5.1 | 19.6 |
| 6 20 | 16 49.35 | -24 32.8 | 1.573 | 2.568 | 5.9 | 19.6 | 6 20 | 16 49.82 | -37 11.2 | 1.952 | 2.929 | 6.7 | 19.7 |
| 6 30 | 16 40.61 | -23 53.0 | 1.605 | 2.556 | 10.2 | 19.8 | 6 30 | 16 41.32 | -36 32.7 | 1.982 | 2.918 | 9.5 | 19.8 |
| 7 10 | 16 34.22 | -23 15.8 | 1.660 | 2.542 | 14.1 | 20.0 | 7 10 | 16 35.01 | -35 46.5 | 2.036 | 2.907 | 12.4 | 20.0 |
| 192698 | 1999 <i>TF</i> ₆₀ | | 6 7.3 264°82 | 3°2/ 6.4 17 | | | 216836 | 2006 <i>WW</i> ₅₄ | | 6 7.3 303°40 | 0°2/ 7.4 16 | | |
| 5 1 | 17 27.90 | -16 5.8 | 1.874 | 2.709 | 14.4 | 20.8 | 5 1 | 17 27.32 | -23 58.5 | 2.199 | 3.026 | 12.8 | 21.5 |
| 5 11 | 17 23.63 | -15 31.4 | 1.791 | 2.704 | 11.3 | 20.6 | 5 11 | 17 22.97 | -23 55.2 | 2.113 | 3.023 | 9.9 | 21.3 |
| 5 21 | 17 17.08 | -14 58.0 | 1.729 | 2.699 | 7.7 | 20.4 | 5 21 | 17 16.54 | -23 48.8 | 2.049 | 3.021 | 6.6 | 21.1 |
| 5 31 | 17 8.87 | -14 27.7 | 1.692 | 2.693 | 4.3 | 20.2 | 5 31 | 17 8.63 | -23 39.0 | 2.012 | 3.018 | 2.9 | 20.8 |
| 6 10 | 16 59.91 | -14 2.8 | 1.682 | 2.688 | 3.6 | 20.1 | 6 10 | 17 0.06 | -23 26.2 | 2.001 | 3.016 | 1.0 | 20.7 |
| 6 20 | 16 51.21 | -13 45.3 | 1.698 | 2.683 | 6.7 | 20.3 | 6 20 | 16 51.73 | -23 11.3 | 2.019 | 3.013 | 4.9 | 20.9 |
| 6 30 | 16 43.74 | -13 36.9 | 1.739 | 2.678 | 10.4 | 20.5 | 6 30 | 16 44.50 | -22 56.3 | 2.062 | 3.011 | 8.4 | 21.1 |
| 7 10 | 16 38.25 | -13 38.2 | 1.803 | 2.673 | 13.8 | 20.7 | 7 10 | 16 39.06 | -22 43.1 | 2.130 | 3.008 | 11.6 | 21.3 |
| 17664 | 1996 <i>VP</i> ₃₀ | | 6 7.3 251°18 | 2°5/ 6.4 18 | | | 428516 | 2007 <i>YV</i> ₆₄ | | 6 7.3 211°86 | 1°1/ 7.1 17 | | |
| 5 1 | 17 30.02 | -18 31.5 | 2.150 | 2.974 | 13.2 | 18.4 | 5 1 | 17 33.02 | -20 5.1 | 1.983 | 2.806 | 14.2 | 22.4 |
| 5 11 | 17 25.10 | -17 45.2 | 2.048 | 2.956 | 10.3 | 18.2 | 5 11 | 17 27.60 | -19 59.7 | 1.891 | 2.799 | 11.0 | 22.2 |
| 5 21 | 17 18.00 | -16 56.3 | 1.968 | 2.937 | 7.0 | 17.9 | 5 21 | 17 19.76 | -19 53.6 | 1.821 | 2.791 | 7.3 | 22.0 |
| 5 31 | 17 9.28 | -16 6.6 | 1.914 | 2.917 | 3.6 | 17.7 | 5 31 | 17 10.08 | -19 47.1 | 1.776 | 2.782 | 3.3 | 21.7 |
| 6 10 | 16 59.76 | -15 18.5 | 1.888 | 2.897 | 2.9 | 17.6 | 6 10 | 16 59.52 | -19 40.3 | 1.759 | 2.773 | 1.7 | 21.6 |
| 6 20 | 16 50.38 | -14 35.0 | 1.891 | 2.876 | 6.1 | 17.8 | 6 20 | 16 49.14 | -19 34.3 | 1.771 | 2.762 | 5.7 | 21.8 |
| 6 30 | 16 42.06 | -13 59.0 | 1.920 | 2.854 | 9.8 | 17.9 | 6 30 | 16 40.00 | -19 30.7 | 1.808 | 2.751 | 9.8 | 22.0 |
| 7 10 | 16 35.57 | -13 32.6 | 1.972 | 2.832 | 13.2 | 18.1 | 7 10 | 16 32.94 | -19 31.1 | 1.870 | 2.740 | 13.3 | 22.2 |
| 201197 | 2002 <i>PF</i> ₁₁₁ | | 6 7.3 200°72 | 0°0/ 7.1 18 | | | 479922 | 2014 <i>HV</i> ₉₇ | | 6 7.3 180°43 | 4°5/ 5.8 16 | | |
| 5 1 | 17 25.72 | -24 22.4 | 2.885 | 3.702 | 10.4 | 20.0 | 5 1 | 17 25.90 | -9 7.1 | 2.648 | 3.459 | 11.3 | 22.6 |
| 5 11 | 17 21.17 | -24 1.2 | 2.795 | 3.700 | 8.0 | 19.8 | 5 11 | 17 21.34 | -8 28.7 | 2.566 | 3.459 | 9.1 | 22.5 |
| 5 21 | 17 15.08 | -23 36.3 | 2.729 | 3.698 | 5.3 | 19.7 | 5 21 | 17 15.21 | -7 55.0 | 2.508 | 3.460 | 6.7 | 22.3 |
| 5 31 | 17 7.91 | -23 8.2 | 2.690 | 3.696 | 2.3 | 19.4 | 5 31 | 17 8.00 | -7 28.3 | 2.477 | 3.460 | 4.9 | 22.2 |
| 6 10 | 17 0.30 | -22 37.6 | 2.680 | 3.694 | 0.8 | 19.3 | 6 10 | 17 0.33 | -7 10.5 | 2.473 | 3.460 | 4.7 | 22.2 |
| 6 20 | 16 52.90 | -22 6.0 | 2.699 | 3.692 | 3.9 | 19.6 | 6 20 | 16 52.86 | -7 2.9 | 2.496 | 3.459 | 6.4 | 22.3 |
| 6 30 | 16 46.34 | -21 35.3 | 2.746 | 3.689 | 6.8 | 19.7 | 6 30 | 16 46.22 | -7 5.8 | 2.547 | 3.458 | 8.7 | 22.4 |
| 7 10 | 16 41.15 | -21 7.5 | 2.818 | 3.687 | 9.4 | 19.9 | 7 10 | 16 40.95 | -7 19.0 | 2.621 | 3.457 | 11.0 | 22.6 |
| 215834 | 2005 <i>CL</i> ₁₁ | | 6 7.3 160°09 | 1°0/ 7.1 17 | | | 2761 | Eddington | | 6 7.3 106°30 | 1°0/ 7.6 18 | | |
| 5 1 | 17 33.58 | -20 24.7 | 1.839 | 2.665 | 15.0 | 21.4 | 5 1 | 17 29.33 | -25 57.9 | 2.463 | 3.278 | 12.0 | 17.5 |
| 5 11 | 17 28.04 | -20 20.5 | 1.762 | 2.672 | 11.6 | 21.2 | 5 11 | 17 24.17 | -26 5.0 | 2.391 | 3.294 | 9.2 | 17.3 |
| 5 21 | 17 19.98 | -20 15.7 | 1.706 | 2.677 | 7.7 | 20.9 | 5 21 | 17 17.14 | -26 8.5 | 2.342 | 3.309 | 6.1 | 17.1 |
| 5 31 | 17 10.12 | -20 10.1 | 1.676 | 2.682 | 3.4 | 20.7 | 5 31 | 17 8.83 | -26 7.3 | 2.319 | 3.324 | 2.8 | 16.9 |
| 6 10 | 16 59.48 | -20 4.0 | 1.673 | 2.687 | 1.7 | 20.6 | 6 10 | 17 0.04 | -26 1.5 | 2.325 | 3.338 | 1.3 | 16.8 |
| 6 20 | 16 49.20 | -19 58.6 | 1.698 | 2.690 | 5.9 | 20.9 | 6 20 | 16 51.56 | -25 51.7 | 2.360 | 3.353 | 4.4 | 17.1 |
| 6 30 | 16 40.35 | -19 55.4 | 1.749 | 2.693 | 9.9 | 21.1 | 6 30 | 16 44.18 | -25 39.6 | 2.422 | 3.367 | 7.5 | 17.3 |
| 7 10 | 16 33.74 | -19 56.2 | 1.823 | 2.696 | 13.5 | 21.3 | 7 10 | 16 38.49 | -25 27.4 | 2.508 | 3.381 | 10.3 | 17.5 |
| 164739 | 1998 <i>SF</i> ₁₀₃ | | 6 7.3 239°59 | 6°6/ 5.0 18 | | | 348274 | 2004 <i>VC</i> ₁₉ | | 6 7.3 228°39 | 0°9/ 7.5 18 | | |
| 5 1 | 17 27.03 | -5 0.4 | 2.296 | 3.103 | 13.0 | 20.8 | 5 1 | 17 31.53 | -24 35.5 | 2.284 | 3.100 | 12.7 | 21.7 |
| 5 11 | 17 22.52 | -4 4.2 | 2.207 | 3.091 | 10.7 | 20.6 | 5 11 | 17 26.29 | -24 52.2 | 2.185 | 3.089 | 9.9 | 21.5 |
| 5 21 | 17 16.16 | -3 14.8 | 2.141 | 3.079 | 8.5 | 20.5 | 5 21 | 17 18.83 | -25 6.7 | 2.110 | 3.078 | 6.7 | 21.3 |
| 5 31 | 17 8.44 | -2 36.2 | 2.099 | 3.067 | 6.9 | 20.4 | 5 31 | 17 9.68 | -25 17.6 | 2.060 | 3.066 | 3.0 | 21.0 |
| 6 10 | 17 0.10 | -2 11.5 | 2.084 | 3.054 | 6.9 | 20.3 | 6 10 | 16 59.69 | -25 24.0 | 2.039 | 3.053 | 1.3 | 20.9 |
| 6 20 | 16 51.89 | -2 2.6 | 2.096 | 3.040 | 8.5 | 20.4 | 6 20 | 16 49.80 | -25 26.1 | 2.046 | 3.040 | 5.0 | 21.1 |
| 6 30 | 16 44.61 | -2 10.1 | 2.132 | 3.026 | 10.9 | 20.5 | 6 30 | 16 40.98 | -25 25.0 | 2.081 | 3.026 | 8.6 | 21.3 |
| 7 10 | 16 38.88 | -2 32.7 | 2.190 | 3.012 | 13.4 | 20.7 | 7 10 | 16 34.00 | -25 22.9 | 2.140 | 3.011 | 11.8 | 21.5 |
| 388586 | 2007 <i>RU</i> ₁₁₅ | | 6 7.3 228°08 | 0°0/ 7.1 18 | | | 482112 | 2010 <i>NN</i> ₁₇ | | 6 7.3 244°45 | 5°1/ 8.6 18 | | |
| 5 1 | 17 28.95 | -23 38.4 | 2.221 | 3.044 | 12.8 | 21.9 | 5 1 | 17 32.19 | -40 19.3 | 3.022 | 3.789 | 11.1 | 22.2 |
| 5 11 | 17 24.20 | -23 27.9 | 2.129 | 3.038 | 9.9 | 21.7 | 5 11 | 17 26.63 | -40 57.3 | 2.915 | 3.772 | 9.2 | 22.0 |
| 5 21 | 17 17.35 | -23 14.0 | 2.061 | 3.031 | 6.6 | 21.5 | 5 21 | 17 18.97 | -41 26.4 | 2.831 | 3.754 | 7.3 | 21.9 |
| 5 31 | 17 8.98 | -22 56.5 | 2.018 | 3.024 | 2.9 | 21.2 | 5 31 | 17 9.73 | -41 43.5 | 2.773 | 3.736 | 5.7 | 21.7 |
| 6 10 | 16 59.90 | -22 36.2 | 2.003 | 3.017 | 1.1 | 21.1 | 6 10 | 16 59.68 | -41 46.3 | 2.743 | 3.718 | 5.1 | 21.7 |
| 6 20 | 16 51.04 | -22 14.3 | 2.016 | 3.010 | 4.9 | 21.3 | 6 20 | 16 49.69 | -41 34.7 | 2.740 | 3.699 | 6.1 | 21.7 |
| 6 30 | 16 43.29 | -21 52.9 | 2.056 | 3.002 | 8.6 | 21.5 | 6 30 | 16 40.67 | -41 10.2 | 2.765 | 3.679 | 8.0 | 21.8 |
| 7 10 | 16 37.35 | -21 34.5 | 2.120 | 2.994 | 11.8 | 21.7 | 7 10 | 16 33.36 | -40 36.2 | 2.814 | 3.659 | 10.1 | 21.9 |
| 499509 | 2010 <i>OX</i> ₃₉ | | 6 7.3 251°28 | 4°7/ 8.2 17 | | | 915 | Cosette | | 6 7.3 214°95 | 3°5/ 7.9 18 A | | |
| 5 1 | 17 35.88 | -34 20.8 | 1.891 | 2.697 | 15.4 | 22.4 | 5 1 | 17 35.86 | -30 25.2 | 1.694 | 2.515 | 16.3 | 15.6 |
| 5 11 | 17 30.53 | -34 48.9 | 1.788 | 2.678 | 12.5 | 22.1 | 5 11 | 17 30.54 | -30 54.6 | 1.607 | 2.509 | 13.0 | 15.4 |
| 5 21 | 17 22.10 | -35 7.8 | 1.705 | 2.658 | 9.2 | 21.9 | 5 21 | 17 22.09 | -31 17.1 | 1.540 | 2.502 | 9.1 | 15.1 |
| 5 31 | 17 11.23 | -35 12.9 | 1.647 | 2.637 | 6.0 | 21.7 | 5 31 | 17 11.21 | -31 28.9 | 1.497 | 2.495 | 5.2 | 14.9 |
| 6 10 | 16 59.04 | -35 1.3 | 1.615 | 2.616 | 4.8 | 21.5 | 6 10 | 16 59.13 | -31 27.2 | 1.480 | 2.488 | 3.7 | 14.8 |
| 6 20 | 16 46.93 | -34 32.9 | 1.610 | 2.594 | 7.2 | 21.6 | 6 20 | 16 47.28 | -31 12.4 | 1.489 | 2.479 | 6.8 | 14.9 |
| 6 30 | 16 36.33 | -33 51.2 | 1.630 | 2.571 | 10.8 | 21.8 | 6 30 | 16 37.11 | -30 47.6 | 1.524 | 2.471 | 11.0 | 15.2 |
| 7 10 | 16 28.33 | -33 2.1 | 1.674 | 2.547 | 14.5 | 22.0 | 7 10 | 16 29.67 | -30 18.1 | 1.581 | 2.461 | 14.8 | 15.4 |
| 249624 | 1999 <i>TF</i> ₄₇ | | 6 7.3 325°51 | 5°1/ 5.7 16 | | | 393033 | 2013 <i>AM</i> ₈ | | 6 7.3 297°99 | 7°2/ 6.1 18 | | |
| | | | | | | | | | | | | | |

EPHEMERIDES

6 7.3

6 7.3

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|----------|---------|------|---------------|------------------------|-----------------|--------------|----------|---------|------|
| 472041 | 2013 YQ ₃₉ | | 6 7.3 92°11 | 2.1/ 6.9 | 17 | | 368284 | 2002 NH ₃₁ | | 6 7.3 295°20 | 0.6/ 7.5 | 18 | |
| 5 1 | 17 28.32 | -17 28.1 | 1.972 | 2.804 | 13.9 | 21.4 | 5 1 | 17 31.22 | -26 46.8 | 1.535 | 2.374 | 16.8 | 20.7 |
| 5 11 | 17 23.82 | -17 17.6 | 1.895 | 2.808 | 10.8 | 21.2 | 5 11 | 17 27.40 | -26 18.7 | 1.424 | 2.341 | 13.3 | 20.4 |
| 5 21 | 17 17.14 | -17 8.6 | 1.840 | 2.811 | 7.2 | 21.0 | 5 21 | 17 20.35 | -25 40.3 | 1.333 | 2.306 | 9.1 | 20.0 |
| 5 31 | 17 8.91 | -17 1.9 | 1.811 | 2.815 | 3.6 | 20.8 | 5 31 | 17 10.63 | -24 50.4 | 1.265 | 2.272 | 4.1 | 19.7 |
| 6 10 | 17 0.01 | -16 58.3 | 1.808 | 2.819 | 2.4 | 20.7 | 6 10 | 16 59.38 | -23 49.8 | 1.223 | 2.237 | 1.5 | 19.4 |
| 6 20 | 16 51.41 | -16 58.8 | 1.832 | 2.822 | 5.8 | 20.9 | 6 20 | 16 48.06 | -22 42.0 | 1.205 | 2.202 | 7.0 | 19.6 |
| 6 30 | 16 44.01 | -17 4.2 | 1.882 | 2.826 | 9.4 | 21.2 | 6 30 | 16 38.21 | -21 33.1 | 1.213 | 2.167 | 12.5 | 19.8 |
| 7 10 | 16 38.53 | -17 15.1 | 1.956 | 2.829 | 12.7 | 21.4 | 7 10 | 16 31.10 | -20 29.6 | 1.241 | 2.131 | 17.4 | 20.0 |
| 371700 | 2007 EZ ₄ | | 6 7.3 105°50 | 4.4/ 6.4 | 17 | | 368156 | 1998 OL ₃ | | 6 7.3 274°24 | 1°5/ 7.7 | 17 | |
| 5 1 | 17 30.92 | -12 0.6 | 1.907 | 2.731 | 14.6 | 21.9 | 5 1 | 17 31.33 | -27 55.9 | 1.614 | 2.449 | 16.3 | 20.9 |
| 5 11 | 17 25.62 | -11 26.3 | 1.846 | 2.750 | 11.5 | 21.7 | 5 11 | 17 27.04 | -27 42.7 | 1.524 | 2.437 | 12.9 | 20.6 |
| 5 21 | 17 18.17 | -10 56.8 | 1.807 | 2.768 | 8.1 | 21.6 | 5 21 | 17 19.77 | -27 20.9 | 1.453 | 2.424 | 8.7 | 20.3 |
| 5 31 | 17 9.29 | -10 34.8 | 1.792 | 2.786 | 5.2 | 21.4 | 5 31 | 17 10.23 | -26 49.2 | 1.406 | 2.412 | 4.2 | 20.0 |
| 6 10 | 16 59.90 | -10 22.2 | 1.805 | 2.803 | 4.7 | 21.4 | 6 10 | 16 59.60 | -26 8.0 | 1.385 | 2.399 | 1.9 | 19.8 |
| 6 20 | 16 50.97 | -10 20.0 | 1.844 | 2.820 | 7.1 | 21.6 | 6 20 | 16 49.23 | -25 19.8 | 1.390 | 2.386 | 6.4 | 20.1 |
| 6 30 | 16 43.36 | -10 28.7 | 1.910 | 2.837 | 10.3 | 21.8 | 6 30 | 16 40.46 | -24 29.4 | 1.419 | 2.373 | 11.0 | 20.3 |
| 7 10 | 16 37.72 | -10 47.4 | 1.997 | 2.853 | 13.2 | 22.0 | 7 10 | 16 34.30 | -23 42.0 | 1.471 | 2.360 | 15.2 | 20.5 |
| 3967 | Shekhtelia | | 6 7.3 138°38 | 3°3/ 6.9 | 18 | | 114769 | 2003 JM ₁₃ | | 6 7.3 332°82 | 3°9/ 6.6 | 18 | |
| 5 1 | 17 27.24 | -11 6.5 | 2.551 | 3.364 | 11.7 | 16.7 | 5 1 | 17 23.30 | -16 1.9 | 1.302 | 2.167 | 17.7 | 19.1 |
| 5 11 | 17 22.48 | -11 10.7 | 2.469 | 3.367 | 9.2 | 16.5 | 5 11 | 17 21.24 | -15 35.2 | 1.216 | 2.146 | 14.0 | 18.8 |
| 5 21 | 17 16.03 | -11 20.6 | 2.411 | 3.370 | 6.5 | 16.3 | 5 21 | 17 16.19 | -15 10.8 | 1.150 | 2.127 | 9.7 | 18.5 |
| 5 31 | 17 8.40 | -11 36.9 | 2.379 | 3.373 | 4.0 | 16.2 | 5 31 | 17 8.77 | -14 51.5 | 1.104 | 2.108 | 5.3 | 18.2 |
| 6 10 | 17 0.23 | -12 0.0 | 2.375 | 3.376 | 3.4 | 16.2 | 6 10 | 17 0.11 | -14 40.2 | 1.082 | 2.091 | 4.3 | 18.1 |
| 6 20 | 16 52.25 | -12 29.6 | 2.400 | 3.379 | 5.5 | 16.3 | 6 20 | 16 51.56 | -14 39.1 | 1.082 | 2.075 | 8.4 | 18.2 |
| 6 30 | 16 45.15 | -13 5.3 | 2.452 | 3.382 | 8.2 | 16.5 | 6 30 | 16 44.54 | -14 49.8 | 1.105 | 2.060 | 13.3 | 18.5 |
| 7 10 | 16 39.50 | -13 46.1 | 2.528 | 3.384 | 10.8 | 16.6 | 7 10 | 16 40.15 | -15 12.4 | 1.146 | 2.046 | 17.7 | 18.7 |
| 38397 | 1999 RY ₁₉₃ | | 6 7.3 269°30 | 0°6/ 7.5 | 18 | | 163803 | 2003 QO ₇₉ | | 6 7.3 208°82 | 1°7/ 7.6 | 18 | |
| 5 1 | 17 27.41 | -25 38.2 | 2.414 | 3.235 | 12.0 | 18.8 | 5 1 | 17 31.97 | -27 12.9 | 2.636 | 3.441 | 11.5 | 20.4 |
| 5 11 | 17 22.96 | -25 29.3 | 2.315 | 3.221 | 9.4 | 18.6 | 5 11 | 17 26.37 | -27 41.6 | 2.538 | 3.434 | 9.0 | 20.2 |
| 5 21 | 17 16.54 | -25 15.9 | 2.238 | 3.208 | 6.2 | 18.4 | 5 21 | 17 18.77 | -28 7.1 | 2.464 | 3.427 | 6.2 | 20.0 |
| 5 31 | 17 8.67 | -24 57.7 | 2.188 | 3.194 | 2.8 | 18.1 | 5 31 | 17 9.67 | -28 27.7 | 2.417 | 3.419 | 3.2 | 19.8 |
| 6 10 | 17 0.12 | -24 35.1 | 2.166 | 3.180 | 1.1 | 18.0 | 6 10 | 16 59.82 | -28 42.1 | 2.400 | 3.410 | 1.9 | 19.7 |
| 6 20 | 16 51.72 | -24 9.3 | 2.172 | 3.166 | 4.6 | 18.2 | 6 20 | 16 50.07 | -28 49.9 | 2.411 | 3.401 | 4.6 | 19.9 |
| 6 30 | 16 44.32 | -23 42.5 | 2.205 | 3.152 | 8.0 | 18.4 | 6 30 | 16 41.27 | -28 52.2 | 2.451 | 3.391 | 7.7 | 20.0 |
| 7 10 | 16 38.58 | -23 17.3 | 2.262 | 3.138 | 11.1 | 18.5 | 7 10 | 16 34.12 | -28 51.1 | 2.516 | 3.381 | 10.5 | 20.2 |
| 56805 | 2000 PR ₁₂ | | 6 7.3 16°81 | 4°4/ 8.7 | 18 | | 61579 | 2000 QZ ₈₁ | | 6 7.3 310°42 | 1°2/ 7.6 | 18 | |
| 5 1 | 17 29.49 | -35 18.2 | 1.884 | 2.699 | 15.1 | 18.7 | 5 1 | 17 28.70 | -26 2.6 | 1.577 | 2.420 | 16.3 | 19.0 |
| 5 11 | 17 25.19 | -35 28.1 | 1.807 | 2.702 | 12.2 | 18.5 | 5 11 | 17 25.06 | -26 3.8 | 1.489 | 2.407 | 12.8 | 18.7 |
| 5 21 | 17 18.26 | -35 26.2 | 1.751 | 2.705 | 8.9 | 18.3 | 5 21 | 17 18.51 | -25 59.6 | 1.420 | 2.394 | 8.6 | 18.4 |
| 5 31 | 17 9.44 | -35 9.9 | 1.718 | 2.709 | 5.8 | 18.1 | 5 31 | 17 9.71 | -25 48.6 | 1.375 | 2.381 | 4.0 | 18.1 |
| 6 10 | 16 59.87 | -34 38.5 | 1.712 | 2.713 | 4.5 | 18.0 | 6 10 | 16 59.80 | -25 30.7 | 1.355 | 2.369 | 1.7 | 17.9 |
| 6 20 | 16 50.73 | -33 53.8 | 1.731 | 2.717 | 6.5 | 18.2 | 6 20 | 16 50.09 | -25 7.1 | 1.361 | 2.357 | 6.4 | 18.2 |
| 6 30 | 16 43.15 | -33 0.1 | 1.776 | 2.722 | 9.7 | 18.4 | 6 30 | 16 41.92 | -24 41.3 | 1.390 | 2.346 | 11.0 | 18.5 |
| 7 10 | 16 37.92 | -32 3.0 | 1.843 | 2.727 | 12.9 | 18.6 | 7 10 | 16 36.28 | -24 17.0 | 1.441 | 2.335 | 15.2 | 18.7 |
| 20446 | 1999 JB ₈₀ | | 6 7.3 294°63 | 1°6/ 7.5 | 18 | | 69105 | 2003 BR ₈₈ | | 6 7.3 349°64 | 0°9/ 7.4 | 18 | |
| 5 1 | 17 37.38 | -14 22.8 | 1.516 | 2.345 | 17.5 | 17.6 | 5 1 | 17 28.91 | -23 25.4 | 2.028 | 2.857 | 13.7 | 18.7 |
| 5 11 | 17 32.53 | -15 20.4 | 1.397 | 2.307 | 14.0 | 17.2 | 5 11 | 17 24.48 | -23 58.4 | 1.944 | 2.855 | 10.6 | 18.5 |
| 5 21 | 17 24.13 | -16 33.1 | 1.299 | 2.268 | 9.7 | 16.9 | 5 21 | 17 17.74 | -24 31.0 | 1.883 | 2.854 | 7.1 | 18.3 |
| 5 31 | 17 12.49 | -18 0.3 | 1.224 | 2.229 | 4.6 | 16.5 | 5 31 | 17 9.28 | -25 1.3 | 1.846 | 2.852 | 3.2 | 18.0 |
| 6 10 | 16 58.56 | -19 38.8 | 1.177 | 2.190 | 2.2 | 16.2 | 6 10 | 16 59.99 | -25 27.8 | 1.837 | 2.851 | 1.4 | 17.9 |
| 6 20 | 16 43.81 | -21 23.3 | 1.156 | 2.150 | 7.7 | 16.4 | 6 20 | 16 50.87 | -25 49.9 | 1.856 | 2.850 | 5.2 | 18.1 |
| 6 30 | 16 30.05 | -23 8.4 | 1.162 | 2.110 | 13.5 | 16.6 | 6 30 | 16 42.94 | -26 8.1 | 1.900 | 2.849 | 9.0 | 18.4 |
| 7 10 | 16 18.95 | -24 50.8 | 1.191 | 2.069 | 18.8 | 16.8 | 7 10 | 16 36.98 | -26 23.9 | 1.968 | 2.849 | 12.3 | 18.6 |
| 490708 | 2010 QZ ₂ | | 6 7.3 299°10 | 3°9/ 6.3 | 18 | | 278652 | 2008 RV ₄₂ | | 6 7.3 282°48 | 2°2/ 6.9 | 15 | |
| 5 1 | 17 25.56 | -13 19.9 | 2.101 | 2.931 | 13.2 | 21.0 | 5 1 | 17 28.63 | -18 18.3 | 1.817 | 2.653 | 14.7 | 21.0 |
| 5 11 | 17 21.73 | -12 48.9 | 2.003 | 2.912 | 10.5 | 20.8 | 5 11 | 17 24.54 | -18 0.3 | 1.720 | 2.635 | 11.5 | 20.8 |
| 5 21 | 17 15.84 | -12 20.7 | 1.928 | 2.893 | 7.4 | 20.6 | 5 21 | 17 17.94 | -17 42.4 | 1.644 | 2.616 | 7.8 | 20.5 |
| 5 31 | 17 8.42 | -11 57.5 | 1.878 | 2.874 | 4.6 | 20.4 | 5 31 | 17 9.42 | -17 25.7 | 1.593 | 2.598 | 3.8 | 20.2 |
| 6 10 | 17 0.22 | -11 41.6 | 1.854 | 2.855 | 4.2 | 20.3 | 6 10 | 16 59.92 | -17 11.4 | 1.568 | 2.579 | 2.6 | 20.1 |
| 6 20 | 16 52.11 | -11 34.5 | 1.857 | 2.836 | 6.7 | 20.4 | 6 20 | 16 50.50 | -17 1.2 | 1.569 | 2.560 | 6.4 | 20.3 |
| 6 30 | 16 44.99 | -11 37.4 | 1.885 | 2.818 | 10.1 | 20.6 | 6 30 | 16 42.28 | -16 56.9 | 1.596 | 2.541 | 10.6 | 20.5 |
| 7 10 | 16 39.57 | -11 50.4 | 1.936 | 2.799 | 13.2 | 20.7 | 7 10 | 16 36.17 | -16 59.7 | 1.645 | 2.523 | 14.5 | 20.7 |
| 321173 | 2008 VU ₇₅ | | 6 7.3 168°84 | 6°1/ 5.8 | 18 | | 337178 | 1999 VL ₈₀ | | 6 7.3 250°16 | 2°9/ 6.3 | 18 | |
| 5 1 | 17 27.99 | - 4 47.4 | 2.351 | 3.154 | 12.8 | 21.2 | 5 1 | 17 29.63 | -15 42.7 | 2.504 | 3.319 | 11.8 | 22.3 |
| 5 11 | 17 23.11 | - 4 9.1 | 2.275 | 3.157 | 10.5 | 21.0 | 5 11 | 17 24.55 | -15 5.4 | 2.394 | 3.296 | 9.3 | 22.1 |
| 5 21 | 17 16.47 | - 3 39.2 | 2.221 | 3.160 | 8.2 | 20.9 | 5 21 | 17 17.57 | -14 28.0 | 2.308 | 3.272 | 6.4 | 21.9 |
| 5 31 | 17 8.59 | - 3 20.5 | 2.193 | 3.162 | 6.5 | 20.8 | 5 31 | 17 9.16 | -13 52.1 | 2.249 | 3.248 | 3.7 | 21.7 |
| 6 10 | 17 0.19 | - 3 15.3 | 2.191 | 3.164 | 6.3 | 20.8 | 6 10 | 17 0.03 | -13 19.8 | 2.218 | 3.222 | 3.2 | 21.6 |
| 6 20 | 16 52.03 | - 3 24.3 | 2.217 | 3.166 | 7.8 | 20.9 | 6 20 | 16 50.95 | -12 52.9 | 2.216 | 3.196 | 5.8 | 21.7 |
| 6 30 | 16 44.83 | - 3 47.3 | 2.267 | 3.167 | 10.1 | 21.0 | 6 30 | 16 42.73 | -12 33.5 | 2.242 | 3.170 | 9.0 | 21.9 |
| 7 10 | 16 39.18 | - 4 22.6 | 2.341 | 3.168 | 12.5 | 21.2 | 7 10 | 16 36.04 | -12 22.5 | 2.292 | 3.142 | 11.9 | 22.0 |
| 435834 | 2008 WL ₈₁ | | 6 7.3 123°61 | 2°2/ 6.7 | 17 | | 236659 | 2006 KZ ₁₁₆ | | 6 7.3 116°55 | 2°3/ 6.8 | 17 | |
| 5 1 | 17 28.56 | -17 46.8 | 2.065 | 2 | | | | | | | | | |

EPHEMERIDES

6 7.3

6 7.4

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|----------|---------|------|---------------|------------------------|-----------------|--------------|----------|---------|------|
| 190636 | 2000 WE ₁₅₁ | | 6 7.3 289°62 | 4.5/ 6.9 | 18 | | 220968 | 2005 MT ₃₉ | | 6 7.4 299°23 | 3.8/ 6.7 | 17 | |
| 5 1 | 17 30.96 | -10 52.2 | 1.843 | 2.667 | 15.0 | 19.9 | 5 1 | 17 28.19 | -15 7.2 | 1.514 | 2.360 | 16.6 | 20.6 |
| 5 11 | 17 26.48 | -10 49.9 | 1.730 | 2.634 | 12.1 | 19.6 | 5 11 | 17 24.73 | -14 45.6 | 1.418 | 2.337 | 13.2 | 20.3 |
| 5 21 | 17 19.39 | -10 55.5 | 1.638 | 2.600 | 8.7 | 19.3 | 5 21 | 17 18.39 | -14 27.2 | 1.342 | 2.314 | 9.2 | 20.0 |
| 5 31 | 17 10.15 | -11 11.2 | 1.571 | 2.567 | 5.5 | 19.1 | 5 31 | 17 9.75 | -14 14.2 | 1.290 | 2.292 | 5.2 | 19.7 |
| 6 10 | 16 59.62 | -11 38.2 | 1.530 | 2.532 | 4.7 | 18.9 | 6 10 | 16 59.84 | -14 8.8 | 1.261 | 2.269 | 4.2 | 19.6 |
| 6 20 | 16 48.88 | -12 16.6 | 1.516 | 2.498 | 7.7 | 19.0 | 6 20 | 16 49.94 | -14 12.7 | 1.258 | 2.247 | 8.0 | 19.7 |
| 6 30 | 16 39.13 | -13 5.8 | 1.527 | 2.463 | 11.8 | 19.2 | 6 30 | 16 41.38 | -14 27.0 | 1.278 | 2.225 | 12.6 | 19.9 |
| 7 10 | 16 31.41 | -14 4.3 | 1.561 | 2.427 | 15.7 | 19.3 | 7 10 | 16 35.27 | -14 52.0 | 1.318 | 2.203 | 16.9 | 20.1 |
| 294150 | 2007 TY ₃₂₇ | | 6 7.3 195°77 | 2.7/ 8.0 | 18 | | 504050 | 2005 WC ₉₆ | | 6 7.4 258°55 | 0.4/ 7.2 | 17 | |
| 5 1 | 17 30.47 | -30 31.5 | 2.188 | 3.002 | 13.3 | 20.7 | 5 1 | 17 30.72 | -22 14.8 | 1.933 | 2.762 | 14.2 | 22.3 |
| 5 11 | 17 25.58 | -30 48.2 | 2.102 | 3.001 | 10.5 | 20.5 | 5 11 | 17 26.07 | -22 7.2 | 1.834 | 2.745 | 11.1 | 22.1 |
| 5 21 | 17 18.39 | -30 58.2 | 2.039 | 3.000 | 7.3 | 20.3 | 5 21 | 17 18.93 | -21 57.1 | 1.756 | 2.728 | 7.4 | 21.8 |
| 5 31 | 17 9.53 | -30 59.5 | 2.001 | 2.999 | 4.1 | 20.1 | 5 31 | 17 9.87 | -21 44.5 | 1.703 | 2.710 | 3.2 | 21.5 |
| 6 10 | 16 59.92 | -30 51.1 | 1.990 | 2.998 | 2.8 | 20.0 | 6 10 | 16 59.83 | -21 29.5 | 1.678 | 2.692 | 1.3 | 21.4 |
| 6 20 | 16 50.57 | -30 33.7 | 2.006 | 2.996 | 5.4 | 20.1 | 6 20 | 16 49.88 | -21 13.6 | 1.679 | 2.673 | 5.7 | 21.6 |
| 6 30 | 16 42.46 | -30 9.8 | 2.050 | 2.995 | 8.7 | 20.3 | 6 30 | 16 41.15 | -20 58.9 | 1.707 | 2.655 | 9.9 | 21.8 |
| 7 10 | 16 36.35 | -29 42.9 | 2.117 | 2.993 | 11.7 | 20.5 | 7 10 | 16 34.50 | -20 47.7 | 1.758 | 2.635 | 13.7 | 22.0 |
| 479142 | 2013 BY ₅₈ | | 6 7.3 243°08 | 0.5/ 7.5 | 18 | | 414051 | 2007 RC ₂₁₃ | | 6 7.4 236°19 | 4.6/ 8.2 | 17 | |
| 5 1 | 17 29.35 | -24 44.4 | 2.539 | 3.354 | 11.7 | 22.5 | 5 1 | 17 35.33 | -33 3.9 | 1.624 | 2.445 | 16.9 | 21.4 |
| 5 11 | 17 24.39 | -24 42.4 | 2.435 | 3.338 | 9.1 | 22.3 | 5 11 | 17 30.41 | -33 32.7 | 1.537 | 2.436 | 13.6 | 21.2 |
| 5 21 | 17 17.49 | -24 37.1 | 2.354 | 3.322 | 6.1 | 22.0 | 5 21 | 17 22.18 | -33 52.1 | 1.469 | 2.428 | 9.9 | 20.9 |
| 5 31 | 17 9.13 | -24 27.9 | 2.300 | 3.305 | 2.7 | 21.8 | 5 31 | 17 11.38 | -33 57.4 | 1.424 | 2.418 | 6.1 | 20.7 |
| 6 10 | 17 0.06 | -24 14.7 | 2.274 | 3.288 | 1.0 | 21.6 | 6 10 | 16 59.29 | -33 45.8 | 1.405 | 2.409 | 4.7 | 20.6 |
| 6 20 | 16 51.09 | -23 58.6 | 2.277 | 3.270 | 4.5 | 21.9 | 6 20 | 16 47.47 | -33 17.7 | 1.411 | 2.399 | 7.4 | 20.7 |
| 6 30 | 16 43.06 | -23 41.1 | 2.308 | 3.252 | 7.9 | 22.0 | 6 30 | 16 37.43 | -32 37.4 | 1.442 | 2.389 | 11.5 | 20.9 |
| 7 10 | 16 36.63 | -23 24.5 | 2.364 | 3.234 | 10.9 | 22.2 | 7 10 | 16 30.29 | -31 51.2 | 1.495 | 2.378 | 15.3 | 21.1 |
| 262618 | 2006 VO ₁₇₁ | | 6 7.3 98°84 | 1°1/ 7.5 | 17 | | 216138 | 2006 SJ ₁₁₂ | | 6 7.4 341°32 | 3°9/ 6.5 | 17 | |
| 5 1 | 17 33.14 | -25 10.6 | 1.672 | 2.504 | 16.0 | 22.0 | 5 1 | 17 23.68 | -17 38.7 | 1.119 | 1.994 | 19.3 | 19.9 |
| 5 11 | 17 28.00 | -25 22.4 | 1.604 | 2.516 | 12.4 | 21.8 | 5 11 | 17 21.88 | -16 57.6 | 1.046 | 1.982 | 15.2 | 19.6 |
| 5 21 | 17 20.12 | -25 30.3 | 1.558 | 2.529 | 8.2 | 21.6 | 5 21 | 17 16.76 | -16 16.0 | 0.990 | 1.970 | 10.4 | 19.3 |
| 5 31 | 17 10.29 | -25 32.7 | 1.536 | 2.541 | 3.7 | 21.3 | 5 31 | 17 9.07 | -15 37.3 | 0.955 | 1.960 | 5.5 | 19.0 |
| 6 10 | 16 59.68 | -25 29.0 | 1.540 | 2.553 | 1.6 | 21.2 | 6 10 | 17 0.13 | -15 5.7 | 0.942 | 1.952 | 4.4 | 18.9 |
| 6 20 | 16 49.56 | -25 20.1 | 1.570 | 2.565 | 5.9 | 21.5 | 6 20 | 16 51.49 | -14 44.9 | 0.950 | 1.944 | 9.0 | 19.1 |
| 6 30 | 16 41.08 | -25 8.6 | 1.626 | 2.577 | 10.1 | 21.8 | 6 30 | 16 44.69 | -14 37.7 | 0.980 | 1.938 | 14.1 | 19.4 |
| 7 10 | 16 35.06 | -24 57.5 | 1.705 | 2.588 | 13.7 | 22.0 | 7 10 | 16 40.85 | -14 45.0 | 1.027 | 1.933 | 18.8 | 19.7 |
| 105428 | 2000 QT ₁₇₃ | | 6 7.3 182°72 | 0°2/ 7.3 | 18 | | 8445 | Novotroitskoe | | 6 7.4 263°06 | 0°6/ 7.5 | 18 | |
| 5 1 | 17 27.93 | -23 11.5 | 2.606 | 3.424 | 11.3 | 20.0 | 5 1 | 17 28.37 | -24 45.4 | 2.475 | 3.293 | 11.8 | 18.3 |
| 5 11 | 17 23.07 | -22 55.2 | 2.519 | 3.424 | 8.7 | 19.8 | 5 11 | 17 23.74 | -24 51.0 | 2.371 | 3.276 | 9.2 | 18.1 |
| 5 21 | 17 16.46 | -22 35.9 | 2.455 | 3.424 | 5.8 | 19.6 | 5 21 | 17 17.14 | -24 53.9 | 2.290 | 3.258 | 6.2 | 17.8 |
| 5 31 | 17 8.63 | -22 13.9 | 2.418 | 3.424 | 2.5 | 19.4 | 5 31 | 17 9.04 | -24 53.1 | 2.235 | 3.240 | 2.8 | 17.6 |
| 6 10 | 17 0.28 | -21 49.9 | 2.409 | 3.423 | 1.0 | 19.2 | 6 10 | 17 0.18 | -24 48.4 | 2.208 | 3.222 | 1.1 | 17.4 |
| 6 20 | 16 52.16 | -21 25.3 | 2.429 | 3.422 | 4.3 | 19.5 | 6 20 | 16 51.41 | -24 40.4 | 2.210 | 3.204 | 4.6 | 17.6 |
| 6 30 | 16 45.00 | -21 1.9 | 2.477 | 3.421 | 7.5 | 19.7 | 6 30 | 16 43.56 | -24 30.6 | 2.239 | 3.185 | 8.0 | 17.8 |
| 7 10 | 16 39.37 | -20 41.6 | 2.550 | 3.419 | 10.3 | 19.9 | 7 10 | 16 37.34 | -24 20.8 | 2.293 | 3.167 | 11.1 | 18.0 |
| 391666 | 2007 YD ₂₆ | | 6 7.3 209°11 | 0°2/ 7.3 | 16 | | 272605 | 2005 WF ₁₀ | | 6 7.4 173°82 | 0°2/ 7.4 | 17 | |
| 5 1 | 17 29.08 | -20 53.7 | 2.296 | 3.118 | 12.5 | 22.1 | 5 1 | 17 32.01 | -23 3.2 | 2.174 | 2.993 | 13.2 | 21.9 |
| 5 11 | 17 24.28 | -21 11.5 | 2.208 | 3.116 | 9.7 | 21.9 | 5 11 | 17 26.62 | -23 13.0 | 2.090 | 2.996 | 10.2 | 21.7 |
| 5 21 | 17 17.44 | -21 29.5 | 2.144 | 3.114 | 6.4 | 21.7 | 5 21 | 17 19.03 | -23 20.9 | 2.029 | 2.998 | 6.8 | 21.5 |
| 5 31 | 17 9.12 | -21 47.2 | 2.106 | 3.112 | 2.8 | 21.5 | 5 31 | 17 9.84 | -23 26.2 | 1.994 | 3.000 | 3.0 | 21.3 |
| 6 10 | 17 0.09 | -22 3.9 | 2.095 | 3.109 | 1.1 | 21.3 | 6 10 | 16 59.93 | -23 28.3 | 1.987 | 3.001 | 1.1 | 21.1 |
| 6 20 | 16 51.23 | -22 19.4 | 2.113 | 3.107 | 4.8 | 21.6 | 6 20 | 16 50.26 | -23 27.7 | 2.008 | 3.001 | 5.0 | 21.4 |
| 6 30 | 16 43.40 | -22 34.3 | 2.158 | 3.104 | 8.3 | 21.8 | 6 30 | 16 41.78 | -23 25.9 | 2.056 | 3.001 | 8.6 | 21.6 |
| 7 10 | 16 37.29 | -22 49.7 | 2.228 | 3.101 | 11.4 | 22.0 | 7 10 | 16 35.22 | -23 24.7 | 2.129 | 3.001 | 11.9 | 21.8 |
| 141041 | 2001 WW ₇₅ | | 6 7.3 130°37 | 1°1/ 7.1 | 18 | | 59136 | 1998 XZ ₄₉ | | 6 7.4 235°07 | 1°6/ 7.6 | 18 | |
| 5 1 | 17 27.45 | -20 7.3 | 2.225 | 3.053 | 12.7 | 20.8 | 5 1 | 17 31.21 | -25 53.4 | 2.258 | 3.074 | 12.9 | 19.0 |
| 5 11 | 17 22.98 | -19 55.6 | 2.144 | 3.055 | 9.8 | 20.6 | 5 11 | 17 26.15 | -26 27.2 | 2.163 | 3.066 | 10.1 | 18.8 |
| 5 21 | 17 16.53 | -19 43.1 | 2.085 | 3.056 | 6.5 | 20.4 | 5 21 | 17 18.84 | -26 59.0 | 2.092 | 3.058 | 6.8 | 18.5 |
| 5 31 | 17 8.70 | -19 30.4 | 2.052 | 3.058 | 2.9 | 20.2 | 5 31 | 17 9.82 | -27 26.7 | 2.046 | 3.050 | 3.4 | 18.3 |
| 6 10 | 17 0.26 | -19 18.2 | 2.047 | 3.060 | 1.6 | 20.1 | 6 10 | 16 59.92 | -27 48.6 | 2.029 | 3.041 | 1.9 | 18.2 |
| 6 20 | 16 52.08 | -19 7.6 | 2.069 | 3.061 | 5.0 | 20.3 | 6 20 | 16 50.12 | -28 4.1 | 2.040 | 3.032 | 5.1 | 18.4 |
| 6 30 | 16 44.97 | -19 0.1 | 2.118 | 3.063 | 8.5 | 20.5 | 6 30 | 16 41.39 | -28 14.0 | 2.078 | 3.023 | 8.6 | 18.6 |
| 7 10 | 16 39.58 | -18 56.9 | 2.191 | 3.064 | 11.5 | 20.7 | 7 10 | 16 34.54 | -28 20.3 | 2.140 | 3.013 | 11.8 | 18.8 |
| 279782 | 1999 TM ₂₂₅ | | 6 7.3 206°42 | 1°4/ 7.7 | 17 | | 422651 | 1997 CR ₃ | | 6 7.4 102°48 | 6°8/ 9.4 | 17 | |
| 5 1 | 17 30.83 | -27 12.1 | 2.076 | 2.897 | 13.7 | 21.5 | 5 1 | 17 37.66 | -41 40.6 | 2.068 | 2.846 | 15.2 | 21.6 |
| 5 11 | 17 25.91 | -27 15.8 | 1.989 | 2.894 | 10.7 | 21.3 | 5 11 | 17 31.45 | -42 21.1 | 2.003 | 2.865 | 12.6 | 21.4 |
| 5 21 | 17 18.64 | -27 14.2 | 1.924 | 2.891 | 7.2 | 21.1 | 5 21 | 17 22.37 | -42 47.4 | 1.958 | 2.883 | 10.0 | 21.3 |
| 5 31 | 17 9.66 | -27 6.0 | 1.884 | 2.888 | 3.5 | 20.8 | 5 31 | 17 11.28 | -42 54.7 | 1.938 | 2.900 | 7.7 | 21.2 |
| 6 10 | 16 59.90 | -26 51.0 | 1.872 | 2.884 | 1.7 | 20.7 | 6 10 | 16 59.45 | -42 40.7 | 1.942 | 2.918 | 6.8 | 21.2 |
| 6 20 | 16 50.41 | -26 30.2 | 1.887 | 2.881 | 5.2 | 20.9 | 6 20 | 16 48.20 | -42 6.7 | 1.974 | 2.935 | 7.9 | 21.3 |
| 6 30 | 16 42.18 | -26 6.2 | 1.929 | 2.877 | 8.9 | 21.1 | 6 30 | 16 38.77 | -41 17.0 | 2.030 | 2.951 | 10.1 | 21.4 |
| 7 10 | 16 35.99 | -25 42.1 | 1.994 | 2.872 | 12.3 | 21.3 | 7 10 | 16 31.95 | -40 18.1 | 2.110 | 2.967 | 12.5 | 21.6 |
| 276097 | 2002 EZ ₄₇ | | 6 7.4 28°48 | 0°5/ 7.4 | 17 | | 39317 | 2001 UU ₁₆₈ | | 6 7.4 216°35 | 5°4/ 8.6 | 18 | A |
| 5 1 | 17 28.51 | -24 27.5 | | | | | | | | | | | |

EPHEMERIDES

6 7.4

6 7.4

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|-------------|-------|---------|------|---------------|------------------------|-----------------|--------------|-------|---------|------|
| 295801 | 2008 UC ₂₉₁ | 6 7.4 193°70 | 2°4/ 6.7 17 | | | | 308040 | 2004 SA ₆₁ | 6 7.4 207°75 | 6°5/ 8.9 18 | | | |
| 5 1 | 17 28.52 | -17 38.7 | 2.097 | 2.925 | 13.3 | 21.6 | 5 1 | 17 35.97 | -40 40.6 | 2.198 | 2.977 | 14.3 | 21.2 |
| 5 11 | 17 23.91 | -17 9.0 | 2.014 | 2.924 | 10.4 | 21.4 | 5 11 | 17 30.30 | -41 24.9 | 2.109 | 2.973 | 12.0 | 21.0 |
| 5 21 | 17 17.22 | -16 39.4 | 1.954 | 2.923 | 7.0 | 21.2 | 5 21 | 17 21.81 | -41 57.3 | 2.042 | 2.969 | 9.5 | 20.8 |
| 5 31 | 17 9.05 | -16 11.2 | 1.919 | 2.922 | 3.6 | 21.0 | 5 31 | 17 11.18 | -42 13.0 | 1.999 | 2.964 | 7.3 | 20.7 |
| 6 10 | 17 0.25 | -15 46.3 | 1.911 | 2.920 | 2.7 | 20.9 | 6 10 | 16 59.53 | -42 8.9 | 1.981 | 2.958 | 6.5 | 20.6 |
| 6 20 | 16 51.70 | -15 26.3 | 1.931 | 2.919 | 5.8 | 21.1 | 6 20 | 16 48.14 | -41 45.0 | 1.990 | 2.952 | 7.7 | 20.7 |
| 6 30 | 16 44.28 | -15 13.1 | 1.978 | 2.917 | 9.3 | 21.3 | 6 30 | 16 38.27 | -41 4.5 | 2.025 | 2.946 | 10.1 | 20.8 |
| 7 10 | 16 38.68 | -15 7.6 | 2.047 | 2.915 | 12.5 | 21.5 | 7 10 | 16 30.86 | -40 13.1 | 2.083 | 2.940 | 12.7 | 21.0 |
| 392140 | 2009 HD ₁₁ | 6 7.4 30°44 | 4°6/ 5.9 17 | | | | 149548 | 2003 KY | 6 7.4 320°88 | 2°4/ 7.4 18 | | | |
| 5 1 | 17 26.06 | -11 44.8 | 2.089 | 2.917 | 13.4 | 21.1 | 5 1 | 17 32.65 | -26 5.2 | 2.264 | 3.077 | 12.9 | 19.4 |
| 5 11 | 17 21.93 | -10 57.0 | 2.013 | 2.918 | 10.6 | 20.9 | 5 11 | 17 27.34 | -27 11.7 | 2.175 | 3.075 | 10.2 | 19.2 |
| 5 21 | 17 15.87 | -10 12.9 | 1.959 | 2.920 | 7.6 | 20.7 | 5 21 | 17 19.69 | -28 18.0 | 2.109 | 3.073 | 7.0 | 19.0 |
| 5 31 | 17 8.45 | -9 35.4 | 1.931 | 2.922 | 5.2 | 20.6 | 5 31 | 17 10.25 | -29 20.4 | 2.070 | 3.071 | 3.7 | 18.8 |
| 6 10 | 17 0.47 | -9 7.3 | 1.929 | 2.923 | 4.9 | 20.6 | 6 10 | 16 59.86 | -30 15.9 | 2.060 | 3.069 | 2.6 | 18.7 |
| 6 20 | 16 52.76 | -8 50.5 | 1.953 | 2.925 | 7.1 | 20.7 | 6 20 | 16 49.51 | -31 2.4 | 2.078 | 3.067 | 5.4 | 18.9 |
| 6 30 | 16 46.12 | -8 45.8 | 2.003 | 2.927 | 10.0 | 20.9 | 6 30 | 16 40.24 | -31 39.7 | 2.125 | 3.065 | 8.7 | 19.1 |
| 7 10 | 16 41.18 | -8 53.2 | 2.075 | 2.929 | 12.8 | 21.1 | 7 10 | 16 32.89 | -32 9.2 | 2.195 | 3.063 | 11.7 | 19.3 |
| 256750 | 2008 BD ₃₀ | 6 7.4 143°70 | 0°2/ 7.4 17 | | | | 386385 | 2008 UX ₈₆ | 6 7.4 295°29 | 6°6/ 7.6 16 | | | |
| 5 1 | 17 33.63 | -24 26.3 | 1.837 | 2.662 | 15.0 | 21.4 | 5 1 | 17 34.12 | -35 11.5 | 1.761 | 2.574 | 16.1 | 21.0 |
| 5 11 | 17 28.15 | -24 16.2 | 1.762 | 2.671 | 11.6 | 21.2 | 5 11 | 17 29.66 | -36 32.3 | 1.668 | 2.558 | 13.3 | 20.7 |
| 5 21 | 17 20.13 | -24 1.6 | 1.709 | 2.680 | 7.7 | 21.0 | 5 21 | 17 21.92 | -37 47.3 | 1.595 | 2.542 | 10.2 | 20.5 |
| 5 31 | 17 10.33 | -23 42.2 | 1.682 | 2.688 | 3.4 | 20.7 | 5 31 | 17 11.45 | -38 49.8 | 1.546 | 2.527 | 7.5 | 20.3 |
| 6 10 | 16 59.81 | -23 18.5 | 1.681 | 2.695 | 1.2 | 20.6 | 6 10 | 16 59.39 | -39 34.1 | 1.522 | 2.511 | 6.7 | 20.2 |
| 6 20 | 16 49.72 | -22 52.3 | 1.708 | 2.702 | 5.6 | 20.9 | 6 20 | 16 47.23 | -39 57.2 | 1.524 | 2.496 | 8.7 | 20.3 |
| 6 30 | 16 41.13 | -22 26.7 | 1.761 | 2.708 | 9.7 | 21.1 | 6 30 | 16 36.59 | -40 0.3 | 1.550 | 2.481 | 12.0 | 20.4 |
| 7 10 | 16 34.82 | -22 4.4 | 1.837 | 2.714 | 13.2 | 21.4 | 7 10 | 16 28.76 | -39 48.5 | 1.597 | 2.466 | 15.3 | 20.6 |
| 288347 | 2004 BS ₁₂₉ | 6 7.4 150°03 | 1°0/ 7.1 17 | | | | 169864 | 2002 RP ₇₅ | 6 7.4 266°80 | 0°0/ 7.2 18 | | | |
| 5 1 | 17 32.77 | -20 45.1 | 1.886 | 2.713 | 14.6 | 22.5 | 5 1 | 17 28.82 | -23 20.3 | 2.065 | 2.894 | 13.5 | 20.8 |
| 5 11 | 17 27.39 | -20 34.1 | 1.811 | 2.720 | 11.3 | 22.3 | 5 11 | 17 24.41 | -23 12.2 | 1.971 | 2.882 | 10.5 | 20.5 |
| 5 21 | 17 19.60 | -20 21.8 | 1.757 | 2.728 | 7.5 | 22.0 | 5 21 | 17 17.73 | -23 1.0 | 1.899 | 2.871 | 7.0 | 20.3 |
| 5 31 | 17 10.10 | -20 8.4 | 1.728 | 2.734 | 3.3 | 21.8 | 5 31 | 17 9.38 | -22 46.5 | 1.853 | 2.859 | 3.0 | 20.0 |
| 6 10 | 16 59.89 | -19 54.6 | 1.727 | 2.741 | 1.6 | 21.7 | 6 10 | 17 0.21 | -22 29.1 | 1.833 | 2.848 | 1.1 | 19.9 |
| 6 20 | 16 50.04 | -19 41.8 | 1.754 | 2.746 | 5.7 | 22.0 | 6 20 | 16 51.21 | -22 10.2 | 1.841 | 2.836 | 5.2 | 20.1 |
| 6 30 | 16 41.60 | -19 31.8 | 1.806 | 2.751 | 9.6 | 22.2 | 6 30 | 16 43.36 | -21 51.8 | 1.875 | 2.824 | 9.1 | 20.3 |
| 7 10 | 16 35.30 | -19 26.5 | 1.882 | 2.756 | 13.1 | 22.4 | 7 10 | 16 37.43 | -21 36.4 | 1.933 | 2.812 | 12.6 | 20.5 |
| 108086 | 2001 FQ ₁₇₃ | 6 7.4 290°98 | 2°1/ 7.7 18 | | | | 123646 | 2000 YW ₆₃ | 6 7.4 111°13 | 0°9/ 7.1 18 | | | |
| 5 1 | 17 31.22 | -27 5.2 | 1.529 | 2.369 | 16.8 | 20.1 | 5 1 | 17 27.15 | -20 23.6 | 2.536 | 3.357 | 11.5 | 20.1 |
| 5 11 | 17 27.45 | -27 22.4 | 1.429 | 2.344 | 13.4 | 19.8 | 5 11 | 17 22.49 | -20 16.5 | 2.459 | 3.367 | 8.8 | 19.9 |
| 5 21 | 17 20.44 | -27 34.9 | 1.348 | 2.320 | 9.2 | 19.5 | 5 21 | 17 16.11 | -20 8.7 | 2.406 | 3.376 | 5.8 | 19.7 |
| 5 31 | 17 10.76 | -27 39.8 | 1.290 | 2.295 | 4.6 | 19.2 | 5 31 | 17 8.56 | -20 0.5 | 2.379 | 3.385 | 2.6 | 19.5 |
| 6 10 | 16 59.57 | -27 35.4 | 1.257 | 2.270 | 2.5 | 18.9 | 6 10 | 17 0.53 | -19 52.4 | 2.380 | 3.394 | 1.3 | 19.4 |
| 6 20 | 16 48.33 | -27 21.7 | 1.250 | 2.245 | 7.0 | 19.2 | 6 20 | 16 52.75 | -19 45.3 | 2.410 | 3.402 | 4.4 | 19.7 |
| 6 30 | 16 38.61 | -27 1.5 | 1.266 | 2.220 | 12.0 | 19.4 | 6 30 | 16 45.94 | -19 40.3 | 2.467 | 3.411 | 7.5 | 19.9 |
| 7 10 | 16 31.66 | -26 39.4 | 1.303 | 2.196 | 16.5 | 19.6 | 7 10 | 16 40.64 | -19 38.5 | 2.549 | 3.419 | 10.2 | 20.1 |
| 215749 | 2004 EN ₈₃ | 6 7.4 48°07 | 1°8/ 7.6 17 | | | | 112799 | 2002 PS ₁₆₅ | 6 7.4 227°42 | 0°7/ 7.6 18 | | | |
| 5 1 | 17 29.77 | -26 14.3 | 1.999 | 2.826 | 13.9 | 20.4 | 5 1 | 17 30.01 | -25 7.9 | 2.458 | 3.273 | 12.0 | 21.6 |
| 5 11 | 17 25.17 | -26 43.9 | 1.922 | 2.831 | 10.9 | 20.2 | 5 11 | 17 24.98 | -25 10.1 | 2.360 | 3.263 | 9.3 | 21.4 |
| 5 21 | 17 18.21 | -27 10.4 | 1.868 | 2.836 | 7.3 | 20.0 | 5 21 | 17 17.95 | -25 8.9 | 2.284 | 3.252 | 6.2 | 21.1 |
| 5 31 | 17 9.53 | -27 31.6 | 1.838 | 2.842 | 3.6 | 19.7 | 5 31 | 17 9.43 | -25 3.5 | 2.236 | 3.241 | 2.8 | 20.9 |
| 6 10 | 17 0.09 | -27 46.4 | 1.835 | 2.847 | 2.0 | 19.6 | 6 10 | 17 0.20 | -24 53.9 | 2.215 | 3.229 | 1.1 | 20.7 |
| 6 20 | 16 50.92 | -27 54.4 | 1.859 | 2.853 | 5.3 | 19.9 | 6 20 | 16 51.10 | -24 40.6 | 2.224 | 3.217 | 4.6 | 21.0 |
| 6 30 | 16 43.03 | -27 57.2 | 1.910 | 2.859 | 9.0 | 20.1 | 6 30 | 16 43.00 | -24 25.5 | 2.259 | 3.204 | 8.0 | 21.2 |
| 7 10 | 16 37.21 | -27 57.1 | 1.984 | 2.865 | 12.2 | 20.3 | 7 10 | 16 36.58 | -24 10.8 | 2.320 | 3.191 | 11.0 | 21.3 |
| 475218 | 2005 VP ₇₂ | 6 7.4 250°26 | 0°4/ 7.4 18 | | | | 395962 | 2013 AP ₁₇₄ | 6 7.4 152°53 | 3°8/ 6.0 17 | | | |
| 5 1 | 17 28.73 | -23 7.8 | 2.702 | 3.516 | 11.1 | 21.9 | 5 1 | 17 26.55 | -12 2.5 | 2.586 | 3.402 | 11.5 | 22.6 |
| 5 11 | 17 23.85 | -23 26.1 | 2.598 | 3.501 | 8.6 | 21.7 | 5 11 | 17 21.92 | -11 21.7 | 2.508 | 3.407 | 9.0 | 22.5 |
| 5 21 | 17 17.14 | -23 43.5 | 2.517 | 3.485 | 5.7 | 21.5 | 5 21 | 17 15.70 | -10 43.9 | 2.454 | 3.412 | 6.5 | 22.3 |
| 5 31 | 17 9.05 | -23 59.1 | 2.463 | 3.469 | 2.5 | 21.2 | 5 31 | 17 8.37 | -10 11.3 | 2.426 | 3.417 | 4.3 | 22.2 |
| 6 10 | 17 0.25 | -24 12.1 | 2.438 | 3.452 | 1.0 | 21.1 | 6 10 | 17 0.61 | -9 45.8 | 2.426 | 3.421 | 4.0 | 22.2 |
| 6 20 | 16 51.50 | -24 22.6 | 2.442 | 3.436 | 4.3 | 21.3 | 6 20 | 16 53.08 | -9 28.9 | 2.454 | 3.425 | 5.9 | 22.3 |
| 6 30 | 16 43.56 | -24 31.1 | 2.475 | 3.418 | 7.4 | 21.5 | 6 30 | 16 46.44 | -9 21.5 | 2.509 | 3.429 | 8.5 | 22.5 |
| 7 10 | 16 37.10 | -24 38.9 | 2.532 | 3.401 | 10.3 | 21.6 | 7 10 | 16 41.22 | -9 23.5 | 2.588 | 3.433 | 10.9 | 22.6 |
| 247395 | 2002 AF ₁₁₁ | 6 7.4 335°36 | 4°6/ 8.8 18 | | | | 303816 | 2005 SQ ₈₁ | 6 7.4 74°96 | 5°7/ 5.7 18 | | | |
| 5 1 | 17 30.20 | -36 31.5 | 2.207 | 3.009 | 13.6 | 20.1 | 5 1 | 17 25.81 | -7 18.3 | 2.239 | 3.056 | 13.0 | 21.0 |
| 5 11 | 17 25.52 | -36 48.7 | 2.122 | 3.007 | 11.1 | 19.9 | 5 11 | 17 21.54 | -6 28.9 | 2.172 | 3.065 | 10.5 | 20.9 |
| 5 21 | 17 18.44 | -36 55.3 | 2.058 | 3.005 | 8.3 | 19.7 | 5 21 | 17 15.52 | -5 46.2 | 2.127 | 3.075 | 8.0 | 20.7 |
| 5 31 | 17 9.63 | -36 48.5 | 2.019 | 3.004 | 5.6 | 19.6 | 5 31 | 17 8.31 | -5 13.6 | 2.107 | 3.084 | 6.1 | 20.6 |
| 6 10 | 17 0.07 | -36 26.9 | 2.006 | 3.002 | 4.6 | 19.5 | 6 10 | 17 0.64 | -4 53.4 | 2.114 | 3.094 | 5.9 | 20.6 |
| 6 20 | 16 50.82 | -35 51.8 | 2.020 | 3.001 | 6.2 | 19.6 | 6 20 | 16 53.25 | -4 47.0 | 2.147 | 3.103 | 7.6 | 20.8 |
| 6 30 | 16 42.92 | -35 6.4 | 2.060 | 2.999 | 9.0 | 19.8 | 6 30 | 16 46.88 | -4 54.5 | 2.205 | 3.113 | 10.0 | 20.9 |
| 7 10 | 16 37.13 | -34 15.5 | 2.124 | 2.998 | 11.8 | 19.9 | 7 10 | 16 42.07 | -5 14.7 | 2.285 | 3.122 | 12.4 | 21.1 |
| 138903 | 2000 YA ₁₀₇ | 6 7.4 172°98 | 0°5/ 7.2 18 | | | | 441005 | 2007 DA ₉₃ | 6 7.4 73°00 | 7°8/ 10.0 18 | | | |
| 5 1 | 17 27.24 | -21 10.4 | 2.843 | 3.658 | | | | | | | | | |

EPHEMERIDES

6 7.4

6 7.4

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|---------------|---------|------|---------------|------------------------|-----------------|--------------|-------------|---------|------|
| 405788 | 2006 AV ₆₄ | | 6 7.4 28°82 | 5°7/ 8.8 17 | | | 42258 | 2001 OZ ₆₈ | | 6 7.4 298°58 | 2°1/ 7.0 18 | | |
| 5 1 | 17 33.28 | -34 59.2 | 1.221 | 2.062 | 20.2 | 20.2 | 5 1 | 17 28.75 | -18 34.8 | 1.527 | 2.374 | 16.5 | 18.2 |
| 5 11 | 17 29.52 | -35 16.7 | 1.156 | 2.066 | 16.3 | 20.0 | 5 11 | 17 25.24 | -18 22.9 | 1.431 | 2.351 | 13.0 | 17.9 |
| 5 21 | 17 21.87 | -35 18.7 | 1.107 | 2.070 | 11.9 | 19.7 | 5 21 | 17 18.82 | -18 11.6 | 1.354 | 2.329 | 8.8 | 17.6 |
| 5 31 | 17 11.32 | -35 0.2 | 1.080 | 2.074 | 7.6 | 19.5 | 5 31 | 17 10.06 | -18 1.9 | 1.301 | 2.307 | 4.2 | 17.3 |
| 6 10 | 16 59.58 | -34 19.7 | 1.075 | 2.079 | 5.7 | 19.4 | 6 10 | 17 0.00 | -17 54.9 | 1.272 | 2.285 | 2.7 | 17.1 |
| 6 20 | 16 48.54 | -33 20.2 | 1.094 | 2.085 | 8.5 | 19.6 | 6 20 | 16 49.95 | -17 52.1 | 1.269 | 2.263 | 7.2 | 17.3 |
| 6 30 | 16 39.93 | -32 9.3 | 1.134 | 2.091 | 12.9 | 19.8 | 6 30 | 16 41.28 | -17 55.1 | 1.289 | 2.241 | 12.1 | 17.5 |
| 7 10 | 16 34.80 | -30 56.3 | 1.195 | 2.097 | 17.1 | 20.1 | 7 10 | 16 35.10 | -18 5.5 | 1.330 | 2.219 | 16.5 | 17.7 |
| 520043 | 2013 VJ ₂₉ | | 6 7.4 350°05 | 6°2/ 4.9 17 | | | 105609 | 2000 RB ₉₈ | | 6 7.4 236°51 | 0°2/ 7.5 18 | | |
| 5 1 | 17 26.68 | -14 2.7 | 1.488 | 2.337 | 16.7 | 20.5 | 5 1 | 17 28.81 | -26 4.8 | 2.421 | 3.238 | 12.1 | 19.5 |
| 5 11 | 17 23.20 | -12 25.8 | 1.415 | 2.333 | 13.3 | 20.3 | 5 11 | 17 23.99 | -25 32.7 | 2.327 | 3.232 | 9.4 | 19.3 |
| 5 21 | 17 17.10 | -10 48.2 | 1.363 | 2.330 | 9.6 | 20.0 | 5 21 | 17 17.23 | -24 54.4 | 2.256 | 3.225 | 6.2 | 19.1 |
| 5 31 | 17 9.12 | -9 16.0 | 1.334 | 2.327 | 6.7 | 19.9 | 5 31 | 17 9.11 | -24 10.4 | 2.212 | 3.218 | 2.8 | 18.9 |
| 6 10 | 17 0.35 | -7 55.9 | 1.331 | 2.325 | 6.7 | 19.9 | 6 10 | 17 0.41 | -23 21.9 | 2.196 | 3.211 | 1.0 | 18.7 |
| 6 20 | 16 51.97 | -6 53.5 | 1.352 | 2.324 | 9.6 | 20.0 | 6 20 | 16 51.97 | -22 31.3 | 2.209 | 3.203 | 4.6 | 18.9 |
| 6 30 | 16 45.09 | -6 12.2 | 1.396 | 2.323 | 13.3 | 20.2 | 6 30 | 16 44.58 | -21 41.7 | 2.250 | 3.196 | 8.0 | 19.1 |
| 7 10 | 16 40.51 | -5 52.5 | 1.459 | 2.322 | 16.8 | 20.4 | 7 10 | 16 38.88 | -20 56.2 | 2.316 | 3.188 | 11.0 | 19.3 |
| 476496 | 2008 FD ₁₂₃ | | 6 7.4 227°69 | 8°8/ 2.7 16 | | | 189554 | 2000 SO ₂₆ | | 6 7.4 218°08 | 5°6/ 9.3 17 | | |
| 5 1 | 17 25.13 | + 2 57.9 | 2.541 | 3.320 | 12.6 | 21.3 | 5 1 | 17 34.94 | -38 44.2 | 1.918 | 2.715 | 15.5 | 20.0 |
| 5 11 | 17 20.90 | + 4 31.1 | 2.468 | 3.316 | 11.0 | 21.2 | 5 11 | 17 29.62 | -38 54.2 | 1.832 | 2.712 | 12.8 | 19.8 |
| 5 21 | 17 15.08 | + 5 54.2 | 2.418 | 3.312 | 9.6 | 21.0 | 5 21 | 17 21.38 | -38 49.8 | 1.766 | 2.709 | 9.7 | 19.6 |
| 5 31 | 17 8.14 | + 7 2.2 | 2.393 | 3.309 | 8.9 | 21.0 | 5 31 | 17 11.01 | -38 27.3 | 1.724 | 2.705 | 6.8 | 19.5 |
| 6 10 | 17 0.71 | + 7 51.1 | 2.393 | 3.305 | 9.1 | 21.0 | 6 10 | 16 59.74 | -37 45.1 | 1.708 | 2.702 | 5.6 | 19.4 |
| 6 20 | 16 53.47 | + 8 18.8 | 2.417 | 3.301 | 10.2 | 21.1 | 6 20 | 16 48.92 | -36 45.0 | 1.718 | 2.698 | 7.2 | 19.5 |
| 6 30 | 16 47.06 | + 8 25.1 | 2.465 | 3.297 | 11.8 | 21.2 | 6 30 | 16 39.82 | -35 32.5 | 1.754 | 2.694 | 10.3 | 19.6 |
| 7 10 | 16 42.03 | + 8 11.6 | 2.532 | 3.292 | 13.4 | 21.3 | 7 10 | 16 33.33 | -34 14.4 | 1.814 | 2.690 | 13.4 | 19.8 |
| 302808 | 2003 BB ₁₆ | | 6 7.4 154°83 | 5°0/ 6.3 18 | | | 247073 | 2000 RB ₈₉ | | 6 7.4 241°84 | 3°4/ 8.2 17 | | |
| 5 1 | 17 27.17 | - 6 48.5 | 2.538 | 3.343 | 11.9 | 21.1 | 5 1 | 17 34.76 | -31 41.3 | 1.653 | 2.476 | 16.5 | 20.6 |
| 5 11 | 17 22.43 | - 6 24.5 | 2.461 | 3.348 | 9.6 | 20.9 | 5 11 | 17 29.85 | -31 46.1 | 1.562 | 2.465 | 13.2 | 20.4 |
| 5 21 | 17 16.06 | - 6 7.6 | 2.407 | 3.353 | 7.3 | 20.8 | 5 21 | 17 21.78 | -31 40.6 | 1.492 | 2.455 | 9.3 | 20.1 |
| 5 31 | 17 8.55 | - 6 0.0 | 2.379 | 3.357 | 5.4 | 20.7 | 5 31 | 17 11.29 | -31 21.6 | 1.444 | 2.443 | 5.3 | 19.9 |
| 6 10 | 17 0.57 | - 6 2.9 | 2.378 | 3.361 | 5.1 | 20.6 | 6 10 | 16 59.62 | -30 48.0 | 1.423 | 2.432 | 3.5 | 19.7 |
| 6 20 | 16 52.80 | - 6 17.0 | 2.405 | 3.365 | 6.7 | 20.7 | 6 20 | 16 48.24 | -30 1.4 | 1.427 | 2.419 | 6.8 | 19.9 |
| 6 30 | 16 45.92 | - 6 41.8 | 2.458 | 3.368 | 9.0 | 20.9 | 6 30 | 16 38.56 | -29 6.9 | 1.457 | 2.407 | 11.1 | 20.1 |
| 7 10 | 16 40.46 | - 7 16.3 | 2.535 | 3.372 | 11.3 | 21.1 | 7 10 | 16 31.65 | -28 10.7 | 1.509 | 2.394 | 15.1 | 20.3 |
| 230047 | 2000 SJ ₄₀ | | 6 7.4 183°94 | 1°7/ 6.9 18 R | | | 499313 | 2009 WX ₇₉ | | 6 7.4 175°37 | 1°9/ 7.0 17 | | |
| 5 1 | 17 30.54 | -18 4.2 | 2.385 | 3.202 | 12.3 | 21.4 | 5 1 | 17 30.57 | -17 39.5 | 2.049 | 2.874 | 13.7 | 22.3 |
| 5 11 | 17 25.25 | -17 52.3 | 2.298 | 3.203 | 9.5 | 21.3 | 5 11 | 17 25.59 | -17 31.6 | 1.967 | 2.875 | 10.6 | 22.1 |
| 5 21 | 17 18.04 | -17 40.9 | 2.235 | 3.202 | 6.4 | 21.1 | 5 21 | 17 18.42 | -17 24.9 | 1.907 | 2.877 | 7.1 | 21.9 |
| 5 31 | 17 9.45 | -17 30.4 | 2.198 | 3.202 | 3.1 | 20.8 | 5 31 | 17 9.67 | -17 20.2 | 1.874 | 2.878 | 3.5 | 21.7 |
| 6 10 | 17 0.25 | -17 21.8 | 2.189 | 3.200 | 2.0 | 20.8 | 6 10 | 17 0.22 | -17 18.1 | 1.867 | 2.878 | 2.3 | 21.6 |
| 6 20 | 16 51.27 | -17 16.0 | 2.210 | 3.198 | 5.1 | 21.0 | 6 20 | 16 51.02 | -17 19.3 | 1.889 | 2.878 | 5.6 | 21.8 |
| 6 30 | 16 43.30 | -17 14.0 | 2.257 | 3.196 | 8.4 | 21.2 | 6 30 | 16 43.00 | -17 24.8 | 1.936 | 2.878 | 9.3 | 22.0 |
| 7 10 | 16 36.99 | -17 16.7 | 2.329 | 3.192 | 11.3 | 21.4 | 7 10 | 16 36.88 | -17 35.3 | 2.007 | 2.878 | 12.6 | 22.3 |
| 219626 | 2001 TW ₂₀₆ | | 6 7.4 338°98 | 0°7/ 7.2 17 | | | 121440 | 1999 TY ₁₈₄ | | 6 7.4 235°98 | 5°1/ 9.1 18 | | |
| 5 1 | 17 29.62 | -22 8.0 | 1.596 | 2.438 | 16.1 | 20.4 | 5 1 | 17 32.36 | -41 8.4 | 2.975 | 3.740 | 11.3 | 21.0 |
| 5 11 | 17 25.54 | -21 53.5 | 1.517 | 2.436 | 12.5 | 20.2 | 5 11 | 17 26.79 | -41 32.8 | 2.872 | 3.727 | 9.4 | 20.9 |
| 5 21 | 17 18.71 | -21 36.2 | 1.460 | 2.435 | 8.3 | 19.9 | 5 21 | 17 19.15 | -41 46.9 | 2.791 | 3.713 | 7.5 | 20.7 |
| 5 31 | 17 9.86 | -21 16.4 | 1.426 | 2.433 | 3.6 | 19.6 | 5 31 | 17 9.99 | -41 47.9 | 2.736 | 3.699 | 5.7 | 20.6 |
| 6 10 | 17 0.11 | -20 55.0 | 1.418 | 2.432 | 1.6 | 19.5 | 6 10 | 17 0.10 | -41 34.1 | 2.708 | 3.684 | 5.1 | 20.5 |
| 6 20 | 16 50.70 | -20 34.1 | 1.435 | 2.431 | 6.3 | 19.8 | 6 20 | 16 50.38 | -41 5.7 | 2.708 | 3.669 | 6.0 | 20.6 |
| 6 30 | 16 42.82 | -20 16.3 | 1.477 | 2.430 | 10.8 | 20.1 | 6 30 | 16 41.71 | -40 25.0 | 2.735 | 3.653 | 7.9 | 20.7 |
| 7 10 | 16 37.35 | -20 4.1 | 1.541 | 2.429 | 14.7 | 20.3 | 7 10 | 16 34.79 | -39 35.8 | 2.787 | 3.637 | 10.0 | 20.8 |
| 434706 | 2006 CG ₄₁ | | 6 7.4 93°75 | 6°8/ 5.8 17 | | | 308478 | 2005 TJ ₆₁ | | 6 7.4 302°59 | 0°0/ 7.2 18 | | |
| 5 1 | 17 28.62 | - 6 6.6 | 1.901 | 2.719 | 14.9 | 21.6 | 5 1 | 17 27.04 | -23 34.7 | 2.104 | 2.935 | 13.2 | 20.9 |
| 5 11 | 17 23.96 | - 5 13.6 | 1.840 | 2.732 | 12.1 | 21.4 | 5 11 | 17 23.01 | -23 25.0 | 2.011 | 2.923 | 10.3 | 20.7 |
| 5 21 | 17 17.23 | - 4 29.5 | 1.799 | 2.745 | 9.3 | 21.3 | 5 21 | 17 16.81 | -23 12.0 | 1.940 | 2.911 | 6.8 | 20.5 |
| 5 31 | 17 9.09 | - 3 58.3 | 1.783 | 2.758 | 7.2 | 21.2 | 5 31 | 17 9.01 | -22 55.5 | 1.893 | 2.900 | 3.0 | 20.2 |
| 6 10 | 17 0.41 | - 3 42.9 | 1.793 | 2.770 | 7.0 | 21.2 | 6 10 | 17 0.45 | -22 36.3 | 1.874 | 2.889 | 1.1 | 20.0 |
| 6 20 | 16 52.12 | - 3 44.4 | 1.828 | 2.783 | 8.8 | 21.3 | 6 20 | 16 52.05 | -22 15.6 | 1.882 | 2.877 | 5.1 | 20.3 |
| 6 30 | 16 45.07 | - 4 2.4 | 1.887 | 2.795 | 11.4 | 21.5 | 6 30 | 16 44.76 | -21 55.6 | 1.917 | 2.866 | 8.9 | 20.5 |
| 7 10 | 16 39.89 | - 4 34.9 | 1.968 | 2.807 | 14.0 | 21.7 | 7 10 | 16 39.32 | -21 38.6 | 1.975 | 2.856 | 12.3 | 20.7 |
| 221809 | 2008 CD ₁₉₆ | | 6 7.4 306°52 | 5°1/ 8.1 17 | | | 238675 | 2005 EN ₁₉₂ | | 6 7.4 120°07 | 2°3/ 6.8 17 | | |
| 5 1 | 17 31.05 | -32 34.9 | 1.470 | 2.305 | 17.6 | 20.5 | 5 1 | 17 28.32 | -17 46.3 | 2.019 | 2.850 | 13.7 | 20.9 |
| 5 11 | 17 27.56 | -33 14.7 | 1.380 | 2.288 | 14.3 | 20.2 | 5 11 | 17 23.84 | -17 22.5 | 1.941 | 2.853 | 10.6 | 20.7 |
| 5 21 | 17 20.63 | -33 46.2 | 1.310 | 2.272 | 10.4 | 19.9 | 5 21 | 17 17.25 | -16 59.1 | 1.885 | 2.855 | 7.1 | 20.5 |
| 5 31 | 17 10.91 | -34 4.4 | 1.261 | 2.256 | 6.6 | 19.7 | 5 31 | 17 9.15 | -16 37.4 | 1.854 | 2.858 | 3.6 | 20.3 |
| 6 10 | 16 59.69 | -34 5.5 | 1.237 | 2.241 | 5.2 | 19.5 | 6 10 | 17 0.42 | -16 18.9 | 1.851 | 2.861 | 2.6 | 20.2 |
| 6 20 | 16 48.58 | -33 48.9 | 1.236 | 2.225 | 8.0 | 19.7 | 6 20 | 16 51.97 | -16 5.1 | 1.874 | 2.863 | 5.8 | 20.4 |
| 6 30 | 16 39.25 | -33 18.2 | 1.259 | 2.211 | 12.3 | 19.9 | 6 30 | 16 44.71 | -15 57.6 | 1.924 | 2.866 | 9.4 | 20.6 |
| 7 10 | 16 32.95 | -32 39.8 | 1.302 | 2.196 | 16.5 | 20.1 | 7 10 | 16 39.31 | -15 57.1 | 1.997 | 2.868 | 12.6 | 20.8 |
| 475861 | 2007 BU ₈₆ | | 6 7.4 223°06 | 3°1/ 8.4 18 | | | 377734 | 2005 XB ₂₀ | | 6 7.4 207°02 | 2°4/ 8.3 18 | | |
| 5 1 | 17 29.99 | -33 44.8 | | | | | | | | | | | |

EPHEMERIDES

6 7.4

6 7.4

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|---------------|-------------------------------|-----------------|--------------|------------|---------|------|
| 359920 | 2011 <i>WS</i> ₁₃₁ | | 6 7.4 190°42 | 1.2°/ 7.0 | 16 | | 313090 | 2000 <i>UY</i> ₆₇ | | 6 7.4 195°14 | 1.3°/ 7.8 | 17 | |
| 5 1 | 17 26.94 | -19 24.4 | 2.727 | 3.545 | 10.9 | 22.8 | 5 1 | 17 35.15 | -27 47.8 | 1.937 | 2.754 | 14.7 | 21.1 |
| 5 11 | 17 22.28 | -19 9.2 | 2.639 | 3.544 | 8.4 | 22.6 | 5 11 | 17 29.44 | -27 34.9 | 1.849 | 2.752 | 11.5 | 20.8 |
| 5 21 | 17 15.99 | -18 53.4 | 2.574 | 3.543 | 5.6 | 22.4 | 5 21 | 17 21.12 | -27 14.7 | 1.782 | 2.749 | 7.8 | 20.6 |
| 5 31 | 17 8.57 | -18 37.7 | 2.536 | 3.541 | 2.6 | 22.2 | 5 31 | 17 10.90 | -26 45.9 | 1.741 | 2.745 | 3.7 | 20.3 |
| 6 10 | 17 0.64 | -18 22.8 | 2.527 | 3.539 | 1.6 | 22.2 | 6 10 | 16 59.85 | -26 8.8 | 1.727 | 2.740 | 1.6 | 20.2 |
| 6 20 | 16 52.90 | -18 9.9 | 2.547 | 3.537 | 4.4 | 22.4 | 6 20 | 16 49.13 | -25 25.8 | 1.741 | 2.735 | 5.6 | 20.4 |
| 6 30 | 16 46.01 | -18 0.0 | 2.594 | 3.534 | 7.3 | 22.5 | 6 30 | 16 39.86 | -24 40.7 | 1.782 | 2.729 | 9.6 | 20.7 |
| 7 10 | 16 40.53 | -17 54.3 | 2.667 | 3.531 | 10.0 | 22.7 | 7 10 | 16 32.89 | -23 57.7 | 1.847 | 2.723 | 13.2 | 20.9 |
| 464651 | 2000 <i>WS</i> ₁₂₂ | | 6 7.4 262°58 | 0°8/ 7.5 | 18 | | 141113 | 2001 <i>XN</i> ₆₉ | | 6 7.4 221°20 | 0°1/ 7.4 | 18 | |
| 5 1 | 17 33.25 | -23 23.3 | 1.620 | 2.455 | 16.3 | 20.8 | 5 1 | 17 28.18 | -23 12.4 | 2.469 | 3.288 | 11.8 | 21.1 |
| 5 11 | 17 28.71 | -23 46.0 | 1.525 | 2.439 | 12.8 | 20.5 | 5 11 | 17 23.50 | -23 3.2 | 2.376 | 3.283 | 9.1 | 20.9 |
| 5 21 | 17 21.13 | -24 7.9 | 1.450 | 2.423 | 8.6 | 20.2 | 5 21 | 17 16.94 | -22 51.2 | 2.307 | 3.277 | 6.1 | 20.7 |
| 5 31 | 17 11.09 | -24 27.1 | 1.400 | 2.406 | 3.9 | 19.9 | 5 31 | 17 9.03 | -22 36.5 | 2.265 | 3.271 | 2.6 | 20.4 |
| 6 10 | 16 59.70 | -24 42.0 | 1.375 | 2.389 | 1.5 | 19.7 | 6 10 | 17 0.51 | -22 19.4 | 2.251 | 3.265 | 1.0 | 20.3 |
| 6 20 | 16 48.33 | -24 52.0 | 1.376 | 2.371 | 6.5 | 20.0 | 6 20 | 16 52.17 | -22 1.3 | 2.265 | 3.258 | 4.5 | 20.5 |
| 6 30 | 16 38.41 | -24 58.3 | 1.402 | 2.353 | 11.3 | 20.2 | 6 30 | 16 44.80 | -21 43.7 | 2.306 | 3.252 | 7.8 | 20.7 |
| 7 10 | 16 31.07 | -25 3.7 | 1.450 | 2.335 | 15.6 | 20.4 | 7 10 | 16 39.04 | -21 28.6 | 2.372 | 3.244 | 10.8 | 20.9 |
| 93095 | 2000 <i>SL</i> ₃₉ | | 6 7.4 173°33 | 3°9/ 6.5 | 18 | | 117801 | 2005 <i>GX</i> ₁₆₆ | | 6 7.4 345°63 | 1°4/ 7.2 | 17 | |
| 5 1 | 17 29.64 | -12 45.5 | 2.102 | 2.923 | 13.5 | 20.3 | 5 1 | 17 25.61 | -20 55.0 | 1.182 | 2.051 | 18.9 | 19.6 |
| 5 11 | 17 24.75 | -12 18.3 | 2.022 | 2.925 | 10.7 | 20.1 | 5 11 | 17 23.36 | -20 41.2 | 1.109 | 2.042 | 14.8 | 19.3 |
| 5 21 | 17 17.80 | -11 55.1 | 1.965 | 2.927 | 7.5 | 19.9 | 5 21 | 17 17.79 | -20 25.6 | 1.054 | 2.034 | 9.9 | 19.0 |
| 5 31 | 17 9.40 | -11 37.7 | 1.933 | 2.929 | 4.7 | 19.8 | 5 31 | 17 9.66 | -20 9.1 | 1.020 | 2.027 | 4.4 | 18.7 |
| 6 10 | 17 0.36 | -11 27.8 | 1.929 | 2.929 | 4.1 | 19.7 | 6 10 | 17 0.29 | -19 53.3 | 1.008 | 2.022 | 2.2 | 18.5 |
| 6 20 | 16 51.58 | -11 26.7 | 1.951 | 2.930 | 6.6 | 19.9 | 6 20 | 16 51.25 | -19 40.2 | 1.019 | 2.017 | 7.6 | 18.8 |
| 6 30 | 16 43.91 | -11 34.9 | 2.000 | 2.930 | 9.7 | 20.1 | 6 30 | 16 44.06 | -19 32.7 | 1.052 | 2.014 | 13.0 | 19.1 |
| 7 10 | 16 38.03 | -11 52.2 | 2.073 | 2.930 | 12.7 | 20.3 | 7 10 | 16 39.81 | -19 32.8 | 1.104 | 2.012 | 17.7 | 19.4 |
| 225935 | 2002 <i>AV</i> ₁₇₅ | | 6 7.4 71°20 | 0°7/ 7.5 | 17 | | 138827 | 2000 <i>UB</i> ₄₄ | | 6 7.4 191°61 | 0°2/ 7.5 | 18 | |
| 5 1 | 17 31.24 | -24 14.8 | 1.704 | 2.539 | 15.6 | 20.7 | 5 1 | 17 31.13 | -24 9.0 | 2.181 | 3.001 | 13.1 | 20.8 |
| 5 11 | 17 26.56 | -24 25.6 | 1.635 | 2.549 | 12.1 | 20.5 | 5 11 | 17 26.01 | -24 3.5 | 2.094 | 3.000 | 10.2 | 20.6 |
| 5 21 | 17 19.26 | -24 33.5 | 1.588 | 2.560 | 8.0 | 20.3 | 5 21 | 17 18.71 | -23 54.6 | 2.029 | 2.998 | 6.8 | 20.4 |
| 5 31 | 17 10.07 | -24 37.0 | 1.565 | 2.571 | 3.6 | 20.1 | 5 31 | 17 9.84 | -23 41.7 | 1.990 | 2.996 | 3.0 | 20.2 |
| 6 10 | 17 0.13 | -24 35.9 | 1.567 | 2.582 | 1.4 | 19.9 | 6 10 | 17 0.26 | -23 25.2 | 1.979 | 2.994 | 1.0 | 20.0 |
| 6 20 | 16 50.60 | -24 30.9 | 1.597 | 2.592 | 5.7 | 20.2 | 6 20 | 16 50.92 | -23 6.3 | 1.997 | 2.991 | 5.0 | 20.3 |
| 6 30 | 16 42.62 | -24 24.0 | 1.651 | 2.603 | 9.9 | 20.5 | 6 30 | 16 42.76 | -22 47.1 | 2.041 | 2.987 | 8.6 | 20.5 |
| 7 10 | 16 36.98 | -24 17.9 | 1.729 | 2.614 | 13.5 | 20.8 | 7 10 | 16 36.49 | -22 30.0 | 2.109 | 2.984 | 11.9 | 20.7 |
| 235280 | 2003 <i>UU</i> ₁₇ | | 6 7.4 276°59 | 2°7/ 7.9 | 18 | | 148058 | 1998 <i>SX</i> ₁₆₇ | | 6 7.4 271°95 | 0°4/ 7.5 | 18 | |
| 5 1 | 17 30.77 | -29 12.9 | 1.943 | 2.766 | 14.4 | 20.5 | 5 1 | 17 32.43 | -23 26.5 | 1.794 | 2.624 | 15.1 | 21.1 |
| 5 11 | 17 26.32 | -29 36.1 | 1.848 | 2.753 | 11.4 | 20.2 | 5 11 | 17 27.86 | -23 34.5 | 1.688 | 2.599 | 11.9 | 20.8 |
| 5 21 | 17 19.25 | -29 53.8 | 1.775 | 2.739 | 8.0 | 20.0 | 5 21 | 17 20.47 | -23 40.6 | 1.603 | 2.574 | 8.0 | 20.5 |
| 5 31 | 17 10.17 | -30 3.4 | 1.726 | 2.726 | 4.4 | 19.7 | 5 31 | 17 10.81 | -23 43.4 | 1.542 | 2.548 | 3.6 | 20.2 |
| 6 10 | 17 0.06 | -30 3.3 | 1.703 | 2.713 | 2.9 | 19.6 | 6 10 | 16 59.86 | -23 42.1 | 1.508 | 2.522 | 1.3 | 20.0 |
| 6 20 | 16 50.07 | -29 53.7 | 1.708 | 2.700 | 5.9 | 19.8 | 6 20 | 16 48.85 | -23 37.1 | 1.501 | 2.496 | 6.1 | 20.2 |
| 6 30 | 16 41.39 | -29 36.7 | 1.738 | 2.686 | 9.7 | 20.0 | 6 30 | 16 39.08 | -23 30.3 | 1.519 | 2.469 | 10.7 | 20.4 |
| 7 10 | 16 34.92 | -29 16.1 | 1.791 | 2.673 | 13.3 | 20.2 | 7 10 | 16 31.63 | -23 24.4 | 1.560 | 2.441 | 14.9 | 20.6 |
| 240223 | 2002 <i>TC</i> ₂₁ | | 6 7.4 312°23 | 2°0/ 6.9 | 17 | | 196489 | 2003 <i>KC</i> ₁₄ | | 6 7.4 315°41 | 19°2/ 19.6 | 17 | |
| 5 1 | 17 26.65 | -19 12.4 | 1.731 | 2.574 | 15.0 | 20.7 | 5 1 | 17 24.81 | +16 16.1 | 1.575 | 2.329 | 20.1 | 19.2 |
| 5 11 | 17 23.18 | -18 51.0 | 1.637 | 2.556 | 11.8 | 20.4 | 5 11 | 17 22.07 | +19 34.7 | 1.507 | 2.298 | 19.4 | 19.1 |
| 5 21 | 17 17.20 | -18 28.7 | 1.564 | 2.538 | 7.9 | 20.2 | 5 21 | 17 16.68 | +22 34.3 | 1.457 | 2.267 | 19.2 | 19.0 |
| 5 31 | 17 9.28 | -18 6.7 | 1.515 | 2.521 | 3.8 | 19.9 | 5 31 | 17 9.16 | +25 1.5 | 1.426 | 2.237 | 19.6 | 18.9 |
| 6 10 | 17 0.38 | -17 46.6 | 1.492 | 2.504 | 2.5 | 19.7 | 6 10 | 17 0.45 | +26 45.7 | 1.412 | 2.207 | 20.6 | 18.9 |
| 6 20 | 16 51.60 | -17 30.3 | 1.494 | 2.487 | 6.5 | 19.9 | 6 20 | 16 51.69 | +27 40.9 | 1.413 | 2.178 | 22.0 | 18.9 |
| 6 30 | 16 44.07 | -17 19.9 | 1.521 | 2.471 | 10.8 | 20.2 | 6 30 | 16 44.11 | +27 46.4 | 1.427 | 2.149 | 23.6 | 18.9 |
| 7 10 | 16 38.68 | -17 17.1 | 1.570 | 2.455 | 14.6 | 20.4 | 7 10 | 16 38.74 | +27 6.9 | 1.451 | 2.121 | 25.2 | 19.0 |
| 286270 | 2001 <i>VV</i> ₆₈ | | 6 7.4 219°17 | 6°8/ 8.6 | 18 | | 337979 | 2002 <i>CM</i> ₁₄₄ | | 6 7.4 41°42 | 3°5/ 6.8 | 17 | |
| 5 1 | 17 35.27 | -42 34.8 | 2.533 | 3.298 | 13.0 | 21.6 | 5 1 | 17 28.55 | -16 10.0 | 1.444 | 2.294 | 17.1 | 20.2 |
| 5 11 | 17 29.61 | -43 35.2 | 2.443 | 3.292 | 11.1 | 21.4 | 5 11 | 17 24.60 | -15 41.0 | 1.388 | 2.309 | 13.3 | 20.0 |
| 5 21 | 17 21.34 | -44 25.0 | 2.374 | 3.286 | 9.0 | 21.3 | 5 21 | 17 17.98 | -15 14.9 | 1.353 | 2.326 | 9.0 | 19.8 |
| 5 31 | 17 11.06 | -44 59.4 | 2.330 | 3.280 | 7.3 | 21.1 | 5 31 | 17 9.52 | -14 53.9 | 1.340 | 2.343 | 4.8 | 19.6 |
| 6 10 | 16 59.75 | -45 15.0 | 2.311 | 3.273 | 6.8 | 21.1 | 6 10 | 17 0.41 | -14 40.0 | 1.352 | 2.360 | 3.8 | 19.6 |
| 6 20 | 16 48.56 | -45 10.9 | 2.320 | 3.266 | 7.7 | 21.1 | 6 20 | 16 51.85 | -14 34.9 | 1.389 | 2.378 | 7.3 | 19.8 |
| 6 30 | 16 38.65 | -44 49.4 | 2.354 | 3.259 | 9.6 | 21.3 | 6 30 | 16 44.94 | -14 39.3 | 1.449 | 2.397 | 11.4 | 20.1 |
| 7 10 | 16 30.94 | -44 14.9 | 2.411 | 3.251 | 11.7 | 21.4 | 7 10 | 16 40.44 | -14 53.2 | 1.531 | 2.416 | 15.0 | 20.4 |
| 496440 | 2014 <i>OH</i> ₉₉ | | 6 7.4 167°46 | 3°6/ 8.2 | 17 | | 292108 | 2006 <i>RP</i> ₅₅ | | 6 7.4 200°50 | 1°2/ 7.7 | 17 | |
| 5 1 | 17 36.66 | -31 36.9 | 1.657 | 2.477 | 16.7 | 21.5 | 5 1 | 17 33.97 | -26 4.6 | 2.107 | 2.922 | 13.7 | 22.0 |
| 5 11 | 17 31.14 | -31 51.9 | 1.580 | 2.480 | 13.3 | 21.2 | 5 11 | 17 28.40 | -26 13.6 | 2.016 | 2.918 | 10.7 | 21.8 |
| 5 21 | 17 22.50 | -31 57.3 | 1.522 | 2.483 | 9.3 | 21.0 | 5 21 | 17 20.41 | -26 18.4 | 1.947 | 2.914 | 7.2 | 21.6 |
| 5 31 | 17 11.55 | -31 49.8 | 1.488 | 2.486 | 5.3 | 20.8 | 5 31 | 17 10.63 | -26 17.6 | 1.904 | 2.908 | 3.4 | 21.3 |
| 6 10 | 16 59.61 | -31 27.9 | 1.480 | 2.488 | 3.7 | 20.7 | 6 10 | 17 0.00 | -26 10.5 | 1.889 | 2.902 | 1.5 | 21.2 |
| 6 20 | 16 48.12 | -30 53.3 | 1.499 | 2.490 | 6.7 | 20.9 | 6 20 | 16 49.57 | -25 57.8 | 1.902 | 2.895 | 5.2 | 21.4 |
| 6 30 | 16 38.46 | -30 10.3 | 1.543 | 2.491 | 10.8 | 21.1 | 6 30 | 16 40.40 | -25 41.7 | 1.942 | 2.888 | 9.0 | 21.7 |
| 7 10 | 16 31.57 | -29 25.0 | 1.609 | 2.491 | 14.5 | 21.3 | 7 10 | 16 33.30 | -25 25.0 | 2.007 | 2.880 | 12.4 | 21.9 |
| 423505 | 2005 <i>TG</i> ₁₈₆ | | 6 7.4 339°82 | 1°0/ 7.6 | 17 | | 439418 | 2013 <i></i> | | | | | |

EPHEMERIDES

6 7.4

6 7.4

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 155500 | 1999 <i>EN</i> ₁₂ | | 6 7.4 272°88 | 7.7/ 7.9 | 18 | | 84970 | 2003 <i>YA</i> ₂₃ | | 6 7.4 64°20 | 4°0/ 6.9 | 18 | |
| 5 1 | 17 36.29 | -38 28.2 | 1.801 | 2.601 | 16.3 | 18.6 | 5 1 | 17 30.53 | -13 46.1 | 1.514 | 2.355 | 16.9 | 19.4 |
| 5 11 | 17 31.46 | -39 48.9 | 1.710 | 2.587 | 13.6 | 18.4 | 5 11 | 17 26.21 | -13 31.1 | 1.445 | 2.360 | 13.3 | 19.1 |
| 5 21 | 17 23.20 | -41 1.1 | 1.639 | 2.574 | 10.8 | 18.2 | 5 21 | 17 19.16 | -13 21.6 | 1.396 | 2.365 | 9.2 | 18.9 |
| 5 31 | 17 12.11 | -41 57.4 | 1.591 | 2.561 | 8.4 | 18.0 | 5 31 | 17 10.13 | -13 19.6 | 1.370 | 2.370 | 5.3 | 18.7 |
| 6 10 | 16 59.41 | -42 31.8 | 1.568 | 2.547 | 7.7 | 18.0 | 6 10 | 17 0.24 | -13 26.4 | 1.370 | 2.376 | 4.3 | 18.6 |
| 6 20 | 16 46.68 | -42 41.9 | 1.570 | 2.533 | 9.4 | 18.0 | 6 20 | 16 50.74 | -13 42.4 | 1.394 | 2.381 | 7.6 | 18.9 |
| 6 30 | 16 35.59 | -42 29.7 | 1.597 | 2.519 | 12.2 | 18.2 | 6 30 | 16 42.78 | -14 7.7 | 1.443 | 2.387 | 11.7 | 19.1 |
| 7 10 | 16 27.44 | -42 1.3 | 1.644 | 2.506 | 15.3 | 18.3 | 7 10 | 16 37.25 | -14 41.4 | 1.513 | 2.393 | 15.4 | 19.3 |
| 522740 | 2016 <i>LO</i> ₆₄ | | 6 7.4 303°65 | 4°0/ 6.9 | 17 | | 153308 | 2001 <i>KE</i> ₁₇ | | 6 7.4 358°35 | 4°3/ 6.9 | 17 | |
| 5 1 | 17 28.36 | -12 43.1 | 1.741 | 2.576 | 15.3 | 21.5 | 5 1 | 17 25.66 | -15 55.5 | 0.978 | 1.857 | 21.0 | 19.2 |
| 5 11 | 17 24.37 | -12 33.2 | 1.655 | 2.566 | 12.1 | 21.3 | 5 11 | 17 23.78 | -15 30.8 | 0.916 | 1.854 | 16.6 | 18.9 |
| 5 21 | 17 17.91 | -12 29.3 | 1.590 | 2.556 | 8.5 | 21.0 | 5 21 | 17 18.26 | -15 10.5 | 0.871 | 1.851 | 11.4 | 18.6 |
| 5 31 | 17 9.60 | -12 33.2 | 1.548 | 2.547 | 5.1 | 20.8 | 5 31 | 17 9.93 | -14 57.8 | 0.845 | 1.850 | 6.2 | 18.3 |
| 6 10 | 17 0.36 | -12 46.2 | 1.533 | 2.537 | 4.3 | 20.7 | 6 10 | 17 0.30 | -14 55.6 | 0.840 | 1.850 | 4.7 | 18.3 |
| 6 20 | 16 51.27 | -13 8.7 | 1.543 | 2.528 | 7.2 | 20.9 | 6 20 | 16 51.11 | -15 5.5 | 0.856 | 1.851 | 9.4 | 18.5 |
| 6 30 | 16 43.42 | -13 40.3 | 1.578 | 2.519 | 11.1 | 21.1 | 6 30 | 16 44.05 | -15 27.9 | 0.891 | 1.853 | 14.7 | 18.8 |
| 7 10 | 16 37.66 | -14 20.2 | 1.635 | 2.511 | 14.7 | 21.3 | 7 10 | 16 40.24 | -16 1.9 | 0.945 | 1.857 | 19.5 | 19.1 |
| 166473 | 2002 <i>PL</i> ₁₁₇ | | 6 7.4 342°24 | 0°7/ 7.1 | 18 | | 437529 | 2013 <i>YZ</i> ₁₁₀ | | 6 7.4 301°45 | 16°3/ 6.1 | 18 | |
| 5 1 | 17 25.75 | -25 31.4 | 1.456 | 2.309 | 16.8 | 18.6 | 5 1 | 17 32.27 | +23 0.2 | 1.988 | 2.663 | 18.7 | 20.4 |
| 5 11 | 17 22.88 | -24 32.7 | 1.372 | 2.297 | 13.1 | 18.4 | 5 11 | 17 27.10 | +23 48.1 | 1.915 | 2.648 | 17.8 | 20.3 |
| 5 21 | 17 17.14 | -23 23.3 | 1.309 | 2.287 | 8.7 | 18.1 | 5 21 | 17 19.56 | +24 8.1 | 1.857 | 2.632 | 16.9 | 20.1 |
| 5 31 | 17 9.29 | -22 4.8 | 1.269 | 2.277 | 3.8 | 17.8 | 5 31 | 17 10.27 | +23 52.8 | 1.816 | 2.617 | 16.4 | 20.1 |
| 6 10 | 17 0.49 | -20 41.4 | 1.254 | 2.268 | 1.7 | 17.6 | 6 10 | 17 0.19 | +22 57.7 | 1.793 | 2.602 | 16.3 | 20.0 |
| 6 20 | 16 52.07 | -19 18.9 | 1.264 | 2.260 | 6.8 | 17.9 | 6 20 | 16 50.32 | +21 22.4 | 1.790 | 2.587 | 16.8 | 20.0 |
| 6 30 | 16 45.26 | -18 3.8 | 1.298 | 2.254 | 11.6 | 18.1 | 6 30 | 16 41.71 | +19 10.4 | 1.807 | 2.573 | 17.8 | 20.1 |
| 7 10 | 16 40.97 | -17 1.0 | 1.352 | 2.248 | 15.9 | 18.4 | 7 10 | 16 35.12 | +16 29.2 | 1.842 | 2.559 | 19.1 | 20.1 |
| 3008 | Nojiri | | 6 7.4 137°34 | 0°3/ 7.3 | 18 R | | 422916 | 2002 <i>RT</i> ₂₇₅ | | 6 7.4 293°30 | 1°3/ 7.7 | 17 | |
| 5 1 | 17 27.68 | -22 10.9 | 2.659 | 3.476 | 11.1 | 17.8 | 5 1 | 17 30.57 | -26 5.9 | 1.509 | 2.351 | 16.9 | 21.8 |
| 5 11 | 17 22.89 | -22 4.6 | 2.579 | 3.484 | 8.6 | 17.7 | 5 11 | 17 26.79 | -26 9.3 | 1.419 | 2.337 | 13.3 | 21.6 |
| 5 21 | 17 16.42 | -21 56.5 | 2.522 | 3.491 | 5.6 | 17.5 | 5 21 | 17 19.92 | -26 7.3 | 1.350 | 2.323 | 9.0 | 21.3 |
| 5 31 | 17 8.79 | -21 46.8 | 2.492 | 3.498 | 2.4 | 17.3 | 5 31 | 17 10.60 | -25 58.1 | 1.303 | 2.309 | 4.2 | 21.0 |
| 6 10 | 17 0.69 | -21 35.8 | 2.491 | 3.505 | 0.9 | 17.2 | 6 10 | 17 0.04 | -25 41.3 | 1.281 | 2.295 | 1.8 | 20.8 |
| 6 20 | 16 52.83 | -21 24.4 | 2.519 | 3.512 | 4.2 | 17.4 | 6 20 | 16 49.65 | -25 18.1 | 1.284 | 2.281 | 6.6 | 21.0 |
| 6 30 | 16 45.89 | -21 14.0 | 2.574 | 3.518 | 7.2 | 17.6 | 6 30 | 16 40.86 | -24 52.0 | 1.311 | 2.267 | 11.5 | 21.3 |
| 7 10 | 16 40.43 | -21 5.9 | 2.654 | 3.524 | 9.9 | 17.8 | 7 10 | 16 34.78 | -24 27.3 | 1.360 | 2.254 | 15.9 | 21.5 |
| 401117 | 2011 <i>UF</i> ₂₇₅ | | 6 7.4 103°31 | 3°4/ 5.9 | 17 | | 152441 | 2005 <i>UE</i> ₄₄₉ | | 6 7.4 18°38 | 2°6/ 7.9 | 17 | |
| 5 1 | 17 27.16 | -15 8.6 | 2.402 | 3.223 | 12.0 | 21.2 | 5 1 | 17 28.40 | -27 56.0 | 1.284 | 2.138 | 18.5 | 19.7 |
| 5 11 | 17 22.51 | -14 8.3 | 2.327 | 3.232 | 9.4 | 21.0 | 5 11 | 17 25.31 | -28 14.3 | 1.221 | 2.144 | 14.5 | 19.5 |
| 5 21 | 17 16.16 | -13 8.4 | 2.277 | 3.241 | 6.5 | 20.8 | 5 21 | 17 18.92 | -28 25.5 | 1.177 | 2.151 | 9.9 | 19.3 |
| 5 31 | 17 8.67 | -12 11.8 | 2.253 | 3.249 | 4.0 | 20.7 | 5 31 | 17 10.10 | -28 27.1 | 1.154 | 2.158 | 5.0 | 19.0 |
| 6 10 | 17 0.75 | -11 21.1 | 2.258 | 3.257 | 3.7 | 20.7 | 6 10 | 17 0.27 | -28 18.0 | 1.155 | 2.167 | 2.8 | 18.9 |
| 6 20 | 16 53.14 | -10 38.8 | 2.290 | 3.266 | 6.0 | 20.8 | 6 20 | 16 50.97 | -27 59.9 | 1.180 | 2.177 | 7.0 | 19.2 |
| 6 30 | 16 46.52 | -10 6.9 | 2.349 | 3.274 | 8.7 | 21.0 | 6 30 | 16 43.65 | -27 36.4 | 1.227 | 2.187 | 11.7 | 19.5 |
| 7 10 | 16 41.45 | -9 46.0 | 2.432 | 3.282 | 11.3 | 21.2 | 7 10 | 16 39.26 | -27 12.3 | 1.295 | 2.199 | 15.8 | 19.7 |
| 198149 | 2004 <i>TL</i> ₅₃ | | 6 7.4 193°45 | 1°2/ 7.7 | 18 | | 288009 | 2003 <i>UY</i> ₂₀₃ | | 6 7.4 288°91 | 1°5/ 7.7 | 17 | |
| 5 1 | 17 31.88 | -26 14.4 | 2.310 | 3.124 | 12.7 | 21.5 | 5 1 | 17 29.79 | -26 14.3 | 1.874 | 2.704 | 14.6 | 20.8 |
| 5 11 | 17 26.56 | -26 25.6 | 2.220 | 3.122 | 9.9 | 21.3 | 5 11 | 17 25.56 | -26 28.5 | 1.782 | 2.693 | 11.4 | 20.6 |
| 5 21 | 17 19.09 | -26 32.9 | 2.153 | 3.120 | 6.7 | 21.1 | 5 21 | 17 18.77 | -26 38.7 | 1.712 | 2.682 | 7.8 | 20.4 |
| 5 31 | 17 10.04 | -26 35.1 | 2.113 | 3.117 | 3.2 | 20.9 | 5 31 | 17 10.02 | -26 43.2 | 1.666 | 2.671 | 3.7 | 20.1 |
| 6 10 | 17 0.26 | -26 31.6 | 2.100 | 3.113 | 1.5 | 20.8 | 6 10 | 17 0.29 | -26 41.3 | 1.647 | 2.660 | 1.8 | 19.9 |
| 6 20 | 16 50.68 | -26 22.9 | 2.116 | 3.110 | 4.8 | 21.0 | 6 20 | 16 50.71 | -26 33.3 | 1.654 | 2.649 | 5.7 | 20.2 |
| 6 30 | 16 42.22 | -26 10.8 | 2.160 | 3.105 | 8.3 | 21.2 | 6 30 | 16 42.42 | -26 21.3 | 1.686 | 2.638 | 9.7 | 20.4 |
| 7 10 | 16 35.61 | -25 57.8 | 2.228 | 3.100 | 11.4 | 21.4 | 7 10 | 16 36.32 | -26 8.3 | 1.742 | 2.627 | 13.4 | 20.6 |
| 120117 | 2003 <i>FZ</i> ₈₀ | | 6 7.4 82°12 | 7°2/ 8.5 | 18 | | 355198 | 2006 <i>XY</i> ₂₃ | | 6 7.4 167°49 | 2°4/ 6.8 | 18 | |
| 5 1 | 17 37.09 | -38 8.3 | 1.719 | 2.522 | 16.8 | 20.2 | 5 1 | 17 27.14 | -15 23.9 | 2.611 | 3.429 | 11.3 | 22.2 |
| 5 11 | 17 31.76 | -39 21.1 | 1.652 | 2.533 | 13.9 | 20.0 | 5 11 | 17 22.48 | -15 6.9 | 2.528 | 3.431 | 8.8 | 22.0 |
| 5 21 | 17 23.11 | -40 22.5 | 1.606 | 2.544 | 10.8 | 19.8 | 5 21 | 17 16.18 | -14 51.7 | 2.469 | 3.434 | 6.0 | 21.8 |
| 5 31 | 17 11.93 | -41 5.8 | 1.582 | 2.555 | 8.1 | 19.7 | 5 31 | 17 8.72 | -14 39.5 | 2.436 | 3.436 | 3.3 | 21.6 |
| 6 10 | 16 59.59 | -41 26.5 | 1.584 | 2.566 | 7.3 | 19.7 | 6 10 | 17 0.77 | -14 31.2 | 2.431 | 3.438 | 2.6 | 21.6 |
| 6 20 | 16 47.69 | -41 24.1 | 1.610 | 2.577 | 8.8 | 19.8 | 6 20 | 16 53.02 | -14 27.8 | 2.455 | 3.439 | 5.0 | 21.8 |
| 6 30 | 16 37.72 | -41 2.2 | 1.661 | 2.588 | 11.5 | 20.0 | 6 30 | 16 46.15 | -14 30.0 | 2.506 | 3.441 | 7.8 | 21.9 |
| 7 10 | 16 30.72 | -40 27.6 | 1.733 | 2.599 | 14.4 | 20.2 | 7 10 | 16 40.71 | -14 38.0 | 2.582 | 3.442 | 10.5 | 22.1 |
| 339390 | 2005 <i>BL</i> ₁₆ | | 6 7.4 184°82 | 3°4/ 8.4 | 18 | | 317831 | 2003 <i>SC</i> ₃₂₁ | | 6 7.4 342°05 | 1°1/ 7.3 | 17 | |
| 5 1 | 17 33.33 | -33 50.5 | 2.462 | 3.257 | 12.5 | 21.8 | 5 1 | 17 27.72 | -19 19.6 | 1.561 | 2.408 | 16.2 | 20.1 |
| 5 11 | 17 27.66 | -34 5.3 | 2.373 | 3.257 | 10.1 | 21.6 | 5 11 | 17 24.25 | -19 31.6 | 1.480 | 2.401 | 12.6 | 19.9 |
| 5 21 | 17 19.78 | -34 11.6 | 2.306 | 3.257 | 7.3 | 21.4 | 5 21 | 17 18.04 | -19 45.8 | 1.420 | 2.395 | 8.4 | 19.6 |
| 5 31 | 17 10.32 | -34 7.2 | 2.265 | 3.256 | 4.6 | 21.2 | 5 31 | 17 9.73 | -20 1.7 | 1.382 | 2.389 | 3.8 | 19.3 |
| 6 10 | 17 0.17 | -33 51.1 | 2.253 | 3.254 | 3.5 | 21.2 | 6 10 | 17 0.39 | -20 19.1 | 1.370 | 2.384 | 1.7 | 19.2 |
| 6 20 | 16 50.28 | -33 24.1 | 2.268 | 3.252 | 5.3 | 21.3 | 6 20 | 16 51.26 | -20 37.7 | 1.384 | 2.380 | 6.4 | 19.5 |
| 6 30 | 16 41.60 | -32 48.9 | 2.311 | 3.250 | 8.2 | 21.4 | 6 30 | 16 43.56 | -20 58.1 | 1.421 | 2.376 | 10.9 | 19.7 |
| 7 10 | 16 34.83 | -32 9.4 | 2.379 | 3.247 | 10.9 | 21.6 | 7 10 | 16 38.25 | -21 20.9 | 1.480 | 2.373 | 14.9 | 20.0 |
| 277457 | 2005 <i>UC</i> ₅₁₅ | | 6 7.4 9°23 | 4°9/ 6.9 | 16 | | 162505 | 2000 <i>QP</i> ₄₈ | | 6 7.4 307°3 | | | |

EPHEMERIDES

6 7.4

6 7.4

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|-------------|---------|------|---------------|------------------------|-----------------|--------------|---------------|---------|------|
| 385801 | 2006 CS ₁₈ | | 6 7.4 193°05 | 1°3/ 7.7 17 | | | 245910 | 2006 QV ₁₃₅ | | 6 7.4 272°81 | 0°8/ 7.6 16 | | |
| 5 1 | 17 32.16 | -26 39.8 | 2.280 | 3.093 | 12.9 | 22.9 | 5 1 | 17 28.94 | -25 37.0 | 2.099 | 2.925 | 13.4 | 21.0 |
| 5 11 | 17 26.80 | -26 46.4 | 2.190 | 3.091 | 10.0 | 22.7 | 5 11 | 17 24.54 | -25 36.2 | 2.008 | 2.917 | 10.5 | 20.8 |
| 5 21 | 17 19.27 | -26 48.6 | 2.123 | 3.089 | 6.8 | 22.5 | 5 21 | 17 17.90 | -25 31.2 | 1.940 | 2.909 | 7.0 | 20.6 |
| 5 31 | 17 10.13 | -26 45.1 | 2.083 | 3.086 | 3.2 | 22.3 | 5 31 | 17 9.60 | -25 21.2 | 1.896 | 2.902 | 3.2 | 20.3 |
| 6 10 | 17 0.27 | -26 35.5 | 2.070 | 3.083 | 1.5 | 22.1 | 6 10 | 17 0.52 | -25 6.2 | 1.880 | 2.894 | 1.3 | 20.2 |
| 6 20 | 16 50.63 | -26 20.6 | 2.086 | 3.079 | 4.9 | 22.4 | 6 20 | 16 51.64 | -24 47.3 | 1.891 | 2.886 | 5.1 | 20.4 |
| 6 30 | 16 42.15 | -26 2.4 | 2.129 | 3.075 | 8.4 | 22.6 | 6 30 | 16 43.93 | -24 26.7 | 1.929 | 2.879 | 8.8 | 20.6 |
| 7 10 | 16 35.54 | -25 43.8 | 2.197 | 3.070 | 11.5 | 22.8 | 7 10 | 16 38.14 | -24 7.2 | 1.990 | 2.871 | 12.2 | 20.8 |
| 36303 | 2000 JM ₅₄ | | 6 7.4 309°83 | 0°0/ 7.2 18 | | | 207956 | 1995 DU ₈ | | 6 7.4 246°11 | 3°9/ 6.3 18 | | |
| 5 1 | 17 28.97 | -21 28.6 | 1.209 | 2.071 | 19.0 | 17.8 | 5 1 | 17 28.30 | -11 49.1 | 2.433 | 3.247 | 12.1 | 21.3 |
| 5 11 | 17 26.35 | -21 48.0 | 1.120 | 2.049 | 15.0 | 17.4 | 5 11 | 17 23.64 | -11 19.3 | 2.332 | 3.231 | 9.6 | 21.1 |
| 5 21 | 17 20.14 | -22 8.9 | 1.048 | 2.027 | 10.2 | 17.1 | 5 21 | 17 17.12 | -10 52.8 | 2.255 | 3.214 | 6.9 | 20.9 |
| 5 31 | 17 10.92 | -22 30.2 | 0.998 | 2.006 | 4.5 | 16.7 | 5 31 | 17 9.23 | -10 31.7 | 2.204 | 3.196 | 4.5 | 20.7 |
| 6 10 | 16 59.93 | -22 50.3 | 0.971 | 1.985 | 1.6 | 16.4 | 6 10 | 17 0.65 | -10 17.8 | 2.181 | 3.179 | 4.1 | 20.7 |
| 6 20 | 16 48.86 | -23 8.4 | 0.967 | 1.965 | 7.8 | 16.7 | 6 20 | 16 52.16 | -10 12.5 | 2.186 | 3.160 | 6.3 | 20.8 |
| 6 30 | 16 39.52 | -23 25.6 | 0.984 | 1.946 | 13.6 | 17.0 | 6 30 | 16 44.52 | -10 16.7 | 2.217 | 3.141 | 9.2 | 20.9 |
| 7 10 | 16 33.35 | -23 43.9 | 1.020 | 1.927 | 18.8 | 17.2 | 7 10 | 16 38.40 | -10 30.3 | 2.273 | 3.122 | 12.0 | 21.1 |
| 505999 | 2015 GB ₄₄ | | 6 7.4 124°58 | 0°9/ 7.5 17 | | | 158495 | 2002 EF ₃₉ | | 6 7.4 74°76 | 7°4/ 5.9 17 | | |
| 5 1 | 17 33.24 | -23 45.9 | 2.128 | 2.946 | 13.5 | 21.8 | 5 1 | 17 28.71 | -5 38.1 | 1.743 | 2.565 | 15.8 | 19.4 |
| 5 11 | 17 27.68 | -24 17.6 | 2.053 | 2.958 | 10.5 | 21.6 | 5 11 | 17 24.28 | -4 45.0 | 1.683 | 2.577 | 12.9 | 19.2 |
| 5 21 | 17 19.85 | -24 48.0 | 2.001 | 2.969 | 7.0 | 21.4 | 5 21 | 17 17.62 | -4 2.2 | 1.643 | 2.589 | 10.0 | 19.1 |
| 5 31 | 17 10.39 | -25 15.2 | 1.975 | 2.980 | 3.2 | 21.2 | 5 31 | 17 9.41 | -3 33.8 | 1.627 | 2.601 | 7.8 | 19.0 |
| 6 10 | 17 0.22 | -25 37.7 | 1.977 | 2.991 | 1.4 | 21.0 | 6 10 | 17 0.62 | -3 22.9 | 1.635 | 2.613 | 7.6 | 19.0 |
| 6 20 | 16 50.33 | -25 55.2 | 2.008 | 3.001 | 5.0 | 21.3 | 6 20 | 16 52.24 | -3 30.6 | 1.669 | 2.625 | 9.4 | 19.1 |
| 6 30 | 16 41.70 | -26 8.5 | 2.065 | 3.011 | 8.6 | 21.6 | 6 30 | 16 45.18 | -3 56.1 | 1.726 | 2.637 | 12.1 | 19.3 |
| 7 10 | 16 35.05 | -26 19.4 | 2.147 | 3.021 | 11.7 | 21.8 | 7 10 | 16 40.12 | -4 36.8 | 1.804 | 2.649 | 14.9 | 19.5 |
| 508151 | 2015 FG ₁₅₃ | | 6 7.4 80°74 | 3°1/ 7.9 17 | | | 28342 | 1999 FB ₉ | | 6 7.4 133°76 | 0°6/ 7.6 18 | | |
| 5 1 | 17 31.80 | -29 57.7 | 1.876 | 2.698 | 14.9 | 21.7 | 5 1 | 17 29.53 | -24 30.0 | 2.219 | 3.041 | 12.9 | 18.6 |
| 5 11 | 17 27.10 | -30 28.5 | 1.796 | 2.699 | 11.8 | 21.4 | 5 11 | 17 24.76 | -24 36.6 | 2.138 | 3.045 | 10.0 | 18.4 |
| 5 21 | 17 19.75 | -30 53.2 | 1.737 | 2.700 | 8.2 | 21.2 | 5 21 | 17 17.90 | -24 40.3 | 2.080 | 3.049 | 6.6 | 18.2 |
| 5 31 | 17 10.43 | -31 8.9 | 1.703 | 2.702 | 4.7 | 21.0 | 5 31 | 17 9.56 | -24 40.2 | 2.048 | 3.053 | 3.0 | 18.0 |
| 6 10 | 17 0.19 | -31 13.7 | 1.695 | 2.703 | 3.3 | 20.9 | 6 10 | 17 0.56 | -24 36.3 | 2.043 | 3.057 | 1.1 | 17.8 |
| 6 20 | 16 50.23 | -31 7.7 | 1.714 | 2.704 | 6.1 | 21.1 | 6 20 | 16 51.83 | -24 29.2 | 2.066 | 3.060 | 4.8 | 18.1 |
| 6 30 | 16 41.72 | -30 53.5 | 1.758 | 2.706 | 9.7 | 21.3 | 6 30 | 16 44.23 | -24 20.5 | 2.116 | 3.064 | 8.3 | 18.3 |
| 7 10 | 16 35.53 | -30 34.7 | 1.825 | 2.707 | 13.1 | 21.5 | 7 10 | 16 38.45 | -24 12.4 | 2.190 | 3.067 | 11.4 | 18.5 |
| 123621 | 2000 YK ₂₇ | | 6 7.4 256°25 | 5°2/ 6.5 18 | | | 428030 | 2006 CW ₁ | | 6 7.4 238°23 | 0°9/ 7.3 17 | | |
| 5 1 | 17 26.55 | -6 24.2 | 2.433 | 3.241 | 12.3 | 19.8 | 5 1 | 17 30.12 | -20 25.5 | 1.855 | 2.687 | 14.6 | 21.4 |
| 5 11 | 17 22.18 | -6 7.4 | 2.348 | 3.237 | 10.0 | 19.7 | 5 11 | 17 25.63 | -20 27.0 | 1.772 | 2.685 | 11.4 | 21.2 |
| 5 21 | 17 16.07 | -5 58.6 | 2.285 | 3.232 | 7.6 | 19.5 | 5 21 | 17 18.71 | -20 28.4 | 1.711 | 2.683 | 7.5 | 21.0 |
| 5 31 | 17 8.72 | -5 59.9 | 2.248 | 3.227 | 5.6 | 19.4 | 5 31 | 17 9.98 | -20 29.5 | 1.674 | 2.681 | 3.4 | 20.7 |
| 6 10 | 17 0.80 | -6 12.6 | 2.238 | 3.222 | 5.3 | 19.3 | 6 10 | 17 0.42 | -20 30.4 | 1.665 | 2.678 | 1.5 | 20.5 |
| 6 20 | 16 53.02 | -6 37.0 | 2.254 | 3.217 | 6.9 | 19.4 | 6 20 | 16 51.10 | -20 31.9 | 1.682 | 2.676 | 5.7 | 20.8 |
| 6 30 | 16 46.12 | -7 12.6 | 2.297 | 3.212 | 9.4 | 19.6 | 6 30 | 16 43.06 | -20 35.1 | 1.724 | 2.674 | 9.7 | 21.1 |
| 7 10 | 16 40.68 | -7 57.8 | 2.363 | 3.207 | 11.8 | 19.7 | 7 10 | 16 37.13 | -20 41.4 | 1.790 | 2.671 | 13.3 | 21.3 |
| 230952 | 2004 XM ₈₇ | | 6 7.4 286°92 | 0°1/ 7.4 18 | | | 338533 | 2003 RJ ₂₂ | | 6 7.4 267°67 | 6°6/ 9.4 18 | | |
| 5 1 | 17 29.73 | -22 8.8 | 1.802 | 2.637 | 14.9 | 20.1 | 5 1 | 17 35.25 | -41 16.0 | 2.077 | 2.860 | 15.0 | 20.5 |
| 5 11 | 17 25.50 | -22 15.8 | 1.714 | 2.629 | 11.6 | 19.9 | 5 11 | 17 30.05 | -41 39.0 | 1.976 | 2.842 | 12.6 | 20.3 |
| 5 21 | 17 18.72 | -22 21.8 | 1.648 | 2.621 | 7.7 | 19.6 | 5 21 | 17 21.89 | -41 48.0 | 1.895 | 2.824 | 9.9 | 20.1 |
| 5 31 | 17 10.00 | -22 25.9 | 1.606 | 2.613 | 3.4 | 19.3 | 5 31 | 17 11.45 | -41 38.2 | 1.838 | 2.806 | 7.6 | 19.9 |
| 6 10 | 17 0.33 | -22 28.1 | 1.590 | 2.605 | 1.2 | 19.2 | 6 10 | 16 59.90 | -41 6.7 | 1.806 | 2.788 | 6.6 | 19.8 |
| 6 20 | 16 50.85 | -22 28.6 | 1.601 | 2.597 | 5.7 | 19.5 | 6 20 | 16 48.60 | -40 14.3 | 1.801 | 2.770 | 7.9 | 19.8 |
| 6 30 | 16 42.67 | -22 29.1 | 1.638 | 2.589 | 10.0 | 19.7 | 6 30 | 16 38.87 | -39 5.0 | 1.821 | 2.751 | 10.5 | 20.0 |
| 7 10 | 16 36.68 | -22 31.3 | 1.697 | 2.582 | 13.7 | 19.9 | 7 10 | 16 31.71 | -37 46.0 | 1.864 | 2.732 | 13.5 | 20.1 |
| 82533 | 2001 OB ₆₄ | | 6 7.4 310°09 | 1°8/ 7.2 18 | | | 367931 | 2012 CS ₁₅ | | 6 7.4 54°16 | 4°1/ 6.8 17 | | |
| 5 1 | 17 28.89 | -18 33.9 | 1.482 | 2.330 | 16.8 | 19.1 | 5 1 | 17 30.43 | -15 2.3 | 1.353 | 2.203 | 18.0 | 20.6 |
| 5 11 | 17 25.38 | -18 33.6 | 1.396 | 2.317 | 13.2 | 18.8 | 5 11 | 17 26.32 | -14 33.1 | 1.294 | 2.214 | 14.1 | 20.4 |
| 5 21 | 17 18.93 | -18 35.4 | 1.329 | 2.304 | 8.9 | 18.5 | 5 21 | 17 19.30 | -14 8.0 | 1.254 | 2.226 | 9.7 | 20.2 |
| 5 31 | 17 10.19 | -18 39.5 | 1.286 | 2.292 | 4.2 | 18.2 | 5 31 | 17 10.23 | -13 49.5 | 1.237 | 2.239 | 5.5 | 20.0 |
| 6 10 | 17 0.26 | -18 46.5 | 1.267 | 2.280 | 2.3 | 18.1 | 6 10 | 17 0.37 | -13 39.9 | 1.244 | 2.251 | 4.4 | 19.9 |
| 6 20 | 16 50.46 | -18 56.7 | 1.273 | 2.268 | 7.0 | 18.3 | 6 20 | 16 51.05 | -13 40.6 | 1.276 | 2.264 | 8.0 | 20.2 |
| 6 30 | 16 42.14 | -19 11.2 | 1.303 | 2.256 | 11.8 | 18.6 | 6 30 | 16 43.50 | -13 52.1 | 1.330 | 2.277 | 12.2 | 20.4 |
| 7 10 | 16 36.36 | -19 30.9 | 1.353 | 2.245 | 16.1 | 18.8 | 7 10 | 16 38.54 | -14 14.0 | 1.406 | 2.290 | 16.0 | 20.7 |
| 294226 | 2007 UZ ₂₀ | | 6 7.4 31°21 | 5°5/ 5.4 18 | | | 363401 | 2003 LB ₇ | | 6 7.4 37°69 | 0°0/ 7.5 13 C | | |
| 5 1 | 17 27.06 | -12 29.5 | 1.807 | 2.642 | 14.8 | 19.9 | 5 1 | 17 5.91 | -23 55.9 | 40.586 | 41.396 | 0.8 | 23.0 |
| 5 11 | 17 23.02 | -11 10.8 | 1.737 | 2.646 | 11.8 | 19.7 | 5 11 | 17 5.19 | -23 55.2 | 40.497 | 41.399 | 0.6 | 22.9 |
| 5 21 | 17 16.79 | -9 54.4 | 1.689 | 2.651 | 8.5 | 19.5 | 5 21 | 17 4.40 | -23 54.4 | 40.434 | 41.402 | 0.4 | 22.9 |
| 5 31 | 17 9.05 | -8 44.8 | 1.666 | 2.656 | 6.0 | 19.4 | 5 31 | 17 3.55 | -23 53.4 | 40.399 | 41.404 | 0.2 | 22.9 |
| 6 10 | 17 0.72 | -7 46.6 | 1.669 | 2.661 | 5.9 | 19.4 | 6 10 | 17 2.68 | -23 52.3 | 40.393 | 41.407 | 0.1 | 22.8 |
| 6 20 | 16 52.75 | -7 3.2 | 1.698 | 2.666 | 8.3 | 19.6 | 6 20 | 17 1.81 | -23 51.2 | 40.415 | 41.409 | 0.3 | 22.9 |
| 6 30 | 16 46.06 | -6 36.7 | 1.751 | 2.672 | 11.4 | 19.8 | 6 30 | 17 0.99 | -23 50.0 | 40.467 | 41.412 | 0.5 | 22.9 |
| 7 10 | 16 41.30 | -6 26.8 | 1.825 | 2.678 | 14.4 | 20.0 | 7 10 | 17 0.23 | -23 48.9 | 40.545 | 41.414 | 0.7 | 23.0 |
| 198620 | 2005 AJ ₃₆ | | 6 7.4 102°75 | 0°6/ 7.3 17 | | | 387694 | 2002 UL ₃₀ | | 6 7.4 216°64 | 0°0/ 7.3 17 | | |
| 5 1 | 17 29.25 | -22 35.0 | 1.928 | 2 | | | | | | | | | |

EPHEMERIDES

6 7.4

6 7.5

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|--------------|---------|------|
| 314198 | 2005 <i>KG</i> ₃ | | 6 7.4 93°76 | 1°5/ 7.1 17 | | | 347235 | 2011 <i>JT</i> ₁₀ | | 6 7.5 328°11 | 12°6/ 5.4 17 | | |
| 5 1 | 17 33.18 | -20 6.1 | 1.573 | 2.411 | 16.6 | 21.3 | 5 1 | 17 24.98 | + 3 44.8 | 1.469 | 2.284 | 18.6 | 20.1 |
| 5 11 | 17 28.10 | -19 50.4 | 1.511 | 2.426 | 12.8 | 21.1 | 5 11 | 17 22.18 | + 4 48.2 | 1.390 | 2.264 | 16.4 | 19.9 |
| 5 21 | 17 20.31 | -19 33.8 | 1.469 | 2.442 | 8.5 | 20.9 | 5 21 | 17 16.74 | + 5 32.9 | 1.329 | 2.246 | 14.3 | 19.7 |
| 5 31 | 17 10.63 | -19 17.2 | 1.451 | 2.457 | 3.8 | 20.6 | 5 31 | 17 9.26 | + 5 50.9 | 1.287 | 2.228 | 12.8 | 19.5 |
| 6 10 | 17 0.24 | -19 1.5 | 1.459 | 2.472 | 2.1 | 20.5 | 6 10 | 17 0.71 | + 5 36.5 | 1.266 | 2.211 | 12.8 | 19.5 |
| 6 20 | 16 50.40 | -18 48.5 | 1.493 | 2.487 | 6.4 | 20.8 | 6 20 | 16 52.27 | + 4 47.9 | 1.266 | 2.195 | 14.2 | 19.5 |
| 6 30 | 16 42.23 | -18 40.1 | 1.553 | 2.501 | 10.6 | 21.1 | 6 30 | 16 45.12 | + 3 27.3 | 1.287 | 2.180 | 16.7 | 19.6 |
| 7 10 | 16 36.52 | -18 38.0 | 1.634 | 2.516 | 14.3 | 21.4 | 7 10 | 16 40.24 | + 1 40.8 | 1.326 | 2.166 | 19.5 | 19.8 |
| 207234 | 2005 <i>EH</i> ₁₅₉ | | 6 7.4 254°46 | 2°2/ 7.9 16 | | | 131201 | 2001 <i>DN</i> ₂₇ | | 6 7.5 139°79 | 2°0/ 7.9 17 | | |
| 5 1 | 17 30.54 | -28 40.2 | 2.092 | 2.911 | 13.6 | 20.7 | 5 1 | 17 32.44 | -28 8.0 | 2.185 | 2.998 | 13.3 | 21.1 |
| 5 11 | 17 25.90 | -28 55.3 | 2.000 | 2.904 | 10.8 | 20.5 | 5 11 | 17 27.09 | -28 25.4 | 2.106 | 3.007 | 10.4 | 20.9 |
| 5 21 | 17 18.88 | -29 4.8 | 1.931 | 2.896 | 7.4 | 20.3 | 5 21 | 17 19.50 | -28 37.7 | 2.051 | 3.015 | 7.1 | 20.7 |
| 5 31 | 17 10.07 | -29 7.0 | 1.886 | 2.887 | 3.9 | 20.0 | 5 31 | 17 10.29 | -28 43.1 | 2.021 | 3.022 | 3.7 | 20.5 |
| 6 10 | 17 0.40 | -29 0.8 | 1.868 | 2.879 | 2.4 | 19.9 | 6 10 | 17 0.40 | -28 40.8 | 2.019 | 3.030 | 2.1 | 20.4 |
| 6 20 | 16 50.91 | -28 46.9 | 1.878 | 2.871 | 5.4 | 20.1 | 6 20 | 16 50.82 | -28 31.4 | 2.044 | 3.037 | 5.1 | 20.6 |
| 6 30 | 16 42.64 | -28 27.3 | 1.914 | 2.862 | 9.0 | 20.3 | 6 30 | 16 42.49 | -28 16.9 | 2.097 | 3.043 | 8.5 | 20.8 |
| 7 10 | 16 36.40 | -28 5.5 | 1.974 | 2.854 | 12.3 | 20.5 | 7 10 | 16 36.16 | -28 0.3 | 2.174 | 3.049 | 11.5 | 21.0 |
| 140398 | 2001 <i>TM</i> ₆₇ | | 6 7.4 53°54 | 3°3/ 7.9 18 | | | 508463 | 2016 <i>NL</i> ₄₆ | | 6 7.5 44°34 | 0°6/ 7.6 17 | | |
| 5 1 | 17 30.91 | -30 39.3 | 2.107 | 2.923 | 13.7 | 19.2 | 5 1 | 17 29.69 | -25 26.4 | 1.843 | 2.675 | 14.7 | 21.3 |
| 5 11 | 17 26.17 | -31 17.8 | 2.027 | 2.926 | 10.9 | 19.0 | 5 11 | 17 25.31 | -25 18.0 | 1.765 | 2.677 | 11.4 | 21.1 |
| 5 21 | 17 19.04 | -31 50.8 | 1.969 | 2.929 | 7.7 | 18.9 | 5 21 | 17 18.47 | -25 4.5 | 1.709 | 2.680 | 7.6 | 20.9 |
| 5 31 | 17 10.13 | -32 15.1 | 1.936 | 2.932 | 4.6 | 18.7 | 5 31 | 17 9.88 | -24 45.6 | 1.677 | 2.683 | 3.4 | 20.6 |
| 6 10 | 17 0.41 | -32 28.8 | 1.930 | 2.935 | 3.4 | 18.6 | 6 10 | 17 0.54 | -24 21.8 | 1.672 | 2.686 | 1.2 | 20.4 |
| 6 20 | 16 50.91 | -32 31.8 | 1.951 | 2.939 | 5.7 | 18.8 | 6 20 | 16 51.56 | -23 54.9 | 1.694 | 2.690 | 5.4 | 20.7 |
| 6 30 | 16 42.70 | -32 25.8 | 1.998 | 2.942 | 8.9 | 19.0 | 6 30 | 16 43.96 | -23 27.6 | 1.741 | 2.693 | 9.5 | 21.0 |
| 7 10 | 16 36.55 | -32 14.1 | 2.069 | 2.946 | 12.0 | 19.1 | 7 10 | 16 38.52 | -23 3.2 | 1.811 | 2.696 | 13.0 | 21.2 |
| 417546 | 2006 <i>UQ</i> ₃₅ | | 6 7.4 296°05 | 0°4/ 7.6 16 | | | 166145 | 2002 <i>EH</i> ₅ | | 6 7.5 166°44 | 4°0/ 6.6 17 | | |
| 5 1 | 17 24.75 | -24 50.0 | 3.000 | 3.817 | 10.0 | 22.0 | 5 1 | 17 33.16 | -13 55.5 | 1.817 | 2.641 | 15.2 | 21.4 |
| 5 11 | 17 20.72 | -24 47.6 | 2.890 | 3.795 | 7.8 | 21.9 | 5 11 | 17 27.82 | -13 24.0 | 1.741 | 2.646 | 12.0 | 21.2 |
| 5 21 | 17 15.12 | -24 42.3 | 2.804 | 3.772 | 5.2 | 21.7 | 5 21 | 17 20.06 | -12 55.8 | 1.686 | 2.650 | 8.3 | 21.0 |
| 5 31 | 17 8.36 | -24 34.0 | 2.745 | 3.750 | 2.3 | 21.4 | 5 31 | 17 10.56 | -12 33.0 | 1.656 | 2.654 | 5.0 | 20.8 |
| 6 10 | 17 1.02 | -24 22.6 | 2.714 | 3.728 | 0.9 | 21.3 | 6 10 | 17 0.32 | -12 17.8 | 1.653 | 2.657 | 4.2 | 20.8 |
| 6 20 | 16 53.74 | -24 8.9 | 2.712 | 3.706 | 3.8 | 21.5 | 6 20 | 16 50.41 | -12 11.6 | 1.678 | 2.659 | 7.2 | 21.0 |
| 6 30 | 16 47.17 | -23 54.2 | 2.738 | 3.684 | 6.7 | 21.6 | 6 30 | 16 41.86 | -12 15.5 | 1.727 | 2.661 | 10.8 | 21.2 |
| 7 10 | 16 41.87 | -23 40.0 | 2.789 | 3.662 | 9.3 | 21.8 | 7 10 | 16 35.45 | -12 29.4 | 1.800 | 2.661 | 14.1 | 21.4 |
| 397779 | 2008 <i>HV</i> ₂₃ | | 6 7.4 338°40 | 2°3/ 7.2 18 | | | 150891 | 2001 <i>SQ</i> ₂₇₂ | | 6 7.5 175°02 | 1°3/ 7.7 17 | | |
| 5 1 | 17 28.14 | -14 14.7 | 2.211 | 3.034 | 12.9 | 20.6 | 5 1 | 17 33.07 | -26 27.4 | 2.072 | 2.890 | 13.8 | 21.2 |
| 5 11 | 17 23.69 | -14 32.4 | 2.125 | 3.031 | 10.1 | 20.4 | 5 11 | 17 27.72 | -26 36.6 | 1.988 | 2.892 | 10.8 | 21.0 |
| 5 21 | 17 17.24 | -14 55.3 | 2.062 | 3.028 | 6.9 | 20.2 | 5 21 | 17 20.00 | -26 41.3 | 1.927 | 2.894 | 7.3 | 20.8 |
| 5 31 | 17 9.32 | -15 23.5 | 2.024 | 3.026 | 3.6 | 20.0 | 5 31 | 17 10.55 | -26 40.2 | 1.891 | 2.895 | 3.5 | 20.5 |
| 6 10 | 17 0.70 | -15 56.8 | 2.014 | 3.023 | 2.6 | 19.9 | 6 10 | 17 0.33 | -26 32.6 | 1.883 | 2.896 | 1.6 | 20.4 |
| 6 20 | 16 52.21 | -16 34.4 | 2.032 | 3.021 | 5.4 | 20.1 | 6 20 | 16 50.38 | -26 19.4 | 1.902 | 2.896 | 5.2 | 20.6 |
| 6 30 | 16 44.72 | -17 15.7 | 2.076 | 3.018 | 8.7 | 20.3 | 6 30 | 16 41.73 | -26 2.7 | 1.949 | 2.896 | 8.9 | 20.9 |
| 7 10 | 16 38.90 | -17 59.9 | 2.145 | 3.017 | 11.8 | 20.5 | 7 10 | 16 35.14 | -25 45.6 | 2.019 | 2.895 | 12.2 | 21.1 |
| 5480 | 1989 <i>YK</i> ₈ | | 6 7.5 336°11 | 2°6/ 6.9 18 | | | 229928 | 1997 <i>AB</i> ₂₁ | | 6 7.5 266°52 | 1°4/ 7.1 17 | | |
| 5 1 | 17 26.37 | -15 47.3 | 2.045 | 2.877 | 13.4 | 15.9 | 5 1 | 17 29.38 | -20 1.5 | 1.877 | 2.710 | 14.4 | 21.0 |
| 5 11 | 17 22.47 | -15 39.0 | 1.960 | 2.872 | 10.5 | 15.7 | 5 11 | 17 25.07 | -19 48.8 | 1.789 | 2.702 | 11.2 | 20.8 |
| 5 21 | 17 16.50 | -15 33.5 | 1.898 | 2.867 | 7.2 | 15.5 | 5 21 | 17 18.37 | -19 35.3 | 1.722 | 2.695 | 7.5 | 20.6 |
| 5 31 | 17 9.01 | -15 31.9 | 1.860 | 2.862 | 3.8 | 15.3 | 5 31 | 17 9.88 | -19 21.4 | 1.681 | 2.687 | 3.4 | 20.3 |
| 6 10 | 17 0.81 | -15 35.0 | 1.849 | 2.858 | 2.8 | 15.2 | 6 10 | 17 0.55 | -19 8.3 | 1.666 | 2.679 | 1.9 | 20.2 |
| 6 20 | 16 52.80 | -15 43.5 | 1.865 | 2.854 | 5.8 | 15.4 | 6 20 | 16 51.41 | -18 57.1 | 1.678 | 2.671 | 5.8 | 20.4 |
| 6 30 | 16 45.85 | -15 57.9 | 1.907 | 2.850 | 9.3 | 15.6 | 6 30 | 16 43.51 | -18 49.6 | 1.715 | 2.663 | 9.9 | 20.6 |
| 7 10 | 16 40.67 | -16 18.2 | 1.971 | 2.847 | 12.5 | 15.8 | 7 10 | 16 37.66 | -18 47.4 | 1.775 | 2.655 | 13.5 | 20.8 |
| 431923 | 2008 <i>TL</i> ₉₁ | | 6 7.5 191°85 | 4°9/ 5.8 18 | | | 391089 | 2005 <i>UN</i> ₂₇₆ | | 6 7.5 291°47 | 3°3/ 8.0 18 | | |
| 5 1 | 17 28.72 | -10 58.6 | 2.206 | 3.024 | 13.1 | 21.5 | 5 1 | 17 29.94 | -31 5.8 | 2.263 | 3.075 | 13.0 | 20.6 |
| 5 11 | 17 23.99 | -10 3.8 | 2.124 | 3.023 | 10.4 | 21.3 | 5 11 | 17 25.39 | -31 42.3 | 2.171 | 3.067 | 10.3 | 20.4 |
| 5 21 | 17 17.33 | -9 12.5 | 2.065 | 3.021 | 7.6 | 21.1 | 5 21 | 17 18.54 | -32 13.4 | 2.102 | 3.060 | 7.4 | 20.2 |
| 5 31 | 17 9.32 | -8 27.6 | 2.032 | 3.019 | 5.4 | 21.0 | 5 31 | 17 9.96 | -32 36.3 | 2.058 | 3.053 | 4.5 | 20.0 |
| 6 10 | 17 0.72 | -7 52.3 | 2.026 | 3.017 | 5.1 | 21.0 | 6 10 | 17 0.52 | -32 49.2 | 2.041 | 3.045 | 3.4 | 19.9 |
| 6 20 | 16 52.36 | -7 28.6 | 2.048 | 3.014 | 7.2 | 21.1 | 6 20 | 16 51.20 | -32 51.7 | 2.051 | 3.038 | 5.6 | 20.0 |
| 6 30 | 16 45.04 | -7 17.8 | 2.095 | 3.011 | 10.1 | 21.2 | 6 30 | 16 43.01 | -32 45.2 | 2.088 | 3.031 | 8.7 | 20.2 |
| 7 10 | 16 39.38 | -7 19.8 | 2.165 | 3.008 | 12.8 | 21.4 | 7 10 | 16 36.75 | -32 32.9 | 2.149 | 3.024 | 11.7 | 20.4 |
| 394775 | 2008 <i>GM</i> ₈₂ | | 6 7.5 53°97 | 2°5/ 6.8 17 | | | 153531 | 2001 <i>SH</i> ₆₃ | | 6 7.5 175°32 | 0°9/ 7.7 17 | | |
| 5 1 | 17 26.66 | -16 5.0 | 2.181 | 3.009 | 12.8 | 20.9 | 5 1 | 17 33.22 | -25 22.3 | 2.255 | 3.069 | 13.0 | 20.9 |
| 5 11 | 17 22.43 | -15 45.6 | 2.108 | 3.017 | 10.0 | 20.8 | 5 11 | 17 27.63 | -25 32.6 | 2.170 | 3.071 | 10.1 | 20.7 |
| 5 21 | 17 16.30 | -15 28.2 | 2.057 | 3.025 | 6.8 | 20.6 | 5 21 | 17 19.85 | -25 39.5 | 2.107 | 3.074 | 6.8 | 20.5 |
| 5 31 | 17 8.86 | -15 13.9 | 2.032 | 3.033 | 3.6 | 20.4 | 5 31 | 17 10.47 | -25 41.8 | 2.071 | 3.075 | 3.1 | 20.2 |
| 6 10 | 17 0.89 | -15 4.1 | 2.034 | 3.042 | 2.8 | 20.4 | 6 10 | 17 0.37 | -25 38.9 | 2.063 | 3.076 | 1.3 | 20.1 |
| 6 20 | 16 53.20 | -14 59.8 | 2.063 | 3.050 | 5.5 | 20.5 | 6 20 | 16 50.52 | -25 31.4 | 2.083 | 3.076 | 4.8 | 20.3 |
| 6 30 | 16 46.57 | -15 1.8 | 2.119 | 3.059 | 8.7 | 20.8 | 6 30 | 16 41.84 | -25 21.0 | 2.131 | 3.076 | 8.4 | 20.6 |
| 7 10 | 16 41.61 | -15 10.4 | 2.198 | 3.067 | 11.6 | 21.0 | 7 10 | 16 35.07 | -25 10.2 | 2.203 | 3.075 | 11.5 | 20.8 |
| 242428 | 2004 <i>NP</i> ₁₉ | | 6 7.5 224°71 | 4°9/ 5.9 18 | | | 215676 | 2003 <i>VJ</i> ₁₁ | | 6 7.5 | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|----------|---------|------|---------------|------------------------|-----------------|--------------|------------|---------|------|
| 138077 | 2000 DV ₅₇ | | 6 7.5 151°91 | 0°3/ 7.4 | 17 | | 308586 | 2005 UA ₅₁₅ | | 6 7.5 347°94 | 2°8/ 7.3 | 16 | |
| 5 1 | 17 33.36 | -22 46.8 | 1.995 | 2.816 | 14.1 | 20.8 | 5 1 | 17 27.01 | -14 13.5 | 1.819 | 2.656 | 14.7 | 20.2 |
| 5 11 | 17 27.86 | -22 37.8 | 1.917 | 2.825 | 11.0 | 20.6 | 5 11 | 17 23.28 | -14 26.4 | 1.736 | 2.650 | 11.5 | 20.0 |
| 5 21 | 17 20.02 | -22 25.9 | 1.862 | 2.832 | 7.2 | 20.3 | 5 21 | 17 17.23 | -14 45.5 | 1.675 | 2.645 | 7.9 | 19.8 |
| 5 31 | 17 10.53 | -22 11.1 | 1.833 | 2.839 | 3.2 | 20.1 | 5 31 | 17 9.43 | -15 11.2 | 1.638 | 2.640 | 4.2 | 19.6 |
| 6 10 | 17 0.37 | -21 53.8 | 1.831 | 2.846 | 1.1 | 20.0 | 6 10 | 17 0.78 | -15 43.4 | 1.626 | 2.636 | 3.0 | 19.5 |
| 6 20 | 16 50.56 | -21 35.5 | 1.858 | 2.851 | 5.3 | 20.3 | 6 20 | 16 52.29 | -16 21.5 | 1.642 | 2.632 | 6.2 | 19.7 |
| 6 30 | 16 42.09 | -21 18.3 | 1.911 | 2.857 | 9.1 | 20.5 | 6 30 | 16 44.98 | -17 4.6 | 1.682 | 2.630 | 10.1 | 19.9 |
| 7 10 | 16 35.69 | -21 4.5 | 1.987 | 2.861 | 12.5 | 20.7 | 7 10 | 16 39.65 | -17 51.7 | 1.745 | 2.627 | 13.6 | 20.1 |
| 623 | Chimaera | | 6 7.5 183°83 | 6°3/ 9.5 | 18 | | 177942 | 2005 VP ₁₇ | | 6 7.5 312°87 | 2°7/ 6.8 | 18 | |
| 5 1 | 17 37.80 | -40 23.8 | 1.952 | 2.738 | 15.7 | 15.5 | 5 1 | 17 26.05 | -16 9.1 | 2.011 | 2.845 | 13.6 | 19.8 |
| 5 11 | 17 31.94 | -40 43.7 | 1.869 | 2.739 | 13.0 | 15.3 | 5 11 | 17 22.37 | -15 50.1 | 1.917 | 2.830 | 10.6 | 19.5 |
| 5 21 | 17 23.04 | -40 48.9 | 1.805 | 2.739 | 10.1 | 15.1 | 5 21 | 17 16.55 | -15 32.8 | 1.846 | 2.815 | 7.3 | 19.3 |
| 5 31 | 17 11.93 | -40 34.8 | 1.765 | 2.738 | 7.4 | 14.9 | 5 31 | 17 9.12 | -15 18.8 | 1.799 | 2.801 | 3.9 | 19.1 |
| 6 10 | 16 59.89 | -39 59.2 | 1.751 | 2.737 | 6.3 | 14.9 | 6 10 | 17 0.89 | -15 9.5 | 1.778 | 2.787 | 3.0 | 19.0 |
| 6 20 | 16 48.33 | -39 3.7 | 1.763 | 2.736 | 7.7 | 14.9 | 6 20 | 16 52.77 | -15 6.1 | 1.784 | 2.773 | 6.1 | 19.1 |
| 6 30 | 16 38.58 | -37 53.3 | 1.801 | 2.734 | 10.4 | 15.1 | 6 30 | 16 45.71 | -15 9.8 | 1.816 | 2.759 | 9.7 | 19.3 |
| 7 10 | 16 31.54 | -36 35.6 | 1.863 | 2.732 | 13.4 | 15.3 | 7 10 | 16 40.44 | -15 21.0 | 1.870 | 2.746 | 13.1 | 19.5 |
| 342606 | 2008 UA ₃₂₂ | | 6 7.5 131°88 | 2°9/ 8.1 | 17 | | 101153 | 1998 RP ₇₂ | | 6 7.5 286°56 | 3°1/ 6.3 | 18 | |
| 5 1 | 17 31.50 | -30 12.1 | 1.875 | 2.698 | 14.9 | 21.4 | 5 1 | 17 23.04 | -12 15.2 | 3.116 | 3.931 | 9.7 | 20.1 |
| 5 11 | 17 26.87 | -30 28.4 | 1.794 | 2.698 | 11.8 | 21.2 | 5 11 | 17 19.22 | -11 47.6 | 3.016 | 3.914 | 7.7 | 19.9 |
| 5 21 | 17 19.62 | -30 37.6 | 1.734 | 2.698 | 8.2 | 21.0 | 5 21 | 17 14.05 | -11 22.5 | 2.939 | 3.898 | 5.5 | 19.7 |
| 5 31 | 17 10.44 | -30 37.1 | 1.699 | 2.698 | 4.6 | 20.8 | 5 31 | 17 7.91 | -11 1.5 | 2.890 | 3.882 | 3.6 | 19.6 |
| 6 10 | 17 0.39 | -30 25.9 | 1.689 | 2.698 | 3.0 | 20.7 | 6 10 | 17 1.31 | -10 45.9 | 2.868 | 3.865 | 3.3 | 19.5 |
| 6 20 | 16 50.64 | -30 4.9 | 1.706 | 2.698 | 5.9 | 20.9 | 6 20 | 16 54.80 | -10 36.8 | 2.875 | 3.849 | 5.0 | 19.6 |
| 6 30 | 16 42.35 | -29 37.2 | 1.749 | 2.699 | 9.6 | 21.1 | 6 30 | 16 48.91 | -10 35.0 | 2.909 | 3.833 | 7.3 | 19.8 |
| 7 10 | 16 36.36 | -29 6.9 | 1.815 | 2.699 | 13.0 | 21.3 | 7 10 | 16 44.13 | -10 40.5 | 2.968 | 3.816 | 9.5 | 19.9 |
| 345713 | 2006 WC ₂₇ | | 6 7.5 129°48 | 1°2/ 7.6 | 18 | | 196829 | 2003 SE ₂₃₈ | | 6 7.5 295°52 | 2°0/ 6.9 | 18 | |
| 5 1 | 17 31.19 | -25 8.1 | 2.722 | 3.529 | 11.2 | 21.3 | 5 1 | 17 28.26 | -19 33.6 | 1.772 | 2.611 | 14.9 | 20.4 |
| 5 11 | 17 25.68 | -25 41.3 | 2.643 | 3.541 | 8.7 | 21.1 | 5 11 | 17 24.38 | -19 3.1 | 1.681 | 2.598 | 11.7 | 20.1 |
| 5 21 | 17 18.37 | -26 12.5 | 2.588 | 3.553 | 5.8 | 21.0 | 5 21 | 17 18.03 | -18 30.6 | 1.612 | 2.584 | 7.8 | 19.9 |
| 5 31 | 17 9.78 | -26 40.2 | 2.561 | 3.564 | 2.8 | 20.8 | 5 31 | 17 9.80 | -17 57.7 | 1.566 | 2.571 | 3.8 | 19.6 |
| 6 10 | 17 0.62 | -27 3.2 | 2.562 | 3.575 | 1.4 | 20.7 | 6 10 | 17 0.66 | -17 26.2 | 1.547 | 2.558 | 2.5 | 19.5 |
| 6 20 | 16 51.66 | -27 21.1 | 2.594 | 3.585 | 4.2 | 20.9 | 6 20 | 16 51.70 | -16 58.7 | 1.553 | 2.545 | 6.4 | 19.7 |
| 6 30 | 16 43.65 | -27 34.6 | 2.653 | 3.596 | 7.1 | 21.1 | 6 30 | 16 44.00 | -16 37.7 | 1.585 | 2.532 | 10.6 | 19.9 |
| 7 10 | 16 37.19 | -27 45.1 | 2.738 | 3.605 | 9.7 | 21.3 | 7 10 | 16 38.43 | -16 25.2 | 1.639 | 2.520 | 14.4 | 20.1 |
| 506516 | 2004 RL ₂₀₈ | | 6 7.5 226°73 | 0°4/ 7.6 | 18 | | 10357 | 1993 SL ₃ | | 6 7.5 331°79 | 22°2/ 30.7 | 18 | |
| 5 1 | 17 32.36 | -26 6.4 | 2.357 | 3.169 | 12.5 | 22.0 | 5 1 | 17 39.77 | -54 47.0 | 1.148 | 1.926 | 24.9 | 15.8 |
| 5 11 | 17 26.93 | -25 40.3 | 2.256 | 3.157 | 9.8 | 21.8 | 5 11 | 17 39.69 | -58 38.2 | 1.082 | 1.905 | 23.5 | 15.6 |
| 5 21 | 17 19.38 | -25 8.1 | 2.178 | 3.145 | 6.6 | 21.6 | 5 21 | 17 32.88 | -62 14.5 | 1.033 | 1.886 | 22.5 | 15.4 |
| 5 31 | 17 10.29 | -24 29.4 | 2.126 | 3.131 | 2.9 | 21.3 | 5 31 | 17 18.33 | -65 15.5 | 1.000 | 1.868 | 22.2 | 15.3 |
| 6 10 | 17 0.48 | -23 45.3 | 2.103 | 3.117 | 1.0 | 21.1 | 6 10 | 16 57.18 | -67 21.0 | 0.984 | 1.851 | 22.6 | 15.3 |
| 6 20 | 16 50.86 | -22 58.0 | 2.109 | 3.103 | 4.8 | 21.4 | 6 20 | 16 33.71 | -68 18.7 | 0.982 | 1.835 | 23.7 | 15.3 |
| 6 30 | 16 42.35 | -22 10.7 | 2.143 | 3.087 | 8.4 | 21.6 | 6 30 | 16 14.32 | -68 11.3 | 0.992 | 1.821 | 25.3 | 15.3 |
| 7 10 | 16 35.64 | -21 26.6 | 2.202 | 3.071 | 11.6 | 21.8 | 7 10 | 16 3.80 | -67 15.3 | 1.014 | 1.809 | 27.1 | 15.4 |
| 500100 | 2012 BP ₅₁ | | 6 7.5 119°45 | 1°5/ 7.8 | 17 | | 290887 | 2005 WA ₇₈ | | 6 7.5 302°34 | 0°6/ 7.5 | 18 | |
| 5 1 | 17 34.38 | -27 23.8 | 1.601 | 2.431 | 16.6 | 22.1 | 5 1 | 17 29.51 | -22 39.6 | 2.347 | 3.167 | 12.3 | 20.8 |
| 5 11 | 17 29.28 | -27 19.4 | 1.529 | 2.440 | 13.0 | 21.9 | 5 11 | 17 24.79 | -23 14.1 | 2.258 | 3.164 | 9.6 | 20.6 |
| 5 21 | 17 21.26 | -27 7.9 | 1.479 | 2.448 | 8.8 | 21.7 | 5 21 | 17 18.03 | -23 48.9 | 2.192 | 3.161 | 6.4 | 20.4 |
| 5 31 | 17 11.15 | -26 47.9 | 1.452 | 2.457 | 4.2 | 21.4 | 5 31 | 17 9.74 | -24 22.2 | 2.153 | 3.158 | 2.9 | 20.2 |
| 6 10 | 17 0.20 | -26 19.6 | 1.451 | 2.465 | 1.8 | 21.3 | 6 10 | 17 0.71 | -24 52.8 | 2.141 | 3.155 | 1.1 | 20.0 |
| 6 20 | 16 49.76 | -25 45.3 | 1.477 | 2.472 | 6.1 | 21.6 | 6 20 | 16 51.78 | -25 19.9 | 2.158 | 3.153 | 4.6 | 20.3 |
| 6 30 | 16 41.08 | -25 8.9 | 1.527 | 2.480 | 10.5 | 21.9 | 6 30 | 16 43.85 | -25 43.6 | 2.203 | 3.150 | 8.1 | 20.5 |
| 7 10 | 16 35.02 | -24 34.8 | 1.600 | 2.487 | 14.3 | 22.1 | 7 10 | 16 37.61 | -26 5.1 | 2.272 | 3.147 | 11.1 | 20.7 |
| 292184 | 2006 SP ₂₁ | | 6 7.5 197°04 | 5°2/ 8.9 | 18 | | 154626 | 2003 SP ₃₀₉ | | 6 7.5 242°52 | 1°9/ 6.9 | 17 | |
| 5 1 | 17 32.57 | -38 11.5 | 2.272 | 3.062 | 13.6 | 20.7 | 5 1 | 17 29.33 | -18 56.1 | 2.134 | 2.960 | 13.2 | 21.0 |
| 5 11 | 17 27.47 | -38 37.3 | 2.186 | 3.062 | 11.2 | 20.5 | 5 11 | 17 24.75 | -18 31.8 | 2.040 | 2.949 | 10.3 | 20.8 |
| 5 21 | 17 19.91 | -38 52.0 | 2.122 | 3.061 | 8.5 | 20.3 | 5 21 | 17 18.04 | -18 6.6 | 1.969 | 2.939 | 6.9 | 20.5 |
| 5 31 | 17 10.55 | -38 52.4 | 2.083 | 3.060 | 6.1 | 20.2 | 5 31 | 17 9.75 | -17 41.5 | 1.924 | 2.928 | 3.4 | 20.3 |
| 6 10 | 17 0.40 | -38 36.7 | 2.069 | 3.059 | 5.2 | 20.1 | 6 10 | 17 0.71 | -17 18.0 | 1.906 | 2.917 | 2.2 | 20.2 |
| 6 20 | 16 50.55 | -38 5.5 | 2.083 | 3.058 | 6.6 | 20.2 | 6 20 | 16 51.84 | -16 57.8 | 1.915 | 2.905 | 5.6 | 20.4 |
| 6 30 | 16 42.06 | -37 22.2 | 2.123 | 3.056 | 9.1 | 20.4 | 6 30 | 16 44.04 | -16 42.8 | 1.952 | 2.894 | 9.2 | 20.6 |
| 7 10 | 16 35.73 | -36 31.6 | 2.187 | 3.055 | 11.8 | 20.5 | 7 10 | 16 38.05 | -16 34.3 | 2.011 | 2.881 | 12.5 | 20.8 |
| 259567 | 2003 UJ ₁₇₃ | | 6 7.5 143°39 | 0°9/ 7.2 | 18 | | 68540 | 2001 WR ₉ | | 6 7.5 308°61 | 2°8/ 7.1 | 18 | |
| 5 1 | 17 34.38 | -21 50.4 | 2.018 | 2.837 | 14.1 | 21.4 | 5 1 | 17 27.73 | -14 35.8 | 2.055 | 2.884 | 13.5 | 19.3 |
| 5 11 | 17 28.53 | -21 29.2 | 1.944 | 2.850 | 10.9 | 21.2 | 5 11 | 17 23.57 | -14 35.1 | 1.968 | 2.877 | 10.6 | 19.1 |
| 5 21 | 17 20.39 | -21 5.4 | 1.893 | 2.862 | 7.2 | 21.0 | 5 21 | 17 17.29 | -14 38.6 | 1.902 | 2.870 | 7.3 | 18.9 |
| 5 31 | 17 10.69 | -20 39.1 | 1.868 | 2.873 | 3.2 | 20.8 | 5 31 | 17 9.43 | -14 47.3 | 1.862 | 2.863 | 4.0 | 18.7 |
| 6 10 | 17 0.38 | -20 11.8 | 1.870 | 2.884 | 1.5 | 20.7 | 6 10 | 17 0.82 | -15 1.6 | 1.848 | 2.856 | 3.0 | 18.6 |
| 6 20 | 16 50.49 | -19 45.2 | 1.901 | 2.893 | 5.4 | 20.9 | 6 20 | 16 52.35 | -15 21.7 | 1.862 | 2.850 | 5.9 | 18.8 |
| 6 30 | 16 41.96 | -19 21.8 | 1.959 | 2.902 | 9.1 | 21.2 | 6 30 | 16 44.94 | -15 47.6 | 1.901 | 2.843 | 9.4 | 19.0 |
| 7 10 | 16 35.49 | -19 3.6 | 2.041 | 2.911 | 12.4 | 21.4 | 7 10 | 16 39.31 | -16 19.0 | 1.964 | 2.837 | 12.7 | 19.2 |
| 509728 | 2008 SL ₂₁₁ | | 6 7.5 291°71 | 1°9/ 6.9 | 17 | | 437017 | 2012 TA ₂₇₁ | | 6 7.5 221°28 | 2°7/ 7.9 | 17 | |
| 5 1 | 17 28.51 | -20 4.2 | 1.778 | | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-----------------------|-----------------|--------------|-------------|---------|------|---------------|------------------------|-----------------|--------------|--------------|---------|------|
| 338559 | 2003 SW ₆₁ | | 6 7.5 281°45 | 7°9/ 8.1 18 | | | 243281 | 2008 CE ₈₆ | | 6 7.5 336°03 | 0°6/ 7.4 18 | | |
| 5 1 | 17 36.44 | -40 55.8 | 2.009 | 2.793 | 15.3 | 20.9 | 5 1 | 17 27.45 | -20 50.0 | 2.057 | 2.889 | 13.4 | 20.2 |
| 5 11 | 17 31.53 | -42 6.4 | 1.903 | 2.768 | 13.1 | 20.7 | 5 11 | 17 23.41 | -20 53.0 | 1.972 | 2.885 | 10.4 | 20.0 |
| 5 21 | 17 23.34 | -43 7.5 | 1.818 | 2.742 | 10.6 | 20.5 | 5 21 | 17 17.21 | -20 55.6 | 1.909 | 2.881 | 6.9 | 19.8 |
| 5 31 | 17 12.38 | -43 52.3 | 1.756 | 2.717 | 8.6 | 20.3 | 5 31 | 17 9.42 | -20 57.7 | 1.871 | 2.877 | 3.1 | 19.6 |
| 6 10 | 16 59.77 | -44 15.2 | 1.720 | 2.691 | 7.9 | 20.2 | 6 10 | 17 0.90 | -20 59.5 | 1.860 | 2.874 | 1.3 | 19.4 |
| 6 20 | 16 46.99 | -44 13.7 | 1.708 | 2.664 | 9.3 | 20.2 | 6 20 | 16 52.57 | -21 1.5 | 1.876 | 2.871 | 5.1 | 19.7 |
| 6 30 | 16 35.66 | -43 49.7 | 1.721 | 2.637 | 11.9 | 20.3 | 6 30 | 16 45.36 | -21 4.8 | 1.918 | 2.868 | 8.9 | 19.9 |
| 7 10 | 16 27.07 | -43 9.2 | 1.756 | 2.611 | 14.8 | 20.4 | 7 10 | 16 39.99 | -21 10.6 | 1.984 | 2.865 | 12.2 | 20.1 |
| 236958 | 2007 UT ₃₈ | | 6 7.5 346°21 | 0°9/ 7.6 18 | | | 522561 | 2016 ET ₂₄₃ | | 6 7.5 18°07 | 3°0/ 7.1 17 | | |
| 5 1 | 17 26.24 | -24 18.2 | 1.470 | 2.323 | 16.7 | 19.7 | 5 1 | 17 29.39 | -16 29.9 | 1.306 | 2.161 | 18.3 | 21.1 |
| 5 11 | 17 23.43 | -24 30.2 | 1.390 | 2.314 | 13.1 | 19.4 | 5 11 | 17 25.88 | -16 21.4 | 1.240 | 2.164 | 14.3 | 20.9 |
| 5 21 | 17 17.71 | -24 39.4 | 1.330 | 2.306 | 8.8 | 19.1 | 5 21 | 17 19.30 | -16 16.8 | 1.192 | 2.167 | 9.7 | 20.6 |
| 5 31 | 17 9.76 | -24 44.5 | 1.292 | 2.299 | 4.0 | 18.8 | 5 31 | 17 10.44 | -16 17.5 | 1.166 | 2.171 | 4.9 | 20.3 |
| 6 10 | 17 0.73 | -24 44.9 | 1.278 | 2.292 | 1.5 | 18.6 | 6 10 | 17 0.57 | -16 24.4 | 1.164 | 2.175 | 3.4 | 20.2 |
| 6 20 | 16 51.92 | -24 41.1 | 1.289 | 2.287 | 6.4 | 18.9 | 6 20 | 16 51.10 | -16 38.1 | 1.186 | 2.180 | 7.6 | 20.5 |
| 6 30 | 16 44.66 | -24 35.4 | 1.323 | 2.283 | 11.1 | 19.2 | 6 30 | 16 43.38 | -16 59.0 | 1.231 | 2.185 | 12.3 | 20.8 |
| 7 10 | 16 39.95 | -24 30.6 | 1.378 | 2.280 | 15.3 | 19.4 | 7 10 | 16 38.38 | -17 26.9 | 1.296 | 2.191 | 16.5 | 21.1 |
| 278504 | 2008 AO ₇₄ | | 6 7.5 236°20 | 4°7/ 8.3 17 | | | 231343 | 2006 EF ₃₂ | | 6 7.5 117°40 | 4°7/ 8.8 17 | | |
| 5 1 | 17 35.42 | -33 14.4 | 1.704 | 2.521 | 16.4 | 20.8 | 5 1 | 17 34.33 | -35 43.6 | 1.991 | 2.793 | 14.8 | 20.6 |
| 5 11 | 17 30.51 | -33 48.6 | 1.616 | 2.513 | 13.2 | 20.6 | 5 11 | 17 29.00 | -36 6.8 | 1.915 | 2.802 | 12.0 | 20.4 |
| 5 21 | 17 22.42 | -34 14.0 | 1.548 | 2.505 | 9.6 | 20.4 | 5 21 | 17 20.99 | -36 19.2 | 1.861 | 2.810 | 8.9 | 20.2 |
| 5 31 | 17 11.84 | -34 26.0 | 1.503 | 2.496 | 6.1 | 20.1 | 5 31 | 17 11.07 | -36 17.4 | 1.832 | 2.818 | 5.9 | 20.0 |
| 6 10 | 17 0.02 | -34 21.6 | 1.484 | 2.487 | 4.8 | 20.0 | 6 10 | 17 0.37 | -35 59.8 | 1.828 | 2.826 | 4.7 | 20.0 |
| 6 20 | 16 48.40 | -34 1.0 | 1.491 | 2.478 | 7.3 | 20.2 | 6 20 | 16 50.09 | -35 27.6 | 1.851 | 2.833 | 6.5 | 20.1 |
| 6 30 | 16 38.47 | -33 27.6 | 1.523 | 2.468 | 11.1 | 20.4 | 6 30 | 16 41.39 | -34 44.7 | 1.900 | 2.841 | 9.5 | 20.3 |
| 7 10 | 16 31.30 | -32 47.3 | 1.577 | 2.458 | 14.8 | 20.6 | 7 10 | 16 35.07 | -33 56.3 | 1.973 | 2.848 | 12.5 | 20.5 |
| 441965 | 2010 MS ₃₃ | | 6 7.5 311°78 | 2°9/ 8.1 16 | | | 402438 | 2006 AK ₁₀₁ | | 6 7.5 210°76 | 1°8/ 7.1 16 | | |
| 5 1 | 17 28.33 | -30 3.1 | 1.961 | 2.786 | 14.2 | 21.2 | 5 1 | 17 34.10 | -19 23.8 | 1.657 | 2.489 | 16.1 | 22.2 |
| 5 11 | 17 24.58 | -30 21.6 | 1.860 | 2.765 | 11.3 | 21.0 | 5 11 | 17 29.07 | -19 9.2 | 1.571 | 2.484 | 12.6 | 22.0 |
| 5 21 | 17 18.29 | -30 34.0 | 1.779 | 2.744 | 8.0 | 20.7 | 5 21 | 17 21.23 | -18 54.1 | 1.507 | 2.478 | 8.5 | 21.7 |
| 5 31 | 17 10.00 | -30 37.6 | 1.723 | 2.723 | 4.5 | 20.4 | 5 31 | 17 11.27 | -18 39.1 | 1.466 | 2.472 | 4.0 | 21.5 |
| 6 10 | 17 0.65 | -30 31.2 | 1.693 | 2.702 | 3.0 | 20.3 | 6 10 | 17 0.28 | -18 25.2 | 1.452 | 2.465 | 2.3 | 21.3 |
| 6 20 | 16 51.37 | -30 14.9 | 1.689 | 2.682 | 5.9 | 20.4 | 6 20 | 16 49.52 | -18 14.0 | 1.465 | 2.457 | 6.6 | 21.6 |
| 6 30 | 16 43.29 | -29 51.1 | 1.711 | 2.662 | 9.7 | 20.6 | 6 30 | 16 40.25 | -18 7.5 | 1.503 | 2.449 | 11.1 | 21.8 |
| 7 10 | 16 37.36 | -29 23.7 | 1.755 | 2.642 | 13.3 | 20.8 | 7 10 | 16 33.40 | -18 7.4 | 1.563 | 2.441 | 15.1 | 22.0 |
| 362809 | 2011 YF ₁₈ | | 6 7.5 231°96 | 1°4/ 7.1 18 | | | 130725 | 2000 SJ ₂₁₈ | | 6 7.5 317°32 | 2°9/ 7.3 18 | | |
| 5 1 | 17 27.15 | -18 7.7 | 2.796 | 3.612 | 10.7 | 21.6 | 5 1 | 17 29.44 | -15 43.6 | 1.260 | 2.117 | 18.7 | 19.4 |
| 5 11 | 17 22.57 | -18 1.8 | 2.698 | 3.602 | 8.3 | 21.4 | 5 11 | 17 26.36 | -15 53.2 | 1.178 | 2.103 | 14.8 | 19.1 |
| 5 21 | 17 16.37 | -17 56.6 | 2.624 | 3.592 | 5.6 | 21.2 | 5 21 | 17 19.97 | -16 9.8 | 1.114 | 2.090 | 10.1 | 18.8 |
| 5 31 | 17 8.98 | -17 52.3 | 2.578 | 3.582 | 2.7 | 21.0 | 5 31 | 17 10.90 | -16 34.2 | 1.072 | 2.077 | 5.1 | 18.5 |
| 6 10 | 17 1.03 | -17 49.7 | 2.560 | 3.571 | 1.7 | 20.9 | 6 10 | 17 0.37 | -17 6.3 | 1.053 | 2.065 | 3.3 | 18.3 |
| 6 20 | 16 53.19 | -17 49.2 | 2.570 | 3.560 | 4.4 | 21.1 | 6 20 | 16 49.93 | -17 45.3 | 1.058 | 2.053 | 8.0 | 18.5 |
| 6 30 | 16 46.12 | -17 51.6 | 2.609 | 3.549 | 7.3 | 21.3 | 6 30 | 16 41.15 | -18 30.1 | 1.085 | 2.042 | 13.2 | 18.8 |
| 7 10 | 16 40.39 | -17 57.7 | 2.673 | 3.537 | 10.0 | 21.4 | 7 10 | 16 35.26 | -19 19.9 | 1.132 | 2.032 | 17.9 | 19.0 |
| 507134 | 2009 VS ₂₃ | | 6 7.5 322°23 | 4°6/ 7.3 17 | | | 3913 | Chemin | | 6 7.5 32°99 | 21°3/ 9.6 18 | | |
| 5 1 | 17 31.46 | -27 25.1 | 1.390 | 2.235 | 17.9 | 20.0 | 5 1 | 17 27.42 | +19 6.4 | 1.141 | 1.909 | 25.5 | 15.7 |
| 5 11 | 17 28.25 | -28 50.3 | 1.299 | 2.216 | 14.4 | 19.7 | 5 11 | 17 24.21 | +20 59.5 | 1.119 | 1.926 | 23.9 | 15.6 |
| 5 21 | 17 21.49 | -30 17.9 | 1.228 | 2.197 | 10.2 | 19.4 | 5 21 | 17 17.98 | +22 11.6 | 1.110 | 1.944 | 22.5 | 15.5 |
| 5 31 | 17 11.69 | -31 41.5 | 1.179 | 2.179 | 6.1 | 19.1 | 5 31 | 17 9.74 | +22 33.1 | 1.114 | 1.963 | 21.6 | 15.5 |
| 6 10 | 17 0.02 | -32 54.5 | 1.155 | 2.162 | 4.8 | 19.0 | 6 10 | 17 0.87 | +22 0.1 | 1.132 | 1.984 | 21.3 | 15.6 |
| 6 20 | 16 48.13 | -33 51.8 | 1.155 | 2.145 | 8.4 | 19.2 | 6 20 | 16 52.77 | +20 35.5 | 1.166 | 2.005 | 21.6 | 15.7 |
| 6 30 | 16 37.85 | -34 32.2 | 1.179 | 2.129 | 13.1 | 19.4 | 6 30 | 16 46.60 | +18 27.2 | 1.214 | 2.028 | 22.4 | 15.8 |
| 7 10 | 16 30.66 | -34 59.0 | 1.222 | 2.115 | 17.4 | 19.6 | 7 10 | 16 43.11 | +15 47.4 | 1.278 | 2.051 | 23.5 | 16.0 |
| 139892 | 2001 RK ₉₃ | | 6 7.5 283°34 | 0°6/ 7.6 18 | | | 65141 | 2002 CL ₁₀₈ | | 6 7.5 332°81 | 10°4/ 3.9 18 | | |
| 5 1 | 17 28.88 | -24 18.7 | 2.091 | 2.918 | 13.4 | 20.2 | 5 1 | 17 24.95 | + 7 26.6 | 2.301 | 3.067 | 14.1 | 18.4 |
| 5 11 | 17 24.58 | -24 24.9 | 1.999 | 2.909 | 10.4 | 20.0 | 5 11 | 17 21.07 | + 8 39.7 | 2.233 | 3.065 | 12.6 | 18.3 |
| 5 21 | 17 18.04 | -24 28.3 | 1.929 | 2.900 | 7.0 | 19.8 | 5 21 | 17 15.45 | + 9 38.0 | 2.187 | 3.062 | 11.3 | 18.2 |
| 5 31 | 17 9.81 | -24 28.2 | 1.885 | 2.891 | 3.1 | 19.5 | 5 31 | 17 8.60 | +10 16.1 | 2.162 | 3.060 | 10.5 | 18.2 |
| 6 10 | 17 0.77 | -24 24.2 | 1.867 | 2.881 | 1.1 | 19.3 | 6 10 | 17 1.23 | +10 30.8 | 2.160 | 3.058 | 10.6 | 18.2 |
| 6 20 | 16 51.88 | -24 16.9 | 1.877 | 2.872 | 5.1 | 19.6 | 6 20 | 16 54.06 | +10 20.8 | 2.182 | 3.056 | 11.5 | 18.2 |
| 6 30 | 16 44.11 | -24 8.1 | 1.913 | 2.863 | 8.9 | 19.8 | 6 30 | 16 47.81 | + 9 47.0 | 2.225 | 3.054 | 13.0 | 18.3 |
| 7 10 | 16 38.26 | -24 0.0 | 1.973 | 2.854 | 12.3 | 20.0 | 7 10 | 16 43.05 | + 8 52.8 | 2.287 | 3.052 | 14.6 | 18.4 |
| 468642 | 2008 TM ₆ | | 6 7.5 264°48 | 4°3/ 7.9 18 | | | 434694 | 2006 BR ₁₃₆ | | 6 7.5 170°15 | 0°3/ 7.4 17 | | |
| 5 1 | 17 35.55 | -32 53.1 | 2.218 | 3.018 | 13.6 | 21.4 | 5 1 | 17 31.36 | -21 55.1 | 2.052 | 2.876 | 13.7 | 22.0 |
| 5 11 | 17 30.16 | -33 42.2 | 2.106 | 2.992 | 11.1 | 21.2 | 5 11 | 17 26.39 | -21 56.2 | 1.970 | 2.878 | 10.6 | 21.8 |
| 5 21 | 17 22.05 | -34 26.2 | 2.015 | 2.966 | 8.1 | 21.0 | 5 21 | 17 19.15 | -21 55.8 | 1.910 | 2.880 | 7.0 | 21.6 |
| 5 31 | 17 11.72 | -35 1.0 | 1.950 | 2.939 | 5.4 | 20.7 | 5 31 | 17 10.28 | -21 53.6 | 1.875 | 2.881 | 3.1 | 21.4 |
| 6 10 | 17 0.07 | -35 23.0 | 1.912 | 2.911 | 4.4 | 20.6 | 6 10 | 17 0.67 | -21 49.7 | 1.869 | 2.883 | 1.1 | 21.2 |
| 6 20 | 16 48.27 | -35 30.6 | 1.902 | 2.883 | 6.5 | 20.7 | 6 20 | 16 51.32 | -21 44.9 | 1.889 | 2.884 | 5.2 | 21.5 |
| 6 30 | 16 37.56 | -35 25.1 | 1.919 | 2.854 | 9.8 | 20.8 | 6 30 | 16 43.19 | -21 40.5 | 1.937 | 2.884 | 9.0 | 21.7 |
| 7 10 | 16 28.99 | -35 10.2 | 1.960 | 2.824 | 13.1 | 21.0 | 7 10 | 16 37.01 | -21 38.5 | 2.008 | 2.885 | 12.3 | 22.0 |
| 327198 | 2005 MA ₅₄ | | 6 7.5 287°38 | 0°0/ 7.3 17 | | | 398367 | 2011 SB ₉₁ | | 6 7.5 157°55 | 7°1/ 4.0 18 | | |
| 5 1 | 17 31.92 | -21 2 | | | | | | | | | | | |

EPHEMERIDES

6 7.5

6 7.5

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|--------------|---------|------|
| 512740 | 2016 <i>UH</i> ₂₉ | | 6 7.5 243°08 | 6°5/ 9.5 18 | | | 401252 | 2012 <i>BB</i> ₇₈ | | 6 7.5 256°27 | 1°1/ 7.7 17 | | |
| 5 1 | 17 33.94 | -43 31.8 | 2.593 | 3.355 | 12.8 | 21.8 | 5 1 | 17 34.58 | -26 23.2 | 1.680 | 2.508 | 16.1 | 22.0 |
| 5 11 | 17 28.54 | -44 6.5 | 2.498 | 3.346 | 10.9 | 21.6 | 5 11 | 17 29.80 | -26 17.5 | 1.579 | 2.489 | 12.7 | 21.7 |
| 5 21 | 17 20.68 | -44 29.0 | 2.424 | 3.336 | 8.9 | 21.4 | 5 21 | 17 21.97 | -26 5.6 | 1.499 | 2.469 | 8.7 | 21.4 |
| 5 31 | 17 10.99 | -44 35.3 | 2.374 | 3.326 | 7.1 | 21.3 | 5 31 | 17 11.73 | -25 45.6 | 1.443 | 2.448 | 4.0 | 21.1 |
| 6 10 | 17 0.43 | -44 23.0 | 2.351 | 3.316 | 6.5 | 21.3 | 6 10 | 17 0.19 | -25 17.5 | 1.413 | 2.427 | 1.6 | 20.9 |
| 6 20 | 16 50.08 | -43 52.3 | 2.353 | 3.306 | 7.3 | 21.3 | 6 20 | 16 48.71 | -24 42.6 | 1.409 | 2.405 | 6.4 | 21.1 |
| 6 30 | 16 41.04 | -43 5.9 | 2.382 | 3.295 | 9.2 | 21.4 | 6 30 | 16 38.71 | -24 5.0 | 1.431 | 2.382 | 11.2 | 21.4 |
| 7 10 | 16 34.11 | -42 8.7 | 2.435 | 3.284 | 11.3 | 21.5 | 7 10 | 16 31.28 | -23 29.2 | 1.475 | 2.359 | 15.5 | 21.6 |
| 215868 | Rohrer | | 6 7.5 174°52 | 0°1/ 7.5 17 | | | 305378 | 2008 <i>CC</i> ₁₅ | | 6 7.5 90°01 | 2°4/ 6.9 17 | | |
| 5 1 | 17 32.78 | -23 5.6 | 1.604 | 2.440 | 16.3 | 20.9 | 5 1 | 17 27.75 | -15 50.8 | 2.271 | 3.095 | 12.6 | 21.3 |
| 5 11 | 17 28.12 | -22 59.8 | 1.526 | 2.441 | 12.7 | 20.7 | 5 11 | 17 23.25 | -15 38.0 | 2.196 | 3.103 | 9.8 | 21.1 |
| 5 21 | 17 20.61 | -22 50.9 | 1.469 | 2.442 | 8.5 | 20.5 | 5 21 | 17 16.91 | -15 27.4 | 2.144 | 3.111 | 6.6 | 20.9 |
| 5 31 | 17 11.00 | -22 38.3 | 1.436 | 2.442 | 3.7 | 20.2 | 5 31 | 17 9.26 | -15 20.1 | 2.118 | 3.119 | 3.5 | 20.7 |
| 6 10 | 17 0.44 | -22 22.5 | 1.428 | 2.443 | 1.3 | 20.0 | 6 10 | 17 1.08 | -15 16.9 | 2.119 | 3.127 | 2.7 | 20.7 |
| 6 20 | 16 50.23 | -22 5.1 | 1.447 | 2.443 | 6.2 | 20.3 | 6 20 | 16 53.17 | -15 18.7 | 2.148 | 3.136 | 5.3 | 20.9 |
| 6 30 | 16 41.61 | -21 48.7 | 1.491 | 2.443 | 10.7 | 20.6 | 6 30 | 16 46.28 | -15 25.9 | 2.204 | 3.144 | 8.5 | 21.1 |
| 7 10 | 16 35.49 | -21 36.1 | 1.556 | 2.442 | 14.7 | 20.8 | 7 10 | 16 41.02 | -15 38.9 | 2.284 | 3.151 | 11.3 | 21.3 |
| 519043 | 2010 <i>KG</i> ₃₁ | | 6 7.5 318°36 | 4°3/ 6.8 18 | | | 257773 | 2000 <i>CB</i> ₁₁₁ | | 6 7.5 150°23 | 0°0/ 7.3 17 | | |
| 5 1 | 17 26.76 | -11 2.5 | 1.976 | 2.804 | 14.0 | 20.9 | 5 1 | 17 34.03 | -23 17.2 | 2.003 | 2.822 | 14.2 | 22.5 |
| 5 11 | 17 22.93 | -10 51.4 | 1.887 | 2.793 | 11.2 | 20.7 | 5 11 | 17 28.44 | -23 15.1 | 1.926 | 2.831 | 11.0 | 22.3 |
| 5 21 | 17 16.95 | -10 46.9 | 1.820 | 2.782 | 8.0 | 20.5 | 5 21 | 17 20.50 | -23 10.2 | 1.871 | 2.840 | 7.3 | 22.1 |
| 5 31 | 17 9.36 | -10 50.8 | 1.777 | 2.771 | 5.1 | 20.3 | 5 31 | 17 10.88 | -23 1.9 | 1.842 | 2.848 | 3.2 | 21.8 |
| 6 10 | 17 0.98 | -11 4.4 | 1.760 | 2.761 | 4.5 | 20.2 | 6 10 | 17 0.57 | -22 50.4 | 1.840 | 2.855 | 1.1 | 21.7 |
| 6 20 | 16 52.72 | -11 28.1 | 1.770 | 2.751 | 6.9 | 20.4 | 6 20 | 16 50.60 | -22 36.8 | 1.867 | 2.861 | 5.2 | 22.0 |
| 6 30 | 16 45.51 | -12 1.6 | 1.805 | 2.741 | 10.2 | 20.5 | 6 30 | 16 41.98 | -22 23.2 | 1.921 | 2.867 | 9.1 | 22.2 |
| 7 10 | 16 40.09 | -12 43.6 | 1.863 | 2.731 | 13.4 | 20.7 | 7 10 | 16 35.44 | -22 11.9 | 1.998 | 2.872 | 12.4 | 22.4 |
| 224438 | 2005 <i>UU</i> ₄₇₇ | | 6 7.5 154°75 | 4°5/ 6.3 17 | | | 277609 | 2006 <i>AS</i> ₇₆ | | 6 7.5 188°33 | 6°7/ 6.5 18 | | |
| 5 1 | 17 30.31 | -11 53.6 | 2.059 | 2.879 | 13.8 | 21.2 | 5 1 | 17 30.04 | -4 1.2 | 2.068 | 2.872 | 14.3 | 20.6 |
| 5 11 | 17 25.36 | -11 13.7 | 1.984 | 2.885 | 10.9 | 21.0 | 5 11 | 17 25.20 | -3 34.0 | 1.990 | 2.872 | 11.8 | 20.4 |
| 5 21 | 17 18.34 | -10 37.8 | 1.931 | 2.890 | 7.8 | 20.8 | 5 21 | 17 18.31 | -3 17.3 | 1.933 | 2.871 | 9.2 | 20.2 |
| 5 31 | 17 9.89 | -10 8.6 | 1.903 | 2.895 | 5.1 | 20.6 | 5 31 | 17 9.93 | -3 14.2 | 1.900 | 2.870 | 7.2 | 20.1 |
| 6 10 | 17 0.83 | -9 48.3 | 1.903 | 2.900 | 4.7 | 20.6 | 6 10 | 17 0.88 | -3 26.9 | 1.893 | 2.869 | 6.9 | 20.1 |
| 6 20 | 16 52.08 | -9 38.5 | 1.930 | 2.904 | 7.0 | 20.8 | 6 20 | 16 52.05 | -3 55.5 | 1.913 | 2.867 | 8.5 | 20.2 |
| 6 30 | 16 44.47 | -9 40.1 | 1.982 | 2.908 | 10.1 | 21.0 | 6 30 | 16 44.29 | -4 39.1 | 1.957 | 2.865 | 11.1 | 20.3 |
| 7 10 | 16 38.68 | -9 52.5 | 2.058 | 2.911 | 13.0 | 21.1 | 7 10 | 16 38.29 | -5 35.2 | 2.025 | 2.863 | 13.7 | 20.5 |
| 343810 | 2011 <i>HA</i> ₃ | | 6 7.5 282°46 | 2°8/ 7.3 18 | | | 246086 | 2006 <i>YQ</i> ₃₃ | | 6 7.5 10°02 | 0°8/ 7.4 18 | | |
| 5 1 | 17 31.08 | -14 4.7 | 1.818 | 2.646 | 15.0 | 20.2 | 5 1 | 17 27.97 | -18 59.9 | 1.980 | 2.813 | 13.8 | 19.7 |
| 5 11 | 17 26.63 | -14 20.0 | 1.722 | 2.631 | 11.9 | 20.0 | 5 11 | 17 23.87 | -19 20.3 | 1.901 | 2.814 | 10.7 | 19.5 |
| 5 21 | 17 19.63 | -14 42.1 | 1.647 | 2.615 | 8.2 | 19.7 | 5 21 | 17 17.57 | -19 42.8 | 1.844 | 2.816 | 7.1 | 19.3 |
| 5 31 | 17 10.63 | -15 11.5 | 1.597 | 2.599 | 4.4 | 19.5 | 5 31 | 17 9.65 | -20 6.9 | 1.812 | 2.818 | 3.2 | 19.1 |
| 6 10 | 17 0.54 | -15 47.8 | 1.574 | 2.583 | 3.1 | 19.4 | 6 10 | 17 0.98 | -20 31.8 | 1.807 | 2.821 | 1.4 | 18.9 |
| 6 20 | 16 50.45 | -16 30.1 | 1.577 | 2.567 | 6.5 | 19.5 | 6 20 | 16 52.51 | -20 57.2 | 1.829 | 2.824 | 5.2 | 19.2 |
| 6 30 | 16 41.52 | -17 17.6 | 1.607 | 2.552 | 10.6 | 19.7 | 6 30 | 16 45.21 | -21 23.1 | 1.878 | 2.828 | 9.0 | 19.4 |
| 7 10 | 16 34.68 | -18 9.1 | 1.659 | 2.536 | 14.4 | 19.9 | 7 10 | 16 39.80 | -21 49.8 | 1.949 | 2.832 | 12.3 | 19.6 |
| 46683 | 1997 <i>AK</i> ₈ | | 6 7.5 32°20 | 3°3/ 7.1 17 | | | 28397 | Forrestbetton | | 6 7.5 212°33 | 4°3/ 6.5 18 | | |
| 5 1 | 17 28.78 | -16 50.2 | 1.157 | 2.021 | 19.5 | 18.8 | 5 1 | 17 31.52 | -14 1.1 | 1.745 | 2.575 | 15.5 | 19.0 |
| 5 11 | 17 25.54 | -16 31.6 | 1.104 | 2.033 | 15.2 | 18.6 | 5 11 | 17 26.82 | -13 19.9 | 1.662 | 2.571 | 12.2 | 18.8 |
| 5 21 | 17 19.08 | -16 16.6 | 1.070 | 2.047 | 10.2 | 18.4 | 5 21 | 17 19.63 | -12 41.2 | 1.601 | 2.566 | 8.6 | 18.6 |
| 5 31 | 17 10.33 | -16 6.9 | 1.056 | 2.061 | 5.2 | 18.1 | 5 31 | 17 10.58 | -12 7.7 | 1.564 | 2.561 | 5.3 | 18.3 |
| 6 10 | 17 0.71 | -16 4.4 | 1.066 | 2.076 | 3.7 | 18.1 | 6 10 | 17 0.67 | -11 42.2 | 1.553 | 2.555 | 4.6 | 18.3 |
| 6 20 | 16 51.72 | -16 9.9 | 1.098 | 2.093 | 7.9 | 18.4 | 6 20 | 16 51.02 | -11 27.1 | 1.568 | 2.549 | 7.6 | 18.5 |
| 6 30 | 16 44.72 | -16 24.3 | 1.153 | 2.110 | 12.7 | 18.7 | 6 30 | 16 42.69 | -11 23.9 | 1.609 | 2.543 | 11.4 | 18.7 |
| 7 10 | 16 40.58 | -16 47.2 | 1.228 | 2.127 | 16.8 | 19.0 | 7 10 | 16 36.53 | -11 32.6 | 1.671 | 2.536 | 14.9 | 18.9 |
| 474479 | 2003 <i>SA</i> ₂₇₆ | | 6 7.5 230°24 | 2°0/ 7.9 16 | | | 312668 | 2010 <i>LJ</i> ₅₇ | | 6 7.5 333°37 | 14°4/ 5.6 18 | | |
| 5 1 | 17 31.39 | -28 34.4 | 2.178 | 2.994 | 13.3 | 22.1 | 5 1 | 17 27.10 | +16 7.8 | 1.938 | 2.669 | 17.5 | 19.4 |
| 5 11 | 17 26.51 | -28 43.4 | 2.085 | 2.986 | 10.5 | 21.9 | 5 11 | 17 23.18 | +17 2.9 | 1.869 | 2.657 | 16.3 | 19.3 |
| 5 21 | 17 19.31 | -28 46.8 | 2.014 | 2.979 | 7.2 | 21.7 | 5 21 | 17 17.10 | +17 34.1 | 1.816 | 2.646 | 15.2 | 19.1 |
| 5 31 | 17 10.39 | -28 42.8 | 1.969 | 2.971 | 3.7 | 21.5 | 5 31 | 17 9.44 | +17 34.7 | 1.781 | 2.636 | 14.5 | 19.1 |
| 6 10 | 17 0.66 | -28 30.8 | 1.951 | 2.963 | 2.1 | 21.4 | 6 10 | 17 1.05 | +17 0.7 | 1.767 | 2.626 | 14.4 | 19.0 |
| 6 20 | 16 51.12 | -28 11.6 | 1.961 | 2.954 | 5.2 | 21.5 | 6 20 | 16 52.87 | +15 51.8 | 1.773 | 2.617 | 15.1 | 19.1 |
| 6 30 | 16 42.75 | -27 47.6 | 1.998 | 2.945 | 8.7 | 21.7 | 6 30 | 16 45.81 | +14 10.8 | 1.798 | 2.608 | 16.3 | 19.1 |
| 7 10 | 16 36.36 | -27 21.9 | 2.058 | 2.936 | 12.0 | 21.9 | 7 10 | 16 40.60 | +12 4.1 | 1.843 | 2.600 | 17.8 | 19.2 |
| 475586 | 2006 <i>UA</i> ₄₂ | | 6 7.5 261°68 | 0°5/ 7.4 18 | | | 143552 | 2003 <i>ET</i> ₃₇ | | 6 7.5 173°41 | 3°1/ 6.5 18 | | |
| 5 1 | 17 28.26 | -21 57.9 | 2.267 | 3.092 | 12.6 | 22.0 | 5 1 | 17 27.55 | -12 52.5 | 2.771 | 3.582 | 10.9 | 21.0 |
| 5 11 | 17 23.88 | -21 49.8 | 2.173 | 3.082 | 9.8 | 21.8 | 5 11 | 17 22.77 | -12 26.7 | 2.687 | 3.585 | 8.6 | 20.8 |
| 5 21 | 17 17.47 | -21 39.9 | 2.102 | 3.073 | 6.5 | 21.5 | 5 21 | 17 16.45 | -12 3.6 | 2.628 | 3.587 | 6.0 | 20.6 |
| 5 31 | 17 9.56 | -21 28.0 | 2.057 | 3.064 | 2.9 | 21.3 | 5 31 | 17 9.06 | -11 44.9 | 2.595 | 3.589 | 3.8 | 20.5 |
| 6 10 | 17 0.95 | -21 14.8 | 2.040 | 3.054 | 1.1 | 21.1 | 6 10 | 17 1.20 | -11 31.8 | 2.590 | 3.590 | 3.3 | 20.5 |
| 6 20 | 16 52.49 | -21 1.4 | 2.050 | 3.044 | 4.8 | 21.4 | 6 20 | 16 53.53 | -11 25.4 | 2.614 | 3.591 | 5.3 | 20.6 |
| 6 30 | 16 45.04 | -20 49.4 | 2.087 | 3.034 | 8.4 | 21.6 | 6 30 | 16 46.68 | -11 26.2 | 2.666 | 3.591 | 7.8 | 20.8 |
| 7 10 | 16 39.31 | -20 40.5 | 2.148 | 3.024 | 11.6 | 21.8 | 7 10 | 16 41.16 | -11 34.4 | 2.742 | 3.591 | 10.2 | 20.9 |
| 148592 | 2001 <i>RM</i> ₁₇ | | 6 7.5 250°05 | 0°8/ 7.7 18 | | | 494404 | 2016 <i>UF</i> ₅₉ | | 6 7.5 326°35 | 1°2/ 7.0 16 | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|-------------|---------|------|---------------|------------------------|-----------------|--------------|---------------|---------|------|
| 452378 | 2002 AD ₁₄₀ | | 6 7.5 81°96 | 7°6/ 8.5 16 | | | 106093 | 2000 SD ₃₆₆ | | 6 7.5 212°65 | 4°6/ 6.0 18 | | |
| 5 1 | 17 41.32 | -1 9.4 | 1.460 | 2.259 | 19.5 | 21.0 | 5 1 | 17 26.76 | -9 33.7 | 2.485 | 3.298 | 11.9 | 19.9 |
| 5 11 | 17 34.35 | -1 40.9 | 1.407 | 2.286 | 15.9 | 20.8 | 5 11 | 17 22.38 | -8 53.6 | 2.399 | 3.294 | 9.6 | 19.7 |
| 5 21 | 17 24.49 | -2 33.0 | 1.373 | 2.313 | 12.1 | 20.6 | 5 21 | 17 16.31 | -8 18.0 | 2.337 | 3.290 | 7.1 | 19.6 |
| 5 31 | 17 12.62 | -3 46.9 | 1.362 | 2.339 | 8.8 | 20.5 | 5 31 | 17 9.05 | -7 49.5 | 2.301 | 3.286 | 5.1 | 19.4 |
| 6 10 | 17 0.06 | -5 20.5 | 1.378 | 2.365 | 7.6 | 20.5 | 6 10 | 17 1.25 | -7 30.2 | 2.293 | 3.281 | 4.8 | 19.4 |
| 6 20 | 16 48.18 | -7 8.6 | 1.421 | 2.390 | 9.5 | 20.7 | 6 20 | 16 53.62 | -7 21.4 | 2.311 | 3.276 | 6.6 | 19.5 |
| 6 30 | 16 38.17 | -9 5.0 | 1.490 | 2.415 | 12.8 | 20.9 | 6 30 | 16 46.86 | -7 23.9 | 2.356 | 3.272 | 9.1 | 19.6 |
| 7 10 | 16 30.88 | -11 4.0 | 1.582 | 2.440 | 16.0 | 21.2 | 7 10 | 16 41.53 | -7 37.2 | 2.424 | 3.266 | 11.6 | 19.8 |
| 64957 | 2001 YE ₁₃₁ | | 6 7.5 341°40 | 2°0/ 7.8 18 | | | 441367 | 2008 EN ₅ | | 6 7.5 346°66 | 13°0/ 3.6 16 | | |
| 5 1 | 17 29.75 | -27 21.4 | 2.157 | 2.978 | 13.2 | 19.3 | 5 1 | 17 24.49 | +11 7.5 | 1.970 | 2.731 | 16.4 | 20.0 |
| 5 11 | 17 25.26 | -27 51.2 | 2.072 | 2.976 | 10.4 | 19.1 | 5 11 | 17 21.07 | +12 31.4 | 1.907 | 2.726 | 14.9 | 19.9 |
| 5 21 | 17 18.51 | -28 17.5 | 2.009 | 2.975 | 7.1 | 18.9 | 5 21 | 17 15.65 | +13 35.9 | 1.863 | 2.721 | 13.7 | 19.8 |
| 5 31 | 17 10.08 | -28 38.2 | 1.972 | 2.974 | 3.7 | 18.7 | 5 31 | 17 8.80 | +14 14.5 | 1.839 | 2.717 | 13.1 | 19.8 |
| 6 10 | 17 0.86 | -28 51.8 | 1.962 | 2.973 | 2.2 | 18.6 | 6 10 | 17 1.33 | +14 22.9 | 1.836 | 2.713 | 13.2 | 19.8 |
| 6 20 | 16 51.82 | -28 58.3 | 1.979 | 2.972 | 5.1 | 18.8 | 6 20 | 16 54.07 | +14 0.0 | 1.853 | 2.709 | 14.0 | 19.8 |
| 6 30 | 16 43.92 | -28 58.8 | 2.023 | 2.971 | 8.6 | 19.0 | 6 30 | 16 47.88 | +13 7.3 | 1.890 | 2.707 | 15.4 | 19.9 |
| 7 10 | 16 37.95 | -28 55.9 | 2.090 | 2.970 | 11.7 | 19.2 | 7 10 | 16 43.41 | +11 49.6 | 1.945 | 2.704 | 17.0 | 20.0 |
| 443655 | 2015 FP ₇₆ | | 6 7.5 307°19 | 0°5/ 7.4 17 | | | 69374 | 1994 UH ₇ | | 6 7.5 190°34 | 1°7/ 6.9 18 | | |
| 5 1 | 17 29.47 | -20 45.0 | 1.866 | 2.699 | 14.5 | 20.7 | 5 1 | 17 29.84 | -19 41.2 | 2.270 | 3.092 | 12.6 | 19.6 |
| 5 11 | 17 25.26 | -20 54.3 | 1.780 | 2.694 | 11.3 | 20.5 | 5 11 | 17 24.96 | -19 9.3 | 2.184 | 3.091 | 9.8 | 19.4 |
| 5 21 | 17 18.63 | -21 3.9 | 1.716 | 2.689 | 7.5 | 20.3 | 5 21 | 17 18.10 | -18 35.8 | 2.120 | 3.089 | 6.6 | 19.2 |
| 5 31 | 17 10.17 | -21 13.3 | 1.677 | 2.684 | 3.3 | 20.0 | 5 31 | 17 9.85 | -18 1.7 | 2.083 | 3.088 | 3.1 | 19.0 |
| 6 10 | 17 0.83 | -21 22.1 | 1.664 | 2.678 | 1.3 | 19.8 | 6 10 | 17 0.99 | -17 28.7 | 2.075 | 3.086 | 2.1 | 18.9 |
| 6 20 | 16 51.67 | -21 30.6 | 1.678 | 2.674 | 5.6 | 20.1 | 6 20 | 16 52.38 | -16 58.8 | 2.094 | 3.083 | 5.2 | 19.1 |
| 6 30 | 16 43.75 | -21 39.7 | 1.718 | 2.669 | 9.6 | 20.3 | 6 30 | 16 44.83 | -16 34.1 | 2.140 | 3.081 | 8.6 | 19.3 |
| 7 10 | 16 37.91 | -21 50.7 | 1.780 | 2.664 | 13.3 | 20.6 | 7 10 | 16 39.00 | -16 16.1 | 2.211 | 3.077 | 11.7 | 19.5 |
| 425739 | 2011 BB ₉₅ | | 6 7.5 171°22 | 3°2/ 8.3 17 | | | 507007 | 2008 TP ₁₀₁ | | 6 7.5 276°14 | 2°6/ 6.8 17 | | |
| 5 1 | 17 34.30 | -31 13.1 | 1.860 | 2.676 | 15.2 | 21.9 | 5 1 | 17 28.93 | -17 45.2 | 1.847 | 2.681 | 14.6 | 21.8 |
| 5 11 | 17 29.14 | -31 28.2 | 1.779 | 2.678 | 12.1 | 21.7 | 5 11 | 17 24.80 | -17 14.2 | 1.758 | 2.672 | 11.4 | 21.6 |
| 5 21 | 17 21.23 | -31 35.1 | 1.719 | 2.680 | 8.5 | 21.5 | 5 21 | 17 18.29 | -16 43.0 | 1.692 | 2.662 | 7.8 | 21.3 |
| 5 31 | 17 11.30 | -31 31.0 | 1.684 | 2.681 | 4.9 | 21.3 | 5 31 | 17 10.02 | -16 13.3 | 1.649 | 2.653 | 4.0 | 21.1 |
| 6 10 | 17 0.47 | -31 14.7 | 1.674 | 2.682 | 3.3 | 21.2 | 6 10 | 17 0.92 | -15 47.0 | 1.634 | 2.643 | 3.0 | 21.0 |
| 6 20 | 16 49.99 | -30 47.3 | 1.692 | 2.683 | 6.1 | 21.4 | 6 20 | 16 52.00 | -15 26.3 | 1.644 | 2.634 | 6.4 | 21.2 |
| 6 30 | 16 41.06 | -30 12.3 | 1.736 | 2.683 | 9.8 | 21.6 | 6 30 | 16 44.30 | -15 13.2 | 1.680 | 2.624 | 10.3 | 21.4 |
| 7 10 | 16 34.53 | -29 34.5 | 1.802 | 2.683 | 13.2 | 21.8 | 7 10 | 16 38.64 | -15 9.0 | 1.739 | 2.614 | 13.9 | 21.6 |
| 145262 | 2005 JL ₁₃₁ | | 6 7.5 260°24 | 1°1/ 7.7 18 | | | 439665 | 2014 HB ₁₂₂ | | 6 7.5 293°41 | 6°2/ 5.1 17 | | |
| 5 1 | 17 32.61 | -24 33.9 | 1.628 | 2.462 | 16.2 | 20.4 | 5 1 | 17 25.68 | -7 22.3 | 2.229 | 3.046 | 13.0 | 20.8 |
| 5 11 | 17 28.22 | -24 52.4 | 1.541 | 2.454 | 12.7 | 20.1 | 5 11 | 17 21.76 | -6 14.8 | 2.144 | 3.037 | 10.6 | 20.6 |
| 5 21 | 17 20.87 | -25 8.4 | 1.475 | 2.446 | 8.6 | 19.9 | 5 21 | 17 16.01 | -5 12.3 | 2.082 | 3.028 | 8.2 | 20.5 |
| 5 31 | 17 11.25 | -25 20.1 | 1.432 | 2.438 | 4.0 | 19.6 | 5 31 | 17 8.95 | -4 18.9 | 2.046 | 3.020 | 6.5 | 20.3 |
| 6 10 | 17 0.46 | -25 26.1 | 1.416 | 2.430 | 1.6 | 19.4 | 6 10 | 17 1.28 | -3 38.2 | 2.035 | 3.011 | 6.5 | 20.3 |
| 6 20 | 16 49.84 | -25 26.6 | 1.425 | 2.421 | 6.2 | 19.7 | 6 20 | 16 53.79 | -3 12.6 | 2.051 | 3.002 | 8.2 | 20.4 |
| 6 30 | 16 40.73 | -25 23.4 | 1.459 | 2.412 | 10.8 | 19.9 | 6 30 | 16 47.23 | -3 3.2 | 2.091 | 2.994 | 10.7 | 20.6 |
| 7 10 | 16 34.15 | -25 19.5 | 1.515 | 2.404 | 14.9 | 20.1 | 7 10 | 16 42.23 | -3 9.5 | 2.153 | 2.985 | 13.2 | 20.7 |
| 431922 | 2008 TM ₇₅ | | 6 7.5 89°31 | 1°3/ 7.8 17 | | | 186043 | 2001 SA ₁ | | 6 7.5 317°38 | 4°2/ 6.4 17 | | |
| 5 1 | 17 31.19 | -26 0.5 | 1.894 | 2.721 | 14.6 | 21.5 | 5 1 | 17 25.94 | -16 54.1 | 1.345 | 2.204 | 17.6 | 19.8 |
| 5 11 | 17 26.52 | -26 13.8 | 1.817 | 2.726 | 11.4 | 21.3 | 5 11 | 17 23.50 | -16 5.5 | 1.253 | 2.179 | 14.0 | 19.5 |
| 5 21 | 17 19.39 | -26 23.1 | 1.762 | 2.731 | 7.6 | 21.1 | 5 21 | 17 18.02 | -15 15.2 | 1.179 | 2.155 | 9.7 | 19.2 |
| 5 31 | 17 10.47 | -26 26.9 | 1.731 | 2.736 | 3.6 | 20.8 | 5 31 | 17 10.10 | -14 26.6 | 1.128 | 2.131 | 5.5 | 18.9 |
| 6 10 | 17 0.76 | -26 24.5 | 1.727 | 2.741 | 1.7 | 20.7 | 6 10 | 17 0.85 | -13 44.1 | 1.100 | 2.107 | 4.7 | 18.7 |
| 6 20 | 16 51.36 | -26 16.6 | 1.751 | 2.746 | 5.4 | 20.9 | 6 20 | 16 51.63 | -13 11.7 | 1.095 | 2.085 | 8.7 | 18.9 |
| 6 30 | 16 43.34 | -26 5.4 | 1.800 | 2.751 | 9.3 | 21.2 | 6 30 | 16 43.89 | -12 53.3 | 1.112 | 2.063 | 13.7 | 19.1 |
| 7 10 | 16 37.48 | -25 53.5 | 1.872 | 2.755 | 12.7 | 21.4 | 7 10 | 16 38.77 | -12 50.4 | 1.149 | 2.042 | 18.2 | 19.3 |
| 294364 | 2007 VM ₁₀₇ | | 6 7.5 225°25 | 0°3/ 7.4 17 | | | 460272 | 2014 QN ₃₂₄ | | 6 7.5 197°41 | 7°2/ 8.4 17 | | |
| 5 1 | 17 29.17 | -22 31.4 | 2.173 | 2.998 | 13.0 | 21.5 | 5 1 | 17 38.82 | -37 4.6 | 1.605 | 2.412 | 17.6 | 20.9 |
| 5 11 | 17 24.64 | -22 22.8 | 2.086 | 2.995 | 10.1 | 21.3 | 5 11 | 17 33.63 | -38 12.0 | 1.525 | 2.411 | 14.6 | 20.6 |
| 5 21 | 17 18.00 | -22 11.8 | 2.021 | 2.991 | 6.7 | 21.1 | 5 21 | 17 24.80 | -39 9.1 | 1.466 | 2.409 | 11.2 | 20.4 |
| 5 31 | 17 9.83 | -21 58.5 | 1.982 | 2.988 | 2.9 | 20.9 | 5 31 | 17 13.07 | -39 48.6 | 1.429 | 2.407 | 8.2 | 20.3 |
| 6 10 | 17 0.97 | -21 43.3 | 1.970 | 2.984 | 1.1 | 20.7 | 6 10 | 16 59.88 | -40 5.3 | 1.417 | 2.405 | 7.2 | 20.2 |
| 6 20 | 16 52.33 | -21 27.6 | 1.986 | 2.981 | 4.9 | 21.0 | 6 20 | 16 46.94 | -39 57.8 | 1.429 | 2.402 | 9.1 | 20.3 |
| 6 30 | 16 44.79 | -21 13.0 | 2.029 | 2.977 | 8.6 | 21.2 | 6 30 | 16 35.98 | -39 29.9 | 1.466 | 2.399 | 12.3 | 20.5 |
| 7 10 | 16 39.05 | -21 1.5 | 2.096 | 2.973 | 11.8 | 21.4 | 7 10 | 16 28.24 | -38 49.0 | 1.524 | 2.396 | 15.7 | 20.7 |
| 410251 | 2007 TE ₉₅ | | 6 7.5 183°66 | 4°8/ 6.3 17 | | | 199751 | 2006 JL ₂₇ | | 6 7.5 356°71 | 4°9/ 5.9 17 | | |
| 5 1 | 17 32.77 | -11 36.4 | 1.978 | 2.795 | 14.4 | 22.1 | 5 1 | 17 26.46 | -14 42.8 | 1.588 | 2.435 | 16.0 | 19.5 |
| 5 11 | 17 27.42 | -10 53.4 | 1.897 | 2.796 | 11.5 | 21.9 | 5 11 | 17 23.07 | -13 34.8 | 1.515 | 2.432 | 12.6 | 19.3 |
| 5 21 | 17 19.83 | -10 14.3 | 1.838 | 2.796 | 8.3 | 21.7 | 5 21 | 17 17.19 | -12 27.5 | 1.462 | 2.430 | 8.9 | 19.1 |
| 5 31 | 17 10.63 | -9 42.1 | 1.805 | 2.795 | 5.5 | 21.6 | 5 31 | 17 9.53 | -11 25.3 | 1.432 | 2.429 | 5.7 | 18.9 |
| 6 10 | 17 0.72 | -9 19.3 | 1.798 | 2.794 | 5.1 | 21.5 | 6 10 | 17 1.10 | -10 32.5 | 1.428 | 2.429 | 5.3 | 18.8 |
| 6 20 | 16 51.07 | -9 7.9 | 1.819 | 2.792 | 7.5 | 21.7 | 6 20 | 16 53.01 | -9 53.2 | 1.449 | 2.429 | 8.3 | 19.0 |
| 6 30 | 16 42.63 | -9 8.8 | 1.866 | 2.789 | 10.7 | 21.9 | 6 30 | 16 46.31 | -9 29.6 | 1.493 | 2.429 | 12.0 | 19.2 |
| 7 10 | 16 36.13 | -9 21.7 | 1.935 | 2.785 | 13.8 | 22.0 | 7 10 | 16 41.78 | -9 22.2 | 1.558 | 2.430 | 15.4 | 19.4 |
| 289588 | 2005 FL ₅ | | 6 7.5 6°84 | 4°6/ 8.2 17 | | | 209824 | 2005 GP ₁₃₃ | | 6 7.5 131°28 | 2°3/ 6.9 18 R | | |
| 5 1 | 17 32.21 | -30 58.2 | 1.320 | 2.164 | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|----------|---------|------|---------------|------------------------|-----------------|--------------|-----------|---------|------|
| 393684 | 2004 RZ ₃₂₇ | | 6 7.5 333°71 | 6°0/ 4.9 | 17 | | 286596 | 2002 CZ ₂₉₁ | | 6 7.5 272°89 | 6°6/ 6.1 | 18 | |
| 5 1 | 17 22.94 | -13 38.0 | 1.603 | 2.455 | 15.6 | 20.1 | 5 1 | 17 27.45 | -2 52.3 | 2.376 | 3.174 | 12.9 | 20.7 |
| 5 11 | 17 20.54 | -12 11.5 | 1.510 | 2.430 | 12.5 | 19.9 | 5 11 | 17 23.12 | -2 23.3 | 2.280 | 3.156 | 10.7 | 20.6 |
| 5 21 | 17 15.68 | -10 43.2 | 1.438 | 2.406 | 9.2 | 19.6 | 5 21 | 17 16.96 | -2 3.7 | 2.206 | 3.138 | 8.6 | 20.4 |
| 5 31 | 17 8.95 | -9 18.4 | 1.390 | 2.383 | 6.5 | 19.4 | 5 31 | 17 9.43 | -1 56.9 | 2.156 | 3.120 | 7.0 | 20.3 |
| 6 10 | 17 1.26 | -8 3.3 | 1.366 | 2.361 | 6.5 | 19.3 | 6 10 | 17 1.20 | -2 5.0 | 2.133 | 3.101 | 6.8 | 20.2 |
| 6 20 | 16 53.70 | -7 3.4 | 1.366 | 2.340 | 9.4 | 19.4 | 6 20 | 16 53.03 | -2 28.9 | 2.136 | 3.083 | 8.2 | 20.3 |
| 6 30 | 16 47.34 | -6 22.8 | 1.390 | 2.320 | 13.1 | 19.6 | 6 30 | 16 45.68 | -3 8.0 | 2.164 | 3.064 | 10.5 | 20.4 |
| 7 10 | 16 43.08 | -6 2.7 | 1.433 | 2.302 | 16.7 | 19.8 | 7 10 | 16 39.82 | -4 0.4 | 2.215 | 3.045 | 13.0 | 20.5 |
| 423722 | 2006 BJ ₉₆ | | 6 7.5 128°54 | 2°9/ 6.8 | 18 | | 474330 | 2002 ED ₉₀ | | 6 7.5 100°01 | 11°0/ 4.3 | 17 | |
| 5 1 | 17 30.95 | -14 58.7 | 2.200 | 3.019 | 13.1 | 21.9 | 5 1 | 17 26.61 | +13 40.8 | 2.595 | 3.317 | 13.8 | 21.1 |
| 5 11 | 17 25.70 | -14 35.5 | 2.129 | 3.032 | 10.2 | 21.7 | 5 11 | 17 22.08 | +14 53.6 | 2.548 | 3.331 | 12.6 | 21.0 |
| 5 21 | 17 18.52 | -14 14.8 | 2.081 | 3.046 | 7.0 | 21.5 | 5 21 | 17 16.00 | +15 48.9 | 2.520 | 3.346 | 11.6 | 20.9 |
| 5 31 | 17 10.00 | -13 57.9 | 2.059 | 3.058 | 3.9 | 21.4 | 5 31 | 17 8.89 | +16 22.2 | 2.514 | 3.360 | 11.0 | 20.9 |
| 6 10 | 17 0.97 | -13 46.2 | 2.065 | 3.071 | 3.2 | 21.3 | 6 10 | 17 1.41 | +16 31.0 | 2.530 | 3.375 | 11.1 | 20.9 |
| 6 20 | 16 52.26 | -13 40.9 | 2.099 | 3.083 | 5.8 | 21.5 | 6 20 | 16 54.21 | +16 15.1 | 2.568 | 3.389 | 11.7 | 21.0 |
| 6 30 | 16 44.68 | -13 42.5 | 2.160 | 3.094 | 8.9 | 21.7 | 6 30 | 16 47.91 | +15 35.9 | 2.627 | 3.402 | 12.6 | 21.1 |
| 7 10 | 16 38.85 | -13 51.5 | 2.244 | 3.105 | 11.8 | 21.9 | 7 10 | 16 43.00 | +14 37.1 | 2.705 | 3.416 | 13.7 | 21.2 |
| 242483 | 2004 TF ₃₀₈ | | 6 7.5 194°56 | 2°5/ 8.3 | 18 | | 436323 | 2010 FS ₁₀₀ | | 6 7.5 40°34 | 0°5/ 7.4 | 17 | |
| 5 1 | 17 33.56 | -31 16.0 | 2.607 | 3.404 | 11.9 | 22.5 | 5 1 | 17 29.53 | -21 40.0 | 1.951 | 2.782 | 14.1 | 21.9 |
| 5 11 | 17 27.81 | -31 26.1 | 2.512 | 3.401 | 9.4 | 22.3 | 5 11 | 17 25.14 | -21 36.3 | 1.870 | 2.782 | 10.9 | 21.7 |
| 5 21 | 17 20.00 | -31 29.5 | 2.441 | 3.397 | 6.6 | 22.1 | 5 21 | 17 18.45 | -21 31.2 | 1.811 | 2.783 | 7.2 | 21.4 |
| 5 31 | 17 10.70 | -31 24.4 | 2.397 | 3.393 | 3.8 | 21.9 | 5 31 | 17 10.10 | -21 24.5 | 1.777 | 2.783 | 3.2 | 21.2 |
| 6 10 | 17 0.73 | -31 10.1 | 2.381 | 3.388 | 2.6 | 21.8 | 6 10 | 17 1.00 | -21 16.6 | 1.770 | 2.784 | 1.2 | 21.0 |
| 6 20 | 16 50.96 | -30 47.2 | 2.394 | 3.382 | 4.8 | 21.9 | 6 20 | 16 52.15 | -21 8.7 | 1.789 | 2.784 | 5.3 | 21.3 |
| 6 30 | 16 42.26 | -30 18.1 | 2.435 | 3.376 | 7.7 | 22.1 | 6 30 | 16 44.54 | -21 2.2 | 1.835 | 2.785 | 9.2 | 21.6 |
| 7 10 | 16 35.31 | -29 46.0 | 2.502 | 3.369 | 10.5 | 22.3 | 7 10 | 16 38.92 | -20 58.9 | 1.904 | 2.785 | 12.6 | 21.8 |
| 346033 | 2007 TS ₃₉₂ | | 6 7.5 206°57 | 0°3/ 7.4 | 18 | | 359542 | 2010 RM ₁₆₂ | | 6 7.5 228°14 | 4°6/ 6.0 | 17 | |
| 5 1 | 17 29.81 | -22 20.5 | 2.694 | 3.507 | 11.1 | 22.3 | 5 1 | 17 26.12 | -9 17.4 | 2.567 | 3.379 | 11.6 | 21.3 |
| 5 11 | 17 24.73 | -22 13.0 | 2.599 | 3.501 | 8.6 | 22.1 | 5 11 | 17 21.86 | -8 37.9 | 2.480 | 3.374 | 9.3 | 21.1 |
| 5 21 | 17 17.88 | -22 3.5 | 2.527 | 3.494 | 5.7 | 21.9 | 5 21 | 17 15.98 | -8 3.0 | 2.417 | 3.368 | 6.9 | 21.0 |
| 5 31 | 17 9.76 | -21 51.9 | 2.482 | 3.487 | 2.5 | 21.7 | 5 31 | 17 8.94 | -7 35.1 | 2.379 | 3.363 | 5.0 | 20.8 |
| 6 10 | 17 1.05 | -21 38.6 | 2.466 | 3.480 | 0.9 | 21.5 | 6 10 | 17 1.38 | -7 16.2 | 2.369 | 3.357 | 4.8 | 20.8 |
| 6 20 | 16 52.49 | -21 24.6 | 2.479 | 3.472 | 4.2 | 21.8 | 6 20 | 16 53.98 | -7 7.8 | 2.387 | 3.351 | 6.5 | 20.9 |
| 6 30 | 16 44.81 | -21 11.2 | 2.520 | 3.463 | 7.4 | 21.9 | 6 30 | 16 47.40 | -7 10.5 | 2.430 | 3.345 | 8.9 | 21.1 |
| 7 10 | 16 38.61 | -21 0.1 | 2.586 | 3.454 | 10.2 | 22.1 | 7 10 | 16 42.20 | -7 23.8 | 2.497 | 3.338 | 11.3 | 21.2 |
| 19649 | 1999 RQ ₁₀₄ | | 6 7.5 276°89 | 3°8/ 6.2 | 18 A | | 20603 | 1999 RT ₁₉₉ | | 6 7.5 210°71 | 0°2/ 7.4 | 18 | |
| 5 1 | 17 26.35 | -13 25.3 | 2.299 | 3.123 | 12.4 | 18.5 | 5 1 | 17 28.26 | -24 8.1 | 2.484 | 3.303 | 11.8 | 19.2 |
| 5 11 | 17 22.25 | -12 40.3 | 2.212 | 3.117 | 9.8 | 18.3 | 5 11 | 17 23.65 | -23 39.7 | 2.395 | 3.301 | 9.1 | 19.0 |
| 5 21 | 17 16.32 | -11 57.2 | 2.149 | 3.111 | 7.0 | 18.1 | 5 21 | 17 17.20 | -23 7.0 | 2.329 | 3.298 | 6.0 | 18.8 |
| 5 31 | 17 9.09 | -11 18.5 | 2.111 | 3.105 | 4.5 | 18.0 | 5 31 | 17 9.48 | -22 30.5 | 2.290 | 3.296 | 2.6 | 18.6 |
| 6 10 | 17 1.28 | -10 46.7 | 2.100 | 3.099 | 4.1 | 17.9 | 6 10 | 17 1.22 | -21 51.5 | 2.279 | 3.293 | 0.9 | 18.4 |
| 6 20 | 16 53.65 | -10 23.7 | 2.116 | 3.093 | 6.3 | 18.1 | 6 20 | 16 53.19 | -21 11.9 | 2.297 | 3.291 | 4.4 | 18.7 |
| 6 30 | 16 46.96 | -10 11.0 | 2.159 | 3.086 | 9.2 | 18.2 | 6 30 | 16 46.16 | -20 34.2 | 2.342 | 3.288 | 7.7 | 18.9 |
| 7 10 | 16 41.84 | -10 8.8 | 2.225 | 3.080 | 12.0 | 18.4 | 7 10 | 16 40.72 | -20 0.8 | 2.412 | 3.285 | 10.6 | 19.1 |
| 512620 | 2016 TM ₃₈ | | 6 7.5 39°46 | 4°3/ 8.6 | 18 | | 165401 | 2000 XA ₃₃ | | 6 7.5 164°61 | 2°7/ 8.1 | 18 | |
| 5 1 | 17 30.89 | -34 59.5 | 2.234 | 3.037 | 13.4 | 21.1 | 5 1 | 17 36.90 | -29 40.2 | 1.967 | 2.777 | 14.7 | 20.8 |
| 5 11 | 17 26.19 | -35 27.8 | 2.151 | 3.038 | 10.8 | 21.0 | 5 11 | 17 30.98 | -30 3.0 | 1.886 | 2.783 | 11.6 | 20.6 |
| 5 21 | 17 19.14 | -35 47.2 | 2.091 | 3.040 | 8.0 | 20.8 | 5 21 | 17 22.39 | -30 19.4 | 1.827 | 2.788 | 8.1 | 20.4 |
| 5 31 | 17 10.38 | -35 54.8 | 2.055 | 3.042 | 5.4 | 20.6 | 5 31 | 17 11.85 | -30 26.6 | 1.794 | 2.793 | 4.4 | 20.2 |
| 6 10 | 17 0.85 | -35 49.1 | 2.046 | 3.044 | 4.3 | 20.6 | 6 10 | 17 0.43 | -30 23.0 | 1.787 | 2.796 | 2.9 | 20.1 |
| 6 20 | 16 51.58 | -35 30.6 | 2.064 | 3.046 | 6.0 | 20.7 | 6 20 | 16 49.34 | -30 9.3 | 1.809 | 2.800 | 5.8 | 20.3 |
| 6 30 | 16 43.60 | -35 1.7 | 2.108 | 3.048 | 8.8 | 20.8 | 6 30 | 16 39.73 | -29 48.1 | 1.857 | 2.802 | 9.4 | 20.5 |
| 7 10 | 16 37.66 | -34 26.8 | 2.176 | 3.050 | 11.6 | 21.0 | 7 10 | 16 32.46 | -29 23.5 | 1.929 | 2.803 | 12.8 | 20.7 |
| 210149 | 2006 SQ ₁₀₇ | | 6 7.5 242°53 | 2°9/ 6.5 | 18 | | 172754 | 2004 DM | | 6 7.5 119°03 | 5°5/ 8.9 | 17 | |
| 5 1 | 17 23.09 | -11 4.6 | 3.594 | 4.400 | 8.7 | 21.0 | 5 1 | 17 33.32 | -37 49.0 | 2.177 | 2.971 | 14.0 | 20.1 |
| 5 11 | 17 19.11 | -10 47.7 | 3.497 | 4.390 | 6.9 | 20.8 | 5 11 | 17 28.25 | -38 27.4 | 2.097 | 2.974 | 11.5 | 19.9 |
| 5 21 | 17 13.97 | -10 33.9 | 3.424 | 4.379 | 5.0 | 20.7 | 5 21 | 17 20.61 | -38 55.4 | 2.038 | 2.977 | 8.8 | 19.7 |
| 5 31 | 17 8.00 | -10 24.5 | 3.379 | 4.369 | 3.3 | 20.6 | 5 31 | 17 11.07 | -39 9.0 | 2.004 | 2.980 | 6.4 | 19.6 |
| 6 10 | 17 1.65 | -10 20.3 | 3.363 | 4.358 | 3.0 | 20.5 | 6 10 | 17 0.68 | -39 6.0 | 1.995 | 2.983 | 5.5 | 19.5 |
| 6 20 | 16 55.38 | -10 21.9 | 3.375 | 4.347 | 4.4 | 20.6 | 6 20 | 16 50.60 | -38 46.7 | 2.014 | 2.986 | 6.9 | 19.6 |
| 6 30 | 16 49.66 | -10 29.7 | 3.415 | 4.336 | 6.4 | 20.7 | 6 30 | 16 41.92 | -38 14.0 | 2.057 | 2.989 | 9.4 | 19.8 |
| 7 10 | 16 44.89 | -10 43.6 | 3.480 | 4.324 | 8.4 | 20.9 | 7 10 | 16 35.50 | -37 32.9 | 2.125 | 2.992 | 12.1 | 19.9 |
| 142187 | 2002 RZ ₄₇ | | 6 7.5 332°99 | 0°8/ 7.6 | 17 | | 2706 | Borovský | | 6 7.5 105°07 | 2°4/ 7.9 | 18 R | |
| 5 1 | 17 26.84 | -23 47.7 | 1.205 | 2.069 | 18.9 | 19.4 | 5 1 | 17 31.19 | -28 20.5 | 2.228 | 3.043 | 13.1 | 16.7 |
| 5 11 | 17 24.66 | -24 2.1 | 1.124 | 2.055 | 14.9 | 19.1 | 5 11 | 17 26.31 | -28 56.8 | 2.146 | 3.046 | 10.3 | 16.5 |
| 5 21 | 17 19.04 | -24 14.4 | 1.062 | 2.041 | 10.0 | 18.8 | 5 21 | 17 19.20 | -29 29.2 | 2.087 | 3.050 | 7.1 | 16.3 |
| 5 31 | 17 10.63 | -24 22.8 | 1.020 | 2.028 | 4.6 | 18.5 | 5 31 | 17 10.44 | -29 55.3 | 2.053 | 3.053 | 3.9 | 16.1 |
| 6 10 | 17 0.75 | -24 26.4 | 1.001 | 2.016 | 1.6 | 18.2 | 6 10 | 17 0.90 | -30 13.3 | 2.047 | 3.056 | 2.6 | 16.1 |
| 6 20 | 16 51.01 | -24 25.6 | 1.005 | 2.005 | 7.4 | 18.6 | 6 20 | 16 51.56 | -30 22.9 | 2.069 | 3.060 | 5.2 | 16.2 |
| 6 30 | 16 43.09 | -24 22.6 | 1.030 | 1.995 | 12.9 | 18.8 | 6 30 | 16 43.38 | -30 25.4 | 2.118 | 3.063 | 8.4 | 16.4 |
| 7 10 | 16 38.25 | -24 20.9 | 1.075 | 1.986 | 17.7 | 19.1 | 7 10 | 16 37.12 | -30 23.3 | 2.190 | 3.066 | 11.4 | 16.6 |
| 329213 | 2012 DT ₇₃ | | 6 7.5 47°61 | 0°0/ 7.5 | 17 | | 251805 | 1999 TT ₅₄ | | 6 7.5 178°67 | 2°0/ 8.1 | 18 | |
| 5 1 | 17 31.73 | -23 30.7 | 1.303 | 2.155 | 18.5 | 21.0 | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 479970 | 2014 <i>JN</i> ₃₆ | | 6 7.5 95°73 | 2°3/ 7.9 17 | | | 293102 | 2006 <i>XU</i> ₁₆ | | 6 7.5 225°41 | 3°0/ 8.6 18 | | |
| 5 1 | 17 31.35 | -28 24.1 | 2.394 | 3.205 | 12.4 | 21.5 | 5 1 | 17 30.43 | -33 18.8 | 2.434 | 3.237 | 12.5 | 20.5 |
| 5 11 | 17 26.22 | -29 2.2 | 2.318 | 3.216 | 9.7 | 21.3 | 5 11 | 17 25.58 | -33 18.5 | 2.344 | 3.234 | 10.0 | 20.3 |
| 5 21 | 17 19.02 | -29 36.5 | 2.265 | 3.226 | 6.7 | 21.1 | 5 21 | 17 18.63 | -33 9.5 | 2.276 | 3.231 | 7.1 | 20.2 |
| 5 31 | 17 10.32 | -30 4.5 | 2.238 | 3.237 | 3.7 | 20.9 | 5 31 | 17 10.18 | -32 50.0 | 2.234 | 3.228 | 4.3 | 20.0 |
| 6 10 | 17 0.95 | -30 24.7 | 2.239 | 3.248 | 2.5 | 20.9 | 6 10 | 17 1.09 | -32 19.8 | 2.219 | 3.224 | 3.0 | 19.9 |
| 6 20 | 16 51.82 | -30 36.9 | 2.268 | 3.258 | 4.9 | 21.1 | 6 20 | 16 52.27 | -31 40.4 | 2.232 | 3.221 | 5.0 | 20.0 |
| 6 30 | 16 43.79 | -30 42.1 | 2.325 | 3.268 | 7.9 | 21.3 | 6 30 | 16 44.59 | -30 54.6 | 2.273 | 3.217 | 8.0 | 20.2 |
| 7 10 | 16 37.55 | -30 42.6 | 2.406 | 3.279 | 10.7 | 21.5 | 7 10 | 16 38.74 | -30 6.4 | 2.338 | 3.214 | 10.8 | 20.4 |
| 111731 | 2002 <i>CY</i> ₅₇ | | 6 7.5 159°60 | 4°2/ 6.3 18 | | | 510139 | 2010 <i>UX</i> ₈₂ | | 6 7.5 262°87 | 6°0/ 5.1 18 | | |
| 5 1 | 17 26.65 | -10 17.5 | 2.556 | 3.369 | 11.6 | 20.3 | 5 1 | 17 25.74 | - 6 15.8 | 2.457 | 3.266 | 12.2 | 21.8 |
| 5 11 | 17 22.24 | - 9 45.1 | 2.477 | 3.372 | 9.3 | 20.1 | 5 11 | 17 21.67 | - 5 14.1 | 2.371 | 3.257 | 10.0 | 21.6 |
| 5 21 | 17 16.20 | - 9 17.2 | 2.420 | 3.375 | 6.8 | 20.0 | 5 21 | 17 15.93 | - 4 18.0 | 2.307 | 3.248 | 7.8 | 21.4 |
| 5 31 | 17 9.04 | - 8 55.9 | 2.390 | 3.377 | 4.7 | 19.8 | 5 31 | 17 8.98 | - 3 31.0 | 2.270 | 3.239 | 6.3 | 21.3 |
| 6 10 | 17 1.39 | - 8 42.9 | 2.387 | 3.379 | 4.3 | 19.8 | 6 10 | 17 1.48 | - 2 56.2 | 2.258 | 3.230 | 6.3 | 21.3 |
| 6 20 | 16 53.94 | - 8 39.1 | 2.412 | 3.381 | 6.1 | 19.9 | 6 20 | 16 54.13 | - 2 35.6 | 2.274 | 3.221 | 7.8 | 21.4 |
| 6 30 | 16 47.36 | - 8 45.2 | 2.463 | 3.383 | 8.6 | 20.1 | 6 30 | 16 47.62 | - 2 30.1 | 2.314 | 3.211 | 10.1 | 21.5 |
| 7 10 | 16 42.17 | - 9 0.6 | 2.539 | 3.385 | 11.0 | 20.3 | 7 10 | 16 42.53 | - 2 39.1 | 2.377 | 3.202 | 12.4 | 21.6 |
| 295278 | 2008 <i>GS</i> ₈₇ | | 6 7.5 130°11 | 3°5/ 6.7 17 | | | 250700 | 2005 <i>QC</i> ₁₇₃ | | 6 7.6 0°62 | 4°7/ 8.7 17 | | |
| 5 1 | 17 31.65 | -15 39.1 | 1.759 | 2.590 | 15.3 | 21.6 | 5 1 | 17 30.92 | -35 46.7 | 2.133 | 2.937 | 13.9 | 20.4 |
| 5 11 | 17 26.81 | -15 4.2 | 1.687 | 2.597 | 12.0 | 21.4 | 5 11 | 17 26.40 | -36 15.6 | 2.050 | 2.936 | 11.3 | 20.2 |
| 5 21 | 17 19.55 | -14 31.2 | 1.637 | 2.605 | 8.2 | 21.2 | 5 21 | 17 19.41 | -36 35.0 | 1.989 | 2.936 | 8.4 | 20.0 |
| 5 31 | 17 10.59 | -14 2.3 | 1.611 | 2.612 | 4.6 | 21.0 | 5 31 | 17 10.60 | -36 41.5 | 1.951 | 2.936 | 5.8 | 19.9 |
| 6 10 | 17 0.93 | -13 39.6 | 1.612 | 2.618 | 3.8 | 21.0 | 6 10 | 17 0.96 | -36 33.4 | 1.940 | 2.936 | 4.7 | 19.8 |
| 6 20 | 16 51.64 | -13 25.2 | 1.640 | 2.625 | 6.9 | 21.2 | 6 20 | 16 51.59 | -36 11.2 | 1.956 | 2.937 | 6.4 | 19.9 |
| 6 30 | 16 43.74 | -13 20.4 | 1.692 | 2.631 | 10.6 | 21.4 | 6 30 | 16 43.57 | -35 37.8 | 1.997 | 2.937 | 9.2 | 20.1 |
| 7 10 | 16 37.99 | -13 25.5 | 1.767 | 2.637 | 14.0 | 21.6 | 7 10 | 16 37.70 | -34 57.8 | 2.062 | 2.938 | 12.0 | 20.2 |
| 334416 | 2002 <i>EV</i> ₆₀ | | 6 7.5 91°60 | 0°2/ 7.5 17 | | | 475385 | 2006 <i>GH</i> ₂₀ | | 6 7.6 42°55 | 0°9/ 7.7 17 | | |
| 5 1 | 17 32.01 | -23 12.2 | 1.845 | 2.674 | 14.8 | 21.2 | 5 1 | 17 30.64 | -24 10.7 | 1.644 | 2.482 | 15.9 | 21.1 |
| 5 11 | 17 27.01 | -23 0.6 | 1.778 | 2.688 | 11.5 | 21.0 | 5 11 | 17 26.40 | -24 28.5 | 1.577 | 2.492 | 12.4 | 20.9 |
| 5 21 | 17 19.63 | -22 45.9 | 1.732 | 2.703 | 7.6 | 20.8 | 5 21 | 17 19.49 | -24 43.9 | 1.530 | 2.502 | 8.2 | 20.7 |
| 5 31 | 17 10.60 | -22 27.9 | 1.711 | 2.717 | 3.3 | 20.6 | 5 31 | 17 10.63 | -24 55.2 | 1.507 | 2.513 | 3.7 | 20.4 |
| 6 10 | 17 0.94 | -22 7.5 | 1.717 | 2.732 | 1.1 | 20.4 | 6 10 | 17 0.96 | -25 1.7 | 1.509 | 2.524 | 1.4 | 20.3 |
| 6 20 | 16 51.73 | -21 46.4 | 1.751 | 2.746 | 5.4 | 20.8 | 6 20 | 16 51.68 | -25 3.7 | 1.538 | 2.535 | 5.8 | 20.6 |
| 6 30 | 16 43.95 | -21 26.9 | 1.810 | 2.760 | 9.3 | 21.0 | 6 30 | 16 43.95 | -25 3.1 | 1.592 | 2.546 | 10.0 | 20.9 |
| 7 10 | 16 38.33 | -21 11.4 | 1.893 | 2.774 | 12.7 | 21.3 | 7 10 | 16 38.59 | -25 2.2 | 1.668 | 2.558 | 13.6 | 21.1 |
| 98770 | 2000 <i>YN</i> ₇₇ | | 6 7.5 319°49 | 0°4/ 7.5 18 | | | 125875 | 2001 <i>XJ</i> ₁₉₆ | | 6 7.6 228°56 | 1°8/ 8.0 18 | | |
| 5 1 | 17 29.58 | -20 14.3 | 1.263 | 2.121 | 18.6 | 18.7 | 5 1 | 17 32.95 | -28 41.8 | 2.086 | 2.901 | 13.8 | 20.7 |
| 5 11 | 17 26.68 | -20 38.8 | 1.180 | 2.106 | 14.6 | 18.4 | 5 11 | 17 27.87 | -28 40.2 | 1.991 | 2.892 | 10.9 | 20.5 |
| 5 21 | 17 20.36 | -21 6.5 | 1.115 | 2.092 | 9.9 | 18.1 | 5 21 | 17 20.36 | -28 31.9 | 1.918 | 2.883 | 7.5 | 20.3 |
| 5 31 | 17 11.27 | -21 36.5 | 1.071 | 2.078 | 4.4 | 17.7 | 5 31 | 17 11.03 | -28 15.3 | 1.870 | 2.873 | 3.8 | 20.0 |
| 6 10 | 17 0.64 | -22 6.8 | 1.051 | 2.065 | 1.5 | 17.5 | 6 10 | 17 0.82 | -27 50.1 | 1.850 | 2.862 | 2.0 | 19.9 |
| 6 20 | 16 50.05 | -22 36.4 | 1.054 | 2.053 | 7.3 | 17.8 | 6 20 | 16 50.82 | -27 17.8 | 1.857 | 2.851 | 5.3 | 20.1 |
| 6 30 | 16 41.17 | -23 5.2 | 1.080 | 2.041 | 12.8 | 18.1 | 6 30 | 16 42.08 | -26 41.3 | 1.891 | 2.840 | 9.1 | 20.3 |
| 7 10 | 16 35.27 | -23 34.5 | 1.126 | 2.030 | 17.7 | 18.3 | 7 10 | 16 35.42 | -26 4.5 | 1.949 | 2.828 | 12.5 | 20.5 |
| 17695 | 1997 <i>EE</i> ₇ | | 6 7.5 260°22 | 6°7/ 5.1 18 | | | 237934 | 2002 <i>QC</i> ₆₄ | | 6 7.6 293°52 | 1°6/ 7.8 17 | | |
| 5 1 | 17 26.05 | - 4 10.6 | 2.381 | 3.186 | 12.6 | 19.0 | 5 1 | 17 30.17 | -26 28.3 | 1.900 | 2.729 | 14.5 | 20.6 |
| 5 11 | 17 21.97 | - 3 12.0 | 2.296 | 3.176 | 10.5 | 18.9 | 5 11 | 17 25.99 | -26 45.5 | 1.809 | 2.718 | 11.4 | 20.4 |
| 5 21 | 17 16.15 | - 2 20.5 | 2.233 | 3.167 | 8.4 | 18.7 | 5 21 | 17 19.27 | -26 58.8 | 1.739 | 2.708 | 7.7 | 20.1 |
| 5 31 | 17 9.08 | - 1 40.1 | 2.195 | 3.157 | 6.9 | 18.6 | 5 31 | 17 10.60 | -27 6.5 | 1.693 | 2.697 | 3.8 | 19.9 |
| 6 10 | 17 1.42 | - 1 13.8 | 2.183 | 3.147 | 6.9 | 18.6 | 6 10 | 17 0.95 | -27 7.5 | 1.674 | 2.687 | 1.9 | 19.7 |
| 6 20 | 16 53.91 | - 1 3.5 | 2.197 | 3.137 | 8.4 | 18.7 | 6 20 | 16 51.44 | -27 2.2 | 1.682 | 2.677 | 5.6 | 19.9 |
| 6 30 | 16 47.26 | - 1 9.6 | 2.236 | 3.127 | 10.6 | 18.8 | 6 30 | 16 43.20 | -26 52.3 | 1.715 | 2.667 | 9.6 | 20.1 |
| 7 10 | 16 42.07 | - 1 30.9 | 2.297 | 3.117 | 12.9 | 18.9 | 7 10 | 16 37.12 | -26 40.9 | 1.771 | 2.657 | 13.2 | 20.3 |
| 422885 | 2002 <i>QW</i> ₇₆ | | 6 7.5 250°56 | 3°3/ 8.1 17 | | | 216869 | 2008 <i>DR</i> ₂₄ | | 6 7.6 312°76 | 4°7/ 6.4 17 | | |
| 5 1 | 17 34.65 | -29 57.8 | 1.799 | 2.618 | 15.5 | 21.7 | 5 1 | 17 26.36 | -10 30.2 | 2.141 | 2.964 | 13.2 | 20.3 |
| 5 11 | 17 29.81 | -30 26.2 | 1.703 | 2.605 | 12.4 | 21.5 | 5 11 | 17 22.44 | - 9 57.2 | 2.057 | 2.958 | 10.6 | 20.1 |
| 5 21 | 17 22.01 | -30 48.8 | 1.628 | 2.590 | 8.7 | 21.2 | 5 21 | 17 16.58 | - 9 29.3 | 1.995 | 2.953 | 7.7 | 19.9 |
| 5 31 | 17 11.86 | -31 2.0 | 1.577 | 2.576 | 5.0 | 21.0 | 5 31 | 17 9.32 | - 9 9.1 | 1.958 | 2.947 | 5.3 | 19.7 |
| 6 10 | 17 0.48 | -31 3.3 | 1.552 | 2.561 | 3.4 | 20.8 | 6 10 | 17 1.41 | - 8 58.6 | 1.947 | 2.942 | 4.9 | 19.7 |
| 6 20 | 16 49.17 | -30 52.7 | 1.554 | 2.545 | 6.5 | 21.0 | 6 20 | 16 53.68 | - 8 59.2 | 1.963 | 2.936 | 7.0 | 19.8 |
| 6 30 | 16 39.30 | -30 32.5 | 1.581 | 2.529 | 10.5 | 21.2 | 6 30 | 16 46.93 | - 9 11.2 | 2.005 | 2.931 | 9.9 | 20.0 |
| 7 10 | 16 31.93 | -30 7.5 | 1.631 | 2.513 | 14.4 | 21.4 | 7 10 | 16 41.83 | - 9 34.0 | 2.069 | 2.926 | 12.7 | 20.2 |
| 377680 | 2005 <i>UM</i> ₄₄₀ | | 6 7.5 255°84 | 1°7/ 8.1 18 | | | 512451 | 2016 <i>QB</i> ₂₅ | | 6 7.6 226°86 | 4°2/ 6.0 18 | | |
| 5 1 | 17 32.53 | -29 28.7 | 1.721 | 2.548 | 15.8 | 20.1 | 5 1 | 17 27.87 | -12 3.0 | 2.440 | 3.256 | 12.0 | 21.9 |
| 5 11 | 17 27.87 | -29 3.5 | 1.639 | 2.546 | 12.4 | 19.8 | 5 11 | 17 23.35 | -11 14.7 | 2.349 | 3.248 | 9.6 | 21.7 |
| 5 21 | 17 20.45 | -28 28.1 | 1.577 | 2.545 | 8.5 | 19.6 | 5 21 | 17 17.07 | -10 28.9 | 2.282 | 3.239 | 6.9 | 21.6 |
| 5 31 | 17 11.04 | -27 41.7 | 1.540 | 2.544 | 4.2 | 19.3 | 5 31 | 17 9.51 | - 9 47.9 | 2.241 | 3.231 | 4.7 | 21.4 |
| 6 10 | 17 0.80 | -26 45.6 | 1.529 | 2.543 | 1.9 | 19.2 | 6 10 | 17 1.37 | - 9 14.5 | 2.227 | 3.222 | 4.4 | 21.4 |
| 6 20 | 16 50.97 | -25 43.0 | 1.545 | 2.541 | 5.8 | 19.4 | 6 20 | 16 53.39 | - 8 50.4 | 2.242 | 3.212 | 6.4 | 21.5 |
| 6 30 | 16 42.75 | -24 39.3 | 1.587 | 2.540 | 10.1 | 19.7 | 6 30 | 16 46.31 | - 8 37.1 | 2.283 | 3.203 | 9.2 | 21.6 |
| 7 10 | 16 36.96 | -23 39.6 | 1.651 | 2.539 | 13.9 | 19.9 | 7 10 | 16 40.71 | - 8 34.8 | 2.347 | 3.193 | 11.8 | 21.8 |
| 429650 | 2011 <i>GF</i> ₄ | | 6 7.5 139°23 | 6°3/ 5.8 17 | | | 474210 | 2000 <i>SW</i> ₃₀₉ | | 6 7.6 22 | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|-------------|---------|------|---------------|------------------------|-----------------|--------------|-------------|---------|------|
| 157104 | 2004 JS ₃₃ | | 6 7.6 198°91 | 2°9/ 7.0 18 | | | 382923 | 2004 RZ ₃₃₉ | | 6 7.6 253°41 | 1°7/ 7.0 18 | | |
| 5 1 | 17 32.89 | -17 48.0 | 1.373 | 2.219 | 18.0 | 20.1 | 5 1 | 17 30.78 | -20 54.2 | 1.948 | 2.776 | 14.2 | 21.3 |
| 5 11 | 17 28.63 | -17 23.3 | 1.299 | 2.218 | 14.1 | 19.8 | 5 11 | 17 26.22 | -20 15.5 | 1.853 | 2.764 | 11.1 | 21.0 |
| 5 21 | 17 21.25 | -16 59.4 | 1.244 | 2.217 | 9.6 | 19.5 | 5 21 | 17 19.29 | -19 33.0 | 1.780 | 2.751 | 7.4 | 20.8 |
| 5 31 | 17 11.53 | -16 38.0 | 1.212 | 2.217 | 4.8 | 19.3 | 5 31 | 17 10.61 | -18 48.1 | 1.732 | 2.738 | 3.5 | 20.5 |
| 6 10 | 17 0.73 | -16 21.2 | 1.205 | 2.215 | 3.3 | 19.2 | 6 10 | 17 1.08 | -18 3.0 | 1.712 | 2.724 | 2.1 | 20.4 |
| 6 20 | 16 50.28 | -16 10.9 | 1.222 | 2.214 | 7.6 | 19.4 | 6 20 | 16 51.74 | -17 20.5 | 1.719 | 2.710 | 5.9 | 20.6 |
| 6 30 | 16 41.58 | -16 9.2 | 1.263 | 2.213 | 12.4 | 19.7 | 6 30 | 16 43.60 | -16 43.7 | 1.752 | 2.696 | 9.9 | 20.8 |
| 7 10 | 16 35.61 | -16 16.9 | 1.324 | 2.212 | 16.7 | 19.9 | 7 10 | 16 37.47 | -16 15.3 | 1.808 | 2.682 | 13.5 | 21.0 |
| 17425 | 1989 AM ₃ | | 6 7.6 125°22 | 3°9/ 8.8 18 | | | 16197 | Bluepeter | | 6 7.6 287°60 | 1°4/ 7.9 18 | | |
| 5 1 | 17 35.25 | -34 46.4 | 2.032 | 2.834 | 14.6 | 18.5 | 5 1 | 17 32.64 | -28 38.6 | 1.620 | 2.452 | 16.4 | 17.6 |
| 5 11 | 17 29.62 | -34 50.6 | 1.957 | 2.845 | 11.7 | 18.3 | 5 11 | 17 28.54 | -28 13.3 | 1.515 | 2.426 | 13.1 | 17.3 |
| 5 21 | 17 21.42 | -34 43.7 | 1.903 | 2.855 | 8.5 | 18.2 | 5 21 | 17 21.36 | -27 37.2 | 1.430 | 2.400 | 9.0 | 17.0 |
| 5 31 | 17 11.44 | -34 23.1 | 1.874 | 2.865 | 5.3 | 18.0 | 5 31 | 17 11.70 | -26 48.6 | 1.369 | 2.373 | 4.3 | 16.6 |
| 6 10 | 17 0.78 | -33 48.5 | 1.872 | 2.875 | 3.9 | 17.9 | 6 10 | 17 0.71 | -25 48.2 | 1.333 | 2.347 | 1.7 | 16.4 |
| 6 20 | 16 50.61 | -33 1.8 | 1.897 | 2.884 | 5.9 | 18.1 | 6 20 | 16 49.79 | -24 39.3 | 1.323 | 2.320 | 6.5 | 16.6 |
| 6 30 | 16 41.99 | -32 7.2 | 1.949 | 2.893 | 9.1 | 18.3 | 6 30 | 16 40.38 | -23 27.6 | 1.338 | 2.293 | 11.5 | 16.8 |
| 7 10 | 16 35.68 | -31 10.1 | 2.025 | 2.902 | 12.2 | 18.5 | 7 10 | 16 33.60 | -22 19.9 | 1.375 | 2.266 | 16.0 | 17.0 |
| 54761 | 2001 KJ ₆₆ | | 6 7.6 303°28 | 1°9/ 7.3 18 | | | 310369 | 2011 UE ₃₃₇ | | 6 7.6 256°91 | 5°8/ 5.6 18 | | |
| 5 1 | 17 29.30 | -18 58.0 | 1.450 | 2.299 | 17.1 | 19.4 | 5 1 | 17 27.06 | -6 23.7 | 2.436 | 3.243 | 12.3 | 21.1 |
| 5 11 | 17 26.13 | -18 51.5 | 1.351 | 2.273 | 13.5 | 19.1 | 5 11 | 17 22.79 | -5 35.7 | 2.342 | 3.228 | 10.1 | 20.9 |
| 5 21 | 17 19.87 | -18 45.9 | 1.272 | 2.247 | 9.2 | 18.8 | 5 21 | 17 16.76 | -4 53.7 | 2.270 | 3.212 | 7.9 | 20.8 |
| 5 31 | 17 11.08 | -18 42.0 | 1.215 | 2.221 | 4.4 | 18.4 | 5 31 | 17 9.44 | -4 20.8 | 2.224 | 3.196 | 6.1 | 20.6 |
| 6 10 | 17 0.82 | -18 40.5 | 1.183 | 2.196 | 2.4 | 18.2 | 6 10 | 17 1.48 | -3 59.7 | 2.204 | 3.180 | 6.0 | 20.6 |
| 6 20 | 16 50.45 | -18 42.5 | 1.175 | 2.170 | 7.3 | 18.5 | 6 20 | 16 53.61 | -3 52.2 | 2.211 | 3.164 | 7.7 | 20.7 |
| 6 30 | 16 41.48 | -18 49.5 | 1.190 | 2.146 | 12.5 | 18.7 | 6 30 | 16 46.57 | -3 59.0 | 2.244 | 3.147 | 10.1 | 20.8 |
| 7 10 | 16 35.11 | -19 3.2 | 1.226 | 2.121 | 17.2 | 18.9 | 7 10 | 16 40.98 | -4 19.1 | 2.300 | 3.131 | 12.5 | 20.9 |
| 248055 | 2004 LT ₅ | | 6 7.6 302°99 | 7°1/ 5.2 18 | | | 351268 | 2004 RB ₁₉₆ | | 6 7.6 321°14 | 6°0/ 9.1 18 | | |
| 5 1 | 17 25.80 | -4 50.3 | 2.115 | 2.928 | 13.7 | 20.1 | 5 1 | 17 31.19 | -39 28.1 | 2.184 | 2.976 | 14.0 | 20.3 |
| 5 11 | 17 22.02 | -3 50.0 | 2.032 | 2.919 | 11.4 | 20.0 | 5 11 | 17 26.80 | -40 3.5 | 2.095 | 2.968 | 11.7 | 20.1 |
| 5 21 | 17 16.32 | -2 57.3 | 1.971 | 2.910 | 9.0 | 19.8 | 5 21 | 17 19.82 | -40 27.6 | 2.026 | 2.960 | 9.1 | 19.9 |
| 5 31 | 17 9.23 | -2 16.5 | 1.934 | 2.900 | 7.4 | 19.7 | 5 31 | 17 10.88 | -40 36.4 | 1.981 | 2.953 | 6.9 | 19.7 |
| 6 10 | 17 1.48 | -1 51.2 | 1.922 | 2.891 | 7.3 | 19.7 | 6 10 | 17 1.01 | -40 27.6 | 1.962 | 2.945 | 6.0 | 19.7 |
| 6 20 | 16 53.89 | -1 43.2 | 1.936 | 2.882 | 9.0 | 19.7 | 6 20 | 16 51.36 | -40 1.2 | 1.968 | 2.938 | 7.2 | 19.7 |
| 6 30 | 16 47.28 | -1 53.1 | 1.974 | 2.874 | 11.4 | 19.9 | 6 30 | 16 43.06 | -39 20.4 | 2.000 | 2.932 | 9.7 | 19.9 |
| 7 10 | 16 42.28 | -2 19.3 | 2.033 | 2.865 | 13.9 | 20.0 | 7 10 | 16 37.01 | -38 30.1 | 2.055 | 2.925 | 12.3 | 20.0 |
| 236580 | 2006 HR ₁₀₁ | | 6 7.6 144°47 | 1°8/ 7.2 17 | | | 491912 | 2013 CL ₅₃ | | 6 7.6 213°70 | 2°3/ 8.3 18 | | |
| 5 1 | 17 29.96 | -18 2.0 | 2.040 | 2.867 | 13.7 | 21.6 | 5 1 | 17 30.65 | -30 54.8 | 2.754 | 3.554 | 11.2 | 22.0 |
| 5 11 | 17 25.33 | -17 53.7 | 1.961 | 2.870 | 10.6 | 21.4 | 5 11 | 17 25.55 | -31 3.0 | 2.657 | 3.548 | 8.9 | 21.9 |
| 5 21 | 17 18.54 | -17 46.5 | 1.903 | 2.873 | 7.1 | 21.2 | 5 21 | 17 18.57 | -31 5.1 | 2.583 | 3.541 | 6.2 | 21.7 |
| 5 31 | 17 10.20 | -17 40.9 | 1.871 | 2.876 | 3.5 | 21.0 | 5 31 | 17 10.23 | -30 59.7 | 2.536 | 3.533 | 3.5 | 21.5 |
| 6 10 | 17 1.18 | -17 37.8 | 1.867 | 2.878 | 2.1 | 20.9 | 6 10 | 17 1.25 | -30 46.1 | 2.517 | 3.525 | 2.4 | 21.4 |
| 6 20 | 16 52.41 | -17 37.8 | 1.889 | 2.881 | 5.5 | 21.1 | 6 20 | 16 52.43 | -30 25.1 | 2.527 | 3.517 | 4.5 | 21.5 |
| 6 30 | 16 44.80 | -17 42.0 | 1.938 | 2.883 | 9.1 | 21.3 | 6 30 | 16 44.56 | -29 58.6 | 2.565 | 3.508 | 7.3 | 21.7 |
| 7 10 | 16 39.05 | -17 51.1 | 2.011 | 2.885 | 12.4 | 21.6 | 7 10 | 16 38.27 | -29 29.4 | 2.628 | 3.499 | 9.9 | 21.9 |
| 16043 | Yichenzhang | | 6 7.6 141°15 | 3°5/ 6.7 18 | | | 386434 | 2008 VF ₆₈ | | 6 7.6 186°68 | 2°1/ 7.3 18 | | |
| 5 1 | 17 33.41 | -16 42.9 | 1.597 | 2.431 | 16.5 | 18.1 | 5 1 | 17 31.63 | -15 17.9 | 2.301 | 3.115 | 12.7 | 21.1 |
| 5 11 | 17 28.44 | -15 59.1 | 1.526 | 2.439 | 12.9 | 17.9 | 5 11 | 17 26.43 | -15 28.0 | 2.214 | 3.115 | 9.9 | 20.9 |
| 5 21 | 17 20.78 | -15 15.9 | 1.476 | 2.445 | 8.8 | 17.7 | 5 21 | 17 19.22 | -15 41.9 | 2.149 | 3.115 | 6.8 | 20.7 |
| 5 31 | 17 11.22 | -14 35.7 | 1.450 | 2.452 | 4.8 | 17.5 | 5 31 | 17 10.53 | -15 59.6 | 2.112 | 3.113 | 3.5 | 20.5 |
| 6 10 | 17 0.88 | -14 1.5 | 1.450 | 2.458 | 3.9 | 17.4 | 6 10 | 17 1.15 | -16 21.2 | 2.102 | 3.112 | 2.4 | 20.4 |
| 6 20 | 16 50.96 | -13 35.9 | 1.477 | 2.463 | 7.4 | 17.6 | 6 20 | 16 51.92 | -16 46.4 | 2.121 | 3.110 | 5.2 | 20.6 |
| 6 30 | 16 42.62 | -13 21.3 | 1.528 | 2.468 | 11.4 | 17.9 | 6 30 | 16 43.69 | -17 14.9 | 2.168 | 3.108 | 8.6 | 20.8 |
| 7 10 | 16 36.65 | -13 18.2 | 1.600 | 2.473 | 15.1 | 18.1 | 7 10 | 16 37.14 | -17 46.7 | 2.239 | 3.105 | 11.6 | 21.0 |
| 237463 | 1999 XQ ₁₇₁ | | 6 7.6 91°55 | 3°6/ 8.9 17 | | | 478367 | 2011 YB ₃₆ | | 6 7.6 234°01 | 3°7/ 8.5 18 | | |
| 5 1 | 17 36.39 | -35 15.0 | 2.191 | 2.985 | 13.9 | 20.5 | 5 1 | 17 30.74 | -34 25.4 | 2.604 | 3.400 | 11.9 | 22.1 |
| 5 11 | 17 30.08 | -35 12.6 | 2.130 | 3.012 | 11.1 | 20.3 | 5 11 | 17 25.85 | -34 49.3 | 2.510 | 3.393 | 9.6 | 21.9 |
| 5 21 | 17 21.48 | -34 59.0 | 2.090 | 3.039 | 8.0 | 20.2 | 5 21 | 17 18.89 | -35 5.7 | 2.438 | 3.387 | 7.1 | 21.7 |
| 5 31 | 17 11.39 | -34 32.4 | 2.075 | 3.065 | 5.0 | 20.0 | 5 31 | 17 10.40 | -35 12.1 | 2.393 | 3.380 | 4.7 | 21.5 |
| 6 10 | 17 0.86 | -33 53.0 | 2.088 | 3.090 | 3.7 | 20.0 | 6 10 | 17 1.19 | -35 7.3 | 2.374 | 3.373 | 3.7 | 21.5 |
| 6 20 | 16 50.94 | -33 3.0 | 2.130 | 3.115 | 5.5 | 20.2 | 6 20 | 16 52.13 | -34 51.5 | 2.384 | 3.366 | 5.3 | 21.6 |
| 6 30 | 16 42.57 | -32 6.7 | 2.198 | 3.140 | 8.4 | 20.4 | 6 30 | 16 44.11 | -34 26.7 | 2.420 | 3.358 | 7.9 | 21.7 |
| 7 10 | 16 36.38 | -31 8.9 | 2.292 | 3.164 | 11.1 | 20.6 | 7 10 | 16 37.84 | -33 56.2 | 2.481 | 3.351 | 10.5 | 21.9 |
| 502396 | 2015 BV ₂₄₉ | | 6 7.6 117°39 | 2°4/ 7.2 17 | | | 316870 | 2000 QE ₁₇₄ | | 6 7.6 270°80 | 3°0/ 8.2 17 | | |
| 5 1 | 17 31.22 | -16 44.7 | 1.737 | 2.570 | 15.4 | 21.7 | 5 1 | 17 35.77 | -30 4.8 | 1.675 | 2.497 | 16.4 | 21.4 |
| 5 11 | 17 26.67 | -16 38.7 | 1.661 | 2.573 | 12.0 | 21.5 | 5 11 | 17 31.11 | -30 15.3 | 1.566 | 2.470 | 13.2 | 21.1 |
| 5 21 | 17 19.61 | -16 35.6 | 1.607 | 2.577 | 8.1 | 21.3 | 5 21 | 17 23.20 | -30 18.0 | 1.478 | 2.443 | 9.3 | 20.8 |
| 5 31 | 17 10.73 | -16 35.9 | 1.576 | 2.580 | 4.1 | 21.0 | 5 31 | 17 12.59 | -30 9.2 | 1.414 | 2.414 | 5.1 | 20.5 |
| 6 10 | 17 1.03 | -16 40.3 | 1.572 | 2.583 | 2.7 | 20.9 | 6 10 | 17 0.44 | -29 47.0 | 1.375 | 2.386 | 3.1 | 20.3 |
| 6 20 | 16 51.61 | -16 49.5 | 1.595 | 2.586 | 6.3 | 21.2 | 6 20 | 16 48.19 | -29 11.8 | 1.363 | 2.356 | 6.8 | 20.4 |
| 6 30 | 16 43.57 | -17 3.9 | 1.643 | 2.589 | 10.3 | 21.4 | 6 30 | 16 37.43 | -28 27.6 | 1.375 | 2.326 | 11.5 | 20.6 |
| 7 10 | 16 37.70 | -17 24.0 | 1.713 | 2.592 | 13.9 | 21.6 | 7 10 | 16 29.38 | -27 40.2 | 1.410 | 2.295 | 16.0 | 20.8 |
| 7330 | Annelemaître | | 6 7.6 164°69 | 9°2/ 4.3 18 | | | 476518 | 2008 GN ₇₅ | | 6 7.6 175°13 | 0°4/ 7.6 17 | | |
| 5 1 | 17 32.30 | + 2 0.2 | 2.259 | 3.033 | 14.1 | 18 | | | | | | | |

EPHEMERIDES

6 7.6

6 7.6

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|---------------|----------|---------|------|---------------|------------------------|-----------------|---------------|-----------|---------|------|
| 160225 | 2002 GC ₆₀ | | 6 7.6 12°05' | 9.7/ 6.7 | 18 | | 103040 | 1999 XH ₁₂₁ | | 6 7.6 283°98' | 0.4/ 7.7 | 18 | |
| 5 1 | 17 27.26 | - 0 44.7 | 1.522 | 2.343 | 17.8 | 19.3 | 5 1 | 17 30.27 | -25 55.8 | 1.872 | 2.702 | 14.6 | 19.7 |
| 5 11 | 17 23.76 | - 0 3.2 | 1.458 | 2.345 | 15.0 | 19.1 | 5 11 | 17 26.02 | -25 30.9 | 1.780 | 2.691 | 11.4 | 19.5 |
| 5 21 | 17 17.76 | + 0 21.7 | 1.413 | 2.348 | 12.2 | 18.9 | 5 21 | 17 19.27 | -24 59.1 | 1.709 | 2.680 | 7.7 | 19.3 |
| 5 31 | 17 9.95 | + 0 24.8 | 1.390 | 2.352 | 10.2 | 18.8 | 5 31 | 17 10.66 | -24 20.4 | 1.663 | 2.669 | 3.5 | 19.0 |
| 6 10 | 17 1.36 | + 0 3.1 | 1.389 | 2.356 | 9.8 | 18.8 | 6 10 | 17 1.18 | -23 36.1 | 1.643 | 2.658 | 1.1 | 18.8 |
| 6 20 | 16 53.10 | - 0 43.4 | 1.412 | 2.361 | 11.4 | 18.9 | 6 20 | 16 51.93 | -22 48.8 | 1.651 | 2.647 | 5.5 | 19.0 |
| 6 30 | 16 46.23 | - 1 51.7 | 1.456 | 2.367 | 14.0 | 19.1 | 6 30 | 16 44.00 | -22 2.2 | 1.684 | 2.636 | 9.7 | 19.3 |
| 7 10 | 16 41.54 | - 3 16.9 | 1.521 | 2.374 | 16.8 | 19.3 | 7 10 | 16 38.21 | -21 20.2 | 1.740 | 2.625 | 13.5 | 19.5 |
| 250556 | 2004 RO ₁₆₂ | | 6 7.6 237°26' | 4.0/ 8.9 | 18 | | 137186 | 1999 JT ₇₂ | | 6 7.6 29°31' | 2.8/ 7.1 | 18 | |
| 5 1 | 17 31.02 | -36 37.4 | 2.717 | 3.504 | 11.7 | 20.8 | 5 1 | 17 28.85 | -17 20.7 | 1.396 | 2.248 | 17.5 | 19.2 |
| 5 11 | 17 25.99 | -36 50.2 | 2.619 | 3.495 | 9.5 | 20.6 | 5 11 | 17 25.30 | -17 3.2 | 1.334 | 2.256 | 13.6 | 19.0 |
| 5 21 | 17 18.94 | -36 53.9 | 2.545 | 3.487 | 7.1 | 20.5 | 5 21 | 17 18.92 | -16 47.8 | 1.291 | 2.265 | 9.2 | 18.7 |
| 5 31 | 17 10.41 | -36 46.2 | 2.495 | 3.478 | 4.9 | 20.3 | 5 31 | 17 10.50 | -16 36.3 | 1.270 | 2.275 | 4.6 | 18.5 |
| 6 10 | 17 1.21 | -36 26.1 | 2.474 | 3.468 | 4.0 | 20.2 | 6 10 | 17 1.25 | -16 30.0 | 1.274 | 2.285 | 3.2 | 18.4 |
| 6 20 | 16 52.20 | -35 54.3 | 2.480 | 3.459 | 5.3 | 20.3 | 6 20 | 16 52.46 | -16 30.2 | 1.303 | 2.296 | 7.1 | 18.7 |
| 6 30 | 16 44.24 | -35 13.3 | 2.514 | 3.449 | 7.7 | 20.4 | 6 30 | 16 45.32 | -16 38.0 | 1.354 | 2.307 | 11.5 | 19.0 |
| 7 10 | 16 38.02 | -34 26.8 | 2.572 | 3.440 | 10.2 | 20.6 | 7 10 | 16 40.69 | -16 53.6 | 1.427 | 2.319 | 15.4 | 19.2 |
| 58724 | 1998 DY ₁₇ | | 6 7.6 236°77' | 0.5/ 7.4 | 18 | | 471826 | 2012 XR ₃₉ | | 6 7.6 293°83' | 0.6/ 7.5 | 18 | |
| 5 1 | 17 28.84 | -21 15.0 | 2.379 | 3.200 | 12.2 | 20.4 | 5 1 | 17 30.00 | -20 6.7 | 1.899 | 2.730 | 14.4 | 21.1 |
| 5 11 | 17 24.31 | -21 13.9 | 2.287 | 3.194 | 9.4 | 20.2 | 5 11 | 17 25.87 | -20 24.0 | 1.802 | 2.714 | 11.3 | 20.8 |
| 5 21 | 17 17.84 | -21 11.9 | 2.218 | 3.187 | 6.3 | 20.0 | 5 21 | 17 19.27 | -20 42.9 | 1.726 | 2.698 | 7.5 | 20.6 |
| 5 31 | 17 9.94 | -21 8.9 | 2.175 | 3.180 | 2.8 | 19.8 | 5 31 | 17 10.72 | -21 2.8 | 1.676 | 2.682 | 3.4 | 20.3 |
| 6 10 | 17 1.37 | -21 5.1 | 2.159 | 3.173 | 1.1 | 19.6 | 6 10 | 17 1.14 | -21 22.8 | 1.652 | 2.666 | 1.2 | 20.1 |
| 6 20 | 16 52.94 | -21 1.1 | 2.172 | 3.166 | 4.6 | 19.9 | 6 20 | 16 51.58 | -21 42.7 | 1.654 | 2.650 | 5.6 | 20.4 |
| 6 30 | 16 45.47 | -20 58.2 | 2.212 | 3.159 | 8.0 | 20.1 | 6 30 | 16 43.15 | -22 2.7 | 1.683 | 2.634 | 9.8 | 20.6 |
| 7 10 | 16 39.63 | -20 57.7 | 2.277 | 3.151 | 11.1 | 20.3 | 7 10 | 16 36.77 | -22 23.8 | 1.735 | 2.618 | 13.5 | 20.8 |
| 137736 | 1999 XX ₁₂₅ | | 6 7.6 175°21' | 3.3/ 8.2 | 17 R | | 91943 | 1999 VA ₆₄ | | 6 7.6 48°39' | 1.9/ 7.9 | 18 | |
| 5 1 | 17 35.83 | -30 19.9 | 1.828 | 2.644 | 15.5 | 20.5 | 5 1 | 17 29.58 | -27 19.1 | 2.218 | 3.037 | 13.0 | 18.7 |
| 5 11 | 17 30.51 | -30 50.3 | 1.746 | 2.645 | 12.3 | 20.3 | 5 11 | 17 25.07 | -27 44.9 | 2.140 | 3.044 | 10.1 | 18.5 |
| 5 21 | 17 22.34 | -31 14.2 | 1.686 | 2.647 | 8.6 | 20.0 | 5 21 | 17 18.42 | -28 7.0 | 2.085 | 3.050 | 6.9 | 18.3 |
| 5 31 | 17 12.03 | -31 28.1 | 1.650 | 2.648 | 5.0 | 19.8 | 5 31 | 17 10.23 | -28 23.4 | 2.055 | 3.057 | 3.5 | 18.1 |
| 6 10 | 17 0.71 | -31 29.9 | 1.641 | 2.648 | 3.4 | 19.7 | 6 10 | 17 1.35 | -28 33.2 | 2.052 | 3.064 | 2.0 | 18.0 |
| 6 20 | 16 49.67 | -31 19.8 | 1.658 | 2.649 | 6.3 | 19.9 | 6 20 | 16 52.70 | -28 36.3 | 2.077 | 3.071 | 4.9 | 18.2 |
| 6 30 | 16 40.18 | -31 0.6 | 1.702 | 2.648 | 10.0 | 20.1 | 6 30 | 16 45.20 | -28 34.2 | 2.129 | 3.078 | 8.2 | 18.5 |
| 7 10 | 16 33.17 | -30 36.7 | 1.768 | 2.648 | 13.5 | 20.3 | 7 10 | 16 39.55 | -28 29.3 | 2.205 | 3.085 | 11.2 | 18.7 |
| 214994 | 2008 CR ₃₈ | | 6 7.6 229°98' | 4.4/ 6.5 | 17 | | 387139 | 2012 TS ₁₉₉ | | 6 7.6 236°48' | 2.5/ 8.2 | 17 | |
| 5 1 | 17 27.61 | - 9 35.7 | 2.402 | 3.215 | 12.3 | 20.8 | 5 1 | 17 31.60 | -29 58.6 | 2.089 | 2.905 | 13.8 | 21.5 |
| 5 11 | 17 23.21 | - 9 12.3 | 2.315 | 3.210 | 9.9 | 20.6 | 5 11 | 17 26.89 | -30 9.3 | 2.000 | 2.900 | 10.9 | 21.3 |
| 5 21 | 17 17.03 | - 8 54.5 | 2.250 | 3.204 | 7.2 | 20.4 | 5 21 | 17 19.77 | -30 13.3 | 1.932 | 2.895 | 7.6 | 21.1 |
| 5 31 | 17 9.57 | - 8 44.4 | 2.211 | 3.198 | 5.0 | 20.3 | 5 31 | 17 10.87 | -30 8.6 | 1.890 | 2.889 | 4.2 | 20.9 |
| 6 10 | 17 1.51 | - 8 43.4 | 2.199 | 3.192 | 4.6 | 20.2 | 6 10 | 17 1.13 | -29 54.4 | 1.874 | 2.884 | 2.6 | 20.7 |
| 6 20 | 16 53.59 | - 8 52.3 | 2.215 | 3.186 | 6.5 | 20.3 | 6 20 | 16 51.62 | -29 31.5 | 1.886 | 2.879 | 5.4 | 20.9 |
| 6 30 | 16 46.56 | - 9 11.3 | 2.257 | 3.180 | 9.1 | 20.5 | 6 30 | 16 43.37 | -29 2.7 | 1.924 | 2.873 | 8.9 | 21.1 |
| 7 10 | 16 41.02 | - 9 39.6 | 2.323 | 3.173 | 11.8 | 20.7 | 7 10 | 16 37.18 | -28 31.6 | 1.986 | 2.867 | 12.2 | 21.3 |
| 392626 | 2011 UB ₃₇ | | 6 7.6 358°05' | 3.5/ 6.3 | 16 | | 78692 | 2002 TA ₁₆₇ | | 6 7.6 267°57' | 1.1/ 7.1 | 18 | |
| 5 1 | 17 26.82 | -15 24.8 | 2.128 | 2.957 | 13.1 | 20.3 | 5 1 | 17 26.78 | -21 36.7 | 2.778 | 3.595 | 10.7 | 18.9 |
| 5 11 | 17 22.78 | -14 33.2 | 2.047 | 2.956 | 10.3 | 20.1 | 5 11 | 17 22.42 | -20 59.0 | 2.678 | 3.583 | 8.3 | 18.7 |
| 5 21 | 17 16.81 | -13 42.1 | 1.990 | 2.956 | 7.1 | 19.9 | 5 21 | 17 16.43 | -20 18.0 | 2.601 | 3.570 | 5.5 | 18.5 |
| 5 31 | 17 9.47 | -12 54.2 | 1.958 | 2.956 | 4.3 | 19.7 | 5 31 | 17 9.30 | -19 34.7 | 2.553 | 3.558 | 2.5 | 18.3 |
| 6 10 | 17 1.55 | -12 12.4 | 1.953 | 2.955 | 3.8 | 19.7 | 6 10 | 17 1.65 | -18 50.9 | 2.532 | 3.545 | 1.4 | 18.2 |
| 6 20 | 16 53.88 | -11 39.0 | 1.975 | 2.956 | 6.3 | 19.8 | 6 20 | 16 54.14 | -18 8.5 | 2.541 | 3.532 | 4.3 | 18.3 |
| 6 30 | 16 47.27 | -11 15.9 | 2.023 | 2.956 | 9.5 | 20.0 | 6 30 | 16 47.46 | -17 29.7 | 2.578 | 3.519 | 7.3 | 18.5 |
| 7 10 | 16 42.35 | -11 4.0 | 2.094 | 2.956 | 12.4 | 20.2 | 7 10 | 16 42.14 | -16 56.4 | 2.640 | 3.506 | 10.0 | 18.7 |
| 504999 | 2011 KS ₉ | | 6 7.6 163°67' | 0.8/ 7.5 | 17 | | 481020 | 2004 TZ ₁₀₅ | | 6 7.6 307°19' | 11.3/ 8.3 | 18 | |
| 5 1 | 17 32.21 | -19 0.1 | 1.953 | 2.778 | 14.3 | 20.8 | 5 1 | 17 41.10 | -52 57.2 | 2.307 | 3.025 | 15.4 | 20.5 |
| 5 11 | 17 27.30 | -19 23.9 | 1.871 | 2.780 | 11.1 | 20.6 | 5 11 | 17 35.79 | -54 42.8 | 2.224 | 3.015 | 13.9 | 20.3 |
| 5 21 | 17 20.02 | -19 50.2 | 1.811 | 2.781 | 7.4 | 20.3 | 5 21 | 17 26.67 | -56 13.9 | 2.160 | 3.005 | 12.5 | 20.2 |
| 5 31 | 17 10.96 | -20 18.0 | 1.776 | 2.782 | 3.3 | 20.1 | 5 31 | 17 14.29 | -57 22.5 | 2.117 | 2.995 | 11.6 | 20.1 |
| 6 10 | 17 1.06 | -20 46.2 | 1.769 | 2.783 | 1.3 | 19.9 | 6 10 | 16 59.96 | -58 2.0 | 2.097 | 2.985 | 11.3 | 20.1 |
| 6 20 | 16 51.34 | -21 14.2 | 1.789 | 2.784 | 5.4 | 20.2 | 6 20 | 16 45.49 | -58 9.9 | 2.100 | 2.976 | 11.8 | 20.1 |
| 6 30 | 16 42.84 | -21 42.0 | 1.836 | 2.784 | 9.3 | 20.5 | 6 30 | 16 32.81 | -57 48.4 | 2.124 | 2.966 | 13.0 | 20.2 |
| 7 10 | 16 36.37 | -22 10.1 | 1.907 | 2.785 | 12.8 | 20.7 | 7 10 | 16 23.44 | -57 4.3 | 2.169 | 2.957 | 14.6 | 20.3 |
| 342775 | 2008 WO ₁₀₂ | | 6 7.6 287°27' | 6.3/ 6.5 | 18 | | 133227 | 2003 QW ₉₄ | | 6 7.6 254°58' | 3.1/ 8.0 | 18 | |
| 5 1 | 17 30.71 | - 7 6.5 | 1.908 | 2.724 | 14.9 | 21.2 | 5 1 | 17 34.08 | -30 17.2 | 2.297 | 3.102 | 13.0 | 20.6 |
| 5 11 | 17 26.40 | - 6 42.1 | 1.799 | 2.692 | 12.3 | 21.0 | 5 11 | 17 28.86 | -30 53.3 | 2.189 | 3.082 | 10.4 | 20.4 |
| 5 21 | 17 19.65 | - 6 26.3 | 1.710 | 2.660 | 9.4 | 20.7 | 5 21 | 17 21.19 | -31 24.9 | 2.104 | 3.061 | 7.4 | 20.2 |
| 5 31 | 17 10.92 | - 6 22.5 | 1.645 | 2.628 | 6.9 | 20.5 | 5 31 | 17 11.58 | -31 49.1 | 2.044 | 3.040 | 4.4 | 20.0 |
| 6 10 | 17 1.04 | - 6 33.5 | 1.606 | 2.595 | 6.5 | 20.4 | 6 10 | 17 0.89 | -32 3.6 | 2.013 | 3.019 | 3.2 | 19.8 |
| 6 20 | 16 51.00 | - 7 0.5 | 1.593 | 2.562 | 8.7 | 20.4 | 6 20 | 16 50.15 | -32 7.5 | 2.009 | 2.996 | 5.6 | 19.9 |
| 6 30 | 16 41.91 | - 7 43.3 | 1.605 | 2.528 | 12.1 | 20.6 | 6 30 | 16 40.45 | -32 2.2 | 2.032 | 2.974 | 9.0 | 20.1 |
| 7 10 | 16 34.71 | - 8 40.1 | 1.639 | 2.494 | 15.6 | 20.7 | 7 10 | 16 32.71 | -31 50.6 | 2.080 | 2.950 | 12.2 | 20.3 |
| 478099 | 2011 UV ₆₁ | | 6 7.6 211°02' | 0.7/ 7.7 | 18 | | 114131 | 2002 VE ₅₃ | | 6 7.6 212°66' | 0.7/ 7.7 | 18 | |
| 5 1 | 17 30.01 | -24 0.5 | | | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|--------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 36776 | 2000 <i>RV</i> ₁₀₂ | | 6 7.6 135°11 | 4°0/ 9.0 18 | | | 109904 | 2001 <i>ST</i> ₂₁ | | 6 7.6 167°20 | 0°3/ 7.5 18 | | |
| 5 1 | 17 31.85 | -36 0.0 | 2.327 | 3.124 | 13.1 | 18.9 | 5 1 | 17 33.12 | -21 36.2 | 2.078 | 2.898 | 13.7 | 20.0 |
| 5 11 | 17 26.85 | -36 5.6 | 2.243 | 3.126 | 10.6 | 18.7 | 5 11 | 17 27.84 | -21 41.2 | 1.996 | 2.902 | 10.6 | 19.8 |
| 5 21 | 17 19.59 | -36 0.6 | 2.181 | 3.128 | 7.8 | 18.5 | 5 21 | 17 20.29 | -21 45.1 | 1.937 | 2.906 | 7.1 | 19.6 |
| 5 31 | 17 10.74 | -35 42.9 | 2.143 | 3.130 | 5.2 | 18.4 | 5 31 | 17 11.09 | -21 47.6 | 1.903 | 2.908 | 3.1 | 19.3 |
| 6 10 | 17 1.22 | -35 11.9 | 2.133 | 3.132 | 4.0 | 18.3 | 6 10 | 17 1.14 | -21 48.3 | 1.897 | 2.911 | 1.1 | 19.2 |
| 6 20 | 16 52.04 | -34 29.0 | 2.150 | 3.134 | 5.6 | 18.4 | 6 20 | 16 51.44 | -21 48.0 | 1.919 | 2.913 | 5.1 | 19.5 |
| 6 30 | 16 44.15 | -33 37.5 | 2.194 | 3.135 | 8.4 | 18.6 | 6 30 | 16 42.96 | -21 47.7 | 1.968 | 2.914 | 8.9 | 19.7 |
| 7 10 | 16 38.25 | -32 42.2 | 2.262 | 3.137 | 11.2 | 18.7 | 7 10 | 16 36.44 | -21 49.3 | 2.040 | 2.915 | 12.2 | 19.9 |
| 371110 | 2005 <i>VB</i> ₇₅ | | 6 7.6 182°42 | 1°2/ 7.9 17 | | | 263170 | 2007 <i>WX</i> ₂₀ | | 6 7.6 115°09 | 2°9/ 7.0 17 | | |
| 5 1 | 17 33.93 | -26 31.9 | 2.532 | 3.336 | 12.0 | 23.4 | 5 1 | 17 28.84 | -13 31.1 | 2.420 | 3.236 | 12.1 | 21.0 |
| 5 11 | 17 28.15 | -26 43.2 | 2.442 | 3.338 | 9.4 | 23.2 | 5 11 | 17 24.07 | -13 23.4 | 2.346 | 3.247 | 9.5 | 20.8 |
| 5 21 | 17 20.34 | -26 50.8 | 2.375 | 3.338 | 6.3 | 23.0 | 5 21 | 17 17.55 | -13 19.6 | 2.295 | 3.257 | 6.6 | 20.7 |
| 5 31 | 17 11.06 | -26 53.2 | 2.335 | 3.338 | 3.1 | 22.8 | 5 31 | 17 9.81 | -13 20.5 | 2.269 | 3.267 | 3.8 | 20.5 |
| 6 10 | 17 1.11 | -26 49.9 | 2.324 | 3.336 | 1.4 | 22.6 | 6 10 | 17 1.56 | -13 27.0 | 2.272 | 3.277 | 3.1 | 20.5 |
| 6 20 | 16 51.35 | -26 41.3 | 2.342 | 3.334 | 4.5 | 22.9 | 6 20 | 16 53.55 | -13 39.2 | 2.303 | 3.286 | 5.3 | 20.6 |
| 6 30 | 16 42.63 | -26 29.1 | 2.388 | 3.332 | 7.7 | 23.1 | 6 30 | 16 46.50 | -13 57.4 | 2.361 | 3.296 | 8.2 | 20.8 |
| 7 10 | 16 35.63 | -26 15.6 | 2.460 | 3.328 | 10.6 | 23.2 | 7 10 | 16 40.98 | -14 21.1 | 2.443 | 3.305 | 10.9 | 21.0 |
| 114764 | 2003 <i>JJ</i> ₁ | | 6 7.6 307°24 | 0°3/ 7.6 18 | | | 2550 | Houssay | | 6 7.6 225°66 | 4°0/ 6.3 18 | | |
| 5 1 | 17 31.34 | -21 59.4 | 1.293 | 2.147 | 18.5 | 19.4 | 5 1 | 17 26.51 | -9 48.4 | 2.833 | 3.640 | 10.8 | 17.2 |
| 5 11 | 17 28.05 | -22 21.9 | 1.210 | 2.134 | 14.6 | 19.1 | 5 11 | 17 22.12 | -9 19.5 | 2.740 | 3.632 | 8.6 | 17.1 |
| 5 21 | 17 21.33 | -22 45.4 | 1.146 | 2.122 | 9.8 | 18.8 | 5 21 | 17 16.22 | -8 54.9 | 2.671 | 3.623 | 6.3 | 16.9 |
| 5 31 | 17 11.83 | -23 8.1 | 1.103 | 2.110 | 4.4 | 18.4 | 5 31 | 17 9.23 | -8 36.3 | 2.628 | 3.614 | 4.4 | 16.8 |
| 6 10 | 17 0.81 | -23 28.3 | 1.084 | 2.098 | 1.4 | 18.2 | 6 10 | 17 1.74 | -8 25.5 | 2.614 | 3.605 | 4.1 | 16.7 |
| 6 20 | 16 49.87 | -23 45.2 | 1.089 | 2.087 | 7.2 | 18.5 | 6 20 | 16 54.35 | -8 23.3 | 2.627 | 3.595 | 5.8 | 16.8 |
| 6 30 | 16 40.68 | -23 59.9 | 1.116 | 2.076 | 12.6 | 18.8 | 6 30 | 16 47.70 | -8 30.2 | 2.668 | 3.585 | 8.1 | 17.0 |
| 7 10 | 16 34.48 | -24 14.7 | 1.164 | 2.066 | 17.4 | 19.0 | 7 10 | 16 42.30 | -8 45.9 | 2.732 | 3.575 | 10.5 | 17.1 |
| 263637 | 2008 <i>GC</i> ₇₀ | | 6 7.6 251°41 | 3°5/ 6.8 18 | | | 214849 | 2006 <i>WY</i> ₉₅ | | 6 7.6 321°97 | 1°6/ 7.2 16 | | |
| 5 1 | 17 26.91 | -11 43.3 | 2.485 | 3.301 | 11.8 | 20.7 | 5 1 | 17 27.25 | -19 45.9 | 1.937 | 2.772 | 14.0 | 21.0 |
| 5 11 | 17 22.64 | -11 30.1 | 2.398 | 3.297 | 9.4 | 20.5 | 5 11 | 17 23.53 | -19 25.8 | 1.848 | 2.763 | 10.9 | 20.8 |
| 5 21 | 17 16.65 | -11 21.6 | 2.334 | 3.294 | 6.7 | 20.3 | 5 21 | 17 17.56 | -19 4.6 | 1.782 | 2.754 | 7.3 | 20.6 |
| 5 31 | 17 9.42 | -11 19.1 | 2.296 | 3.290 | 4.2 | 20.2 | 5 31 | 17 9.93 | -18 43.3 | 1.740 | 2.745 | 3.4 | 20.3 |
| 6 10 | 17 1.63 | -11 23.6 | 2.286 | 3.286 | 3.7 | 20.1 | 6 10 | 17 1.51 | -18 23.3 | 1.725 | 2.737 | 2.0 | 20.2 |
| 6 20 | 16 53.98 | -11 35.6 | 2.304 | 3.282 | 5.7 | 20.2 | 6 20 | 16 53.27 | -18 6.3 | 1.736 | 2.729 | 5.7 | 20.4 |
| 6 30 | 16 47.18 | -11 55.4 | 2.348 | 3.278 | 8.5 | 20.4 | 6 30 | 16 46.18 | -17 54.0 | 1.773 | 2.722 | 9.5 | 20.6 |
| 7 10 | 16 41.83 | -12 22.2 | 2.416 | 3.275 | 11.1 | 20.6 | 7 10 | 16 41.00 | -17 47.9 | 1.832 | 2.714 | 13.0 | 20.8 |
| 158429 | 2002 <i>BH</i> ₂₆ | | 6 7.6 176°19 | 8°6/ 7.6 18 | | | 192739 | 1999 <i>TZ</i> ₂₁₃ | | 6 7.6 125°59 | 5°3/ 8.3 18 | | |
| 5 1 | 17 45.43 | -43 23.6 | 2.238 | 2.991 | 14.9 | 20.2 | 5 1 | 17 34.97 | -34 41.0 | 1.941 | 2.747 | 15.1 | 20.0 |
| 5 11 | 17 38.52 | -45 15.6 | 2.156 | 2.993 | 12.8 | 20.0 | 5 11 | 17 29.92 | -35 37.1 | 1.862 | 2.750 | 12.2 | 19.8 |
| 5 21 | 17 28.14 | -46 57.9 | 2.096 | 2.995 | 10.7 | 19.9 | 5 21 | 17 22.03 | -36 25.3 | 1.804 | 2.752 | 9.1 | 19.6 |
| 5 31 | 17 14.84 | -48 21.9 | 2.061 | 2.996 | 9.1 | 19.8 | 5 31 | 17 11.97 | -37 0.7 | 1.771 | 2.755 | 6.3 | 19.4 |
| 6 10 | 16 59.83 | -49 21.0 | 2.053 | 2.996 | 8.7 | 19.7 | 6 10 | 17 0.85 | -37 20.0 | 1.763 | 2.758 | 5.3 | 19.4 |
| 6 20 | 16 44.68 | -49 52.4 | 2.072 | 2.997 | 9.7 | 19.8 | 6 20 | 16 49.96 | -37 22.4 | 1.782 | 2.760 | 7.1 | 19.5 |
| 6 30 | 16 31.07 | -49 57.6 | 2.115 | 2.996 | 11.6 | 19.9 | 6 30 | 16 40.57 | -37 10.3 | 1.826 | 2.762 | 10.1 | 19.7 |
| 7 10 | 16 20.34 | -49 43.0 | 2.181 | 2.995 | 13.7 | 20.1 | 7 10 | 16 33.64 | -36 48.4 | 1.893 | 2.765 | 13.1 | 19.9 |
| 314046 | 2005 <i>AB</i> ₁₂ | | 6 7.6 200°28 | 3°2/ 8.2 17 | | | 232502 | 2003 <i>QH</i> ₂₅ | | 6 7.6 214°65 | 4°3/ 6.4 18 | | |
| 5 1 | 17 37.29 | -30 54.6 | 1.935 | 2.743 | 15.0 | 21.4 | 5 1 | 17 29.44 | -11 23.8 | 2.284 | 3.099 | 12.8 | 20.9 |
| 5 11 | 17 31.58 | -31 16.0 | 1.845 | 2.740 | 12.0 | 21.1 | 5 11 | 17 24.74 | -10 49.1 | 2.195 | 3.093 | 10.2 | 20.7 |
| 5 21 | 17 23.05 | -31 30.3 | 1.777 | 2.735 | 8.4 | 20.9 | 5 21 | 17 18.13 | -10 18.3 | 2.129 | 3.087 | 7.4 | 20.5 |
| 5 31 | 17 12.38 | -31 34.0 | 1.733 | 2.730 | 4.8 | 20.7 | 5 31 | 17 10.13 | -9 53.7 | 2.089 | 3.080 | 4.9 | 20.4 |
| 6 10 | 17 0.68 | -31 25.4 | 1.717 | 2.724 | 3.3 | 20.6 | 6 10 | 17 1.47 | -9 37.3 | 2.076 | 3.072 | 4.5 | 20.3 |
| 6 20 | 16 49.20 | -31 5.0 | 1.728 | 2.717 | 6.1 | 20.7 | 6 20 | 16 52.98 | -9 30.6 | 2.091 | 3.064 | 6.6 | 20.4 |
| 6 30 | 16 39.20 | -30 35.9 | 1.765 | 2.710 | 9.8 | 20.9 | 6 30 | 16 45.44 | -9 34.4 | 2.132 | 3.056 | 9.5 | 20.6 |
| 7 10 | 16 31.62 | -30 2.6 | 1.826 | 2.702 | 13.4 | 21.1 | 7 10 | 16 39.51 | -9 48.5 | 2.196 | 3.047 | 12.3 | 20.8 |
| 417873 | 2007 <i>NJ</i> ₄ | | 6 7.6 321°80 | 1°3/ 7.3 17 | | | 8979 | Clanga | | 6 7.6 277°34 | 0°3/ 7.5 17 | | |
| 5 1 | 17 25.32 | -23 10.9 | 1.076 | 1.950 | 19.9 | 20.2 | 5 1 | 17 32.90 | -22 11.4 | 1.326 | 2.175 | 18.4 | 18.0 |
| 5 11 | 17 23.97 | -22 36.5 | 0.989 | 1.926 | 15.8 | 19.9 | 5 11 | 17 29.22 | -22 11.7 | 1.238 | 2.160 | 14.5 | 17.8 |
| 5 21 | 17 18.95 | -21 53.8 | 0.920 | 1.902 | 10.7 | 19.5 | 5 21 | 17 22.10 | -22 10.3 | 1.170 | 2.145 | 9.8 | 17.4 |
| 5 31 | 17 10.89 | -21 3.7 | 0.870 | 1.879 | 4.8 | 19.1 | 5 31 | 17 12.19 | -22 6.3 | 1.123 | 2.130 | 4.4 | 17.1 |
| 6 10 | 17 1.12 | -20 9.1 | 0.842 | 1.857 | 2.2 | 18.8 | 6 10 | 17 0.77 | -21 59.6 | 1.101 | 2.115 | 1.5 | 16.8 |
| 6 20 | 16 51.38 | -19 15.1 | 0.836 | 1.836 | 8.4 | 19.1 | 6 20 | 16 49.43 | -21 51.2 | 1.102 | 2.100 | 7.3 | 17.2 |
| 6 30 | 16 43.53 | -18 28.0 | 0.850 | 1.816 | 14.6 | 19.4 | 6 30 | 16 39.81 | -21 43.8 | 1.127 | 2.085 | 12.8 | 17.4 |
| 7 10 | 16 38.95 | -17 53.4 | 0.881 | 1.798 | 20.1 | 19.6 | 7 10 | 16 33.17 | -21 40.4 | 1.172 | 2.069 | 17.6 | 17.6 |
| 127009 | 2002 <i>GK</i> ₁₁ | | 6 7.6 169°22 | 10°9/ 3.5 18 | | | 212455 | 2006 <i>QA</i> ₂₀ | | 6 7.6 345°51 | 7°2/ 8.8 17 | | |
| 5 1 | 17 28.26 | + 4 3.3 | 1.988 | 2.772 | 15.5 | 19.5 | 5 1 | 17 19.00 | -33 47.9 | 0.907 | 1.790 | 22.0 | 19.3 |
| 5 11 | 17 23.96 | + 5 41.2 | 1.924 | 2.773 | 13.6 | 19.3 | 5 11 | 17 19.90 | -34 34.2 | 0.836 | 1.771 | 18.1 | 19.0 |
| 5 21 | 17 17.64 | + 7 5.3 | 1.880 | 2.774 | 11.9 | 19.2 | 5 21 | 17 16.68 | -35 6.6 | 0.780 | 1.753 | 13.5 | 18.7 |
| 5 31 | 17 9.88 | + 8 9.0 | 1.859 | 2.775 | 11.0 | 19.1 | 5 31 | 17 10.00 | -35 18.3 | 0.741 | 1.739 | 9.1 | 18.4 |
| 6 10 | 17 1.51 | + 8 47.6 | 1.862 | 2.776 | 11.2 | 19.2 | 6 10 | 17 1.46 | -35 4.5 | 0.721 | 1.726 | 7.2 | 18.2 |
| 6 20 | 16 53.40 | + 8 58.8 | 1.887 | 2.776 | 12.3 | 19.2 | 6 20 | 16 53.14 | -34 25.3 | 0.719 | 1.716 | 10.2 | 18.3 |
| 6 30 | 16 46.40 | + 8 43.4 | 1.935 | 2.777 | 14.1 | 19.4 | 6 30 | 16 47.23 | -33 27.2 | 0.736 | 1.709 | 15.2 | 18.5 |
| 7 10 | 16 41.14 | + 8 4.5 | 2.001 | 2.777 | 16.0 | 19.5 | 7 10 | 16 45.21 | -32 20.1 | 0.769 | 1.704 | 20.1 | 18.8 |
| 141878 | 2002 <i>PT</i> ₄₃ | | 6 7.6 248°32 | 2°5/ 6.9 18 | | | 473242 | 2015 <i>LH</i> ₃₂ | | 6 7.6 214°86 | 1°7/ 7.2 18 | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|-------------|---------|------|---------------|------------------------|-----------------|--------------|-------------|---------|------|
| 499364 | 2009 YJ ₂₀ | | 6 7.6 209°87 | 1°5/ 7.3 18 | | | 3006 | Livadia | | 6 7.6 261°10 | 1°9/ 7.9 18 | | |
| 5 1 | 17 32.06 | -18 18.2 | 2.428 | 3.241 | 12.2 | 22.6 | 5 1 | 17 33.66 | -27 9.6 | 1.814 | 2.638 | 15.2 | 18.3 |
| 5 11 | 17 26.75 | -18 13.9 | 2.332 | 3.233 | 9.5 | 22.4 | 5 11 | 17 29.03 | -27 23.5 | 1.714 | 2.620 | 12.1 | 18.1 |
| 5 21 | 17 19.48 | -18 10.2 | 2.259 | 3.225 | 6.4 | 22.2 | 5 21 | 17 21.58 | -27 32.7 | 1.635 | 2.602 | 8.3 | 17.8 |
| 5 31 | 17 10.74 | -18 7.5 | 2.213 | 3.217 | 3.1 | 22.0 | 5 31 | 17 11.88 | -27 35.0 | 1.581 | 2.584 | 4.1 | 17.5 |
| 6 10 | 17 1.28 | -18 6.2 | 2.195 | 3.207 | 1.8 | 21.9 | 6 10 | 17 0.97 | -27 29.0 | 1.553 | 2.565 | 2.1 | 17.3 |
| 6 20 | 16 51.95 | -18 6.9 | 2.207 | 3.197 | 4.9 | 22.1 | 6 20 | 16 50.09 | -27 15.1 | 1.551 | 2.546 | 6.0 | 17.6 |
| 6 30 | 16 43.56 | -18 10.4 | 2.246 | 3.186 | 8.3 | 22.2 | 6 30 | 16 40.55 | -26 55.6 | 1.576 | 2.527 | 10.3 | 17.8 |
| 7 10 | 16 36.80 | -18 17.7 | 2.310 | 3.174 | 11.3 | 22.4 | 7 10 | 16 33.38 | -26 34.5 | 1.623 | 2.507 | 14.3 | 18.0 |
| 388714 | 2007 VC ₁₁₅ | | 6 7.6 195°56 | 1°0/ 7.4 17 | | | 362931 | 2012 ES ₄ | | 6 7.6 337°14 | 4°4/ 6.2 18 | | |
| 5 1 | 17 29.44 | -20 9.2 | 2.230 | 3.054 | 12.8 | 21.8 | 5 1 | 17 25.01 | -9 56.5 | 2.539 | 3.356 | 11.6 | 20.3 |
| 5 11 | 17 24.86 | -20 5.3 | 2.145 | 3.053 | 9.9 | 21.6 | 5 11 | 17 21.13 | -9 20.5 | 2.457 | 3.353 | 9.3 | 20.1 |
| 5 21 | 17 18.27 | -20 1.0 | 2.082 | 3.052 | 6.6 | 21.4 | 5 21 | 17 15.64 | -8 49.2 | 2.397 | 3.351 | 6.8 | 19.9 |
| 5 31 | 17 10.20 | -19 56.5 | 2.045 | 3.051 | 3.0 | 21.2 | 5 31 | 17 9.03 | -8 24.6 | 2.364 | 3.350 | 4.8 | 19.8 |
| 6 10 | 17 1.47 | -19 52.3 | 2.036 | 3.049 | 1.4 | 21.1 | 6 10 | 17 1.91 | -8 8.7 | 2.357 | 3.348 | 4.5 | 19.8 |
| 6 20 | 16 52.93 | -19 49.0 | 2.054 | 3.048 | 4.9 | 21.3 | 6 20 | 16 54.97 | -8 2.8 | 2.378 | 3.346 | 6.3 | 19.9 |
| 6 30 | 16 45.44 | -19 47.9 | 2.100 | 3.046 | 8.4 | 21.5 | 6 30 | 16 48.85 | -8 7.3 | 2.425 | 3.345 | 8.7 | 20.0 |
| 7 10 | 16 39.67 | -19 50.1 | 2.169 | 3.044 | 11.6 | 21.7 | 7 10 | 16 44.09 | -8 21.9 | 2.495 | 3.343 | 11.1 | 20.2 |
| 145463 | 2005 SU ₁₁₂ | | 6 7.6 224°91 | 0°8/ 7.9 18 | | | 376900 | 2001 XQ ₂₃₇ | | 6 7.6 237°09 | 1°2/ 7.8 17 | | |
| 5 1 | 17 29.18 | -26 53.5 | 2.474 | 3.289 | 11.9 | 20.4 | 5 1 | 17 33.51 | -25 0.7 | 2.023 | 2.843 | 14.0 | 22.1 |
| 5 11 | 17 24.53 | -26 38.7 | 2.383 | 3.285 | 9.3 | 20.2 | 5 11 | 17 28.52 | -25 21.2 | 1.927 | 2.831 | 11.0 | 21.9 |
| 5 21 | 17 17.97 | -26 18.7 | 2.314 | 3.281 | 6.3 | 20.0 | 5 21 | 17 21.02 | -25 39.5 | 1.852 | 2.820 | 7.5 | 21.6 |
| 5 31 | 17 10.05 | -25 52.9 | 2.272 | 3.276 | 2.9 | 19.8 | 5 31 | 17 11.57 | -25 53.7 | 1.803 | 2.807 | 3.5 | 21.4 |
| 6 10 | 17 1.52 | -25 22.0 | 2.258 | 3.271 | 1.1 | 19.6 | 6 10 | 17 1.10 | -26 2.6 | 1.781 | 2.795 | 1.5 | 21.2 |
| 6 20 | 16 53.21 | -24 47.6 | 2.272 | 3.267 | 4.4 | 19.8 | 6 20 | 16 50.71 | -26 5.9 | 1.787 | 2.782 | 5.4 | 21.4 |
| 6 30 | 16 45.92 | -24 12.1 | 2.314 | 3.262 | 7.7 | 20.0 | 6 30 | 16 41.50 | -26 5.1 | 1.820 | 2.768 | 9.4 | 21.6 |
| 7 10 | 16 40.27 | -23 38.3 | 2.380 | 3.257 | 10.6 | 20.2 | 7 10 | 16 34.38 | -26 2.6 | 1.876 | 2.754 | 12.9 | 21.8 |
| 336338 | 2008 TJ ₁₀₂ | | 6 7.6 197°75 | 1°3/ 7.3 18 | | | 156931 | 2003 FU ₈₃ | | 6 7.6 47°28 | 6°1/ 7.8 18 | | |
| 5 1 | 17 30.62 | -20 6.8 | 2.079 | 2.904 | 13.5 | 21.8 | 5 1 | 17 36.85 | -32 40.3 | 1.591 | 2.411 | 17.2 | 19.3 |
| 5 11 | 17 25.91 | -19 52.2 | 1.993 | 2.902 | 10.5 | 21.6 | 5 11 | 17 32.00 | -34 11.1 | 1.522 | 2.419 | 13.9 | 19.1 |
| 5 21 | 17 19.03 | -19 36.7 | 1.930 | 2.900 | 7.0 | 21.4 | 5 21 | 17 23.78 | -35 36.2 | 1.474 | 2.427 | 10.3 | 18.9 |
| 5 31 | 17 10.55 | -19 20.7 | 1.893 | 2.898 | 3.2 | 21.1 | 5 31 | 17 12.91 | -36 48.4 | 1.449 | 2.436 | 7.1 | 18.8 |
| 6 10 | 17 1.36 | -19 5.1 | 1.883 | 2.896 | 1.7 | 21.0 | 6 10 | 17 0.70 | -37 42.0 | 1.450 | 2.445 | 6.1 | 18.7 |
| 6 20 | 16 52.39 | -18 51.4 | 1.900 | 2.893 | 5.3 | 21.2 | 6 20 | 16 48.73 | -38 14.4 | 1.476 | 2.454 | 8.3 | 18.9 |
| 6 30 | 16 44.58 | -18 41.1 | 1.944 | 2.890 | 9.0 | 21.5 | 6 30 | 16 38.58 | -38 27.3 | 1.526 | 2.463 | 11.7 | 19.1 |
| 7 10 | 16 38.63 | -18 35.7 | 2.012 | 2.887 | 12.3 | 21.7 | 7 10 | 16 31.40 | -38 26.3 | 1.598 | 2.472 | 15.0 | 19.3 |
| 509753 | 2008 TO ₁₂₀ | | 6 7.6 222°99 | 3°5/ 6.7 17 | | | 146192 | 2000 TK ₄₃ | | 6 7.6 245°11 | 4°6/ 6.6 18 | | |
| 5 1 | 17 30.14 | -13 24.7 | 2.324 | 3.139 | 12.6 | 22.4 | 5 1 | 17 27.51 | -9 21.7 | 2.327 | 3.142 | 12.6 | 19.8 |
| 5 11 | 17 25.31 | -12 57.3 | 2.230 | 3.130 | 10.0 | 22.2 | 5 11 | 17 23.24 | -8 57.4 | 2.242 | 3.138 | 10.1 | 19.6 |
| 5 21 | 17 18.53 | -12 32.5 | 2.159 | 3.120 | 7.0 | 22.0 | 5 21 | 17 17.15 | -8 39.0 | 2.179 | 3.133 | 7.4 | 19.4 |
| 5 31 | 17 10.33 | -12 12.3 | 2.114 | 3.109 | 4.3 | 21.8 | 5 31 | 17 9.74 | -8 28.6 | 2.142 | 3.128 | 5.2 | 19.3 |
| 6 10 | 17 1.43 | -11 58.3 | 2.096 | 3.098 | 3.7 | 21.7 | 6 10 | 17 1.73 | -8 27.9 | 2.131 | 3.123 | 4.8 | 19.2 |
| 6 20 | 16 52.66 | -11 51.8 | 2.107 | 3.086 | 6.1 | 21.8 | 6 20 | 16 53.87 | -8 37.7 | 2.148 | 3.118 | 6.7 | 19.3 |
| 6 30 | 16 44.82 | -11 53.7 | 2.144 | 3.074 | 9.2 | 22.0 | 6 30 | 16 46.92 | -8 58.1 | 2.190 | 3.113 | 9.3 | 19.5 |
| 7 10 | 16 38.60 | -12 4.2 | 2.206 | 3.061 | 12.1 | 22.2 | 7 10 | 16 41.50 | -9 28.0 | 2.256 | 3.108 | 12.0 | 19.7 |
| 322371 | 2011 LR ₁₁ | | 6 7.6 323°97 | 2°9/ 6.9 17 | | | 216287 | 2007 AE | | 6 7.6 255°06 | 0°2/ 7.6 18 | | |
| 5 1 | 17 27.86 | -17 37.3 | 1.665 | 2.507 | 15.5 | 20.6 | 5 1 | 17 29.86 | -22 5.9 | 2.332 | 3.152 | 12.4 | 20.4 |
| 5 11 | 17 24.32 | -17 2.9 | 1.581 | 2.499 | 12.2 | 20.3 | 5 11 | 17 25.24 | -22 29.1 | 2.242 | 3.148 | 9.6 | 20.2 |
| 5 21 | 17 18.26 | -16 28.2 | 1.518 | 2.490 | 8.3 | 20.1 | 5 21 | 17 18.58 | -22 52.3 | 2.175 | 3.144 | 6.4 | 20.0 |
| 5 31 | 17 10.30 | -15 55.5 | 1.479 | 2.482 | 4.4 | 19.8 | 5 31 | 17 10.42 | -23 14.4 | 2.134 | 3.140 | 2.9 | 19.7 |
| 6 10 | 17 1.46 | -15 27.2 | 1.465 | 2.474 | 3.3 | 19.7 | 6 10 | 17 1.51 | -23 34.5 | 2.122 | 3.136 | 0.9 | 19.6 |
| 6 20 | 16 52.83 | -15 5.6 | 1.477 | 2.467 | 6.9 | 19.9 | 6 20 | 16 52.72 | -23 52.3 | 2.137 | 3.132 | 4.6 | 19.8 |
| 6 30 | 16 45.52 | -14 53.0 | 1.513 | 2.460 | 11.0 | 20.1 | 6 30 | 16 44.91 | -24 8.1 | 2.180 | 3.128 | 8.1 | 20.0 |
| 7 10 | 16 40.38 | -14 50.5 | 1.571 | 2.454 | 14.7 | 20.4 | 7 10 | 16 38.79 | -24 23.2 | 2.247 | 3.124 | 11.1 | 20.2 |
| 46832 | 1998 QQ ₁ | | 6 7.6 215°35 | 2°5/ 7.0 18 | | | 165202 | 2000 RV ₆₆ | | 6 7.6 201°78 | 1°7/ 7.3 17 | | |
| 5 1 | 17 32.57 | -17 0.8 | 2.033 | 2.854 | 13.9 | 19.5 | 5 1 | 17 34.59 | -18 37.5 | 1.919 | 2.740 | 14.6 | 20.6 |
| 5 11 | 17 27.51 | -16 41.2 | 1.941 | 2.847 | 10.9 | 19.3 | 5 11 | 17 29.24 | -18 31.2 | 1.830 | 2.736 | 11.4 | 20.4 |
| 5 21 | 17 20.16 | -16 22.4 | 1.872 | 2.838 | 7.4 | 19.1 | 5 21 | 17 21.41 | -18 25.7 | 1.763 | 2.732 | 7.7 | 20.2 |
| 5 31 | 17 11.10 | -16 5.8 | 1.828 | 2.830 | 3.9 | 18.8 | 5 31 | 17 11.71 | -18 21.1 | 1.722 | 2.726 | 3.7 | 19.9 |
| 6 10 | 17 1.21 | -15 52.4 | 1.811 | 2.820 | 2.8 | 18.7 | 6 10 | 17 1.10 | -18 18.0 | 1.708 | 2.720 | 2.1 | 19.8 |
| 6 20 | 16 51.47 | -15 43.8 | 1.822 | 2.811 | 6.0 | 18.9 | 6 20 | 16 50.68 | -18 17.2 | 1.721 | 2.713 | 5.9 | 20.0 |
| 6 30 | 16 42.88 | -15 41.2 | 1.860 | 2.800 | 9.7 | 19.1 | 6 30 | 16 41.51 | -18 19.9 | 1.761 | 2.705 | 9.9 | 20.2 |
| 7 10 | 16 36.21 | -15 45.6 | 1.921 | 2.789 | 13.1 | 19.3 | 7 10 | 16 34.45 | -18 27.3 | 1.825 | 2.697 | 13.5 | 20.4 |
| 394034 | 2005 WU ₅₉ | | 6 7.6 272°81 | 7°3/ 4.4 18 | | | 503506 | 2016 FP | | 6 7.6 154°47 | 1°2/ 7.4 17 | | |
| 5 1 | 17 27.08 | -0 56.1 | 2.632 | 3.418 | 12.1 | 21.2 | 5 1 | 17 33.39 | -21 30.7 | 1.491 | 2.332 | 17.2 | 22.3 |
| 5 11 | 17 22.79 | +0 6.4 | 2.528 | 3.391 | 10.3 | 21.0 | 5 11 | 17 28.88 | -21 9.8 | 1.417 | 2.334 | 13.4 | 22.1 |
| 5 21 | 17 16.82 | +1 1.5 | 2.447 | 3.364 | 8.6 | 20.9 | 5 21 | 17 21.40 | -20 46.1 | 1.362 | 2.336 | 8.9 | 21.8 |
| 5 31 | 17 9.58 | +1 45.1 | 2.391 | 3.335 | 7.5 | 20.7 | 5 31 | 17 11.74 | -20 20.3 | 1.331 | 2.337 | 4.0 | 21.5 |
| 6 10 | 17 1.68 | +2 13.8 | 2.361 | 3.307 | 7.6 | 20.7 | 6 10 | 17 1.11 | -19 53.7 | 1.325 | 2.339 | 1.8 | 21.4 |
| 6 20 | 16 53.78 | +2 25.6 | 2.357 | 3.278 | 8.9 | 20.7 | 6 20 | 16 50.88 | -19 28.8 | 1.345 | 2.340 | 6.6 | 21.7 |
| 6 30 | 16 46.59 | +2 19.6 | 2.378 | 3.249 | 10.9 | 20.8 | 6 30 | 16 42.32 | -19 8.5 | 1.389 | 2.342 | 11.3 | 22.0 |
| 7 10 | 16 40.71 | +1 57.0 | 2.421 | 3.219 | 13.0 | 20.9 | 7 10 | 16 36.36 | -18 55.4 | 1.455 | 2.343 | 15.4 | 22.2 |
| 464746 | 2003 RQ ₂₃ | | 6 7.6 284°10 | 1°4/ 7.4 17 | | | 276089 | 2002 DM ₁₁ | | 6 7.6 51°54 | 8°5/ 6.2 17 | | |
| 5 1 | 17 31.87 | -20 7.4 | 1.506 | 2.349 | 16.9 | 21.8 | 5 1 | 17 | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|---------------|-------|---------|------|---------------|-------------------------------|-----------------|-------------|-------|---------|------|
| 343478 | 2010 <i>ES</i> ₈₀ | 6 7.6 344°18 | 0°0/ 7.4 17 | | | | 268441 | 2005 <i>VH</i> ₁₂₈ | 6 7.6 129°32 | 2°1/ 7.2 17 | | | |
| 5 1 | 17 30.06 | -22 56.2 | 1.868 | 2.700 | 14.5 | 21.1 | 5 1 | 17 32.71 | -17 52.6 | 2.036 | 2.857 | 13.9 | 21.5 |
| 5 11 | 17 25.82 | -22 57.6 | 1.786 | 2.699 | 11.3 | 20.9 | 5 11 | 17 27.42 | -17 34.7 | 1.964 | 2.870 | 10.8 | 21.3 |
| 5 21 | 17 19.16 | -22 56.9 | 1.726 | 2.698 | 7.5 | 20.7 | 5 21 | 17 19.97 | -17 17.4 | 1.915 | 2.883 | 7.2 | 21.1 |
| 5 31 | 17 10.71 | -22 53.5 | 1.691 | 2.697 | 3.3 | 20.4 | 5 31 | 17 11.02 | -17 1.7 | 1.891 | 2.894 | 3.6 | 20.9 |
| 6 10 | 17 1.43 | -22 47.5 | 1.682 | 2.696 | 1.0 | 20.2 | 6 10 | 17 1.47 | -16 48.8 | 1.895 | 2.906 | 2.4 | 20.9 |
| 6 20 | 16 52.41 | -22 39.8 | 1.699 | 2.696 | 5.4 | 20.5 | 6 20 | 16 52.27 | -16 39.8 | 1.927 | 2.917 | 5.6 | 21.1 |
| 6 30 | 16 44.66 | -22 32.2 | 1.743 | 2.695 | 9.4 | 20.8 | 6 30 | 16 44.32 | -16 36.0 | 1.986 | 2.927 | 9.1 | 21.3 |
| 7 10 | 16 39.01 | -22 26.7 | 1.809 | 2.695 | 13.0 | 21.0 | 7 10 | 16 38.29 | -16 38.2 | 2.068 | 2.937 | 12.3 | 21.6 |
| 147487 | 2004 <i>CJ</i> ₅₆ | 6 7.6 68°50 | 1°1/ 7.4 17 | | | | 93619 | 2000 <i>UR</i> ₆₉ | 6 7.6 295°43 | 2°8/ 8.1 18 | | | |
| 5 1 | 17 32.72 | -20 30.0 | 1.495 | 2.336 | 17.1 | 20.6 | 5 1 | 17 32.34 | -28 42.6 | 1.717 | 2.545 | 15.8 | 20.6 |
| 5 11 | 17 28.18 | -20 24.9 | 1.433 | 2.350 | 13.2 | 20.4 | 5 11 | 17 28.45 | -29 6.5 | 1.607 | 2.514 | 12.7 | 20.3 |
| 5 21 | 17 20.81 | -20 19.5 | 1.391 | 2.364 | 8.8 | 20.2 | 5 21 | 17 21.52 | -29 25.5 | 1.517 | 2.484 | 8.9 | 20.0 |
| 5 31 | 17 11.43 | -20 13.7 | 1.372 | 2.378 | 3.9 | 19.9 | 5 31 | 17 12.05 | -29 36.5 | 1.451 | 2.453 | 4.8 | 19.7 |
| 6 10 | 17 1.25 | -20 8.1 | 1.379 | 2.392 | 1.7 | 19.8 | 6 10 | 17 1.06 | -29 37.0 | 1.411 | 2.421 | 3.0 | 19.5 |
| 6 20 | 16 51.58 | -20 3.9 | 1.411 | 2.407 | 6.3 | 20.1 | 6 20 | 16 49.89 | -29 26.6 | 1.396 | 2.390 | 6.6 | 19.6 |
| 6 30 | 16 43.60 | -20 2.6 | 1.468 | 2.421 | 10.8 | 20.4 | 6 30 | 16 40.01 | -29 7.4 | 1.406 | 2.359 | 11.2 | 19.8 |
| 7 10 | 16 38.15 | -20 6.1 | 1.546 | 2.435 | 14.6 | 20.7 | 7 10 | 16 32.63 | -28 43.7 | 1.438 | 2.327 | 15.5 | 20.0 |
| 357979 | 2006 <i>BW</i> ₁₈₄ | 6 7.6 0°55 | 4°2/ 7.5 17 | | | | 365081 | 2009 <i>BL</i> ₇₂ | 6 7.6 50°17 | 1°3/ 7.4 17 | | | |
| 5 1 | 17 22.93 | -14 16.1 | 0.884 | 1.773 | 21.8 | 19.4 | 5 1 | 17 32.55 | -21 57.5 | 1.190 | 2.047 | 19.6 | 20.7 |
| 5 11 | 17 22.21 | -14 19.0 | 0.826 | 1.769 | 17.3 | 19.1 | 5 11 | 17 28.60 | -21 30.9 | 1.137 | 2.063 | 15.1 | 20.5 |
| 5 21 | 17 17.75 | -14 32.3 | 0.784 | 1.766 | 12.0 | 18.8 | 5 21 | 17 21.32 | -21 1.2 | 1.103 | 2.080 | 10.0 | 20.3 |
| 5 31 | 17 10.36 | -14 58.2 | 0.760 | 1.765 | 6.5 | 18.5 | 5 31 | 17 11.71 | -20 29.4 | 1.090 | 2.097 | 4.5 | 20.0 |
| 6 10 | 17 1.55 | -15 37.2 | 0.755 | 1.767 | 4.5 | 18.4 | 6 10 | 17 1.29 | -19 57.8 | 1.101 | 2.115 | 2.0 | 19.9 |
| 6 20 | 16 53.13 | -16 27.6 | 0.771 | 1.770 | 9.2 | 18.7 | 6 20 | 16 51.59 | -19 29.4 | 1.136 | 2.133 | 7.2 | 20.2 |
| 6 30 | 16 46.86 | -17 26.9 | 0.806 | 1.775 | 14.7 | 19.0 | 6 30 | 16 44.00 | -19 7.7 | 1.193 | 2.151 | 12.2 | 20.6 |
| 7 10 | 16 43.94 | -18 31.9 | 0.858 | 1.783 | 19.6 | 19.3 | 7 10 | 16 39.35 | -18 54.9 | 1.271 | 2.170 | 16.4 | 20.9 |
| 213700 | 2002 <i>TB</i> ₂₈₈ | 6 7.6 163°34 | 9°1/ 4.0 18 R | | | | 176623 | 2002 <i>JH</i> ₁₉ | 6 7.6 348°59 | 3°0/ 7.4 17 | | | |
| 5 1 | 17 37.24 | -11 57.4 | 1.256 | 2.096 | 19.8 | 19.6 | 5 1 | 17 30.01 | -15 47.4 | 1.275 | 2.130 | 18.6 | 20.0 |
| 5 11 | 17 31.99 | -9 29.9 | 1.191 | 2.100 | 16.0 | 19.4 | 5 11 | 17 26.77 | -15 50.3 | 1.202 | 2.126 | 14.7 | 19.8 |
| 5 21 | 17 23.48 | -7 1.0 | 1.146 | 2.104 | 12.1 | 19.1 | 5 21 | 17 20.35 | -15 59.1 | 1.148 | 2.122 | 10.0 | 19.5 |
| 5 31 | 17 12.65 | -4 41.2 | 1.125 | 2.107 | 9.4 | 19.0 | 5 31 | 17 11.44 | -16 14.9 | 1.115 | 2.119 | 5.2 | 19.2 |
| 6 10 | 17 0.89 | -2 41.7 | 1.129 | 2.110 | 9.7 | 19.0 | 6 10 | 17 1.32 | -16 37.7 | 1.106 | 2.117 | 3.3 | 19.1 |
| 6 20 | 16 49.73 | -1 11.2 | 1.156 | 2.112 | 12.8 | 19.2 | 6 20 | 16 51.45 | -17 7.4 | 1.120 | 2.116 | 7.7 | 19.3 |
| 6 30 | 16 40.54 | -0 14.0 | 1.206 | 2.113 | 16.6 | 19.4 | 6 30 | 16 43.29 | -17 43.3 | 1.158 | 2.115 | 12.6 | 19.6 |
| 7 10 | 16 34.25 | + 0 11.3 | 1.274 | 2.113 | 20.1 | 19.7 | 7 10 | 16 37.94 | -18 24.8 | 1.215 | 2.114 | 17.0 | 19.9 |
| 390668 | 2002 <i>SL</i> ₅ | 6 7.6 171°67 | 15°4/ 8.8 18 | | | | 106253 | 2000 <i>UE</i> ₅₆ | 6 7.6 190°18 | 1°2/ 7.4 18 | | | |
| 5 1 | 17 56.62 | -51 39.8 | 1.460 | 2.205 | 21.8 | 21.5 | 5 1 | 17 34.75 | -20 19.4 | 2.020 | 2.839 | 14.1 | 21.0 |
| 5 11 | 17 50.35 | -54 5.2 | 1.395 | 2.209 | 19.6 | 21.3 | 5 11 | 17 29.22 | -20 5.9 | 1.933 | 2.838 | 11.0 | 20.8 |
| 5 21 | 17 37.92 | -56 12.3 | 1.347 | 2.213 | 17.5 | 21.2 | 5 21 | 17 21.33 | -19 51.2 | 1.868 | 2.836 | 7.4 | 20.6 |
| 5 31 | 17 19.88 | -57 44.8 | 1.319 | 2.215 | 15.9 | 21.1 | 5 31 | 17 11.70 | -19 35.5 | 1.828 | 2.833 | 3.4 | 20.3 |
| 6 10 | 16 58.51 | -58 29.5 | 1.311 | 2.217 | 15.5 | 21.1 | 6 10 | 17 1.26 | -19 19.6 | 1.817 | 2.830 | 1.7 | 20.2 |
| 6 20 | 16 37.33 | -58 21.9 | 1.324 | 2.217 | 16.2 | 21.1 | 6 20 | 16 51.05 | -19 4.8 | 1.833 | 2.826 | 5.5 | 20.4 |
| 6 30 | 16 19.93 | -57 28.9 | 1.356 | 2.217 | 17.9 | 21.2 | 6 30 | 16 42.09 | -18 53.1 | 1.877 | 2.821 | 9.4 | 20.6 |
| 7 10 | 16 8.45 | -56 5.9 | 1.406 | 2.216 | 20.1 | 21.4 | 7 10 | 16 35.15 | -18 46.2 | 1.944 | 2.815 | 12.9 | 20.8 |
| 319374 | 2006 <i>DX</i> ₈₄ | 6 7.6 234°43 | 0°5/ 7.5 17 | | | | 178564 | 1999 <i>VG</i> ₁₇₅ | 6 7.6 163°66 | 0°0/ 7.4 17 | | | |
| 5 1 | 17 31.23 | -22 24.5 | 2.082 | 2.905 | 13.6 | 21.7 | 5 1 | 17 34.33 | -22 14.0 | 1.776 | 2.604 | 15.4 | 21.0 |
| 5 11 | 17 26.53 | -22 13.3 | 1.989 | 2.897 | 10.6 | 21.5 | 5 11 | 17 29.26 | -22 25.0 | 1.697 | 2.607 | 12.0 | 20.8 |
| 5 21 | 17 19.57 | -21 59.5 | 1.918 | 2.888 | 7.1 | 21.2 | 5 21 | 17 21.53 | -22 35.1 | 1.640 | 2.610 | 8.0 | 20.5 |
| 5 31 | 17 10.92 | -21 43.1 | 1.873 | 2.878 | 3.1 | 21.0 | 5 31 | 17 11.83 | -22 43.0 | 1.607 | 2.613 | 3.5 | 20.3 |
| 6 10 | 17 1.45 | -21 24.7 | 1.854 | 2.869 | 1.1 | 20.8 | 6 10 | 17 1.23 | -22 48.2 | 1.600 | 2.615 | 1.1 | 20.1 |
| 6 20 | 16 52.14 | -21 5.6 | 1.864 | 2.859 | 5.2 | 21.1 | 6 20 | 16 50.90 | -22 51.0 | 1.621 | 2.617 | 5.7 | 20.4 |
| 6 30 | 16 43.97 | -20 48.0 | 1.900 | 2.848 | 9.1 | 21.3 | 6 30 | 16 42.00 | -22 52.9 | 1.668 | 2.618 | 9.9 | 20.6 |
| 7 10 | 16 37.72 | -20 34.0 | 1.960 | 2.838 | 12.5 | 21.5 | 7 10 | 16 35.40 | -22 56.0 | 1.737 | 2.619 | 13.6 | 20.9 |
| 440270 | 2004 <i>RG</i> ₁₂₆ | 6 7.6 323°88 | 5°1/ 6.2 16 | | | | 292240 | 2006 <i>SG</i> ₇₁ | 6 7.6 180°15 | 1°9/ 7.2 17 | | | |
| 5 1 | 17 25.80 | -10 20.7 | 2.077 | 2.903 | 13.5 | 21.5 | 5 1 | 17 32.44 | -18 52.4 | 1.729 | 2.561 | 15.5 | 21.5 |
| 5 11 | 17 22.19 | -9 37.9 | 1.991 | 2.894 | 10.8 | 21.3 | 5 11 | 17 27.77 | -18 35.9 | 1.649 | 2.561 | 12.1 | 21.3 |
| 5 21 | 17 16.60 | -8 59.8 | 1.928 | 2.885 | 8.0 | 21.1 | 5 21 | 17 20.52 | -18 19.5 | 1.591 | 2.562 | 8.1 | 21.0 |
| 5 31 | 17 9.58 | -8 29.5 | 1.889 | 2.877 | 5.6 | 20.9 | 5 31 | 17 11.38 | -18 4.0 | 1.557 | 2.562 | 3.9 | 20.8 |
| 6 10 | 17 1.88 | -8 9.6 | 1.876 | 2.869 | 5.3 | 20.9 | 6 10 | 17 1.37 | -17 50.6 | 1.550 | 2.562 | 2.3 | 20.7 |
| 6 20 | 16 54.33 | -8 1.9 | 1.890 | 2.861 | 7.4 | 21.0 | 6 20 | 16 51.65 | -17 40.7 | 1.569 | 2.561 | 6.2 | 20.9 |
| 6 30 | 16 47.78 | -8 7.1 | 1.928 | 2.853 | 10.3 | 21.2 | 6 30 | 16 43.32 | -17 36.0 | 1.613 | 2.561 | 10.4 | 21.1 |
| 7 10 | 16 42.89 | -8 24.7 | 1.988 | 2.846 | 13.2 | 21.3 | 7 10 | 16 37.23 | -17 37.8 | 1.680 | 2.560 | 14.1 | 21.4 |
| 370994 | 2005 <i>TC</i> ₄₂ | 6 7.6 146°70 | 4°4/ 8.8 17 | | | | 341201 | 2007 <i>RV</i> ₈₀ | 6 7.7 225°09 | 4°2/ 6.4 18 | | | |
| 5 1 | 17 37.96 | -36 17.8 | 2.512 | 3.292 | 12.7 | 22.3 | 5 1 | 17 29.11 | -11 25.9 | 2.348 | 3.162 | 12.5 | 21.3 |
| 5 11 | 17 31.46 | -36 51.2 | 2.434 | 3.305 | 10.3 | 22.2 | 5 11 | 17 24.51 | -10 51.2 | 2.257 | 3.154 | 10.0 | 21.1 |
| 5 21 | 17 22.66 | -37 15.5 | 2.379 | 3.318 | 7.7 | 22.0 | 5 21 | 17 18.05 | -10 20.1 | 2.188 | 3.145 | 7.2 | 20.9 |
| 5 31 | 17 12.22 | -37 27.4 | 2.350 | 3.330 | 5.3 | 21.9 | 5 31 | 17 10.22 | -9 55.0 | 2.146 | 3.136 | 4.8 | 20.8 |
| 6 10 | 17 1.08 | -37 25.2 | 2.348 | 3.340 | 4.4 | 21.9 | 6 10 | 17 1.74 | -9 37.8 | 2.131 | 3.126 | 4.4 | 20.7 |
| 6 20 | 16 50.26 | -37 9.3 | 2.376 | 3.351 | 5.8 | 22.0 | 6 20 | 16 53.39 | -9 30.1 | 2.143 | 3.116 | 6.5 | 20.8 |
| 6 30 | 16 40.74 | -36 42.1 | 2.430 | 3.360 | 8.3 | 22.1 | 6 30 | 16 45.97 | -9 32.7 | 2.182 | 3.106 | 9.3 | 21.0 |
| 7 10 | 16 33.26 | -36 8.0 | 2.510 | 3.369 | 10.7 | 22.3 | 7 10 | 16 40.09 | -9 45.4 | 2.244 | 3.095 | 12.1 | 21.1 |
| 301393 | 2009 <i>DB</i> ₂₉ | 6 7.6 335°23 | 1°3/ 7.3 16 | | | | 150675 | 2001 <i>NF</i> ₁₆ | 6 | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|---------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 263219 | 2008 <i>AL</i> ₃₇ | | 6 7.7 213°08 | 4°3/ 6.9 17 | | | 424814 | 2008 <i>UX</i> ₁₃₂ | | 6 7.7 346°42 | 0°6/ 7.5 17 | | |
| 5 1 | 17 28.24 | -9 57.0 | 2.235 | 3.051 | 13.0 | 20.6 | 5 1 | 17 29.16 | -22 41.1 | 1.660 | 2.501 | 15.7 | 20.9 |
| 5 11 | 17 23.89 | -9 41.4 | 2.153 | 3.051 | 10.4 | 20.4 | 5 11 | 17 25.42 | -22 23.0 | 1.580 | 2.497 | 12.2 | 20.7 |
| 5 21 | 17 17.64 | -9 32.1 | 2.094 | 3.050 | 7.5 | 20.3 | 5 21 | 17 19.07 | -22 1.4 | 1.521 | 2.494 | 8.1 | 20.5 |
| 5 31 | 17 10.03 | -9 30.9 | 2.060 | 3.050 | 5.0 | 20.1 | 5 31 | 17 10.78 | -21 36.6 | 1.485 | 2.492 | 3.6 | 20.2 |
| 6 10 | 17 1.81 | -9 39.1 | 2.053 | 3.049 | 4.5 | 20.1 | 6 10 | 17 1.62 | -21 10.1 | 1.476 | 2.490 | 1.3 | 20.0 |
| 6 20 | 16 53.76 | -9 57.1 | 2.073 | 3.049 | 6.5 | 20.2 | 6 20 | 16 52.74 | -20 43.8 | 1.492 | 2.488 | 5.9 | 20.3 |
| 6 30 | 16 46.67 | -10 24.5 | 2.120 | 3.048 | 9.4 | 20.4 | 6 30 | 16 45.28 | -20 20.6 | 1.532 | 2.487 | 10.3 | 20.6 |
| 7 10 | 16 41.20 | -11 0.4 | 2.189 | 3.047 | 12.1 | 20.6 | 7 10 | 16 40.10 | -20 3.1 | 1.595 | 2.486 | 14.2 | 20.8 |
| 49698 | Váchal | | 6 7.7 244°99 | 0°2/ 7.7 18 | | | 475201 | 2005 <i>VR</i> ₅ | | 6 7.7 264°53 | 0°7/ 7.8 18 | | |
| 5 1 | 17 33.66 | -22 4.1 | 1.646 | 2.480 | 16.1 | 19.5 | 5 1 | 17 29.59 | -24 49.3 | 2.558 | 3.372 | 11.6 | 22.2 |
| 5 11 | 17 29.12 | -22 26.6 | 1.561 | 2.474 | 12.6 | 19.3 | 5 11 | 17 25.01 | -24 57.0 | 2.451 | 3.353 | 9.1 | 22.0 |
| 5 21 | 17 21.68 | -22 49.4 | 1.496 | 2.468 | 8.5 | 19.0 | 5 21 | 17 18.48 | -25 2.0 | 2.367 | 3.334 | 6.1 | 21.8 |
| 5 31 | 17 12.01 | -23 10.8 | 1.455 | 2.461 | 3.8 | 18.7 | 5 31 | 17 10.47 | -25 3.7 | 2.310 | 3.314 | 2.8 | 21.5 |
| 6 10 | 17 1.18 | -23 29.6 | 1.440 | 2.455 | 1.2 | 18.5 | 6 10 | 17 1.70 | -25 1.5 | 2.281 | 3.295 | 1.0 | 21.3 |
| 6 20 | 16 50.50 | -23 45.0 | 1.452 | 2.448 | 6.1 | 18.8 | 6 20 | 16 52.96 | -24 55.9 | 2.280 | 3.275 | 4.4 | 21.6 |
| 6 30 | 16 41.26 | -23 58.1 | 1.489 | 2.442 | 10.7 | 19.1 | 6 30 | 16 45.08 | -24 48.1 | 2.307 | 3.254 | 7.7 | 21.7 |
| 7 10 | 16 34.49 | -24 10.9 | 1.548 | 2.435 | 14.7 | 19.3 | 7 10 | 16 38.76 | -24 40.0 | 2.359 | 3.234 | 10.8 | 21.9 |
| 506023 | 2015 <i>HG</i> ₁₀₂ | | 6 7.7 23°94 | 0°6/ 7.5 17 | | | 463220 | 2012 <i>DK</i> ₄₅ | | 6 7.7 15°05 | 1°8/ 7.9 16 | | |
| 5 1 | 17 29.66 | -22 29.9 | 1.836 | 2.669 | 14.7 | 21.4 | 5 1 | 17 28.40 | -25 28.7 | 1.146 | 2.010 | 19.6 | 20.9 |
| 5 11 | 17 25.50 | -22 13.5 | 1.757 | 2.671 | 11.4 | 21.2 | 5 11 | 17 25.92 | -25 51.0 | 1.086 | 2.015 | 15.4 | 20.6 |
| 5 21 | 17 18.95 | -21 54.1 | 1.701 | 2.673 | 7.6 | 20.9 | 5 21 | 17 19.92 | -26 9.1 | 1.043 | 2.021 | 10.4 | 20.4 |
| 5 31 | 17 10.66 | -21 32.0 | 1.668 | 2.675 | 3.4 | 20.7 | 5 31 | 17 11.29 | -26 20.5 | 1.021 | 2.028 | 4.9 | 20.1 |
| 6 10 | 17 1.63 | -21 8.4 | 1.663 | 2.677 | 1.3 | 20.5 | 6 10 | 17 1.49 | -26 24.0 | 1.022 | 2.036 | 2.2 | 19.9 |
| 6 20 | 16 52.90 | -20 45.1 | 1.683 | 2.679 | 5.5 | 20.8 | 6 20 | 16 52.20 | -26 20.1 | 1.046 | 2.045 | 7.2 | 20.3 |
| 6 30 | 16 45.49 | -20 24.5 | 1.730 | 2.682 | 9.5 | 21.1 | 6 30 | 16 44.97 | -26 12.0 | 1.091 | 2.056 | 12.3 | 20.6 |
| 7 10 | 16 40.16 | -20 8.8 | 1.799 | 2.684 | 13.1 | 21.3 | 7 10 | 16 40.85 | -26 3.4 | 1.156 | 2.068 | 16.7 | 20.9 |
| 367489 | 2009 <i>HR</i> ₇ | | 6 7.7 341°26 | 6°3/ 6.5 17 | | | 462172 | 2007 <i>TZ</i> ₂₇₂ | | 6 7.7 309°92 | 2°3/ 7.4 17 | | |
| 5 1 | 17 27.83 | -11 42.8 | 1.266 | 2.122 | 18.7 | 20.7 | 5 1 | 17 29.27 | -18 17.5 | 1.255 | 2.113 | 18.6 | 21.0 |
| 5 11 | 17 24.98 | -10 56.3 | 1.194 | 2.115 | 15.0 | 20.4 | 5 11 | 17 26.58 | -18 12.7 | 1.166 | 2.093 | 14.8 | 20.7 |
| 5 21 | 17 19.09 | -10 16.1 | 1.141 | 2.109 | 10.9 | 20.2 | 5 21 | 17 20.53 | -18 10.4 | 1.097 | 2.073 | 10.1 | 20.3 |
| 5 31 | 17 10.87 | -9 46.8 | 1.109 | 2.104 | 7.3 | 20.0 | 5 31 | 17 11.70 | -18 11.3 | 1.048 | 2.054 | 4.9 | 20.0 |
| 6 10 | 17 1.55 | -9 32.5 | 1.099 | 2.099 | 6.6 | 19.9 | 6 10 | 17 1.31 | -18 16.4 | 1.022 | 2.035 | 2.8 | 19.8 |
| 6 20 | 16 52.50 | -9 35.5 | 1.113 | 2.095 | 9.7 | 20.1 | 6 20 | 16 50.88 | -18 26.4 | 1.020 | 2.017 | 7.9 | 20.0 |
| 6 30 | 16 45.09 | -9 56.4 | 1.148 | 2.092 | 13.9 | 20.3 | 6 30 | 16 42.07 | -18 42.6 | 1.040 | 2.000 | 13.4 | 20.3 |
| 7 10 | 16 40.33 | -10 33.2 | 1.202 | 2.090 | 18.0 | 20.5 | 7 10 | 16 36.18 | -19 5.8 | 1.079 | 1.983 | 18.3 | 20.5 |
| 469668 | 2004 <i>TF</i> ₃₆₇ | | 6 7.7 288°64 | 4°0/ 8.1 17 | | | 509703 | 2008 <i>SR</i> ₃₀ | | 6 7.7 248°99 | 0°4/ 7.8 18 | | |
| 5 1 | 17 34.20 | -29 58.8 | 1.412 | 2.249 | 18.1 | 21.4 | 5 1 | 17 32.01 | -25 18.5 | 2.115 | 2.935 | 13.5 | 22.1 |
| 5 11 | 17 30.64 | -30 32.5 | 1.311 | 2.222 | 14.7 | 21.1 | 5 11 | 17 27.23 | -25 6.0 | 2.015 | 2.920 | 10.6 | 21.9 |
| 5 21 | 17 23.42 | -31 0.5 | 1.229 | 2.196 | 10.5 | 20.8 | 5 21 | 17 20.12 | -24 48.5 | 1.937 | 2.905 | 7.1 | 21.7 |
| 5 31 | 17 13.06 | -31 18.0 | 1.169 | 2.169 | 6.1 | 20.5 | 5 31 | 17 11.25 | -24 25.6 | 1.885 | 2.890 | 3.2 | 21.4 |
| 6 10 | 17 0.80 | -31 21.1 | 1.133 | 2.142 | 4.2 | 20.3 | 6 10 | 17 1.50 | -23 57.6 | 1.860 | 2.874 | 1.0 | 21.2 |
| 6 20 | 16 48.32 | -31 8.3 | 1.121 | 2.114 | 7.9 | 20.4 | 6 20 | 16 51.88 | -23 26.1 | 1.863 | 2.858 | 5.1 | 21.5 |
| 6 30 | 16 37.49 | -30 42.7 | 1.132 | 2.087 | 13.0 | 20.6 | 6 30 | 16 43.39 | -22 53.9 | 1.892 | 2.841 | 9.0 | 21.7 |
| 7 10 | 16 29.80 | -30 10.5 | 1.163 | 2.060 | 17.8 | 20.8 | 7 10 | 16 36.86 | -22 24.1 | 1.946 | 2.824 | 12.5 | 21.8 |
| 478096 | 2011 <i>UA</i> ₅₄ | | 6 7.7 152°42 | 2°0/ 6.9 16 | | | 497445 | 2005 <i>YQ</i> ₂₁ | | 6 7.7 213°84 | 1°3/ 7.4 17 | | |
| 5 1 | 17 28.03 | -18 18.4 | 2.556 | 3.375 | 11.5 | 21.8 | 5 1 | 17 32.07 | -19 12.2 | 2.088 | 2.910 | 13.6 | 22.3 |
| 5 11 | 17 23.46 | -17 42.7 | 2.474 | 3.378 | 8.9 | 21.6 | 5 11 | 17 27.16 | -19 10.9 | 1.998 | 2.905 | 10.6 | 22.1 |
| 5 21 | 17 17.22 | -17 6.2 | 2.415 | 3.382 | 6.0 | 21.4 | 5 21 | 17 20.01 | -19 10.1 | 1.930 | 2.899 | 7.1 | 21.9 |
| 5 31 | 17 9.80 | -16 30.5 | 2.383 | 3.385 | 3.1 | 21.2 | 5 31 | 17 11.18 | -19 10.0 | 1.887 | 2.892 | 3.3 | 21.6 |
| 6 10 | 17 1.91 | -15 57.0 | 2.379 | 3.388 | 2.3 | 21.2 | 6 10 | 17 1.53 | -19 10.7 | 1.873 | 2.886 | 1.7 | 21.5 |
| 6 20 | 16 54.25 | -15 27.8 | 2.404 | 3.391 | 4.8 | 21.4 | 6 20 | 16 52.02 | -19 13.0 | 1.886 | 2.878 | 5.3 | 21.7 |
| 6 30 | 16 47.51 | -15 4.3 | 2.457 | 3.394 | 7.8 | 21.6 | 6 30 | 16 43.63 | -19 17.7 | 1.925 | 2.871 | 9.1 | 21.9 |
| 7 10 | 16 42.24 | -14 47.8 | 2.533 | 3.397 | 10.5 | 21.7 | 7 10 | 16 37.13 | -19 25.9 | 1.989 | 2.863 | 12.5 | 22.1 |
| 184202 | 2004 <i>PL</i> ₇₄ | | 6 7.7 330°30 | 2°1/ 7.2 18 | | | 58661 | 1997 <i>XU</i> | | 6 7.7 213°90 | 2°4/ 8.3 18 | | |
| 5 1 | 17 26.95 | -17 37.7 | 2.023 | 2.856 | 13.5 | 20.1 | 5 1 | 17 33.65 | -30 11.8 | 1.919 | 2.736 | 14.8 | 19.3 |
| 5 11 | 17 23.23 | -17 23.4 | 1.936 | 2.849 | 10.6 | 19.9 | 5 11 | 17 28.73 | -30 8.4 | 1.831 | 2.732 | 11.7 | 19.1 |
| 5 21 | 17 17.39 | -17 10.1 | 1.871 | 2.842 | 7.2 | 19.7 | 5 21 | 17 21.18 | -29 56.6 | 1.765 | 2.728 | 8.1 | 18.9 |
| 5 31 | 17 9.99 | -16 59.0 | 1.831 | 2.835 | 3.6 | 19.4 | 5 31 | 17 11.71 | -29 34.5 | 1.724 | 2.724 | 4.3 | 18.6 |
| 6 10 | 17 1.84 | -16 51.0 | 1.817 | 2.828 | 2.4 | 19.3 | 6 10 | 17 1.37 | -29 2.0 | 1.709 | 2.720 | 2.5 | 18.5 |
| 6 20 | 16 53.86 | -16 47.4 | 1.831 | 2.822 | 5.6 | 19.5 | 6 20 | 16 51.32 | -28 20.9 | 1.722 | 2.716 | 5.6 | 18.7 |
| 6 30 | 16 46.94 | -16 49.1 | 1.869 | 2.816 | 9.3 | 19.7 | 6 30 | 16 42.70 | -27 34.9 | 1.760 | 2.711 | 9.5 | 18.9 |
| 7 10 | 16 41.82 | -16 56.9 | 1.931 | 2.811 | 12.6 | 19.9 | 7 10 | 16 36.36 | -26 48.8 | 1.822 | 2.706 | 13.0 | 19.1 |
| 425817 | 2011 <i>DC</i> ₂₅ | | 6 7.7 10°27 | 5°6/ 6.9 17 R | | | 196614 | 2003 <i>QB</i> ₉₆ | | 6 7.7 52°23 | 1°5/ 7.9 18 | | |
| 5 1 | 17 27.55 | -11 20.7 | 1.334 | 2.186 | 18.1 | 20.1 | 5 1 | 17 31.37 | -26 28.0 | 1.838 | 2.666 | 14.9 | 20.8 |
| 5 11 | 17 24.51 | -10 53.6 | 1.268 | 2.187 | 14.5 | 19.8 | 5 11 | 17 26.95 | -26 38.6 | 1.760 | 2.669 | 11.7 | 20.6 |
| 5 21 | 17 18.61 | -10 34.7 | 1.222 | 2.190 | 10.4 | 19.6 | 5 21 | 17 20.00 | -26 44.5 | 1.703 | 2.672 | 7.9 | 20.3 |
| 5 31 | 17 10.61 | -10 27.5 | 1.197 | 2.193 | 6.7 | 19.4 | 5 31 | 17 11.18 | -26 44.4 | 1.671 | 2.675 | 3.8 | 20.1 |
| 6 10 | 17 1.66 | -10 34.2 | 1.196 | 2.197 | 5.9 | 19.4 | 6 10 | 17 1.53 | -26 37.7 | 1.665 | 2.678 | 1.7 | 20.0 |
| 6 20 | 16 53.08 | -10 55.6 | 1.218 | 2.202 | 8.8 | 19.5 | 6 20 | 16 52.18 | -26 25.2 | 1.686 | 2.682 | 5.5 | 20.2 |
| 6 30 | 16 46.09 | -11 30.8 | 1.262 | 2.208 | 12.8 | 19.8 | 6 30 | 16 44.22 | -26 9.3 | 1.732 | 2.685 | 9.4 | 20.5 |
| 7 10 | 16 41.60 | -12 17.6 | 1.327 | 2.215 | 16.6 | 20.0 | 7 10 | 16 38.47 | -25 53.0 | 1.802 | 2.689 | 13.0 | 20.7 |
| 470364 | 2007 <i>TF</i> ₁₁ | | 6 7.7 263°07 | 2°8/ 6.7 18 | | | 64477 | 2001 <i>VS</i> ₄₄ | | 6 7.7 67°14 | 0°7/ | | |

EPHEMERIDES

6 7.7

6 7.7

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|---------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 497133 | 2004 <i>PV</i> ₉₇ | | 6 7.7 318°68 | 6°6/ 7.9 17 | | | 73831 | 1996 <i>BC</i> ₅ | | 6 7.7 240°40 | 1°6/ 7.4 18 | | |
| 5 1 | 17 28.48 | -31 15.6 | 1.081 | 1.943 | 20.7 | 20.7 | 5 1 | 17 30.58 | -18 6.1 | 2.022 | 2.848 | 13.8 | 19.6 |
| 5 11 | 17 27.24 | -32 23.9 | 0.991 | 1.915 | 17.0 | 20.4 | 5 11 | 17 26.07 | -18 8.6 | 1.935 | 2.844 | 10.8 | 19.4 |
| 5 21 | 17 21.82 | -33 28.8 | 0.917 | 1.887 | 12.6 | 20.0 | 5 21 | 17 19.32 | -18 12.9 | 1.870 | 2.839 | 7.3 | 19.2 |
| 5 31 | 17 12.61 | -34 22.9 | 0.863 | 1.860 | 8.3 | 19.7 | 5 31 | 17 10.89 | -18 19.0 | 1.830 | 2.834 | 3.5 | 18.9 |
| 6 10 | 17 0.96 | -34 58.5 | 0.829 | 1.834 | 6.8 | 19.5 | 6 10 | 17 1.65 | -18 27.4 | 1.817 | 2.830 | 1.9 | 18.8 |
| 6 20 | 16 48.91 | -35 11.0 | 0.817 | 1.809 | 10.3 | 19.6 | 6 20 | 16 52.57 | -18 38.1 | 1.832 | 2.825 | 5.5 | 19.0 |
| 6 30 | 16 38.86 | -35 1.9 | 0.824 | 1.785 | 15.6 | 19.8 | 6 30 | 16 44.60 | -18 51.8 | 1.873 | 2.820 | 9.2 | 19.2 |
| 7 10 | 16 32.71 | -34 38.1 | 0.847 | 1.763 | 20.8 | 20.0 | 7 10 | 16 38.53 | -19 9.1 | 1.937 | 2.814 | 12.6 | 19.4 |
| 303823 | 2005 <i>SJ</i> ₁₁₁ | | 6 7.7 210°43 | 3°0/ 6.6 18 | | | 166550 | 2002 <i>RW</i> ₆₆ | | 6 7.7 346°11 | 1°5/ 8.1 18 | | |
| 5 1 | 17 27.60 | -14 53.7 | 2.588 | 3.405 | 11.4 | 21.1 | 5 1 | 17 27.13 | -28 20.8 | 1.476 | 2.324 | 16.9 | 18.8 |
| 5 11 | 17 23.16 | -14 15.4 | 2.499 | 3.401 | 9.0 | 21.0 | 5 11 | 17 24.35 | -28 1.2 | 1.395 | 2.314 | 13.4 | 18.5 |
| 5 21 | 17 17.06 | -13 38.1 | 2.434 | 3.397 | 6.2 | 20.8 | 5 21 | 17 18.63 | -27 31.8 | 1.333 | 2.306 | 9.1 | 18.2 |
| 5 31 | 17 9.78 | -13 3.8 | 2.396 | 3.393 | 3.7 | 20.6 | 5 31 | 17 10.68 | -26 52.0 | 1.294 | 2.299 | 4.4 | 18.0 |
| 6 10 | 17 1.99 | -12 34.2 | 2.385 | 3.388 | 3.2 | 20.6 | 6 10 | 17 1.72 | -26 2.9 | 1.279 | 2.293 | 1.8 | 17.8 |
| 6 20 | 16 54.35 | -12 11.2 | 2.403 | 3.383 | 5.4 | 20.7 | 6 20 | 16 53.08 | -25 7.8 | 1.288 | 2.287 | 6.3 | 18.0 |
| 6 30 | 16 47.58 | -11 55.9 | 2.448 | 3.378 | 8.2 | 20.9 | 6 30 | 16 46.06 | -24 12.0 | 1.322 | 2.283 | 11.0 | 18.3 |
| 7 10 | 16 42.21 | -11 49.0 | 2.518 | 3.373 | 10.8 | 21.0 | 7 10 | 16 41.61 | -23 20.7 | 1.377 | 2.280 | 15.2 | 18.5 |
| 237455 | 1999 <i>VM</i> ₉₄ | | 6 7.7 205°59 | 1°6/ 8.0 18 | | | 367337 | 2008 <i>CC</i> ₁₈₆ | | 6 7.7 59°66 | 0°1/ 7.6 17 | | |
| 5 1 | 17 33.07 | -27 38.5 | 2.505 | 3.311 | 12.1 | 21.7 | 5 1 | 17 32.99 | -25 19.9 | 1.425 | 2.267 | 17.7 | 20.1 |
| 5 11 | 17 27.69 | -27 53.3 | 2.409 | 3.305 | 9.5 | 21.5 | 5 11 | 17 28.59 | -24 42.4 | 1.361 | 2.279 | 13.7 | 19.8 |
| 5 21 | 17 20.24 | -28 3.9 | 2.337 | 3.299 | 6.5 | 21.3 | 5 21 | 17 21.19 | -23 57.4 | 1.318 | 2.291 | 9.1 | 19.6 |
| 5 31 | 17 11.26 | -28 8.7 | 2.291 | 3.292 | 3.3 | 21.1 | 5 31 | 17 11.70 | -23 5.7 | 1.297 | 2.304 | 4.0 | 19.3 |
| 6 10 | 17 1.53 | -28 7.0 | 2.273 | 3.285 | 1.8 | 21.0 | 6 10 | 17 1.45 | -22 10.1 | 1.302 | 2.316 | 1.3 | 19.2 |
| 6 20 | 16 51.93 | -27 59.0 | 2.284 | 3.277 | 4.6 | 21.2 | 6 20 | 16 51.82 | -21 14.7 | 1.332 | 2.329 | 6.4 | 19.5 |
| 6 30 | 16 43.34 | -27 46.4 | 2.323 | 3.268 | 7.8 | 21.4 | 6 30 | 16 44.04 | -20 24.3 | 1.386 | 2.342 | 11.1 | 19.8 |
| 7 10 | 16 36.47 | -27 31.6 | 2.387 | 3.259 | 10.8 | 21.5 | 7 10 | 16 38.92 | -19 42.9 | 1.462 | 2.355 | 15.1 | 20.1 |
| 477003 | 2008 <i>YE</i> ₁₃₂ | | 6 7.7 213°49 | 0°0/ 7.4 17 | | | 8643 | <i>Quercus</i> | | 6 7.7 188°53 | 6°5/ 9.0 18 | | |
| 5 1 | 17 30.77 | -22 32.1 | 2.095 | 2.919 | 13.5 | 22.1 | 5 1 | 17 38.39 | -40 9.2 | 2.190 | 2.967 | 14.4 | 18.0 |
| 5 11 | 17 26.17 | -22 39.1 | 2.009 | 2.917 | 10.5 | 21.9 | 5 11 | 17 32.56 | -40 59.1 | 2.104 | 2.967 | 12.1 | 17.8 |
| 5 21 | 17 19.35 | -22 44.7 | 1.945 | 2.915 | 7.0 | 21.7 | 5 21 | 17 23.86 | -41 37.9 | 2.039 | 2.965 | 9.5 | 17.6 |
| 5 31 | 17 10.88 | -22 48.3 | 1.907 | 2.913 | 3.1 | 21.4 | 5 31 | 17 12.97 | -42 0.3 | 1.999 | 2.964 | 7.3 | 17.5 |
| 6 10 | 17 1.64 | -22 49.6 | 1.896 | 2.910 | 1.0 | 21.3 | 6 10 | 17 1.03 | -42 3.2 | 1.984 | 2.962 | 6.5 | 17.4 |
| 6 20 | 16 52.59 | -22 49.1 | 1.912 | 2.908 | 5.0 | 21.5 | 6 20 | 16 49.31 | -41 46.1 | 1.996 | 2.959 | 7.7 | 17.5 |
| 6 30 | 16 44.67 | -22 48.1 | 1.955 | 2.905 | 8.7 | 21.8 | 6 30 | 16 39.10 | -41 12.1 | 2.034 | 2.956 | 10.0 | 17.6 |
| 7 10 | 16 38.65 | -22 48.3 | 2.022 | 2.902 | 12.1 | 22.0 | 7 10 | 16 31.36 | -40 26.7 | 2.096 | 2.952 | 12.6 | 17.8 |
| 275281 | <i>Amywalsh</i> | | 6 7.7 133°59 | 3°2/ 8.1 17 | | | 424474 | 2008 <i>CF</i> ₁₉₃ | | 6 7.7 241°36 | 3°7/ 8.5 17 | | |
| 5 1 | 17 37.07 | -30 18.3 | 2.229 | 3.030 | 13.5 | 22.1 | 5 1 | 17 37.43 | -32 47.1 | 2.011 | 2.814 | 14.7 | 22.1 |
| 5 11 | 17 30.98 | -31 2.0 | 2.154 | 3.044 | 10.7 | 22.0 | 5 11 | 17 31.90 | -33 3.4 | 1.906 | 2.796 | 11.9 | 21.9 |
| 5 21 | 17 22.49 | -31 40.4 | 2.102 | 3.057 | 7.5 | 21.8 | 5 21 | 17 23.52 | -33 11.2 | 1.823 | 2.777 | 8.6 | 21.6 |
| 5 31 | 17 12.25 | -32 10.1 | 2.076 | 3.070 | 4.4 | 21.6 | 5 31 | 17 12.88 | -33 6.8 | 1.764 | 2.758 | 5.2 | 21.4 |
| 6 10 | 17 1.24 | -32 29.1 | 2.078 | 3.083 | 3.2 | 21.6 | 6 10 | 17 1.05 | -32 48.3 | 1.732 | 2.738 | 3.8 | 21.2 |
| 6 20 | 16 50.50 | -32 36.8 | 2.108 | 3.095 | 5.5 | 21.7 | 6 20 | 16 49.29 | -32 16.0 | 1.728 | 2.716 | 6.3 | 21.3 |
| 6 30 | 16 41.07 | -32 35.2 | 2.166 | 3.106 | 8.6 | 21.9 | 6 30 | 16 38.89 | -31 33.3 | 1.751 | 2.695 | 10.0 | 21.5 |
| 7 10 | 16 33.74 | -32 27.3 | 2.248 | 3.116 | 11.5 | 22.1 | 7 10 | 16 30.87 | -30 45.5 | 1.797 | 2.672 | 13.6 | 21.7 |
| 189845 | 2003 <i>EA</i> ₁₂ | | 6 7.7 39°01 | 2°9/ 8.3 18 R | | | 430289 | 2013 <i>WG</i> ₆₈ | | 6 7.7 230°37 | 4°0/ 8.6 18 | | |
| 5 1 | 17 32.14 | -29 34.6 | 1.324 | 2.169 | 18.6 | 19.2 | 5 1 | 17 34.51 | -33 22.7 | 1.963 | 2.772 | 14.8 | 20.9 |
| 5 11 | 17 28.26 | -29 43.9 | 1.270 | 2.186 | 14.6 | 19.0 | 5 11 | 17 29.55 | -33 42.6 | 1.873 | 2.765 | 11.9 | 20.7 |
| 5 21 | 17 21.12 | -29 43.8 | 1.234 | 2.204 | 10.0 | 18.8 | 5 21 | 17 21.85 | -33 53.4 | 1.804 | 2.758 | 8.7 | 20.5 |
| 5 31 | 17 11.69 | -29 32.1 | 1.221 | 2.223 | 5.3 | 18.6 | 5 31 | 17 12.08 | -33 52.0 | 1.759 | 2.751 | 5.4 | 20.3 |
| 6 10 | 17 1.44 | -29 8.6 | 1.231 | 2.243 | 3.0 | 18.5 | 6 10 | 17 1.32 | -33 36.5 | 1.740 | 2.744 | 4.0 | 20.2 |
| 6 20 | 16 51.88 | -28 35.7 | 1.266 | 2.263 | 6.7 | 18.8 | 6 20 | 16 50.77 | -33 7.7 | 1.748 | 2.736 | 6.3 | 20.3 |
| 6 30 | 16 44.37 | -27 58.2 | 1.324 | 2.283 | 11.1 | 19.1 | 6 30 | 16 41.66 | -32 28.8 | 1.782 | 2.728 | 9.7 | 20.5 |
| 7 10 | 16 39.76 | -27 21.3 | 1.404 | 2.305 | 15.0 | 19.4 | 7 10 | 16 34.90 | -31 45.0 | 1.840 | 2.719 | 13.1 | 20.7 |
| 283100 | 2008 <i>UX</i> ₁₅₉ | | 6 7.7 225°34 | 3°0/ 6.2 18 | | | 336264 | 2008 <i>SY</i> ₁₆₇ | | 6 7.7 250°63 | 1°7/ 7.3 17 | | |
| 5 1 | 17 32.70 | -19 34.8 | 2.130 | 2.950 | 13.4 | 20.5 | 5 1 | 17 30.59 | -18 50.8 | 2.003 | 2.829 | 13.9 | 21.5 |
| 5 11 | 17 27.42 | -18 10.5 | 2.039 | 2.944 | 10.5 | 20.3 | 5 11 | 17 26.14 | -18 37.5 | 1.910 | 2.819 | 10.9 | 21.2 |
| 5 21 | 17 20.02 | -16 40.6 | 1.971 | 2.938 | 7.2 | 20.0 | 5 21 | 17 19.41 | -18 24.2 | 1.839 | 2.809 | 7.3 | 21.0 |
| 5 31 | 17 11.12 | -15 8.5 | 1.931 | 2.932 | 3.9 | 19.8 | 5 31 | 17 10.96 | -18 11.7 | 1.794 | 2.798 | 3.5 | 20.7 |
| 6 10 | 17 1.59 | -13 38.5 | 1.919 | 2.925 | 3.4 | 19.8 | 6 10 | 17 1.66 | -18 0.8 | 1.775 | 2.788 | 2.1 | 20.6 |
| 6 20 | 16 52.36 | -12 15.3 | 1.937 | 2.918 | 6.4 | 20.0 | 6 20 | 16 52.49 | -17 52.7 | 1.784 | 2.776 | 5.7 | 20.8 |
| 6 30 | 16 44.31 | -11 3.4 | 1.982 | 2.911 | 9.9 | 20.1 | 6 30 | 16 44.44 | -17 49.0 | 1.819 | 2.765 | 9.5 | 21.0 |
| 7 10 | 16 38.12 | -10 5.4 | 2.051 | 2.904 | 13.0 | 20.3 | 7 10 | 16 38.30 | -17 50.8 | 1.877 | 2.754 | 13.0 | 21.2 |
| 111930 | 2002 <i>GP</i> ₂₅ | | 6 7.7 311°86 | 3°0/ 6.9 18 | | | 11783 | 1971 <i>UN</i> ₁ | | 6 7.7 240°29 | 0°5/ 7.5 18 | | |
| 5 1 | 17 29.16 | -19 29.2 | 1.328 | 2.184 | 18.0 | 18.8 | 5 1 | 17 28.42 | -21 38.6 | 2.806 | 3.619 | 10.7 | 19.1 |
| 5 11 | 17 26.12 | -18 42.0 | 1.245 | 2.170 | 14.2 | 18.6 | 5 11 | 17 23.83 | -21 30.5 | 2.704 | 3.606 | 8.3 | 18.9 |
| 5 21 | 17 19.94 | -17 51.1 | 1.181 | 2.157 | 9.7 | 18.3 | 5 21 | 17 17.55 | -21 20.9 | 2.625 | 3.593 | 5.5 | 18.7 |
| 5 31 | 17 11.33 | -16 59.1 | 1.139 | 2.144 | 4.9 | 18.0 | 5 31 | 17 10.05 | -21 9.9 | 2.574 | 3.579 | 2.5 | 18.5 |
| 6 10 | 17 1.50 | -16 9.9 | 1.121 | 2.132 | 3.5 | 17.8 | 6 10 | 17 1.95 | -20 57.8 | 2.551 | 3.565 | 1.0 | 18.3 |
| 6 20 | 16 51.87 | -15 27.8 | 1.127 | 2.120 | 8.0 | 18.1 | 6 20 | 16 53.93 | -20 45.6 | 2.558 | 3.551 | 4.1 | 18.6 |
| 6 30 | 16 43.90 | -14 56.8 | 1.156 | 2.109 | 13.0 | 18.3 | 6 30 | 16 46.70 | -20 34.5 | 2.592 | 3.536 | 7.1 | 18.7 |
| 7 10 | 16 38.64 | -14 39.5 | 1.204 | 2.098 | 17.5 | 18.5 | 7 10 | 16 40.84 | -20 25.8 | 2.651 | 3.521 | 9.9 | 18.9 |
| 127234 | 2002 <i>JJ</i> ₁₇ | | 6 7.7 1°66 | 1°2/ 7.9 17 | | | 299863 | 2006 <i>SP</i> ₂₇₃ | | 6 7.7 201°69 | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 387766 | 2003 <i>SL</i> ₃₂₉ | | 6 7.7 284°40 | 6°4/ 8.3 18 | | | 342814 | 2008 <i>XR</i> ₆ | | 6 7.7 236°93 | 1°7/ 7.9 18 | | |
| 5 1 | 17 34.92 | -36 50.4 | 1.918 | 2.719 | 15.4 | 21.1 | 5 1 | 17 33.87 | -27 12.8 | 2.565 | 3.368 | 11.9 | 21.6 |
| 5 11 | 17 30.42 | -37 51.2 | 1.818 | 2.700 | 12.8 | 20.9 | 5 11 | 17 28.42 | -27 36.9 | 2.457 | 3.351 | 9.4 | 21.4 |
| 5 21 | 17 22.83 | -38 44.1 | 1.739 | 2.681 | 9.9 | 20.7 | 5 21 | 17 20.84 | -27 58.0 | 2.372 | 3.333 | 6.5 | 21.2 |
| 5 31 | 17 12.69 | -39 23.3 | 1.684 | 2.661 | 7.3 | 20.5 | 5 31 | 17 11.62 | -28 14.1 | 2.314 | 3.315 | 3.3 | 20.9 |
| 6 10 | 17 1.10 | -39 44.3 | 1.654 | 2.642 | 6.4 | 20.4 | 6 10 | 17 1.52 | -28 23.9 | 2.284 | 3.296 | 1.9 | 20.8 |
| 6 20 | 16 49.43 | -39 45.2 | 1.649 | 2.622 | 8.1 | 20.4 | 6 20 | 16 51.41 | -28 27.1 | 2.284 | 3.276 | 4.6 | 21.0 |
| 6 30 | 16 39.17 | -39 27.8 | 1.670 | 2.602 | 11.2 | 20.6 | 6 30 | 16 42.20 | -28 24.8 | 2.312 | 3.255 | 7.9 | 21.1 |
| 7 10 | 16 31.49 | -38 57.5 | 1.712 | 2.583 | 14.4 | 20.7 | 7 10 | 16 34.67 | -28 19.1 | 2.365 | 3.234 | 10.9 | 21.3 |
| 477675 | 2010 <i>OY</i> ₁₂₅ | | 6 7.7 34°49 | 1°4/ 7.7 17 | | | 138116 | 2000 <i>EZ</i> | | 6 7.7 256°88 | 3°7/ 8.4 18 | | |
| 5 1 | 17 32.66 | -15 53.8 | 1.748 | 2.578 | 15.5 | 20.6 | 5 1 | 17 36.24 | -32 0.1 | 1.924 | 2.733 | 15.0 | 20.2 |
| 5 11 | 17 27.95 | -16 38.1 | 1.675 | 2.586 | 12.1 | 20.4 | 5 11 | 17 31.17 | -32 21.3 | 1.818 | 2.712 | 12.2 | 20.0 |
| 5 21 | 17 20.70 | -17 29.1 | 1.624 | 2.593 | 8.1 | 20.2 | 5 21 | 17 23.16 | -32 34.8 | 1.733 | 2.690 | 8.7 | 19.7 |
| 5 31 | 17 11.55 | -18 25.2 | 1.597 | 2.602 | 3.8 | 19.9 | 5 31 | 17 12.80 | -32 36.9 | 1.672 | 2.667 | 5.3 | 19.5 |
| 6 10 | 17 1.50 | -19 24.2 | 1.597 | 2.610 | 1.8 | 19.8 | 6 10 | 17 1.14 | -32 25.4 | 1.638 | 2.644 | 3.7 | 19.3 |
| 6 20 | 16 51.69 | -20 23.8 | 1.625 | 2.619 | 5.8 | 20.1 | 6 20 | 16 49.48 | -32 0.2 | 1.631 | 2.620 | 6.4 | 19.4 |
| 6 30 | 16 43.22 | -21 22.4 | 1.678 | 2.629 | 9.8 | 20.4 | 6 30 | 16 39.16 | -31 24.3 | 1.650 | 2.596 | 10.3 | 19.6 |
| 7 10 | 16 36.95 | -22 19.2 | 1.755 | 2.639 | 13.4 | 20.6 | 7 10 | 16 31.27 | -30 43.0 | 1.692 | 2.571 | 14.1 | 19.8 |
| 499584 | 2010 <i>TH</i> ₃₆ | | 6 7.7 264°31 | 3°7/ 8.3 17 | | | 343756 | 2011 <i>FF</i> ₆₀ | | 6 7.7 351°53 | 1°6/ 7.9 17 | | |
| 5 1 | 17 35.26 | -31 9.0 | 1.668 | 2.489 | 16.5 | 22.6 | 5 1 | 17 27.94 | -25 55.2 | 1.381 | 2.234 | 17.6 | 20.8 |
| 5 11 | 17 30.76 | -31 31.3 | 1.570 | 2.472 | 13.2 | 22.3 | 5 11 | 17 25.20 | -26 8.9 | 1.305 | 2.228 | 13.8 | 20.5 |
| 5 21 | 17 23.06 | -31 46.0 | 1.492 | 2.454 | 9.5 | 22.0 | 5 21 | 17 19.34 | -26 18.2 | 1.248 | 2.223 | 9.4 | 20.2 |
| 5 31 | 17 12.78 | -31 49.0 | 1.438 | 2.436 | 5.5 | 21.8 | 5 31 | 17 11.09 | -26 21.1 | 1.213 | 2.219 | 4.5 | 19.9 |
| 6 10 | 17 1.09 | -31 37.9 | 1.409 | 2.417 | 3.8 | 21.6 | 6 10 | 17 1.69 | -26 16.8 | 1.202 | 2.215 | 1.9 | 19.8 |
| 6 20 | 16 49.46 | -31 12.9 | 1.406 | 2.398 | 6.9 | 21.8 | 6 20 | 16 52.55 | -26 6.1 | 1.215 | 2.213 | 6.6 | 20.0 |
| 6 30 | 16 39.38 | -30 37.4 | 1.428 | 2.379 | 11.2 | 22.0 | 6 30 | 16 45.11 | -25 51.7 | 1.251 | 2.212 | 11.4 | 20.3 |
| 7 10 | 16 32.02 | -29 57.0 | 1.472 | 2.359 | 15.3 | 22.1 | 7 10 | 16 40.38 | -25 37.5 | 1.307 | 2.212 | 15.7 | 20.6 |
| 214478 | 2005 <i>TR</i> ₆₃ | | 6 7.7 331°79 | 1°2/ 7.9 18 | | | 346558 | 2008 <i>UZ</i> ₃₅₃ | | 6 7.7 316°16 | 2°2/ 6.9 16 | | |
| 5 1 | 17 26.43 | -25 16.0 | 1.640 | 2.485 | 15.6 | 19.6 | 5 1 | 17 27.87 | -22 12.5 | 1.518 | 2.366 | 16.5 | 20.7 |
| 5 11 | 17 23.69 | -25 28.5 | 1.546 | 2.465 | 12.3 | 19.3 | 5 11 | 17 24.91 | -21 12.9 | 1.419 | 2.341 | 13.0 | 20.4 |
| 5 21 | 17 18.21 | -25 37.8 | 1.471 | 2.445 | 8.4 | 19.1 | 5 21 | 17 19.07 | -20 4.8 | 1.341 | 2.316 | 8.8 | 20.1 |
| 5 31 | 17 10.58 | -25 42.4 | 1.420 | 2.426 | 4.0 | 18.7 | 5 31 | 17 10.98 | -18 50.3 | 1.286 | 2.292 | 4.2 | 19.7 |
| 6 10 | 17 1.78 | -25 41.5 | 1.394 | 2.408 | 1.6 | 18.5 | 6 10 | 17 1.71 | -17 33.4 | 1.256 | 2.268 | 2.7 | 19.6 |
| 6 20 | 16 53.03 | -25 35.6 | 1.392 | 2.390 | 6.0 | 18.8 | 6 20 | 16 52.53 | -16 19.5 | 1.251 | 2.245 | 7.3 | 19.8 |
| 6 30 | 16 45.59 | -25 26.6 | 1.415 | 2.374 | 10.6 | 19.0 | 6 30 | 16 44.76 | -15 14.6 | 1.271 | 2.222 | 12.2 | 20.0 |
| 7 10 | 16 40.48 | -25 17.4 | 1.459 | 2.359 | 14.7 | 19.2 | 7 10 | 16 39.43 | -14 23.2 | 1.310 | 2.201 | 16.6 | 20.2 |
| 249096 | 2007 <i>VG</i> ₁₇₆ | | 6 7.7 258°88 | 1°9/ 7.5 18 | | | 195332 | 2002 <i>EZ</i> ₁₃₂ | | 6 7.7 193°92 | 2°7/ 8.3 18 | | |
| 5 1 | 17 30.71 | -16 2.1 | 2.126 | 2.948 | 13.4 | 20.5 | 5 1 | 17 33.61 | -30 9.3 | 2.019 | 2.833 | 14.3 | 21.0 |
| 5 11 | 17 26.10 | -16 15.9 | 2.035 | 2.941 | 10.5 | 20.3 | 5 11 | 17 28.63 | -30 23.8 | 1.934 | 2.832 | 11.3 | 20.8 |
| 5 21 | 17 19.33 | -16 33.6 | 1.966 | 2.933 | 7.1 | 20.0 | 5 21 | 17 21.12 | -30 31.4 | 1.869 | 2.831 | 7.9 | 20.6 |
| 5 31 | 17 10.93 | -16 55.3 | 1.923 | 2.926 | 3.6 | 19.8 | 5 31 | 17 11.75 | -30 29.9 | 1.830 | 2.829 | 4.4 | 20.4 |
| 6 10 | 17 1.70 | -17 20.8 | 1.907 | 2.919 | 2.2 | 19.7 | 6 10 | 17 1.51 | -30 18.3 | 1.818 | 2.827 | 2.8 | 20.2 |
| 6 20 | 16 52.56 | -17 49.6 | 1.919 | 2.911 | 5.4 | 19.9 | 6 20 | 16 51.52 | -29 57.3 | 1.833 | 2.825 | 5.5 | 20.4 |
| 6 30 | 16 44.45 | -18 21.4 | 1.958 | 2.903 | 9.0 | 20.1 | 6 30 | 16 42.87 | -29 29.6 | 1.874 | 2.823 | 9.1 | 20.6 |
| 7 10 | 16 38.11 | -18 56.2 | 2.021 | 2.896 | 12.3 | 20.3 | 7 10 | 16 36.40 | -28 59.2 | 1.939 | 2.820 | 12.5 | 20.8 |
| 512538 | 2016 <i>SC</i> ₇ | | 6 7.7 201°70 | 2°7/ 8.8 18 | | | 435890 | 2008 <i>YT</i> ₁₆₉ | | 6 7.7 160°67 | 0°8/ 7.5 17 | | |
| 5 1 | 17 31.61 | -33 55.8 | 2.929 | 3.718 | 10.9 | 22.3 | 5 1 | 17 30.90 | -20 0.9 | 2.271 | 3.090 | 12.7 | 21.6 |
| 5 11 | 17 26.28 | -33 52.2 | 2.833 | 3.714 | 8.7 | 22.1 | 5 11 | 17 26.03 | -20 5.2 | 2.188 | 3.094 | 9.9 | 21.4 |
| 5 21 | 17 19.14 | -33 40.6 | 2.760 | 3.709 | 6.3 | 21.9 | 5 21 | 17 19.15 | -20 9.7 | 2.128 | 3.097 | 6.6 | 21.2 |
| 5 31 | 17 10.74 | -33 19.6 | 2.713 | 3.704 | 3.9 | 21.8 | 5 31 | 17 10.81 | -20 14.3 | 2.094 | 3.100 | 3.0 | 21.0 |
| 6 10 | 17 1.79 | -32 48.9 | 2.695 | 3.699 | 2.8 | 21.7 | 6 10 | 17 1.81 | -20 18.9 | 2.088 | 3.102 | 1.2 | 20.8 |
| 6 20 | 16 53.05 | -32 9.8 | 2.707 | 3.693 | 4.4 | 21.8 | 6 20 | 16 53.01 | -20 23.8 | 2.111 | 3.104 | 4.8 | 21.1 |
| 6 30 | 16 45.29 | -31 24.7 | 2.746 | 3.687 | 6.9 | 21.9 | 6 30 | 16 45.26 | -20 30.0 | 2.160 | 3.106 | 8.2 | 21.3 |
| 7 10 | 16 39.08 | -30 36.9 | 2.812 | 3.681 | 9.4 | 22.1 | 7 10 | 16 39.23 | -20 38.5 | 2.234 | 3.108 | 11.3 | 21.5 |
| 420890 | 2013 <i>LU</i> ₁₅ | | 6 7.7 6°78 | 4°6/ 7.2 17 | | | 87820 | 2000 <i>SD</i> ₁₆₂ | | 6 7.7 204°34 | 5°8/ 6.3 18 | | |
| 5 1 | 17 30.45 | -13 17.9 | 1.284 | 2.136 | 18.7 | 20.5 | 5 1 | 17 30.51 | -6 27.9 | 2.275 | 3.078 | 13.2 | 19.9 |
| 5 11 | 17 26.99 | -13 1.9 | 1.215 | 2.136 | 14.8 | 20.3 | 5 11 | 17 25.64 | -5 51.9 | 2.189 | 3.074 | 10.8 | 19.7 |
| 5 21 | 17 20.44 | -12 52.9 | 1.165 | 2.136 | 10.4 | 20.0 | 5 21 | 17 18.86 | -5 23.2 | 2.126 | 3.069 | 8.3 | 19.5 |
| 5 31 | 17 11.53 | -12 53.5 | 1.137 | 2.137 | 6.1 | 19.8 | 5 31 | 17 10.68 | -5 4.6 | 2.088 | 3.063 | 6.3 | 19.4 |
| 6 10 | 17 1.53 | -13 5.4 | 1.132 | 2.138 | 4.9 | 19.7 | 6 10 | 17 1.85 | -4 58.6 | 2.076 | 3.057 | 6.0 | 19.4 |
| 6 20 | 16 51.86 | -13 28.8 | 1.150 | 2.140 | 8.4 | 19.9 | 6 20 | 16 53.17 | -5 6.2 | 2.092 | 3.051 | 7.7 | 19.5 |
| 6 30 | 16 43.90 | -14 3.3 | 1.192 | 2.142 | 12.9 | 20.2 | 6 30 | 16 45.44 | -5 27.2 | 2.134 | 3.043 | 10.2 | 19.6 |
| 7 10 | 16 38.66 | -14 47.3 | 1.253 | 2.145 | 17.1 | 20.5 | 7 10 | 16 39.32 | -6 0.5 | 2.199 | 3.036 | 12.8 | 19.8 |
| 2139 | Makharadze | | 6 7.7 310°21 | 0°0/ 7.4 18 | | | 185918 | 2000 <i>SE</i> ₂₇₇ | | 6 7.7 243°02 | 4°1/ 5.8 18 | | |
| 5 1 | 17 29.22 | -23 52.9 | 1.434 | 2.284 | 17.2 | 16.3 | 5 1 | 17 27.88 | -10 9.2 | 2.960 | 3.763 | 10.5 | 21.3 |
| 5 11 | 17 26.23 | -23 41.7 | 1.341 | 2.263 | 13.6 | 16.0 | 5 11 | 17 23.25 | -9 20.7 | 2.856 | 3.745 | 8.4 | 21.1 |
| 5 21 | 17 20.11 | -23 25.7 | 1.268 | 2.243 | 9.2 | 15.7 | 5 21 | 17 17.12 | -8 34.8 | 2.777 | 3.726 | 6.3 | 21.0 |
| 5 31 | 17 11.50 | -23 4.5 | 1.216 | 2.223 | 4.1 | 15.3 | 5 31 | 17 9.88 | -7 53.7 | 2.724 | 3.707 | 4.5 | 20.8 |
| 6 10 | 17 1.53 | -22 38.7 | 1.189 | 2.204 | 1.3 | 15.1 | 6 10 | 17 2.11 | -7 19.7 | 2.700 | 3.687 | 4.3 | 20.8 |
| 6 20 | 16 51.62 | -22 10.4 | 1.187 | 2.185 | 6.8 | 15.4 | 6 20 | 16 54.40 | -6 54.5 | 2.704 | 3.666 | 6.0 | 20.9 |
| 6 30 | 16 43.24 | -21 43.2 | 1.207 | 2.167 | 11.9 | 15.6 | 6 30 | 16 47.37 | -6 39.5 | 2.736 | 3.645 | 8.3 | 21.0 |
| 7 10 | 16 37.54 | -21 20.9 | 1.248 | 2.149 | 16.6 | 15.8 | 7 10 | 16 41.54 | -6 34.7 | 2.792 | 3.623 | 10.6 | 21.1 |
| 415540 | 2014 <i>QH</i> ₁₃₈ | | 6 7.7 59°20 | 6°6/ 8.8 17 | | | 346678 | 2008 <i>YS</i> ₃₈ | | 6 7.7 130°52 | 7°2/ 6.3 | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|---------------------------|------------------------|---------|------|---------------|------------------------|-----------------|---------------------------|-----------------------|---------|------|
| 158419 | 2002 AC ₁₅₄ | | 6 7.7 17 ^o 25 | 3 ^o 7/ 7.2 | 18 | | 198534 | 2004 XV ₁₀₇ | | 6 7.7 296 ^o 11 | 0 ^o 2/ 7.7 | 18 | |
| 5 1 | 17 28.90 | -14 23.6 | 1.477 | 2.323 | 17.0 | 19.4 | 5 1 | 17 32.79 | -19 35.8 | 1.746 | 2.577 | 15.4 | 19.2 |
| 5 11 | 17 25.38 | -14 12.8 | 1.409 | 2.327 | 13.4 | 19.2 | 5 11 | 17 28.63 | -20 13.3 | 1.639 | 2.551 | 12.2 | 18.9 |
| 5 21 | 17 19.15 | -14 7.4 | 1.360 | 2.331 | 9.2 | 18.9 | 5 21 | 17 21.62 | -20 55.7 | 1.554 | 2.525 | 8.3 | 18.6 |
| 5 31 | 17 10.93 | -14 9.3 | 1.334 | 2.336 | 5.2 | 18.7 | 5 31 | 17 12.23 | -21 41.4 | 1.493 | 2.499 | 3.7 | 18.3 |
| 6 10 | 17 1.82 | -14 19.4 | 1.333 | 2.341 | 3.9 | 18.6 | 6 10 | 17 1.40 | -22 28.3 | 1.458 | 2.472 | 1.2 | 18.1 |
| 6 20 | 16 53.04 | -14 38.2 | 1.356 | 2.347 | 7.3 | 18.8 | 6 20 | 16 50.33 | -23 14.5 | 1.450 | 2.446 | 6.1 | 18.3 |
| 6 30 | 16 45.77 | -15 5.4 | 1.404 | 2.354 | 11.4 | 19.1 | 6 30 | 16 40.38 | -23 58.7 | 1.468 | 2.420 | 10.8 | 18.5 |
| 7 10 | 16 40.85 | -15 40.2 | 1.472 | 2.361 | 15.2 | 19.3 | 7 10 | 16 32.68 | -24 41.4 | 1.508 | 2.394 | 15.1 | 18.7 |
| 99761 | 2002 JK ₁₀₁ | | 6 7.7 82 ^o 29 | 11 ^o 7/ 9.0 | 18 | | 386115 | 2007 RO ₁₇₀ | | 6 7.7 206 ^o 22 | 2 ^o 9/ 7.1 | 17 | |
| 5 1 | 17 39.43 | + 7 55.4 | 1.602 | 2.365 | 19.5 | 19.6 | 5 1 | 17 29.75 | -15 22.8 | 2.123 | 2.947 | 13.3 | 21.8 |
| 5 11 | 17 32.69 | + 8 17.7 | 1.562 | 2.398 | 16.8 | 19.5 | 5 11 | 17 25.27 | -15 4.3 | 2.039 | 2.945 | 10.5 | 21.6 |
| 5 21 | 17 23.47 | + 8 15.7 | 1.539 | 2.430 | 14.3 | 19.4 | 5 21 | 17 18.72 | -14 48.2 | 1.977 | 2.943 | 7.2 | 21.4 |
| 5 31 | 17 12.64 | + 7 44.7 | 1.538 | 2.462 | 12.3 | 19.3 | 5 31 | 17 10.68 | -14 35.8 | 1.940 | 2.940 | 4.0 | 21.1 |
| 6 10 | 17 1.36 | + 6 44.1 | 1.561 | 2.493 | 11.7 | 19.4 | 6 10 | 17 1.94 | -14 28.5 | 1.931 | 2.938 | 3.1 | 21.1 |
| 6 20 | 16 50.80 | + 5 17.0 | 1.608 | 2.523 | 12.6 | 19.5 | 6 20 | 16 53.39 | -14 27.1 | 1.949 | 2.935 | 5.8 | 21.2 |
| 6 30 | 16 41.97 | + 3 29.2 | 1.679 | 2.553 | 14.4 | 19.7 | 6 30 | 16 45.90 | -14 32.5 | 1.993 | 2.932 | 9.2 | 21.4 |
| 7 10 | 16 35.51 | + 1 28.3 | 1.771 | 2.582 | 16.5 | 19.9 | 7 10 | 16 40.17 | -14 45.1 | 2.060 | 2.929 | 12.3 | 21.6 |
| 182158 | 2000 SQ ₁₂₂ | | 6 7.7 211 ^o 53 | 5 ^o 6/ 5.3 | 18 | | 180137 | 2003 FD ₁₀₃ | | 6 7.7 338 ^o 73 | 4 ^o 1/ 6.5 | 18 | |
| 5 1 | 17 27.02 | - 4 42.3 | 2.901 | 3.694 | 10.9 | 20.7 | 5 1 | 17 27.27 | -12 33.5 | 2.181 | 3.005 | 13.0 | 20.0 |
| 5 11 | 17 22.54 | - 3 47.9 | 2.813 | 3.687 | 9.0 | 20.6 | 5 11 | 17 23.24 | -11 54.2 | 2.100 | 3.004 | 10.3 | 19.9 |
| 5 21 | 17 16.61 | - 2 59.3 | 2.749 | 3.680 | 7.1 | 20.4 | 5 21 | 17 17.31 | -11 18.1 | 2.042 | 3.002 | 7.4 | 19.7 |
| 5 31 | 17 9.65 | - 2 19.4 | 2.711 | 3.673 | 5.8 | 20.4 | 5 31 | 17 10.02 | -10 47.8 | 2.009 | 3.001 | 4.8 | 19.5 |
| 6 10 | 17 2.22 | - 1 50.7 | 2.700 | 3.665 | 5.8 | 20.3 | 6 10 | 17 2.14 | -10 25.4 | 2.002 | 3.000 | 4.3 | 19.5 |
| 6 20 | 16 54.90 | - 1 34.7 | 2.717 | 3.656 | 7.1 | 20.4 | 6 20 | 16 54.46 | -10 12.6 | 2.023 | 3.000 | 6.5 | 19.6 |
| 6 30 | 16 48.31 | - 1 32.0 | 2.760 | 3.648 | 9.0 | 20.5 | 6 30 | 16 47.78 | -10 10.4 | 2.069 | 2.999 | 9.5 | 19.8 |
| 7 10 | 16 42.92 | - 1 42.0 | 2.827 | 3.638 | 11.0 | 20.6 | 7 10 | 16 42.72 | -10 18.6 | 2.138 | 2.998 | 12.3 | 20.0 |
| 469536 | 2003 SZ ₂₉₄ | | 6 7.7 271 ^o 54 | 6 ^o 8/ 4.8 | 18 | | 61002 | 2000 KS ₃₂ | | 6 7.7 316 ^o 01 | 0 ^o 7/ 7.6 | 18 | |
| 5 1 | 17 30.06 | - 6 1.3 | 2.286 | 3.089 | 13.1 | 21.5 | 5 1 | 17 31.01 | -22 33.0 | 1.276 | 2.131 | 18.6 | 18.6 |
| 5 11 | 17 25.50 | - 4 50.5 | 2.178 | 3.060 | 10.9 | 21.3 | 5 11 | 17 27.79 | -22 18.1 | 1.198 | 2.123 | 14.6 | 18.3 |
| 5 21 | 17 18.94 | - 3 43.8 | 2.091 | 3.029 | 8.7 | 21.1 | 5 21 | 17 21.21 | -21 59.6 | 1.138 | 2.115 | 9.8 | 18.0 |
| 5 31 | 17 10.81 | - 2 45.6 | 2.031 | 2.998 | 7.1 | 20.9 | 5 31 | 17 12.01 | -21 37.4 | 1.100 | 2.107 | 4.4 | 17.7 |
| 6 10 | 17 1.84 | - 2 0.1 | 1.997 | 2.966 | 7.1 | 20.9 | 6 10 | 17 1.52 | -21 12.9 | 1.086 | 2.100 | 1.6 | 17.5 |
| 6 20 | 16 52.82 | - 1 30.4 | 1.990 | 2.934 | 8.9 | 20.9 | 6 20 | 16 51.28 | -20 48.3 | 1.095 | 2.093 | 7.2 | 17.8 |
| 6 30 | 16 44.63 | - 1 18.3 | 2.007 | 2.900 | 11.6 | 21.0 | 6 30 | 16 42.86 | -20 27.2 | 1.127 | 2.087 | 12.5 | 18.1 |
| 7 10 | 16 37.99 | - 1 23.7 | 2.047 | 2.867 | 14.3 | 21.2 | 7 10 | 16 37.38 | -20 13.0 | 1.179 | 2.081 | 17.2 | 18.4 |
| 206242 | 2002 XD ₁ | | 6 7.7 85 ^o 55 | 3 ^o 2/ 7.0 | 18 | | 173828 | 2001 TX ₂₁ | | 6 7.7 214 ^o 03 | 3 ^o 1/ 6.9 | 18 | |
| 5 1 | 17 30.98 | -13 16.0 | 2.267 | 3.081 | 12.9 | 20.3 | 5 1 | 17 28.86 | -12 37.3 | 2.721 | 3.529 | 11.1 | 21.2 |
| 5 11 | 17 25.77 | -12 58.0 | 2.209 | 3.108 | 10.1 | 20.1 | 5 11 | 17 24.14 | -12 21.1 | 2.627 | 3.522 | 8.8 | 21.0 |
| 5 21 | 17 18.77 | -12 44.1 | 2.173 | 3.134 | 7.0 | 20.0 | 5 21 | 17 17.77 | -12 8.2 | 2.556 | 3.515 | 6.2 | 20.8 |
| 5 31 | 17 10.57 | -12 35.5 | 2.164 | 3.160 | 4.2 | 19.8 | 5 31 | 17 10.21 | -12 0.1 | 2.513 | 3.507 | 3.8 | 20.7 |
| 6 10 | 17 1.97 | -12 33.1 | 2.183 | 3.186 | 3.4 | 19.8 | 6 10 | 17 2.09 | -11 57.7 | 2.497 | 3.498 | 3.3 | 20.6 |
| 6 20 | 16 53.74 | -12 37.5 | 2.230 | 3.211 | 5.6 | 20.0 | 6 20 | 16 54.07 | -12 1.7 | 2.510 | 3.489 | 5.3 | 20.7 |
| 6 30 | 16 46.62 | -12 49.0 | 2.303 | 3.236 | 8.5 | 20.2 | 6 30 | 16 46.83 | -12 12.5 | 2.551 | 3.480 | 8.0 | 20.9 |
| 7 10 | 16 41.15 | -13 7.2 | 2.401 | 3.260 | 11.1 | 20.5 | 7 10 | 16 40.94 | -12 30.2 | 2.616 | 3.470 | 10.5 | 21.1 |
| 69602 | 1998 FE ₂₈ | | 6 7.7 120 ^o 24 | 2 ^o 7/ 7.1 | 18 | | 204080 | 2003 WX ₂₆ | | 6 7.7 164 ^o 75 | 1 ^o 2/ 8.0 | 18 | |
| 5 1 | 17 33.49 | -17 57.1 | 1.589 | 2.424 | 16.5 | 19.6 | 5 1 | 17 32.12 | -26 47.8 | 2.221 | 3.036 | 13.1 | 21.0 |
| 5 11 | 17 28.71 | -17 29.2 | 1.519 | 2.433 | 12.9 | 19.4 | 5 11 | 17 27.13 | -26 51.4 | 2.138 | 3.039 | 10.2 | 20.8 |
| 5 21 | 17 21.23 | -17 1.7 | 1.470 | 2.441 | 8.7 | 19.2 | 5 21 | 17 19.96 | -26 50.4 | 2.077 | 3.042 | 6.9 | 20.6 |
| 5 31 | 17 11.81 | -16 36.2 | 1.445 | 2.448 | 4.4 | 18.9 | 5 31 | 17 11.22 | -26 43.6 | 2.041 | 3.045 | 3.3 | 20.4 |
| 6 10 | 17 1.58 | -16 14.8 | 1.446 | 2.456 | 3.0 | 18.9 | 6 10 | 17 1.79 | -26 30.8 | 2.033 | 3.047 | 1.5 | 20.3 |
| 6 20 | 16 51.77 | -15 59.3 | 1.472 | 2.463 | 6.8 | 19.1 | 6 20 | 16 52.61 | -26 13.1 | 2.054 | 3.048 | 4.8 | 20.5 |
| 6 30 | 16 43.51 | -15 51.5 | 1.524 | 2.470 | 11.0 | 19.4 | 6 30 | 16 44.60 | -25 52.5 | 2.101 | 3.050 | 8.3 | 20.7 |
| 7 10 | 16 37.65 | -15 52.5 | 1.597 | 2.477 | 14.7 | 19.6 | 7 10 | 16 38.47 | -25 31.8 | 2.173 | 3.051 | 11.4 | 20.9 |
| 106724 | 2000 WG ₁₇₉ | | 6 7.7 125 ^o 12 | 3 ^o 8/ 6.9 | 18 | | 383992 | 2008 TJ ₁₆₅ | | 6 7.7 323 ^o 49 | 2 ^o 7/ 7.9 | 17 | |
| 5 1 | 17 34.55 | -14 15.0 | 1.768 | 2.592 | 15.6 | 20.5 | 5 1 | 17 31.35 | -27 22.4 | 1.653 | 2.487 | 16.0 | 20.7 |
| 5 11 | 17 29.14 | -13 46.0 | 1.702 | 2.607 | 12.2 | 20.3 | 5 11 | 17 27.56 | -28 2.7 | 1.567 | 2.478 | 12.7 | 20.5 |
| 5 21 | 17 21.31 | -13 20.5 | 1.657 | 2.621 | 8.5 | 20.1 | 5 21 | 17 20.84 | -28 40.0 | 1.501 | 2.469 | 8.8 | 20.2 |
| 5 31 | 17 11.79 | -13 0.6 | 1.637 | 2.635 | 4.9 | 19.9 | 5 31 | 17 11.81 | -29 11.0 | 1.459 | 2.461 | 4.7 | 20.0 |
| 6 10 | 17 1.61 | -12 48.2 | 1.643 | 2.648 | 4.0 | 19.9 | 6 10 | 17 1.58 | -29 33.0 | 1.442 | 2.453 | 2.9 | 19.8 |
| 6 20 | 16 51.85 | -12 44.4 | 1.677 | 2.660 | 6.9 | 20.1 | 6 20 | 16 51.45 | -29 45.1 | 1.451 | 2.446 | 6.4 | 20.0 |
| 6 30 | 16 43.52 | -12 50.1 | 1.736 | 2.672 | 10.5 | 20.3 | 6 30 | 16 42.77 | -29 48.6 | 1.485 | 2.438 | 10.6 | 20.3 |
| 7 10 | 16 37.36 | -13 5.0 | 1.817 | 2.683 | 13.8 | 20.5 | 7 10 | 16 36.60 | -29 46.9 | 1.540 | 2.432 | 14.5 | 20.5 |
| 100613 | 1997 SM ₃₁ | | 6 7.7 161 ^o 46 | 4 ^o 0/ 8.7 | 17 | | 42076 | 2001 AQ ₄ | | 6 7.7 157 ^o 86 | 6 ^o 3/ 6.4 | 18 | |
| 5 1 | 17 37.18 | -34 14.6 | 2.278 | 3.070 | 13.5 | 21.7 | 5 1 | 17 27.74 | - 0 50.5 | 2.744 | 3.526 | 11.7 | 19.6 |
| 5 11 | 17 31.16 | -34 42.4 | 2.196 | 3.077 | 10.9 | 21.5 | 5 11 | 17 23.13 | - 0 25.6 | 2.668 | 3.530 | 9.8 | 19.5 |
| 5 21 | 17 22.69 | -35 1.7 | 2.136 | 3.083 | 7.9 | 21.4 | 5 21 | 17 17.01 | - 0 10.7 | 2.614 | 3.534 | 8.0 | 19.4 |
| 5 31 | 17 12.44 | -35 9.3 | 2.101 | 3.089 | 5.2 | 21.2 | 5 31 | 17 9.84 | - 0 8.0 | 2.585 | 3.537 | 6.6 | 19.3 |
| 6 10 | 17 1.40 | -35 3.5 | 2.094 | 3.094 | 4.0 | 21.1 | 6 10 | 17 2.22 | - 0 19.2 | 2.583 | 3.540 | 6.4 | 19.3 |
| 6 20 | 16 50.65 | -34 44.8 | 2.116 | 3.098 | 5.8 | 21.2 | 6 20 | 16 54.77 | - 0 44.5 | 2.608 | 3.543 | 7.5 | 19.4 |
| 6 30 | 16 41.25 | -34 15.8 | 2.164 | 3.102 | 8.7 | 21.4 | 6 30 | 16 48.10 | - 1 23.0 | 2.658 | 3.546 | 9.3 | 19.5 |
| 7 10 | 16 33.98 | -33 41.0 | 2.237 | 3.105 | 11.5 | 21.6 | 7 10 | 16 42.72 | - 2 12.7 | 2.733 | 3.548 | 11.2 | 19.6 |
| 3771 | | | | | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|---------------|---------|------|---------------|------------------------|-----------------|--------------|-------------|---------|------|
| 281825 | 2009 YA ₇ | | 6 7.7 181°91 | 0°1/ 7.7 18 | | | 176509 | 2001 YB ₄₉ | | 6 7.7 198°52 | 0°6/ 7.9 18 | | |
| 5 1 | 17 33.46 | -21 29.2 | 2.214 | 3.029 | 13.1 | 21.3 | 5 1 | 17 30.18 | -24 42.4 | 2.646 | 3.457 | 11.3 | 20.8 |
| 5 11 | 17 28.16 | -21 43.6 | 2.127 | 3.030 | 10.2 | 21.1 | 5 11 | 17 25.32 | -24 49.0 | 2.554 | 3.454 | 8.8 | 20.6 |
| 5 21 | 17 20.67 | -21 57.7 | 2.063 | 3.030 | 6.8 | 20.9 | 5 21 | 17 18.64 | -24 52.9 | 2.485 | 3.451 | 5.9 | 20.4 |
| 5 31 | 17 11.57 | -22 10.7 | 2.025 | 3.030 | 3.0 | 20.6 | 5 31 | 17 10.64 | -24 53.5 | 2.443 | 3.448 | 2.7 | 20.2 |
| 6 10 | 17 1.70 | -22 22.0 | 2.015 | 3.029 | 0.9 | 20.5 | 6 10 | 17 2.03 | -24 50.5 | 2.430 | 3.444 | 0.9 | 20.1 |
| 6 20 | 16 51.99 | -22 31.6 | 2.034 | 3.028 | 4.8 | 20.8 | 6 20 | 16 53.55 | -24 44.5 | 2.446 | 3.440 | 4.1 | 20.3 |
| 6 30 | 16 43.39 | -22 40.2 | 2.080 | 3.026 | 8.5 | 21.0 | 6 30 | 16 45.98 | -24 36.6 | 2.489 | 3.436 | 7.3 | 20.5 |
| 7 10 | 16 36.64 | -22 49.3 | 2.150 | 3.024 | 11.7 | 21.2 | 7 10 | 16 39.93 | -24 28.7 | 2.558 | 3.431 | 10.1 | 20.7 |
| 56328 | 1999 WE | | 6 7.7 178°62 | 6°5/ 5.1 18 | | | 67817 | 2000 VR ₃₀ | | 6 7.7 70°89 | 2°4/ 7.2 18 | | |
| 5 1 | 17 38.15 | -17 1.5 | 1.283 | 2.124 | 19.3 | 19.2 | 5 1 | 17 28.39 | -15 52.7 | 2.250 | 3.073 | 12.7 | 18.6 |
| 5 11 | 17 32.85 | -14 51.4 | 1.211 | 2.126 | 15.3 | 18.9 | 5 11 | 17 24.02 | -15 41.7 | 2.176 | 3.083 | 9.9 | 18.5 |
| 5 21 | 17 24.23 | -12 34.0 | 1.160 | 2.127 | 10.9 | 18.6 | 5 21 | 17 17.79 | -15 33.2 | 2.126 | 3.092 | 6.7 | 18.3 |
| 5 31 | 17 13.22 | -10 17.3 | 1.132 | 2.127 | 7.2 | 18.4 | 5 31 | 17 10.25 | -15 28.0 | 2.100 | 3.102 | 3.6 | 18.1 |
| 6 10 | 17 1.23 | -8 11.6 | 1.131 | 2.127 | 7.1 | 18.4 | 6 10 | 17 2.16 | -15 27.0 | 2.103 | 3.111 | 2.6 | 18.1 |
| 6 20 | 16 49.82 | -6 26.3 | 1.154 | 2.127 | 10.8 | 18.6 | 6 20 | 16 54.32 | -15 30.7 | 2.132 | 3.121 | 5.3 | 18.2 |
| 6 30 | 16 40.41 | -5 8.1 | 1.201 | 2.125 | 15.2 | 18.9 | 6 30 | 16 47.51 | -15 39.8 | 2.189 | 3.130 | 8.4 | 18.5 |
| 7 10 | 16 33.94 | -4 18.6 | 1.267 | 2.124 | 19.2 | 19.1 | 7 10 | 16 42.32 | -15 54.4 | 2.269 | 3.140 | 11.3 | 18.7 |
| 513352 | 2007 VV ₃₃₇ | | 6 7.7 305°71 | 1°2/ 8.1 18 | | | 180821 | 2005 GZ ₃ | | 6 7.7 330°36 | 2°5/ 7.9 17 | | |
| 5 1 | 17 26.23 | -27 7.1 | 2.888 | 3.700 | 10.5 | 21.2 | 5 1 | 17 31.62 | -25 45.3 | 1.333 | 2.182 | 18.3 | 19.8 |
| 5 11 | 17 22.22 | -27 15.1 | 2.789 | 3.689 | 8.2 | 21.0 | 5 11 | 17 28.41 | -26 29.5 | 1.253 | 2.173 | 14.5 | 19.5 |
| 5 21 | 17 16.56 | -27 19.5 | 2.714 | 3.678 | 5.6 | 20.8 | 5 21 | 17 21.77 | -27 12.5 | 1.192 | 2.165 | 10.0 | 19.2 |
| 5 31 | 17 9.70 | -27 19.5 | 2.665 | 3.668 | 2.8 | 20.6 | 5 31 | 17 12.37 | -27 50.3 | 1.153 | 2.157 | 5.1 | 18.9 |
| 6 10 | 17 2.27 | -27 15.0 | 2.644 | 3.657 | 1.4 | 20.5 | 6 10 | 17 1.48 | -28 19.7 | 1.137 | 2.150 | 2.8 | 18.7 |
| 6 20 | 16 54.92 | -27 6.3 | 2.652 | 3.646 | 3.9 | 20.7 | 6 20 | 16 50.71 | -28 38.9 | 1.146 | 2.143 | 7.2 | 19.0 |
| 6 30 | 16 48.35 | -26 54.7 | 2.687 | 3.636 | 6.7 | 20.9 | 6 30 | 16 41.71 | -28 49.3 | 1.178 | 2.137 | 12.2 | 19.2 |
| 7 10 | 16 43.14 | -26 41.9 | 2.748 | 3.625 | 9.3 | 21.0 | 7 10 | 16 35.71 | -28 54.3 | 1.230 | 2.132 | 16.7 | 19.5 |
| 19557 | 1999 JC ₇₉ | | 6 7.7 290°43 | 9°5/ 6.1 18 R | | | 483107 | 2015 MS ₁₀₉ | | 6 7.7 277°13 | 2°4/ 7.3 16 | | |
| 5 1 | 17 29.51 | -0 22.3 | 1.739 | 2.545 | 16.5 | 16.8 | 5 1 | 17 28.97 | -15 6.2 | 2.450 | 3.267 | 12.0 | 22.1 |
| 5 11 | 17 25.62 | +0 23.9 | 1.651 | 2.528 | 14.1 | 16.6 | 5 11 | 17 24.59 | -15 5.3 | 2.344 | 3.246 | 9.4 | 21.9 |
| 5 21 | 17 19.29 | +0 56.3 | 1.582 | 2.510 | 11.7 | 16.4 | 5 21 | 17 18.31 | -15 7.6 | 2.260 | 3.224 | 6.5 | 21.7 |
| 5 31 | 17 11.07 | +1 9.4 | 1.536 | 2.493 | 9.9 | 16.3 | 5 31 | 17 10.57 | -15 13.8 | 2.202 | 3.202 | 3.5 | 21.5 |
| 6 10 | 17 1.85 | +0 59.2 | 1.514 | 2.475 | 9.7 | 16.2 | 6 10 | 17 2.04 | -15 24.4 | 2.172 | 3.180 | 2.6 | 21.4 |
| 6 20 | 16 52.68 | +0 24.2 | 1.515 | 2.458 | 11.3 | 16.3 | 6 20 | 16 53.51 | -15 39.7 | 2.170 | 3.158 | 5.2 | 21.5 |
| 6 30 | 16 44.65 | -0 34.3 | 1.539 | 2.440 | 13.9 | 16.4 | 6 30 | 16 45.77 | -15 59.9 | 2.196 | 3.136 | 8.5 | 21.7 |
| 7 10 | 16 38.62 | -1 52.4 | 1.584 | 2.423 | 16.8 | 16.5 | 7 10 | 16 39.53 | -16 25.2 | 2.246 | 3.113 | 11.5 | 21.8 |
| 316223 | 2010 NL ₅₆ | | 6 7.7 256°59 | 2°4/ 7.1 18 | | | 180496 | 2004 CQ ₈₄ | | 6 7.7 38°97 | 1°8/ 7.4 17 | | |
| 5 1 | 17 27.89 | -15 20.9 | 2.619 | 3.435 | 11.3 | 21.0 | 5 1 | 17 30.90 | -19 38.3 | 1.334 | 2.186 | 18.1 | 20.1 |
| 5 11 | 17 23.55 | -15 7.7 | 2.519 | 3.421 | 8.9 | 20.8 | 5 11 | 17 27.20 | -19 24.0 | 1.273 | 2.196 | 14.1 | 19.8 |
| 5 21 | 17 17.48 | -14 56.6 | 2.442 | 3.406 | 6.1 | 20.6 | 5 21 | 17 20.48 | -19 9.8 | 1.231 | 2.207 | 9.4 | 19.6 |
| 5 31 | 17 10.13 | -14 48.5 | 2.392 | 3.391 | 3.4 | 20.4 | 5 31 | 17 11.58 | -18 56.6 | 1.212 | 2.218 | 4.4 | 19.3 |
| 6 10 | 17 2.16 | -14 44.3 | 2.369 | 3.376 | 2.6 | 20.3 | 6 10 | 17 1.79 | -18 45.6 | 1.216 | 2.229 | 2.3 | 19.2 |
| 6 20 | 16 54.24 | -14 44.8 | 2.375 | 3.361 | 5.0 | 20.4 | 6 20 | 16 52.50 | -18 38.4 | 1.245 | 2.241 | 6.9 | 19.5 |
| 6 30 | 16 47.12 | -14 50.8 | 2.409 | 3.346 | 8.0 | 20.6 | 6 30 | 16 45.00 | -18 36.8 | 1.298 | 2.254 | 11.6 | 19.8 |
| 7 10 | 16 41.38 | -15 2.5 | 2.467 | 3.330 | 10.7 | 20.7 | 7 10 | 16 40.17 | -18 42.0 | 1.371 | 2.267 | 15.6 | 20.1 |
| 89688 | 2001 YK ₆₈ | | 6 7.7 29°97 | 0°8/ 7.8 18 | | | 501799 | 2014 WV ₁₁ | | 6 7.7 191°03 | 0°0/ 7.5 17 | | |
| 5 1 | 17 29.43 | -24 22.0 | 1.952 | 2.782 | 14.1 | 19.2 | 5 1 | 17 35.17 | -23 46.0 | 1.844 | 2.667 | 15.1 | 22.1 |
| 5 11 | 17 25.31 | -24 37.2 | 1.877 | 2.788 | 11.0 | 19.0 | 5 11 | 17 29.93 | -23 37.1 | 1.759 | 2.666 | 11.8 | 21.9 |
| 5 21 | 17 18.89 | -24 50.0 | 1.824 | 2.794 | 7.3 | 18.8 | 5 21 | 17 22.07 | -23 24.5 | 1.695 | 2.664 | 7.9 | 21.6 |
| 5 31 | 17 10.80 | -24 59.2 | 1.795 | 2.801 | 3.4 | 18.5 | 5 31 | 17 12.28 | -23 7.6 | 1.657 | 2.662 | 3.5 | 21.4 |
| 6 10 | 17 1.97 | -25 4.3 | 1.794 | 2.808 | 1.2 | 18.4 | 6 10 | 17 1.58 | -22 46.8 | 1.645 | 2.660 | 1.0 | 21.2 |
| 6 20 | 16 53.41 | -25 5.5 | 1.819 | 2.815 | 5.1 | 18.7 | 6 20 | 16 51.15 | -22 23.7 | 1.661 | 2.656 | 5.6 | 21.5 |
| 6 30 | 16 46.10 | -25 4.4 | 1.870 | 2.823 | 8.8 | 18.9 | 6 30 | 16 42.12 | -22 0.9 | 1.703 | 2.652 | 9.8 | 21.7 |
| 7 10 | 16 40.79 | -25 2.9 | 1.944 | 2.831 | 12.2 | 19.1 | 7 10 | 16 35.34 | -21 41.4 | 1.768 | 2.648 | 13.5 | 21.9 |
| 135313 | 2001 SY ₂₆₈ | | 6 7.7 59°56 | 1°0/ 7.5 18 | | | 146136 | 2000 SS ₂₇ | | 6 7.7 298°91 | 0°7/ 7.5 18 | | |
| 5 1 | 17 29.39 | -20 44.7 | 2.074 | 2.901 | 13.5 | 20.3 | 5 1 | 17 28.68 | -23 1.3 | 2.085 | 2.913 | 13.4 | 20.0 |
| 5 11 | 17 25.08 | -20 32.1 | 1.993 | 2.903 | 10.5 | 20.1 | 5 11 | 17 24.64 | -22 29.6 | 1.991 | 2.902 | 10.4 | 19.8 |
| 5 21 | 17 18.64 | -20 18.3 | 1.934 | 2.904 | 7.0 | 19.9 | 5 21 | 17 18.44 | -21 53.5 | 1.919 | 2.890 | 7.0 | 19.5 |
| 5 31 | 17 10.67 | -20 3.7 | 1.900 | 2.905 | 3.2 | 19.6 | 5 31 | 17 10.63 | -21 13.7 | 1.873 | 2.879 | 3.1 | 19.3 |
| 6 10 | 17 2.01 | -19 49.2 | 1.893 | 2.907 | 1.4 | 19.5 | 6 10 | 17 2.08 | -20 31.8 | 1.853 | 2.867 | 1.3 | 19.1 |
| 6 20 | 16 53.60 | -19 36.0 | 1.914 | 2.908 | 5.1 | 19.8 | 6 20 | 16 53.70 | -19 50.3 | 1.861 | 2.856 | 5.2 | 19.4 |
| 6 30 | 16 46.32 | -19 25.8 | 1.961 | 2.909 | 8.8 | 20.0 | 6 30 | 16 46.43 | -19 12.1 | 1.896 | 2.845 | 9.0 | 19.6 |
| 7 10 | 16 40.87 | -19 19.9 | 2.031 | 2.911 | 12.0 | 20.2 | 7 10 | 16 40.99 | -18 39.9 | 1.954 | 2.834 | 12.4 | 19.8 |
| 34602 | 2000 TO ₅₇ | | 6 7.7 325°17 | 1°6/ 7.6 18 | | | 359775 | 2011 UK ₁₃₇ | | 6 7.7 140°18 | 2°2/ 6.9 18 | | |
| 5 1 | 17 29.52 | -17 10.6 | 2.007 | 2.836 | 13.8 | 18.3 | 5 1 | 17 28.55 | -18 0.5 | 2.492 | 3.311 | 11.7 | 20.9 |
| 5 11 | 17 25.35 | -17 27.0 | 1.920 | 2.830 | 10.8 | 18.1 | 5 11 | 17 23.97 | -17 21.7 | 2.411 | 3.316 | 9.1 | 20.7 |
| 5 21 | 17 18.95 | -17 46.8 | 1.854 | 2.824 | 7.3 | 17.8 | 5 21 | 17 17.68 | -16 42.3 | 2.354 | 3.321 | 6.2 | 20.5 |
| 5 31 | 17 10.87 | -18 10.1 | 1.814 | 2.818 | 3.5 | 17.6 | 5 31 | 17 10.19 | -16 3.7 | 2.324 | 3.325 | 3.2 | 20.4 |
| 6 10 | 17 1.94 | -18 36.3 | 1.800 | 2.813 | 1.9 | 17.4 | 6 10 | 17 2.23 | -15 28.0 | 2.322 | 3.330 | 2.4 | 20.3 |
| 6 20 | 16 53.13 | -19 4.8 | 1.814 | 2.808 | 5.4 | 17.7 | 6 20 | 16 54.50 | -14 57.0 | 2.348 | 3.334 | 5.0 | 20.5 |
| 6 30 | 16 45.40 | -19 35.6 | 1.854 | 2.803 | 9.2 | 17.9 | 6 30 | 16 47.72 | -14 32.3 | 2.401 | 3.339 | 8.0 | 20.7 |
| 7 10 | 16 39.52 | -20 8.5 | 1.918 | 2.798 | 12.6 | 18.1 | 7 10 | 16 42.44 | -14 15.1 | 2.479 | 3.342 | 10.7 | 20.9 |
| 297819 | 2002 AN ₁₁₇ | | 6 7.7 120°89 | 3°0/ 8.7 18 | | | 346050 | 2007 UE ₂₄ | | 6 7.7 230°17 | 2°6/ 6.9 17 | | |
| 5 1 | 17 31.73 | -33 8.4 | 2.546 | 3.344 | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 61187 | 2000 <i>NM</i> ₂₇ | | 6 7.7 260°21 | 0°8/ 7.6 18 | | | 327202 | 2005 <i>NN</i> ₄₀ | | 6 7.7 324°12 | 1°1/ 7.5 17 | | |
| 5 1 | 17 33.38 | -20 20.8 | 2.169 | 2.986 | 13.3 | 19.7 | 5 1 | 17 27.73 | -21 19.8 | 1.297 | 2.157 | 18.1 | 20.5 |
| 5 11 | 17 28.41 | -20 22.2 | 2.058 | 2.962 | 10.5 | 19.5 | 5 11 | 17 25.33 | -21 10.6 | 1.211 | 2.139 | 14.3 | 20.2 |
| 5 21 | 17 21.10 | -20 23.6 | 1.968 | 2.936 | 7.1 | 19.2 | 5 21 | 17 19.71 | -20 59.5 | 1.144 | 2.121 | 9.7 | 19.9 |
| 5 31 | 17 11.92 | -20 24.5 | 1.905 | 2.910 | 3.2 | 18.9 | 5 31 | 17 11.49 | -20 47.0 | 1.098 | 2.105 | 4.4 | 19.5 |
| 6 10 | 17 1.68 | -20 25.0 | 1.869 | 2.883 | 1.3 | 18.7 | 6 10 | 17 1.87 | -20 33.9 | 1.075 | 2.089 | 1.8 | 19.3 |
| 6 20 | 16 51.38 | -20 25.5 | 1.862 | 2.855 | 5.3 | 19.0 | 6 20 | 16 52.34 | -20 22.0 | 1.075 | 2.074 | 7.2 | 19.6 |
| 6 30 | 16 42.03 | -20 27.2 | 1.881 | 2.827 | 9.3 | 19.1 | 6 30 | 16 44.41 | -20 13.9 | 1.098 | 2.060 | 12.6 | 19.8 |
| 7 10 | 16 34.51 | -20 31.6 | 1.925 | 2.798 | 12.9 | 19.3 | 7 10 | 16 39.29 | -20 12.1 | 1.141 | 2.047 | 17.3 | 20.1 |
| 200113 | 1995 <i>UL</i> ₆₉ | | 6 7.7 347°69 | 1°4/ 7.9 17 | | | 140245 | 2001 <i>SM</i> ₂₅₂ | | 6 7.7 250°23 | 3°7/ 6.6 17 | | |
| 5 1 | 17 31.77 | -26 18.2 | 1.183 | 2.039 | 19.7 | 20.5 | 5 1 | 17 28.18 | -13 46.1 | 2.226 | 3.048 | 12.8 | 19.6 |
| 5 11 | 17 28.68 | -26 17.1 | 1.111 | 2.036 | 15.5 | 20.2 | 5 11 | 17 23.98 | -13 7.2 | 2.139 | 3.043 | 10.1 | 19.4 |
| 5 21 | 17 21.96 | -26 9.1 | 1.058 | 2.033 | 10.5 | 19.9 | 5 21 | 17 17.87 | -12 30.5 | 2.076 | 3.038 | 7.2 | 19.2 |
| 5 31 | 17 12.43 | -25 52.4 | 1.025 | 2.031 | 5.0 | 19.6 | 5 31 | 17 10.37 | -11 58.2 | 2.038 | 3.033 | 4.5 | 19.0 |
| 6 10 | 17 1.56 | -25 26.9 | 1.015 | 2.029 | 1.8 | 19.4 | 6 10 | 17 2.25 | -11 32.5 | 2.027 | 3.028 | 3.9 | 19.0 |
| 6 20 | 16 51.09 | -24 55.1 | 1.029 | 2.028 | 7.3 | 19.7 | 6 20 | 16 54.30 | -11 15.3 | 2.043 | 3.023 | 6.3 | 19.1 |
| 6 30 | 16 42.68 | -24 21.6 | 1.064 | 2.027 | 12.7 | 20.0 | 6 30 | 16 47.33 | -11 7.7 | 2.086 | 3.017 | 9.3 | 19.3 |
| 7 10 | 16 37.48 | -23 51.7 | 1.119 | 2.027 | 17.5 | 20.3 | 7 10 | 16 41.97 | -11 10.1 | 2.151 | 3.012 | 12.2 | 19.5 |
| 510672 | 2012 <i>UP</i> ₂₁ | | 6 7.7 246°50 | 3°5/ 6.9 17 | | | 97259 | 1999 <i>XF</i> ₁₁₉ | | 6 7.7 171°38 | 1°9/ 8.2 18 | | |
| 5 1 | 17 29.52 | -14 11.5 | 2.031 | 2.857 | 13.8 | 21.9 | 5 1 | 17 33.23 | -28 42.4 | 2.330 | 3.138 | 12.8 | 21.0 |
| 5 11 | 17 25.23 | -13 46.6 | 1.945 | 2.851 | 10.9 | 21.7 | 5 11 | 17 27.97 | -28 52.6 | 2.244 | 3.141 | 10.1 | 20.8 |
| 5 21 | 17 18.80 | -13 24.6 | 1.881 | 2.846 | 7.6 | 21.5 | 5 21 | 17 20.56 | -28 57.3 | 2.181 | 3.143 | 6.9 | 20.6 |
| 5 31 | 17 10.80 | -13 7.4 | 1.842 | 2.840 | 4.5 | 21.3 | 5 31 | 17 11.58 | -28 55.0 | 2.145 | 3.145 | 3.6 | 20.4 |
| 6 10 | 17 2.06 | -12 56.8 | 1.830 | 2.834 | 3.7 | 21.2 | 6 10 | 17 1.90 | -28 45.1 | 2.136 | 3.147 | 2.0 | 20.3 |
| 6 20 | 16 53.48 | -12 54.0 | 1.845 | 2.829 | 6.4 | 21.4 | 6 20 | 16 52.46 | -28 28.2 | 2.155 | 3.148 | 4.8 | 20.5 |
| 6 30 | 16 45.98 | -12 59.8 | 1.885 | 2.823 | 9.8 | 21.6 | 6 30 | 16 44.16 | -28 6.7 | 2.202 | 3.148 | 8.1 | 20.7 |
| 7 10 | 16 40.29 | -13 14.4 | 1.948 | 2.817 | 13.0 | 21.8 | 7 10 | 16 37.71 | -27 43.4 | 2.273 | 3.149 | 11.1 | 20.9 |
| 272489 | 2005 <i>UA</i> ₁₂₉ | | 6 7.7 169°77 | 0°7/ 7.6 17 | | | 476296 | 2007 <i>VE</i> ₃₁₉ | | 6 7.7 232°91 | 0°1/ 7.7 16 | | |
| 5 1 | 17 32.39 | -22 12.8 | 1.900 | 2.727 | 14.5 | 21.7 | 5 1 | 17 30.35 | -23 9.0 | 2.207 | 3.029 | 13.0 | 22.1 |
| 5 11 | 17 27.62 | -21 56.3 | 1.819 | 2.728 | 11.3 | 21.5 | 5 11 | 17 25.82 | -23 2.4 | 2.117 | 3.024 | 10.1 | 21.9 |
| 5 21 | 17 20.46 | -21 37.1 | 1.760 | 2.730 | 7.5 | 21.3 | 5 21 | 17 19.19 | -22 53.1 | 2.049 | 3.018 | 6.7 | 21.7 |
| 5 31 | 17 11.55 | -21 15.4 | 1.725 | 2.731 | 3.4 | 21.0 | 5 31 | 17 10.99 | -22 41.0 | 2.007 | 3.013 | 3.0 | 21.4 |
| 6 10 | 17 1.87 | -20 52.1 | 1.718 | 2.732 | 1.3 | 20.8 | 6 10 | 17 2.07 | -22 26.4 | 1.992 | 3.007 | 0.9 | 21.2 |
| 6 20 | 16 52.47 | -20 29.0 | 1.738 | 2.733 | 5.4 | 21.1 | 6 20 | 16 53.32 | -22 10.5 | 2.005 | 3.001 | 4.8 | 21.5 |
| 6 30 | 16 44.39 | -20 8.5 | 1.784 | 2.734 | 9.5 | 21.4 | 6 30 | 16 45.64 | -21 55.1 | 2.045 | 2.995 | 8.4 | 21.7 |
| 7 10 | 16 38.39 | -19 52.8 | 1.853 | 2.734 | 13.0 | 21.6 | 7 10 | 16 39.74 | -21 42.1 | 2.109 | 2.988 | 11.7 | 21.9 |
| 497929 | 2006 <i>VX</i> ₁₃₈ | | 6 7.7 241°28 | 1°5/ 7.3 17 | | | 156140 | 2001 <i>TP</i> ₄₄ | | 6 7.7 114°02 | 3°3/ 8.1 18 | | |
| 5 1 | 17 32.71 | -20 54.3 | 1.816 | 2.645 | 15.0 | 22.2 | 5 1 | 17 36.06 | -29 20.0 | 1.888 | 2.702 | 15.1 | 19.5 |
| 5 11 | 17 28.12 | -20 24.5 | 1.724 | 2.634 | 11.8 | 22.0 | 5 11 | 17 30.74 | -30 8.7 | 1.814 | 2.712 | 11.9 | 19.3 |
| 5 21 | 17 20.94 | -19 51.7 | 1.653 | 2.623 | 7.9 | 21.7 | 5 21 | 17 22.70 | -30 52.8 | 1.761 | 2.721 | 8.4 | 19.1 |
| 5 31 | 17 11.83 | -19 16.7 | 1.607 | 2.612 | 3.7 | 21.5 | 5 31 | 17 12.62 | -31 28.4 | 1.733 | 2.730 | 4.8 | 18.9 |
| 6 10 | 17 1.77 | -18 41.4 | 1.587 | 2.600 | 2.0 | 21.3 | 6 10 | 17 1.59 | -31 52.7 | 1.732 | 2.739 | 3.4 | 18.8 |
| 6 20 | 16 51.89 | -18 8.1 | 1.595 | 2.588 | 6.1 | 21.6 | 6 20 | 16 50.83 | -32 5.1 | 1.758 | 2.748 | 6.1 | 19.0 |
| 6 30 | 16 43.30 | -17 39.9 | 1.628 | 2.576 | 10.3 | 21.8 | 6 30 | 16 41.55 | -32 7.2 | 1.811 | 2.756 | 9.6 | 19.2 |
| 7 10 | 16 36.88 | -17 19.3 | 1.684 | 2.563 | 14.1 | 22.0 | 7 10 | 16 34.62 | -32 2.6 | 1.886 | 2.764 | 12.9 | 19.4 |
| 268056 | 2004 <i>RS</i> ₁₉ | | 6 7.7 304°31 | 3°2/ 7.1 18 | | | 319117 | 2005 <i>XU</i> ₆₃ | | 6 7.7 282°73 | 2°7/ 8.2 18 | | |
| 5 1 | 17 29.92 | -16 2.6 | 1.687 | 2.525 | 15.6 | 20.6 | 5 1 | 17 32.68 | -30 8.7 | 2.518 | 3.321 | 12.1 | 20.8 |
| 5 11 | 17 26.02 | -15 41.2 | 1.605 | 2.519 | 12.3 | 20.4 | 5 11 | 17 27.81 | -30 36.5 | 2.397 | 3.288 | 9.7 | 20.6 |
| 5 21 | 17 19.58 | -15 22.1 | 1.543 | 2.513 | 8.5 | 20.1 | 5 21 | 17 20.70 | -31 0.0 | 2.298 | 3.255 | 6.9 | 20.4 |
| 5 31 | 17 11.23 | -15 7.1 | 1.505 | 2.507 | 4.6 | 19.9 | 5 31 | 17 11.78 | -31 16.9 | 2.225 | 3.221 | 4.0 | 20.1 |
| 6 10 | 17 1.96 | -14 57.8 | 1.492 | 2.501 | 3.4 | 19.8 | 6 10 | 17 1.80 | -31 25.1 | 2.180 | 3.187 | 2.8 | 20.0 |
| 6 20 | 16 52.88 | -14 55.6 | 1.506 | 2.496 | 6.8 | 20.0 | 6 20 | 16 51.68 | -31 24.3 | 2.164 | 3.153 | 5.1 | 20.1 |
| 6 30 | 16 45.11 | -15 1.7 | 1.544 | 2.490 | 10.9 | 20.2 | 6 30 | 16 42.41 | -31 15.3 | 2.175 | 3.118 | 8.4 | 20.2 |
| 7 10 | 16 39.51 | -15 16.4 | 1.604 | 2.485 | 14.6 | 20.4 | 7 10 | 16 34.85 | -31 1.0 | 2.211 | 3.082 | 11.5 | 20.4 |
| 229551 | 2005 <i>YP</i> ₁₇₃ | | 6 7.7 199°91 | 3°0/ 7.4 18 | | | 283663 | 2002 <i>PK</i> ₉₀ | | 6 7.7 325°88 | 0°3/ 7.9 16 | | |
| 5 1 | 17 32.89 | -13 17.2 | 2.195 | 3.007 | 13.3 | 20.7 | 5 1 | 17 28.56 | -26 59.2 | 1.588 | 2.430 | 16.2 | 20.2 |
| 5 11 | 17 27.70 | -13 22.0 | 2.106 | 3.004 | 10.5 | 20.5 | 5 11 | 17 25.37 | -26 19.5 | 1.496 | 2.413 | 12.8 | 19.9 |
| 5 21 | 17 20.40 | -13 32.0 | 2.039 | 3.001 | 7.3 | 20.3 | 5 21 | 17 19.35 | -25 29.6 | 1.424 | 2.398 | 8.6 | 19.7 |
| 5 31 | 17 11.52 | -13 47.8 | 1.998 | 2.997 | 4.2 | 20.1 | 5 31 | 17 11.20 | -24 29.7 | 1.376 | 2.383 | 3.9 | 19.3 |
| 6 10 | 17 1.88 | -14 9.6 | 1.986 | 2.992 | 3.1 | 20.0 | 6 10 | 17 2.01 | -23 22.1 | 1.353 | 2.368 | 1.1 | 19.1 |
| 6 20 | 16 52.36 | -14 37.2 | 2.001 | 2.987 | 5.8 | 20.1 | 6 20 | 16 53.05 | -22 11.2 | 1.356 | 2.354 | 6.1 | 19.4 |
| 6 30 | 16 43.86 | -15 10.3 | 2.044 | 2.982 | 9.1 | 20.3 | 6 30 | 16 45.58 | -21 2.4 | 1.384 | 2.341 | 10.9 | 19.6 |
| 7 10 | 16 37.11 | -15 48.2 | 2.111 | 2.976 | 12.2 | 20.5 | 7 10 | 16 40.53 | -20 1.3 | 1.433 | 2.329 | 15.1 | 19.9 |
| 480680 | 2015 <i>PT</i> ₃₉ | | 6 7.7 194°30 | 4°7/ 6.6 18 | | | 1774 | Kulikov | | 6 7.7 191°51 | 0°9/ 7.5 18 | | |
| 5 1 | 17 26.67 | - 6 19.4 | 2.833 | 3.632 | 11.0 | 21.5 | 5 1 | 17 30.16 | -20 48.7 | 2.253 | 3.074 | 12.7 | 17.0 |
| 5 11 | 17 22.35 | - 5 58.4 | 2.749 | 3.631 | 8.9 | 21.4 | 5 11 | 17 25.55 | -20 38.2 | 2.167 | 3.073 | 9.9 | 16.8 |
| 5 21 | 17 16.56 | - 5 44.1 | 2.688 | 3.630 | 6.8 | 21.3 | 5 21 | 17 18.94 | -20 26.4 | 2.104 | 3.073 | 6.6 | 16.6 |
| 5 31 | 17 9.73 | - 5 38.4 | 2.653 | 3.628 | 5.1 | 21.1 | 5 31 | 17 10.86 | -20 13.8 | 2.066 | 3.071 | 3.0 | 16.3 |
| 6 10 | 17 2.42 | - 5 42.5 | 2.646 | 3.627 | 4.8 | 21.1 | 6 10 | 17 2.13 | -20 0.9 | 2.056 | 3.070 | 1.3 | 16.2 |
| 6 20 | 16 55.25 | - 5 56.9 | 2.666 | 3.625 | 6.2 | 21.2 | 6 20 | 16 53.59 | -19 49.0 | 2.075 | 3.069 | 4.8 | 16.4 |
| 6 30 | 16 48.82 | - 6 21.5 | 2.713 | 3.623 | 8.3 | 21.3 | 6 30 | 16 46.09 | -19 39.3 | 2.120 | 3.067 | 8.3 | 16.6 |
| 7 10 | 16 43.61 | - 6 55.2 | 2.784 | 3.621 | 10.4 | 21.5 | 7 10 | 16 40.32 | -19 33.5 | 2.189 | 3.065 | 11.4 | 16.8 |
| 58591 | 1997 <i>SV</i> ₃₁ | | 6 7.7 310°01 | 1°0/ 7.6 18 | | | 297478 | 2000 <i>TW</i> ₅₈ | | 6 7.7 182°3 | | | |

EPHEMERIDES

6 7.7

6 7.8

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|------------|---------|------|---------------|------------------------|-----------------|--------------|----------|---------|------|
| 285552 | 2000 JS ₉₀ | | 6 7.7 165°58 | 4.3/ 6.5 | 18 | | 256066 | 2006 UD ₁₄₆ | | 6 7.7 276°70 | 4.6/ 8.6 | 18 | |
| 5 1 | 17 29.28 | -10 55.0 | 2.334 | 3.148 | 12.6 | 21.1 | 5 1 | 17 34.83 | -32 34.4 | 1.559 | 2.384 | 17.3 | 20.7 |
| 5 11 | 17 24.66 | -10 19.5 | 2.255 | 3.151 | 10.0 | 20.9 | 5 11 | 17 30.73 | -33 2.7 | 1.468 | 2.370 | 14.0 | 20.4 |
| 5 21 | 17 18.22 | -9 48.4 | 2.198 | 3.154 | 7.3 | 20.7 | 5 21 | 17 23.27 | -33 22.2 | 1.396 | 2.356 | 10.2 | 20.1 |
| 5 31 | 17 10.51 | -9 23.9 | 2.167 | 3.156 | 4.9 | 20.6 | 5 31 | 17 13.10 | -33 28.1 | 1.346 | 2.341 | 6.3 | 19.9 |
| 6 10 | 17 2.24 | -9 8.0 | 2.164 | 3.158 | 4.5 | 20.6 | 6 10 | 17 1.49 | -33 17.6 | 1.321 | 2.327 | 4.6 | 19.7 |
| 6 20 | 16 54.19 | -9 1.9 | 2.188 | 3.160 | 6.5 | 20.7 | 6 20 | 16 49.99 | -32 50.6 | 1.321 | 2.312 | 7.4 | 19.9 |
| 6 30 | 16 47.09 | -9 6.3 | 2.238 | 3.161 | 9.2 | 20.9 | 6 30 | 16 40.20 | -32 11.2 | 1.346 | 2.298 | 11.7 | 20.1 |
| 7 10 | 16 41.54 | -9 20.7 | 2.312 | 3.163 | 11.8 | 21.0 | 7 10 | 16 33.31 | -31 25.6 | 1.391 | 2.283 | 15.8 | 20.3 |
| 438804 | 2008 YD ₇₆ | | 6 7.7 239°41 | 12.8/ 12.1 | 17 | | 57628 | 2001 TR ₁₆₈ | | 6 7.8 107°79 | 2.7/ 8.7 | 18 | |
| 5 1 | 17 49.27 | -49 37.3 | 1.239 | 2.018 | 23.3 | 21.5 | 5 1 | 17 32.65 | -32 26.9 | 2.480 | 3.280 | 12.3 | 19.5 |
| 5 11 | 17 44.05 | -50 14.3 | 1.158 | 2.009 | 20.6 | 21.3 | 5 11 | 17 27.32 | -32 29.9 | 2.406 | 3.295 | 9.8 | 19.3 |
| 5 21 | 17 33.16 | -50 23.7 | 1.091 | 1.999 | 17.4 | 21.0 | 5 21 | 17 19.99 | -32 25.1 | 2.355 | 3.310 | 6.9 | 19.2 |
| 5 31 | 17 17.68 | -49 52.2 | 1.042 | 1.989 | 14.5 | 20.8 | 5 31 | 17 11.30 | -32 10.9 | 2.330 | 3.325 | 4.1 | 19.0 |
| 6 10 | 17 0.13 | -48 30.7 | 1.014 | 1.978 | 12.8 | 20.7 | 6 10 | 17 2.09 | -31 47.2 | 2.333 | 3.339 | 2.8 | 18.9 |
| 6 20 | 16 43.58 | -46 20.4 | 1.007 | 1.967 | 13.6 | 20.7 | 6 20 | 16 53.23 | -31 15.2 | 2.364 | 3.353 | 4.7 | 19.1 |
| 6 30 | 16 30.74 | -43 34.4 | 1.023 | 1.956 | 16.4 | 20.8 | 6 30 | 16 45.56 | -30 37.8 | 2.422 | 3.367 | 7.5 | 19.3 |
| 7 10 | 16 23.01 | -40 32.7 | 1.058 | 1.944 | 20.1 | 21.0 | 7 10 | 16 39.68 | -29 58.4 | 2.506 | 3.381 | 10.2 | 19.5 |
| 383318 | 2006 HN ₉₃ | | 6 7.7 116°91 | 4.9/ 6.8 | 17 | | 284441 | 2007 EN ₃₇ | | 6 7.8 130°14 | 0.6/ 7.6 | 17 | R |
| 5 1 | 17 30.82 | -9 18.7 | 2.150 | 2.962 | 13.6 | 21.6 | 5 1 | 17 33.78 | -22 5.7 | 2.023 | 2.843 | 14.0 | 22.2 |
| 5 11 | 17 25.90 | -8 50.4 | 2.082 | 2.976 | 10.9 | 21.4 | 5 11 | 17 28.46 | -21 54.0 | 1.949 | 2.855 | 10.9 | 22.0 |
| 5 21 | 17 19.05 | -8 28.6 | 2.036 | 2.989 | 8.0 | 21.3 | 5 21 | 17 20.89 | -21 40.1 | 1.898 | 2.867 | 7.2 | 21.8 |
| 5 31 | 17 10.87 | -8 15.6 | 2.015 | 3.001 | 5.5 | 21.2 | 5 31 | 17 11.74 | -21 24.0 | 1.873 | 2.878 | 3.2 | 21.6 |
| 6 10 | 17 2.16 | -8 13.0 | 2.021 | 3.013 | 5.0 | 21.1 | 6 10 | 17 1.96 | -21 6.4 | 1.875 | 2.889 | 1.2 | 21.4 |
| 6 20 | 16 53.74 | -8 21.5 | 2.055 | 3.025 | 6.9 | 21.3 | 6 20 | 16 52.53 | -20 48.7 | 1.905 | 2.900 | 5.1 | 21.7 |
| 6 30 | 16 46.41 | -8 41.0 | 2.114 | 3.037 | 9.7 | 21.5 | 6 30 | 16 44.39 | -20 32.9 | 1.962 | 2.910 | 8.8 | 22.0 |
| 7 10 | 16 40.79 | -9 10.2 | 2.197 | 3.048 | 12.3 | 21.7 | 7 10 | 16 38.26 | -20 21.0 | 2.043 | 2.919 | 12.1 | 22.2 |
| 307251 | 2002 KW ₁₄ | | 6 7.7 51°82 | 0.1/ 8.0 | 15 | | 239703 | 2008 YZ ₁₆₇ | | 6 7.8 204°59 | 2.4/ 7.2 | 17 | |
| 5 1 | 17 7.16 | -25 54.3 | 41.738 | 42.543 | 0.8 | 22.0 | 5 1 | 17 30.04 | -16 29.3 | 2.162 | 2.985 | 13.2 | 21.0 |
| 5 11 | 17 6.45 | -25 54.2 | 41.651 | 42.548 | 0.6 | 22.0 | 5 11 | 17 25.53 | -16 12.5 | 2.077 | 2.983 | 10.3 | 20.8 |
| 5 21 | 17 5.66 | -25 53.9 | 41.589 | 42.553 | 0.4 | 21.9 | 5 21 | 17 18.97 | -15 57.4 | 2.014 | 2.980 | 7.0 | 20.6 |
| 5 31 | 17 4.81 | -25 53.3 | 41.555 | 42.558 | 0.2 | 21.9 | 5 31 | 17 10.92 | -15 44.9 | 1.976 | 2.978 | 3.7 | 20.4 |
| 6 10 | 17 3.94 | -25 52.6 | 41.550 | 42.563 | 0.1 | 21.9 | 6 10 | 17 2.18 | -15 36.4 | 1.966 | 2.975 | 2.7 | 20.3 |
| 6 20 | 17 3.08 | -25 51.7 | 41.574 | 42.568 | 0.3 | 21.9 | 6 20 | 16 53.63 | -15 32.7 | 1.984 | 2.972 | 5.6 | 20.5 |
| 6 30 | 17 2.25 | -25 50.8 | 41.626 | 42.573 | 0.5 | 21.9 | 6 30 | 16 46.11 | -15 34.8 | 2.028 | 2.969 | 9.0 | 20.7 |
| 7 10 | 17 1.49 | -25 49.8 | 41.705 | 42.578 | 0.7 | 22.0 | 7 10 | 16 40.33 | -15 43.4 | 2.095 | 2.966 | 12.1 | 20.9 |
| 243638 | 1999 TE ₂₈ | | 6 7.7 222°11 | 6.2/ 8.6 | 18 | | 325950 | 2010 VB ₈₀ | | 6 7.8 319°82 | 2.1/ 7.9 | 17 | |
| 5 1 | 17 38.95 | -40 32.3 | 2.588 | 3.352 | 12.8 | 21.5 | 5 1 | 17 31.44 | -25 4.2 | 1.326 | 2.176 | 18.3 | 20.5 |
| 5 11 | 17 32.86 | -41 32.7 | 2.489 | 3.341 | 10.8 | 21.4 | 5 11 | 17 28.36 | -25 42.6 | 1.242 | 2.163 | 14.5 | 20.3 |
| 5 21 | 17 24.14 | -42 24.2 | 2.411 | 3.329 | 8.6 | 21.2 | 5 21 | 17 21.85 | -26 20.3 | 1.178 | 2.151 | 9.9 | 20.0 |
| 5 31 | 17 13.33 | -43 1.9 | 2.359 | 3.317 | 6.8 | 21.1 | 5 31 | 17 12.53 | -26 53.8 | 1.135 | 2.140 | 4.9 | 19.6 |
| 6 10 | 17 1.39 | -43 22.2 | 2.334 | 3.304 | 6.2 | 21.0 | 6 10 | 17 1.66 | -27 20.1 | 1.115 | 2.129 | 2.4 | 19.4 |
| 6 20 | 16 49.42 | -43 23.8 | 2.336 | 3.290 | 7.2 | 21.1 | 6 20 | 16 50.84 | -27 37.6 | 1.120 | 2.118 | 7.2 | 19.7 |
| 6 30 | 16 38.62 | -43 8.3 | 2.365 | 3.275 | 9.3 | 21.2 | 6 30 | 16 41.74 | -27 47.7 | 1.148 | 2.108 | 12.3 | 20.0 |
| 7 10 | 16 29.93 | -42 40.1 | 2.418 | 3.260 | 11.6 | 21.3 | 7 10 | 16 35.64 | -27 53.6 | 1.196 | 2.099 | 16.9 | 20.2 |
| 479185 | 2013 CW ₆₀ | | 6 7.7 203°16 | 3.2/ 8.6 | 18 | | 190032 | 2004 RG ₄₁ | | 6 7.8 231°66 | 6.6/ 5.8 | 17 | |
| 5 1 | 17 31.79 | -33 15.7 | 2.621 | 3.418 | 11.8 | 21.7 | 5 1 | 17 26.63 | -2 50.2 | 2.483 | 3.280 | 12.4 | 20.4 |
| 5 11 | 17 26.79 | -33 35.8 | 2.530 | 3.415 | 9.5 | 21.5 | 5 11 | 17 22.54 | -2 4.6 | 2.404 | 3.278 | 10.3 | 20.2 |
| 5 21 | 17 19.76 | -33 48.8 | 2.461 | 3.412 | 6.9 | 21.3 | 5 21 | 17 16.81 | -1 27.6 | 2.347 | 3.276 | 8.3 | 20.1 |
| 5 31 | 17 11.25 | -33 52.6 | 2.418 | 3.408 | 4.3 | 21.2 | 5 31 | 17 9.91 | -1 2.5 | 2.315 | 3.273 | 6.9 | 20.0 |
| 6 10 | 17 2.04 | -33 46.1 | 2.403 | 3.405 | 3.3 | 21.1 | 6 10 | 17 2.50 | -0 51.8 | 2.309 | 3.271 | 6.8 | 20.0 |
| 6 20 | 16 53.00 | -33 29.7 | 2.415 | 3.401 | 5.0 | 21.2 | 6 20 | 16 55.23 | -0 56.5 | 2.329 | 3.268 | 8.0 | 20.1 |
| 6 30 | 16 44.99 | -33 5.4 | 2.456 | 3.396 | 7.7 | 21.4 | 6 30 | 16 48.81 | -1 16.4 | 2.374 | 3.266 | 10.0 | 20.2 |
| 7 10 | 16 38.69 | -32 36.3 | 2.521 | 3.392 | 10.3 | 21.5 | 7 10 | 16 43.76 | -1 50.0 | 2.441 | 3.263 | 12.2 | 20.3 |
| 12790 | Cernan | | 6 7.7 12°66 | 1.4/ 7.6 | 17 | | 356841 | 2011 VM ₂₂ | | 6 7.8 196°19 | 3.5/ 8.8 | 18 | |
| 5 1 | 17 31.09 | -19 13.0 | 1.347 | 2.198 | 18.0 | 18.6 | 5 1 | 17 32.01 | -34 25.7 | 2.659 | 3.451 | 11.8 | 22.0 |
| 5 11 | 17 27.55 | -19 17.4 | 1.277 | 2.199 | 14.1 | 18.3 | 5 11 | 17 26.94 | -34 44.1 | 2.568 | 3.449 | 9.5 | 21.9 |
| 5 21 | 17 20.91 | -19 23.7 | 1.226 | 2.201 | 9.5 | 18.1 | 5 21 | 17 19.86 | -34 54.8 | 2.500 | 3.447 | 7.0 | 21.7 |
| 5 31 | 17 11.92 | -19 31.9 | 1.197 | 2.203 | 4.4 | 17.8 | 5 31 | 17 11.31 | -34 55.5 | 2.457 | 3.445 | 4.5 | 21.5 |
| 6 10 | 17 1.84 | -19 41.9 | 1.192 | 2.206 | 2.0 | 17.6 | 6 10 | 17 2.08 | -34 45.2 | 2.442 | 3.442 | 3.5 | 21.5 |
| 6 20 | 16 52.08 | -19 54.0 | 1.212 | 2.209 | 6.9 | 17.9 | 6 20 | 16 53.05 | -34 24.5 | 2.456 | 3.439 | 5.1 | 21.6 |
| 6 30 | 16 44.03 | -20 9.0 | 1.255 | 2.212 | 11.7 | 18.2 | 6 30 | 16 45.05 | -33 55.4 | 2.497 | 3.436 | 7.6 | 21.7 |
| 7 10 | 16 38.69 | -20 28.0 | 1.318 | 2.216 | 16.0 | 18.5 | 7 10 | 16 38.77 | -33 21.3 | 2.562 | 3.432 | 10.2 | 21.9 |
| 38676 | 2000 PR ₁₅ | | 6 7.7 261°87 | 1.0/ 7.5 | 18 | | 418168 | 2008 BA ₄ | | 6 7.8 61°08 | 4.5/ 8.8 | 17 | |
| 5 1 | 17 33.06 | -20 23.1 | 2.127 | 2.946 | 13.5 | 20.7 | 5 1 | 17 35.65 | -33 0.7 | 1.431 | 2.260 | 18.3 | 20.9 |
| 5 11 | 17 28.22 | -20 16.8 | 2.016 | 2.921 | 10.6 | 20.4 | 5 11 | 17 31.15 | -33 23.6 | 1.368 | 2.272 | 14.7 | 20.7 |
| 5 21 | 17 21.02 | -20 9.7 | 1.927 | 2.896 | 7.2 | 20.2 | 5 21 | 17 23.27 | -33 35.1 | 1.324 | 2.285 | 10.5 | 20.5 |
| 5 31 | 17 11.94 | -20 1.9 | 1.865 | 2.870 | 3.3 | 19.9 | 5 31 | 17 12.94 | -33 31.3 | 1.303 | 2.298 | 6.4 | 20.3 |
| 6 10 | 17 1.83 | -19 53.5 | 1.829 | 2.843 | 1.5 | 19.7 | 6 10 | 17 1.63 | -33 10.5 | 1.305 | 2.311 | 4.6 | 20.2 |
| 6 20 | 16 51.66 | -19 45.7 | 1.822 | 2.815 | 5.4 | 19.9 | 6 20 | 16 50.94 | -32 34.8 | 1.333 | 2.324 | 7.3 | 20.4 |
| 6 30 | 16 42.47 | -19 39.7 | 1.842 | 2.787 | 9.4 | 20.1 | 6 30 | 16 42.30 | -31 49.2 | 1.384 | 2.338 | 11.3 | 20.6 |
| 7 10 | 16 35.15 | -19 37.5 | 1.885 | 2.759 | 13.1 | 20.2 | 7 10 | 16 36.66 | -31 0.4 | 1.457 | 2.351 | 15.0 | 20.9 |
| 496212 | 2011 UT ₁₄₂ | | 6 7.7 239°76 | 0.0/ 7.5 | 16 | | 163052 | 2001 YJ ₉ | | 6 7.8 69°33 | 4.5/ 8.8 | 17 | |
| 5 1 | 17 35.75 | -24 8.8 | 1.676 | 2 | | | | | | | | | |

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6 7.8

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 126899 | 2002 <i>ES</i> ₁₀₇ | | 6 7.8 182°60 | 1.2°/ 8.1 | 18 | | 306837 | 2001 <i>SL</i> ₂₈ | | 6 7.8 300°85 | 5.5°/ 8.5 | 18 | |
| 5 1 | 17 33.62 | -27 0.8 | 2.233 | 3.045 | 13.2 | 21.1 | 5 1 | 17 32.97 | -35 30.2 | 1.996 | 2.801 | 14.7 | 20.6 |
| 5 11 | 17 28.36 | -27 1.2 | 2.146 | 3.045 | 10.3 | 20.9 | 5 11 | 17 28.69 | -36 21.2 | 1.902 | 2.789 | 12.1 | 20.4 |
| 5 21 | 17 20.88 | -26 56.7 | 2.081 | 3.045 | 7.0 | 20.7 | 5 21 | 17 21.61 | -37 4.5 | 1.830 | 2.776 | 9.1 | 20.1 |
| 5 31 | 17 11.79 | -26 45.9 | 2.042 | 3.045 | 3.4 | 20.5 | 5 31 | 17 12.32 | -37 35.3 | 1.781 | 2.764 | 6.5 | 20.0 |
| 6 10 | 17 1.98 | -26 28.9 | 2.031 | 3.044 | 1.4 | 20.4 | 6 10 | 17 1.84 | -37 50.3 | 1.759 | 2.752 | 5.5 | 19.9 |
| 6 20 | 16 52.39 | -26 6.7 | 2.048 | 3.043 | 4.8 | 20.6 | 6 20 | 16 51.41 | -37 48.4 | 1.762 | 2.740 | 7.2 | 19.9 |
| 6 30 | 16 43.99 | -25 41.6 | 2.093 | 3.041 | 8.3 | 20.8 | 6 30 | 16 42.31 | -37 31.7 | 1.790 | 2.728 | 10.2 | 20.1 |
| 7 10 | 16 37.49 | -25 16.7 | 2.162 | 3.039 | 11.5 | 21.0 | 7 10 | 16 35.55 | -37 4.7 | 1.841 | 2.716 | 13.3 | 20.3 |
| 506885 | 2008 <i>AM</i> ₇₆ | | 6 7.8 115°31 | 0.2°/ 7.8 | 17 | | 436905 | 2012 <i>TS</i> ₇₁ | | 6 7.8 270°95 | 1°8/ 7.2 | 17 | |
| 5 1 | 17 30.85 | -23 31.6 | 2.457 | 3.272 | 12.0 | 22.3 | 5 1 | 17 29.99 | -19 46.9 | 1.939 | 2.770 | 14.2 | 21.4 |
| 5 11 | 17 25.88 | -23 35.2 | 2.382 | 3.284 | 9.3 | 22.1 | 5 11 | 17 25.79 | -19 16.7 | 1.853 | 2.764 | 11.1 | 21.1 |
| 5 21 | 17 19.05 | -23 36.5 | 2.330 | 3.297 | 6.2 | 21.9 | 5 21 | 17 19.30 | -18 44.8 | 1.788 | 2.759 | 7.4 | 20.9 |
| 5 31 | 17 10.92 | -23 35.2 | 2.304 | 3.309 | 2.8 | 21.7 | 5 31 | 17 11.14 | -18 12.3 | 1.748 | 2.753 | 3.6 | 20.7 |
| 6 10 | 17 2.25 | -23 31.1 | 2.306 | 3.321 | 0.8 | 21.6 | 6 10 | 17 2.21 | -17 41.2 | 1.736 | 2.747 | 2.2 | 20.5 |
| 6 20 | 16 53.85 | -23 25.0 | 2.338 | 3.333 | 4.2 | 21.8 | 6 20 | 16 53.49 | -17 13.5 | 1.750 | 2.742 | 5.8 | 20.8 |
| 6 30 | 16 46.47 | -23 18.2 | 2.396 | 3.344 | 7.5 | 22.1 | 6 30 | 16 45.96 | -16 51.6 | 1.789 | 2.736 | 9.6 | 21.0 |
| 7 10 | 16 40.72 | -23 12.3 | 2.480 | 3.355 | 10.3 | 22.3 | 7 10 | 16 40.36 | -16 37.3 | 1.852 | 2.731 | 13.1 | 21.2 |
| 416638 | 2004 <i>SL</i> ₂₉ | | 6 7.8 308°01 | 4.3°/ 8.3 | 17 | | 404972 | 1999 <i>TJ</i> ₂₆₄ | | 6 7.8 205°28 | 0.7°/ 7.5 | 18 | |
| 5 1 | 17 31.48 | -30 15.3 | 1.226 | 2.077 | 19.5 | 20.9 | 5 1 | 17 24.59 | -20 9.2 | 3.870 | 4.677 | 8.1 | 22.7 |
| 5 11 | 17 28.98 | -30 47.4 | 1.137 | 2.056 | 15.8 | 20.6 | 5 11 | 17 20.47 | -19 58.3 | 3.773 | 4.673 | 6.3 | 22.5 |
| 5 21 | 17 22.64 | -31 12.3 | 1.065 | 2.035 | 11.3 | 20.3 | 5 21 | 17 15.22 | -19 46.8 | 3.702 | 4.668 | 4.2 | 22.4 |
| 5 31 | 17 13.04 | -31 24.9 | 1.014 | 2.015 | 6.6 | 19.9 | 5 31 | 17 9.19 | -19 35.0 | 3.659 | 4.663 | 1.9 | 22.2 |
| 6 10 | 17 1.55 | -31 21.5 | 0.985 | 1.995 | 4.4 | 19.8 | 6 10 | 17 2.79 | -19 23.4 | 3.645 | 4.658 | 1.0 | 22.1 |
| 6 20 | 16 50.00 | -31 1.4 | 0.979 | 1.975 | 8.3 | 19.9 | 6 20 | 16 56.49 | -19 12.6 | 3.661 | 4.653 | 3.1 | 22.3 |
| 6 30 | 16 40.37 | -30 28.5 | 0.995 | 1.957 | 13.6 | 20.1 | 6 30 | 16 50.74 | -19 3.5 | 3.706 | 4.647 | 5.3 | 22.4 |
| 7 10 | 16 34.14 | -29 49.9 | 1.029 | 1.939 | 18.5 | 20.4 | 7 10 | 16 45.92 | -18 56.8 | 3.777 | 4.641 | 7.3 | 22.6 |
| 351957 | 2006 <i>TO</i> ₁₀₂ | | 6 7.8 105°29 | 4°0/ 8.5 | 17 | | 250292 | 2003 <i>PV</i> ₁₂ | | 6 7.8 311°84 | 1°4/ 8.1 | 17 | |
| 5 1 | 17 33.02 | -33 20.6 | 2.268 | 3.070 | 13.3 | 20.9 | 5 1 | 17 29.90 | -27 11.6 | 1.265 | 2.119 | 18.8 | 20.4 |
| 5 11 | 17 28.08 | -34 0.1 | 2.187 | 3.075 | 10.7 | 20.7 | 5 11 | 17 27.36 | -27 0.1 | 1.175 | 2.099 | 15.0 | 20.1 |
| 5 21 | 17 20.80 | -34 32.6 | 2.129 | 3.080 | 7.8 | 20.5 | 5 21 | 17 21.29 | -26 39.5 | 1.103 | 2.078 | 10.3 | 19.8 |
| 5 31 | 17 11.80 | -34 54.9 | 2.096 | 3.085 | 5.1 | 20.4 | 5 31 | 17 12.34 | -26 8.1 | 1.053 | 2.059 | 4.9 | 19.4 |
| 6 10 | 17 1.99 | -35 5.0 | 2.090 | 3.090 | 4.0 | 20.3 | 6 10 | 17 1.83 | -25 26.1 | 1.025 | 2.040 | 1.8 | 19.1 |
| 6 20 | 16 52.40 | -35 2.7 | 2.112 | 3.095 | 5.8 | 20.4 | 6 20 | 16 51.39 | -24 36.4 | 1.021 | 2.021 | 7.3 | 19.4 |
| 6 30 | 16 44.02 | -34 50.0 | 2.160 | 3.100 | 8.6 | 20.6 | 6 30 | 16 42.75 | -23 44.5 | 1.039 | 2.003 | 12.9 | 19.6 |
| 7 10 | 16 37.65 | -34 30.5 | 2.232 | 3.104 | 11.4 | 20.8 | 7 10 | 16 37.19 | -22 57.0 | 1.077 | 1.986 | 17.9 | 19.9 |
| 478804 | 2012 <i>UJ</i> ₁₆₉ | | 6 7.8 220°54 | 3°5/ 6.8 | 17 | | 192636 | 1999 <i>QL</i> ₂ | | 6 7.8 292°72 | 7°4/ 5.7 | 17 | |
| 5 1 | 17 30.16 | -12 2.2 | 2.601 | 3.409 | 11.6 | 22.6 | 5 1 | 17 28.54 | -6 44.6 | 1.769 | 2.593 | 15.6 | 20.2 |
| 5 11 | 17 25.30 | -11 39.3 | 2.505 | 3.398 | 9.2 | 22.5 | 5 11 | 17 24.91 | -5 45.8 | 1.677 | 2.574 | 12.9 | 19.9 |
| 5 21 | 17 18.69 | -11 20.0 | 2.431 | 3.388 | 6.6 | 22.3 | 5 21 | 17 18.90 | -4 53.9 | 1.607 | 2.555 | 10.0 | 19.7 |
| 5 31 | 17 10.80 | -11 5.7 | 2.384 | 3.376 | 4.2 | 22.1 | 5 31 | 17 11.04 | -4 13.9 | 1.559 | 2.536 | 7.9 | 19.5 |
| 6 10 | 17 2.29 | -10 58.0 | 2.366 | 3.364 | 3.7 | 22.1 | 6 10 | 17 2.23 | -3 50.0 | 1.536 | 2.517 | 7.7 | 19.5 |
| 6 20 | 16 53.86 | -10 57.7 | 2.375 | 3.352 | 5.7 | 22.2 | 6 20 | 16 53.47 | -3 45.1 | 1.538 | 2.498 | 9.8 | 19.6 |
| 6 30 | 16 46.25 | -11 5.4 | 2.413 | 3.339 | 8.5 | 22.3 | 6 30 | 16 45.82 | -3 59.8 | 1.563 | 2.479 | 12.9 | 19.7 |
| 7 10 | 16 40.05 | -11 21.2 | 2.474 | 3.325 | 11.1 | 22.5 | 7 10 | 16 40.12 | -4 32.8 | 1.609 | 2.460 | 16.1 | 19.9 |
| 137258 | 1999 <i>RP</i> ₉₅ | | 6 7.8 289°78 | 5°8/ 6.5 | 18 | | 148104 | 1999 <i>RX</i> ₆₈ | | 6 7.8 321°01 | 2°9/ 7.3 | 18 | |
| 5 1 | 17 30.55 | -11 51.5 | 1.505 | 2.345 | 17.1 | 20.1 | 5 1 | 17 26.81 | -16 3.7 | 1.777 | 2.617 | 14.8 | 19.6 |
| 5 11 | 17 27.06 | -11 8.5 | 1.409 | 2.321 | 13.8 | 19.9 | 5 11 | 17 23.76 | -15 52.0 | 1.675 | 2.591 | 11.8 | 19.3 |
| 5 21 | 17 20.67 | -10 29.7 | 1.333 | 2.297 | 10.1 | 19.6 | 5 21 | 17 18.27 | -15 43.0 | 1.594 | 2.564 | 8.1 | 19.0 |
| 5 31 | 17 11.95 | -9 59.0 | 1.279 | 2.273 | 6.7 | 19.3 | 5 31 | 17 10.82 | -15 38.2 | 1.536 | 2.539 | 4.4 | 18.7 |
| 6 10 | 17 1.92 | -9 40.4 | 1.249 | 2.249 | 6.1 | 19.2 | 6 10 | 17 2.29 | -15 39.0 | 1.504 | 2.513 | 3.1 | 18.6 |
| 6 20 | 16 51.82 | -9 36.7 | 1.244 | 2.225 | 9.2 | 19.3 | 6 20 | 16 53.70 | -15 46.4 | 1.497 | 2.489 | 6.6 | 18.8 |
| 6 30 | 16 43.00 | -9 49.3 | 1.262 | 2.201 | 13.4 | 19.5 | 6 30 | 16 46.18 | -16 1.3 | 1.515 | 2.465 | 10.8 | 18.9 |
| 7 10 | 16 36.58 | -10 17.7 | 1.300 | 2.177 | 17.6 | 19.7 | 7 10 | 16 40.67 | -16 23.9 | 1.555 | 2.442 | 14.6 | 19.1 |
| 299777 | 2006 <i>SN</i> ₆₃ | | 6 7.8 240°02 | 0.2°/ 7.8 | 16 | | 512791 | 2016 <i>UO</i> ₇₆ | | 6 7.8 273°17 | 4°6/ 6.5 | 18 | |
| 5 1 | 17 30.26 | -23 55.8 | 2.295 | 3.114 | 12.6 | 22.3 | 5 1 | 17 27.10 | -9 42.5 | 2.381 | 3.196 | 12.3 | 21.4 |
| 5 11 | 17 25.74 | -23 51.8 | 2.202 | 3.107 | 9.8 | 22.1 | 5 11 | 17 23.07 | -9 8.5 | 2.293 | 3.188 | 9.9 | 21.3 |
| 5 21 | 17 19.16 | -23 44.9 | 2.131 | 3.100 | 6.6 | 21.9 | 5 21 | 17 17.28 | -8 39.4 | 2.227 | 3.181 | 7.3 | 21.1 |
| 5 31 | 17 11.06 | -23 34.6 | 2.087 | 3.092 | 3.0 | 21.7 | 5 31 | 17 10.19 | -8 17.7 | 2.187 | 3.173 | 5.2 | 20.9 |
| 6 10 | 17 2.23 | -23 21.2 | 2.070 | 3.085 | 0.9 | 21.5 | 6 10 | 17 2.51 | -8 5.4 | 2.174 | 3.165 | 4.8 | 20.9 |
| 6 20 | 16 53.55 | -23 5.6 | 2.081 | 3.077 | 4.6 | 21.7 | 6 20 | 16 54.95 | -8 3.8 | 2.188 | 3.157 | 6.6 | 21.0 |
| 6 30 | 16 45.89 | -22 49.7 | 2.119 | 3.069 | 8.2 | 21.9 | 6 30 | 16 48.25 | -8 13.2 | 2.228 | 3.150 | 9.3 | 21.1 |
| 7 10 | 16 39.96 | -22 35.5 | 2.182 | 3.060 | 11.4 | 22.1 | 7 10 | 16 43.03 | -8 33.2 | 2.291 | 3.142 | 11.9 | 21.3 |
| 159786 | 2003 <i>NL</i> ₈ | | 6 7.8 310°98 | 7°6/ 4.9 | 17 | | 427250 | 2014 <i>WP</i> ₇₆ | | 6 7.8 103°35 | 0°9/ 7.6 | 16 | |
| 5 1 | 17 27.11 | -9 57.4 | 1.579 | 2.419 | 16.4 | 19.9 | 5 1 | 17 34.97 | -20 39.8 | 1.674 | 2.503 | 16.1 | 22.3 |
| 5 11 | 17 24.19 | -8 32.1 | 1.482 | 2.390 | 13.4 | 19.6 | 5 11 | 17 29.83 | -20 39.6 | 1.607 | 2.518 | 12.5 | 22.1 |
| 5 21 | 17 18.63 | -7 8.0 | 1.405 | 2.362 | 10.3 | 19.4 | 5 21 | 17 22.04 | -20 39.0 | 1.562 | 2.533 | 8.3 | 21.9 |
| 5 31 | 17 11.00 | -5 51.3 | 1.351 | 2.334 | 8.0 | 19.2 | 5 31 | 17 12.35 | -20 37.8 | 1.541 | 2.547 | 3.7 | 21.6 |
| 6 10 | 17 2.21 | -4 48.4 | 1.321 | 2.307 | 8.0 | 19.1 | 6 10 | 17 1.91 | -20 35.9 | 1.547 | 2.561 | 1.4 | 21.5 |
| 6 20 | 16 53.41 | -4 4.6 | 1.315 | 2.280 | 10.6 | 19.2 | 6 20 | 16 51.90 | -20 34.4 | 1.579 | 2.575 | 5.8 | 21.8 |
| 6 30 | 16 45.79 | -3 43.4 | 1.332 | 2.253 | 14.3 | 19.3 | 6 30 | 16 43.44 | -20 34.6 | 1.637 | 2.588 | 10.0 | 22.1 |
| 7 10 | 16 40.33 | -3 45.0 | 1.368 | 2.227 | 17.9 | 19.5 | 7 10 | 16 37.34 | -20 38.3 | 1.717 | 2.601 | 13.7 | 22.3 |
| 286090 | 2001 <i>TY</i> ₂₇ | | 6 7.8 189°35 | 0°0/ 7.7 | 16 | | 443211 | 2014 <i>DD</i> ₈₅ | | 6 7.8 156°14 | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|-------------|-------|---------|------|---------------|-------------------------------|-----------------|-------------|-------|---------|------|
| 171014 | 2005 <i>EZ</i> ₃₇ | 6 7.8 86°79 | 0°6/ 7.9 18 | | | | 317730 | 2003 <i>RP</i> | 6 7.8 257°34 | 1°5/ 8.0 17 | | | |
| 5 1 | 17 36.37 | -25 14.8 | 1.521 | 2.353 | 17.3 | 20.1 | 5 1 | 17 35.00 | -26 20.4 | 1.685 | 2.513 | 16.1 | 21.5 |
| 5 11 | 17 31.13 | -25 8.3 | 1.461 | 2.373 | 13.4 | 19.9 | 5 11 | 17 30.47 | -26 29.2 | 1.588 | 2.496 | 12.7 | 21.2 |
| 5 21 | 17 22.96 | -24 56.7 | 1.422 | 2.392 | 8.9 | 19.7 | 5 21 | 17 22.93 | -26 33.4 | 1.511 | 2.479 | 8.7 | 21.0 |
| 5 31 | 17 12.76 | -24 39.0 | 1.406 | 2.412 | 4.1 | 19.4 | 5 31 | 17 12.98 | -26 30.9 | 1.458 | 2.462 | 4.2 | 20.7 |
| 6 10 | 17 1.81 | -24 15.8 | 1.416 | 2.430 | 1.2 | 19.3 | 6 10 | 17 1.73 | -26 20.5 | 1.431 | 2.444 | 1.8 | 20.4 |
| 6 20 | 16 51.49 | -23 49.2 | 1.452 | 2.449 | 6.0 | 19.6 | 6 20 | 16 50.51 | -26 2.8 | 1.430 | 2.426 | 6.2 | 20.7 |
| 6 30 | 16 42.99 | -23 22.7 | 1.513 | 2.467 | 10.4 | 19.9 | 6 30 | 16 40.71 | -25 40.8 | 1.454 | 2.407 | 10.8 | 20.9 |
| 7 10 | 16 37.14 | -22 59.8 | 1.597 | 2.485 | 14.2 | 20.2 | 7 10 | 16 33.44 | -25 18.3 | 1.501 | 2.388 | 15.0 | 21.1 |
| 139872 | 2001 <i>RL</i> ₇₇ | 6 7.8 259°74 | 2°2/ 8.1 18 | | | | 498365 | 2007 <i>VT</i> ₃₂₄ | 6 7.8 277°77 | 2°5/ 7.4 17 | | | |
| 5 1 | 17 33.03 | -28 19.0 | 2.541 | 3.345 | 12.0 | 20.1 | 5 1 | 17 32.89 | -17 51.0 | 1.533 | 2.372 | 16.8 | 21.3 |
| 5 11 | 17 27.98 | -28 51.5 | 2.430 | 3.324 | 9.5 | 19.9 | 5 11 | 17 28.98 | -17 38.2 | 1.435 | 2.350 | 13.4 | 21.0 |
| 5 21 | 17 20.77 | -29 21.1 | 2.342 | 3.302 | 6.6 | 19.6 | 5 21 | 17 22.04 | -17 26.8 | 1.356 | 2.328 | 9.2 | 20.7 |
| 5 31 | 17 11.87 | -29 45.5 | 2.281 | 3.280 | 3.6 | 19.4 | 5 31 | 17 12.64 | -17 17.6 | 1.301 | 2.305 | 4.6 | 20.4 |
| 6 10 | 17 2.01 | -30 2.8 | 2.248 | 3.257 | 2.3 | 19.3 | 6 10 | 17 1.82 | -17 12.0 | 1.271 | 2.282 | 2.8 | 20.2 |
| 6 20 | 16 52.09 | -30 12.4 | 2.244 | 3.234 | 4.8 | 19.4 | 6 20 | 16 50.92 | -17 11.1 | 1.265 | 2.259 | 7.2 | 20.4 |
| 6 30 | 16 43.04 | -30 15.1 | 2.268 | 3.211 | 8.0 | 19.6 | 6 30 | 16 41.37 | -17 16.6 | 1.285 | 2.236 | 12.2 | 20.6 |
| 7 10 | 16 35.66 | -30 13.1 | 2.316 | 3.187 | 11.1 | 19.7 | 7 10 | 16 34.32 | -17 29.8 | 1.325 | 2.212 | 16.7 | 20.8 |
| 310667 | 2002 <i>EV</i> ₁₃₅ | 6 7.8 114°20 | 3°0/ 7.1 17 | | | | 214430 | 2005 <i>QJ</i> ₅₄ | 6 7.8 271°94 | 5°6/ 6.0 18 | | | |
| 5 1 | 17 35.27 | -17 1.4 | 1.629 | 2.459 | 16.4 | 21.4 | 5 1 | 17 27.53 | -7 33.1 | 2.317 | 3.129 | 12.7 | 21.0 |
| 5 11 | 17 29.99 | -16 30.0 | 1.564 | 2.474 | 12.8 | 21.2 | 5 11 | 17 23.50 | -6 48.7 | 2.225 | 3.115 | 10.4 | 20.8 |
| 5 21 | 17 22.10 | -15 59.8 | 1.521 | 2.489 | 8.7 | 21.0 | 5 21 | 17 17.63 | -6 10.0 | 2.155 | 3.101 | 8.0 | 20.6 |
| 5 31 | 17 12.36 | -15 32.7 | 1.502 | 2.504 | 4.6 | 20.8 | 5 31 | 17 10.40 | -5 40.2 | 2.110 | 3.087 | 6.0 | 20.4 |
| 6 10 | 17 1.93 | -15 10.7 | 1.509 | 2.518 | 3.3 | 20.7 | 6 10 | 17 2.51 | -5 21.9 | 2.091 | 3.073 | 5.8 | 20.4 |
| 6 20 | 16 51.97 | -14 55.7 | 1.542 | 2.531 | 6.8 | 21.0 | 6 20 | 16 54.71 | -5 16.8 | 2.099 | 3.059 | 7.5 | 20.5 |
| 6 30 | 16 43.60 | -14 49.2 | 1.601 | 2.544 | 10.8 | 21.2 | 6 30 | 16 47.76 | -5 25.5 | 2.132 | 3.045 | 10.1 | 20.6 |
| 7 10 | 16 37.57 | -14 51.9 | 1.682 | 2.557 | 14.3 | 21.5 | 7 10 | 16 42.33 | -5 47.2 | 2.188 | 3.030 | 12.7 | 20.8 |
| 430760 | 2004 <i>RF</i> ₆₆ | 6 7.8 262°24 | 8°2/ 4.9 18 | | | | 156264 | 2001 <i>VT</i> ₂₇ | 6 7.8 195°88 | 0°7/ 7.6 18 | | | |
| 5 1 | 17 29.73 | -3 24.0 | 2.009 | 2.814 | 14.6 | 20.9 | 5 1 | 17 32.70 | -21 47.8 | 1.995 | 2.819 | 14.1 | 20.5 |
| 5 11 | 17 25.51 | -2 13.5 | 1.917 | 2.796 | 12.3 | 20.7 | 5 11 | 17 27.85 | -21 33.9 | 1.910 | 2.817 | 11.0 | 20.2 |
| 5 21 | 17 19.13 | -1 10.7 | 1.846 | 2.778 | 10.0 | 20.5 | 5 21 | 17 20.68 | -21 17.7 | 1.846 | 2.815 | 7.3 | 20.0 |
| 5 31 | 17 11.11 | 0 21.0 | 1.800 | 2.759 | 8.4 | 20.4 | 5 31 | 17 11.79 | -20 59.5 | 1.807 | 2.813 | 3.3 | 19.8 |
| 6 10 | 17 2.25 | + 0 11.2 | 1.778 | 2.740 | 8.4 | 20.3 | 6 10 | 17 2.12 | -20 39.9 | 1.796 | 2.810 | 1.3 | 19.6 |
| 6 20 | 16 53.45 | + 0 23.1 | 1.782 | 2.721 | 10.1 | 20.4 | 6 20 | 16 52.67 | -20 20.5 | 1.812 | 2.807 | 5.3 | 19.9 |
| 6 30 | 16 45.63 | + 0 14.0 | 1.809 | 2.701 | 12.7 | 20.5 | 6 30 | 16 44.44 | -20 3.5 | 1.855 | 2.803 | 9.2 | 20.1 |
| 7 10 | 16 39.57 | -0 14.6 | 1.857 | 2.681 | 15.4 | 20.6 | 7 10 | 16 38.20 | -19 50.7 | 1.921 | 2.799 | 12.7 | 20.3 |
| 312046 | 2007 <i>RO</i> ₂₃₉ | 6 7.8 287°57 | 2°5/ 7.6 17 | | | | 367143 | 2006 <i>TD</i> ₁₀₂ | 6 7.8 151°43 | 0°0/ 7.7 17 | | | |
| 5 1 | 17 32.68 | -16 41.6 | 1.407 | 2.251 | 17.8 | 20.3 | 5 1 | 17 34.79 | -23 42.8 | 1.932 | 2.752 | 14.6 | 22.0 |
| 5 11 | 17 29.06 | -16 46.5 | 1.314 | 2.232 | 14.1 | 20.0 | 5 11 | 17 29.49 | -23 36.8 | 1.854 | 2.759 | 11.4 | 21.8 |
| 5 21 | 17 22.22 | -16 56.4 | 1.240 | 2.213 | 9.7 | 19.7 | 5 21 | 17 21.75 | -23 27.5 | 1.798 | 2.766 | 7.6 | 21.6 |
| 5 31 | 17 12.75 | -17 11.8 | 1.189 | 2.194 | 4.9 | 19.4 | 5 31 | 17 12.25 | -23 14.4 | 1.767 | 2.772 | 3.4 | 21.4 |
| 6 10 | 17 1.75 | -17 32.9 | 1.162 | 2.175 | 2.8 | 19.2 | 6 10 | 17 2.00 | -22 57.7 | 1.763 | 2.778 | 1.0 | 21.2 |
| 6 20 | 16 50.66 | -17 59.5 | 1.160 | 2.156 | 7.5 | 19.4 | 6 20 | 16 52.08 | -22 38.9 | 1.788 | 2.783 | 5.2 | 21.5 |
| 6 30 | 16 41.03 | -18 31.4 | 1.182 | 2.137 | 12.6 | 19.7 | 6 30 | 16 43.51 | -22 20.3 | 1.838 | 2.788 | 9.2 | 21.8 |
| 7 10 | 16 34.09 | -19 8.8 | 1.224 | 2.118 | 17.3 | 19.9 | 7 10 | 16 37.08 | -22 4.4 | 1.913 | 2.792 | 12.7 | 22.0 |
| 129402 | 4093 <i>T</i> ₋₂ | 6 7.8 147°81 | 0°6/ 7.9 18 | | | | 214954 | 2007 <i>WO</i> ₅₈ | 6 7.8 59°69 | 0°3/ 7.9 17 | | | |
| 5 1 | 17 34.38 | -24 25.2 | 1.968 | 2.788 | 14.4 | 20.0 | 5 1 | 17 33.42 | -25 22.5 | 1.432 | 2.273 | 17.7 | 20.3 |
| 5 11 | 17 29.17 | -24 31.0 | 1.890 | 2.795 | 11.2 | 19.8 | 5 11 | 17 29.25 | -25 4.1 | 1.361 | 2.278 | 13.8 | 20.0 |
| 5 21 | 17 21.54 | -24 33.7 | 1.834 | 2.801 | 7.5 | 19.6 | 5 21 | 17 21.98 | -24 39.3 | 1.310 | 2.283 | 9.3 | 19.8 |
| 5 31 | 17 12.15 | -24 32.3 | 1.803 | 2.808 | 3.4 | 19.4 | 5 31 | 17 12.45 | -24 7.6 | 1.282 | 2.288 | 4.2 | 19.5 |
| 6 10 | 17 1.99 | -24 26.3 | 1.799 | 2.813 | 1.1 | 19.2 | 6 10 | 17 1.96 | -23 30.5 | 1.278 | 2.293 | 1.2 | 19.3 |
| 6 20 | 16 52.13 | -24 16.7 | 1.823 | 2.819 | 5.1 | 19.5 | 6 20 | 16 51.94 | -22 50.8 | 1.300 | 2.298 | 6.4 | 19.7 |
| 6 30 | 16 43.59 | -24 5.3 | 1.874 | 2.824 | 9.0 | 19.7 | 6 30 | 16 43.72 | -22 12.7 | 1.347 | 2.304 | 11.2 | 20.0 |
| 7 10 | 16 37.16 | -23 54.8 | 1.948 | 2.828 | 12.4 | 19.9 | 7 10 | 16 38.21 | -21 40.4 | 1.414 | 2.309 | 15.3 | 20.2 |
| 276041 | 2002 <i>AV</i> ₁₆₂ | 6 7.8 117°96 | 2°8/ 7.2 17 | | | | 37838 | 1998 <i>DF</i> | 6 7.8 182°08 | 2°5/ 7.3 18 | | | |
| 5 1 | 17 32.78 | -15 30.0 | 2.074 | 2.892 | 13.8 | 21.4 | 5 1 | 17 34.44 | -17 5.9 | 1.753 | 2.580 | 15.6 | 18.8 |
| 5 11 | 17 27.54 | -15 9.4 | 2.006 | 2.908 | 10.8 | 21.2 | 5 11 | 17 29.45 | -16 52.1 | 1.672 | 2.580 | 12.2 | 18.6 |
| 5 21 | 17 20.23 | -14 51.3 | 1.960 | 2.924 | 7.4 | 21.0 | 5 21 | 17 21.87 | -16 40.0 | 1.613 | 2.581 | 8.3 | 18.4 |
| 5 31 | 17 11.49 | -14 36.9 | 1.939 | 2.939 | 4.0 | 20.8 | 5 31 | 17 12.37 | -16 30.7 | 1.578 | 2.581 | 4.3 | 18.1 |
| 6 10 | 17 2.20 | -14 27.4 | 1.947 | 2.954 | 3.1 | 20.8 | 6 10 | 17 1.98 | -16 25.2 | 1.570 | 2.580 | 2.8 | 18.0 |
| 6 20 | 16 53.25 | -14 24.0 | 1.982 | 2.968 | 5.8 | 21.0 | 6 20 | 16 51.83 | -16 24.5 | 1.588 | 2.579 | 6.4 | 18.3 |
| 6 30 | 16 45.50 | -14 27.2 | 2.043 | 2.982 | 9.1 | 21.2 | 6 30 | 16 43.05 | -16 29.7 | 1.632 | 2.577 | 10.5 | 18.5 |
| 7 10 | 16 39.59 | -14 37.4 | 2.129 | 2.995 | 12.1 | 21.5 | 7 10 | 16 36.49 | -16 41.6 | 1.699 | 2.575 | 14.2 | 18.7 |
| 497442 | 2005 <i>YQ</i> ₁₄ | 6 7.8 215°38 | 2°7/ 7.3 18 | | | | 122905 | 2000 <i>SU</i> ₁₆₅ | 6 7.8 182°13 | 0°3/ 7.7 18 | | | |
| 5 1 | 17 32.36 | -15 0.6 | 2.206 | 3.021 | 13.2 | 21.7 | 5 1 | 17 32.79 | -23 48.4 | 2.091 | 2.911 | 13.6 | 20.2 |
| 5 11 | 17 27.37 | -14 52.7 | 2.113 | 3.014 | 10.4 | 21.5 | 5 11 | 17 27.79 | -23 23.5 | 2.006 | 2.911 | 10.6 | 20.0 |
| 5 21 | 17 20.27 | -14 47.9 | 2.043 | 3.006 | 7.2 | 21.3 | 5 21 | 17 20.55 | -22 54.2 | 1.943 | 2.911 | 7.1 | 19.8 |
| 5 31 | 17 11.60 | -14 47.0 | 1.998 | 2.998 | 3.9 | 21.1 | 5 31 | 17 11.71 | -22 20.8 | 1.906 | 2.911 | 3.2 | 19.5 |
| 6 10 | 17 2.14 | -14 50.9 | 1.982 | 2.989 | 2.9 | 21.0 | 6 10 | 17 2.18 | -21 44.5 | 1.896 | 2.911 | 1.0 | 19.4 |
| 6 20 | 16 52.79 | -15 0.2 | 1.993 | 2.980 | 5.7 | 21.1 | 6 20 | 16 52.92 | -21 7.4 | 1.915 | 2.910 | 5.0 | 19.7 |
| 6 30 | 16 44.45 | -15 15.1 | 2.031 | 2.970 | 9.1 | 21.3 | 6 30 | 16 44.87 | -20 32.4 | 1.960 | 2.908 | 8.8 | 19.9 |
| 7 10 | 16 37.83 | -15 35.9 | 2.094 | 2.960 | 12.3 | 21.5 | 7 10 | 16 38.76 | -20 2.3 | 2.030 | 2.907 | 12.2 | 20.1 |
| 181851 | 1998 <i>UX</i> ₄₈ | 6 7.8 267°22 | 2°5/ 8.0 18 | | | | 16437 | 1988 <i>XX</i> ₁ | 6 7.8 262°88 | | | | |

EPHEMERIDES

6 7.8

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|---------------|-------|---------|------|---------------|------------------------|-----------------|---------------|-------|---------|------|
| 267145 | 2000 FG ₁₅ | | 6 7.8 111°11' | 20°2' | 4.5 | 18 | 409376 | 2005 CY ₁₇ | | 6 7.8 174°08' | 1°6' | 8.2 | 17 |
| 5 1 | 17 33.53 | +16 19.9 | 1.260 | 2.020 | 23.9 | 20.0 | 5 1 | 17 36.33 | -27 41.7 | 1.741 | 2.563 | 15.9 | 21.8 |
| 5 11 | 17 29.32 | +18 34.2 | 1.220 | 2.027 | 22.3 | 19.9 | 5 11 | 17 31.13 | -27 40.5 | 1.661 | 2.565 | 12.5 | 21.6 |
| 5 21 | 17 22.01 | +20 15.8 | 1.195 | 2.033 | 21.0 | 19.9 | 5 21 | 17 23.09 | -27 32.6 | 1.601 | 2.567 | 8.5 | 21.4 |
| 5 31 | 17 12.46 | +21 12.9 | 1.186 | 2.039 | 20.3 | 19.8 | 5 31 | 17 12.95 | -27 16.2 | 1.565 | 2.568 | 4.2 | 21.1 |
| 6 10 | 17 1.99 | +21 18.7 | 1.193 | 2.045 | 20.3 | 19.8 | 6 10 | 17 1.88 | -26 51.2 | 1.556 | 2.569 | 1.8 | 20.9 |
| 6 20 | 16 52.04 | +20 32.6 | 1.215 | 2.051 | 21.1 | 19.9 | 6 20 | 16 51.15 | -26 19.2 | 1.574 | 2.569 | 5.8 | 21.2 |
| 6 30 | 16 43.93 | +18 59.7 | 1.253 | 2.057 | 22.4 | 20.0 | 6 30 | 16 41.99 | -25 44.0 | 1.617 | 2.569 | 10.0 | 21.4 |
| 7 10 | 16 38.55 | +16 50.4 | 1.305 | 2.062 | 23.9 | 20.2 | 7 10 | 16 35.30 | -25 9.8 | 1.684 | 2.568 | 13.8 | 21.7 |
| 175614 | 2006 VC ₁₄₄ | | 6 7.8 281°08' | 3°2' | 8.8 | 18 | 257353 | 2009 KL ₁₅ | | 6 7.8 112°10' | 4°0' | 7.3 | 17 |
| 5 1 | 17 31.64 | -32 52.0 | 2.170 | 2.979 | 13.6 | 20.1 | 5 1 | 17 32.97 | -13 27.8 | 1.554 | 2.388 | 16.9 | 20.3 |
| 5 11 | 17 27.17 | -32 54.3 | 2.074 | 2.968 | 10.9 | 19.9 | 5 11 | 17 28.54 | -13 13.8 | 1.482 | 2.392 | 13.3 | 20.1 |
| 5 21 | 17 20.31 | -32 47.6 | 2.000 | 2.956 | 7.8 | 19.7 | 5 21 | 17 21.38 | -13 5.6 | 1.429 | 2.396 | 9.3 | 19.9 |
| 5 31 | 17 11.67 | -32 29.7 | 1.951 | 2.945 | 4.7 | 19.5 | 5 31 | 17 12.20 | -13 5.0 | 1.400 | 2.399 | 5.4 | 19.7 |
| 6 10 | 17 2.20 | -32 0.1 | 1.928 | 2.934 | 3.2 | 19.4 | 6 10 | 17 2.10 | -13 13.4 | 1.397 | 2.403 | 4.3 | 19.6 |
| 6 20 | 16 52.91 | -31 19.9 | 1.932 | 2.923 | 5.5 | 19.5 | 6 20 | 16 52.29 | -13 31.1 | 1.419 | 2.406 | 7.4 | 19.8 |
| 6 30 | 16 44.85 | -30 32.5 | 1.963 | 2.912 | 8.8 | 19.7 | 6 30 | 16 43.97 | -13 58.0 | 1.465 | 2.409 | 11.5 | 20.0 |
| 7 10 | 16 38.80 | -29 42.3 | 2.018 | 2.901 | 12.0 | 19.9 | 7 10 | 16 38.02 | -14 33.1 | 1.533 | 2.413 | 15.2 | 20.3 |
| 504158 | 2006 ST ₂₉₀ | | 6 7.8 244°86' | 1°5' | 7.4 | 17 | 482467 | 2012 LK ₉ | | 6 7.8 314°32' | 2°4' | 7.8 | 17 |
| 5 1 | 17 33.63 | -20 27.9 | 1.896 | 2.720 | 14.7 | 22.9 | 5 1 | 17 41.63 | -25 17.4 | 1.657 | 2.474 | 16.8 | 21.9 |
| 5 11 | 17 28.86 | -20 4.4 | 1.797 | 2.705 | 11.5 | 22.6 | 5 11 | 17 37.04 | -25 57.9 | 1.503 | 2.405 | 13.7 | 21.5 |
| 5 21 | 17 21.56 | -19 38.6 | 1.720 | 2.689 | 7.8 | 22.4 | 5 21 | 17 28.58 | -26 41.7 | 1.369 | 2.334 | 9.8 | 21.1 |
| 5 31 | 17 12.29 | -19 11.2 | 1.668 | 2.672 | 3.7 | 22.1 | 5 31 | 17 16.25 | -27 25.4 | 1.258 | 2.261 | 5.1 | 20.6 |
| 6 10 | 17 2.02 | -18 43.5 | 1.642 | 2.655 | 1.9 | 21.9 | 6 10 | 17 0.69 | -28 3.9 | 1.174 | 2.186 | 2.7 | 20.2 |
| 6 20 | 16 51.82 | -18 17.6 | 1.645 | 2.638 | 6.0 | 22.2 | 6 20 | 16 43.25 | -28 32.6 | 1.117 | 2.110 | 8.0 | 20.3 |
| 6 30 | 16 42.83 | -17 55.9 | 1.673 | 2.619 | 10.2 | 22.4 | 6 30 | 16 26.00 | -28 49.4 | 1.086 | 2.032 | 14.4 | 20.4 |
| 7 10 | 16 35.94 | -17 40.7 | 1.724 | 2.601 | 14.0 | 22.6 | 7 10 | 16 11.06 | -28 57.4 | 1.076 | 1.952 | 20.5 | 20.5 |
| 94964 | 2001 YU ₁₀₄ | | 6 7.8 264°31' | 1°0' | 7.6 | 18 | 432887 | 2011 LJ ₁₁ | | 6 7.8 57°35' | 14°4' | 4.3 | 17 |
| 5 1 | 17 34.31 | -21 31.8 | 1.578 | 2.413 | 16.6 | 20.4 | 5 1 | 17 28.78 | +13 48.3 | 1.869 | 2.613 | 17.7 | 20.4 |
| 5 11 | 17 30.04 | -21 18.2 | 1.480 | 2.394 | 13.1 | 20.1 | 5 11 | 17 24.72 | +15 24.0 | 1.820 | 2.619 | 16.3 | 20.3 |
| 5 21 | 17 22.72 | -21 2.1 | 1.402 | 2.374 | 8.9 | 19.8 | 5 21 | 17 18.52 | +16 37.2 | 1.788 | 2.625 | 15.1 | 20.2 |
| 5 31 | 17 12.94 | -20 43.5 | 1.347 | 2.353 | 4.1 | 19.5 | 5 31 | 17 10.82 | +17 20.8 | 1.776 | 2.631 | 14.5 | 20.2 |
| 6 10 | 17 1.81 | -20 23.1 | 1.318 | 2.332 | 1.6 | 19.2 | 6 10 | 17 2.51 | +17 30.4 | 1.783 | 2.638 | 14.5 | 20.2 |
| 6 20 | 16 50.66 | -20 2.6 | 1.315 | 2.311 | 6.7 | 19.5 | 6 20 | 16 54.51 | +17 5.4 | 1.810 | 2.645 | 15.2 | 20.2 |
| 6 30 | 16 40.92 | -19 45.0 | 1.336 | 2.289 | 11.7 | 19.7 | 6 30 | 16 47.72 | +16 8.2 | 1.856 | 2.651 | 16.4 | 20.3 |
| 7 10 | 16 33.72 | -19 33.1 | 1.379 | 2.267 | 16.1 | 19.9 | 7 10 | 16 42.79 | +14 44.6 | 1.919 | 2.658 | 17.8 | 20.5 |
| 164468 | 2006 DS ₁₉₇ | | 6 7.8 30°90' | 3°3' | 8.6 | 18 | 383343 | 2006 QY ₉₆ | | 6 7.8 305°42' | 8°9' | 7.9 | 17 |
| 5 1 | 17 32.39 | -30 42.3 | 1.112 | 1.968 | 20.7 | 19.4 | 5 1 | 17 34.74 | -37 19.1 | 1.387 | 2.211 | 19.1 | 20.4 |
| 5 11 | 17 29.30 | -30 40.2 | 1.055 | 1.977 | 16.4 | 19.2 | 5 11 | 17 31.89 | -38 42.6 | 1.288 | 2.182 | 16.1 | 20.1 |
| 5 21 | 17 22.41 | -30 25.3 | 1.015 | 1.987 | 11.4 | 18.9 | 5 21 | 17 24.96 | -39 59.4 | 1.207 | 2.153 | 12.8 | 19.8 |
| 5 31 | 17 12.72 | -29 55.2 | 0.995 | 1.997 | 6.1 | 18.7 | 5 31 | 17 14.36 | -41 0.3 | 1.147 | 2.124 | 9.9 | 19.6 |
| 6 10 | 17 1.95 | -29 10.3 | 0.997 | 2.009 | 3.4 | 18.5 | 6 10 | 17 1.36 | -41 36.9 | 1.109 | 2.096 | 9.0 | 19.4 |
| 6 20 | 16 51.91 | -28 14.7 | 1.022 | 2.021 | 7.5 | 18.8 | 6 20 | 16 47.91 | -41 44.0 | 1.094 | 2.068 | 11.1 | 19.5 |
| 6 30 | 16 44.22 | -27 15.2 | 1.069 | 2.034 | 12.5 | 19.1 | 6 30 | 16 36.26 | -41 23.1 | 1.100 | 2.040 | 14.9 | 19.6 |
| 7 10 | 16 39.87 | -26 19.3 | 1.136 | 2.048 | 17.0 | 19.4 | 7 10 | 16 28.22 | -40 42.2 | 1.126 | 2.013 | 19.0 | 19.7 |
| 38089 | 1999 JV ₁ | | 6 7.8 284°12' | 4°2' | 7.8 | 18 | 493609 | 2015 NH ₈ | | 6 7.8 274°42' | 1°0' | 8.1 | 18 |
| 5 1 | 17 35.88 | -29 17.5 | 1.775 | 2.594 | 15.7 | 18.0 | 5 1 | 17 29.63 | -27 26.9 | 2.364 | 3.180 | 12.4 | 21.0 |
| 5 11 | 17 31.39 | -30 24.4 | 1.672 | 2.573 | 12.7 | 17.7 | 5 11 | 17 25.23 | -27 10.6 | 2.272 | 3.174 | 9.7 | 20.8 |
| 5 21 | 17 23.77 | -31 30.3 | 1.591 | 2.551 | 9.1 | 17.5 | 5 21 | 17 18.82 | -26 48.4 | 2.202 | 3.168 | 6.6 | 20.6 |
| 5 31 | 17 13.51 | -32 30.0 | 1.534 | 2.529 | 5.6 | 17.2 | 5 31 | 17 10.97 | -26 19.8 | 2.158 | 3.161 | 3.1 | 20.4 |
| 6 10 | 17 1.63 | -33 18.8 | 1.503 | 2.508 | 4.3 | 17.1 | 6 10 | 17 2.46 | -25 45.6 | 2.141 | 3.155 | 1.2 | 20.2 |
| 6 20 | 16 49.49 | -33 53.4 | 1.498 | 2.486 | 7.2 | 17.2 | 6 20 | 16 54.16 | -25 7.2 | 2.153 | 3.149 | 4.5 | 20.4 |
| 6 30 | 16 38.62 | -34 13.8 | 1.519 | 2.464 | 11.2 | 17.4 | 6 30 | 16 46.90 | -24 27.6 | 2.192 | 3.143 | 7.9 | 20.6 |
| 7 10 | 16 30.28 | -34 23.4 | 1.563 | 2.442 | 15.0 | 17.5 | 7 10 | 16 41.35 | -23 49.7 | 2.256 | 3.136 | 11.0 | 20.8 |
| 293633 | 2007 OT ₃ | | 6 7.8 274°90' | 1°6' | 7.2 | 18 | 501685 | 2014 TV ₅₄ | | 6 7.8 246°07' | 3°3' | 7.1 | 17 |
| 5 1 | 17 31.93 | -20 25.0 | 2.239 | 3.057 | 12.9 | 21.4 | 5 1 | 17 33.32 | -16 5.8 | 1.639 | 2.471 | 16.2 | 21.9 |
| 5 11 | 17 27.25 | -19 51.0 | 2.122 | 3.027 | 10.2 | 21.2 | 5 11 | 17 28.92 | -15 40.7 | 1.549 | 2.460 | 12.8 | 21.7 |
| 5 21 | 17 20.36 | -19 13.7 | 2.029 | 2.996 | 6.9 | 20.9 | 5 21 | 17 21.75 | -15 17.4 | 1.480 | 2.448 | 8.9 | 21.4 |
| 5 31 | 17 11.75 | -18 33.9 | 1.961 | 2.965 | 3.3 | 20.7 | 5 31 | 17 12.44 | -14 57.7 | 1.435 | 2.436 | 4.9 | 21.1 |
| 6 10 | 17 2.18 | -17 53.4 | 1.921 | 2.933 | 2.0 | 20.5 | 6 10 | 17 2.02 | -14 43.6 | 1.415 | 2.424 | 3.6 | 21.0 |
| 6 20 | 16 52.58 | -17 14.4 | 1.910 | 2.901 | 5.5 | 20.7 | 6 20 | 16 51.71 | -14 36.8 | 1.421 | 2.411 | 7.2 | 21.2 |
| 6 30 | 16 43.91 | -16 39.7 | 1.926 | 2.868 | 9.3 | 20.8 | 6 30 | 16 42.75 | -14 39.0 | 1.453 | 2.397 | 11.5 | 21.4 |
| 7 10 | 16 36.97 | -16 11.8 | 1.965 | 2.834 | 12.8 | 21.0 | 7 10 | 16 36.12 | -14 50.6 | 1.505 | 2.384 | 15.5 | 21.6 |
| 499607 | 2010 TV ₁₇₀ | | 6 7.8 285°12' | 2°1' | 7.3 | 17 | 332155 | 2005 YZ ₁₀₈ | | 6 7.8 300°02' | 5°1' | 7.3 | 18 |
| 5 1 | 17 31.70 | -20 16.8 | 1.503 | 2.345 | 16.9 | 21.5 | 5 1 | 17 30.62 | - 9 56.2 | 1.677 | 2.507 | 16.0 | 20.7 |
| 5 11 | 17 28.05 | -19 45.0 | 1.408 | 2.326 | 13.4 | 21.3 | 5 11 | 17 26.71 | - 9 46.8 | 1.590 | 2.495 | 12.9 | 20.5 |
| 5 21 | 17 21.40 | -19 9.9 | 1.333 | 2.307 | 9.1 | 20.9 | 5 21 | 17 20.22 | - 9 46.2 | 1.523 | 2.483 | 9.4 | 20.2 |
| 5 31 | 17 12.35 | -18 33.0 | 1.282 | 2.287 | 4.4 | 20.6 | 5 31 | 17 11.74 | - 9 57.0 | 1.479 | 2.472 | 6.2 | 20.0 |
| 6 10 | 17 2.00 | -17 56.4 | 1.255 | 2.267 | 2.6 | 20.4 | 6 10 | 17 2.22 | -10 20.5 | 1.460 | 2.460 | 5.3 | 19.9 |
| 6 20 | 16 51.71 | -17 23.2 | 1.253 | 2.247 | 7.2 | 20.7 | 6 20 | 16 52.78 | -10 56.8 | 1.467 | 2.449 | 7.9 | 20.0 |
| 6 30 | 16 42.86 | -16 56.9 | 1.275 | 2.228 | 12.1 | 20.9 | 6 30 | 16 44.55 | -11 44.8 | 1.499 | 2.438 | 11.7 | 20.2 |
| 7 10 | 16 36.54 | -16 40.4 | 1.318 | 2.208 | 16.6 | 21.1 | 7 10 | 16 38.46 | -12 42.4 | 1.552 | 2.428 | 15.3 | 20.4 |
| 318673 | 2005 PY ₉ | | 6 7.8 317°67' | 0°0' | 7.6 | 17 | 158157 | 2001 OE ₆₀ | | 6 7.8 31°66' | 1°8' | 7.5 | 17 |
| 5 1 | 17 25.59 | | | | | | | | | | | | |

EPHEMERIDES

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|----------|-------|---------|------|---------------|------------------------|-----------------|----------|-------|---------|------|
| 305365 | 2008 BA ₄₇ | 6 7.8 58°24 | 1.7/ 8.2 | 16 | | | 251396 | 2007 WG ₆₀ | 6 7.8 355°43 | 0°0/ 7.6 | 17 | | |
| 5 1 | 17 30.44 | -28 4.5 | 2.179 | 2.997 | 13.2 | 21.2 | 5 1 | 17 30.28 | -24 24.1 | 1.251 | 2.107 | 18.8 | 20.1 |
| 5 11 | 17 26.00 | -28 8.2 | 2.099 | 3.001 | 10.4 | 21.1 | 5 11 | 17 27.31 | -24 3.8 | 1.179 | 2.105 | 14.8 | 19.8 |
| 5 21 | 17 19.40 | -28 6.5 | 2.040 | 3.005 | 7.1 | 20.9 | 5 21 | 17 21.01 | -23 37.3 | 1.126 | 2.103 | 9.9 | 19.5 |
| 5 31 | 17 11.24 | -27 58.1 | 2.007 | 3.010 | 3.6 | 20.6 | 5 31 | 17 12.17 | -23 4.8 | 1.094 | 2.101 | 4.5 | 19.2 |
| 6 10 | 17 2.41 | -27 42.8 | 2.001 | 3.014 | 1.8 | 20.5 | 6 10 | 17 2.17 | -22 27.7 | 1.086 | 2.100 | 1.3 | 19.0 |
| 6 20 | 16 53.84 | -27 21.9 | 2.023 | 3.018 | 4.8 | 20.7 | 6 20 | 16 52.56 | -21 49.4 | 1.101 | 2.100 | 7.0 | 19.3 |
| 6 30 | 16 46.44 | -26 57.4 | 2.071 | 3.022 | 8.2 | 21.0 | 6 30 | 16 44.83 | -21 14.3 | 1.139 | 2.101 | 12.2 | 19.6 |
| 7 10 | 16 40.91 | -26 32.5 | 2.143 | 3.027 | 11.3 | 21.2 | 7 10 | 16 40.02 | -20 46.5 | 1.197 | 2.102 | 16.8 | 19.9 |
| 429521 | 2011 BB ₆₃ | 6 7.8 33°95 | 8°8/ 6.6 | 17 | | | 139617 | 2001 QS ₁₃₇ | 6 7.8 248°19 | 4°7/ 8.9 | 18 | | |
| 5 1 | 17 29.01 | -3 54.3 | 1.490 | 2.318 | 17.8 | 20.6 | 5 1 | 17 33.38 | -36 29.2 | 2.296 | 3.090 | 13.4 | 19.7 |
| 5 11 | 17 25.36 | -3 0.5 | 1.431 | 2.326 | 14.7 | 20.4 | 5 11 | 17 28.54 | -36 56.7 | 2.204 | 3.083 | 11.0 | 19.5 |
| 5 21 | 17 19.17 | -2 20.0 | 1.392 | 2.335 | 11.7 | 20.3 | 5 21 | 17 21.26 | -37 14.8 | 2.133 | 3.076 | 8.3 | 19.4 |
| 5 31 | 17 11.17 | -1 58.2 | 1.374 | 2.344 | 9.3 | 20.2 | 5 31 | 17 12.16 | -37 20.3 | 2.087 | 3.069 | 5.8 | 19.2 |
| 6 10 | 17 2.43 | -1 58.6 | 1.379 | 2.354 | 9.0 | 20.2 | 6 10 | 17 2.17 | -37 11.1 | 2.067 | 3.061 | 4.7 | 19.1 |
| 6 20 | 16 54.07 | -2 21.8 | 1.407 | 2.364 | 10.8 | 20.3 | 6 20 | 16 52.36 | -36 47.6 | 2.075 | 3.054 | 6.2 | 19.2 |
| 6 30 | 16 47.16 | -3 6.0 | 1.458 | 2.375 | 13.6 | 20.5 | 6 30 | 16 43.78 | -36 12.5 | 2.109 | 3.046 | 8.9 | 19.3 |
| 7 10 | 16 42.48 | -4 7.3 | 1.529 | 2.386 | 16.5 | 20.7 | 7 10 | 16 37.26 | -35 30.0 | 2.167 | 3.039 | 11.7 | 19.5 |
| 326677 | 2002 VX ₁₁₅ | 6 7.8 230°75 | 3°1/ 6.9 | 17 | | | 373478 | 2000 SF ₂₃₅ | 6 7.8 183°58 | 2°8/ 7.0 | 18 | | |
| 5 1 | 17 32.43 | -16 33.9 | 1.874 | 2.700 | 14.7 | 21.4 | 5 1 | 17 31.96 | -15 26.6 | 2.410 | 3.221 | 12.3 | 22.0 |
| 5 11 | 17 27.81 | -15 59.6 | 1.784 | 2.692 | 11.6 | 21.2 | 5 11 | 17 26.80 | -15 0.5 | 2.323 | 3.222 | 9.7 | 21.8 |
| 5 21 | 17 20.78 | -15 25.7 | 1.716 | 2.683 | 8.0 | 21.0 | 5 21 | 17 19.77 | -14 36.0 | 2.259 | 3.222 | 6.7 | 21.6 |
| 5 31 | 17 11.93 | -14 54.0 | 1.673 | 2.673 | 4.4 | 20.7 | 5 31 | 17 11.40 | -14 14.3 | 2.223 | 3.221 | 3.8 | 21.4 |
| 6 10 | 17 2.20 | -14 26.9 | 1.656 | 2.663 | 3.4 | 20.7 | 6 10 | 17 2.42 | -13 56.9 | 2.214 | 3.220 | 3.0 | 21.4 |
| 6 20 | 16 52.63 | -14 6.6 | 1.666 | 2.653 | 6.6 | 20.8 | 6 20 | 16 53.63 | -13 45.1 | 2.234 | 3.218 | 5.4 | 21.5 |
| 6 30 | 16 44.26 | -13 54.8 | 1.702 | 2.642 | 10.4 | 21.0 | 6 30 | 16 45.80 | -13 40.0 | 2.281 | 3.215 | 8.5 | 21.7 |
| 7 10 | 16 37.92 | -13 52.7 | 1.760 | 2.631 | 14.0 | 21.2 | 7 10 | 16 39.56 | -13 42.1 | 2.353 | 3.212 | 11.4 | 21.9 |
| 13445 | 3063 P-L | 6 7.8 59°14 | 1°7/ 8.4 | 18 | | | 384988 | 2012 TU ₁₈₉ | 6 7.8 257°78 | 3°2/ 8.5 | 16 | | |
| 5 1 | 17 29.29 | -29 7.2 | 2.491 | 3.303 | 12.0 | 18.0 | 5 1 | 17 32.88 | -31 7.2 | 2.026 | 2.840 | 14.2 | 21.5 |
| 5 11 | 17 24.85 | -29 3.7 | 2.407 | 3.305 | 9.4 | 17.8 | 5 11 | 17 28.32 | -31 30.2 | 1.937 | 2.834 | 11.4 | 21.3 |
| 5 21 | 17 18.51 | -28 54.3 | 2.345 | 3.307 | 6.4 | 17.6 | 5 21 | 17 21.21 | -31 46.5 | 1.869 | 2.828 | 8.1 | 21.1 |
| 5 31 | 17 10.82 | -28 38.1 | 2.309 | 3.310 | 3.3 | 17.4 | 5 31 | 17 12.17 | -31 53.2 | 1.825 | 2.822 | 4.8 | 20.9 |
| 6 10 | 17 2.55 | -28 15.2 | 2.300 | 3.312 | 1.8 | 17.3 | 6 10 | 17 2.18 | -31 48.9 | 1.809 | 2.816 | 3.3 | 20.8 |
| 6 20 | 16 54.51 | -27 46.8 | 2.320 | 3.314 | 4.3 | 17.5 | 6 20 | 16 52.37 | -31 33.8 | 1.819 | 2.809 | 5.7 | 20.9 |
| 6 30 | 16 47.50 | -27 15.2 | 2.367 | 3.317 | 7.4 | 17.7 | 6 30 | 16 43.84 | -31 10.4 | 1.855 | 2.803 | 9.2 | 21.1 |
| 7 10 | 16 42.13 | -26 43.3 | 2.439 | 3.319 | 10.3 | 17.9 | 7 10 | 16 37.46 | -30 42.5 | 1.914 | 2.797 | 12.5 | 21.3 |
| 179558 | 2002 DD ₉ | 6 7.8 117°99 | 6°2/ 9.4 | 18 | | | 507125 | 2009 UQ ₈ | 6 7.8 295°75 | 1°0/ 7.6 | 17 | | |
| 5 1 | 17 36.73 | -42 28.9 | 2.670 | 3.429 | 12.6 | 20.7 | 5 1 | 17 31.13 | -20 32.3 | 1.562 | 2.404 | 16.5 | 22.0 |
| 5 11 | 17 30.88 | -43 20.8 | 2.596 | 3.442 | 10.6 | 20.5 | 5 11 | 17 27.60 | -20 30.5 | 1.466 | 2.383 | 13.0 | 21.7 |
| 5 21 | 17 22.66 | -44 1.6 | 2.544 | 3.455 | 8.5 | 20.4 | 5 21 | 17 21.13 | -20 28.6 | 1.390 | 2.363 | 8.8 | 21.4 |
| 5 31 | 17 12.72 | -44 27.4 | 2.518 | 3.468 | 6.8 | 20.3 | 5 31 | 17 12.29 | -20 26.4 | 1.337 | 2.343 | 4.1 | 21.0 |
| 6 10 | 17 2.01 | -44 35.6 | 2.517 | 3.481 | 6.2 | 20.3 | 6 10 | 17 2.13 | -20 24.3 | 1.308 | 2.322 | 1.6 | 20.8 |
| 6 20 | 16 51.55 | -44 26.2 | 2.544 | 3.493 | 7.0 | 20.4 | 6 20 | 16 51.94 | -20 23.0 | 1.306 | 2.302 | 6.5 | 21.1 |
| 6 30 | 16 42.38 | -44 1.7 | 2.596 | 3.505 | 8.7 | 20.5 | 6 30 | 16 43.10 | -20 24.2 | 1.327 | 2.283 | 11.4 | 21.3 |
| 7 10 | 16 35.25 | -43 26.2 | 2.673 | 3.516 | 10.6 | 20.6 | 7 10 | 16 36.70 | -20 29.8 | 1.370 | 2.263 | 15.8 | 21.5 |
| 68087 | 2000 YP ₁₀₅ | 6 7.8 257°43 | 6°7/ 8.9 | 18 | | | 120678 | 1997 BB ₄ | 6 7.8 173°35 | 1°6/ 8.2 | 18 | | |
| 5 1 | 17 36.08 | -39 14.6 | 2.003 | 2.793 | 15.2 | 18.1 | 5 1 | 17 32.77 | -27 32.2 | 1.906 | 2.728 | 14.7 | 20.1 |
| 5 11 | 17 31.23 | -40 10.4 | 1.916 | 2.787 | 12.7 | 17.9 | 5 11 | 17 28.17 | -27 35.6 | 1.823 | 2.728 | 11.5 | 19.9 |
| 5 21 | 17 23.39 | -40 55.7 | 1.850 | 2.782 | 10.0 | 17.7 | 5 21 | 17 21.05 | -27 33.2 | 1.762 | 2.729 | 7.9 | 19.7 |
| 5 31 | 17 13.21 | -41 25.0 | 1.808 | 2.777 | 7.6 | 17.5 | 5 31 | 17 12.07 | -27 23.6 | 1.726 | 2.729 | 3.9 | 19.4 |
| 6 10 | 17 1.84 | -41 34.4 | 1.790 | 2.771 | 6.8 | 17.5 | 6 10 | 17 2.24 | -27 6.5 | 1.716 | 2.729 | 1.8 | 19.3 |
| 6 20 | 16 50.62 | -41 23.2 | 1.799 | 2.766 | 8.1 | 17.5 | 6 20 | 16 52.69 | -26 43.2 | 1.734 | 2.730 | 5.3 | 19.5 |
| 6 30 | 16 40.92 | -40 54.1 | 1.832 | 2.760 | 10.6 | 17.7 | 6 30 | 16 44.50 | -26 16.4 | 1.777 | 2.730 | 9.3 | 19.7 |
| 7 10 | 16 33.77 | -40 12.9 | 1.888 | 2.754 | 13.4 | 17.9 | 7 10 | 16 38.47 | -25 49.6 | 1.844 | 2.730 | 12.8 | 20.0 |
| 433774 | 2015 BE ₆₂ | 6 7.8 175°27 | 1°7/ 8.1 | 17 | | | 97218 | 1999 XS ₄₈ | 6 7.8 188°13 | 0°8/ 8.0 | 18 | | |
| 5 1 | 17 35.79 | -27 13.9 | 2.060 | 2.872 | 14.1 | 22.6 | 5 1 | 17 32.76 | -25 48.1 | 2.386 | 3.197 | 12.4 | 20.6 |
| 5 11 | 17 30.32 | -27 27.9 | 1.975 | 2.874 | 11.1 | 22.4 | 5 11 | 17 27.62 | -25 49.1 | 2.297 | 3.196 | 9.7 | 20.4 |
| 5 21 | 17 22.39 | -27 37.3 | 1.913 | 2.876 | 7.6 | 22.1 | 5 21 | 17 20.42 | -25 46.2 | 2.230 | 3.195 | 6.6 | 20.2 |
| 5 31 | 17 12.63 | -27 40.2 | 1.876 | 2.878 | 3.8 | 21.9 | 5 31 | 17 11.73 | -25 38.5 | 2.190 | 3.193 | 3.1 | 19.9 |
| 6 10 | 17 2.03 | -27 35.6 | 1.866 | 2.879 | 1.9 | 21.8 | 6 10 | 17 2.35 | -25 26.0 | 2.177 | 3.191 | 1.1 | 19.8 |
| 6 20 | 16 51.67 | -27 24.1 | 1.885 | 2.879 | 5.2 | 22.0 | 6 20 | 16 53.15 | -25 9.4 | 2.194 | 3.189 | 4.5 | 20.0 |
| 6 30 | 16 42.61 | -27 7.9 | 1.930 | 2.878 | 8.9 | 22.2 | 6 30 | 16 45.02 | -24 50.8 | 2.238 | 3.186 | 7.9 | 20.2 |
| 7 10 | 16 35.66 | -26 50.1 | 2.000 | 2.877 | 12.3 | 22.4 | 7 10 | 16 38.62 | -24 32.4 | 2.307 | 3.182 | 10.9 | 20.4 |
| 417587 | 2006 VF ₄₅ | 6 7.8 170°56 | 0°5/ 7.9 | 17 | | | 411665 | 2011 WL ₆₃ | 6 7.8 91°02 | 0°6/ 7.9 | 17 | | |
| 5 1 | 17 35.29 | -24 48.4 | 2.070 | 2.885 | 13.9 | 22.7 | 5 1 | 17 36.37 | -25 7.4 | 1.481 | 2.315 | 17.6 | 21.4 |
| 5 11 | 17 29.81 | -24 45.5 | 1.987 | 2.889 | 10.9 | 22.5 | 5 11 | 17 31.33 | -25 2.3 | 1.418 | 2.331 | 13.7 | 21.2 |
| 5 21 | 17 21.97 | -24 38.7 | 1.926 | 2.892 | 7.3 | 22.3 | 5 21 | 17 23.26 | -24 52.2 | 1.376 | 2.347 | 9.1 | 21.0 |
| 5 31 | 17 12.42 | -24 27.2 | 1.890 | 2.895 | 3.3 | 22.0 | 5 31 | 17 13.04 | -24 36.0 | 1.357 | 2.363 | 4.2 | 20.7 |
| 6 10 | 17 2.10 | -24 11.1 | 1.883 | 2.897 | 1.0 | 21.8 | 6 10 | 17 2.00 | -24 14.2 | 1.364 | 2.378 | 1.2 | 20.5 |
| 6 20 | 16 52.06 | -23 51.5 | 1.903 | 2.899 | 5.0 | 22.1 | 6 20 | 16 51.54 | -23 48.8 | 1.396 | 2.393 | 6.1 | 20.9 |
| 6 30 | 16 43.30 | -23 30.8 | 1.951 | 2.899 | 8.8 | 22.4 | 6 30 | 16 42.93 | -23 23.3 | 1.453 | 2.408 | 10.7 | 21.2 |
| 7 10 | 16 36.57 | -23 11.7 | 2.023 | 2.900 | 12.2 | 22.6 | 7 10 | 16 37.02 | -23 1.2 | 1.532 | 2.423 | 14.6 | 21.5 |
| 231767 | 1999 VS ₉₈ | 6 7.8 313°78 | 0°0/ 7.6 | 17 | | | 34000 | Martinmatl | 6 7.8 328°50 | 2°2/ 7.2 | 18 | | |
| 5 1 | 17 28.86 | -23 22.4 | 1.560 | 2.405 | | | | | | | | | |

EPHEMERIDES

6 7.8

6 7.8

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|-------------|-------|---------|------|---------------|------------------------|-----------------|--------------|--------|---------|------|
| 294395 | 2007 VQ ₁₆₅ | 6 7.8 232°42 | 1°1/ 7.5 18 | | | | 285345 | 1999 RM ₂₉ | 6 7.8 284°88 | 17°9/30.4 18 | | | |
| 5 1 | 17 30.09 | -21 3.8 | 2.209 | 3.032 | 12.9 | 21.0 | 5 1 | 17 30.60 | +16 38.0 | 1.646 | 2.382 | 20.0 | 19.9 |
| 5 11 | 17 25.64 | -20 39.7 | 2.120 | 3.027 | 10.1 | 20.8 | 5 11 | 17 26.89 | +18 38.1 | 1.571 | 2.358 | 18.9 | 19.7 |
| 5 21 | 17 19.15 | -20 13.5 | 2.053 | 3.022 | 6.7 | 20.6 | 5 21 | 17 20.50 | +20 15.3 | 1.512 | 2.333 | 18.1 | 19.6 |
| 5 31 | 17 11.17 | -19 45.7 | 2.012 | 3.017 | 3.1 | 20.3 | 5 31 | 17 11.98 | +21 19.2 | 1.471 | 2.308 | 17.9 | 19.5 |
| 6 10 | 17 2.51 | -19 17.7 | 1.998 | 3.012 | 1.5 | 20.2 | 6 10 | 17 2.29 | +21 41.7 | 1.447 | 2.283 | 18.3 | 19.4 |
| 6 20 | 16 54.04 | -18 51.3 | 2.013 | 3.006 | 5.0 | 20.4 | 6 20 | 16 52.58 | +21 18.8 | 1.441 | 2.257 | 19.3 | 19.4 |
| 6 30 | 16 46.61 | -18 28.5 | 2.054 | 3.001 | 8.6 | 20.6 | 6 30 | 16 44.06 | +20 11.3 | 1.450 | 2.232 | 20.8 | 19.5 |
| 7 10 | 16 40.92 | -18 11.2 | 2.119 | 2.995 | 11.8 | 20.8 | 7 10 | 16 37.74 | +18 25.2 | 1.474 | 2.206 | 22.6 | 19.5 |
| 304367 | 2006 SR ₃₆₁ | 6 7.8 165°01 | 0°4/ 7.7 17 | | | | 307000 | 2001 WA ₈₆ | 6 7.8 142°46 | 0°0/ 7.7 17 | | | |
| 5 1 | 17 30.07 | -21 44.5 | 2.739 | 3.550 | 11.0 | 22.1 | 5 1 | 17 36.69 | -22 41.4 | 1.607 | 2.436 | 16.6 | 21.8 |
| 5 11 | 17 25.19 | -21 42.0 | 2.654 | 3.554 | 8.5 | 22.0 | 5 11 | 17 31.52 | -22 50.1 | 1.534 | 2.444 | 13.0 | 21.5 |
| 5 21 | 17 18.63 | -21 38.2 | 2.592 | 3.558 | 5.7 | 21.8 | 5 21 | 17 23.44 | -22 57.0 | 1.481 | 2.451 | 8.7 | 21.3 |
| 5 31 | 17 10.88 | -21 33.1 | 2.557 | 3.562 | 2.5 | 21.6 | 5 31 | 17 13.20 | -23 1.1 | 1.452 | 2.458 | 3.9 | 21.0 |
| 6 10 | 17 2.60 | -21 26.9 | 2.550 | 3.565 | 0.8 | 21.4 | 6 10 | 17 1.99 | -23 1.7 | 1.450 | 2.464 | 1.1 | 20.8 |
| 6 20 | 16 54.50 | -21 20.2 | 2.573 | 3.567 | 4.0 | 21.7 | 6 20 | 16 51.14 | -22 59.4 | 1.473 | 2.470 | 6.0 | 21.2 |
| 6 30 | 16 47.26 | -21 14.2 | 2.624 | 3.569 | 7.0 | 21.9 | 6 30 | 16 41.92 | -22 56.2 | 1.523 | 2.475 | 10.5 | 21.4 |
| 7 10 | 16 41.45 | -21 10.1 | 2.700 | 3.571 | 9.7 | 22.1 | 7 10 | 16 35.25 | -22 54.6 | 1.594 | 2.480 | 14.4 | 21.7 |
| 120765 | 1998 BD ₁₃ | 6 7.8 111°03 | 0°6/ 7.7 18 | | | | 107258 | 2001 BG ₆₃ | 6 7.8 107°9 | 5°5/ 7.0 18 | | | |
| 5 1 | 17 33.95 | -21 12.8 | 1.930 | 2.753 | 14.5 | 20.1 | 5 1 | 17 25.85 | -14 0.1 | 1.049 | 1.922 | 20.4 | 18.2 |
| 5 11 | 17 28.78 | -21 14.0 | 1.860 | 2.767 | 11.2 | 20.0 | 5 11 | 17 24.03 | -13 19.6 | 0.992 | 1.924 | 16.2 | 18.0 |
| 5 21 | 17 21.27 | -21 14.3 | 1.812 | 2.781 | 7.5 | 19.8 | 5 21 | 17 18.88 | -12 45.0 | 0.953 | 1.928 | 11.4 | 17.7 |
| 5 31 | 17 12.11 | -21 13.4 | 1.789 | 2.794 | 3.4 | 19.5 | 5 31 | 17 11.25 | -12 20.6 | 0.933 | 1.934 | 6.9 | 17.5 |
| 6 10 | 17 2.26 | -21 11.4 | 1.793 | 2.808 | 1.1 | 19.4 | 6 10 | 17 2.54 | -12 10.2 | 0.935 | 1.941 | 5.8 | 17.5 |
| 6 20 | 16 52.78 | -21 9.0 | 1.825 | 2.821 | 5.2 | 19.7 | 6 20 | 16 54.31 | -12 15.6 | 0.958 | 1.949 | 9.4 | 17.7 |
| 6 30 | 16 44.63 | -21 7.7 | 1.884 | 2.833 | 9.0 | 19.9 | 6 30 | 16 47.99 | -12 36.9 | 1.001 | 1.959 | 14.0 | 18.0 |
| 7 10 | 16 38.54 | -21 8.9 | 1.966 | 2.845 | 12.4 | 20.2 | 7 10 | 16 44.58 | -13 12.1 | 1.063 | 1.970 | 18.3 | 18.2 |
| 250726 | 2005 SO ₄₅ | 6 7.8 194°95 | 3°6/ 8.7 18 | | | | 439692 | 2014 KH ₃ | 6 7.8 341°73 | 1°4/ 7.6 18 | | | |
| 5 1 | 17 32.21 | -33 49.6 | 2.599 | 3.394 | 12.0 | 20.8 | 5 1 | 17 29.31 | -17 35.6 | 2.189 | 3.012 | 13.0 | 20.5 |
| 5 11 | 17 27.25 | -34 17.5 | 2.510 | 3.393 | 9.6 | 20.6 | 5 11 | 17 25.09 | -17 47.0 | 2.103 | 3.010 | 10.1 | 20.3 |
| 5 21 | 17 20.21 | -34 38.4 | 2.443 | 3.391 | 7.0 | 20.4 | 5 21 | 17 18.83 | -18 0.9 | 2.040 | 3.008 | 6.8 | 20.0 |
| 5 31 | 17 11.66 | -34 49.9 | 2.402 | 3.390 | 4.6 | 20.3 | 5 31 | 17 11.07 | -18 17.4 | 2.002 | 3.006 | 3.3 | 19.8 |
| 6 10 | 17 2.38 | -34 50.4 | 2.388 | 3.388 | 3.6 | 20.2 | 6 10 | 17 2.59 | -18 36.1 | 1.992 | 3.004 | 1.7 | 19.7 |
| 6 20 | 16 53.25 | -34 40.3 | 2.403 | 3.385 | 5.2 | 20.3 | 6 20 | 16 54.24 | -18 57.0 | 2.009 | 3.003 | 5.0 | 19.9 |
| 6 30 | 16 45.16 | -34 21.1 | 2.444 | 3.383 | 7.8 | 20.4 | 6 30 | 16 46.88 | -19 20.2 | 2.053 | 3.001 | 8.5 | 20.1 |
| 7 10 | 16 38.81 | -33 56.2 | 2.510 | 3.381 | 10.3 | 20.6 | 7 10 | 16 41.22 | -19 45.7 | 2.122 | 3.000 | 11.6 | 20.3 |
| 349826 | 2009 CU ₆ | 6 7.8 218°31 | 1°0/ 7.6 18 | | | | 169106 | 2001 OK ₄ | 6 7.8 287°81 | 0°9/ 7.7 18 | | | |
| 5 1 | 17 30.58 | -20 10.6 | 2.216 | 3.037 | 12.9 | 21.8 | 5 1 | 17 30.49 | -19 44.6 | 2.013 | 2.840 | 13.8 | 20.2 |
| 5 11 | 17 26.04 | -20 6.0 | 2.127 | 3.033 | 10.1 | 21.6 | 5 11 | 17 26.27 | -19 52.8 | 1.924 | 2.833 | 10.8 | 20.0 |
| 5 21 | 17 19.44 | -20 1.1 | 2.061 | 3.030 | 6.7 | 21.4 | 5 21 | 17 19.76 | -20 2.0 | 1.856 | 2.826 | 7.3 | 19.7 |
| 5 31 | 17 11.32 | -19 55.9 | 2.021 | 3.026 | 3.1 | 21.1 | 5 31 | 17 11.54 | -20 12.0 | 1.813 | 2.818 | 3.3 | 19.5 |
| 6 10 | 17 2.48 | -19 51.0 | 2.008 | 3.022 | 1.4 | 21.0 | 6 10 | 17 2.45 | -20 22.5 | 1.797 | 2.811 | 1.3 | 19.3 |
| 6 20 | 16 53.79 | -19 47.0 | 2.023 | 3.017 | 4.9 | 21.2 | 6 20 | 16 53.48 | -20 33.6 | 1.809 | 2.804 | 5.2 | 19.6 |
| 6 30 | 16 46.13 | -19 45.1 | 2.065 | 3.013 | 8.5 | 21.5 | 6 30 | 16 45.60 | -20 46.0 | 1.847 | 2.797 | 9.1 | 19.8 |
| 7 10 | 16 40.21 | -19 46.7 | 2.131 | 3.008 | 11.7 | 21.6 | 7 10 | 16 39.62 | -21 0.7 | 1.908 | 2.790 | 12.6 | 20.0 |
| 405832 | 2006 BW ₁₅₃ | 6 7.8 338°25 | 6°8/ 6.8 17 | | | | 294496 | 2007 WU ₃₅ | 6 7.8 168°97 | 0°8/ 8.1 18 | | | |
| 5 1 | 17 28.92 | -10 58.1 | 1.173 | 2.031 | 19.7 | 20.4 | 5 1 | 17 31.52 | -26 49.4 | 2.389 | 3.201 | 12.4 | 21.3 |
| 5 11 | 17 26.27 | -10 14.8 | 1.102 | 2.023 | 15.9 | 20.1 | 5 11 | 17 26.62 | -26 36.5 | 2.303 | 3.203 | 9.7 | 21.1 |
| 5 21 | 17 20.38 | -9 39.3 | 1.049 | 2.017 | 11.7 | 19.8 | 5 21 | 17 19.73 | -26 18.2 | 2.240 | 3.205 | 6.5 | 20.9 |
| 5 31 | 17 11.95 | -9 16.8 | 1.016 | 2.011 | 7.9 | 19.6 | 5 31 | 17 11.43 | -25 54.3 | 2.203 | 3.207 | 3.1 | 20.7 |
| 6 10 | 17 2.28 | -9 11.4 | 1.006 | 2.006 | 7.1 | 19.5 | 6 10 | 17 2.52 | -25 25.2 | 2.194 | 3.208 | 1.1 | 20.5 |
| 6 20 | 16 52.85 | -9 25.1 | 1.017 | 2.001 | 10.2 | 19.7 | 6 20 | 16 53.86 | -24 52.5 | 2.214 | 3.209 | 4.4 | 20.7 |
| 6 30 | 16 45.15 | -9 57.7 | 1.050 | 1.998 | 14.6 | 19.9 | 6 30 | 16 46.28 | -24 18.6 | 2.261 | 3.210 | 7.8 | 21.0 |
| 7 10 | 16 40.27 | -10 46.5 | 1.101 | 1.995 | 18.8 | 20.2 | 7 10 | 16 40.42 | -23 46.3 | 2.333 | 3.211 | 10.8 | 21.1 |
| 35738 | 1999 GO ₂₀ | 6 7.8 335°17 | 2°2/ 7.9 18 | | | | 469708 | 2005 GE ₁₈₇ | 6 7.8 343°55 | 0°5/ 6.3 18 | | | |
| 5 1 | 17 29.99 | -25 0.7 | 1.166 | 2.027 | 19.6 | 17.8 | 5 1 | 17 8.41 | -8 13.4 | 26.957 | 27.753 | 1.3 | 21.9 |
| 5 11 | 17 27.68 | -25 40.0 | 1.089 | 2.016 | 15.5 | 17.5 | 5 11 | 17 7.50 | -8 8.3 | 26.865 | 27.747 | 1.0 | 21.8 |
| 5 21 | 17 21.70 | -26 18.4 | 1.029 | 2.005 | 10.7 | 17.1 | 5 21 | 17 6.48 | -8 3.8 | 26.799 | 27.742 | 0.8 | 21.8 |
| 5 31 | 17 12.70 | -26 52.5 | 0.990 | 1.996 | 5.3 | 16.8 | 5 31 | 17 5.37 | -8 0.2 | 26.761 | 27.737 | 0.6 | 21.8 |
| 6 10 | 17 2.05 | -27 18.9 | 0.974 | 1.987 | 2.6 | 16.6 | 6 10 | 17 4.24 | -7 57.4 | 26.750 | 27.731 | 0.6 | 21.8 |
| 6 20 | 16 51.50 | -27 36.0 | 0.980 | 1.979 | 7.6 | 16.9 | 6 20 | 17 3.11 | -7 55.5 | 26.768 | 27.726 | 0.7 | 21.8 |
| 6 30 | 16 42.86 | -27 45.3 | 1.008 | 1.973 | 13.1 | 17.2 | 6 30 | 17 2.03 | -7 54.6 | 26.814 | 27.721 | 1.0 | 21.8 |
| 7 10 | 16 37.49 | -27 50.4 | 1.055 | 1.967 | 17.9 | 17.4 | 7 10 | 17 1.05 | -7 54.8 | 26.885 | 27.715 | 1.2 | 21.8 |
| 235257 | 2003 SR ₃₅₄ | 6 7.8 339°92 | 6°7/ 8.6 17 | | | | 211126 | 2002 GP ₅₀ | 6 7.8 27°21 | 2°8/ 8.6 17 | | | |
| 5 1 | 17 36.32 | -37 30.2 | 1.882 | 2.681 | 15.7 | 20.0 | 5 1 | 17 33.90 | -30 31.8 | 1.336 | 2.176 | 18.8 | 20.0 |
| 5 11 | 17 31.56 | -38 39.9 | 1.802 | 2.680 | 13.0 | 19.8 | 5 11 | 17 30.07 | -30 25.1 | 1.265 | 2.179 | 14.9 | 19.7 |
| 5 21 | 17 23.71 | -39 40.4 | 1.742 | 2.680 | 10.1 | 19.6 | 5 21 | 17 22.81 | -30 6.9 | 1.214 | 2.182 | 10.4 | 19.5 |
| 5 31 | 17 13.42 | -40 25.8 | 1.705 | 2.679 | 7.6 | 19.4 | 5 31 | 17 13.00 | -29 35.1 | 1.184 | 2.186 | 5.5 | 19.2 |
| 6 10 | 17 1.87 | -40 51.6 | 1.694 | 2.678 | 6.7 | 19.4 | 6 10 | 17 2.10 | -28 49.7 | 1.178 | 2.189 | 2.9 | 19.1 |
| 6 20 | 16 50.47 | -40 56.5 | 1.709 | 2.678 | 8.2 | 19.5 | 6 20 | 16 51.72 | -27 54.1 | 1.196 | 2.194 | 6.9 | 19.3 |
| 6 30 | 16 40.63 | -40 42.8 | 1.748 | 2.677 | 10.9 | 19.6 | 6 30 | 16 43.36 | -26 54.5 | 1.238 | 2.198 | 11.6 | 19.6 |
| 7 10 | 16 33.44 | -40 16.0 | 1.809 | 2.677 | 13.8 | 19.8 | 7 10 | 16 38.01 | -25 57.5 | 1.301 | 2.203 | 15.9 | 19.9 |
| 506776 | 2006 XO ₄₅ | 6 7.8 137°58 | 0°0/ 7.6 17 | | | | 314124 | 2005 EJ ₁₅₂ | 6 7.8 66°74 | 0°3/ 7.8 17 | | | |
| 5 1 | 17 30.12 | | | | | | | | | | | | |

EPHEMERIDES

6 7.8

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|---------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 490697 | 2010 <i>OA</i> ₇₁ | | 6 7.8 279°32 | 1°1/ 8.2 15 | | | 4276 | Clifford | | 6 7.8 172°68 | 0°0/ 7.8 18 | | |
| 5 1 | 17 30.36 | -27 28.9 | 2.468 | 3.280 | 12.0 | 22.4 | 5 1 | 17 44.71 | -18 47.9 | 1.592 | 2.406 | 17.5 | 18.4 |
| 5 11 | 17 25.91 | -27 18.3 | 2.357 | 3.257 | 9.5 | 22.2 | 5 11 | 17 38.07 | -19 49.9 | 1.510 | 2.411 | 13.7 | 18.2 |
| 5 21 | 17 19.42 | -27 2.0 | 2.269 | 3.234 | 6.5 | 21.9 | 5 21 | 17 28.10 | -20 58.3 | 1.448 | 2.414 | 9.2 | 17.9 |
| 5 31 | 17 11.38 | -26 39.3 | 2.207 | 3.210 | 3.2 | 21.7 | 5 31 | 17 15.47 | -22 9.6 | 1.412 | 2.417 | 4.2 | 17.6 |
| 6 10 | 17 2.54 | -26 10.3 | 2.173 | 3.186 | 1.3 | 21.5 | 6 10 | 17 1.42 | -23 19.1 | 1.404 | 2.419 | 1.2 | 17.4 |
| 6 20 | 16 53.75 | -25 36.2 | 2.167 | 3.162 | 4.5 | 21.7 | 6 20 | 16 47.47 | -24 22.9 | 1.425 | 2.419 | 6.4 | 17.8 |
| 6 30 | 16 45.89 | -24 59.7 | 2.188 | 3.138 | 8.0 | 21.8 | 6 30 | 16 35.18 | -25 19.7 | 1.472 | 2.419 | 11.3 | 18.1 |
| 7 10 | 16 39.68 | -24 23.5 | 2.235 | 3.113 | 11.1 | 22.0 | 7 10 | 16 25.70 | -26 10.2 | 1.543 | 2.418 | 15.4 | 18.3 |
| 260724 | Malherbe | | 6 7.8 353°82 | 5°2/ 6.9 17 | | | 342546 | 2008 <i>UG</i> ₂₂₈ | | 6 7.8 337°80 | 2°2/ 8.2 17 | | |
| 5 1 | 17 29.25 | -13 2.0 | 1.332 | 2.183 | 18.2 | 20.4 | 5 1 | 17 31.23 | -27 28.9 | 1.685 | 2.518 | 15.8 | 20.4 |
| 5 11 | 17 26.14 | -12 27.3 | 1.261 | 2.180 | 14.5 | 20.1 | 5 11 | 17 27.46 | -27 50.8 | 1.602 | 2.513 | 12.5 | 20.2 |
| 5 21 | 17 20.08 | -11 58.3 | 1.209 | 2.178 | 10.3 | 19.9 | 5 21 | 17 20.87 | -28 7.9 | 1.540 | 2.508 | 8.6 | 19.9 |
| 5 31 | 17 11.78 | -11 38.3 | 1.178 | 2.176 | 6.4 | 19.6 | 5 31 | 17 12.15 | -28 18.1 | 1.501 | 2.504 | 4.4 | 19.7 |
| 6 10 | 17 2.43 | -11 30.4 | 1.171 | 2.175 | 5.5 | 19.6 | 6 10 | 17 2.36 | -28 19.7 | 1.488 | 2.500 | 2.4 | 19.5 |
| 6 20 | 16 53.37 | -11 36.3 | 1.188 | 2.175 | 8.7 | 19.8 | 6 20 | 16 52.78 | -28 13.1 | 1.501 | 2.497 | 6.0 | 19.7 |
| 6 30 | 16 45.90 | -11 56.4 | 1.227 | 2.175 | 12.9 | 20.0 | 6 30 | 16 44.64 | -28 0.6 | 1.538 | 2.494 | 10.2 | 20.0 |
| 7 10 | 16 40.98 | -12 29.3 | 1.286 | 2.175 | 16.9 | 20.2 | 7 10 | 16 38.89 | -27 45.7 | 1.597 | 2.491 | 14.0 | 20.2 |
| 238846 | 2005 <i>US</i> ₂₂₀ | | 6 7.8 72°18 | 1°6/ 8.2 18 | | | 435653 | 2008 <i>SA</i> ₂₆₆ | | 6 7.8 152°18 | 2°1/ 7.3 17 | | |
| 5 1 | 17 35.82 | -27 7.6 | 1.258 | 2.104 | 19.4 | 20.7 | 5 1 | 17 31.25 | -18 5.6 | 2.121 | 2.943 | 13.4 | 22.2 |
| 5 11 | 17 31.57 | -27 5.4 | 1.195 | 2.113 | 15.2 | 20.5 | 5 11 | 17 26.54 | -17 40.2 | 2.041 | 2.947 | 10.4 | 22.0 |
| 5 21 | 17 23.80 | -26 55.7 | 1.151 | 2.123 | 10.3 | 20.2 | 5 21 | 17 19.75 | -17 15.0 | 1.984 | 2.951 | 7.1 | 21.8 |
| 5 31 | 17 13.43 | -26 36.5 | 1.128 | 2.133 | 5.0 | 19.9 | 5 31 | 17 11.49 | -16 50.9 | 1.952 | 2.955 | 3.6 | 21.5 |
| 6 10 | 17 2.00 | -26 7.9 | 1.128 | 2.142 | 1.9 | 19.7 | 6 10 | 17 2.58 | -16 29.6 | 1.948 | 2.959 | 2.4 | 21.5 |
| 6 20 | 16 51.17 | -25 32.7 | 1.154 | 2.152 | 6.9 | 20.1 | 6 20 | 16 53.94 | -16 12.6 | 1.972 | 2.962 | 5.4 | 21.7 |
| 6 30 | 16 42.46 | -24 55.7 | 1.202 | 2.162 | 11.9 | 20.4 | 6 30 | 16 46.41 | -16 1.3 | 2.022 | 2.965 | 8.9 | 21.9 |
| 7 10 | 16 36.88 | -24 22.0 | 1.271 | 2.172 | 16.3 | 20.7 | 7 10 | 16 40.66 | -15 56.9 | 2.096 | 2.968 | 12.0 | 22.1 |
| 373569 | 2001 <i>XH</i> ₂₀₄ | | 6 7.8 177°20 | 1°8/ 8.4 17 | | | 129749 | 1999 <i>CJ</i> ₁₃₇ | | 6 7.8 144°01 | 2°2/ 7.2 18 | | |
| 5 1 | 17 34.95 | -29 2.0 | 2.182 | 2.990 | 13.5 | 21.8 | 5 1 | 17 27.09 | -15 44.1 | 2.790 | 3.605 | 10.7 | 20.8 |
| 5 11 | 17 29.54 | -28 59.9 | 2.096 | 2.992 | 10.7 | 21.6 | 5 11 | 17 22.85 | -15 28.0 | 2.707 | 3.608 | 8.4 | 20.6 |
| 5 21 | 17 21.82 | -28 51.1 | 2.032 | 2.994 | 7.3 | 21.4 | 5 21 | 17 17.08 | -15 13.5 | 2.647 | 3.611 | 5.7 | 20.5 |
| 5 31 | 17 12.41 | -28 34.2 | 1.993 | 2.994 | 3.8 | 21.1 | 5 31 | 17 10.24 | -15 1.7 | 2.614 | 3.613 | 3.2 | 20.3 |
| 6 10 | 17 2.27 | -28 9.0 | 1.983 | 2.995 | 1.9 | 21.0 | 6 10 | 17 2.93 | -14 53.4 | 2.609 | 3.616 | 2.4 | 20.2 |
| 6 20 | 16 52.41 | -27 36.9 | 2.001 | 2.995 | 4.9 | 21.2 | 6 20 | 16 55.78 | -14 49.5 | 2.632 | 3.619 | 4.5 | 20.4 |
| 6 30 | 16 43.80 | -27 0.9 | 2.046 | 2.994 | 8.5 | 21.4 | 6 30 | 16 49.41 | -14 50.7 | 2.683 | 3.621 | 7.2 | 20.6 |
| 7 10 | 16 37.20 | -26 24.6 | 2.115 | 2.993 | 11.7 | 21.6 | 7 10 | 16 44.33 | -14 57.2 | 2.759 | 3.623 | 9.7 | 20.7 |
| 32935 | 1995 <i>SV</i> ₄₃ | | 6 7.8 233°16 | 2°7/ 6.9 18 | | | 394025 | 2005 <i>WU</i> ₁₂ | | 6 7.8 257°60 | 1°3/ 7.3 17 | | |
| 5 1 | 17 28.76 | -15 47.6 | 2.484 | 3.301 | 11.8 | 19.2 | 5 1 | 17 29.01 | -21 26.0 | 2.427 | 3.246 | 12.0 | 20.8 |
| 5 11 | 17 24.37 | -15 16.5 | 2.391 | 3.294 | 9.3 | 19.0 | 5 11 | 17 24.62 | -20 44.8 | 2.335 | 3.241 | 9.3 | 20.6 |
| 5 21 | 17 18.22 | -14 46.4 | 2.322 | 3.286 | 6.4 | 18.8 | 5 21 | 17 18.40 | -20 0.3 | 2.268 | 3.236 | 6.2 | 20.4 |
| 5 31 | 17 10.77 | -14 18.7 | 2.279 | 3.277 | 3.7 | 18.6 | 5 31 | 17 10.87 | -19 13.7 | 2.226 | 3.231 | 2.9 | 20.2 |
| 6 10 | 17 2.73 | -13 55.0 | 2.263 | 3.269 | 2.9 | 18.5 | 6 10 | 17 2.77 | -18 26.9 | 2.213 | 3.225 | 1.6 | 20.1 |
| 6 20 | 16 54.81 | -13 37.0 | 2.276 | 3.260 | 5.3 | 18.7 | 6 20 | 16 54.86 | -17 42.2 | 2.228 | 3.220 | 4.7 | 20.3 |
| 6 30 | 16 47.76 | -13 25.9 | 2.316 | 3.251 | 8.3 | 18.9 | 6 30 | 16 47.92 | -17 2.3 | 2.271 | 3.215 | 8.0 | 20.5 |
| 7 10 | 16 42.19 | -13 22.4 | 2.380 | 3.242 | 11.1 | 19.0 | 7 10 | 16 42.54 | -16 29.1 | 2.338 | 3.209 | 11.0 | 20.7 |
| 412071 | 2013 <i>EG</i> ₁₁₉ | | 6 7.8 358°52 | 3°3/ 8.5 17 | | | 308383 | 2005 <i>SF</i> ₆ | | 6 7.8 140°32 | 1°5/ 7.3 18 | | |
| 5 1 | 17 31.89 | -29 53.0 | 1.169 | 2.022 | 20.0 | 20.6 | 5 1 | 17 28.83 | -18 55.7 | 2.873 | 3.684 | 10.5 | 22.2 |
| 5 11 | 17 29.06 | -30 1.7 | 1.099 | 2.020 | 16.0 | 20.3 | 5 11 | 17 24.09 | -18 31.6 | 2.793 | 3.693 | 8.2 | 22.0 |
| 5 21 | 17 22.47 | -30 0.2 | 1.047 | 2.019 | 11.2 | 20.0 | 5 21 | 17 17.84 | -18 7.0 | 2.737 | 3.702 | 5.5 | 21.9 |
| 5 31 | 17 12.97 | -29 45.0 | 1.016 | 2.018 | 6.0 | 19.7 | 5 31 | 17 10.56 | -17 42.7 | 2.708 | 3.711 | 2.7 | 21.7 |
| 6 10 | 17 2.11 | -29 15.2 | 1.007 | 2.018 | 3.4 | 19.6 | 6 10 | 17 2.86 | -17 19.8 | 2.709 | 3.720 | 1.7 | 21.6 |
| 6 20 | 16 51.70 | -28 33.3 | 1.021 | 2.019 | 7.5 | 19.8 | 6 20 | 16 55.37 | -16 59.6 | 2.738 | 3.728 | 4.1 | 21.8 |
| 6 30 | 16 43.46 | -27 45.1 | 1.056 | 2.020 | 12.7 | 20.1 | 6 30 | 16 48.71 | -16 43.3 | 2.796 | 3.735 | 6.9 | 22.0 |
| 7 10 | 16 38.53 | -26 57.5 | 1.112 | 2.022 | 17.3 | 20.4 | 7 10 | 16 43.36 | -16 31.9 | 2.878 | 3.743 | 9.4 | 22.2 |
| 348190 | 2004 <i>PS</i> ₇₃ | | 6 7.8 289°45 | 11°7/ 10.4 18 | | | 467153 | 2016 <i>EC</i> ₈₇ | | 6 7.8 3°29 | 4°5/ 7.3 17 | | |
| 5 1 | 17 47.54 | -58 55.8 | 2.540 | 3.209 | 15.2 | 20.9 | 5 1 | 17 31.10 | -13 39.5 | 1.324 | 2.173 | 18.4 | 20.6 |
| 5 11 | 17 41.25 | -60 1.0 | 2.432 | 3.178 | 14.1 | 20.7 | 5 11 | 17 27.63 | -13 21.5 | 1.254 | 2.172 | 14.6 | 20.4 |
| 5 21 | 17 30.78 | -60 48.9 | 2.341 | 3.147 | 13.0 | 20.6 | 5 21 | 17 21.12 | -13 9.9 | 1.202 | 2.172 | 10.3 | 20.1 |
| 5 31 | 17 16.83 | -61 11.5 | 2.270 | 3.115 | 12.1 | 20.5 | 5 31 | 17 12.29 | -13 7.1 | 1.173 | 2.173 | 6.0 | 19.9 |
| 6 10 | 17 0.98 | -61 2.5 | 2.220 | 3.083 | 11.7 | 20.4 | 6 10 | 17 2.36 | -13 14.8 | 1.166 | 2.173 | 4.7 | 19.8 |
| 6 20 | 16 45.29 | -60 19.6 | 2.192 | 3.051 | 12.1 | 20.4 | 6 20 | 16 52.73 | -13 33.6 | 1.184 | 2.174 | 8.2 | 20.0 |
| 6 30 | 16 31.82 | -59 5.3 | 2.187 | 3.019 | 13.1 | 20.4 | 6 30 | 16 44.75 | -14 3.3 | 1.225 | 2.176 | 12.6 | 20.3 |
| 7 10 | 16 22.02 | -57 27.3 | 2.202 | 2.986 | 14.5 | 20.4 | 7 10 | 16 39.42 | -14 42.7 | 1.286 | 2.178 | 16.8 | 20.5 |
| 507742 | 2013 <i>XD</i> ₁₅ | | 6 7.8 256°84 | 0°4/ 7.9 17 | | | 118905 | 2000 <i>UM</i> ₈₇ | | 6 7.8 200°84 | 0°0/ 7.6 18 | | |
| 5 1 | 17 32.45 | -23 27.6 | 1.848 | 2.676 | 14.8 | 21.7 | 5 1 | 17 30.68 | -21 40.7 | 2.521 | 3.335 | 11.8 | 20.5 |
| 5 11 | 17 28.06 | -23 38.2 | 1.761 | 2.670 | 11.6 | 21.5 | 5 11 | 17 25.94 | -21 58.2 | 2.431 | 3.333 | 9.1 | 20.4 |
| 5 21 | 17 21.11 | -23 47.0 | 1.694 | 2.664 | 7.8 | 21.2 | 5 21 | 17 19.32 | -22 15.6 | 2.364 | 3.331 | 6.1 | 20.2 |
| 5 31 | 17 12.20 | -23 52.8 | 1.653 | 2.658 | 3.6 | 21.0 | 5 31 | 17 11.32 | -22 32.0 | 2.324 | 3.329 | 2.7 | 19.9 |
| 6 10 | 17 2.33 | -23 55.1 | 1.637 | 2.652 | 1.0 | 20.7 | 6 10 | 17 2.64 | -22 47.0 | 2.312 | 3.326 | 0.8 | 19.8 |
| 6 20 | 16 52.60 | -23 54.1 | 1.649 | 2.646 | 5.4 | 21.0 | 6 20 | 16 54.07 | -23 0.3 | 2.329 | 3.324 | 4.2 | 20.0 |
| 6 30 | 16 44.15 | -23 51.4 | 1.686 | 2.639 | 9.6 | 21.3 | 6 30 | 16 46.40 | -23 12.6 | 2.373 | 3.321 | 7.5 | 20.2 |
| 7 10 | 16 37.86 | -23 49.4 | 1.747 | 2.633 | 13.3 | 21.5 | 7 10 | 16 40.28 | -23 24.8 | 2.443 | 3.318 | 10.4 | 20.4 |
| 83785 | 2001 <i>TU</i> ₂₀₂ | | 6 7.8 213°77 | 0°8/ 7.9 18 | | | 370260 | 2002 <i>QO</i> ₁₈ | | 6 7.8 290°55 | 0 | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|----------------------------------|-----------------|--------------|---------------|---------|------|
| 327758 | 2006 <i>UV</i> ₁₃ | | 6 7.8 204°92 | 0°8/ 7.9 17 | | | 475653 | 2006 <i>UP</i> ₂₈₉ | | 6 7.8 229°93 | 0°1/ 7.8 18 | | |
| 5 1 | 17 35.40 | -24 28.4 | 1.991 | 2.808 | 14.3 | 21.9 | 5 1 | 17 30.40 | -23 19.5 | 2.670 | 3.481 | 11.3 | 22.7 |
| 5 11 | 17 30.19 | -24 41.5 | 1.900 | 2.804 | 11.2 | 21.7 | 5 11 | 17 25.65 | -23 10.0 | 2.570 | 3.470 | 8.8 | 22.5 |
| 5 21 | 17 22.46 | -24 52.2 | 1.832 | 2.799 | 7.6 | 21.5 | 5 21 | 17 19.10 | -22 57.8 | 2.493 | 3.459 | 5.9 | 22.3 |
| 5 31 | 17 12.82 | -24 58.8 | 1.789 | 2.793 | 3.5 | 21.2 | 5 31 | 17 11.22 | -22 42.7 | 2.443 | 3.448 | 2.6 | 22.1 |
| 6 10 | 17 2.22 | -25 0.5 | 1.773 | 2.787 | 1.2 | 21.0 | 6 10 | 17 2.71 | -22 25.4 | 2.421 | 3.436 | 0.8 | 21.9 |
| 6 20 | 16 51.76 | -24 57.7 | 1.785 | 2.781 | 5.2 | 21.3 | 6 20 | 16 54.29 | -22 6.7 | 2.428 | 3.423 | 4.1 | 22.2 |
| 6 30 | 16 42.55 | -24 51.8 | 1.824 | 2.774 | 9.3 | 21.5 | 6 30 | 16 46.74 | -21 48.2 | 2.464 | 3.410 | 7.3 | 22.4 |
| 7 10 | 16 35.46 | -24 45.6 | 1.886 | 2.766 | 12.8 | 21.7 | 7 10 | 16 40.65 | -21 31.7 | 2.524 | 3.397 | 10.2 | 22.5 |
| 245306 | 2005 <i>EN</i> ₂₈ | | 6 7.8 95°13 | 0°7/ 7.7 17 | | | 518837 | 2010 <i>CX</i> ₂₂₃ | | 6 7.8 209°53 | 5°8/ 6.4 17 | | |
| 5 1 | 17 35.04 | -20 51.9 | 1.536 | 2.371 | 17.0 | 20.5 | 5 1 | 17 29.23 | -6 57.5 | 2.249 | 3.057 | 13.2 | 21.8 |
| 5 11 | 17 30.26 | -20 55.5 | 1.469 | 2.382 | 13.2 | 20.3 | 5 11 | 17 24.86 | -6 18.1 | 2.167 | 3.054 | 10.8 | 21.6 |
| 5 21 | 17 22.61 | -20 58.9 | 1.422 | 2.394 | 8.8 | 20.1 | 5 21 | 17 18.61 | -5 45.8 | 2.107 | 3.051 | 8.2 | 21.4 |
| 5 31 | 17 12.87 | -21 1.5 | 1.399 | 2.405 | 4.0 | 19.8 | 5 31 | 17 11.00 | -5 23.4 | 2.071 | 3.048 | 6.2 | 21.3 |
| 6 10 | 17 2.23 | -21 3.2 | 1.401 | 2.416 | 1.4 | 19.6 | 6 10 | 17 2.77 | -5 13.3 | 2.063 | 3.044 | 5.9 | 21.3 |
| 6 20 | 16 52.01 | -21 4.7 | 1.430 | 2.426 | 6.1 | 20.0 | 6 20 | 16 54.70 | -5 16.8 | 2.080 | 3.041 | 7.6 | 21.4 |
| 6 30 | 16 43.45 | -21 7.5 | 1.483 | 2.437 | 10.6 | 20.3 | 6 30 | 16 47.58 | -5 33.9 | 2.124 | 3.037 | 10.1 | 21.5 |
| 7 10 | 16 37.42 | -21 13.4 | 1.559 | 2.447 | 14.5 | 20.5 | 7 10 | 16 42.02 | -6 3.3 | 2.190 | 3.033 | 12.7 | 21.7 |
| 362797 | 2011 <i>WB</i> ₁₅₂ | | 6 7.8 148°84 | 4°9/ 8.9 17 | | | 420437 | 2012 <i>DA</i> ₃₆ | | 6 7.8 40°36 | 0°5/ 7.8 17 | | |
| 5 1 | 17 37.93 | -34 11.4 | 1.492 | 2.312 | 18.1 | 21.2 | 5 1 | 17 32.46 | -21 16.2 | 1.301 | 2.152 | 18.6 | 20.7 |
| 5 11 | 17 33.14 | -34 30.6 | 1.417 | 2.315 | 14.7 | 21.0 | 5 11 | 17 28.73 | -21 25.0 | 1.241 | 2.163 | 14.4 | 20.5 |
| 5 21 | 17 24.87 | -34 37.6 | 1.361 | 2.318 | 10.7 | 20.8 | 5 21 | 17 21.82 | -21 33.7 | 1.200 | 2.175 | 9.6 | 20.2 |
| 5 31 | 17 13.98 | -34 28.1 | 1.327 | 2.320 | 6.7 | 20.5 | 5 31 | 17 12.58 | -21 41.5 | 1.180 | 2.187 | 4.3 | 19.9 |
| 6 10 | 17 1.91 | -33 59.8 | 1.318 | 2.322 | 4.9 | 20.4 | 6 10 | 17 2.35 | -21 47.9 | 1.185 | 2.200 | 1.3 | 19.8 |
| 6 20 | 16 50.32 | -33 14.7 | 1.334 | 2.324 | 7.5 | 20.6 | 6 20 | 16 52.62 | -21 53.4 | 1.215 | 2.213 | 6.6 | 20.1 |
| 6 30 | 16 40.73 | -32 18.1 | 1.375 | 2.326 | 11.5 | 20.8 | 6 30 | 16 44.75 | -21 59.7 | 1.267 | 2.227 | 11.5 | 20.5 |
| 7 10 | 16 34.21 | -31 17.7 | 1.437 | 2.328 | 15.4 | 21.1 | 7 10 | 16 39.68 | -22 8.5 | 1.340 | 2.241 | 15.6 | 20.7 |
| 208379 | 2001 <i>SR</i> ₇₈ | | 6 7.8 352°99 | 0°9/ 8.0 18 | | | 281492 | 2008 <i>SO</i> ₂₇₅ | | 6 7.8 204°74 | 1°1/ 7.5 18 | | |
| 5 1 | 17 30.45 | -25 23.6 | 1.967 | 2.794 | 14.1 | 20.2 | 5 1 | 17 31.69 | -21 14.0 | 2.032 | 2.856 | 13.8 | 21.2 |
| 5 11 | 17 26.32 | -25 29.3 | 1.884 | 2.793 | 11.0 | 20.0 | 5 11 | 17 27.10 | -20 50.8 | 1.946 | 2.854 | 10.8 | 21.0 |
| 5 21 | 17 19.83 | -25 31.2 | 1.823 | 2.792 | 7.4 | 19.8 | 5 21 | 17 20.26 | -20 25.3 | 1.882 | 2.851 | 7.2 | 20.8 |
| 5 31 | 17 11.60 | -25 28.5 | 1.786 | 2.791 | 3.5 | 19.5 | 5 31 | 17 11.78 | -19 58.1 | 1.844 | 2.849 | 3.3 | 20.5 |
| 6 10 | 17 2.57 | -25 20.8 | 1.776 | 2.790 | 1.2 | 19.4 | 6 10 | 17 2.56 | -19 30.4 | 1.832 | 2.846 | 1.5 | 20.4 |
| 6 20 | 16 53.75 | -25 9.0 | 1.793 | 2.790 | 5.1 | 19.6 | 6 20 | 16 53.57 | -19 4.3 | 1.849 | 2.843 | 5.3 | 20.6 |
| 6 30 | 16 46.17 | -24 55.1 | 1.836 | 2.790 | 8.9 | 19.9 | 6 30 | 16 45.75 | -18 41.8 | 1.892 | 2.839 | 9.1 | 20.9 |
| 7 10 | 16 40.58 | -24 41.7 | 1.903 | 2.790 | 12.4 | 20.1 | 7 10 | 16 39.84 | -18 25.1 | 1.958 | 2.836 | 12.5 | 21.1 |
| 202984 | 1999 <i>UR</i> ₂₉ | | 6 7.8 24°57 | 7°1/ 8.6 17 | | | 229125 | 2004 <i>RE</i> ₁₆₂ | | 6 7.8 283°60 | 4°8/ 9.1 15 | | |
| 5 1 | 17 35.10 | -36 11.9 | 1.564 | 2.381 | 17.6 | 19.8 | 5 1 | 17 34.73 | -35 22.1 | 1.812 | 2.622 | 15.8 | 21.1 |
| 5 11 | 17 31.06 | -37 29.0 | 1.495 | 2.387 | 14.5 | 19.6 | 5 11 | 17 30.39 | -35 34.8 | 1.711 | 2.601 | 13.0 | 20.9 |
| 5 21 | 17 23.60 | -38 36.4 | 1.446 | 2.393 | 11.1 | 19.4 | 5 21 | 17 23.01 | -35 36.0 | 1.629 | 2.581 | 9.6 | 20.7 |
| 5 31 | 17 13.48 | -39 27.4 | 1.420 | 2.399 | 8.2 | 19.2 | 5 31 | 17 13.21 | -35 21.6 | 1.570 | 2.560 | 6.3 | 20.4 |
| 6 10 | 17 2.04 | -39 56.9 | 1.417 | 2.406 | 7.1 | 19.2 | 6 10 | 17 2.14 | -34 49.4 | 1.537 | 2.539 | 4.8 | 20.3 |
| 6 20 | 16 50.89 | -40 3.5 | 1.439 | 2.414 | 8.8 | 19.3 | 6 20 | 16 51.17 | -34 0.3 | 1.530 | 2.518 | 7.0 | 20.3 |
| 6 30 | 16 41.61 | -39 50.3 | 1.484 | 2.422 | 11.9 | 19.5 | 6 30 | 16 41.70 | -32 58.6 | 1.548 | 2.497 | 10.7 | 20.5 |
| 7 10 | 16 35.33 | -39 23.7 | 1.550 | 2.430 | 15.1 | 19.7 | 7 10 | 16 34.81 | -31 51.0 | 1.589 | 2.476 | 14.4 | 20.7 |
| 140734 | 2001 <i>UF</i> ₁₀₀ | | 6 7.8 264°00 | 0°3/ 7.9 18 | | | 318017 | 2004 <i>DH</i> ₂₇ | | 6 7.8 17°55 | 3°7/ 8.4 17 | | |
| 5 1 | 17 30.48 | -23 38.2 | 2.197 | 3.018 | 13.0 | 20.5 | 5 1 | 17 31.18 | -29 3.7 | 1.233 | 2.085 | 19.3 | 20.0 |
| 5 11 | 17 26.12 | -23 44.7 | 2.106 | 3.012 | 10.2 | 20.3 | 5 11 | 17 28.27 | -29 39.3 | 1.169 | 2.089 | 15.3 | 19.8 |
| 5 21 | 17 19.61 | -23 49.1 | 2.037 | 3.006 | 6.8 | 20.0 | 5 21 | 17 21.82 | -30 7.9 | 1.124 | 2.095 | 10.7 | 19.5 |
| 5 31 | 17 11.50 | -23 50.8 | 1.994 | 2.999 | 3.1 | 19.8 | 5 31 | 17 12.68 | -30 25.6 | 1.100 | 2.101 | 6.0 | 19.3 |
| 6 10 | 17 2.61 | -23 49.3 | 1.978 | 2.992 | 0.9 | 19.6 | 6 10 | 17 2.31 | -30 29.7 | 1.099 | 2.109 | 3.8 | 19.2 |
| 6 20 | 16 53.84 | -23 45.3 | 1.990 | 2.986 | 4.7 | 19.9 | 6 20 | 16 52.40 | -30 20.6 | 1.121 | 2.117 | 7.4 | 19.4 |
| 6 30 | 16 46.12 | -23 40.1 | 2.028 | 2.979 | 8.4 | 20.1 | 6 30 | 16 44.53 | -30 2.1 | 1.165 | 2.127 | 12.0 | 19.7 |
| 7 10 | 16 40.20 | -23 35.6 | 2.091 | 2.972 | 11.6 | 20.3 | 7 10 | 16 39.77 | -29 39.5 | 1.230 | 2.137 | 16.3 | 20.0 |
| 34671 | 2000 <i>YY</i> ₁₈ | | 6 7.8 158°86 | 1°1/ 7.6 18 | | | 134683 | 1999 <i>XO</i> ₂₈ | | 6 7.9 243°61 | 1°2/ 7.6 18 R | | |
| 5 1 | 17 35.81 | -20 10.4 | 1.988 | 2.805 | 14.3 | 19.6 | 5 1 | 17 34.35 | -20 47.3 | 1.895 | 2.719 | 14.7 | 21.0 |
| 5 11 | 17 30.24 | -20 2.2 | 1.909 | 2.812 | 11.2 | 19.4 | 5 11 | 17 29.53 | -20 32.5 | 1.796 | 2.703 | 11.6 | 20.7 |
| 5 21 | 17 22.31 | -19 53.3 | 1.852 | 2.819 | 7.5 | 19.2 | 5 21 | 17 22.14 | -20 16.0 | 1.718 | 2.687 | 7.8 | 20.5 |
| 5 31 | 17 12.68 | -19 43.9 | 1.821 | 2.826 | 3.5 | 19.0 | 5 31 | 17 12.74 | -19 57.9 | 1.665 | 2.670 | 3.6 | 20.2 |
| 6 10 | 17 2.30 | -19 34.5 | 1.818 | 2.831 | 1.5 | 18.9 | 6 10 | 17 2.29 | -19 39.1 | 1.639 | 2.653 | 1.6 | 20.0 |
| 6 20 | 16 52.21 | -19 26.0 | 1.842 | 2.836 | 5.4 | 19.1 | 6 20 | 16 51.90 | -19 21.0 | 1.641 | 2.635 | 5.8 | 20.2 |
| 6 30 | 16 43.42 | -19 20.1 | 1.894 | 2.840 | 9.2 | 19.4 | 6 30 | 16 42.70 | -19 5.8 | 1.668 | 2.616 | 10.1 | 20.5 |
| 7 10 | 16 36.67 | -19 18.4 | 1.969 | 2.843 | 12.6 | 19.6 | 7 10 | 16 35.61 | -18 55.9 | 1.719 | 2.597 | 13.9 | 20.6 |
| 184496 | 2005 <i>OF</i> ₂₇ | | 6 7.8 169°14 | 1°3/ 8.2 18 | | | 144743 | 2004 <i>GD</i> ₆₁ | | 6 7.9 1°45 | 0°4/ 7.8 18 | | |
| 5 1 | 17 30.78 | -27 34.2 | 2.362 | 3.176 | 12.5 | 20.6 | 5 1 | 17 27.49 | -21 34.8 | 1.592 | 2.439 | 15.9 | 19.1 |
| 5 11 | 17 26.15 | -27 32.7 | 2.277 | 3.177 | 9.8 | 20.4 | 5 11 | 17 24.49 | -21 41.4 | 1.517 | 2.437 | 12.4 | 18.9 |
| 5 21 | 17 19.50 | -27 26.0 | 2.213 | 3.178 | 6.6 | 20.2 | 5 21 | 17 18.86 | -21 47.6 | 1.462 | 2.436 | 8.3 | 18.6 |
| 5 31 | 17 11.40 | -27 13.3 | 2.176 | 3.178 | 3.3 | 20.0 | 5 31 | 17 11.26 | -21 52.9 | 1.430 | 2.437 | 3.7 | 18.4 |
| 6 10 | 17 2.65 | -26 54.7 | 2.166 | 3.179 | 1.5 | 19.9 | 6 10 | 17 2.73 | -21 57.2 | 1.423 | 2.438 | 1.1 | 18.2 |
| 6 20 | 16 54.12 | -26 31.1 | 2.185 | 3.180 | 4.5 | 20.1 | 6 20 | 16 54.45 | -22 1.0 | 1.442 | 2.440 | 5.8 | 18.5 |
| 6 30 | 16 46.66 | -26 4.9 | 2.230 | 3.180 | 7.8 | 20.3 | 6 30 | 16 47.56 | -22 5.7 | 1.484 | 2.443 | 10.2 | 18.8 |
| 7 10 | 16 40.93 | -25 38.8 | 2.300 | 3.180 | 10.8 | 20.5 | 7 10 | 16 42.93 | -22 12.6 | 1.549 | 2.447 | 14.0 | 19.0 |
| 478163 | 2011 <i>UW</i> ₁₇₅ | | 6 7.8 221°84 | 3°6/ 8.6 18 | | | 179263 | 2001 <i>UH</i> ₁₅₇ </ | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|---------------|---------|------|
| 390996 | 2005 <i>ST</i> ₈₉ | | 6 7.9 325°93 | 0°9/ 8.0 18 | | | 423607 | 2005 <i>WN</i> ₄₁ | | 6 7.9 125°31 | 2°4/ 8.1 15 | | |
| 5 1 | 17 27.70 | -25 12.4 | 1.735 | 2.574 | 15.2 | 20.6 | 5 1 | 17 37.14 | -27 3.3 | 2.016 | 2.827 | 14.4 | 22.1 |
| 5 11 | 17 24.73 | -25 14.8 | 1.637 | 2.553 | 12.0 | 20.3 | 5 11 | 17 31.49 | -27 48.7 | 1.941 | 2.839 | 11.3 | 21.9 |
| 5 21 | 17 19.12 | -25 13.2 | 1.560 | 2.532 | 8.1 | 20.1 | 5 21 | 17 23.30 | -28 31.2 | 1.888 | 2.851 | 7.8 | 21.7 |
| 5 31 | 17 11.45 | -25 6.7 | 1.507 | 2.512 | 3.8 | 19.7 | 5 31 | 17 13.22 | -29 7.6 | 1.862 | 2.862 | 4.1 | 21.5 |
| 6 10 | 17 2.67 | -24 54.9 | 1.479 | 2.493 | 1.3 | 19.5 | 6 10 | 17 2.27 | -29 35.4 | 1.862 | 2.873 | 2.5 | 21.4 |
| 6 20 | 16 53.92 | -24 38.9 | 1.476 | 2.475 | 5.7 | 19.8 | 6 20 | 16 51.56 | -29 53.7 | 1.891 | 2.883 | 5.4 | 21.6 |
| 6 30 | 16 46.41 | -24 20.9 | 1.499 | 2.457 | 10.1 | 20.0 | 6 30 | 16 42.21 | -30 3.9 | 1.947 | 2.893 | 9.0 | 21.9 |
| 7 10 | 16 41.10 | -24 4.1 | 1.543 | 2.440 | 14.2 | 20.2 | 7 10 | 16 35.05 | -30 8.6 | 2.026 | 2.903 | 12.2 | 22.1 |
| 198969 | 2005 <i>UJ</i> ₅₀₈ | | 6 7.9 32°28 | 2°0/ 8.3 17 | | | 377641 | 2005 <i>UH</i> ₆₄ | | 6 7.9 186°59 | 2°7/ 7.3 17 | | |
| 5 1 | 17 31.89 | -28 16.8 | 1.442 | 2.283 | 17.6 | 20.1 | 5 1 | 17 32.71 | -15 55.2 | 2.171 | 2.988 | 13.3 | 22.1 |
| 5 11 | 17 28.18 | -28 16.9 | 1.377 | 2.292 | 13.8 | 19.9 | 5 11 | 17 27.69 | -15 36.5 | 2.086 | 2.988 | 10.5 | 21.9 |
| 5 21 | 17 21.40 | -28 9.2 | 1.330 | 2.300 | 9.4 | 19.7 | 5 21 | 17 20.58 | -15 19.7 | 2.023 | 2.987 | 7.2 | 21.7 |
| 5 31 | 17 12.39 | -27 51.9 | 1.306 | 2.310 | 4.7 | 19.4 | 5 31 | 17 11.95 | -15 5.9 | 1.985 | 2.986 | 3.9 | 21.5 |
| 6 10 | 17 2.47 | -27 25.1 | 1.307 | 2.320 | 2.2 | 19.3 | 6 10 | 17 2.62 | -14 56.3 | 1.976 | 2.984 | 2.9 | 21.5 |
| 6 20 | 16 53.05 | -26 51.3 | 1.333 | 2.331 | 6.2 | 19.5 | 6 20 | 16 53.47 | -14 52.0 | 1.994 | 2.982 | 5.7 | 21.6 |
| 6 30 | 16 45.41 | -26 14.4 | 1.382 | 2.342 | 10.7 | 19.8 | 6 30 | 16 45.38 | -14 53.9 | 2.040 | 2.979 | 9.1 | 21.8 |
| 7 10 | 16 40.47 | -25 39.3 | 1.453 | 2.353 | 14.7 | 20.1 | 7 10 | 16 39.06 | -15 2.6 | 2.109 | 2.975 | 12.2 | 22.0 |
| 148438 | 2000 <i>XU</i> ₂₄ | | 6 7.9 231°73 | 4°9/ 9.6 18 | | | 66670 | 1999 <i>TR</i> ₁₅ | | 6 7.9 260°11 | 2°2/ 8.3 18 | | |
| 5 1 | 17 34.31 | -39 59.8 | 2.741 | 3.511 | 12.0 | 20.3 | 5 1 | 17 33.12 | -28 24.1 | 1.996 | 2.814 | 14.3 | 20.1 |
| 5 11 | 17 28.96 | -40 15.2 | 2.642 | 3.502 | 10.0 | 20.2 | 5 11 | 17 28.61 | -28 42.0 | 1.901 | 2.803 | 11.3 | 19.8 |
| 5 21 | 17 21.44 | -40 19.9 | 2.564 | 3.492 | 7.8 | 20.0 | 5 21 | 17 21.55 | -28 54.9 | 1.827 | 2.791 | 7.9 | 19.6 |
| 5 31 | 17 12.33 | -40 11.0 | 2.512 | 3.482 | 5.8 | 19.9 | 5 31 | 17 12.51 | -29 0.5 | 1.779 | 2.780 | 4.2 | 19.3 |
| 6 10 | 17 2.48 | -39 47.1 | 2.487 | 3.471 | 4.9 | 19.8 | 6 10 | 17 2.47 | -28 57.6 | 1.757 | 2.768 | 2.4 | 19.2 |
| 6 20 | 16 52.83 | -39 8.9 | 2.490 | 3.460 | 5.9 | 19.8 | 6 20 | 16 52.52 | -28 46.4 | 1.762 | 2.756 | 5.5 | 19.4 |
| 6 30 | 16 44.30 | -38 18.9 | 2.520 | 3.449 | 8.0 | 20.0 | 6 30 | 16 43.79 | -28 29.0 | 1.793 | 2.744 | 9.3 | 19.6 |
| 7 10 | 16 37.60 | -37 21.6 | 2.575 | 3.438 | 10.4 | 20.1 | 7 10 | 16 37.18 | -28 8.7 | 1.847 | 2.731 | 12.8 | 19.8 |
| 435207 | 2007 <i>RJ</i> ₂₀₅ | | 6 7.9 0°70 | 6°3/ 5.9 18 | | | 326221 | 2012 <i>CD</i> ₅₀ | | 6 7.9 69°81 | 1°9/ 7.5 17 | | |
| 5 1 | 17 27.89 | -10 41.3 | 1.698 | 2.533 | 15.6 | 20.6 | 5 1 | 17 33.65 | -19 16.8 | 1.459 | 2.300 | 17.4 | 20.4 |
| 5 11 | 17 24.39 | -9 29.1 | 1.625 | 2.532 | 12.6 | 20.4 | 5 11 | 17 29.24 | -19 1.2 | 1.397 | 2.313 | 13.6 | 20.2 |
| 5 21 | 17 18.57 | -8 20.9 | 1.573 | 2.531 | 9.4 | 20.2 | 5 21 | 17 21.96 | -18 45.9 | 1.354 | 2.327 | 9.1 | 20.0 |
| 5 31 | 17 11.07 | -7 21.7 | 1.545 | 2.531 | 6.8 | 20.1 | 5 31 | 17 12.63 | -18 31.7 | 1.335 | 2.340 | 4.3 | 19.8 |
| 6 10 | 17 2.83 | -6 35.9 | 1.542 | 2.532 | 6.6 | 20.1 | 6 10 | 17 2.48 | -18 19.9 | 1.341 | 2.354 | 2.3 | 19.7 |
| 6 20 | 16 54.87 | -6 6.8 | 1.564 | 2.532 | 8.9 | 20.2 | 6 20 | 16 52.81 | -18 11.8 | 1.372 | 2.367 | 6.6 | 20.0 |
| 6 30 | 16 48.17 | -5 55.8 | 1.609 | 2.534 | 12.0 | 20.4 | 6 30 | 16 44.84 | -18 9.2 | 1.428 | 2.381 | 11.0 | 20.2 |
| 7 10 | 16 43.46 | -6 2.1 | 1.675 | 2.535 | 15.1 | 20.6 | 7 10 | 16 39.40 | -18 13.3 | 1.505 | 2.395 | 14.9 | 20.5 |
| 235792 | 2004 <i>XS</i> ₁₂ | | 6 7.9 190°82 | 0°4/ 7.7 18 | | | 24973 | 1998 <i>GD</i> ₇ | | 6 7.9 19°91 | 2°5/ 7.8 18 | | |
| 5 1 | 17 32.72 | -22 32.2 | 2.582 | 3.390 | 11.7 | 21.6 | 5 1 | 17 30.83 | -13 56.7 | 1.815 | 2.644 | 15.0 | 17.9 |
| 5 11 | 17 27.43 | -22 20.7 | 2.489 | 3.389 | 9.1 | 21.4 | 5 11 | 17 26.65 | -14 23.1 | 1.741 | 2.649 | 11.8 | 17.7 |
| 5 21 | 17 20.27 | -22 6.8 | 2.421 | 3.386 | 6.1 | 21.2 | 5 21 | 17 20.11 | -14 56.6 | 1.687 | 2.654 | 8.1 | 17.5 |
| 5 31 | 17 11.77 | -21 50.5 | 2.379 | 3.383 | 2.7 | 21.0 | 5 31 | 17 11.81 | -15 36.9 | 1.659 | 2.660 | 4.3 | 17.3 |
| 6 10 | 17 2.66 | -21 32.4 | 2.366 | 3.380 | 0.9 | 20.9 | 6 10 | 17 2.70 | -16 23.1 | 1.657 | 2.667 | 2.7 | 17.2 |
| 6 20 | 16 53.71 | -21 13.5 | 2.382 | 3.376 | 4.3 | 21.1 | 6 20 | 16 53.78 | -17 13.6 | 1.681 | 2.674 | 5.9 | 17.4 |
| 6 30 | 16 45.71 | -20 55.4 | 2.426 | 3.371 | 7.5 | 21.3 | 6 30 | 16 46.09 | -18 7.0 | 1.732 | 2.682 | 9.7 | 17.7 |
| 7 10 | 16 39.27 | -20 40.1 | 2.495 | 3.365 | 10.4 | 21.5 | 7 10 | 16 40.41 | -19 2.1 | 1.806 | 2.690 | 13.1 | 17.9 |
| 250134 | 2002 <i>QK</i> ₈₃ | | 6 7.9 180°72 | 0°4/ 7.7 17 | | | 330367 | 2006 <i>WY</i> ₂₈ | | 6 7.9 156°10 | 0°2/ 7.8 17 | | |
| 5 1 | 17 34.97 | -22 42.8 | 1.988 | 2.807 | 14.3 | 21.6 | 5 1 | 17 34.85 | -22 52.1 | 1.962 | 2.782 | 14.4 | 22.0 |
| 5 11 | 17 29.70 | -22 29.1 | 1.904 | 2.808 | 11.1 | 21.4 | 5 11 | 17 29.61 | -22 44.4 | 1.883 | 2.788 | 11.2 | 21.8 |
| 5 21 | 17 22.04 | -22 12.4 | 1.841 | 2.809 | 7.5 | 21.2 | 5 21 | 17 21.98 | -22 34.0 | 1.826 | 2.794 | 7.5 | 21.6 |
| 5 31 | 17 12.63 | -21 52.7 | 1.804 | 2.809 | 3.4 | 21.0 | 5 31 | 17 12.61 | -22 20.6 | 1.794 | 2.799 | 3.4 | 21.3 |
| 6 10 | 17 2.42 | -21 30.5 | 1.794 | 2.809 | 1.1 | 20.8 | 6 10 | 17 2.49 | -22 4.6 | 1.789 | 2.804 | 1.0 | 21.2 |
| 6 20 | 16 52.47 | -21 7.6 | 1.813 | 2.808 | 5.2 | 21.1 | 6 20 | 16 52.67 | -21 47.4 | 1.812 | 2.808 | 5.2 | 21.5 |
| 6 30 | 16 43.80 | -20 46.2 | 1.858 | 2.806 | 9.2 | 21.3 | 6 30 | 16 44.16 | -21 31.0 | 1.862 | 2.812 | 9.1 | 21.7 |
| 7 10 | 16 37.18 | -20 28.7 | 1.927 | 2.804 | 12.7 | 21.5 | 7 10 | 16 37.73 | -21 17.9 | 1.936 | 2.815 | 12.6 | 21.9 |
| 323775 | 2005 <i>QF</i> ₄₈ | | 6 7.9 326°41 | 3°1/ 7.2 18 | | | 424128 | 2007 <i>EY</i> ₁₈₇ | | 6 7.9 13°81 | 8°2/ 5.8 17 | | |
| 5 1 | 17 25.12 | -13 28.7 | 2.448 | 3.271 | 11.8 | 19.7 | 5 1 | 17 25.52 | -10 19.9 | 1.191 | 2.053 | 19.2 | 19.6 |
| 5 11 | 17 21.76 | -13 17.5 | 2.345 | 3.249 | 9.3 | 19.5 | 5 11 | 17 23.33 | -8 50.0 | 1.136 | 2.058 | 15.5 | 19.4 |
| 5 21 | 17 16.65 | -13 9.9 | 2.264 | 3.228 | 6.6 | 19.3 | 5 21 | 17 18.22 | -7 26.9 | 1.100 | 2.064 | 11.7 | 19.2 |
| 5 31 | 17 10.21 | -13 7.3 | 2.209 | 3.206 | 4.0 | 19.1 | 5 31 | 17 11.01 | -6 17.9 | 1.084 | 2.072 | 8.8 | 19.1 |
| 6 10 | 17 3.07 | -13 10.8 | 2.181 | 3.185 | 3.2 | 19.0 | 6 10 | 17 2.96 | -5 29.7 | 1.091 | 2.081 | 8.5 | 19.1 |
| 6 20 | 16 55.95 | -13 20.9 | 2.180 | 3.165 | 5.5 | 19.1 | 6 20 | 16 55.38 | -5 5.8 | 1.119 | 2.092 | 11.1 | 19.2 |
| 6 30 | 16 49.59 | -13 38.2 | 2.206 | 3.145 | 8.5 | 19.3 | 6 30 | 16 49.49 | -5 7.0 | 1.168 | 2.103 | 14.6 | 19.5 |
| 7 10 | 16 44.62 | -14 2.4 | 2.255 | 3.126 | 11.3 | 19.4 | 7 10 | 16 46.11 | -5 30.4 | 1.236 | 2.117 | 18.1 | 19.7 |
| 66672 | 1999 <i>TB</i> ₁₈ | | 6 7.9 169°92 | 2°0/ 8.3 18 | | | 422199 | 2014 <i>RX</i> ₄₄ | | 6 7.9 212°42 | 0°5/ 7.9 14 C | | |
| 5 1 | 17 33.41 | -28 1.5 | 2.026 | 2.842 | 14.1 | 19.3 | 5 1 | 17 36.72 | -24 49.8 | 1.876 | 2.694 | 15.0 | 23.1 |
| 5 11 | 17 28.62 | -28 17.2 | 1.942 | 2.844 | 11.1 | 19.1 | 5 11 | 17 31.42 | -24 45.8 | 1.783 | 2.687 | 11.8 | 22.8 |
| 5 21 | 17 21.39 | -28 27.8 | 1.881 | 2.845 | 7.7 | 18.9 | 5 21 | 17 23.42 | -24 37.5 | 1.712 | 2.679 | 8.0 | 22.6 |
| 5 31 | 17 12.36 | -28 31.4 | 1.844 | 2.846 | 4.0 | 18.7 | 5 31 | 17 13.37 | -24 24.0 | 1.666 | 2.671 | 3.7 | 22.3 |
| 6 10 | 17 2.50 | -28 27.0 | 1.835 | 2.847 | 2.1 | 18.5 | 6 10 | 17 2.30 | -24 5.0 | 1.647 | 2.661 | 1.1 | 22.1 |
| 6 20 | 16 52.85 | -28 15.3 | 1.853 | 2.847 | 5.2 | 18.7 | 6 20 | 16 51.38 | -23 41.9 | 1.656 | 2.651 | 5.5 | 22.4 |
| 6 30 | 16 44.49 | -27 58.4 | 1.897 | 2.847 | 8.9 | 19.0 | 6 30 | 16 41.82 | -23 17.4 | 1.691 | 2.641 | 9.8 | 22.6 |
| 7 10 | 16 38.21 | -27 39.4 | 1.965 | 2.848 | 12.2 | 19.2 | 7 10 | 16 34.53 | -22 54.8 | 1.749 | 2.629 | 13.6 | 22.8 |
| 18306 | 1981 <i>EF</i> ₉ | | 6 7.9 58°14 | 1°5/ 8.2 18 | | | 317812 | 2003 <i>SX</i> ₂₃₃ | | 6 7.9 256°76 | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 341205 | 2007 <i>RO</i> ₁₀₁ | | 6 7.9 234°72 | 2°0/ 7.4 18 | | | 312562 | 2009 <i>HQ</i> ₁ | | 6 7.9 56°46 | 0°4/ 7.9 17 | | |
| 5 1 | 17 30.90 | -17 47.0 | 2.159 | 2.980 | 13.2 | 21.2 | 5 1 | 17 34.72 | -22 56.8 | 1.305 | 2.152 | 18.8 | 20.5 |
| 5 11 | 17 26.42 | -17 34.5 | 2.068 | 2.973 | 10.3 | 21.0 | 5 11 | 17 30.55 | -23 11.3 | 1.246 | 2.166 | 14.6 | 20.3 |
| 5 21 | 17 19.84 | -17 22.9 | 1.999 | 2.966 | 7.0 | 20.8 | 5 21 | 17 23.10 | -23 24.2 | 1.206 | 2.180 | 9.8 | 20.0 |
| 5 31 | 17 11.68 | -17 12.9 | 1.955 | 2.958 | 3.5 | 20.6 | 5 31 | 17 13.26 | -23 33.8 | 1.188 | 2.194 | 4.4 | 19.8 |
| 6 10 | 17 2.76 | -17 5.5 | 1.940 | 2.951 | 2.2 | 20.4 | 6 10 | 17 2.43 | -23 39.3 | 1.194 | 2.209 | 1.2 | 19.6 |
| 6 20 | 16 53.97 | -17 1.5 | 1.951 | 2.943 | 5.4 | 20.6 | 6 20 | 16 52.14 | -23 41.1 | 1.225 | 2.224 | 6.5 | 20.0 |
| 6 30 | 16 46.20 | -17 2.2 | 1.990 | 2.934 | 8.9 | 20.8 | 6 30 | 16 43.79 | -23 41.4 | 1.279 | 2.239 | 11.4 | 20.3 |
| 7 10 | 16 40.17 | -17 8.3 | 2.052 | 2.926 | 12.2 | 21.0 | 7 10 | 16 38.33 | -23 42.9 | 1.355 | 2.254 | 15.6 | 20.6 |
| 177921 | 2005 <i>SE</i> ₂₃₃ | | 6 7.9 321°67 | 1°7/ 8.2 18 | | | 431405 | 2007 <i>GQ</i> ₄₆ | | 6 7.9 169°25 | 6°1/ 7.9 18 | | |
| 5 1 | 17 28.79 | -26 33.7 | 1.812 | 2.646 | 14.9 | 19.2 | 5 1 | 17 41.10 | -35 3.0 | 2.018 | 2.809 | 15.1 | 21.0 |
| 5 11 | 17 25.56 | -26 51.1 | 1.713 | 2.624 | 11.8 | 19.0 | 5 11 | 17 35.23 | -36 35.3 | 1.935 | 2.811 | 12.4 | 20.8 |
| 5 21 | 17 19.72 | -27 4.9 | 1.634 | 2.603 | 8.1 | 18.7 | 5 21 | 17 26.27 | -38 2.1 | 1.874 | 2.813 | 9.4 | 20.6 |
| 5 31 | 17 11.79 | -27 13.3 | 1.579 | 2.583 | 4.1 | 18.4 | 5 31 | 17 14.81 | -39 16.7 | 1.839 | 2.815 | 6.9 | 20.5 |
| 6 10 | 17 2.72 | -27 15.0 | 1.550 | 2.563 | 1.9 | 18.2 | 6 10 | 17 1.96 | -40 13.5 | 1.831 | 2.816 | 6.2 | 20.4 |
| 6 20 | 16 53.64 | -27 10.1 | 1.546 | 2.543 | 5.7 | 18.4 | 6 20 | 16 49.08 | -40 49.6 | 1.850 | 2.817 | 7.8 | 20.5 |
| 6 30 | 16 45.75 | -27 0.3 | 1.568 | 2.525 | 9.9 | 18.6 | 6 30 | 16 37.61 | -41 6.1 | 1.895 | 2.817 | 10.6 | 20.7 |
| 7 10 | 16 40.04 | -26 48.8 | 1.612 | 2.507 | 13.8 | 18.8 | 7 10 | 16 28.70 | -41 7.6 | 1.963 | 2.818 | 13.4 | 20.9 |
| 436186 | 2009 <i>WH</i> ₄₇ | | 6 7.9 168°37 | 4°4/ 6.4 17 | | | 388000 | 2005 <i>QU</i> ₁₁₈ | | 6 7.9 345°00 | 9°6/ 5.8 16 | | |
| 5 1 | 17 31.95 | -11 23.5 | 2.375 | 3.182 | 12.6 | 21.8 | 5 1 | 17 25.83 | - 0 57.8 | 1.705 | 2.522 | 16.3 | 20.3 |
| 5 11 | 17 26.81 | -10 33.0 | 2.295 | 3.187 | 10.0 | 21.7 | 5 11 | 17 22.89 | + 0 4.4 | 1.631 | 2.514 | 13.9 | 20.2 |
| 5 21 | 17 19.85 | - 9 45.7 | 2.238 | 3.191 | 7.3 | 21.5 | 5 21 | 17 17.67 | + 0 53.7 | 1.577 | 2.506 | 11.6 | 20.0 |
| 5 31 | 17 11.61 | - 9 4.2 | 2.208 | 3.195 | 5.0 | 21.4 | 5 31 | 17 10.78 | + 1 24.2 | 1.544 | 2.499 | 9.9 | 19.9 |
| 6 10 | 17 2.82 | - 8 31.1 | 2.205 | 3.198 | 4.6 | 21.3 | 6 10 | 17 3.09 | + 1 31.6 | 1.534 | 2.493 | 9.8 | 19.9 |
| 6 20 | 16 54.26 | - 8 8.3 | 2.231 | 3.200 | 6.6 | 21.5 | 6 20 | 16 55.57 | + 1 14.4 | 1.547 | 2.488 | 11.3 | 19.9 |
| 6 30 | 16 46.68 | - 7 56.9 | 2.283 | 3.202 | 9.3 | 21.6 | 6 30 | 16 49.19 | + 0 33.5 | 1.583 | 2.483 | 13.7 | 20.1 |
| 7 10 | 16 40.67 | - 7 56.9 | 2.359 | 3.203 | 11.9 | 21.8 | 7 10 | 16 44.72 | - 0 27.6 | 1.638 | 2.479 | 16.3 | 20.2 |
| 494979 | 2009 <i>WE</i> ₁₆₅ | | 6 7.9 231°54 | 0°5/ 7.9 18 | | | 263927 | 2009 <i>HD</i> ₂₈ | | 6 7.9 348°44 | 1°6/ 7.6 17 | | |
| 5 1 | 17 34.23 | -23 47.1 | 2.103 | 2.919 | 13.7 | 22.1 | 5 1 | 17 23.55 | -21 29.3 | 1.008 | 1.890 | 20.4 | 20.1 |
| 5 11 | 17 29.26 | -23 59.8 | 2.006 | 2.908 | 10.8 | 21.9 | 5 11 | 17 22.85 | -21 8.5 | 0.938 | 1.878 | 16.0 | 19.8 |
| 5 21 | 17 21.89 | -24 10.7 | 1.930 | 2.897 | 7.3 | 21.7 | 5 21 | 17 18.58 | -20 44.3 | 0.885 | 1.868 | 10.8 | 19.5 |
| 5 31 | 17 12.68 | -24 18.5 | 1.881 | 2.885 | 3.4 | 21.4 | 5 31 | 17 11.46 | -20 18.2 | 0.851 | 1.859 | 5.0 | 19.1 |
| 6 10 | 17 2.50 | -24 22.5 | 1.859 | 2.873 | 1.0 | 21.2 | 6 10 | 17 2.91 | -19 52.6 | 0.838 | 1.852 | 2.2 | 18.9 |
| 6 20 | 16 52.39 | -24 22.8 | 1.865 | 2.860 | 5.0 | 21.5 | 6 20 | 16 54.61 | -19 30.5 | 0.846 | 1.847 | 8.0 | 19.2 |
| 6 30 | 16 43.38 | -24 20.6 | 1.897 | 2.847 | 9.0 | 21.7 | 6 30 | 16 48.27 | -19 15.7 | 0.873 | 1.844 | 13.7 | 19.5 |
| 7 10 | 16 36.33 | -24 18.3 | 1.954 | 2.833 | 12.5 | 21.9 | 7 10 | 16 45.09 | -19 10.7 | 0.919 | 1.842 | 18.8 | 19.8 |
| 475272 | 2005 <i>WK</i> ₁₂₅ | | 6 7.9 358°79 | 7°2/ 3.9 17 | | | 272593 | 2005 <i>VL</i> ₈₉ | | 6 7.9 167°43 | 3°4/ 6.9 17 | | |
| 5 1 | 17 29.22 | -11 10.6 | 1.842 | 2.670 | 14.9 | 19.9 | 5 1 | 17 32.39 | -15 6.0 | 2.087 | 2.905 | 13.7 | 21.9 |
| 5 11 | 17 25.20 | - 8 57.9 | 1.767 | 2.668 | 12.1 | 19.7 | 5 11 | 17 27.48 | -14 25.9 | 2.007 | 2.909 | 10.8 | 21.7 |
| 5 21 | 17 19.00 | - 6 44.8 | 1.715 | 2.666 | 9.2 | 19.5 | 5 21 | 17 20.47 | -13 47.3 | 1.949 | 2.912 | 7.5 | 21.5 |
| 5 31 | 17 11.28 | - 4 38.5 | 1.689 | 2.666 | 7.4 | 19.4 | 5 31 | 17 11.97 | -13 12.2 | 1.918 | 2.915 | 4.4 | 21.3 |
| 6 10 | 17 2.93 | - 2 46.6 | 1.690 | 2.666 | 7.6 | 19.4 | 6 10 | 17 2.82 | -12 43.0 | 1.913 | 2.917 | 3.7 | 21.3 |
| 6 20 | 16 54.88 | - 1 15.0 | 1.718 | 2.666 | 9.8 | 19.5 | 6 20 | 16 53.91 | -12 21.6 | 1.936 | 2.919 | 6.3 | 21.4 |
| 6 30 | 16 48.04 | - 0 7.4 | 1.770 | 2.667 | 12.6 | 19.7 | 6 30 | 16 46.14 | -12 9.6 | 1.986 | 2.920 | 9.5 | 21.6 |
| 7 10 | 16 43.08 | + 0 35.9 | 1.843 | 2.669 | 15.4 | 19.9 | 7 10 | 16 40.17 | -12 7.3 | 2.059 | 2.921 | 12.6 | 21.8 |
| 101215 | 1998 <i>SC</i> ₅₃ | | 6 7.9 129°57 | 1°9/ 8.3 18 | | | 142106 | Nengshun | | 6 7.9 285°85 | 2°0/ 7.7 18 | | |
| 5 1 | 17 32.97 | -27 53.5 | 2.076 | 2.892 | 13.9 | 20.4 | 5 1 | 17 32.62 | -17 36.8 | 1.548 | 2.387 | 16.7 | 20.1 |
| 5 11 | 17 28.21 | -28 9.9 | 1.995 | 2.896 | 10.9 | 20.2 | 5 11 | 17 28.82 | -17 40.2 | 1.456 | 2.371 | 13.2 | 19.9 |
| 5 21 | 17 21.10 | -28 21.4 | 1.936 | 2.900 | 7.5 | 20.0 | 5 21 | 17 22.07 | -17 46.9 | 1.383 | 2.354 | 9.0 | 19.6 |
| 5 31 | 17 12.27 | -28 26.2 | 1.903 | 2.904 | 3.9 | 19.8 | 5 31 | 17 12.95 | -17 57.3 | 1.333 | 2.338 | 4.5 | 19.3 |
| 6 10 | 17 2.65 | -28 23.5 | 1.896 | 2.908 | 2.1 | 19.6 | 6 10 | 17 2.51 | -18 11.6 | 1.309 | 2.322 | 2.4 | 19.1 |
| 6 20 | 16 53.28 | -28 13.7 | 1.917 | 2.911 | 5.1 | 19.9 | 6 20 | 16 52.05 | -18 29.7 | 1.310 | 2.305 | 6.8 | 19.3 |
| 6 30 | 16 45.15 | -27 58.9 | 1.964 | 2.915 | 8.6 | 20.1 | 6 30 | 16 42.94 | -18 52.1 | 1.335 | 2.289 | 11.6 | 19.5 |
| 7 10 | 16 39.03 | -27 42.1 | 2.036 | 2.918 | 11.9 | 20.3 | 7 10 | 16 36.28 | -19 19.4 | 1.382 | 2.273 | 15.9 | 19.7 |
| 316295 | 2010 <i>RD</i> ₄₀ | | 6 7.9 266°16 | 6°4/ 9.7 18 | | | 506884 | 2008 <i>AT</i> ₇₅ | | 6 7.9 149°45 | 2°4/ 7.3 17 | | |
| 5 1 | 17 35.83 | -43 12.5 | 2.619 | 3.378 | 12.8 | 21.1 | 5 1 | 17 29.78 | -15 31.8 | 2.487 | 3.302 | 11.9 | 21.7 |
| 5 11 | 17 30.57 | -43 45.4 | 2.512 | 3.359 | 10.9 | 20.9 | 5 11 | 17 25.16 | -15 16.3 | 2.406 | 3.307 | 9.3 | 21.5 |
| 5 21 | 17 22.80 | -44 6.6 | 2.427 | 3.339 | 8.9 | 20.7 | 5 21 | 17 18.79 | -15 2.8 | 2.348 | 3.312 | 6.4 | 21.3 |
| 5 31 | 17 13.10 | -44 12.0 | 2.365 | 3.318 | 7.1 | 20.6 | 5 31 | 17 11.18 | -14 52.5 | 2.317 | 3.317 | 3.5 | 21.2 |
| 6 10 | 17 2.41 | -43 59.0 | 2.330 | 3.298 | 6.4 | 20.5 | 6 10 | 17 3.04 | -14 46.2 | 2.314 | 3.321 | 2.6 | 21.1 |
| 6 20 | 16 51.81 | -43 27.3 | 2.322 | 3.277 | 7.2 | 20.5 | 6 20 | 16 55.08 | -14 44.7 | 2.339 | 3.325 | 5.0 | 21.3 |
| 6 30 | 16 42.41 | -42 39.5 | 2.339 | 3.256 | 9.2 | 20.6 | 6 30 | 16 48.03 | -14 48.8 | 2.391 | 3.329 | 7.9 | 21.5 |
| 7 10 | 16 35.07 | -41 40.3 | 2.381 | 3.234 | 11.4 | 20.7 | 7 10 | 16 42.47 | -14 58.7 | 2.467 | 3.333 | 10.7 | 21.6 |
| 261359 | 2005 <i>UE</i> ₃₁₄ | | 6 7.9 178°52 | 0°5/ 8.1 17 | | | 497781 | 2006 <i>ST</i> ₃₅₈ | | 6 7.9 252°39 | 2°6/ 7.3 17 | | |
| 5 1 | 17 30.51 | -26 0.7 | 2.573 | 3.384 | 11.6 | 20.6 | 5 1 | 17 33.68 | -17 19.7 | 1.854 | 2.679 | 14.9 | 22.2 |
| 5 11 | 17 25.76 | -25 43.9 | 2.485 | 3.385 | 9.1 | 20.4 | 5 11 | 17 29.10 | -16 57.4 | 1.755 | 2.662 | 11.8 | 22.0 |
| 5 21 | 17 19.20 | -25 22.4 | 2.420 | 3.385 | 6.1 | 20.2 | 5 21 | 17 21.95 | -16 35.6 | 1.676 | 2.643 | 8.1 | 21.7 |
| 5 31 | 17 11.34 | -24 56.1 | 2.381 | 3.386 | 2.8 | 20.0 | 5 31 | 17 12.80 | -16 15.6 | 1.623 | 2.625 | 4.3 | 21.4 |
| 6 10 | 17 2.93 | -24 25.7 | 2.371 | 3.386 | 0.8 | 19.9 | 6 10 | 17 2.58 | -15 58.8 | 1.596 | 2.606 | 2.9 | 21.3 |
| 6 20 | 16 54.73 | -23 52.7 | 2.390 | 3.386 | 4.1 | 20.1 | 6 20 | 16 52.37 | -15 47.1 | 1.596 | 2.586 | 6.4 | 21.5 |
| 6 30 | 16 47.50 | -23 19.4 | 2.436 | 3.385 | 7.3 | 20.3 | 6 30 | 16 43.31 | -15 42.1 | 1.621 | 2.566 | 10.6 | 21.7 |
| 7 10 | 16 41.84 | -22 48.1 | 2.508 | 3.385 | 10.1 | 20.5 | 7 10 | 16 36.33 | -15 45.0 | 1.670 | 2.545 | 14.4 | 21.9 |
| 379313 | 2009 <i>WF</i> ₁₀ | | 6 7.9 235°68 | 3°1/ 7.1 18 | | | 191314 | 2003 <i>HC</i> ₄₄ | | | | | |

EPHEMERIDES

6 7.9

6 7.9

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 314125 | 2005 <i>EL</i> ₁₅₄ | | 6 7.9 73°40 | 4°0/ 7.2 16 | | | 308068 | 2004 <i>TB</i> ₁₈₃ | | 6 7.9 12°86 | 5°2/ 6.6 17 | | |
| 5 1 | 17 34.30 | -15 14.9 | 1.430 | 2.269 | 17.8 | 20.9 | 5 1 | 17 30.60 | -16 30.0 | 1.195 | 2.054 | 19.4 | 19.8 |
| 5 11 | 17 29.64 | -14 39.6 | 1.374 | 2.288 | 13.9 | 20.7 | 5 11 | 17 27.52 | -15 18.5 | 1.130 | 2.055 | 15.3 | 19.6 |
| 5 21 | 17 22.18 | -14 8.0 | 1.339 | 2.307 | 9.6 | 20.5 | 5 21 | 17 21.21 | -14 6.2 | 1.083 | 2.056 | 10.7 | 19.3 |
| 5 31 | 17 12.77 | -13 42.4 | 1.326 | 2.326 | 5.5 | 20.3 | 5 31 | 17 12.51 | -12 58.3 | 1.058 | 2.059 | 6.4 | 19.1 |
| 6 10 | 17 2.65 | -13 25.3 | 1.338 | 2.345 | 4.3 | 20.3 | 6 10 | 17 2.78 | -12 0.4 | 1.056 | 2.061 | 5.5 | 19.0 |
| 6 20 | 16 53.09 | -13 18.4 | 1.376 | 2.364 | 7.6 | 20.5 | 6 20 | 16 53.51 | -11 17.7 | 1.077 | 2.065 | 9.2 | 19.3 |
| 6 30 | 16 45.26 | -13 22.4 | 1.437 | 2.383 | 11.6 | 20.8 | 6 30 | 16 46.07 | -10 53.4 | 1.120 | 2.069 | 13.8 | 19.5 |
| 7 10 | 16 39.92 | -13 37.1 | 1.520 | 2.401 | 15.2 | 21.1 | 7 10 | 16 41.43 | -10 47.8 | 1.182 | 2.073 | 18.0 | 19.8 |
| 379300 | 2009 <i>VL</i> ₇₁ | | 6 7.9 149°58 | 1°6/ 7.4 17 | | | 296048 | 2009 <i>AL</i> ₂₃ | | 6 7.9 34°30 | 1°6/ 8.2 17 | | |
| 5 1 | 17 33.15 | -19 53.2 | 2.142 | 2.960 | 13.4 | 21.7 | 5 1 | 17 33.31 | -26 40.6 | 1.208 | 2.061 | 19.6 | 20.8 |
| 5 11 | 17 28.03 | -19 24.6 | 2.063 | 2.967 | 10.4 | 21.5 | 5 11 | 17 29.89 | -26 42.5 | 1.145 | 2.067 | 15.4 | 20.5 |
| 5 21 | 17 20.81 | -18 54.5 | 2.007 | 2.974 | 7.0 | 21.3 | 5 21 | 17 22.92 | -26 37.5 | 1.100 | 2.074 | 10.5 | 20.3 |
| 5 31 | 17 12.12 | -18 23.9 | 1.977 | 2.981 | 3.4 | 21.1 | 5 31 | 17 13.32 | -26 23.7 | 1.077 | 2.082 | 5.0 | 20.0 |
| 6 10 | 17 2.81 | -17 54.4 | 1.975 | 2.987 | 1.9 | 21.0 | 6 10 | 17 2.57 | -26 1.1 | 1.076 | 2.090 | 1.9 | 19.8 |
| 6 20 | 16 53.79 | -17 27.9 | 2.002 | 2.993 | 5.2 | 21.2 | 6 20 | 16 52.37 | -25 32.1 | 1.099 | 2.099 | 6.9 | 20.1 |
| 6 30 | 16 45.94 | -17 6.4 | 2.055 | 2.998 | 8.7 | 21.4 | 6 30 | 16 44.24 | -25 1.0 | 1.145 | 2.108 | 12.1 | 20.4 |
| 7 10 | 16 39.91 | -16 51.3 | 2.132 | 3.003 | 11.9 | 21.7 | 7 10 | 16 39.22 | -24 32.7 | 1.211 | 2.117 | 16.5 | 20.7 |
| 253233 | 2002 <i>YC</i> ₂₅ | | 6 7.9 100°20 | 0°6/ 7.8 17 | | | 383922 | 2008 <i>SO</i> ₁₆₂ | | 6 7.9 198°44 | 2°6/ 7.2 18 | | |
| 5 1 | 17 34.71 | -21 47.7 | 1.762 | 2.589 | 15.5 | 20.7 | 5 1 | 17 31.71 | -16 8.5 | 2.303 | 3.118 | 12.7 | 21.8 |
| 5 11 | 17 29.66 | -21 41.5 | 1.695 | 2.604 | 12.0 | 20.5 | 5 11 | 17 26.88 | -15 42.9 | 2.214 | 3.116 | 10.0 | 21.6 |
| 5 21 | 17 22.09 | -21 33.6 | 1.649 | 2.618 | 8.0 | 20.3 | 5 21 | 17 20.08 | -15 18.5 | 2.148 | 3.112 | 6.9 | 21.4 |
| 5 31 | 17 12.74 | -21 23.9 | 1.627 | 2.633 | 3.6 | 20.1 | 5 31 | 17 11.85 | -14 56.5 | 2.109 | 3.108 | 3.8 | 21.2 |
| 6 10 | 17 2.66 | -21 12.8 | 1.633 | 2.647 | 1.2 | 19.9 | 6 10 | 17 2.96 | -14 38.5 | 2.097 | 3.104 | 2.8 | 21.2 |
| 6 20 | 16 53.00 | -21 1.6 | 1.665 | 2.661 | 5.5 | 20.3 | 6 20 | 16 54.23 | -14 25.8 | 2.113 | 3.099 | 5.5 | 21.3 |
| 6 30 | 16 44.81 | -20 52.1 | 1.723 | 2.675 | 9.6 | 20.5 | 6 30 | 16 46.48 | -14 19.6 | 2.156 | 3.094 | 8.7 | 21.5 |
| 7 10 | 16 38.86 | -20 46.4 | 1.805 | 2.688 | 13.1 | 20.8 | 7 10 | 16 40.37 | -14 20.7 | 2.223 | 3.088 | 11.7 | 21.7 |
| 162538 | 2000 <i>QQ</i> ₁₆₄ | | 6 7.9 243°54 | 0°6/ 7.7 17 | | | 184735 | 2005 <i>SL</i> ₁₉₂ | | 6 7.9 304°74 | 0°7/ 7.7 18 | | |
| 5 1 | 17 35.24 | -23 3.5 | 1.705 | 2.533 | 15.9 | 20.4 | 5 1 | 17 29.07 | -21 33.3 | 2.019 | 2.848 | 13.7 | 20.0 |
| 5 11 | 17 30.57 | -22 41.7 | 1.610 | 2.519 | 12.5 | 20.2 | 5 11 | 17 25.42 | -21 23.2 | 1.913 | 2.824 | 10.8 | 19.7 |
| 5 21 | 17 23.06 | -22 15.3 | 1.536 | 2.506 | 8.5 | 19.9 | 5 21 | 17 19.47 | -21 11.4 | 1.829 | 2.800 | 7.3 | 19.5 |
| 5 31 | 17 13.33 | -21 44.4 | 1.486 | 2.491 | 3.9 | 19.6 | 5 31 | 17 11.71 | -20 57.8 | 1.770 | 2.776 | 3.4 | 19.2 |
| 6 10 | 17 2.46 | -21 10.1 | 1.462 | 2.476 | 1.3 | 19.4 | 6 10 | 17 2.97 | -20 43.3 | 1.738 | 2.752 | 1.2 | 19.0 |
| 6 20 | 16 51.71 | -20 34.6 | 1.465 | 2.461 | 6.1 | 19.7 | 6 20 | 16 54.22 | -20 28.8 | 1.733 | 2.729 | 5.3 | 19.2 |
| 6 30 | 16 42.35 | -20 1.6 | 1.493 | 2.445 | 10.8 | 19.9 | 6 30 | 16 46.48 | -20 16.4 | 1.753 | 2.705 | 9.4 | 19.4 |
| 7 10 | 16 35.38 | -19 34.4 | 1.544 | 2.428 | 14.9 | 20.1 | 7 10 | 16 40.60 | -20 7.9 | 1.796 | 2.682 | 13.1 | 19.6 |
| 359453 | 2010 <i>NK</i> ₂₉ | | 6 7.9 279°09 | 0°7/ 7.8 18 | | | 323059 | 2002 <i>SZ</i> ₄ | | 6 7.9 229°53 | 3°6/ 7.0 18 | | |
| 5 1 | 17 30.03 | -19 46.5 | 2.354 | 3.173 | 12.3 | 20.6 | 5 1 | 17 32.83 | -15 31.5 | 1.826 | 2.652 | 15.1 | 21.3 |
| 5 11 | 17 25.70 | -20 0.9 | 2.259 | 3.164 | 9.6 | 20.4 | 5 11 | 17 28.30 | -14 55.0 | 1.738 | 2.644 | 11.9 | 21.0 |
| 5 21 | 17 19.38 | -20 16.6 | 2.186 | 3.154 | 6.5 | 20.2 | 5 21 | 17 21.33 | -14 19.8 | 1.671 | 2.636 | 8.3 | 20.8 |
| 5 31 | 17 11.55 | -20 33.0 | 2.139 | 3.144 | 3.0 | 19.9 | 5 31 | 17 12.51 | -13 48.0 | 1.629 | 2.628 | 4.8 | 20.6 |
| 6 10 | 17 2.97 | -20 49.8 | 2.121 | 3.135 | 1.1 | 19.8 | 6 10 | 17 2.78 | -13 22.1 | 1.613 | 2.619 | 3.8 | 20.5 |
| 6 20 | 16 54.43 | -21 6.7 | 2.130 | 3.125 | 4.6 | 20.0 | 6 20 | 16 53.21 | -13 4.3 | 1.624 | 2.610 | 6.9 | 20.6 |
| 6 30 | 16 46.80 | -21 24.1 | 2.167 | 3.116 | 8.1 | 20.2 | 6 30 | 16 44.86 | -12 56.4 | 1.661 | 2.600 | 10.7 | 20.9 |
| 7 10 | 16 40.78 | -21 42.6 | 2.228 | 3.106 | 11.2 | 20.4 | 7 10 | 16 38.57 | -12 58.9 | 1.719 | 2.590 | 14.3 | 21.1 |
| 338826 | 2003 <i>WN</i> ₈₆ | | 6 7.9 215°13 | 0°9/ 8.1 17 | | | 11327 | 1995 <i>SL</i> ₂ | | 6 7.9 225°10 | 6°5/ 6.1 18 | | |
| 5 1 | 17 33.33 | -24 38.6 | 2.357 | 3.168 | 12.6 | 21.2 | 5 1 | 17 30.83 | - 5 10.1 | 2.246 | 3.047 | 13.4 | 18.4 |
| 5 11 | 17 28.31 | -24 59.7 | 2.263 | 3.162 | 9.8 | 21.0 | 5 11 | 17 26.23 | - 4 22.5 | 2.158 | 3.037 | 11.1 | 18.2 |
| 5 21 | 17 21.15 | -25 19.0 | 2.191 | 3.156 | 6.7 | 20.8 | 5 21 | 17 19.68 | - 3 42.5 | 2.091 | 3.028 | 8.7 | 18.0 |
| 5 31 | 17 12.37 | -25 35.0 | 2.145 | 3.149 | 3.2 | 20.6 | 5 31 | 17 11.70 | - 3 13.5 | 2.049 | 3.018 | 6.9 | 17.9 |
| 6 10 | 17 2.77 | -25 46.7 | 2.128 | 3.141 | 1.2 | 20.4 | 6 10 | 17 3.02 | - 2 58.5 | 2.034 | 3.007 | 6.7 | 17.8 |
| 6 20 | 16 53.25 | -25 54.0 | 2.139 | 3.134 | 4.6 | 20.6 | 6 20 | 16 54.44 | - 2 58.9 | 2.045 | 2.996 | 8.3 | 17.9 |
| 6 30 | 16 44.72 | -25 57.8 | 2.177 | 3.126 | 8.1 | 20.8 | 6 30 | 16 46.78 | - 3 15.2 | 2.081 | 2.984 | 10.7 | 18.0 |
| 7 10 | 16 37.94 | -25 59.9 | 2.241 | 3.117 | 11.2 | 21.0 | 7 10 | 16 40.71 | - 3 45.8 | 2.140 | 2.972 | 13.3 | 18.2 |
| 232056 | 2001 <i>UW</i> ₉₄ | | 6 7.9 232°74 | 0°3/ 7.9 18 | | | 509791 | 2008 <i>UY</i> ₂₄₁ | | 6 7.9 291°13 | 9°6/ 4.9 17 | | |
| 5 1 | 17 34.91 | -20 44.8 | 2.114 | 2.929 | 13.7 | 21.4 | 5 1 | 17 29.92 | - 1 31.8 | 1.826 | 2.632 | 15.9 | 21.5 |
| 5 11 | 17 29.80 | -21 2.4 | 2.014 | 2.917 | 10.7 | 21.2 | 5 11 | 17 26.20 | - 0 20.4 | 1.726 | 2.602 | 13.6 | 21.2 |
| 5 21 | 17 22.31 | -21 21.0 | 1.937 | 2.904 | 7.2 | 21.0 | 5 21 | 17 20.08 | + 0 41.8 | 1.646 | 2.572 | 11.4 | 21.0 |
| 5 31 | 17 12.95 | -21 39.4 | 1.886 | 2.891 | 3.3 | 20.7 | 5 31 | 17 12.04 | + 1 28.5 | 1.588 | 2.542 | 9.8 | 20.9 |
| 6 10 | 17 2.60 | -21 56.9 | 1.863 | 2.877 | 1.0 | 20.5 | 6 10 | 17 2.90 | + 1 54.2 | 1.554 | 2.511 | 9.9 | 20.8 |
| 6 20 | 16 52.26 | -22 13.1 | 1.868 | 2.863 | 5.1 | 20.8 | 6 20 | 16 53.65 | + 1 55.4 | 1.544 | 2.480 | 11.6 | 20.8 |
| 6 30 | 16 42.96 | -22 28.4 | 1.900 | 2.848 | 9.0 | 21.0 | 6 30 | 16 45.38 | + 1 31.2 | 1.557 | 2.449 | 14.3 | 20.9 |
| 7 10 | 16 35.58 | -22 44.1 | 1.956 | 2.832 | 12.6 | 21.2 | 7 10 | 16 38.99 | + 0 43.9 | 1.590 | 2.418 | 17.3 | 21.0 |
| 119643 | 2001 <i>XN</i> ₃₀ | | 6 7.9 169°23 | 1°4/ 8.2 18 | | | 470456 | 2007 <i>YA</i> ₆₃ | | 6 7.9 170°52 | 3°1/ 7.2 18 | | |
| 5 1 | 17 35.46 | -27 16.0 | 2.515 | 3.316 | 12.2 | 20.8 | 5 1 | 17 29.91 | -12 41.8 | 2.551 | 3.361 | 11.8 | 22.2 |
| 5 11 | 17 29.71 | -27 27.5 | 2.428 | 3.321 | 9.5 | 20.7 | 5 11 | 17 25.25 | -12 29.6 | 2.467 | 3.363 | 9.3 | 22.0 |
| 5 21 | 17 21.92 | -27 34.8 | 2.365 | 3.326 | 6.5 | 20.5 | 5 21 | 17 18.88 | -12 21.3 | 2.407 | 3.365 | 6.5 | 21.8 |
| 5 31 | 17 12.65 | -27 36.4 | 2.328 | 3.329 | 3.3 | 20.3 | 5 31 | 17 11.29 | -12 18.2 | 2.372 | 3.367 | 4.0 | 21.7 |
| 6 10 | 17 2.72 | -27 31.8 | 2.320 | 3.332 | 1.6 | 20.1 | 6 10 | 17 3.14 | -12 21.0 | 2.366 | 3.368 | 3.3 | 21.6 |
| 6 20 | 16 52.99 | -27 21.4 | 2.341 | 3.335 | 4.4 | 20.4 | 6 20 | 16 55.15 | -12 30.4 | 2.388 | 3.369 | 5.3 | 21.8 |
| 6 30 | 16 44.32 | -27 6.9 | 2.391 | 3.336 | 7.6 | 20.6 | 6 30 | 16 48.01 | -12 46.4 | 2.437 | 3.370 | 8.1 | 21.9 |
| 7 10 | 16 37.38 | -26 50.8 | 2.466 | 3.337 | 10.5 | 20.7 | 7 10 | 16 42.31 | -13 8.7 | 2.513 | 3.371 | 10.7 | 22.1 |
| 205634 | 2001 <i>WA</i> ₂₇ | | 6 7.9 213°58 | 0°7/ 7.8 17 | | | 126278 | 2002 <i>AF</i> | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 410738 | 2009 <i>CM</i> ₄₀ | | 6 7.9 36°03 | 6°8/ 9.3 17 | | | 159333 | 2006 <i>DL</i> ₂₆ | | 6 7.9 273°55 | 1°4/ 7.6 18 | | |
| 5 1 | 17 35.54 | -35 39.8 | 1.188 | 2.027 | 20.8 | 20.4 | 5 1 | 17 31.48 | -20 0.9 | 1.857 | 2.687 | 14.7 | 20.5 |
| 5 11 | 17 32.12 | -36 23.8 | 1.130 | 2.036 | 16.9 | 20.2 | 5 11 | 17 27.38 | -19 48.0 | 1.764 | 2.675 | 11.5 | 20.3 |
| 5 21 | 17 24.67 | -36 53.5 | 1.089 | 2.046 | 12.6 | 20.0 | 5 21 | 17 20.81 | -19 34.5 | 1.693 | 2.664 | 7.8 | 20.0 |
| 5 31 | 17 14.18 | -37 2.5 | 1.067 | 2.057 | 8.6 | 19.8 | 5 31 | 17 12.35 | -19 20.6 | 1.647 | 2.652 | 3.7 | 19.7 |
| 6 10 | 17 2.39 | -36 47.2 | 1.068 | 2.068 | 6.8 | 19.7 | 6 10 | 17 2.94 | -19 7.4 | 1.627 | 2.640 | 1.8 | 19.6 |
| 6 20 | 16 51.27 | -36 9.4 | 1.092 | 2.080 | 9.0 | 19.9 | 6 20 | 16 53.62 | -18 56.2 | 1.634 | 2.628 | 5.7 | 19.8 |
| 6 30 | 16 42.59 | -35 15.5 | 1.137 | 2.092 | 13.0 | 20.1 | 6 30 | 16 45.50 | -18 48.6 | 1.666 | 2.617 | 9.9 | 20.0 |
| 7 10 | 16 37.48 | -34 14.8 | 1.203 | 2.105 | 16.9 | 20.4 | 7 10 | 16 39.43 | -18 46.4 | 1.721 | 2.605 | 13.6 | 20.2 |
| 174359 | 2002 <i>TO</i> ₂₉₂ | | 6 7.9 264°71 | 6°1/ 8.5 18 | | | 37286 | 2000 <i>YL</i> ₁₀₁ | | 6 7.9 129°23 | 5°5/ 7.5 18 | | |
| 5 1 | 17 36.59 | -37 25.5 | 2.199 | 2.987 | 14.1 | 20.5 | 5 1 | 17 30.83 | -3 40.6 | 2.535 | 3.324 | 12.4 | 17.4 |
| 5 11 | 17 31.61 | -38 31.4 | 2.102 | 2.974 | 11.7 | 20.3 | 5 11 | 17 25.92 | -3 38.6 | 2.456 | 3.329 | 10.2 | 17.2 |
| 5 21 | 17 23.83 | -39 30.0 | 2.026 | 2.960 | 9.1 | 20.1 | 5 21 | 17 19.32 | -3 46.5 | 2.400 | 3.335 | 7.9 | 17.1 |
| 5 31 | 17 13.78 | -40 16.1 | 1.975 | 2.947 | 6.9 | 19.9 | 5 31 | 17 11.52 | -4 6.1 | 2.370 | 3.340 | 6.0 | 17.0 |
| 6 10 | 17 2.45 | -40 45.3 | 1.950 | 2.933 | 6.1 | 19.9 | 6 10 | 17 3.18 | -4 38.2 | 2.367 | 3.345 | 5.5 | 16.9 |
| 6 20 | 16 51.04 | -40 56.0 | 1.951 | 2.918 | 7.5 | 19.9 | 6 20 | 16 55.01 | -5 22.2 | 2.391 | 3.350 | 6.8 | 17.0 |
| 6 30 | 16 40.86 | -40 49.5 | 1.979 | 2.904 | 10.1 | 20.0 | 6 30 | 16 47.69 | -6 16.7 | 2.443 | 3.355 | 9.0 | 17.2 |
| 7 10 | 16 32.94 | -40 30.1 | 2.029 | 2.890 | 12.8 | 20.2 | 7 10 | 16 41.79 | -7 19.6 | 2.519 | 3.359 | 11.3 | 17.3 |
| 408210 | 2013 <i>EW</i> ₅₉ | | 6 7.9 128°71 | 2°9/ 7.4 16 | | | 123527 | 2000 <i>XQ</i> ₁₂ | | 6 7.9 57°72 | 5°2/ 7.9 17 | | |
| 5 1 | 17 35.17 | -17 36.7 | 1.420 | 2.259 | 17.9 | 21.9 | 5 1 | 17 38.15 | -31 31.1 | 1.775 | 2.587 | 16.0 | 19.2 |
| 5 11 | 17 30.67 | -17 11.6 | 1.350 | 2.265 | 14.0 | 21.6 | 5 11 | 17 33.10 | -32 57.1 | 1.699 | 2.592 | 12.9 | 19.0 |
| 5 21 | 17 23.14 | -16 47.8 | 1.300 | 2.270 | 9.6 | 21.4 | 5 21 | 17 24.94 | -34 19.1 | 1.644 | 2.597 | 9.5 | 18.8 |
| 5 31 | 17 13.37 | -16 26.8 | 1.272 | 2.275 | 4.9 | 21.1 | 5 31 | 17 14.33 | -35 31.0 | 1.614 | 2.603 | 6.3 | 18.6 |
| 6 10 | 17 2.61 | -16 10.4 | 1.270 | 2.280 | 3.2 | 21.0 | 6 10 | 17 2.41 | -36 27.4 | 1.611 | 2.608 | 5.3 | 18.6 |
| 6 20 | 16 52.24 | -16 0.7 | 1.292 | 2.285 | 7.3 | 21.3 | 6 20 | 16 50.59 | -37 5.6 | 1.634 | 2.614 | 7.4 | 18.7 |
| 6 30 | 16 43.57 | -15 59.2 | 1.339 | 2.289 | 11.8 | 21.6 | 6 30 | 16 40.30 | -37 26.6 | 1.682 | 2.620 | 10.7 | 18.9 |
| 7 10 | 16 37.53 | -16 6.8 | 1.407 | 2.293 | 15.9 | 21.8 | 7 10 | 16 32.65 | -37 34.4 | 1.753 | 2.626 | 14.0 | 19.1 |
| 62478 | 2000 <i>SK</i> ₂₁₉ | | 6 7.9 291°55 | 2°6/ 7.7 18 | | | 345927 | 2007 <i>RC</i> ₂₃₃ | | 6 7.9 243°30 | 0°1/ 7.9 18 | | |
| 5 1 | 17 31.88 | -15 35.6 | 1.730 | 2.561 | 15.5 | 19.1 | 5 1 | 17 32.57 | -22 47.2 | 2.365 | 3.178 | 12.5 | 21.6 |
| 5 11 | 17 27.85 | -15 41.5 | 1.640 | 2.551 | 12.3 | 18.8 | 5 11 | 17 27.77 | -22 54.9 | 2.262 | 3.164 | 9.8 | 21.4 |
| 5 21 | 17 21.21 | -15 52.3 | 1.571 | 2.540 | 8.5 | 18.6 | 5 21 | 17 20.85 | -23 1.3 | 2.183 | 3.149 | 6.6 | 21.2 |
| 5 31 | 17 12.54 | -16 8.7 | 1.527 | 2.529 | 4.4 | 18.3 | 5 31 | 17 12.33 | -23 5.7 | 2.129 | 3.134 | 3.0 | 20.9 |
| 6 10 | 17 2.81 | -16 30.6 | 1.508 | 2.518 | 2.8 | 18.2 | 6 10 | 17 2.96 | -23 7.6 | 2.104 | 3.118 | 0.8 | 20.7 |
| 6 20 | 16 53.12 | -16 57.8 | 1.515 | 2.508 | 6.4 | 18.4 | 6 20 | 16 53.61 | -23 7.4 | 2.107 | 3.102 | 4.6 | 21.0 |
| 6 30 | 16 44.65 | -17 30.2 | 1.547 | 2.497 | 10.6 | 18.6 | 6 30 | 16 45.20 | -23 6.1 | 2.137 | 3.085 | 8.2 | 21.2 |
| 7 10 | 16 38.34 | -18 7.2 | 1.602 | 2.487 | 14.4 | 18.8 | 7 10 | 16 38.46 | -23 5.4 | 2.192 | 3.068 | 11.4 | 21.3 |
| 471856 | 2013 <i>AL</i> ₄ | | 6 7.9 109°36 | 1°6/ 8.5 18 | | | 285725 | 2000 <i>SC</i> ₃₁₇ | | 6 7.9 210°89 | 2°0/ 7.2 18 | | |
| 5 1 | 17 31.89 | -29 21.2 | 2.350 | 3.159 | 12.7 | 20.9 | 5 1 | 17 33.14 | -18 52.9 | 2.500 | 3.309 | 12.0 | 22.0 |
| 5 11 | 17 27.04 | -29 7.7 | 2.270 | 3.167 | 9.9 | 20.7 | 5 11 | 17 27.88 | -18 15.9 | 2.402 | 3.301 | 9.4 | 21.8 |
| 5 21 | 17 20.17 | -28 47.4 | 2.212 | 3.174 | 6.8 | 20.5 | 5 21 | 17 20.73 | -17 37.3 | 2.328 | 3.293 | 6.4 | 21.6 |
| 5 31 | 17 11.88 | -28 19.4 | 2.181 | 3.182 | 3.5 | 20.3 | 5 31 | 17 12.19 | -16 58.1 | 2.281 | 3.283 | 3.3 | 21.4 |
| 6 10 | 17 3.03 | -27 44.3 | 2.177 | 3.189 | 1.7 | 20.2 | 6 10 | 17 3.01 | -16 20.2 | 2.263 | 3.273 | 2.2 | 21.3 |
| 6 20 | 16 54.49 | -27 4.0 | 2.201 | 3.196 | 4.5 | 20.4 | 6 20 | 16 53.97 | -15 45.5 | 2.274 | 3.262 | 5.0 | 21.5 |
| 6 30 | 16 47.09 | -26 21.2 | 2.253 | 3.203 | 7.7 | 20.6 | 6 30 | 16 45.86 | -15 16.3 | 2.313 | 3.250 | 8.2 | 21.7 |
| 7 10 | 16 41.47 | -25 39.4 | 2.329 | 3.210 | 10.7 | 20.8 | 7 10 | 16 39.32 | -14 54.0 | 2.377 | 3.238 | 11.2 | 21.8 |
| 323202 | 2003 <i>RS</i> ₁₈ | | 6 7.9 226°94 | 3°1/ 8.6 17 | | | 270478 | 2002 <i>EM</i> ₂₁ | | 6 7.9 54°53 | 0°4/ 7.9 17 | | |
| 5 1 | 17 38.52 | -31 18.0 | 2.067 | 2.868 | 14.4 | 22.0 | 5 1 | 17 35.16 | -22 57.4 | 1.507 | 2.343 | 17.2 | 20.6 |
| 5 11 | 17 32.90 | -31 32.3 | 1.965 | 2.855 | 11.6 | 21.8 | 5 11 | 17 30.34 | -23 13.0 | 1.456 | 2.369 | 13.3 | 20.5 |
| 5 21 | 17 24.53 | -31 39.1 | 1.885 | 2.841 | 8.2 | 21.5 | 5 21 | 17 22.69 | -23 26.9 | 1.425 | 2.396 | 8.8 | 20.3 |
| 5 31 | 17 14.04 | -31 35.5 | 1.830 | 2.826 | 4.8 | 21.3 | 5 31 | 17 13.09 | -23 37.4 | 1.418 | 2.424 | 4.0 | 20.0 |
| 6 10 | 17 2.44 | -31 19.8 | 1.802 | 2.810 | 3.1 | 21.1 | 6 10 | 17 2.81 | -23 44.0 | 1.436 | 2.451 | 1.1 | 19.9 |
| 6 20 | 16 50.92 | -30 52.3 | 1.803 | 2.794 | 5.8 | 21.3 | 6 20 | 16 53.13 | -23 47.2 | 1.481 | 2.479 | 5.8 | 20.3 |
| 6 30 | 16 40.69 | -30 16.2 | 1.830 | 2.776 | 9.5 | 21.5 | 6 30 | 16 45.20 | -23 48.7 | 1.550 | 2.506 | 10.1 | 20.6 |
| 7 10 | 16 32.73 | -29 36.1 | 1.882 | 2.758 | 13.0 | 21.6 | 7 10 | 16 39.81 | -23 50.9 | 1.641 | 2.534 | 13.7 | 20.9 |
| 405664 | 2005 <i>UE</i> ₁₄₀ | | 6 7.9 323°53 | 5°5/ 6.5 17 | | | 338521 | 2003 <i>QV</i> ₈₁ | | 6 7.9 257°78 | 6°2/ 6.6 18 | | |
| 5 1 | 17 25.67 | -17 19.9 | 1.004 | 1.883 | 20.7 | 20.8 | 5 1 | 17 30.94 | -6 20.5 | 2.104 | 2.911 | 14.0 | 20.9 |
| 5 11 | 17 24.65 | -16 12.2 | 0.924 | 1.861 | 16.6 | 20.5 | 5 11 | 17 26.56 | -5 47.3 | 2.009 | 2.895 | 11.5 | 20.7 |
| 5 21 | 17 19.97 | -15 0.0 | 0.861 | 1.840 | 11.7 | 20.1 | 5 21 | 17 20.08 | -5 22.1 | 1.935 | 2.879 | 8.9 | 20.5 |
| 5 31 | 17 12.28 | -13 48.5 | 0.817 | 1.820 | 6.9 | 19.8 | 5 31 | 17 11.99 | -5 8.1 | 1.887 | 2.863 | 6.7 | 20.4 |
| 6 10 | 17 2.91 | -12 44.7 | 0.794 | 1.801 | 5.9 | 19.6 | 6 10 | 17 3.06 | -5 7.9 | 1.864 | 2.846 | 6.3 | 20.3 |
| 6 20 | 16 53.57 | -11 55.6 | 0.791 | 1.784 | 10.5 | 19.8 | 6 20 | 16 54.16 | -5 22.5 | 1.867 | 2.829 | 8.2 | 20.4 |
| 6 30 | 16 46.07 | -11 27.0 | 0.807 | 1.767 | 16.1 | 20.0 | 6 30 | 16 46.21 | -5 52.0 | 1.896 | 2.812 | 11.0 | 20.5 |
| 7 10 | 16 41.78 | -11 20.8 | 0.840 | 1.752 | 21.3 | 20.3 | 7 10 | 16 39.95 | -6 34.8 | 1.947 | 2.795 | 13.8 | 20.7 |
| 428112 | 2006 <i>RA</i> ₅₆ | | 6 7.9 256°95 | 0°4/ 7.9 17 | | | 364155 | 2006 <i>GA</i> ₅₅ | | 6 7.9 34°73 | 2°1/ 7.7 17 | | |
| 5 1 | 17 35.16 | -23 51.1 | 1.830 | 2.653 | 15.2 | 22.3 | 5 1 | 17 31.99 | -18 27.1 | 1.121 | 1.982 | 20.2 | 20.9 |
| 5 11 | 17 30.52 | -23 55.7 | 1.727 | 2.634 | 12.0 | 22.0 | 5 11 | 17 28.81 | -18 24.5 | 1.066 | 1.993 | 15.8 | 20.7 |
| 5 21 | 17 23.11 | -23 57.8 | 1.646 | 2.615 | 8.1 | 21.7 | 5 21 | 17 22.19 | -18 24.8 | 1.028 | 2.005 | 10.6 | 20.4 |
| 5 31 | 17 13.48 | -23 56.0 | 1.589 | 2.595 | 3.8 | 21.4 | 5 31 | 17 13.03 | -18 28.3 | 1.012 | 2.018 | 5.1 | 20.2 |
| 6 10 | 17 2.62 | -23 49.8 | 1.559 | 2.574 | 1.0 | 21.2 | 6 10 | 17 2.81 | -18 35.5 | 1.018 | 2.031 | 2.5 | 20.1 |
| 6 20 | 16 51.72 | -23 39.7 | 1.556 | 2.553 | 5.7 | 21.5 | 6 20 | 16 53.15 | -18 46.8 | 1.047 | 2.045 | 7.5 | 20.4 |
| 6 30 | 16 42.06 | -23 27.8 | 1.579 | 2.531 | 10.2 | 21.7 | 6 30 | 16 45.53 | -19 3.1 | 1.098 | 2.060 | 12.6 | 20.7 |
| 7 10 | 16 34.65 | -23 17.0 | 1.625 | 2.509 | 14.3 | 21.9 | 7 10 | 16 40.94 | -19 24.9 | 1.169 | 2.076 | 17.0 | 21.0 |
| 314338 | 2005 <i>TL</i> ₅₁ | | 6 7.9 191°35 | 6°6/ 4.6 17 | | | 352451 | 2008 <i>AU</i> ₆₅ | | 6 | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|----------|---------|------|
| 508334 | 2015 <i>MK</i> ₁₀₄ | | 6 7.9 35°76 | 9.4/ 8.7 | 17 | | 148347 | 2000 <i>RC</i> ₂₄ | | 6 7.9 192°22 | 2.9/ 8.8 | 18 | |
| 5 1 | 17 32.84 | + 5 17.0 | 1.929 | 2.701 | 16.3 | 20.5 | 5 1 | 17 32.79 | -33 33.2 | 3.053 | 3.839 | 10.6 | 20.8 |
| 5 11 | 17 27.91 | + 5 18.3 | 1.865 | 2.712 | 14.1 | 20.3 | 5 11 | 17 27.50 | -33 50.2 | 2.959 | 3.837 | 8.5 | 20.7 |
| 5 21 | 17 20.83 | + 5 0.0 | 1.820 | 2.723 | 11.8 | 20.2 | 5 21 | 17 20.42 | -34 0.7 | 2.887 | 3.834 | 6.2 | 20.5 |
| 5 31 | 17 12.24 | + 4 18.7 | 1.797 | 2.734 | 10.0 | 20.1 | 5 31 | 17 12.06 | -34 2.8 | 2.843 | 3.831 | 3.9 | 20.3 |
| 6 10 | 17 3.03 | + 3 13.5 | 1.799 | 2.746 | 9.4 | 20.1 | 6 10 | 17 3.10 | -33 55.9 | 2.826 | 3.827 | 2.9 | 20.3 |
| 6 20 | 16 54.12 | + 1 46.5 | 1.827 | 2.758 | 10.4 | 20.2 | 6 20 | 16 54.27 | -33 40.0 | 2.839 | 3.823 | 4.4 | 20.4 |
| 6 30 | 16 46.40 | + 0 1.9 | 1.879 | 2.771 | 12.3 | 20.3 | 6 30 | 16 46.32 | -33 17.0 | 2.880 | 3.819 | 6.8 | 20.5 |
| 7 10 | 16 40.55 | - 1 54.7 | 1.955 | 2.784 | 14.5 | 20.5 | 7 10 | 16 39.84 | -32 49.4 | 2.947 | 3.814 | 9.1 | 20.7 |
| 202804 | 2008 <i>RO</i> ₁₁₆ | | 6 7.9 274°90 | 2.1/ 7.4 | 17 | | 502909 | 2015 <i>EY</i> ₁₂ | | 6 7.9 245°49 | 1.3/ 8.1 | 17 | |
| 5 1 | 17 30.86 | -19 15.2 | 1.890 | 2.720 | 14.5 | 20.8 | 5 1 | 17 35.20 | -24 58.3 | 1.816 | 2.639 | 15.3 | 21.9 |
| 5 11 | 17 26.71 | -18 43.7 | 1.806 | 2.716 | 11.3 | 20.6 | 5 11 | 17 30.54 | -25 23.6 | 1.723 | 2.629 | 12.1 | 21.7 |
| 5 21 | 17 20.23 | -18 10.8 | 1.743 | 2.713 | 7.7 | 20.3 | 5 21 | 17 23.11 | -25 47.0 | 1.651 | 2.618 | 8.2 | 21.5 |
| 5 31 | 17 12.04 | -17 38.1 | 1.705 | 2.709 | 3.8 | 20.1 | 5 31 | 17 13.49 | -26 6.4 | 1.604 | 2.607 | 4.0 | 21.2 |
| 6 10 | 17 3.07 | -17 7.3 | 1.694 | 2.705 | 2.4 | 20.0 | 6 10 | 17 2.70 | -26 20.0 | 1.583 | 2.596 | 1.6 | 21.0 |
| 6 20 | 16 54.31 | -16 40.8 | 1.710 | 2.702 | 5.9 | 20.2 | 6 20 | 16 51.95 | -26 27.2 | 1.589 | 2.585 | 5.7 | 21.2 |
| 6 30 | 16 46.75 | -16 20.7 | 1.751 | 2.698 | 9.7 | 20.4 | 6 30 | 16 42.49 | -26 29.6 | 1.620 | 2.573 | 10.0 | 21.4 |
| 7 10 | 16 41.17 | -16 8.6 | 1.815 | 2.695 | 13.2 | 20.6 | 7 10 | 16 35.33 | -26 29.6 | 1.675 | 2.561 | 13.8 | 21.7 |
| 325002 | 2008 <i>BL</i> ₃₁ | | 6 7.9 107°30 | 0.1/ 7.9 | 17 | | 293671 | 2007 <i>PX</i> ₂₂ | | 6 7.9 310°01 | 1.8/ 8.1 | 18 | |
| 5 1 | 17 35.71 | -23 47.9 | 1.671 | 2.499 | 16.2 | 21.8 | 5 1 | 17 31.01 | -24 39.0 | 1.213 | 2.070 | 19.2 | 20.2 |
| 5 11 | 17 30.70 | -23 44.8 | 1.602 | 2.511 | 12.6 | 21.6 | 5 11 | 17 28.83 | -25 9.4 | 1.117 | 2.042 | 15.4 | 19.8 |
| 5 21 | 17 22.97 | -23 38.3 | 1.554 | 2.523 | 8.4 | 21.3 | 5 21 | 17 22.93 | -25 39.6 | 1.040 | 2.015 | 10.7 | 19.5 |
| 5 31 | 17 13.27 | -23 27.7 | 1.530 | 2.535 | 3.8 | 21.1 | 5 31 | 17 13.77 | -26 6.7 | 0.983 | 1.988 | 5.3 | 19.1 |
| 6 10 | 17 2.77 | -23 13.3 | 1.532 | 2.547 | 1.0 | 20.9 | 6 10 | 17 2.56 | -26 27.6 | 0.948 | 1.962 | 2.2 | 18.8 |
| 6 20 | 16 52.68 | -22 56.5 | 1.561 | 2.558 | 5.6 | 21.3 | 6 20 | 16 51.02 | -26 40.6 | 0.936 | 1.936 | 7.7 | 19.0 |
| 6 30 | 16 44.18 | -22 39.8 | 1.616 | 2.570 | 9.9 | 21.5 | 6 30 | 16 41.09 | -26 47.0 | 0.946 | 1.911 | 13.7 | 19.3 |
| 7 10 | 16 38.08 | -22 26.0 | 1.693 | 2.580 | 13.7 | 21.8 | 7 10 | 16 34.40 | -26 50.4 | 0.975 | 1.887 | 19.0 | 19.5 |
| 358889 | 2008 <i>GL</i> ₃₆ | | 6 7.9 145°22 | 0°/ 7.7 | 17 | | 202305 | 2005 <i>CX</i> ₇₈ | | 6 7.9 131°08 | 2.9/ 7.1 | 17 | |
| 5 1 | 17 30.55 | -22 15.6 | 2.674 | 3.485 | 11.2 | 21.2 | 5 1 | 17 31.76 | -15 11.2 | 2.341 | 3.154 | 12.6 | 21.0 |
| 5 11 | 17 25.78 | -22 25.2 | 2.590 | 3.491 | 8.7 | 21.1 | 5 11 | 17 26.75 | -14 39.8 | 2.267 | 3.166 | 9.8 | 20.8 |
| 5 21 | 17 19.28 | -22 34.0 | 2.530 | 3.496 | 5.8 | 20.9 | 5 21 | 17 19.91 | -14 10.2 | 2.217 | 3.179 | 6.8 | 20.6 |
| 5 31 | 17 11.53 | -22 41.2 | 2.497 | 3.502 | 2.6 | 20.7 | 5 31 | 17 11.81 | -13 44.0 | 2.193 | 3.190 | 3.9 | 20.5 |
| 6 10 | 17 3.22 | -22 46.7 | 2.492 | 3.507 | 0.7 | 20.5 | 6 10 | 17 3.19 | -13 22.9 | 2.197 | 3.201 | 3.1 | 20.4 |
| 6 20 | 16 55.07 | -22 50.8 | 2.516 | 3.512 | 4.0 | 20.8 | 6 20 | 16 54.85 | -13 8.3 | 2.229 | 3.212 | 5.5 | 20.6 |
| 6 30 | 16 47.80 | -22 54.1 | 2.569 | 3.516 | 7.0 | 21.0 | 6 30 | 16 47.53 | -13 1.0 | 2.288 | 3.223 | 8.5 | 20.8 |
| 7 10 | 16 41.99 | -22 58.0 | 2.646 | 3.521 | 9.7 | 21.2 | 7 10 | 16 41.82 | -13 1.7 | 2.371 | 3.232 | 11.2 | 21.0 |
| 256918 | 2008 <i>EA</i> ₆ | | 6 7.9 130°19 | 4.9/ 8.8 | 16 | | 296043 | 2009 <i>AW</i> ₁₁ | | 6 7.9 49°25 | 3.7/ 8.8 | 17 | |
| 5 1 | 17 40.63 | -34 29.7 | 1.949 | 2.745 | 15.4 | 21.5 | 5 1 | 17 35.77 | -31 35.1 | 1.324 | 2.160 | 19.1 | 19.8 |
| 5 11 | 17 34.55 | -35 16.5 | 1.878 | 2.759 | 12.4 | 21.3 | 5 11 | 17 31.77 | -31 40.9 | 1.255 | 2.165 | 15.3 | 19.5 |
| 5 21 | 17 25.58 | -35 54.4 | 1.827 | 2.773 | 9.2 | 21.1 | 5 21 | 17 24.21 | -31 35.2 | 1.205 | 2.171 | 10.8 | 19.3 |
| 5 31 | 17 14.49 | -36 18.9 | 1.802 | 2.787 | 6.1 | 21.0 | 5 31 | 17 13.99 | -31 14.7 | 1.177 | 2.176 | 6.1 | 19.0 |
| 6 10 | 17 2.45 | -36 27.0 | 1.803 | 2.799 | 4.9 | 20.9 | 6 10 | 17 2.62 | -30 38.5 | 1.172 | 2.182 | 3.7 | 18.9 |
| 6 20 | 16 50.77 | -36 18.8 | 1.831 | 2.812 | 6.7 | 21.1 | 6 20 | 16 51.79 | -29 49.4 | 1.192 | 2.188 | 7.1 | 19.1 |
| 6 30 | 16 40.72 | -35 57.2 | 1.885 | 2.823 | 9.8 | 21.3 | 6 30 | 16 43.05 | -28 53.4 | 1.235 | 2.194 | 11.7 | 19.4 |
| 7 10 | 16 33.19 | -35 27.5 | 1.963 | 2.834 | 12.8 | 21.5 | 7 10 | 16 37.44 | -27 57.5 | 1.299 | 2.200 | 16.0 | 19.6 |
| 127554 | 2002 <i>YW</i> ₉ | | 6 7.9 197°18 | 1.7/ 7.7 | 18 | | 313926 | 2004 <i>RM</i> ₅₉ | | 6 7.9 294°63 | 8.7/ 4.8 | 18 | |
| 5 1 | 17 34.17 | -17 35.5 | 1.822 | 2.647 | 15.1 | 20.2 | 5 1 | 17 27.17 | + 0 56.4 | 2.296 | 3.085 | 13.5 | 20.3 |
| 5 11 | 17 29.43 | -17 43.8 | 1.738 | 2.646 | 11.9 | 19.9 | 5 11 | 17 23.48 | + 2 0.7 | 2.203 | 3.063 | 11.7 | 20.2 |
| 5 21 | 17 22.16 | -17 55.1 | 1.676 | 2.644 | 8.0 | 19.7 | 5 21 | 17 17.95 | + 2 55.0 | 2.131 | 3.042 | 10.0 | 20.0 |
| 5 31 | 17 12.97 | -18 9.1 | 1.639 | 2.642 | 3.9 | 19.4 | 5 31 | 17 11.02 | + 3 34.4 | 2.082 | 3.020 | 8.8 | 19.9 |
| 6 10 | 17 2.84 | -18 25.8 | 1.628 | 2.640 | 2.0 | 19.3 | 6 10 | 17 3.38 | + 3 55.1 | 2.058 | 2.998 | 8.9 | 19.9 |
| 6 20 | 16 52.86 | -18 45.0 | 1.644 | 2.638 | 5.8 | 19.5 | 6 20 | 16 55.76 | + 3 55.1 | 2.059 | 2.977 | 10.1 | 19.9 |
| 6 30 | 16 44.15 | -19 6.9 | 1.686 | 2.636 | 9.9 | 19.8 | 6 30 | 16 48.94 | + 3 34.0 | 2.083 | 2.955 | 12.1 | 20.0 |
| 7 10 | 16 37.56 | -19 31.9 | 1.752 | 2.633 | 13.6 | 20.0 | 7 10 | 16 43.59 | + 2 53.9 | 2.128 | 2.934 | 14.2 | 20.1 |
| 480278 | 2015 <i>HT</i> ₉₄ | | 6 7.9 310°78 | 3.6/ 7.2 | 16 | | 475212 | 2005 <i>VA</i> ₃₇ | | 6 7.9 285°00 | 1.4/ 8.2 | 18 | |
| 5 1 | 17 28.84 | -15 1.5 | 1.776 | 2.612 | 15.0 | 21.3 | 5 1 | 17 30.79 | -26 44.2 | 2.281 | 3.097 | 12.8 | 21.5 |
| 5 11 | 17 25.41 | -14 35.5 | 1.684 | 2.596 | 11.9 | 21.0 | 5 11 | 17 26.58 | -26 54.7 | 2.177 | 3.079 | 10.1 | 21.3 |
| 5 21 | 17 19.54 | -14 12.1 | 1.613 | 2.581 | 8.4 | 20.8 | 5 21 | 17 20.18 | -27 1.4 | 2.095 | 3.060 | 6.9 | 21.0 |
| 5 31 | 17 11.82 | -13 53.3 | 1.566 | 2.566 | 4.8 | 20.5 | 5 31 | 17 12.09 | -27 3.0 | 2.038 | 3.041 | 3.5 | 20.8 |
| 6 10 | 17 3.13 | -13 41.2 | 1.545 | 2.551 | 3.8 | 20.4 | 6 10 | 17 3.10 | -26 58.7 | 2.009 | 3.022 | 1.5 | 20.6 |
| 6 20 | 16 54.51 | -13 37.5 | 1.549 | 2.537 | 6.9 | 20.6 | 6 20 | 16 54.13 | -26 49.0 | 2.007 | 3.003 | 4.8 | 20.8 |
| 6 30 | 16 47.02 | -13 43.3 | 1.577 | 2.523 | 10.8 | 20.8 | 6 30 | 16 46.13 | -26 35.4 | 2.033 | 2.984 | 8.3 | 21.0 |
| 7 10 | 16 41.54 | -13 58.8 | 1.628 | 2.509 | 14.4 | 21.0 | 7 10 | 16 39.89 | -26 20.5 | 2.082 | 2.965 | 11.6 | 21.2 |
| 349295 | 2007 <i>TZ</i> ₄₂₆ | | 6 7.9 220°78 | 2.0/ 8.5 | 17 | | 385366 | 2002 <i>PH</i> ₁₇₅ | | 6 7.9 286°16 | 1.4/ 7.8 | 18 | |
| 5 1 | 17 32.50 | -29 0.4 | 2.212 | 3.024 | 13.2 | 21.5 | 5 1 | 17 31.45 | -18 31.3 | 1.940 | 2.767 | 14.3 | 21.0 |
| 5 11 | 17 27.84 | -29 4.6 | 2.122 | 3.021 | 10.5 | 21.3 | 5 11 | 17 27.21 | -18 37.8 | 1.853 | 2.762 | 11.2 | 20.7 |
| 5 21 | 17 20.93 | -29 2.7 | 2.055 | 3.017 | 7.2 | 21.1 | 5 21 | 17 20.63 | -18 46.1 | 1.788 | 2.757 | 7.5 | 20.5 |
| 5 31 | 17 12.36 | -28 53.2 | 2.013 | 3.013 | 3.8 | 20.9 | 5 31 | 17 12.29 | -18 56.4 | 1.748 | 2.752 | 3.6 | 20.3 |
| 6 10 | 17 3.01 | -28 35.8 | 1.998 | 3.009 | 2.0 | 20.7 | 6 10 | 17 3.07 | -19 8.4 | 1.734 | 2.747 | 1.7 | 20.1 |
| 6 20 | 16 53.85 | -28 11.5 | 2.010 | 3.005 | 4.9 | 20.9 | 6 20 | 16 53.97 | -19 22.3 | 1.748 | 2.742 | 5.4 | 20.3 |
| 6 30 | 16 45.85 | -27 42.6 | 2.050 | 3.001 | 8.3 | 21.1 | 6 30 | 16 46.00 | -19 38.7 | 1.787 | 2.738 | 9.3 | 20.6 |
| 7 10 | 16 39.74 | -27 12.6 | 2.114 | 2.996 | 11.5 | 21.3 | 7 10 | 16 39.98 | -19 58.0 | 1.850 | 2.733 | 12.9 | 20.8 |
| 151470 | 2002 <i>GL</i> ₁₆₀ | | 6 7.9 197°82 | 8.4/ 3.9 | 18 | | 509339 | 2006 <i>XU</i> ₇₁ | | | | | |

EPHEMERIDES

6 7.9

6 7.9

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 338055 | 2002 <i>NU</i> ₇₇ | | 6 7.9 317°64 | 1°1/ 8.1 16 | | | 228665 | 2002 <i>GX</i> ₁₁₄ | | 6 7.9 357°91 | 2°1/ 7.6 18 | | |
| 5 1 | 17 30.36 | -24 34.2 | 1.658 | 2.496 | 15.8 | 20.9 | 5 1 | 17 31.61 | -17 29.6 | 1.785 | 2.617 | 15.1 | 20.2 |
| 5 11 | 17 27.04 | -24 52.1 | 1.565 | 2.480 | 12.5 | 20.7 | 5 11 | 17 27.46 | -17 24.7 | 1.706 | 2.616 | 11.9 | 20.0 |
| 5 21 | 17 20.92 | -25 7.9 | 1.492 | 2.464 | 8.5 | 20.4 | 5 21 | 17 20.85 | -17 22.0 | 1.647 | 2.616 | 8.1 | 19.7 |
| 5 31 | 17 12.56 | -25 20.0 | 1.443 | 2.448 | 4.1 | 20.1 | 5 31 | 17 12.42 | -17 22.0 | 1.612 | 2.616 | 4.0 | 19.5 |
| 6 10 | 17 2.99 | -25 27.2 | 1.419 | 2.433 | 1.4 | 19.9 | 6 10 | 17 3.13 | -17 25.4 | 1.604 | 2.616 | 2.4 | 19.4 |
| 6 20 | 16 53.44 | -25 29.4 | 1.420 | 2.419 | 5.9 | 20.1 | 6 20 | 16 54.03 | -17 32.8 | 1.622 | 2.616 | 5.9 | 19.6 |
| 6 30 | 16 45.21 | -25 28.2 | 1.446 | 2.405 | 10.5 | 20.4 | 6 30 | 16 46.20 | -17 44.8 | 1.666 | 2.616 | 9.9 | 19.8 |
| 7 10 | 16 39.32 | -25 26.2 | 1.494 | 2.391 | 14.6 | 20.6 | 7 10 | 16 40.44 | -18 1.9 | 1.732 | 2.616 | 13.5 | 20.1 |
| 213387 | 2001 <i>UG</i> ₁₁₅ | | 6 7.9 173°36 | 3°5/ 6.8 18 | | | 170886 | 2004 <i>RS</i> ₂₄₈ | | 6 7.9 323°22 | 4°7/ 5.8 17 | | |
| 5 1 | 17 29.37 | -13 47.7 | 2.405 | 3.220 | 12.2 | 21.0 | 5 1 | 17 36.04 | -24 34.6 | 1.024 | 1.885 | 21.7 | 19.1 |
| 5 11 | 17 24.96 | -13 8.2 | 2.322 | 3.222 | 9.6 | 20.8 | 5 11 | 17 32.48 | -22 8.4 | 0.951 | 1.879 | 17.1 | 18.8 |
| 5 21 | 17 18.78 | -12 30.7 | 2.263 | 3.223 | 6.8 | 20.6 | 5 21 | 17 24.93 | -19 19.6 | 0.896 | 1.874 | 11.6 | 18.4 |
| 5 31 | 17 11.34 | -11 57.5 | 2.229 | 3.223 | 4.3 | 20.5 | 5 31 | 17 14.41 | -16 15.9 | 0.864 | 1.869 | 6.2 | 18.1 |
| 6 10 | 17 3.35 | -11 30.4 | 2.223 | 3.224 | 3.7 | 20.4 | 6 10 | 17 2.64 | -13 11.4 | 0.856 | 1.864 | 5.5 | 18.1 |
| 6 20 | 16 55.55 | -11 11.1 | 2.246 | 3.225 | 5.8 | 20.6 | 6 20 | 16 51.51 | -10 22.7 | 0.872 | 1.860 | 10.8 | 18.3 |
| 6 30 | 16 48.67 | -11 0.9 | 2.294 | 3.225 | 8.6 | 20.7 | 6 30 | 16 42.74 | -8 3.9 | 0.910 | 1.856 | 16.5 | 18.6 |
| 7 10 | 16 43.29 | -10 59.9 | 2.367 | 3.225 | 11.3 | 20.9 | 7 10 | 16 37.42 | -6 21.7 | 0.966 | 1.852 | 21.4 | 18.9 |
| 21895 | 1999 <i>VA</i> ₅ | | 6 7.9 261°47 | 1°0/ 8.2 18 | | | 523717 | 2014 <i>KY</i> ₁₀₁ | | 6 7.9 46°91 | 0°1/ 7.6 17 | | |
| 5 1 | 17 30.69 | -25 41.1 | 2.599 | 3.409 | 11.5 | 19.2 | 5 1 | 17 8.49 | -19 34.9 | 34.423 | 35.231 | 1.0 | 22.0 |
| 5 11 | 17 26.18 | -25 51.0 | 2.494 | 3.393 | 9.1 | 19.0 | 5 11 | 17 7.69 | -19 33.9 | 34.336 | 35.236 | 0.8 | 21.9 |
| 5 21 | 17 19.75 | -25 58.1 | 2.412 | 3.377 | 6.2 | 18.8 | 5 21 | 17 6.80 | -19 32.8 | 34.275 | 35.241 | 0.5 | 21.9 |
| 5 31 | 17 11.86 | -26 1.3 | 2.357 | 3.360 | 3.0 | 18.6 | 5 31 | 17 5.84 | -19 31.8 | 34.243 | 35.246 | 0.2 | 21.9 |
| 6 10 | 17 3.21 | -26 0.1 | 2.330 | 3.343 | 1.2 | 18.4 | 6 10 | 17 4.85 | -19 30.9 | 34.239 | 35.252 | 0.1 | 21.8 |
| 6 20 | 16 54.59 | -25 54.9 | 2.331 | 3.326 | 4.2 | 18.6 | 6 20 | 17 3.87 | -19 30.2 | 34.264 | 35.257 | 0.4 | 21.9 |
| 6 30 | 16 46.81 | -25 46.7 | 2.360 | 3.309 | 7.5 | 18.8 | 6 30 | 17 2.93 | -19 29.6 | 34.318 | 35.262 | 0.6 | 21.9 |
| 7 10 | 16 40.56 | -25 37.7 | 2.414 | 3.291 | 10.4 | 19.0 | 7 10 | 17 2.07 | -19 29.3 | 34.398 | 35.267 | 0.9 | 22.0 |
| 233342 | 2006 <i>DQ</i> ₁₀ | | 6 7.9 338°46 | 8°1/ 7.1 18 | | | 472475 | 2015 <i>BF</i> ₄₆₈ | | 6 7.9 202°90 | 7°5/ 6.9 18 | | |
| 5 1 | 17 29.44 | -3 52.8 | 1.618 | 2.439 | 16.9 | 19.5 | 5 1 | 17 32.27 | -3 24.3 | 1.895 | 2.698 | 15.4 | 21.1 |
| 5 11 | 17 25.91 | -3 18.7 | 1.541 | 2.433 | 14.1 | 19.3 | 5 11 | 17 27.70 | -2 50.3 | 1.816 | 2.696 | 12.9 | 20.9 |
| 5 21 | 17 19.89 | -2 57.7 | 1.485 | 2.428 | 11.1 | 19.1 | 5 21 | 17 20.89 | -2 27.9 | 1.759 | 2.694 | 10.2 | 20.7 |
| 5 31 | 17 11.99 | -2 54.2 | 1.450 | 2.423 | 8.7 | 18.9 | 5 31 | 17 12.41 | -2 20.8 | 1.724 | 2.692 | 8.1 | 20.6 |
| 6 10 | 17 3.18 | -3 11.1 | 1.439 | 2.418 | 8.2 | 18.9 | 6 10 | 17 3.15 | -2 31.7 | 1.715 | 2.689 | 7.6 | 20.6 |
| 6 20 | 16 54.53 | -3 48.9 | 1.452 | 2.414 | 10.0 | 19.0 | 6 20 | 16 54.06 | -3 1.0 | 1.732 | 2.687 | 9.3 | 20.7 |
| 6 30 | 16 47.13 | -4 45.9 | 1.488 | 2.410 | 13.0 | 19.1 | 6 30 | 16 46.10 | -3 47.6 | 1.773 | 2.683 | 11.9 | 20.8 |
| 7 10 | 16 41.84 | -5 58.3 | 1.545 | 2.407 | 16.1 | 19.3 | 7 10 | 16 40.03 | -4 48.4 | 1.836 | 2.680 | 14.7 | 21.0 |
| 141401 | 2002 <i>AD</i> ₁₃₄ | | 6 7.9 213°87 | 0°0/ 7.8 17 | | | 66387 | 1999 <i>JE</i> ₁₃₆ | | 6 7.9 9°10 | 1°1/ 7.8 17 | | |
| 5 1 | 17 30.42 | -23 14.1 | 2.394 | 3.211 | 12.2 | 20.8 | 5 1 | 17 26.87 | -21 47.4 | 0.985 | 1.863 | 21.0 | 18.9 |
| 5 11 | 17 25.96 | -23 12.0 | 2.305 | 3.209 | 9.5 | 20.6 | 5 11 | 17 25.44 | -21 34.9 | 0.927 | 1.864 | 16.5 | 18.7 |
| 5 21 | 17 19.56 | -23 7.6 | 2.239 | 3.206 | 6.4 | 20.4 | 5 21 | 17 20.31 | -21 20.0 | 0.885 | 1.867 | 11.1 | 18.4 |
| 5 31 | 17 11.74 | -23 0.7 | 2.199 | 3.204 | 2.9 | 20.1 | 5 31 | 17 12.36 | -21 3.3 | 0.863 | 1.871 | 5.1 | 18.1 |
| 6 10 | 17 3.26 | -22 51.5 | 2.186 | 3.201 | 0.7 | 20.0 | 6 10 | 17 3.16 | -20 46.6 | 0.863 | 1.877 | 1.8 | 17.9 |
| 6 20 | 16 54.92 | -22 40.7 | 2.202 | 3.198 | 4.4 | 20.2 | 6 20 | 16 54.45 | -20 32.2 | 0.883 | 1.884 | 7.7 | 18.3 |
| 6 30 | 16 47.56 | -22 29.8 | 2.245 | 3.195 | 7.8 | 20.4 | 6 30 | 16 47.87 | -20 23.0 | 0.924 | 1.893 | 13.3 | 18.6 |
| 7 10 | 16 41.82 | -22 20.7 | 2.313 | 3.192 | 10.8 | 20.6 | 7 10 | 16 44.50 | -20 21.4 | 0.983 | 1.903 | 18.1 | 18.9 |
| 239127 | 2006 <i>HW</i> ₁₅₂ | | 6 7.9 267°10 | 2°6/ 7.4 18 | | | 173806 | 2001 <i>SO</i> ₂₃₇ | | 6 7.9 278°13 | 1°2/ 7.7 18 | | |
| 5 1 | 17 30.69 | -16 40.9 | 1.996 | 2.821 | 14.0 | 21.2 | 5 1 | 17 30.28 | -19 55.0 | 2.122 | 2.946 | 13.3 | 21.1 |
| 5 11 | 17 26.54 | -16 23.3 | 1.905 | 2.813 | 11.0 | 20.9 | 5 11 | 17 26.16 | -19 47.8 | 2.028 | 2.936 | 10.4 | 20.8 |
| 5 21 | 17 20.14 | -16 7.3 | 1.836 | 2.804 | 7.6 | 20.7 | 5 21 | 17 19.88 | -19 40.4 | 1.957 | 2.926 | 7.0 | 20.6 |
| 5 31 | 17 12.07 | -15 54.1 | 1.793 | 2.794 | 4.0 | 20.5 | 5 31 | 17 11.98 | -19 32.9 | 1.911 | 2.915 | 3.3 | 20.4 |
| 6 10 | 17 3.16 | -15 44.9 | 1.776 | 2.785 | 2.8 | 20.4 | 6 10 | 17 3.26 | -19 26.1 | 1.892 | 2.905 | 1.5 | 20.2 |
| 6 20 | 16 54.37 | -15 41.0 | 1.786 | 2.776 | 5.9 | 20.5 | 6 20 | 16 54.64 | -19 20.8 | 1.900 | 2.895 | 5.1 | 20.4 |
| 6 30 | 16 46.65 | -15 43.4 | 1.821 | 2.767 | 9.6 | 20.7 | 6 30 | 16 47.04 | -19 18.2 | 1.935 | 2.884 | 8.8 | 20.6 |
| 7 10 | 16 40.78 | -15 52.7 | 1.880 | 2.757 | 13.0 | 20.9 | 7 10 | 16 41.21 | -19 19.7 | 1.993 | 2.874 | 12.2 | 20.8 |
| 472315 | 2014 <i>YA</i> ₁₀ | | 6 7.9 75°46 | 1°5/ 7.9 17 | | | 257159 | 2008 <i>HB</i> ₄₃ | | 6 7.9 2°52 | 0°8/ 8.2 16 | | |
| 5 1 | 17 36.06 | -17 15.8 | 1.602 | 2.432 | 16.7 | 20.0 | 5 1 | 17 29.39 | -25 31.4 | 2.045 | 2.871 | 13.7 | 20.9 |
| 5 11 | 17 30.98 | -17 38.4 | 1.541 | 2.450 | 13.0 | 19.8 | 5 11 | 17 25.53 | -25 31.8 | 1.963 | 2.871 | 10.7 | 20.7 |
| 5 21 | 17 23.17 | -18 5.2 | 1.500 | 2.469 | 8.7 | 19.6 | 5 21 | 17 19.46 | -25 28.4 | 1.902 | 2.871 | 7.2 | 20.5 |
| 5 31 | 17 13.42 | -18 35.1 | 1.484 | 2.488 | 4.1 | 19.4 | 5 31 | 17 11.77 | -25 20.3 | 1.867 | 2.871 | 3.4 | 20.3 |
| 6 10 | 17 2.87 | -19 7.0 | 1.494 | 2.507 | 1.9 | 19.3 | 6 10 | 17 3.33 | -25 7.6 | 1.858 | 2.872 | 1.1 | 20.1 |
| 6 20 | 16 52.73 | -19 39.8 | 1.530 | 2.525 | 6.0 | 19.6 | 6 20 | 16 55.10 | -24 51.4 | 1.876 | 2.873 | 4.8 | 20.4 |
| 6 30 | 16 44.17 | -20 13.3 | 1.592 | 2.544 | 10.2 | 19.9 | 6 30 | 16 48.03 | -24 33.7 | 1.920 | 2.875 | 8.5 | 20.6 |
| 7 10 | 16 38.00 | -20 47.7 | 1.677 | 2.562 | 13.8 | 20.2 | 7 10 | 16 42.84 | -24 17.0 | 1.988 | 2.876 | 11.8 | 20.8 |
| 177909 | 2005 <i>SX</i> ₉₆ | | 6 7.9 333°37 | 0°7/ 8.1 18 | | | 507611 | 2013 <i>CA</i> ₁₁₈ | | 6 7.9 157°29 | 6°2/ 5.9 18 | | |
| 5 1 | 17 30.06 | -25 2.8 | 2.085 | 2.910 | 13.5 | 20.4 | 5 1 | 17 28.46 | + 2 20.3 | 3.388 | 4.145 | 10.2 | 23.4 |
| 5 11 | 17 26.03 | -25 4.4 | 1.999 | 2.906 | 10.6 | 20.2 | 5 11 | 17 23.67 | + 2 58.3 | 3.316 | 4.154 | 8.7 | 23.3 |
| 5 21 | 17 19.79 | -25 2.6 | 1.934 | 2.903 | 7.1 | 20.0 | 5 21 | 17 17.65 | + 3 27.3 | 3.266 | 4.162 | 7.3 | 23.2 |
| 5 31 | 17 11.91 | -24 56.6 | 1.895 | 2.899 | 3.3 | 19.7 | 5 31 | 17 10.79 | + 3 44.8 | 3.243 | 4.170 | 6.4 | 23.1 |
| 6 10 | 17 3.25 | -24 46.3 | 1.882 | 2.896 | 1.0 | 19.5 | 6 10 | 17 3.59 | + 3 49.2 | 3.247 | 4.177 | 6.3 | 23.1 |
| 6 20 | 16 54.76 | -24 32.7 | 1.896 | 2.893 | 4.8 | 19.8 | 6 20 | 16 56.54 | + 3 40.0 | 3.277 | 4.184 | 7.1 | 23.2 |
| 6 30 | 16 47.40 | -24 17.6 | 1.937 | 2.891 | 8.5 | 20.0 | 6 30 | 16 50.12 | + 3 17.7 | 3.333 | 4.190 | 8.4 | 23.3 |
| 7 10 | 16 41.90 | -24 3.4 | 2.001 | 2.888 | 11.9 | 20.2 | 7 10 | 16 44.75 | + 2 43.6 | 3.413 | 4.195 | 9.9 | 23.4 |
| 396032 | 2013 <i>CQ</i> ₁₃ | | 6 7.9 172°11 | 0°5/ 8.1 17 | | | 209036 | 2003 <i>NC</i> ₁₂ | | | | | |

EPHEMERIDES

6 7.9

6 7.9

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|----------------|---------|------|---------------|------------------------|-----------------|--------------|--------------|---------|------|
| 198471 | 2004 XD ₂₇ | | 6 7.9 152°60 | 1.9°/ 8.5 18 | | | 173094 | Wielicki | | 6 7.9 197°38 | 0.2°/ 7.9 18 | | |
| 5 1 | 17 34.45 | -28 52.4 | 2.215 | 3.023 | 13.4 | 20.8 | 5 1 | 17 31.48 | -22 57.6 | 2.178 | 2.998 | 13.2 | 21.0 |
| 5 11 | 17 29.28 | -28 58.8 | 2.133 | 3.029 | 10.5 | 20.6 | 5 11 | 17 26.99 | -22 50.5 | 2.092 | 2.997 | 10.3 | 20.8 |
| 5 21 | 17 21.86 | -28 59.3 | 2.073 | 3.034 | 7.3 | 20.4 | 5 21 | 17 20.36 | -22 40.9 | 2.028 | 2.996 | 6.9 | 20.6 |
| 5 31 | 17 12.82 | -28 52.3 | 2.039 | 3.039 | 3.8 | 20.2 | 5 31 | 17 12.19 | -22 28.7 | 1.990 | 2.995 | 3.1 | 20.4 |
| 6 10 | 17 3.07 | -28 37.4 | 2.033 | 3.044 | 2.0 | 20.1 | 6 10 | 17 3.29 | -22 14.3 | 1.979 | 2.994 | 0.8 | 20.2 |
| 6 20 | 16 53.58 | -28 15.5 | 2.054 | 3.049 | 4.8 | 20.3 | 6 20 | 16 54.59 | -21 58.8 | 1.996 | 2.992 | 4.7 | 20.5 |
| 6 30 | 16 45.31 | -27 49.2 | 2.103 | 3.053 | 8.2 | 20.5 | 6 30 | 16 46.97 | -21 44.0 | 2.040 | 2.990 | 8.4 | 20.7 |
| 7 10 | 16 38.97 | -27 21.6 | 2.176 | 3.056 | 11.3 | 20.7 | 7 10 | 16 41.14 | -21 31.8 | 2.108 | 2.989 | 11.6 | 20.9 |
| 225873 | 2001 YL ₄ | | 6 7.9 145°96 | 2.6°/ 7.7 17 | | | 93904 | 2000 WY ₁₅₀ | | 6 7.9 168°84 | 5.4°/ 7.9 18 | | |
| 5 1 | 17 34.91 | -14 21.6 | 2.210 | 3.019 | 13.4 | 20.9 | 5 1 | 17 40.30 | -32 28.9 | 1.959 | 2.759 | 15.2 | 19.5 |
| 5 11 | 17 29.41 | -14 26.2 | 2.133 | 3.029 | 10.5 | 20.7 | 5 11 | 17 34.71 | -34 0.3 | 1.875 | 2.760 | 12.3 | 19.3 |
| 5 21 | 17 21.85 | -14 35.0 | 2.078 | 3.039 | 7.2 | 20.5 | 5 21 | 17 26.09 | -35 28.2 | 1.814 | 2.761 | 9.2 | 19.1 |
| 5 31 | 17 12.80 | -14 48.4 | 2.049 | 3.048 | 3.9 | 20.3 | 5 31 | 17 15.00 | -36 46.1 | 1.778 | 2.762 | 6.3 | 18.9 |
| 6 10 | 17 3.09 | -15 6.5 | 2.049 | 3.057 | 2.7 | 20.3 | 6 10 | 17 2.54 | -37 48.6 | 1.769 | 2.762 | 5.5 | 18.9 |
| 6 20 | 16 53.61 | -15 29.0 | 2.077 | 3.065 | 5.4 | 20.5 | 6 20 | 16 50.03 | -38 32.4 | 1.788 | 2.763 | 7.4 | 19.0 |
| 6 30 | 16 45.20 | -15 56.0 | 2.132 | 3.072 | 8.7 | 20.7 | 6 30 | 16 38.88 | -38 58.2 | 1.833 | 2.763 | 10.4 | 19.2 |
| 7 10 | 16 38.56 | -16 27.0 | 2.212 | 3.079 | 11.7 | 20.9 | 7 10 | 16 30.22 | -39 9.6 | 1.901 | 2.763 | 13.5 | 19.4 |
| 433782 | 2015 BT ₇₁ | | 6 7.9 4°30 | 10.4°/ 6.6 17 | | | 163647 | 2002 VE ₂₅ | | 6 7.9 321°47 | 5.3°/ 5.9 16 | | |
| 5 1 | 17 28.89 | -0 28.1 | 1.485 | 2.305 | 18.2 | 20.4 | 5 1 | 17 28.40 | -14 26.6 | 1.724 | 2.561 | 15.3 | 19.5 |
| 5 11 | 17 25.60 | +0 29.8 | 1.420 | 2.304 | 15.5 | 20.2 | 5 11 | 17 25.07 | -13 5.6 | 1.636 | 2.547 | 12.2 | 19.2 |
| 5 21 | 17 19.73 | +1 11.7 | 1.373 | 2.304 | 12.8 | 20.1 | 5 21 | 17 19.33 | -11 43.3 | 1.570 | 2.534 | 8.8 | 19.0 |
| 5 31 | 17 11.95 | +1 31.3 | 1.348 | 2.305 | 10.9 | 19.9 | 5 31 | 17 11.80 | -10 24.3 | 1.527 | 2.521 | 5.9 | 18.8 |
| 6 10 | 17 3.31 | +1 24.5 | 1.344 | 2.307 | 10.5 | 19.9 | 6 10 | 17 3.40 | -9 13.9 | 1.511 | 2.508 | 5.6 | 18.7 |
| 6 20 | 16 54.93 | +0 50.5 | 1.363 | 2.309 | 12.1 | 20.0 | 6 20 | 16 55.17 | -8 16.8 | 1.520 | 2.496 | 8.3 | 18.9 |
| 6 30 | 16 47.93 | -0 8.6 | 1.404 | 2.311 | 14.6 | 20.2 | 6 30 | 16 48.13 | -7 36.4 | 1.554 | 2.485 | 11.9 | 19.1 |
| 7 10 | 16 43.13 | -1 27.6 | 1.464 | 2.315 | 17.4 | 20.4 | 7 10 | 16 43.11 | -7 14.0 | 1.608 | 2.474 | 15.4 | 19.2 |
| 300198 | 2006 WH ₁₀₀ | | 6 7.9 184°94 | 2.3°/ 7.3 17 | | | 347955 | 2003 QV ₂₇ | | 6 7.9 222°41 | 3.1°/ 8.6 17 | | |
| 5 1 | 17 29.78 | -15 36.7 | 2.797 | 3.605 | 10.9 | 22.0 | 5 1 | 17 37.84 | -30 42.7 | 1.839 | 2.650 | 15.6 | 21.6 |
| 5 11 | 17 25.08 | -15 19.9 | 2.708 | 3.605 | 8.5 | 21.8 | 5 11 | 17 32.69 | -30 56.6 | 1.746 | 2.642 | 12.5 | 21.4 |
| 5 21 | 17 18.81 | -15 4.6 | 2.643 | 3.605 | 5.9 | 21.7 | 5 21 | 17 24.61 | -31 2.8 | 1.673 | 2.633 | 8.8 | 21.1 |
| 5 31 | 17 11.39 | -14 51.9 | 2.605 | 3.604 | 3.3 | 21.5 | 5 31 | 17 14.27 | -30 58.2 | 1.625 | 2.623 | 5.0 | 20.9 |
| 6 10 | 17 3.46 | -14 42.7 | 2.596 | 3.603 | 2.4 | 21.4 | 6 10 | 17 2.77 | -30 41.3 | 1.604 | 2.613 | 3.1 | 20.7 |
| 6 20 | 16 55.67 | -14 37.9 | 2.615 | 3.601 | 4.6 | 21.6 | 6 20 | 16 51.43 | -30 12.8 | 1.609 | 2.602 | 6.1 | 20.9 |
| 6 30 | 16 48.66 | -14 38.1 | 2.662 | 3.599 | 7.3 | 21.7 | 6 30 | 16 41.55 | -29 36.1 | 1.641 | 2.591 | 10.1 | 21.1 |
| 7 10 | 16 42.96 | -14 43.8 | 2.735 | 3.596 | 9.9 | 21.9 | 7 10 | 16 34.13 | -28 56.1 | 1.695 | 2.579 | 13.8 | 21.3 |
| 139243 | 2001 HH ₂₉ | | 6 7.9 21°96 | 0.3°/ 7.9 18 | | | 384068 | 2008 UC ₃₃₈ | | 6 7.9 253°66 | 0.6°/ 7.8 17 | | |
| 5 1 | 17 31.07 | -23 19.1 | 1.263 | 2.118 | 18.8 | 19.3 | 5 1 | 17 31.76 | -22 31.9 | 1.967 | 2.793 | 14.2 | 21.1 |
| 5 11 | 17 27.98 | -23 6.4 | 1.199 | 2.123 | 14.7 | 19.0 | 5 11 | 17 27.46 | -22 12.8 | 1.879 | 2.787 | 11.1 | 20.9 |
| 5 21 | 17 21.63 | -22 49.9 | 1.153 | 2.129 | 9.8 | 18.8 | 5 21 | 17 20.82 | -21 50.5 | 1.812 | 2.782 | 7.4 | 20.7 |
| 5 31 | 17 12.88 | -22 29.4 | 1.129 | 2.135 | 4.5 | 18.5 | 5 31 | 17 12.45 | -21 25.4 | 1.771 | 2.776 | 3.4 | 20.4 |
| 6 10 | 17 3.09 | -22 6.1 | 1.128 | 2.143 | 1.2 | 18.3 | 6 10 | 17 3.26 | -20 58.5 | 1.756 | 2.771 | 1.1 | 20.2 |
| 6 20 | 16 53.75 | -21 42.4 | 1.151 | 2.151 | 6.7 | 18.7 | 6 20 | 16 54.27 | -20 31.6 | 1.769 | 2.765 | 5.2 | 20.5 |
| 6 30 | 16 46.28 | -21 21.6 | 1.197 | 2.159 | 11.7 | 19.0 | 6 30 | 16 46.45 | -20 7.2 | 1.808 | 2.759 | 9.2 | 20.7 |
| 7 10 | 16 41.63 | -21 6.8 | 1.263 | 2.169 | 16.1 | 19.3 | 7 10 | 16 40.61 | -19 47.6 | 1.870 | 2.753 | 12.7 | 20.9 |
| 140698 | 2001 UO ₇₃ | | 6 7.9 205°72 | 0.1°/ 7.9 18 | | | 220278 | 2003 BE ₁₄ | | 6 7.9 221°46 | 4.1°/ 7.3 17 | | |
| 5 1 | 17 31.10 | -22 20.7 | 2.402 | 3.217 | 12.2 | 20.4 | 5 1 | 17 33.23 | -12 12.6 | 1.952 | 2.769 | 14.6 | 20.9 |
| 5 11 | 17 26.51 | -22 22.9 | 2.312 | 3.215 | 9.5 | 20.2 | 5 11 | 17 28.54 | -11 53.3 | 1.863 | 2.763 | 11.6 | 20.7 |
| 5 21 | 17 19.96 | -22 23.7 | 2.245 | 3.212 | 6.4 | 20.0 | 5 21 | 17 21.54 | -11 39.1 | 1.796 | 2.755 | 8.3 | 20.4 |
| 5 31 | 17 11.98 | -22 22.8 | 2.204 | 3.209 | 2.9 | 19.7 | 5 31 | 17 12.79 | -11 31.8 | 1.754 | 2.748 | 5.2 | 20.2 |
| 6 10 | 17 3.31 | -22 20.1 | 2.191 | 3.206 | 0.8 | 19.6 | 6 10 | 17 3.17 | -11 33.2 | 1.738 | 2.740 | 4.3 | 20.2 |
| 6 20 | 16 54.78 | -22 16.3 | 2.207 | 3.202 | 4.4 | 19.8 | 6 20 | 16 53.66 | -11 43.9 | 1.749 | 2.731 | 6.9 | 20.3 |
| 6 30 | 16 47.21 | -22 12.4 | 2.249 | 3.199 | 7.8 | 20.0 | 6 30 | 16 45.25 | -12 4.3 | 1.786 | 2.722 | 10.3 | 20.5 |
| 7 10 | 16 41.25 | -22 9.9 | 2.317 | 3.195 | 10.8 | 20.2 | 7 10 | 16 38.75 | -12 33.7 | 1.846 | 2.713 | 13.6 | 20.7 |
| 489790 | 2008 CX ₉₉ | | 6 7.9 137°84 | 2.7°/ 8.7 14 C | | | 164238 | 2004 TM ₂₈ | | 6 7.9 67°33 | 2.7°/ 7.5 17 | | |
| 5 1 | 17 32.74 | -31 31.6 | 2.485 | 3.286 | 12.3 | 22.3 | 5 1 | 17 34.11 | -18 20.2 | 1.327 | 2.174 | 18.5 | 20.6 |
| 5 11 | 17 27.78 | -31 43.5 | 2.402 | 3.292 | 9.8 | 22.1 | 5 11 | 17 30.08 | -17 56.3 | 1.262 | 2.181 | 14.5 | 20.3 |
| 5 21 | 17 20.78 | -31 48.7 | 2.343 | 3.298 | 6.9 | 22.0 | 5 21 | 17 22.93 | -17 33.2 | 1.216 | 2.189 | 9.8 | 20.1 |
| 5 31 | 17 12.33 | -31 45.4 | 2.309 | 3.304 | 4.0 | 21.8 | 5 31 | 17 13.47 | -17 12.4 | 1.192 | 2.197 | 4.9 | 19.8 |
| 6 10 | 17 3.23 | -31 33.0 | 2.302 | 3.309 | 2.7 | 21.7 | 6 10 | 17 3.02 | -16 55.9 | 1.193 | 2.204 | 3.0 | 19.7 |
| 6 20 | 16 54.38 | -31 12.2 | 2.324 | 3.315 | 4.7 | 21.8 | 6 20 | 16 53.02 | -16 45.5 | 1.218 | 2.212 | 7.3 | 20.0 |
| 6 30 | 16 46.61 | -30 45.2 | 2.374 | 3.320 | 7.6 | 22.0 | 6 30 | 16 44.79 | -16 43.1 | 1.266 | 2.220 | 12.0 | 20.3 |
| 7 10 | 16 40.59 | -30 15.3 | 2.448 | 3.325 | 10.3 | 22.2 | 7 10 | 16 39.30 | -16 49.6 | 1.335 | 2.228 | 16.2 | 20.5 |
| 440752 | 2006 DA ₄₂ | | 6 7.9 139°82 | 18.7°/ 12.3 18 | | | 439425 | 2013 EJ ₆ | | 6 7.9 198°24 | 0.8°/ 7.8 18 | | |
| 5 1 | 17 56.68 | -57 24.3 | 1.268 | 2.006 | 24.8 | 20.7 | 5 1 | 17 29.48 | -21 8.2 | 2.505 | 3.322 | 11.7 | 22.0 |
| 5 11 | 17 52.31 | -59 37.5 | 1.212 | 2.010 | 22.9 | 20.5 | 5 11 | 17 25.13 | -20 56.6 | 2.417 | 3.321 | 9.1 | 21.8 |
| 5 21 | 17 40.65 | -61 24.7 | 1.170 | 2.014 | 21.0 | 20.4 | 5 21 | 17 18.99 | -20 43.7 | 2.352 | 3.320 | 6.1 | 21.6 |
| 5 31 | 17 22.38 | -62 28.8 | 1.143 | 2.018 | 19.4 | 20.3 | 5 31 | 17 11.55 | -20 29.7 | 2.314 | 3.319 | 2.8 | 21.4 |
| 6 10 | 17 5.58 | -62 35.9 | 1.133 | 2.021 | 18.7 | 20.3 | 6 10 | 17 3.52 | -20 15.4 | 2.304 | 3.318 | 1.1 | 21.3 |
| 6 20 | 16 39.80 | -61 42.8 | 1.140 | 2.024 | 19.0 | 20.3 | 6 20 | 16 55.65 | -20 1.8 | 2.322 | 3.316 | 4.3 | 21.5 |
| 6 30 | 16 24.11 | -59 59.3 | 1.165 | 2.027 | 20.2 | 20.4 | 6 30 | 16 48.68 | -19 50.2 | 2.367 | 3.315 | 7.5 | 21.7 |
| 7 10 | 16 15.44 | -57 44.0 | 1.206 | 2.030 | 21.9 | 20.5 | 7 10 | 16 43.22 | -19 42.0 | 2.437 | 3.313 | 10.4 | 21.9 |
| 216567 | 2002 AU ₂₈ | | 6 7.9 154°34 | 6.0°/ 6.9 18 | | | 250943 | 2005 YK ₁₂₄ | | 6 7.9 234°98 | 2.5°/ 8.9 18 | | |
| 5 1 | 17 3 | | | | | | | | | | | | |

EPHEMERIDES

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6 8.0

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|--------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 503682 | 2016 <i>HY</i> ₈ | | 6 7.9 340°77 | 0°4/ 7.9 17 | | | 243981 | 2001 <i>RC</i> ₅₀ | | 6 8.0 281°40 | 2°3/ 7.4 17 | | |
| 5 1 | 17 33.00 | -19 32.5 | 1.376 | 2.222 | 18.0 | 20.2 | 5 1 | 17 33.43 | -20 54.5 | 1.352 | 2.199 | 18.2 | 20.1 |
| 5 11 | 17 29.51 | -20 7.0 | 1.298 | 2.217 | 14.2 | 19.9 | 5 11 | 17 29.82 | -20 10.4 | 1.270 | 2.190 | 14.4 | 19.8 |
| 5 21 | 17 22.82 | -20 46.0 | 1.239 | 2.213 | 9.6 | 19.6 | 5 21 | 17 22.99 | -19 21.6 | 1.207 | 2.181 | 9.8 | 19.5 |
| 5 31 | 17 13.59 | -21 27.8 | 1.202 | 2.208 | 4.4 | 19.3 | 5 31 | 17 13.66 | -18 30.0 | 1.167 | 2.172 | 4.8 | 19.2 |
| 6 10 | 17 3.00 | -22 10.2 | 1.190 | 2.205 | 1.2 | 19.1 | 6 10 | 17 3.08 | -17 38.9 | 1.150 | 2.163 | 2.8 | 19.1 |
| 6 20 | 16 52.51 | -22 51.0 | 1.203 | 2.201 | 6.6 | 19.4 | 6 20 | 16 52.74 | -16 52.4 | 1.159 | 2.154 | 7.5 | 19.3 |
| 6 30 | 16 43.64 | -23 29.7 | 1.239 | 2.199 | 11.6 | 19.7 | 6 30 | 16 44.08 | -16 15.0 | 1.190 | 2.145 | 12.6 | 19.6 |
| 7 10 | 16 37.50 | -24 7.0 | 1.296 | 2.197 | 16.1 | 19.9 | 7 10 | 16 38.18 | -15 49.9 | 1.242 | 2.136 | 17.1 | 19.8 |
| 431308 | 2006 <i>VC</i> ₈₀ | | 6 7.9 200°74 | 1°3/ 7.7 17 | | | 469551 | 2003 <i>UW</i> ₇₇ | | 6 8.0 233°06 | 1°5/ 7.5 16 | | |
| 5 1 | 17 34.82 | -19 48.5 | 2.017 | 2.835 | 14.1 | 22.5 | 5 1 | 17 32.21 | -20 14.2 | 2.345 | 3.160 | 12.5 | 21.9 |
| 5 11 | 17 29.77 | -19 39.6 | 1.927 | 2.831 | 11.1 | 22.3 | 5 11 | 17 27.44 | -19 43.2 | 2.246 | 3.148 | 9.8 | 21.7 |
| 5 21 | 17 22.36 | -19 30.2 | 1.860 | 2.827 | 7.5 | 22.0 | 5 21 | 17 20.67 | -19 10.0 | 2.170 | 3.136 | 6.6 | 21.5 |
| 5 31 | 17 13.18 | -19 20.7 | 1.819 | 2.823 | 3.5 | 21.8 | 5 31 | 17 12.41 | -18 35.4 | 2.120 | 3.124 | 3.2 | 21.2 |
| 6 10 | 17 3.14 | -19 11.6 | 1.804 | 2.818 | 1.6 | 21.6 | 6 10 | 17 3.42 | -18 1.0 | 2.099 | 3.111 | 1.8 | 21.1 |
| 6 20 | 16 53.26 | -19 3.9 | 1.818 | 2.812 | 5.4 | 21.9 | 6 20 | 16 54.54 | -17 28.7 | 2.106 | 3.097 | 5.0 | 21.3 |
| 6 30 | 16 44.55 | -18 59.1 | 1.858 | 2.806 | 9.3 | 22.1 | 6 30 | 16 46.63 | -17 0.8 | 2.140 | 3.083 | 8.5 | 21.5 |
| 7 10 | 16 37.80 | -18 58.6 | 1.923 | 2.799 | 12.8 | 22.3 | 7 10 | 16 40.36 | -16 39.1 | 2.199 | 3.069 | 11.6 | 21.7 |
| 416061 | 2002 <i>HW</i> ₁₇ | | 6 7.9 86°93 | 14°8/ 4.7 17 | | | 262105 | 2006 <i>RR</i> ₁₀₄ | | 6 8.0 157°40 | 1°8/ 7.7 17 | | |
| 5 1 | 17 31.19 | +16 32.9 | 1.955 | 2.674 | 17.8 | 20.7 | 5 1 | 17 35.68 | -17 24.2 | 1.952 | 2.770 | 14.6 | 21.1 |
| 5 11 | 17 26.66 | +18 15.8 | 1.916 | 2.689 | 16.5 | 20.6 | 5 11 | 17 30.41 | -17 26.8 | 1.873 | 2.776 | 11.4 | 20.9 |
| 5 21 | 17 20.06 | +19 34.6 | 1.894 | 2.704 | 15.4 | 20.6 | 5 21 | 17 22.76 | -17 31.8 | 1.816 | 2.782 | 7.7 | 20.7 |
| 5 31 | 17 12.03 | +20 22.7 | 1.892 | 2.719 | 14.8 | 20.6 | 5 31 | 17 13.38 | -17 39.2 | 1.784 | 2.787 | 3.8 | 20.4 |
| 6 10 | 17 3.46 | +20 36.1 | 1.908 | 2.734 | 14.9 | 20.6 | 6 10 | 17 3.18 | -17 49.1 | 1.779 | 2.791 | 2.1 | 20.3 |
| 6 20 | 16 55.26 | +20 14.6 | 1.944 | 2.749 | 15.4 | 20.7 | 6 20 | 16 53.22 | -18 1.7 | 1.803 | 2.796 | 5.5 | 20.6 |
| 6 30 | 16 48.27 | +19 21.1 | 1.998 | 2.763 | 16.4 | 20.8 | 6 30 | 16 44.49 | -18 17.4 | 1.853 | 2.799 | 9.4 | 20.8 |
| 7 10 | 16 43.12 | +18 1.1 | 2.069 | 2.777 | 17.5 | 20.9 | 7 10 | 16 37.78 | -18 36.7 | 1.927 | 2.802 | 12.8 | 21.0 |
| 11631 | 1996 <i>XV</i> ₁ | | 6 7.9 299°94 | 2°1/ 8.5 18 | | | 468811 | 2012 <i>MC</i> ₆ | | 6 8.0 43°09 | 4°3/ 6.8 17 | | |
| 5 1 | 17 33.14 | -28 52.0 | 1.435 | 2.274 | 17.8 | 17.8 | 5 1 | 17 31.49 | -16 46.3 | 1.467 | 2.310 | 17.2 | 19.9 |
| 5 11 | 17 29.75 | -28 45.5 | 1.346 | 2.259 | 14.2 | 17.5 | 5 11 | 17 27.66 | -15 41.4 | 1.402 | 2.319 | 13.5 | 19.6 |
| 5 21 | 17 23.04 | -28 29.7 | 1.276 | 2.245 | 9.9 | 17.2 | 5 21 | 17 21.12 | -14 36.4 | 1.358 | 2.328 | 9.4 | 19.4 |
| 5 31 | 17 13.71 | -28 2.5 | 1.227 | 2.231 | 5.1 | 16.9 | 5 31 | 17 12.64 | -13 35.0 | 1.337 | 2.337 | 5.5 | 19.2 |
| 6 10 | 17 3.01 | -27 23.4 | 1.204 | 2.217 | 2.3 | 16.7 | 6 10 | 17 3.40 | -12 41.8 | 1.341 | 2.347 | 4.6 | 19.2 |
| 6 20 | 16 52.46 | -26 34.9 | 1.204 | 2.203 | 6.6 | 16.9 | 6 20 | 16 54.60 | -12 0.4 | 1.371 | 2.357 | 7.8 | 19.4 |
| 6 30 | 16 43.60 | -25 42.0 | 1.229 | 2.190 | 11.7 | 17.2 | 6 30 | 16 47.38 | -11 33.7 | 1.423 | 2.367 | 11.8 | 19.7 |
| 7 10 | 16 37.58 | -24 51.0 | 1.275 | 2.176 | 16.2 | 17.4 | 7 10 | 16 42.52 | -11 22.2 | 1.497 | 2.378 | 15.5 | 19.9 |
| 139776 | 2001 <i>QS</i> ₃₀₉ | | 6 7.9 153°20 | 0°4/ 7.9 18 | | | 177070 | 2003 <i>FN</i> ₂₃ | | 6 8.0 11°24 | 1°3/ 8.3 16 | | |
| 5 1 | 17 31.51 | -21 41.3 | 2.267 | 3.085 | 12.8 | 19.9 | 5 1 | 17 28.68 | -25 50.4 | 1.605 | 2.446 | 16.1 | 20.1 |
| 5 11 | 17 26.91 | -21 42.0 | 2.183 | 3.088 | 9.9 | 19.7 | 5 11 | 17 25.62 | -26 1.7 | 1.534 | 2.450 | 12.6 | 19.9 |
| 5 21 | 17 20.29 | -21 41.7 | 2.123 | 3.090 | 6.6 | 19.5 | 5 21 | 17 19.86 | -26 8.9 | 1.483 | 2.455 | 8.5 | 19.7 |
| 5 31 | 17 12.19 | -21 40.0 | 2.088 | 3.093 | 3.0 | 19.3 | 5 31 | 17 12.13 | -26 10.5 | 1.456 | 2.461 | 4.1 | 19.4 |
| 6 10 | 17 3.42 | -21 37.2 | 2.081 | 3.095 | 0.9 | 19.1 | 6 10 | 17 3.51 | -26 6.1 | 1.454 | 2.468 | 1.6 | 19.3 |
| 6 20 | 16 54.84 | -21 33.8 | 2.102 | 3.097 | 4.6 | 19.4 | 6 20 | 16 55.20 | -25 56.5 | 1.477 | 2.475 | 5.6 | 19.6 |
| 6 30 | 16 47.29 | -21 31.0 | 2.149 | 3.099 | 8.1 | 19.6 | 6 30 | 16 48.34 | -25 44.2 | 1.524 | 2.484 | 9.9 | 19.8 |
| 7 10 | 16 41.45 | -21 30.2 | 2.222 | 3.101 | 11.2 | 19.8 | 7 10 | 16 43.80 | -25 31.8 | 1.593 | 2.494 | 13.6 | 20.1 |
| 80309 | 1999 <i>XA</i> ₇₄ | | 6 8.0 242°85 | 0°1/ 7.9 18 | | | 460726 | 2014 <i>VS</i> ₁₁ | | 6 8.0 321°68 | 2°4/ 8.1 17 | | |
| 5 1 | 17 35.29 | -23 4.0 | 1.877 | 2.699 | 14.9 | 20.6 | 5 1 | 17 32.98 | -25 1.3 | 1.277 | 2.127 | 18.9 | 20.1 |
| 5 11 | 17 30.53 | -22 58.5 | 1.779 | 2.685 | 11.7 | 20.3 | 5 11 | 17 30.06 | -25 47.6 | 1.195 | 2.116 | 15.0 | 19.8 |
| 5 21 | 17 23.11 | -22 50.2 | 1.702 | 2.670 | 7.9 | 20.0 | 5 21 | 17 23.56 | -26 34.0 | 1.131 | 2.104 | 10.4 | 19.5 |
| 5 31 | 17 13.63 | -22 38.4 | 1.649 | 2.654 | 3.6 | 19.8 | 5 31 | 17 14.10 | -27 16.7 | 1.089 | 2.094 | 5.3 | 19.2 |
| 6 10 | 17 3.04 | -22 23.4 | 1.624 | 2.638 | 1.0 | 19.5 | 6 10 | 17 2.97 | -27 52.0 | 1.071 | 2.084 | 2.6 | 19.0 |
| 6 20 | 16 52.51 | -22 6.1 | 1.625 | 2.622 | 5.6 | 19.8 | 6 20 | 16 51.83 | -28 17.5 | 1.076 | 2.074 | 7.3 | 19.3 |
| 6 30 | 16 43.20 | -21 48.9 | 1.653 | 2.604 | 9.9 | 20.0 | 6 30 | 16 42.45 | -28 34.0 | 1.103 | 2.065 | 12.5 | 19.5 |
| 7 10 | 16 36.06 | -21 34.6 | 1.704 | 2.587 | 13.8 | 20.2 | 7 10 | 16 36.17 | -28 44.8 | 1.151 | 2.057 | 17.2 | 19.8 |
| 71177 | 1999 <i>XA</i> ₂₁₃ | | 6 8.0 162°11 | 3°8/ 7.1 18 | | | 308488 | 2005 <i>TG</i> ₉₅ | | 6 8.0 313°56 | 5°3/ 5.9 16 | | |
| 5 1 | 17 31.58 | -11 54.8 | 2.381 | 3.190 | 12.5 | 20.3 | 5 1 | 17 28.28 | -11 33.7 | 2.102 | 2.925 | 13.5 | 20.4 |
| 5 11 | 17 26.71 | -11 27.6 | 2.301 | 3.195 | 9.9 | 20.2 | 5 11 | 17 24.49 | -10 22.9 | 2.017 | 2.917 | 10.8 | 20.2 |
| 5 21 | 17 20.02 | -11 4.5 | 2.244 | 3.200 | 7.1 | 20.0 | 5 21 | 17 18.73 | -9 14.1 | 1.953 | 2.909 | 8.0 | 20.0 |
| 5 31 | 17 12.04 | -10 47.2 | 2.212 | 3.204 | 4.6 | 19.9 | 5 31 | 17 11.53 | -8 11.1 | 1.916 | 2.902 | 5.7 | 19.9 |
| 6 10 | 17 3.48 | -10 37.2 | 2.209 | 3.207 | 4.0 | 19.8 | 6 10 | 17 3.67 | -7 17.9 | 1.904 | 2.894 | 5.5 | 19.9 |
| 6 20 | 16 55.12 | -10 35.7 | 2.234 | 3.211 | 6.0 | 19.9 | 6 20 | 16 55.97 | -6 37.5 | 1.920 | 2.887 | 7.6 | 20.0 |
| 6 30 | 16 47.71 | -10 43.0 | 2.285 | 3.214 | 8.8 | 20.1 | 6 30 | 16 49.26 | -6 12.0 | 1.960 | 2.880 | 10.4 | 20.1 |
| 7 10 | 16 41.84 | -10 58.8 | 2.360 | 3.216 | 11.4 | 20.3 | 7 10 | 16 44.20 | -6 1.6 | 2.023 | 2.874 | 13.3 | 20.3 |
| 9693 | Bleeker | | 6 8.0 280°80 | 1°4/ 8.2 18 | | | 114783 | 2003 <i>ME</i> ₆ | | 6 8.0 294°48 | 5°0/ 9.3 18 | | |
| 5 1 | 17 34.39 | -25 35.6 | 1.677 | 2.506 | 16.1 | 18.3 | 5 1 | 17 35.65 | -36 2.2 | 1.851 | 2.655 | 15.7 | 19.8 |
| 5 11 | 17 30.38 | -25 51.2 | 1.575 | 2.484 | 12.8 | 18.0 | 5 11 | 17 31.44 | -36 13.3 | 1.737 | 2.624 | 13.0 | 19.6 |
| 5 21 | 17 23.36 | -26 3.8 | 1.493 | 2.461 | 8.8 | 17.7 | 5 21 | 17 24.13 | -36 12.5 | 1.643 | 2.592 | 9.8 | 19.3 |
| 5 31 | 17 13.88 | -26 11.2 | 1.434 | 2.438 | 4.3 | 17.4 | 5 31 | 17 14.26 | -35 55.4 | 1.573 | 2.560 | 6.5 | 19.0 |
| 6 10 | 17 2.97 | -26 12.0 | 1.401 | 2.415 | 1.7 | 17.2 | 6 10 | 17 2.95 | -35 19.3 | 1.527 | 2.528 | 5.0 | 18.9 |
| 6 20 | 16 51.95 | -26 5.9 | 1.394 | 2.392 | 6.1 | 17.4 | 6 20 | 16 51.57 | -34 24.6 | 1.508 | 2.496 | 7.1 | 18.9 |
| 6 30 | 16 42.23 | -25 55.1 | 1.413 | 2.368 | 10.9 | 17.6 | 6 30 | 16 41.58 | -33 15.5 | 1.514 | 2.463 | 10.9 | 19.0 |
| 7 10 | 16 34.98 | -25 43.0 | 1.453 | 2.345 | 15.2 | 17.8 | 7 10 | 16 34.15 | -31 59.1 | 1.543 | 2.430 | 14.7 | 19.2 |
| 30021 | 2000 <i>DP</i> ₆ | | 6 8.0 349°51 | 2°4/ 7.7 17 | | | 83762 | 2001 <i>TH</i> ₁₅₂ | | 6 8.0 298°17 | | | |