

EPHEMERIDES

8 6.9

8 7.0

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 187269 | 2005 <i>TN</i> ₃₃ | | 8 6.9 188°52 | 1.8°/ 5.4 | 18 | | 169892 | 2002 <i>RL</i> ₁₇₃ | | 8 6.9 336°91 | 4.1°/ 3.9 | 18 | |
| 6 30 | 21 32.80 | -20 15.8 | 2.525 | 3.360 | 11.4 | 21.4 | 6 30 | 21 30.23 | -21 45.8 | 1.591 | 2.458 | 15.4 | 19.2 |
| 7 10 | 21 28.43 | -20 52.5 | 2.443 | 3.359 | 8.8 | 21.3 | 7 10 | 21 27.59 | -23 0.3 | 1.516 | 2.450 | 11.9 | 19.0 |
| 7 20 | 21 22.31 | -21 33.7 | 2.384 | 3.358 | 5.8 | 21.1 | 7 20 | 21 22.38 | -24 23.6 | 1.461 | 2.442 | 8.1 | 18.7 |
| 7 30 | 21 14.91 | -22 15.8 | 2.352 | 3.357 | 2.9 | 20.9 | 7 30 | 21 15.15 | -25 48.4 | 1.431 | 2.435 | 4.7 | 18.5 |
| 8 9 | 21 6.88 | -22 54.6 | 2.348 | 3.356 | 2.2 | 20.8 | 8 9 | 21 6.84 | -27 5.9 | 1.426 | 2.428 | 4.8 | 18.5 |
| 8 19 | 20 58.96 | -23 26.7 | 2.373 | 3.354 | 5.0 | 21.0 | 8 19 | 20 58.61 | -28 8.5 | 1.446 | 2.422 | 8.2 | 18.7 |
| 8 29 | 20 51.91 | -23 49.6 | 2.425 | 3.352 | 8.0 | 21.2 | 8 29 | 20 51.71 | -28 51.4 | 1.490 | 2.416 | 12.2 | 18.9 |
| 9 8 | 20 46.35 | -24 2.0 | 2.501 | 3.350 | 10.8 | 21.4 | 9 8 | 20 47.10 | -29 13.1 | 1.555 | 2.412 | 15.7 | 19.1 |
| 391973 | 2008 <i>XX</i> ₁₆ | | 8 6.9 164°64 | 1.2°/ 7.9 | 16 | | 515238 | 2012 <i>BP</i> ₁₅₆ | | 8 6.9 225°49 | 1.7°/ 8.6 | 18 | |
| 6 30 | 21 33.13 | -11 9.3 | 1.921 | 2.747 | 14.8 | 22.1 | 6 30 | 21 29.36 | - 8 7.6 | 2.462 | 3.271 | 12.5 | 21.9 |
| 7 10 | 21 29.13 | -11 22.8 | 1.840 | 2.748 | 11.7 | 21.9 | 7 10 | 21 25.78 | - 8 33.6 | 2.374 | 3.269 | 9.9 | 21.7 |
| 7 20 | 21 23.01 | -11 48.4 | 1.781 | 2.749 | 8.0 | 21.7 | 7 20 | 21 20.57 | - 9 11.8 | 2.307 | 3.267 | 7.0 | 21.5 |
| 7 30 | 21 15.29 | -12 23.7 | 1.746 | 2.750 | 4.0 | 21.5 | 7 30 | 21 14.15 | -10 0.3 | 2.266 | 3.265 | 3.8 | 21.3 |
| 8 9 | 21 6.78 | -13 4.8 | 1.738 | 2.750 | 1.3 | 21.3 | 8 9 | 21 7.11 | -10 55.8 | 2.252 | 3.263 | 1.7 | 21.1 |
| 8 19 | 20 58.41 | -13 47.3 | 1.756 | 2.751 | 4.9 | 21.5 | 8 19 | 21 0.13 | -11 54.3 | 2.267 | 3.261 | 4.0 | 21.3 |
| 8 29 | 20 51.14 | -14 26.8 | 1.802 | 2.751 | 8.9 | 21.8 | 8 29 | 20 53.92 | -12 51.7 | 2.309 | 3.258 | 7.2 | 21.5 |
| 9 8 | 20 45.72 | -14 59.9 | 1.871 | 2.751 | 12.4 | 22.0 | 9 8 | 20 49.09 | -13 44.2 | 2.378 | 3.256 | 10.2 | 21.7 |
| 41395 | 2000 <i>AY</i> ₁₆₉ | | 8 6.9 344°34 | 6.7°/ 11.9 | 18 | | 474634 | 2004 <i>UY</i> | | 8 6.9 268°80 | 14.1°/ 18.7 | 16 | |
| 6 30 | 21 25.29 | + 1 2.0 | 1.624 | 2.429 | 18.0 | 17.9 | 6 30 | 21 34.38 | +26 26.2 | 2.452 | 3.017 | 17.9 | 22.5 |
| 7 10 | 21 23.51 | + 1 24.8 | 1.537 | 2.415 | 15.3 | 17.7 | 7 10 | 21 30.23 | +27 44.5 | 2.336 | 2.986 | 17.0 | 22.3 |
| 7 20 | 21 19.53 | + 1 25.5 | 1.466 | 2.402 | 12.1 | 17.5 | 7 20 | 21 23.94 | +28 40.2 | 2.234 | 2.954 | 16.1 | 22.2 |
| 7 30 | 21 13.81 | + 1 2.1 | 1.417 | 2.391 | 8.9 | 17.3 | 7 30 | 21 15.87 | +29 7.3 | 2.148 | 2.922 | 15.1 | 22.0 |
| 8 9 | 21 7.15 | + 0 15.5 | 1.390 | 2.380 | 6.9 | 17.1 | 8 9 | 21 6.63 | +29 1.1 | 2.080 | 2.888 | 14.4 | 21.9 |
| 8 19 | 21 0.50 | + 0 50.3 | 1.387 | 2.371 | 7.5 | 17.1 | 8 19 | 20 57.07 | +28 19.2 | 2.032 | 2.854 | 14.1 | 21.8 |
| 8 29 | 20 54.91 | - 2 8.8 | 1.408 | 2.363 | 10.3 | 17.3 | 8 29 | 20 48.18 | +27 2.9 | 2.005 | 2.819 | 14.4 | 21.8 |
| 9 8 | 20 51.25 | - 3 31.8 | 1.451 | 2.356 | 13.8 | 17.5 | 9 8 | 20 40.87 | +25 17.5 | 1.998 | 2.783 | 15.4 | 21.8 |
| 13335 | Tobiaswolf | | 8 6.9 297°16 | 4°0/ 4.8 | 18 | | 188370 | 2004 <i>BJ</i> ₁₀₀ | | 8 6.9 120°87 | 1°4/ 7.9 | 17 | |
| 6 30 | 21 38.38 | -26 3.3 | 1.793 | 2.644 | 14.7 | 17.7 | 6 30 | 21 37.04 | -10 37.0 | 1.810 | 2.631 | 15.8 | 21.4 |
| 7 10 | 21 33.65 | -26 21.8 | 1.707 | 2.630 | 11.5 | 17.5 | 7 10 | 21 32.14 | -10 52.9 | 1.742 | 2.646 | 12.4 | 21.3 |
| 7 20 | 21 26.28 | -26 40.9 | 1.642 | 2.616 | 8.0 | 17.2 | 7 20 | 21 24.97 | -11 21.6 | 1.695 | 2.661 | 8.5 | 21.1 |
| 7 30 | 21 16.86 | -26 55.1 | 1.601 | 2.602 | 4.8 | 17.0 | 7 30 | 21 16.16 | -12 0.5 | 1.672 | 2.675 | 4.3 | 20.8 |
| 8 9 | 21 6.40 | -26 58.9 | 1.587 | 2.589 | 4.4 | 17.0 | 8 9 | 21 6.62 | -12 45.1 | 1.677 | 2.689 | 1.5 | 20.7 |
| 8 19 | 20 56.09 | -26 48.8 | 1.599 | 2.575 | 7.5 | 17.1 | 8 19 | 20 57.37 | -13 30.6 | 1.708 | 2.702 | 5.1 | 20.9 |
| 8 29 | 20 47.18 | -26 23.4 | 1.636 | 2.562 | 11.3 | 17.3 | 8 29 | 20 49.40 | -14 12.3 | 1.766 | 2.715 | 9.1 | 21.2 |
| 9 8 | 20 40.61 | -25 44.3 | 1.695 | 2.549 | 14.8 | 17.5 | 9 8 | 20 43.49 | -14 47.0 | 1.849 | 2.727 | 12.6 | 21.5 |
| 511167 | 2013 <i>YC</i> ₅₆ | | 8 6.9 239°97 | 3°8/ 3.7 | 17 | | 437684 | 2014 <i>DT</i> ₇ | | 8 6.9 36°12 | 2°4/ 5.8 | 17 | |
| 6 30 | 21 33.39 | -21 19.8 | 1.895 | 2.746 | 14.0 | 21.2 | 6 30 | 21 38.64 | -22 29.4 | 1.647 | 2.499 | 15.7 | 20.6 |
| 7 10 | 21 29.67 | -22 48.8 | 1.814 | 2.739 | 10.8 | 21.0 | 7 10 | 21 33.71 | -22 32.0 | 1.580 | 2.505 | 12.2 | 20.4 |
| 7 20 | 21 23.60 | -24 26.8 | 1.755 | 2.732 | 7.3 | 20.7 | 7 20 | 21 26.17 | -22 37.1 | 1.534 | 2.511 | 8.2 | 20.2 |
| 7 30 | 21 15.66 | -26 6.5 | 1.723 | 2.725 | 4.3 | 20.5 | 7 30 | 21 16.73 | -22 40.3 | 1.512 | 2.518 | 4.0 | 20.0 |
| 8 9 | 21 6.69 | -27 39.7 | 1.718 | 2.717 | 4.5 | 20.5 | 8 9 | 21 6.49 | -22 37.1 | 1.516 | 2.525 | 2.9 | 19.9 |
| 8 19 | 20 57.73 | -28 58.9 | 1.740 | 2.710 | 7.6 | 20.7 | 8 19 | 20 56.65 | -22 24.8 | 1.546 | 2.532 | 6.6 | 20.2 |
| 8 29 | 20 49.88 | -29 59.1 | 1.787 | 2.702 | 11.2 | 20.9 | 8 29 | 20 48.39 | -22 2.2 | 1.601 | 2.540 | 10.6 | 20.4 |
| 9 8 | 20 44.06 | -30 38.7 | 1.857 | 2.694 | 14.4 | 21.1 | 9 8 | 20 42.53 | -21 30.0 | 1.679 | 2.547 | 14.2 | 20.7 |
| 89672 | 2001 <i>YG</i> ₂₆ | | 8 6.9 49°67 | 5°4/ 2.6 | 18 | | 426112 | 2012 <i>FN</i> ₅₈ | | 8 6.9 110°80 | 0°5/ 7.3 | 17 | |
| 6 30 | 21 33.84 | -28 31.5 | 1.978 | 2.833 | 13.3 | 19.1 | 6 30 | 21 38.02 | -13 15.8 | 1.653 | 2.486 | 16.5 | 21.9 |
| 7 10 | 21 29.83 | -29 41.6 | 1.915 | 2.838 | 10.5 | 18.9 | 7 10 | 21 33.10 | -13 32.0 | 1.588 | 2.501 | 12.9 | 21.7 |
| 7 20 | 21 23.54 | -30 52.0 | 1.874 | 2.843 | 7.6 | 18.8 | 7 20 | 21 25.71 | -14 0.0 | 1.544 | 2.516 | 8.7 | 21.4 |
| 7 30 | 21 15.54 | -31 55.7 | 1.859 | 2.849 | 5.6 | 18.7 | 7 30 | 21 16.52 | -14 36.0 | 1.524 | 2.530 | 4.0 | 21.2 |
| 8 9 | 21 6.75 | -32 46.1 | 1.870 | 2.854 | 6.0 | 18.7 | 8 9 | 21 6.54 | -15 15.1 | 1.530 | 2.544 | 1.0 | 21.0 |
| 8 19 | 20 58.19 | -33 18.8 | 1.906 | 2.860 | 8.3 | 18.9 | 8 19 | 20 56.91 | -15 52.3 | 1.564 | 2.557 | 5.5 | 21.4 |
| 8 29 | 20 50.89 | -33 31.8 | 1.968 | 2.866 | 11.2 | 19.0 | 8 29 | 20 48.73 | -16 23.5 | 1.623 | 2.570 | 9.8 | 21.6 |
| 9 8 | 20 45.64 | -33 26.1 | 2.051 | 2.872 | 13.8 | 19.2 | 9 8 | 20 42.83 | -16 46.0 | 1.705 | 2.583 | 13.5 | 21.9 |
| 338506 | 2003 <i>QO</i> ₅ | | 8 6.9 316°44 | 2°1/ 6.1 | 18 | | 175908 | 2000 <i>AK</i> ₄₃ | | 8 7.0 247°59 | 8°1/ 8.6 | 16 | |
| 6 30 | 21 37.50 | -21 46.7 | 1.522 | 2.379 | 16.5 | 20.0 | 6 30 | 21 48.16 | - 6 53.8 | 1.194 | 2.015 | 22.3 | 19.4 |
| 7 10 | 21 33.41 | -21 39.4 | 1.432 | 2.360 | 13.0 | 19.7 | 7 10 | 21 42.27 | - 4 52.0 | 1.114 | 2.009 | 18.6 | 19.1 |
| 7 20 | 21 26.39 | -21 34.9 | 1.362 | 2.341 | 8.8 | 19.4 | 7 20 | 21 32.66 | - 2 58.7 | 1.052 | 2.002 | 14.3 | 18.8 |
| 7 30 | 21 17.01 | -21 29.2 | 1.315 | 2.322 | 4.2 | 19.1 | 7 30 | 21 19.99 | - 1 19.8 | 1.012 | 1.996 | 10.1 | 18.6 |
| 8 9 | 21 6.35 | -21 17.5 | 1.293 | 2.304 | 2.6 | 18.9 | 8 9 | 21 5.63 | - 0 0.1 | 0.995 | 1.989 | 8.1 | 18.5 |
| 8 19 | 20 55.78 | -20 56.6 | 1.296 | 2.286 | 7.0 | 19.2 | 8 19 | 20 51.38 | + 0 56.9 | 1.003 | 1.982 | 10.4 | 18.6 |
| 8 29 | 20 46.70 | -20 25.2 | 1.324 | 2.269 | 11.8 | 19.4 | 8 29 | 20 39.12 | + 1 31.7 | 1.034 | 1.975 | 14.7 | 18.8 |
| 9 8 | 20 40.23 | -19 43.9 | 1.373 | 2.253 | 16.1 | 19.6 | 9 8 | 20 30.24 | + 1 49.1 | 1.085 | 1.968 | 19.1 | 19.0 |
| 434765 | 2006 <i>JZ</i> ₈ | | 8 6.9 19°84 | 8°1/ 2.5 | 16 | | 60898 | 2000 <i>JQ</i> ₂₅ | | 8 7.0 266°00 | 0°3/ 6.8 | 17 | |
| 6 30 | 21 34.26 | -31 34.7 | 1.306 | 2.185 | 17.4 | 20.0 | 6 30 | 21 38.41 | -16 13.9 | 1.335 | 2.190 | 18.5 | 19.4 |
| 7 10 | 21 31.17 | -32 43.8 | 1.259 | 2.193 | 13.9 | 19.8 | 7 10 | 21 34.19 | -16 17.3 | 1.264 | 2.189 | 14.5 | 19.1 |
| 7 20 | 21 24.87 | -33 49.2 | 1.232 | 2.203 | 10.5 | 19.6 | 7 20 | 21 26.90 | -16 31.2 | 1.211 | 2.189 | 9.8 | 18.9 |
| 7 30 | 21 16.22 | -34 40.8 | 1.226 | 2.213 | 8.3 | 19.5 | 7 30 | 21 17.21 | -16 51.6 | 1.181 | 2.189 | 4.4 | 18.6 |
| 8 9 | 21 6.60 | -35 10.0 | 1.243 | 2.225 | 8.7 | 19.6 | 8 9 | 21 6.35 | -17 13.2 | 1.175 | 2.188 | 1.3 | 18.3 |
| 8 19 | 20 57.56 | -35 12.4 | 1.283 | 2.238 | 11.3 | 19.8 | 8 19 | 20 55.77 | -17 30.6 | 1.194 | 2.188 | 6.8 | 18.7 |
| 8 29 | 20 50.52 | -34 48.2 | 1.344 | 2.252 | 14.6 | 20.0 | 8 29 | 20 46.93 | -17 40.3 | 1.237 | 2.188 | 11.9 | 19.0 |
| 9 8 | 20 46.42 | -34 1.5 | 1.424 | 2.267 | 17.7 | 20.3 | 9 8 | 20 40.90 | -17 40.1 | 1.300 | 2.187 | 16.3 | 19.2 |
| 387481 | 2013 <i>YK</i> ₁₆ | | 8 6.9 35°25 | 4°9/ 9.2 | 18 | | | | | | | | |

EPHEMERIDES

8 7.0

8 7.0

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|----------|-----------|---------|------|---------------|-------------------------------|-----------------|----------|-----------|---------|------|
| 202821 | 2008 <i>SD</i> ₁₀₄ | 8 7.0 | 2°79 | 1.3°/ 7.7 | 16 | | 135631 | 2002 <i>JS</i> ₈₁ | 8 7.0 | 37°34 | 6.4°/ 3.9 | 18 | |
| 6 30 | 21 28.23 | -12 22.5 | 1.176 | 2.047 | 19.4 | 20.1 | 6 30 | 21 38.60 | -27 32.3 | 1.229 | 2.104 | 18.5 | 19.3 |
| 7 10 | 21 26.50 | -12 23.3 | 1.112 | 2.045 | 15.4 | 19.8 | 7 10 | 21 34.68 | -28 25.0 | 1.176 | 2.111 | 14.6 | 19.1 |
| 7 20 | 21 21.85 | -12 40.3 | 1.065 | 2.045 | 10.5 | 19.6 | 7 20 | 21 27.34 | -29 18.4 | 1.142 | 2.119 | 10.3 | 18.9 |
| 7 30 | 21 14.95 | -13 10.7 | 1.039 | 2.046 | 5.2 | 19.3 | 7 30 | 21 17.44 | -30 2.9 | 1.129 | 2.127 | 6.9 | 18.7 |
| 8 9 | 21 6.95 | -13 49.1 | 1.035 | 2.048 | 1.5 | 19.0 | 8 9 | 21 6.44 | -30 29.6 | 1.139 | 2.135 | 7.0 | 18.7 |
| 8 19 | 20 59.23 | -14 29.1 | 1.054 | 2.052 | 6.5 | 19.4 | 8 19 | 20 56.02 | -30 33.1 | 1.173 | 2.144 | 10.3 | 19.0 |
| 8 29 | 20 53.16 | -15 4.3 | 1.095 | 2.057 | 11.7 | 19.7 | 8 29 | 20 47.74 | -30 13.0 | 1.228 | 2.153 | 14.3 | 19.2 |
| 9 8 | 20 49.74 | -15 30.1 | 1.156 | 2.064 | 16.3 | 20.0 | 9 8 | 20 42.62 | -29 32.6 | 1.303 | 2.163 | 18.0 | 19.5 |
| 451275 | 2010 <i>RK</i> ₆₁ | 8 7.0 | 334°64 | 5°3/ 3.5 | 15 | | 151295 | 2002 <i>CY</i> ₃₃ | 8 7.0 | 255°62 | 4°3/ 2.8 | 18 | |
| 6 30 | 21 35.85 | -29 39.5 | 1.912 | 2.765 | 13.8 | 21.1 | 6 30 | 21 32.28 | -25 38.5 | 2.281 | 3.130 | 12.0 | 20.0 |
| 7 10 | 21 31.53 | -30 16.4 | 1.837 | 2.759 | 10.9 | 20.9 | 7 10 | 21 28.46 | -26 56.5 | 2.200 | 3.122 | 9.4 | 19.8 |
| 7 20 | 21 24.75 | -30 51.7 | 1.783 | 2.752 | 7.9 | 20.7 | 7 20 | 21 22.62 | -28 18.1 | 2.143 | 3.115 | 6.6 | 19.6 |
| 7 30 | 21 16.14 | -31 19.4 | 1.755 | 2.746 | 5.7 | 20.6 | 7 30 | 21 15.21 | -29 37.3 | 2.113 | 3.108 | 4.5 | 19.5 |
| 8 9 | 21 6.66 | -31 33.7 | 1.751 | 2.741 | 5.8 | 20.6 | 8 9 | 21 6.97 | -30 47.6 | 2.110 | 3.100 | 4.9 | 19.5 |
| 8 19 | 20 57.42 | -31 31.0 | 1.774 | 2.736 | 8.2 | 20.7 | 8 19 | 20 58.76 | -31 43.7 | 2.135 | 3.093 | 7.3 | 19.6 |
| 8 29 | 20 49.53 | -31 10.5 | 1.821 | 2.731 | 11.3 | 20.9 | 8 29 | 20 51.49 | -32 22.6 | 2.185 | 3.085 | 10.1 | 19.8 |
| 9 8 | 20 43.83 | -30 33.8 | 1.891 | 2.726 | 14.2 | 21.1 | 9 8 | 20 45.95 | -32 43.6 | 2.258 | 3.077 | 12.8 | 20.0 |
| 213553 | 2002 <i>KW</i> ₄ | 8 7.0 | 48°99 | 0°2/ 7.1 | 17 | | 409668 | 2005 <i>YA</i> ₂₀₆ | 8 7.0 | 223°01 | 1°5/ 7.9 | 17 | |
| 6 30 | 21 34.65 | -13 4.9 | 1.187 | 2.049 | 19.9 | 19.9 | 6 30 | 21 35.26 | -9 57.9 | 1.450 | 2.288 | 18.2 | 21.4 |
| 7 10 | 21 31.24 | -13 31.9 | 1.138 | 2.067 | 15.5 | 19.7 | 7 10 | 21 31.61 | -10 22.5 | 1.370 | 2.284 | 14.5 | 21.2 |
| 7 20 | 21 24.82 | -14 15.1 | 1.106 | 2.084 | 10.3 | 19.5 | 7 20 | 21 25.17 | -11 5.5 | 1.309 | 2.280 | 10.0 | 20.9 |
| 7 30 | 21 16.20 | -15 9.2 | 1.095 | 2.103 | 4.7 | 19.2 | 7 30 | 21 16.51 | -12 3.7 | 1.271 | 2.275 | 5.0 | 20.6 |
| 8 9 | 21 6.67 | -16 6.7 | 1.108 | 2.122 | 1.1 | 19.0 | 8 9 | 21 6.65 | -13 11.4 | 1.257 | 2.270 | 1.6 | 20.4 |
| 8 19 | 20 57.67 | -16 59.9 | 1.145 | 2.141 | 6.7 | 19.5 | 8 19 | 20 56.86 | -14 21.1 | 1.269 | 2.264 | 6.2 | 20.7 |
| 8 29 | 20 50.55 | -17 43.0 | 1.206 | 2.161 | 11.7 | 19.8 | 8 29 | 20 48.50 | -15 25.5 | 1.305 | 2.259 | 11.1 | 20.9 |
| 9 8 | 20 46.21 | -18 12.5 | 1.287 | 2.181 | 15.9 | 20.1 | 9 8 | 20 42.61 | -16 19.3 | 1.364 | 2.253 | 15.6 | 21.2 |
| 238910 | 2005 <i>YN</i> ₂₆₉ | 8 7.0 | 142°02 | 0°6/ 7.5 | 17 | | 440203 | 2004 <i>HH</i> ₆₄ | 8 7.0 | 91°66 | 3°1/ 4.6 | 16 | |
| 6 30 | 21 33.84 | -10 54.9 | 2.206 | 3.021 | 13.5 | 21.6 | 6 30 | 21 35.52 | -23 15.0 | 2.125 | 2.968 | 13.0 | 21.6 |
| 7 10 | 21 29.37 | -11 37.2 | 2.129 | 3.032 | 10.6 | 21.4 | 7 10 | 21 30.75 | -24 1.0 | 2.065 | 2.986 | 10.0 | 21.4 |
| 7 20 | 21 23.02 | -12 31.6 | 2.075 | 3.042 | 7.1 | 21.2 | 7 20 | 21 23.96 | -24 49.8 | 2.029 | 3.003 | 6.7 | 21.2 |
| 7 30 | 21 15.28 | -13 34.7 | 2.047 | 3.052 | 3.4 | 21.0 | 7 30 | 21 15.73 | -25 36.2 | 2.018 | 3.020 | 3.8 | 21.1 |
| 8 9 | 21 6.89 | -14 41.7 | 2.048 | 3.061 | 0.8 | 20.8 | 8 9 | 21 6.89 | -26 15.1 | 2.035 | 3.037 | 3.5 | 21.1 |
| 8 19 | 20 58.64 | -15 47.6 | 2.077 | 3.069 | 4.5 | 21.1 | 8 19 | 20 58.35 | -26 42.7 | 2.079 | 3.053 | 6.2 | 21.3 |
| 8 29 | 20 51.37 | -16 47.9 | 2.133 | 3.077 | 8.0 | 21.4 | 8 29 | 20 51.00 | -26 57.1 | 2.149 | 3.070 | 9.3 | 21.5 |
| 9 8 | 20 45.74 | -17 39.2 | 2.215 | 3.085 | 11.2 | 21.6 | 9 8 | 20 45.51 | -26 58.2 | 2.243 | 3.086 | 12.0 | 21.7 |
| 305186 | 2007 <i>VW</i> ₃₁₂ | 8 7.0 | 50°00 | 6°5/ 1.5 | 18 | | 134403 | 1997 <i>SC</i> | 8 7.0 | 345°93 | 4°2/ 8.9 | 18 | |
| 6 30 | 21 33.86 | -30 10.5 | 1.891 | 2.749 | 13.7 | 19.8 | 6 30 | 21 29.58 | -8 42.9 | 1.358 | 2.207 | 18.6 | 18.7 |
| 7 10 | 21 30.05 | -31 41.7 | 1.833 | 2.756 | 10.9 | 19.6 | 7 10 | 21 27.31 | -7 59.4 | 1.278 | 2.194 | 15.1 | 18.5 |
| 7 20 | 21 23.81 | -33 12.6 | 1.797 | 2.763 | 8.2 | 19.5 | 7 20 | 21 22.34 | -7 30.0 | 1.215 | 2.182 | 11.0 | 18.2 |
| 7 30 | 21 15.73 | -34 34.7 | 1.787 | 2.770 | 6.6 | 19.4 | 7 30 | 21 15.24 | -7 15.5 | 1.174 | 2.172 | 6.7 | 17.9 |
| 8 9 | 21 6.79 | -35 40.3 | 1.802 | 2.777 | 7.1 | 19.4 | 8 9 | 21 7.00 | -7 14.7 | 1.156 | 2.163 | 4.2 | 17.8 |
| 8 19 | 20 58.07 | -36 24.3 | 1.843 | 2.784 | 9.4 | 19.6 | 8 19 | 20 58.84 | -7 24.9 | 1.161 | 2.155 | 6.8 | 17.9 |
| 8 29 | 20 50.69 | -36 44.9 | 1.907 | 2.792 | 12.1 | 19.8 | 8 29 | 20 52.06 | -7 41.5 | 1.188 | 2.149 | 11.2 | 18.1 |
| 9 8 | 20 45.49 | -36 43.5 | 1.992 | 2.799 | 14.7 | 20.0 | 9 8 | 20 47.70 | -7 59.8 | 1.237 | 2.144 | 15.5 | 18.4 |
| 164755 | 1998 <i>VK</i> ₂₇ | 8 7.0 | 335°35 | 5°6/ 10.2 | 18 | | 284614 | 2007 <i>UW</i> ₆₅ | 8 7.0 | 320°75 | 0°9/ 6.5 | 18 | |
| 6 30 | 21 30.84 | -3 40.4 | 1.595 | 2.412 | 17.8 | 19.2 | 6 30 | 21 32.26 | -17 22.8 | 1.556 | 2.414 | 16.2 | 20.5 |
| 7 10 | 21 27.87 | -3 2.0 | 1.510 | 2.402 | 14.7 | 18.9 | 7 10 | 21 29.25 | -17 34.1 | 1.466 | 2.394 | 12.7 | 20.3 |
| 7 20 | 21 22.49 | -2 40.6 | 1.444 | 2.393 | 11.2 | 18.7 | 7 20 | 21 23.60 | -17 54.6 | 1.396 | 2.376 | 8.6 | 20.0 |
| 7 30 | 21 15.22 | -2 37.6 | 1.399 | 2.384 | 7.7 | 18.5 | 7 30 | 21 15.82 | -18 20.5 | 1.350 | 2.358 | 3.9 | 19.7 |
| 8 9 | 21 6.94 | -2 52.4 | 1.377 | 2.376 | 5.6 | 18.3 | 8 9 | 21 6.85 | -18 46.8 | 1.327 | 2.340 | 1.6 | 19.5 |
| 8 19 | 20 58.69 | -3 22.0 | 1.381 | 2.368 | 7.0 | 18.4 | 8 19 | 20 57.88 | -19 8.4 | 1.330 | 2.323 | 6.4 | 19.7 |
| 8 29 | 20 51.63 | -4 1.4 | 1.408 | 2.362 | 10.5 | 18.6 | 8 29 | 20 50.19 | -19 21.3 | 1.357 | 2.307 | 11.2 | 20.0 |
| 9 8 | 20 46.68 | -4 44.8 | 1.458 | 2.356 | 14.1 | 18.8 | 9 8 | 20 44.84 | -19 23.5 | 1.406 | 2.291 | 15.4 | 20.2 |
| 364502 | 2007 <i>EV</i> ₆₇ | 8 7.0 | 164°29 | 3°3/ 4.0 | 18 | | 262591 | 2006 <i>VX</i> ₁₀₀ | 8 7.0 | 272°74 | 4°8/ 3.7 | 18 | |
| 6 30 | 21 34.98 | -26 50.0 | 2.809 | 3.644 | 10.4 | 22.3 | 6 30 | 21 35.60 | -23 50.7 | 1.566 | 2.428 | 15.9 | 20.9 |
| 7 10 | 21 29.95 | -27 24.9 | 2.734 | 3.648 | 8.1 | 22.2 | 7 10 | 21 31.99 | -25 0.0 | 1.485 | 2.415 | 12.5 | 20.6 |
| 7 20 | 21 23.26 | -27 59.8 | 2.683 | 3.652 | 5.6 | 22.0 | 7 20 | 21 25.52 | -26 16.6 | 1.425 | 2.403 | 8.6 | 20.4 |
| 7 30 | 21 15.37 | -28 30.7 | 2.659 | 3.655 | 3.6 | 21.9 | 7 30 | 21 16.72 | -27 32.5 | 1.389 | 2.390 | 5.4 | 20.1 |
| 8 9 | 21 6.93 | -28 53.9 | 2.664 | 3.658 | 3.6 | 21.9 | 8 9 | 21 6.63 | -28 38.6 | 1.378 | 2.377 | 5.5 | 20.1 |
| 8 19 | 20 58.67 | -29 6.8 | 2.697 | 3.661 | 5.6 | 22.0 | 8 19 | 20 56.56 | -29 27.4 | 1.392 | 2.363 | 9.0 | 20.3 |
| 8 29 | 20 51.29 | -29 8.1 | 2.757 | 3.663 | 8.0 | 22.2 | 8 29 | 20 47.92 | -29 54.6 | 1.429 | 2.350 | 13.0 | 20.5 |
| 9 8 | 20 45.38 | -28 58.1 | 2.842 | 3.665 | 10.3 | 22.3 | 9 8 | 20 41.83 | -29 59.9 | 1.488 | 2.337 | 16.7 | 20.7 |
| 214629 | 2006 <i>RO</i> ₉₈ | 8 7.0 | 324°56 | 9°9/ 30.9 | 18 | | 259779 | 2004 <i>BB</i> ₃₂ | 8 7.0 | 310°36 | 3°2/ 5.1 | 18 | |
| 6 30 | 21 38.01 | -39 23.2 | 1.726 | 2.577 | 15.2 | 20.0 | 6 30 | 21 30.71 | -18 34.2 | 1.268 | 2.143 | 18.1 | 20.2 |
| 7 10 | 21 33.96 | -40 39.2 | 1.658 | 2.564 | 12.8 | 19.8 | 7 10 | 21 28.85 | -19 31.7 | 1.177 | 2.116 | 14.2 | 19.9 |
| 7 20 | 21 26.81 | -41 47.5 | 1.611 | 2.552 | 10.9 | 19.6 | 7 20 | 21 23.86 | -20 44.9 | 1.105 | 2.089 | 9.6 | 19.5 |
| 7 30 | 21 17.24 | -42 38.3 | 1.586 | 2.540 | 9.9 | 19.6 | 7 30 | 21 16.15 | -22 7.6 | 1.055 | 2.063 | 4.8 | 19.2 |
| 8 9 | 21 6.46 | -43 3.2 | 1.584 | 2.528 | 10.6 | 19.6 | 8 9 | 21 6.74 | -23 29.8 | 1.028 | 2.037 | 3.9 | 19.1 |
| 8 19 | 20 55.95 | -42 58.0 | 1.606 | 2.518 | 12.5 | 19.7 | 8 19 | 20 57.09 | -24 41.2 | 1.024 | 2.011 | 8.9 | 19.3 |
| 8 29 | 20 47.21 | -42 22.8 | 1.648 | 2.507 | 15.0 | 19.8 | 8 29 | 20 48.88 | -25 33.5 | 1.042 | 1.986 | 14.3 | 19.5 |
| 9 8 | 20 41.29 | -41 22.0 | 1.710 | 2.498 | 17.5 | 20.0 | 9 8 | 20 43.52 | -26 2.8 | 1.079 | 1.962 | 19.2 | 19.7 |
| 183746 | 2003 <i>YB</i> ₁₃₈ | 8 7.0 | 122°66 | 1°7/ 5.9 | 17 | | 11847 | Winckelmann | 8 7.0 | 128°34 | 1° | | |

EPHEMERIDES

8 7.0

8 7.1

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|---------------|-------------------------------|-----------------|--------------|----------|---------|------|
| 14059 | 1996 <i>BB</i> ₂ | | 8 7.0 197°01 | 0°4/ 6.8 | 18 | | 349176 | 2007 <i>RD</i> ₆₇ | | 8 7.1 313°62 | 0°3/ 7.2 | 18 | |
| 6 30 | 21 39.96 | -17 3.5 | 1.999 | 2.827 | 14.3 | 19.5 | 6 30 | 21 33.30 | -14 6.6 | 1.751 | 2.592 | 15.4 | 21.2 |
| 7 10 | 21 34.44 | -17 7.8 | 1.913 | 2.824 | 11.2 | 19.3 | 7 10 | 21 29.62 | -14 19.0 | 1.669 | 2.586 | 12.1 | 21.0 |
| 7 20 | 21 26.61 | -17 18.4 | 1.849 | 2.821 | 7.5 | 19.0 | 7 20 | 21 23.60 | -14 42.1 | 1.607 | 2.581 | 8.2 | 20.8 |
| 7 30 | 21 17.04 | -17 32.3 | 1.811 | 2.817 | 3.4 | 18.8 | 7 30 | 21 15.77 | -15 13.0 | 1.569 | 2.575 | 3.8 | 20.5 |
| 8 9 | 21 6.60 | -17 45.7 | 1.800 | 2.813 | 1.1 | 18.6 | 8 9 | 21 7.02 | -15 47.3 | 1.557 | 2.570 | 0.9 | 20.3 |
| 8 19 | 20 56.31 | -17 55.4 | 1.817 | 2.808 | 5.3 | 18.9 | 8 19 | 20 58.38 | -16 20.4 | 1.571 | 2.565 | 5.4 | 20.6 |
| 8 29 | 20 47.21 | -17 58.9 | 1.862 | 2.802 | 9.3 | 19.1 | 8 29 | 20 50.93 | -16 48.2 | 1.611 | 2.561 | 9.7 | 20.8 |
| 9 8 | 20 40.14 | -17 55.1 | 1.931 | 2.796 | 12.8 | 19.3 | 9 8 | 20 45.53 | -17 7.7 | 1.674 | 2.556 | 13.5 | 21.0 |
| 14628 | 1998 <i>VX</i> ₁₈ | | 8 7.0 347°79 | 3°5/ 8.7 | 18 | | 40318 | 1999 <i>LQ</i> ₉ | | 8 7.1 5°62 | 7°4/ 1.2 | 17 | |
| 6 30 | 21 34.62 | - 8 56.7 | 1.203 | 2.053 | 20.4 | 18.1 | 6 30 | 21 28.77 | -25 27.7 | 1.251 | 2.139 | 17.5 | 17.9 |
| 7 10 | 21 31.51 | - 8 33.3 | 1.132 | 2.050 | 16.5 | 17.8 | 7 10 | 21 27.21 | -27 37.7 | 1.195 | 2.138 | 13.7 | 17.6 |
| 7 20 | 21 25.30 | - 8 27.8 | 1.079 | 2.048 | 11.8 | 17.5 | 7 20 | 21 22.57 | -29 55.6 | 1.160 | 2.139 | 9.9 | 17.4 |
| 7 30 | 21 16.63 | - 8 39.5 | 1.045 | 2.046 | 6.7 | 17.3 | 7 30 | 21 15.46 | -32 8.3 | 1.147 | 2.141 | 7.5 | 17.3 |
| 8 9 | 21 6.69 | - 9 5.2 | 1.035 | 2.044 | 3.5 | 17.1 | 8 9 | 21 7.09 | -34 2.0 | 1.158 | 2.144 | 8.5 | 17.4 |
| 8 19 | 20 56.94 | - 9 39.8 | 1.047 | 2.043 | 7.0 | 17.3 | 8 19 | 20 58.93 | -35 26.4 | 1.192 | 2.149 | 11.8 | 17.6 |
| 8 29 | 20 48.90 | -10 16.7 | 1.083 | 2.043 | 12.1 | 17.6 | 8 29 | 20 52.51 | -36 16.9 | 1.247 | 2.154 | 15.6 | 17.8 |
| 9 8 | 20 43.69 | -10 50.2 | 1.138 | 2.043 | 16.7 | 17.8 | 9 8 | 20 48.93 | -36 34.6 | 1.320 | 2.160 | 18.9 | 18.0 |
| 510729 | 2012 <i>VO</i> ₉₄ | | 8 7.0 278°66 | 3°4/ 4.6 | 18 | | 259632 | 2003 <i>WZ</i> ₃₄ | | 8 7.1 245°54 | 1°1/ 7.7 | 18 | |
| 6 30 | 21 34.50 | -22 25.7 | 1.865 | 2.716 | 14.2 | 21.6 | 6 30 | 21 36.98 | -12 21.9 | 1.731 | 2.560 | 16.0 | 21.4 |
| 7 10 | 21 30.64 | -23 14.1 | 1.775 | 2.700 | 11.1 | 21.4 | 7 10 | 21 32.63 | -12 27.7 | 1.637 | 2.547 | 12.7 | 21.2 |
| 7 20 | 21 24.34 | -24 8.6 | 1.707 | 2.684 | 7.5 | 21.1 | 7 20 | 21 25.74 | -12 45.6 | 1.565 | 2.534 | 8.8 | 20.9 |
| 7 30 | 21 16.11 | -25 3.6 | 1.664 | 2.668 | 4.2 | 20.9 | 7 30 | 21 16.82 | -13 13.3 | 1.516 | 2.520 | 4.3 | 20.6 |
| 8 9 | 21 6.81 | -25 52.3 | 1.648 | 2.651 | 3.9 | 20.9 | 8 9 | 21 6.76 | -13 46.8 | 1.493 | 2.506 | 1.2 | 20.3 |
| 8 19 | 20 57.51 | -26 29.4 | 1.657 | 2.635 | 7.2 | 21.0 | 8 19 | 20 56.67 | -14 21.5 | 1.496 | 2.491 | 5.6 | 20.6 |
| 8 29 | 20 49.36 | -26 51.1 | 1.692 | 2.618 | 11.0 | 21.2 | 8 29 | 20 47.77 | -14 52.8 | 1.526 | 2.475 | 10.2 | 20.8 |
| 9 8 | 20 43.31 | -26 56.5 | 1.750 | 2.602 | 14.5 | 21.4 | 9 8 | 20 41.05 | -15 17.3 | 1.579 | 2.460 | 14.3 | 21.1 |
| 378660 | 2008 <i>GQ</i> ₁₀₀ | | 8 7.0 293°38 | 1°5/ 7.9 | 18 | | 189782 | 2002 <i>CX</i> ₂₉₉ | | 8 7.1 271°01 | 0°6/ 7.5 | 18 | |
| 6 30 | 21 33.08 | -10 58.8 | 1.518 | 2.360 | 17.3 | 21.4 | 6 30 | 21 33.34 | -12 23.3 | 1.752 | 2.587 | 15.6 | 20.7 |
| 7 10 | 21 29.86 | -11 10.0 | 1.432 | 2.349 | 13.8 | 21.1 | 7 10 | 21 29.72 | -12 44.5 | 1.664 | 2.578 | 12.3 | 20.5 |
| 7 20 | 21 24.00 | -11 36.7 | 1.366 | 2.337 | 9.6 | 20.8 | 7 20 | 21 23.72 | -13 18.8 | 1.597 | 2.568 | 8.4 | 20.2 |
| 7 30 | 21 16.02 | -12 16.7 | 1.322 | 2.326 | 4.8 | 20.6 | 7 30 | 21 15.87 | -14 3.4 | 1.553 | 2.559 | 4.0 | 20.0 |
| 8 9 | 21 6.87 | -13 5.3 | 1.302 | 2.315 | 1.6 | 20.3 | 8 9 | 21 7.01 | -14 53.5 | 1.536 | 2.549 | 1.0 | 19.7 |
| 8 19 | 20 57.73 | -13 56.6 | 1.308 | 2.304 | 6.0 | 20.6 | 8 19 | 20 58.17 | -15 43.6 | 1.545 | 2.539 | 5.4 | 20.0 |
| 8 29 | 20 49.88 | -14 44.5 | 1.338 | 2.293 | 10.8 | 20.8 | 8 29 | 20 50.48 | -16 28.7 | 1.579 | 2.529 | 9.8 | 20.2 |
| 9 8 | 20 44.36 | -15 24.2 | 1.391 | 2.282 | 15.1 | 21.0 | 9 8 | 20 44.84 | -17 4.8 | 1.637 | 2.519 | 13.8 | 20.5 |
| 187816 | 1999 <i>TL</i> ₁₇₇ | | 8 7.0 336°21 | 5°3/ 11.5 | 18 | | 254201 | 2004 <i>RB</i> ₆₆ | | 8 7.1 334°23 | 1°1/ 6.3 | 18 | |
| 6 30 | 21 29.49 | + 0 32.0 | 2.161 | 2.938 | 15.0 | 20.1 | 6 30 | 21 32.49 | -18 19.7 | 1.970 | 2.815 | 13.8 | 19.9 |
| 7 10 | 21 26.15 | + 0 47.4 | 2.073 | 2.935 | 12.6 | 20.0 | 7 10 | 21 28.76 | -18 33.9 | 1.887 | 2.808 | 10.7 | 19.7 |
| 7 20 | 21 21.00 | + 0 45.6 | 2.004 | 2.932 | 9.8 | 19.8 | 7 20 | 21 22.89 | -18 54.5 | 1.825 | 2.801 | 7.1 | 19.5 |
| 7 30 | 21 14.49 | + 0 26.1 | 1.959 | 2.929 | 7.1 | 19.6 | 7 30 | 21 15.42 | -19 17.9 | 1.788 | 2.795 | 3.2 | 19.2 |
| 8 9 | 21 7.27 | - 0 9.8 | 1.938 | 2.927 | 5.4 | 19.5 | 8 9 | 21 7.14 | -19 40.2 | 1.777 | 2.789 | 1.6 | 19.1 |
| 8 19 | 21 0.11 | - 0 59.1 | 1.944 | 2.924 | 6.1 | 19.5 | 8 19 | 20 58.99 | -19 57.5 | 1.794 | 2.784 | 5.4 | 19.3 |
| 8 29 | 20 53.81 | - 1 57.4 | 1.976 | 2.922 | 8.4 | 19.7 | 8 29 | 20 51.92 | -20 7.2 | 1.836 | 2.778 | 9.2 | 19.6 |
| 9 8 | 20 49.06 | - 2 59.2 | 2.033 | 2.920 | 11.2 | 19.9 | 9 8 | 20 46.71 | -20 7.7 | 1.901 | 2.774 | 12.6 | 19.8 |
| 513452 | 2008 <i>XB</i> ₅₆ | | 8 7.0 231°94 | 4°5/ 9.9 | 18 | | 10721 | Tuturov | | 8 7.1 321°41 | 5°4/ 4.7 | 18 | |
| 6 30 | 21 35.90 | - 3 42.6 | 2.259 | 3.040 | 14.3 | 21.8 | 6 30 | 21 35.47 | -25 32.0 | 1.152 | 2.034 | 19.0 | 17.0 |
| 7 10 | 21 31.08 | - 3 8.5 | 2.159 | 3.029 | 11.8 | 21.6 | 7 10 | 21 32.91 | -26 2.8 | 1.075 | 2.015 | 15.1 | 16.7 |
| 7 20 | 21 24.30 | - 2 46.7 | 2.081 | 3.019 | 9.0 | 21.4 | 7 20 | 21 26.71 | -26 37.4 | 1.015 | 1.997 | 10.6 | 16.4 |
| 7 30 | 21 16.01 | - 2 37.8 | 2.027 | 3.007 | 6.1 | 21.2 | 7 30 | 21 17.50 | -27 7.5 | 0.976 | 1.979 | 6.4 | 16.1 |
| 8 9 | 21 6.90 | - 2 41.2 | 2.000 | 2.995 | 4.5 | 21.1 | 8 9 | 21 6.61 | -27 23.8 | 0.958 | 1.962 | 6.0 | 16.0 |
| 8 19 | 20 57.77 | - 2 55.2 | 2.000 | 2.983 | 5.7 | 21.1 | 8 19 | 20 55.80 | -27 19.6 | 0.963 | 1.946 | 10.2 | 16.2 |
| 8 29 | 20 49.51 | - 3 17.0 | 2.028 | 2.970 | 8.5 | 21.3 | 8 29 | 20 46.96 | -26 52.6 | 0.989 | 1.930 | 15.2 | 16.4 |
| 9 8 | 20 42.87 | - 3 42.7 | 2.081 | 2.957 | 11.5 | 21.5 | 9 8 | 20 41.45 | -26 4.8 | 1.033 | 1.916 | 19.8 | 16.7 |
| 40505 | 1999 <i>RJ</i> ₈₄ | | 8 7.0 300°75 | 2°0/ 8.3 | 18 | | 440534 | 2005 <i>UA</i> ₁₃₆ | | 8 7.1 264°91 | 5°7/ 2.5 | 18 | |
| 6 30 | 21 32.22 | - 9 55.9 | 1.696 | 2.528 | 16.2 | 19.3 | 6 30 | 21 36.24 | -31 46.1 | 2.238 | 3.083 | 12.4 | 21.3 |
| 7 10 | 21 28.92 | - 9 57.4 | 1.605 | 2.514 | 13.0 | 19.1 | 7 10 | 21 31.62 | -32 38.8 | 2.162 | 3.076 | 9.9 | 21.2 |
| 7 20 | 21 23.23 | -10 13.0 | 1.533 | 2.500 | 9.1 | 18.8 | 7 20 | 21 24.78 | -33 29.4 | 2.109 | 3.070 | 7.5 | 21.0 |
| 7 30 | 21 15.64 | -10 41.4 | 1.485 | 2.487 | 4.9 | 18.6 | 7 30 | 21 16.28 | -34 11.7 | 2.081 | 3.063 | 5.8 | 20.9 |
| 8 9 | 21 6.99 | -11 18.9 | 1.462 | 2.473 | 2.1 | 18.3 | 8 9 | 21 6.96 | -34 40.2 | 2.079 | 3.056 | 6.2 | 20.9 |
| 8 19 | 20 58.33 | -12 1.0 | 1.464 | 2.460 | 5.5 | 18.5 | 8 19 | 20 57.80 | -34 51.2 | 2.104 | 3.049 | 8.2 | 21.0 |
| 8 29 | 20 50.80 | -12 42.6 | 1.492 | 2.447 | 9.9 | 18.8 | 8 29 | 20 49.80 | -34 43.6 | 2.154 | 3.042 | 10.8 | 21.2 |
| 9 8 | 20 45.34 | -13 19.2 | 1.543 | 2.434 | 14.0 | 19.0 | 9 8 | 20 43.76 | -34 18.8 | 2.226 | 3.035 | 13.3 | 21.3 |
| 176571 | 2002 <i>BZ</i> ₂ | | 8 7.0 234°17 | 5°5/ 2.1 | 18 | | 396074 | 2013 <i>CW</i> ₇₇ | | 8 7.1 242°90 | 0°5/ 6.6 | 18 | |
| 6 30 | 21 37.48 | -33 8.8 | 2.585 | 3.420 | 11.2 | 20.7 | 6 30 | 21 31.04 | -13 52.2 | 2.170 | 3.002 | 13.2 | 21.4 |
| 7 10 | 21 32.32 | -34 0.2 | 2.502 | 3.409 | 9.0 | 20.6 | 7 10 | 21 27.46 | -14 44.4 | 2.084 | 2.998 | 10.2 | 21.2 |
| 7 20 | 21 25.12 | -34 48.8 | 2.442 | 3.397 | 6.9 | 20.4 | 7 20 | 21 21.96 | -15 47.9 | 2.020 | 2.993 | 6.8 | 21.0 |
| 7 30 | 21 16.38 | -35 29.1 | 2.409 | 3.385 | 5.6 | 20.3 | 7 30 | 21 15.00 | -16 58.8 | 1.982 | 2.989 | 3.1 | 20.8 |
| 8 9 | 21 6.85 | -35 56.1 | 2.403 | 3.373 | 6.0 | 20.3 | 8 9 | 21 7.27 | -18 11.9 | 1.972 | 2.985 | 1.1 | 20.6 |
| 8 19 | 20 57.43 | -36 6.5 | 2.424 | 3.360 | 7.7 | 20.4 | 8 19 | 20 59.58 | -19 21.7 | 1.990 | 2.981 | 4.9 | 20.9 |
| 8 29 | 20 49.03 | -35 59.5 | 2.471 | 3.347 | 10.0 | 20.5 | 8 29 | 20 52.79 | -20 23.3 | 2.035 | 2.976 | 8.6 | 21.1 |
| 9 8 | 20 42.38 | -35 36.1 | 2.540 | 3.334 | 12.3 | 20.7 | 9 8 | 20 47.63 | -21 13.5 | 2.105 | 2.971 | 11.8 | 21.3 |
| 391858 | 2008 <i>TD</i> ₂₀ | | 8 7.0 312°62 | 3°7/ 9.2 | 18 | | 510147 | 2010 <i>VH</i> ₁₅₂ | | 8 7.1 290°53 | 0°3/ | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 40190 | 1998 <i>RL</i> ₇₄ | | 8 7.1 351°24 | 0°1/ 7.1 18 | | | 384764 | 2012 <i>KK</i> | | 8 7.1 337°76 | 8°7/30.1 17 | | |
| 6 30 | 21 31.06 | -15 22.2 | 1.773 | 2.621 | 15.0 | 18.3 | 6 30 | 21 25.20 | -15 14.2 | 0.804 | 1.710 | 22.7 | 19.1 |
| 7 10 | 21 27.84 | -15 23.7 | 1.693 | 2.615 | 11.7 | 18.0 | 7 10 | 21 25.87 | -19 34.1 | 0.743 | 1.701 | 17.4 | 18.7 |
| 7 20 | 21 22.37 | -15 33.8 | 1.634 | 2.610 | 7.9 | 17.8 | 7 20 | 21 22.70 | -24 42.5 | 0.702 | 1.693 | 11.8 | 18.4 |
| 7 30 | 21 15.22 | -15 50.1 | 1.599 | 2.606 | 3.6 | 17.5 | 7 30 | 21 16.00 | -30 12.0 | 0.684 | 1.686 | 8.7 | 18.2 |
| 8 9 | 21 7.23 | -16 8.6 | 1.589 | 2.602 | 0.8 | 17.3 | 8 9 | 21 7.01 | -35 23.5 | 0.690 | 1.679 | 11.7 | 18.3 |
| 8 19 | 20 59.38 | -16 25.8 | 1.605 | 2.599 | 5.3 | 17.6 | 8 19 | 20 57.70 | -39 41.7 | 0.718 | 1.674 | 17.4 | 18.6 |
| 8 29 | 20 52.70 | -16 38.2 | 1.646 | 2.597 | 9.4 | 17.9 | 8 29 | 20 50.57 | -42 48.2 | 0.765 | 1.670 | 22.8 | 18.9 |
| 9 8 | 20 47.98 | -16 43.8 | 1.710 | 2.596 | 13.1 | 18.1 | 9 8 | 20 47.54 | -44 43.6 | 0.826 | 1.668 | 27.3 | 19.2 |
| 187120 | 2005 <i>QO</i> ₈₂ | | 8 7.1 342°62 | 0°9/ 7.6 17 | | | 338863 | 2003 <i>YX</i> ₁₃₆ | | 8 7.1 290°63 | 0°2/ 6.9 18 | | |
| 6 30 | 21 24.66 | -11 22.7 | 1.084 | 1.964 | 20.1 | 19.4 | 6 30 | 21 36.96 | -16 6.6 | 1.931 | 2.764 | 14.5 | 20.6 |
| 7 10 | 21 24.18 | -11 47.1 | 1.009 | 1.948 | 16.0 | 19.1 | 7 10 | 21 32.64 | -16 10.3 | 1.816 | 2.729 | 11.5 | 20.3 |
| 7 20 | 21 20.68 | -12 33.3 | 0.952 | 1.934 | 11.0 | 18.8 | 7 20 | 21 25.85 | -16 22.0 | 1.722 | 2.694 | 7.8 | 20.0 |
| 7 30 | 21 14.70 | -13 38.3 | 0.914 | 1.921 | 5.3 | 18.5 | 7 30 | 21 16.98 | -16 39.0 | 1.652 | 2.659 | 3.6 | 19.7 |
| 8 9 | 21 7.34 | -14 54.7 | 0.897 | 1.910 | 1.2 | 18.1 | 8 9 | 21 6.83 | -16 57.6 | 1.609 | 2.623 | 1.0 | 19.4 |
| 8 19 | 21 0.00 | -16 12.9 | 0.902 | 1.901 | 7.1 | 18.5 | 8 19 | 20 56.43 | -17 13.9 | 1.594 | 2.586 | 5.6 | 19.6 |
| 8 29 | 20 54.26 | -17 22.9 | 0.928 | 1.894 | 12.9 | 18.8 | 8 29 | 20 46.96 | -17 24.4 | 1.605 | 2.549 | 10.1 | 19.8 |
| 9 8 | 20 51.35 | -18 17.4 | 0.974 | 1.888 | 18.0 | 19.1 | 9 8 | 20 39.45 | -17 26.9 | 1.639 | 2.512 | 14.2 | 20.0 |
| 212810 | 2007 <i>TK</i> ₃₈₀ | | 8 7.1 104°48 | 0°5/ 7.4 18 | | | 22217 | 1260 <i>T</i> ₋₂ | | 8 7.1 193°55 | 2°8/ 9.4 18 | | |
| 6 30 | 21 34.37 | -13 41.3 | 1.961 | 2.792 | 14.4 | 20.8 | 6 30 | 21 32.93 | -5 50.5 | 2.167 | 2.966 | 14.2 | 19.1 |
| 7 10 | 21 30.10 | -13 50.5 | 1.885 | 2.796 | 11.3 | 20.6 | 7 10 | 21 28.85 | -6 3.7 | 2.078 | 2.965 | 11.5 | 19.0 |
| 7 20 | 21 23.72 | -14 9.1 | 1.829 | 2.800 | 7.6 | 20.4 | 7 20 | 21 22.86 | -6 31.5 | 2.010 | 2.963 | 8.3 | 18.8 |
| 7 30 | 21 15.79 | -14 34.6 | 1.798 | 2.804 | 3.6 | 20.2 | 7 30 | 21 15.43 | -7 12.7 | 1.967 | 2.961 | 4.9 | 18.5 |
| 8 9 | 21 7.12 | -15 3.1 | 1.794 | 2.807 | 0.8 | 19.9 | 8 9 | 21 7.25 | -8 4.0 | 1.951 | 2.958 | 2.8 | 18.4 |
| 8 19 | 20 58.62 | -15 30.9 | 1.818 | 2.811 | 4.9 | 20.3 | 8 19 | 20 59.12 | -9 1.5 | 1.963 | 2.956 | 4.7 | 18.5 |
| 8 29 | 20 51.25 | -15 54.6 | 1.867 | 2.815 | 8.7 | 20.5 | 8 29 | 20 51.91 | -10 0.3 | 2.002 | 2.952 | 8.1 | 18.7 |
| 9 8 | 20 45.73 | -16 11.7 | 1.941 | 2.819 | 12.2 | 20.7 | 9 8 | 20 46.32 | -10 55.8 | 2.067 | 2.949 | 11.3 | 18.9 |
| 435853 | 2008 <i>WL</i> ₁₃₅ | | 8 7.1 278°82 | 3°7/ 4.4 18 | | | 181451 | 2006 <i>TD</i> ₂₃ | | 8 7.1 290°28 | 1°2/ 6.2 18 | | |
| 6 30 | 21 34.47 | -22 47.3 | 1.829 | 2.682 | 14.3 | 20.9 | 6 30 | 21 32.41 | -17 19.8 | 2.028 | 2.870 | 13.6 | 20.8 |
| 7 10 | 21 30.70 | -23 41.2 | 1.742 | 2.668 | 11.2 | 20.6 | 7 10 | 21 28.69 | -17 52.6 | 1.943 | 2.863 | 10.5 | 20.6 |
| 7 20 | 21 24.46 | -24 41.3 | 1.677 | 2.654 | 7.6 | 20.4 | 7 20 | 21 22.87 | -18 33.6 | 1.880 | 2.856 | 7.0 | 20.4 |
| 7 30 | 21 16.26 | -25 41.5 | 1.636 | 2.639 | 4.4 | 20.2 | 7 30 | 21 15.47 | -19 18.9 | 1.842 | 2.849 | 3.2 | 20.1 |
| 8 9 | 21 6.98 | -26 34.9 | 1.622 | 2.624 | 4.2 | 20.1 | 8 9 | 21 7.24 | -20 3.6 | 1.831 | 2.843 | 1.7 | 20.0 |
| 8 19 | 20 57.71 | -27 15.7 | 1.634 | 2.610 | 7.4 | 20.3 | 8 19 | 20 59.09 | -20 43.0 | 1.847 | 2.836 | 5.4 | 20.2 |
| 8 29 | 20 49.63 | -27 40.0 | 1.671 | 2.595 | 11.2 | 20.5 | 8 29 | 20 51.95 | -21 13.6 | 1.889 | 2.829 | 9.2 | 20.5 |
| 9 8 | 20 43.68 | -27 47.0 | 1.730 | 2.580 | 14.7 | 20.7 | 9 8 | 20 46.61 | -21 33.2 | 1.955 | 2.823 | 12.5 | 20.7 |
| 378671 | 2008 <i>HZ</i> ₁₁ | | 8 7.1 70°73 | 8°5/13.8 17 | | | 307030 | 2001 <i>XT</i> ₁₄₆ | | 8 7.1 195°47 | 4°2/ 3.2 18 | | |
| 6 30 | 21 31.78 | + 6 28.1 | 1.609 | 2.374 | 19.7 | 21.4 | 6 30 | 21 33.65 | -26 11.8 | 2.284 | 3.130 | 12.1 | 21.1 |
| 7 10 | 21 28.52 | + 6 52.4 | 1.536 | 2.381 | 17.0 | 21.2 | 7 10 | 21 29.50 | -27 17.6 | 2.209 | 3.129 | 9.4 | 20.9 |
| 7 20 | 21 22.90 | + 6 49.9 | 1.479 | 2.387 | 13.9 | 21.0 | 7 20 | 21 23.34 | -28 25.7 | 2.158 | 3.128 | 6.6 | 20.7 |
| 7 30 | 21 15.49 | + 6 18.3 | 1.442 | 2.394 | 10.9 | 20.9 | 7 30 | 21 15.66 | -29 30.3 | 2.132 | 3.127 | 4.5 | 20.6 |
| 8 9 | 21 7.19 | + 5 18.6 | 1.428 | 2.401 | 8.8 | 20.8 | 8 9 | 21 7.21 | -30 25.4 | 2.135 | 3.126 | 4.7 | 20.6 |
| 8 19 | 20 59.04 | + 3 55.3 | 1.438 | 2.408 | 8.9 | 20.8 | 8 19 | 20 58.87 | -31 6.7 | 2.164 | 3.124 | 7.0 | 20.8 |
| 8 29 | 20 52.12 | + 2 16.4 | 1.472 | 2.415 | 11.0 | 20.9 | 8 29 | 20 51.53 | -31 31.7 | 2.219 | 3.123 | 9.8 | 20.9 |
| 9 8 | 20 47.29 | + 0 31.4 | 1.529 | 2.422 | 13.9 | 21.1 | 9 8 | 20 45.95 | -31 40.3 | 2.298 | 3.121 | 12.4 | 21.1 |
| 304311 | 2006 <i>SL</i> ₁₅₉ | | 8 7.1 175°57 | 3°9/10.4 18 | | | 397697 | 2008 <i>CD</i> ₁₅₀ | | 8 7.1 54°54 | 2°0/ 8.6 18 | | |
| 6 30 | 21 30.98 | - 2 45.0 | 2.211 | 3.000 | 14.3 | 21.2 | 6 30 | 21 31.82 | - 8 55.2 | 1.977 | 2.797 | 14.7 | 21.2 |
| 7 10 | 21 27.27 | - 2 48.3 | 2.125 | 3.000 | 11.8 | 21.0 | 7 10 | 21 28.03 | - 9 2.6 | 1.908 | 2.809 | 11.7 | 21.1 |
| 7 20 | 21 21.75 | - 3 7.3 | 2.059 | 3.001 | 8.8 | 20.9 | 7 20 | 21 22.29 | - 9 22.9 | 1.859 | 2.822 | 8.2 | 20.9 |
| 7 30 | 21 14.89 | - 3 41.5 | 2.017 | 3.001 | 5.8 | 20.7 | 7 30 | 21 15.14 | - 9 54.1 | 1.835 | 2.835 | 4.4 | 20.7 |
| 8 9 | 21 7.34 | - 4 28.6 | 2.001 | 3.001 | 3.9 | 20.6 | 8 9 | 21 7.35 | -10 32.7 | 1.837 | 2.848 | 2.0 | 20.5 |
| 8 19 | 20 59.87 | - 5 24.8 | 2.013 | 3.001 | 5.1 | 20.6 | 8 19 | 20 59.78 | -11 14.7 | 1.866 | 2.861 | 4.7 | 20.7 |
| 8 29 | 20 53.27 | - 6 25.4 | 2.052 | 3.001 | 7.9 | 20.8 | 8 29 | 20 53.28 | -11 55.9 | 1.922 | 2.874 | 8.2 | 21.0 |
| 9 8 | 20 48.21 | - 7 25.6 | 2.116 | 3.001 | 10.9 | 21.0 | 9 8 | 20 48.52 | -12 32.5 | 2.002 | 2.887 | 11.5 | 21.2 |
| 168107 | 2006 <i>EQ</i> ₄₁ | | 8 7.1 56°73 | 0°2/ 6.9 16 | | | 239516 | 2007 <i>WX</i> ₆₀ | | 8 7.1 6°83 | 5°0/ 9.7 18 | | |
| 6 30 | 21 37.39 | -15 59.0 | 1.570 | 2.415 | 16.7 | 20.3 | 6 30 | 21 30.19 | - 6 23.4 | 1.341 | 2.182 | 19.2 | 18.9 |
| 7 10 | 21 32.67 | -16 5.7 | 1.517 | 2.437 | 12.9 | 20.1 | 7 10 | 21 27.69 | - 5 39.8 | 1.274 | 2.183 | 15.7 | 18.7 |
| 7 20 | 21 25.48 | -16 21.4 | 1.485 | 2.460 | 8.6 | 19.9 | 7 20 | 21 22.54 | - 5 13.6 | 1.225 | 2.185 | 11.6 | 18.4 |
| 7 30 | 21 16.56 | -16 42.3 | 1.476 | 2.483 | 3.8 | 19.7 | 7 30 | 21 15.40 | - 5 5.7 | 1.196 | 2.189 | 7.5 | 18.2 |
| 8 9 | 21 6.98 | -17 3.5 | 1.493 | 2.506 | 1.0 | 19.5 | 8 9 | 21 7.28 | - 5 14.4 | 1.190 | 2.194 | 5.0 | 18.1 |
| 8 19 | 20 57.90 | -17 21.2 | 1.536 | 2.529 | 5.6 | 19.9 | 8 19 | 20 59.41 | - 5 36.3 | 1.207 | 2.200 | 6.9 | 18.2 |
| 8 29 | 20 50.38 | -17 32.3 | 1.605 | 2.553 | 9.9 | 20.2 | 8 29 | 20 53.00 | - 6 6.1 | 1.248 | 2.208 | 10.9 | 18.5 |
| 9 8 | 20 45.18 | -17 35.3 | 1.696 | 2.576 | 13.5 | 20.5 | 9 8 | 20 48.97 | - 6 37.8 | 1.310 | 2.216 | 14.8 | 18.7 |
| 355577 | 2008 <i>CW</i> ₉₃ | | 8 7.1 45°89 | 6°2/ 3.5 18 | | | 176165 | 2001 <i>JK</i> ₇ | | 8 7.1 143°46 | 6°8/ 1.9 18 | | |
| 6 30 | 21 41.10 | -33 31.2 | 1.954 | 2.797 | 14.0 | 20.5 | 6 30 | 21 40.11 | -30 21.0 | 1.770 | 2.621 | 14.8 | 20.3 |
| 7 10 | 21 35.45 | -34 0.3 | 1.894 | 2.806 | 11.2 | 20.3 | 7 10 | 21 35.15 | -31 50.7 | 1.711 | 2.629 | 11.8 | 20.1 |
| 7 20 | 21 27.29 | -34 23.8 | 1.855 | 2.814 | 8.4 | 20.2 | 7 20 | 21 27.42 | -33 19.7 | 1.674 | 2.637 | 8.8 | 19.9 |
| 7 30 | 21 17.38 | -34 35.3 | 1.842 | 2.823 | 6.5 | 20.1 | 7 30 | 21 17.59 | -34 38.9 | 1.662 | 2.645 | 7.0 | 19.8 |
| 8 9 | 21 6.79 | -34 30.0 | 1.854 | 2.833 | 6.6 | 20.1 | 8 9 | 21 6.76 | -35 39.8 | 1.676 | 2.652 | 7.5 | 19.9 |
| 8 19 | 20 56.69 | -34 5.7 | 1.892 | 2.842 | 8.6 | 20.2 | 8 19 | 20 56.22 | -36 16.9 | 1.715 | 2.658 | 9.9 | 20.0 |
| 8 29 | 20 48.17 | -33 23.3 | 1.956 | 2.852 | 11.3 | 20.4 | 8 29 | 20 47.25 | -36 28.9 | 1.779 | 2.664 | 12.8 | 20.2 |
| 9 8 | 20 42.00 | -32 25.9 | 2.041 | 2.862 | 13.9 | 20.6 | 9 8 | 20 40.79 | -36 18.1 | 1.863 | 2.669 | 15.6 | 20.4 |
| 490113 | 2008 <i>UM</i> ₄₉ | | 8 7.1 265°51 | 1°6/ 6.0 18 | | | 379171 | 2009 <i>QM</i> ₅₇ | | 8 7.1 280°43 | | | |

EPHEMERIDES

8 7.1

8 7.1

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|---------------|-------|---------|------|---------------|-------------------------------|-----------------|-----------------|-------|---------|------|
| 504491 | 2008 <i>GD</i> ₁₀₁ | 8 7.1 125°63 | 1.4°/ 6.2 17 | | | | 481469 | 2007 <i>BT</i> ₁₀ | 8 7.1 182°76 | 1.3°/ 6.0 18 | | | |
| 6 30 | 21 37.45 | -17 26.7 | 1.732 | 2.574 | 15.5 | 22.2 | 6 30 | 21 34.54 | -19 38.5 | 2.645 | 3.473 | 11.2 | 22.0 |
| 7 10 | 21 32.78 | -18 1.9 | 1.665 | 2.584 | 12.0 | 22.0 | 7 10 | 21 29.75 | -19 56.8 | 2.561 | 3.473 | 8.6 | 21.8 |
| 7 20 | 21 25.66 | -18 45.7 | 1.618 | 2.594 | 8.0 | 21.8 | 7 20 | 21 23.28 | -20 19.0 | 2.500 | 3.473 | 5.7 | 21.7 |
| 7 30 | 21 16.74 | -19 33.4 | 1.596 | 2.603 | 3.6 | 21.5 | 7 30 | 21 15.59 | -20 42.0 | 2.467 | 3.473 | 2.7 | 21.4 |
| 8 9 | 21 6.98 | -20 18.9 | 1.600 | 2.612 | 1.9 | 21.4 | 8 9 | 21 7.31 | -21 2.7 | 2.462 | 3.472 | 1.6 | 21.4 |
| 8 19 | 20 57.49 | -20 57.1 | 1.631 | 2.620 | 6.0 | 21.7 | 8 19 | 20 59.16 | -21 18.3 | 2.486 | 3.471 | 4.5 | 21.6 |
| 8 29 | 20 49.38 | -21 24.3 | 1.689 | 2.628 | 10.1 | 22.0 | 8 29 | 20 51.86 | -21 26.9 | 2.537 | 3.470 | 7.5 | 21.8 |
| 9 8 | 20 43.47 | -21 39.2 | 1.769 | 2.636 | 13.6 | 22.2 | 9 8 | 20 46.01 | -21 27.5 | 2.614 | 3.468 | 10.2 | 21.9 |
| 122564 | 2000 <i>RY</i> ₅ | 8 7.1 285°71 | 0°9/ 7.6 18 | | | | 193559 | 2001 <i>AM</i> ₄ | 8 7.1 234°40 | 0°7/ 6.5 18 | | | |
| 6 30 | 21 33.20 | -11 58.2 | 1.757 | 2.592 | 15.6 | 19.6 | 6 30 | 21 34.44 | -14 58.6 | 2.357 | 3.180 | 12.5 | 21.4 |
| 7 10 | 21 29.78 | -12 16.0 | 1.656 | 2.569 | 12.4 | 19.4 | 7 10 | 21 30.07 | -15 45.7 | 2.256 | 3.165 | 9.8 | 21.2 |
| 7 20 | 21 23.93 | -12 47.4 | 1.576 | 2.547 | 8.6 | 19.1 | 7 20 | 21 23.76 | -16 42.9 | 2.178 | 3.149 | 6.5 | 21.0 |
| 7 30 | 21 16.10 | -13 30.2 | 1.519 | 2.524 | 4.2 | 18.8 | 7 30 | 21 15.92 | -17 46.5 | 2.126 | 3.133 | 2.9 | 20.7 |
| 8 9 | 21 7.09 | -14 20.0 | 1.489 | 2.502 | 1.1 | 18.5 | 8 9 | 21 7.21 | -18 51.9 | 2.103 | 3.116 | 1.2 | 20.6 |
| 8 19 | 20 57.95 | -15 11.3 | 1.484 | 2.479 | 5.6 | 18.8 | 8 19 | 20 58.43 | -19 53.9 | 2.109 | 3.098 | 4.9 | 20.8 |
| 8 29 | 20 49.84 | -15 58.7 | 1.505 | 2.456 | 10.2 | 19.0 | 8 29 | 20 50.46 | -20 48.2 | 2.143 | 3.079 | 8.5 | 21.0 |
| 9 8 | 20 43.78 | -16 37.9 | 1.549 | 2.433 | 14.3 | 19.2 | 9 8 | 20 44.04 | -21 31.8 | 2.202 | 3.060 | 11.7 | 21.2 |
| 263167 | 2007 <i>VV</i> ₃₁₃ | 8 7.1 109°96 | 1°3/ 5.9 18 | | | | 37927 | 1998 <i>FS</i> ₁₁₅ | 8 7.1 51°60 | 6°8/ 3.9 18 | | | |
| 6 30 | 21 32.43 | -17 16.3 | 2.100 | 2.939 | 13.3 | 20.7 | 6 30 | 21 42.83 | -32 13.4 | 1.568 | 2.422 | 16.3 | 18.5 |
| 7 10 | 21 28.56 | -17 58.4 | 2.023 | 2.942 | 10.2 | 20.5 | 7 10 | 21 37.34 | -32 47.6 | 1.514 | 2.433 | 13.0 | 18.3 |
| 7 20 | 21 22.71 | -18 48.6 | 1.968 | 2.944 | 6.8 | 20.3 | 7 20 | 21 28.83 | -33 16.6 | 1.479 | 2.444 | 9.6 | 18.1 |
| 7 30 | 21 15.37 | -19 42.6 | 1.939 | 2.946 | 3.1 | 20.1 | 7 30 | 21 18.18 | -33 32.6 | 1.468 | 2.455 | 7.2 | 18.0 |
| 8 9 | 21 7.31 | -20 35.3 | 1.938 | 2.949 | 1.8 | 20.0 | 8 9 | 21 6.72 | -33 29.3 | 1.482 | 2.467 | 7.2 | 18.0 |
| 8 19 | 20 59.37 | -21 22.1 | 1.963 | 2.951 | 5.3 | 20.2 | 8 19 | 20 55.89 | -33 4.2 | 1.521 | 2.479 | 9.6 | 18.2 |
| 8 29 | 20 52.46 | -21 59.4 | 2.016 | 2.953 | 8.8 | 20.5 | 8 29 | 20 47.02 | -32 18.7 | 1.583 | 2.491 | 12.8 | 18.4 |
| 9 8 | 20 47.27 | -22 25.0 | 2.092 | 2.955 | 12.0 | 20.7 | 9 8 | 20 40.96 | -31 16.7 | 1.667 | 2.503 | 15.8 | 18.7 |
| 441032 | 2007 <i>FS</i> ₇ | 8 7.1 285°48 | 3°3/ 9.9 18 | | | | 201951 | 2004 <i>JV</i> ₂₆ | 8 7.1 359°78 | 4°6/ 9.2 17 | | | |
| 6 30 | 21 29.90 | -4 10.5 | 2.267 | 3.062 | 13.8 | 21.3 | 6 30 | 21 27.59 | -8 14.5 | 0.892 | 1.773 | 23.3 | 19.5 |
| 7 10 | 21 26.57 | -4 19.9 | 2.161 | 3.043 | 11.3 | 21.1 | 7 10 | 21 26.84 | -7 39.6 | 0.834 | 1.769 | 18.9 | 19.2 |
| 7 20 | 21 21.41 | -4 44.6 | 2.075 | 3.023 | 8.4 | 20.9 | 7 20 | 21 22.63 | -7 27.3 | 0.790 | 1.766 | 13.7 | 18.9 |
| 7 30 | 21 14.83 | -5 24.1 | 2.014 | 3.003 | 5.3 | 20.6 | 7 30 | 21 15.67 | -7 38.4 | 0.764 | 1.765 | 8.1 | 18.6 |
| 8 9 | 21 7.42 | -6 16.0 | 1.979 | 2.983 | 3.3 | 20.5 | 8 9 | 21 7.30 | -8 9.4 | 0.756 | 1.766 | 4.6 | 18.4 |
| 8 19 | 20 59.94 | -7 16.6 | 1.972 | 2.963 | 4.9 | 20.5 | 8 19 | 20 59.20 | -8 53.5 | 0.769 | 1.768 | 7.9 | 18.6 |
| 8 29 | 20 53.21 | -8 21.3 | 1.992 | 2.944 | 8.0 | 20.7 | 8 29 | 20 53.10 | -9 42.0 | 0.802 | 1.772 | 13.4 | 18.9 |
| 9 8 | 20 47.94 | -9 24.8 | 2.037 | 2.924 | 11.3 | 20.9 | 9 8 | 20 50.20 | -10 26.3 | 0.852 | 1.778 | 18.5 | 19.3 |
| 304261 | 2006 <i>RT</i> ₈₀ | 8 7.1 191°16 | 1°0/ 6.3 18 R | | | | 198019 | 2004 <i>RH</i> ₂₂₀ | 8 7.1 247°89 | 0°2/ 7.2 18 | | | |
| 6 30 | 21 33.79 | -17 22.8 | 2.067 | 2.905 | 13.5 | 20.9 | 6 30 | 21 40.11 | -16 34.2 | 1.946 | 2.774 | 14.6 | 19.9 |
| 7 10 | 21 29.64 | -17 47.4 | 1.987 | 2.904 | 10.5 | 20.7 | 7 10 | 21 34.74 | -16 17.3 | 1.854 | 2.764 | 11.5 | 19.7 |
| 7 20 | 21 23.44 | -18 19.2 | 1.929 | 2.904 | 6.9 | 20.5 | 7 20 | 21 27.00 | -16 5.8 | 1.783 | 2.753 | 7.8 | 19.4 |
| 7 30 | 21 15.71 | -18 54.7 | 1.897 | 2.904 | 3.1 | 20.2 | 7 30 | 21 17.42 | -15 57.6 | 1.737 | 2.743 | 3.6 | 19.1 |
| 8 9 | 21 7.23 | -19 29.3 | 1.892 | 2.904 | 1.5 | 20.1 | 8 9 | 21 6.90 | -15 49.8 | 1.719 | 2.732 | 0.8 | 18.9 |
| 8 19 | 20 58.89 | -19 59.0 | 1.914 | 2.903 | 5.2 | 20.4 | 8 19 | 20 56.47 | -15 40.2 | 1.728 | 2.721 | 5.2 | 19.2 |
| 8 29 | 20 51.61 | -20 20.9 | 1.963 | 2.903 | 8.9 | 20.6 | 8 29 | 20 47.23 | -15 27.0 | 1.765 | 2.710 | 9.4 | 19.4 |
| 9 8 | 20 46.11 | -20 33.1 | 2.035 | 2.903 | 12.1 | 20.8 | 9 8 | 20 40.04 | -15 9.3 | 1.826 | 2.698 | 13.1 | 19.6 |
| 156153 | 2001 <i>TM</i> ₇₈ | 8 7.1 297°11 | 3°7/ 4.8 18 | | | | 520112 | 2014 <i>AN</i> ₅₈ | 8 7.1 68°60 | 1°4/ 6.1 17 | | | |
| 6 30 | 21 34.74 | -22 2.5 | 1.547 | 2.408 | 16.1 | 19.8 | 6 30 | 21 33.66 | -16 54.1 | 1.771 | 2.618 | 15.0 | 21.1 |
| 7 10 | 21 31.42 | -22 48.3 | 1.459 | 2.389 | 12.6 | 19.6 | 7 10 | 21 29.85 | -17 35.7 | 1.701 | 2.624 | 11.6 | 20.9 |
| 7 20 | 21 25.25 | -23 41.9 | 1.391 | 2.370 | 8.6 | 19.3 | 7 20 | 21 23.74 | -18 26.9 | 1.653 | 2.630 | 7.7 | 20.6 |
| 7 30 | 21 16.76 | -24 36.9 | 1.347 | 2.352 | 4.7 | 19.0 | 7 30 | 21 15.91 | -19 22.7 | 1.628 | 2.636 | 3.5 | 20.4 |
| 8 9 | 21 6.95 | -25 25.4 | 1.328 | 2.333 | 4.2 | 18.9 | 8 9 | 21 7.26 | -20 17.3 | 1.630 | 2.642 | 1.9 | 20.3 |
| 8 19 | 20 57.10 | -26 0.8 | 1.333 | 2.315 | 8.1 | 19.1 | 8 19 | 20 58.82 | -21 5.1 | 1.659 | 2.648 | 5.9 | 20.6 |
| 8 29 | 20 48.62 | -26 18.6 | 1.363 | 2.296 | 12.5 | 19.3 | 8 29 | 20 51.61 | -21 41.8 | 1.713 | 2.654 | 9.9 | 20.8 |
| 9 8 | 20 42.64 | -26 18.1 | 1.413 | 2.278 | 16.5 | 19.5 | 9 8 | 20 46.46 | -22 5.6 | 1.790 | 2.660 | 13.4 | 21.1 |
| 123062 | 2000 <i>SY</i> ₃₀₂ | 8 7.1 219°28 | 1.4°/ 6.1 18 | | | | 24029 | 1999 <i>RT</i> ₁₉₈ | 8 7.1 259°04 | 11°2/ 15.6 18 R | | | |
| 6 30 | 21 37.74 | -19 2.4 | 2.153 | 2.984 | 13.3 | 20.9 | 6 30 | 21 34.43 | +14 37.2 | 2.024 | 2.708 | 18.5 | 18.3 |
| 7 10 | 21 32.71 | -19 21.9 | 2.063 | 2.977 | 10.3 | 20.7 | 7 10 | 21 30.56 | +15 22.6 | 1.911 | 2.683 | 16.8 | 18.1 |
| 7 20 | 21 25.52 | -19 47.0 | 1.995 | 2.968 | 6.9 | 20.5 | 7 20 | 21 24.42 | +15 43.6 | 1.814 | 2.657 | 14.9 | 17.9 |
| 7 30 | 21 16.69 | -20 14.0 | 1.953 | 2.959 | 3.2 | 20.2 | 7 30 | 21 16.37 | +15 35.0 | 1.736 | 2.630 | 12.9 | 17.8 |
| 8 9 | 21 7.01 | -20 38.7 | 1.939 | 2.950 | 1.8 | 20.1 | 8 9 | 21 7.11 | +14 53.7 | 1.679 | 2.602 | 11.5 | 17.6 |
| 8 19 | 20 57.40 | -20 57.4 | 1.953 | 2.940 | 5.4 | 20.3 | 8 19 | 20 57.57 | +13 39.8 | 1.646 | 2.573 | 11.3 | 17.5 |
| 8 29 | 20 48.84 | -21 7.5 | 1.994 | 2.929 | 9.0 | 20.5 | 8 29 | 20 48.83 | +11 57.7 | 1.637 | 2.544 | 12.5 | 17.5 |
| 9 8 | 20 42.13 | -21 7.9 | 2.059 | 2.918 | 12.3 | 20.7 | 9 8 | 20 41.86 | +9 55.8 | 1.652 | 2.514 | 14.7 | 17.6 |
| 209235 | 2003 <i>WT</i> ₉₇ | 8 7.1 326°40 | 0°4/ 7.3 18 | | | | 310653 | 2002 <i>DM</i> ₁ | 8 7.1 115°18 | 1°7/ 8.1 17 | | | |
| 6 30 | 21 28.45 | -12 50.3 | 1.418 | 2.278 | 17.4 | 20.4 | 6 30 | 21 37.73 | -10 24.3 | 1.526 | 2.357 | 17.8 | 21.1 |
| 7 10 | 21 26.59 | -13 13.4 | 1.328 | 2.256 | 13.8 | 20.1 | 7 10 | 21 33.24 | -10 33.5 | 1.459 | 2.368 | 14.1 | 20.9 |
| 7 20 | 21 22.06 | -13 52.8 | 1.256 | 2.234 | 9.4 | 19.8 | 7 20 | 21 26.12 | -10 57.7 | 1.411 | 2.379 | 9.7 | 20.7 |
| 7 30 | 21 15.33 | -14 45.5 | 1.206 | 2.214 | 4.5 | 19.4 | 7 30 | 21 17.04 | -11 34.3 | 1.386 | 2.389 | 5.0 | 20.4 |
| 8 9 | 21 7.32 | -15 45.8 | 1.180 | 2.194 | 1.0 | 19.1 | 8 9 | 21 7.05 | -12 18.4 | 1.387 | 2.399 | 1.8 | 20.2 |
| 8 19 | 20 59.21 | -16 46.6 | 1.179 | 2.175 | 6.4 | 19.4 | 8 19 | 20 57.35 | -13 4.4 | 1.414 | 2.409 | 5.7 | 20.5 |
| 8 29 | 20 52.36 | -17 40.8 | 1.200 | 2.157 | 11.5 | 19.7 | 8 29 | 20 49.14 | -13 46.9 | 1.466 | 2.418 | 10.2 | 20.8 |
| 9 8 | 20 47.88 | -18 23.1 | 1.243 | 2.141 | 16.1 | 19.9 | 9 8 | 20 43.32 | -14 21.9 | 1.541 | 2.427 | 14.2 | 21.1 |
| 519694 | 2013 <i>AQ</i> ₁₈₆ | 8 7.1 292°80 | 0°0/ 6.9 18 | | | | 476424 | 2008 <i>DS</i> ₅₉ | 8 7.1 217 | | | | |

EPHEMERIDES

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|---------------|-------|---------|------|---------------|-------------------------------|-----------------|--------------|-------|---------|------|
| 274149 | 2008 <i>FA</i> ₆₇ | 8 7.1 46°49' | 5°0'/11.5 18 | | | | 44884 | 1999 <i>UT</i> ₅₆ | 8 7.1 27°44' | 5°2'/9.8 18 | | | |
| 6 30 | 21 30.21 | + 0 7.6 | 2.190 | 2.967 | 14.8 | 20.9 | 6 30 | 21 34.44 | - 5 29.4 | 1.303 | 2.135 | 20.1 | 19.3 |
| 7 10 | 21 26.69 | + 0 19.5 | 2.109 | 2.971 | 12.3 | 20.7 | 7 10 | 21 31.11 | - 4 53.0 | 1.236 | 2.140 | 16.5 | 19.1 |
| 7 20 | 21 21.41 | + 0 14.6 | 2.047 | 2.976 | 9.6 | 20.6 | 7 20 | 21 24.94 | - 4 35.8 | 1.187 | 2.145 | 12.2 | 18.9 |
| 7 30 | 21 14.82 | - 0 7.3 | 2.008 | 2.980 | 6.9 | 20.4 | 7 30 | 21 16.60 | - 4 38.7 | 1.158 | 2.150 | 7.9 | 18.6 |
| 8 9 | 21 7.58 | - 0 44.8 | 1.995 | 2.985 | 5.1 | 20.3 | 8 9 | 21 7.20 | - 4 59.6 | 1.153 | 2.156 | 5.2 | 18.5 |
| 8 19 | 21 0.45 | - 1 34.5 | 2.009 | 2.990 | 5.8 | 20.4 | 8 19 | 20 58.06 | - 5 34.1 | 1.171 | 2.163 | 7.2 | 18.6 |
| 8 29 | 20 54.19 | - 2 31.9 | 2.049 | 2.995 | 8.2 | 20.5 | 8 29 | 20 50.52 | - 6 15.9 | 1.212 | 2.170 | 11.3 | 18.9 |
| 9 8 | 20 49.46 | - 3 32.0 | 2.113 | 3.000 | 10.9 | 20.7 | 9 8 | 20 45.54 | - 6 58.5 | 1.275 | 2.177 | 15.4 | 19.2 |
| 325422 | 2009 <i>NN</i> ₁ | 8 7.1 14°65' | 2°9'/8.1 17 | | | | 3507 | <i>Vilas</i> | 8 7.1 30°01' | 1°4'/6.1 18 | | | |
| 6 30 | 21 35.34 | -13 13.4 | 1.047 | 1.918 | 21.4 | 19.7 | 6 30 | 21 31.56 | -17 39.9 | 1.851 | 2.700 | 14.4 | 15.7 |
| 7 10 | 21 32.34 | -12 17.2 | 0.991 | 1.922 | 17.0 | 19.4 | 7 10 | 21 28.10 | -18 13.7 | 1.785 | 2.709 | 11.1 | 15.5 |
| 7 20 | 21 25.97 | -11 33.0 | 0.951 | 1.928 | 11.9 | 19.1 | 7 20 | 21 22.51 | -18 55.3 | 1.741 | 2.718 | 7.3 | 15.3 |
| 7 30 | 21 17.08 | -11 0.8 | 0.931 | 1.935 | 6.3 | 18.9 | 7 30 | 21 15.36 | -19 40.5 | 1.721 | 2.728 | 3.3 | 15.1 |
| 8 9 | 21 7.07 | -10 38.7 | 0.933 | 1.944 | 3.0 | 18.7 | 8 9 | 21 7.51 | -20 23.9 | 1.727 | 2.739 | 1.8 | 15.0 |
| 8 19 | 20 57.56 | -10 24.3 | 0.957 | 1.955 | 7.2 | 19.0 | 8 19 | 20 59.90 | -21 1.0 | 1.760 | 2.750 | 5.6 | 15.3 |
| 8 29 | 20 50.10 | -10 14.0 | 1.003 | 1.966 | 12.4 | 19.3 | 8 29 | 20 53.46 | -21 28.1 | 1.819 | 2.761 | 9.3 | 15.5 |
| 9 8 | 20 45.71 | -10 4.5 | 1.068 | 1.979 | 17.0 | 19.6 | 9 8 | 20 48.92 | -21 43.8 | 1.901 | 2.773 | 12.6 | 15.8 |
| 318276 | 2004 <i>TH</i> ₁₆ | 8 7.1 229°42' | 8°3'/28.7 18 | | | | 206939 | 2004 <i>RP</i> ₈₂ | 8 7.1 325°86' | 2°0'/6.2 17 | | | |
| 6 30 | 21 43.67 | -48 2.0 | 3.066 | 3.858 | 10.6 | 21.6 | 6 30 | 21 33.55 | -18 26.1 | 1.118 | 1.997 | 19.7 | 20.7 |
| 7 10 | 21 37.26 | -49 4.8 | 2.997 | 3.846 | 9.5 | 21.5 | 7 10 | 21 31.28 | -18 46.9 | 1.045 | 1.984 | 15.5 | 20.4 |
| 7 20 | 21 28.54 | -49 57.5 | 2.951 | 3.834 | 8.6 | 21.5 | 7 20 | 21 25.59 | -19 19.6 | 0.989 | 1.973 | 10.4 | 20.1 |
| 7 30 | 21 18.10 | -50 34.1 | 2.930 | 3.821 | 8.3 | 21.4 | 7 30 | 21 17.10 | -19 58.4 | 0.953 | 1.961 | 4.9 | 19.8 |
| 8 9 | 21 6.82 | -50 50.0 | 2.933 | 3.808 | 8.8 | 21.4 | 8 9 | 21 7.07 | -20 35.5 | 0.939 | 1.951 | 2.7 | 19.6 |
| 8 19 | 20 55.75 | -50 43.1 | 2.960 | 3.794 | 9.8 | 21.5 | 8 19 | 20 57.13 | -21 3.3 | 0.948 | 1.941 | 8.2 | 19.9 |
| 8 29 | 20 45.93 | -50 13.7 | 3.011 | 3.780 | 11.1 | 21.6 | 8 29 | 20 49.05 | -21 16.6 | 0.978 | 1.933 | 13.8 | 20.2 |
| 9 8 | 20 38.17 | -49 24.8 | 3.081 | 3.766 | 12.5 | 21.7 | 9 8 | 20 44.10 | -21 13.7 | 1.027 | 1.925 | 18.7 | 20.4 |
| 266761 | 2009 <i>SY</i> ₁₁₆ | 8 7.1 271°50' | 0°8'/7.7 17 | | | | 204655 | 2006 <i>BJ</i> ₁₉₃ | 8 7.1 53°42' | 1°4'/7.8 17 | | | |
| 6 30 | 21 31.68 | -12 46.1 | 2.506 | 3.325 | 12.0 | 21.5 | 6 30 | 21 36.86 | -12 0.1 | 1.158 | 2.015 | 20.6 | 20.4 |
| 7 10 | 21 27.72 | -12 53.5 | 2.409 | 3.313 | 9.4 | 21.3 | 7 10 | 21 33.18 | -12 2.0 | 1.105 | 2.030 | 16.2 | 20.1 |
| 7 20 | 21 22.06 | -13 9.0 | 2.334 | 3.301 | 6.5 | 21.1 | 7 20 | 21 26.37 | -12 20.5 | 1.069 | 2.045 | 11.1 | 19.9 |
| 7 30 | 21 15.13 | -13 30.9 | 2.285 | 3.289 | 3.2 | 20.9 | 7 30 | 21 17.23 | -12 52.0 | 1.054 | 2.060 | 5.4 | 19.6 |
| 8 9 | 21 7.51 | -13 56.4 | 2.264 | 3.277 | 0.9 | 20.7 | 8 9 | 21 7.10 | -13 30.7 | 1.063 | 2.076 | 1.6 | 19.4 |
| 8 19 | 20 59.92 | -14 22.7 | 2.272 | 3.265 | 4.1 | 20.9 | 8 19 | 20 57.48 | -14 9.7 | 1.095 | 2.092 | 6.6 | 19.8 |
| 8 29 | 20 53.10 | -14 46.7 | 2.307 | 3.253 | 7.4 | 21.1 | 8 29 | 20 49.81 | -14 43.4 | 1.150 | 2.108 | 11.8 | 20.1 |
| 9 8 | 20 47.68 | -15 6.3 | 2.367 | 3.241 | 10.4 | 21.3 | 9 8 | 20 45.02 | -15 7.9 | 1.226 | 2.125 | 16.2 | 20.5 |
| 178215 | 2006 <i>VM</i> ₇₉ | 8 7.1 7°33' | 3°3'/5.2 17 | | | | 437441 | 2013 <i>YJ</i> ₆ | 8 7.1 200°77' | 1°1'/6.3 18 | | | |
| 6 30 | 21 28.90 | -18 49.2 | 1.059 | 1.949 | 19.7 | 19.8 | 6 30 | 21 35.55 | -17 5.4 | 2.107 | 2.940 | 13.5 | 22.2 |
| 7 10 | 21 27.55 | -19 46.7 | 1.003 | 1.949 | 15.3 | 19.5 | 7 10 | 21 31.06 | -17 39.1 | 2.022 | 2.937 | 10.5 | 22.0 |
| 7 20 | 21 22.93 | -20 57.7 | 0.964 | 1.951 | 10.2 | 19.2 | 7 20 | 21 24.47 | -18 20.8 | 1.960 | 2.934 | 7.0 | 21.8 |
| 7 30 | 21 15.76 | -22 13.8 | 0.946 | 1.954 | 5.0 | 19.0 | 7 30 | 21 16.29 | -19 6.5 | 1.923 | 2.930 | 3.2 | 21.6 |
| 8 9 | 21 7.36 | -23 24.3 | 0.949 | 1.958 | 4.0 | 18.9 | 8 9 | 21 7.30 | -19 51.6 | 1.914 | 2.926 | 1.6 | 21.4 |
| 8 19 | 20 59.30 | -24 19.7 | 0.975 | 1.964 | 8.8 | 19.2 | 8 19 | 20 58.38 | -20 31.3 | 1.933 | 2.921 | 5.3 | 21.7 |
| 8 29 | 20 53.13 | -24 54.1 | 1.021 | 1.971 | 13.9 | 19.5 | 8 29 | 20 50.50 | -21 2.3 | 1.978 | 2.916 | 9.0 | 21.9 |
| 9 8 | 20 49.96 | -25 6.2 | 1.086 | 1.979 | 18.3 | 19.8 | 9 8 | 20 44.41 | -21 22.5 | 2.048 | 2.910 | 12.3 | 22.1 |
| 354285 | 2002 <i>RQ</i> ₂₆₃ | 8 7.1 284°48' | 3°5'/9.6 18 | | | | 108812 | 2001 <i>OG</i> ₇₅ | 8 7.1 306°85' | 6°1'/1.6 18 | | | |
| 6 30 | 21 31.93 | - 5 34.4 | 1.968 | 2.775 | 15.2 | 21.4 | 6 30 | 21 32.00 | -26 31.6 | 1.793 | 2.655 | 14.2 | 19.0 |
| 7 10 | 21 28.45 | - 5 29.4 | 1.868 | 2.758 | 12.4 | 21.2 | 7 10 | 21 29.06 | -28 18.3 | 1.712 | 2.641 | 11.2 | 18.8 |
| 7 20 | 21 22.87 | - 5 39.5 | 1.787 | 2.740 | 9.2 | 21.0 | 7 20 | 21 23.59 | -30 11.4 | 1.655 | 2.627 | 8.1 | 18.6 |
| 7 30 | 21 15.61 | - 6 4.4 | 1.730 | 2.722 | 5.7 | 20.7 | 7 30 | 21 16.05 | -32 1.9 | 1.622 | 2.613 | 6.2 | 18.4 |
| 8 9 | 21 7.39 | - 6 42.1 | 1.699 | 2.704 | 3.5 | 20.5 | 8 9 | 21 7.33 | -33 40.0 | 1.616 | 2.599 | 6.9 | 18.4 |
| 8 19 | 20 59.10 | - 7 28.9 | 1.695 | 2.687 | 5.4 | 20.6 | 8 19 | 20 58.53 | -34 57.8 | 1.635 | 2.586 | 9.7 | 18.6 |
| 8 29 | 20 51.71 | - 8 20.0 | 1.716 | 2.669 | 9.0 | 20.8 | 8 29 | 20 50.91 | -35 50.4 | 1.679 | 2.573 | 13.0 | 18.7 |
| 9 8 | 20 46.07 | - 9 10.4 | 1.762 | 2.651 | 12.6 | 21.0 | 9 8 | 20 45.48 | -36 17.6 | 1.742 | 2.560 | 16.0 | 18.9 |
| 425752 | 2011 <i>BY</i> ₁₆₀ | 8 7.1 215°30' | 1°1'/7.9 18 | | | | 174233 | 2002 <i>RH</i> ₈₂ | 8 7.1 282°85' | 5°8'/3.4 18 | | | |
| 6 30 | 21 36.09 | -11 27.9 | 1.920 | 2.742 | 15.0 | 22.1 | 6 30 | 21 41.23 | -31 10.9 | 2.050 | 2.891 | 13.5 | 19.6 |
| 7 10 | 21 31.66 | -11 40.5 | 1.831 | 2.736 | 11.9 | 21.9 | 7 10 | 21 35.99 | -31 48.4 | 1.951 | 2.864 | 10.9 | 19.4 |
| 7 20 | 21 24.97 | -12 5.0 | 1.763 | 2.730 | 8.2 | 21.7 | 7 20 | 21 28.10 | -32 24.2 | 1.874 | 2.836 | 8.1 | 19.2 |
| 7 30 | 21 16.54 | -12 39.2 | 1.720 | 2.723 | 4.1 | 21.4 | 7 30 | 21 18.08 | -32 51.5 | 1.822 | 2.808 | 6.1 | 19.0 |
| 8 9 | 21 7.18 | -13 19.2 | 1.703 | 2.716 | 1.2 | 21.2 | 8 9 | 21 6.87 | -33 4.0 | 1.796 | 2.780 | 6.2 | 19.0 |
| 8 19 | 20 57.87 | -14 0.5 | 1.714 | 2.708 | 5.1 | 21.5 | 8 19 | 20 55.64 | -32 57.5 | 1.797 | 2.752 | 8.7 | 19.1 |
| 8 29 | 20 49.63 | -14 38.8 | 1.752 | 2.700 | 9.2 | 21.7 | 8 29 | 20 45.65 | -32 30.7 | 1.823 | 2.723 | 11.8 | 19.2 |
| 9 8 | 20 43.33 | -15 10.5 | 1.813 | 2.691 | 12.8 | 21.9 | 9 8 | 20 37.92 | -31 45.6 | 1.872 | 2.694 | 14.9 | 19.3 |
| 495313 | 2014 <i>EW</i> ₄₉ | 8 7.1 151°61' | 11°6'/17.2 17 | | | | 521405 | 2015 <i>MN</i> ₁₄₄ | 8 7.1 46°73' | 4°2'/10.3 18 | | | |
| 6 30 | 21 33.91 | +15 3.6 | 1.275 | 2.010 | 25.3 | 21.4 | 6 30 | 21 32.19 | - 3 43.3 | 2.156 | 2.948 | 14.5 | 20.7 |
| 7 10 | 21 30.98 | +14 54.9 | 1.199 | 2.014 | 22.6 | 21.2 | 7 10 | 21 28.24 | - 3 19.6 | 2.076 | 2.953 | 11.9 | 20.6 |
| 7 20 | 21 25.06 | +14 2.4 | 1.136 | 2.018 | 19.2 | 21.0 | 7 20 | 21 22.46 | - 3 9.6 | 2.016 | 2.958 | 9.0 | 20.4 |
| 7 30 | 21 16.74 | +12 20.0 | 1.089 | 2.021 | 15.6 | 20.8 | 7 30 | 21 15.33 | - 3 13.6 | 1.981 | 2.964 | 6.0 | 20.2 |
| 8 9 | 21 7.14 | + 9 48.2 | 1.063 | 2.024 | 12.6 | 20.6 | 8 9 | 21 7.55 | - 3 30.1 | 1.971 | 2.969 | 4.3 | 20.1 |
| 8 19 | 20 57.61 | + 6 35.9 | 1.060 | 2.027 | 11.7 | 20.6 | 8 19 | 20 59.89 | - 3 56.5 | 1.989 | 2.975 | 5.4 | 20.2 |
| 8 29 | 20 49.65 | + 2 59.9 | 1.081 | 2.029 | 13.5 | 20.7 | 8 29 | 20 53.18 | - 4 29.1 | 2.033 | 2.981 | 8.1 | 20.4 |
| 9 8 | 20 44.39 | - 0 39.5 | 1.127 | 2.031 | 16.9 | 20.9 | 9 8 | 20 48.06 | - 5 4.0 | 2.101 | 2.987 | 11.0 | 20.6 |
| 162002 | <i>Spalatin</i> | 8 7.1 341°69' | 0°3'/6.9 18 | | | | 429612 | 2011 <i>FG</i> ₁₈ | 8 7.1 76°72' | 1°2'/7.9 17 | | | |

EPHEMERIDES

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|----------|---------|------|---------------|------------------------|-----------------|--------------|----------|---------|------|
| 471715 | 2012 TV ₃₀₆ | | 8 7.1 326°37 | 5°0/ 4.1 | 16 | | 445361 | 2010 OS ₃₃ | | 8 7.1 311°02 | 5°0/10.7 | 15 | |
| 6 30 | 21 28.80 | -22 44.3 | 1.252 | 2.137 | 17.6 | 20.6 | 6 30 | 21 30.46 | -2 7.5 | 2.032 | 2.825 | 15.3 | 21.5 |
| 7 10 | 21 27.56 | -23 42.5 | 1.162 | 2.106 | 13.9 | 20.2 | 7 10 | 21 27.22 | -1 44.6 | 1.935 | 2.810 | 12.7 | 21.3 |
| 7 20 | 21 23.19 | -24 51.8 | 1.091 | 2.075 | 9.7 | 19.9 | 7 20 | 21 22.01 | -1 37.4 | 1.858 | 2.796 | 9.8 | 21.1 |
| 7 30 | 21 16.11 | -26 4.4 | 1.040 | 2.045 | 5.8 | 19.6 | 7 30 | 21 15.25 | -1 46.7 | 1.803 | 2.782 | 6.9 | 20.9 |
| 8 9 | 21 7.34 | -27 10.2 | 1.013 | 2.016 | 5.7 | 19.5 | 8 9 | 21 7.63 | -2 11.4 | 1.773 | 2.769 | 5.0 | 20.8 |
| 8 19 | 20 58.33 | -27 59.3 | 1.007 | 1.989 | 10.0 | 19.7 | 8 19 | 20 59.98 | -2 49.1 | 1.770 | 2.755 | 6.0 | 20.8 |
| 8 29 | 20 50.82 | -28 25.1 | 1.023 | 1.963 | 15.0 | 19.8 | 8 29 | 20 53.20 | -3 35.4 | 1.793 | 2.742 | 8.9 | 21.0 |
| 9 8 | 20 46.20 | -28 25.6 | 1.057 | 1.938 | 19.6 | 20.0 | 9 8 | 20 48.07 | -4 25.1 | 1.839 | 2.729 | 12.1 | 21.1 |
| 423918 | 2006 SS ₃₅₀ | | 8 7.1 302°30 | 2°8/ 8.5 | 18 | | 392026 | 2009 BQ ₂₇ | | 8 7.1 178°12 | 1°8/ 5.8 | 18 | |
| 6 30 | 21 34.22 | -9 56.3 | 1.395 | 2.237 | 18.5 | 20.8 | 6 30 | 21 35.22 | -19 31.3 | 2.024 | 2.865 | 13.6 | 22.0 |
| 7 10 | 21 31.11 | -9 40.6 | 1.308 | 2.223 | 15.0 | 20.5 | 7 10 | 21 30.88 | -20 2.2 | 1.947 | 2.866 | 10.6 | 21.8 |
| 7 20 | 21 25.15 | -9 40.2 | 1.239 | 2.208 | 10.6 | 20.3 | 7 20 | 21 24.39 | -20 39.1 | 1.891 | 2.866 | 7.0 | 21.6 |
| 7 30 | 21 16.84 | -9 54.2 | 1.192 | 2.194 | 5.9 | 20.0 | 7 30 | 21 16.29 | -21 17.7 | 1.860 | 2.866 | 3.3 | 21.4 |
| 8 9 | 21 7.20 | -10 19.6 | 1.168 | 2.179 | 2.8 | 19.7 | 8 9 | 21 7.41 | -21 53.1 | 1.857 | 2.866 | 2.2 | 21.3 |
| 8 19 | 20 57.52 | -10 51.8 | 1.169 | 2.165 | 6.4 | 19.9 | 8 19 | 20 58.68 | -22 21.2 | 1.881 | 2.866 | 5.7 | 21.5 |
| 8 29 | 20 49.21 | -11 25.3 | 1.194 | 2.152 | 11.4 | 20.2 | 8 29 | 20 51.06 | -22 39.1 | 1.931 | 2.866 | 9.3 | 21.7 |
| 9 8 | 20 43.43 | -11 54.9 | 1.239 | 2.139 | 16.0 | 20.4 | 9 8 | 20 45.33 | -22 45.6 | 2.005 | 2.866 | 12.5 | 21.9 |
| 312737 | 2010 SY ₄₀ | | 8 7.1 211°10 | 3°5/ 4.3 | 18 | | 40207 | 1998 SE ₄₄ | | 8 7.1 243°68 | 1°7/ 8.8 | 18 | |
| 6 30 | 21 35.25 | -26 0.2 | 2.383 | 3.224 | 11.8 | 20.8 | 6 30 | 21 30.47 | -8 21.0 | 2.584 | 3.388 | 12.1 | 18.3 |
| 7 10 | 21 30.63 | -26 36.1 | 2.305 | 3.222 | 9.2 | 20.7 | 7 10 | 21 26.75 | -8 38.1 | 2.487 | 3.379 | 9.6 | 18.2 |
| 7 20 | 21 24.08 | -27 12.9 | 2.249 | 3.220 | 6.4 | 20.5 | 7 20 | 21 21.43 | -9 6.4 | 2.413 | 3.371 | 6.8 | 18.0 |
| 7 30 | 21 16.09 | -27 46.1 | 2.220 | 3.218 | 4.0 | 20.3 | 7 30 | 21 14.90 | -9 44.4 | 2.364 | 3.362 | 3.8 | 17.8 |
| 8 9 | 21 7.41 | -28 11.2 | 2.218 | 3.216 | 3.9 | 20.3 | 8 9 | 21 7.73 | -10 29.2 | 2.343 | 3.353 | 1.7 | 17.6 |
| 8 19 | 20 58.89 | -28 25.0 | 2.244 | 3.213 | 6.2 | 20.5 | 8 19 | 21 0.58 | -11 17.6 | 2.350 | 3.344 | 3.9 | 17.7 |
| 8 29 | 20 51.37 | -28 25.8 | 2.297 | 3.211 | 9.1 | 20.6 | 8 29 | 20 54.13 | -12 5.7 | 2.386 | 3.335 | 7.0 | 17.9 |
| 9 8 | 20 45.55 | -28 13.9 | 2.373 | 3.208 | 11.7 | 20.8 | 9 8 | 20 49.00 | -12 50.3 | 2.447 | 3.325 | 9.9 | 18.1 |
| 280601 | 2004 VO ₇₆ | | 8 7.1 284°38 | 5°8/ 2.9 | 18 | | 371904 | 2008 CG ₁₈₃ | | 8 7.1 162°54 | 0°8/ 7.7 | 17 | |
| 6 30 | 21 35.85 | -27 35.5 | 1.728 | 2.587 | 14.8 | 20.6 | 6 30 | 21 34.74 | -10 46.8 | 1.684 | 2.515 | 16.4 | 21.4 |
| 7 10 | 21 32.10 | -28 45.0 | 1.648 | 2.574 | 11.7 | 20.4 | 7 10 | 21 30.87 | -11 22.1 | 1.607 | 2.518 | 12.9 | 21.2 |
| 7 20 | 21 25.63 | -29 57.6 | 1.590 | 2.561 | 8.5 | 20.1 | 7 20 | 21 24.59 | -12 13.0 | 1.550 | 2.520 | 8.8 | 21.0 |
| 7 30 | 21 17.00 | -31 5.2 | 1.555 | 2.548 | 6.1 | 20.0 | 7 30 | 21 16.46 | -13 15.9 | 1.517 | 2.522 | 4.3 | 20.7 |
| 8 9 | 21 7.19 | -31 59.6 | 1.546 | 2.535 | 6.4 | 20.0 | 8 9 | 21 7.38 | -14 25.1 | 1.510 | 2.524 | 1.0 | 20.5 |
| 8 19 | 20 57.43 | -32 34.6 | 1.563 | 2.523 | 9.2 | 20.1 | 8 19 | 20 58.42 | -15 34.0 | 1.530 | 2.525 | 5.4 | 20.8 |
| 8 29 | 20 49.02 | -32 47.2 | 1.603 | 2.510 | 12.7 | 20.3 | 8 29 | 20 50.70 | -16 36.5 | 1.576 | 2.526 | 9.9 | 21.0 |
| 9 8 | 20 43.00 | -32 38.1 | 1.663 | 2.497 | 15.9 | 20.5 | 9 8 | 20 45.11 | -17 28.2 | 1.645 | 2.527 | 13.7 | 21.3 |
| 382375 | 2013 TB ₁₀₈ | | 8 7.1 235°57 | 0°1/ 7.0 | 17 | | 321532 | 2009 SZ ₂₅₈ | | 8 7.1 232°56 | 1°7/ 8.7 | 18 | |
| 6 30 | 21 35.68 | -14 8.8 | 1.861 | 2.693 | 15.0 | 22.1 | 6 30 | 21 31.18 | -9 17.1 | 2.753 | 3.555 | 11.4 | 21.2 |
| 7 10 | 21 31.51 | -14 36.7 | 1.770 | 2.684 | 11.8 | 21.9 | 7 10 | 21 27.17 | -9 22.2 | 2.656 | 3.548 | 9.1 | 21.0 |
| 7 20 | 21 25.01 | -15 16.1 | 1.701 | 2.673 | 7.9 | 21.6 | 7 20 | 21 21.64 | -9 36.6 | 2.582 | 3.540 | 6.4 | 20.8 |
| 7 30 | 21 16.65 | -16 3.5 | 1.656 | 2.663 | 3.7 | 21.4 | 7 30 | 21 14.98 | -9 59.0 | 2.534 | 3.532 | 3.5 | 20.6 |
| 8 9 | 21 7.28 | -16 54.0 | 1.638 | 2.651 | 0.9 | 21.1 | 8 9 | 21 7.73 | -10 27.1 | 2.514 | 3.524 | 1.7 | 20.4 |
| 8 19 | 20 57.91 | -17 42.1 | 1.647 | 2.640 | 5.4 | 21.4 | 8 19 | 21 0.50 | -10 58.4 | 2.523 | 3.516 | 3.8 | 20.6 |
| 8 29 | 20 49.63 | -18 23.3 | 1.683 | 2.628 | 9.7 | 21.7 | 8 29 | 20 53.96 | -11 29.9 | 2.560 | 3.507 | 6.7 | 20.8 |
| 9 8 | 20 43.36 | -18 54.3 | 1.742 | 2.616 | 13.5 | 21.9 | 9 8 | 20 48.67 | -11 59.0 | 2.622 | 3.498 | 9.4 | 20.9 |
| 62625 | 2000 SG ₃₅₁ | | 8 7.1 24°60 | 2°5/ 5.2 | 18 | | 339166 | 2004 TO ₆₈ | | 8 7.1 304°51 | 3°4/ 4.8 | 18 | |
| 6 30 | 21 29.74 | -15 1.4 | 1.336 | 2.203 | 17.8 | 18.3 | 6 30 | 21 32.91 | -20 39.4 | 1.548 | 2.410 | 16.0 | 20.8 |
| 7 10 | 21 27.57 | -16 39.5 | 1.275 | 2.209 | 13.7 | 18.0 | 7 10 | 21 30.14 | -21 33.5 | 1.453 | 2.384 | 12.6 | 20.5 |
| 7 20 | 21 22.65 | -18 35.5 | 1.235 | 2.217 | 9.0 | 17.8 | 7 20 | 21 24.57 | -22 38.3 | 1.378 | 2.358 | 8.5 | 20.2 |
| 7 30 | 21 15.62 | -20 40.4 | 1.217 | 2.225 | 4.2 | 17.5 | 7 30 | 21 16.65 | -23 47.5 | 1.326 | 2.332 | 4.6 | 19.9 |
| 8 9 | 21 7.52 | -22 42.6 | 1.225 | 2.234 | 3.2 | 17.5 | 8 9 | 21 7.30 | -24 53.0 | 1.299 | 2.306 | 4.1 | 19.9 |
| 8 19 | 20 59.64 | -24 31.1 | 1.257 | 2.244 | 7.7 | 17.8 | 8 19 | 20 57.77 | -25 46.9 | 1.297 | 2.280 | 8.1 | 20.0 |
| 8 29 | 20 53.27 | -25 57.7 | 1.314 | 2.254 | 12.3 | 18.1 | 8 29 | 20 49.47 | -26 23.3 | 1.319 | 2.255 | 12.7 | 20.2 |
| 9 8 | 20 49.38 | -26 59.2 | 1.392 | 2.265 | 16.2 | 18.4 | 9 8 | 20 43.60 | -26 40.0 | 1.362 | 2.230 | 16.9 | 20.4 |
| 204282 | 2004 KR ₁₆ | | 8 7.1 56°05 | 1°6/ 6.2 | 17 | | 25007 | 1998 PJ | | 8 7.1 346°95 | 0°0/ 6.9 | 18 | |
| 6 30 | 21 35.34 | -15 26.0 | 1.143 | 2.012 | 20.1 | 19.9 | 6 30 | 21 27.67 | -15 58.9 | 1.000 | 1.891 | 20.6 | 17.6 |
| 7 10 | 21 32.20 | -16 20.7 | 1.091 | 2.025 | 15.5 | 19.7 | 7 10 | 21 26.87 | -15 50.9 | 0.931 | 1.877 | 16.3 | 17.3 |
| 7 20 | 21 25.84 | -17 31.4 | 1.056 | 2.038 | 10.3 | 19.4 | 7 20 | 21 22.72 | -15 55.9 | 0.879 | 1.864 | 11.1 | 17.0 |
| 7 30 | 21 17.06 | -18 50.3 | 1.043 | 2.052 | 4.6 | 19.2 | 7 30 | 21 15.85 | -16 10.6 | 0.845 | 1.854 | 5.1 | 16.6 |
| 8 9 | 21 7.21 | -20 7.6 | 1.054 | 2.066 | 2.3 | 19.1 | 8 9 | 21 7.51 | -16 29.4 | 0.832 | 1.845 | 1.2 | 16.3 |
| 8 19 | 20 57.81 | -21 13.8 | 1.088 | 2.080 | 7.6 | 19.4 | 8 19 | 20 59.32 | -16 46.1 | 0.840 | 1.839 | 7.5 | 16.7 |
| 8 29 | 20 50.35 | -22 2.8 | 1.145 | 2.095 | 12.7 | 19.8 | 8 29 | 20 52.99 | -16 55.3 | 0.868 | 1.834 | 13.4 | 17.0 |
| 9 8 | 20 45.84 | -22 32.3 | 1.222 | 2.110 | 17.1 | 20.1 | 9 8 | 20 49.75 | -16 53.7 | 0.914 | 1.831 | 18.5 | 17.3 |
| 512694 | 2016 UM ₃ | | 8 7.1 294°05 | 1°0/ 7.8 | 18 | | 66173 | 1998 VE ₅₀ | | 8 7.1 310°85 | 6°2/12.3 | 18 | |
| 6 30 | 21 33.59 | -12 23.1 | 1.884 | 2.715 | 14.9 | 21.8 | 6 30 | 21 29.62 | + 2 52.2 | 2.265 | 3.025 | 14.8 | 19.2 |
| 7 10 | 21 29.75 | -12 29.2 | 1.799 | 2.709 | 11.8 | 21.6 | 7 10 | 21 26.34 | + 3 18.9 | 2.169 | 3.015 | 12.6 | 19.0 |
| 7 20 | 21 23.72 | -12 46.2 | 1.735 | 2.704 | 8.1 | 21.3 | 7 20 | 21 21.29 | + 3 28.7 | 2.093 | 3.006 | 10.2 | 18.8 |
| 7 30 | 21 16.01 | -13 12.0 | 1.695 | 2.699 | 4.0 | 21.1 | 7 30 | 21 14.90 | + 3 20.1 | 2.039 | 2.996 | 7.8 | 18.7 |
| 8 9 | 21 7.44 | -13 42.9 | 1.681 | 2.694 | 1.1 | 20.8 | 8 9 | 21 7.77 | + 2 53.6 | 2.010 | 2.987 | 6.3 | 18.6 |
| 8 19 | 20 58.95 | -14 14.7 | 1.694 | 2.689 | 5.0 | 21.1 | 8 19 | 21 0.63 | + 2 11.3 | 2.006 | 2.978 | 6.7 | 18.6 |
| 8 29 | 20 51.55 | -14 43.7 | 1.734 | 2.684 | 9.1 | 21.3 | 8 29 | 20 54.27 | + 1 17.1 | 2.029 | 2.969 | 8.6 | 18.7 |
| 9 8 | 20 46.04 | -15 6.6 | 1.797 | 2.679 | 12.7 | 21.6 | 9 8 | 20 49.38 | + 0 16.3 | 2.077 | 2.960 | 11.2 | 18.8 |
| 18550 | Maoyisheng | | 8 7.1 227°35 | 2°9/ 9.4 | 18 | | 19550 | Samabates | | 8 7.1 29°67 | 3°5/ 9.0 | 18 | |
| 6 30 | 21 32.51 | -6 44.6 | 2.280 | 3.081 | 13.6 | 18.8 | 6 30 | | | | | | |

EPHEMERIDES

8 7.1

8 7.2

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 123875 | 2001 <i>DQ</i> ₂₉ | | 8 7.1 98°53 | 2.4/ 5.1 | 18 | | 268098 | 2004 <i>RH</i> ₂₈₉ | | 8 7.2 263°64 | 9.4/14.0 | 18 | |
| 6 30 | 21 33.54 | -22 11.0 | 2.418 | 3.257 | 11.7 | 20.1 | 6 30 | 21 34.73 | +11 51.1 | 2.552 | 3.234 | 15.1 | 20.4 |
| 7 10 | 21 29.18 | -22 48.3 | 2.349 | 3.267 | 9.0 | 19.9 | 7 10 | 21 30.18 | +13 12.8 | 2.455 | 3.224 | 13.6 | 20.3 |
| 7 20 | 21 23.05 | -23 28.8 | 2.302 | 3.276 | 6.0 | 19.8 | 7 20 | 21 23.85 | +14 18.4 | 2.377 | 3.215 | 11.9 | 20.1 |
| 7 30 | 21 15.63 | -24 8.4 | 2.282 | 3.285 | 3.2 | 19.6 | 7 30 | 21 16.12 | +15 4.1 | 2.320 | 3.206 | 10.4 | 20.0 |
| 8 9 | 21 7.63 | -24 42.8 | 2.289 | 3.294 | 2.8 | 19.6 | 8 9 | 21 7.60 | +15 27.6 | 2.287 | 3.196 | 9.5 | 19.9 |
| 8 19 | 20 59.81 | -25 8.7 | 2.325 | 3.303 | 5.4 | 19.8 | 8 19 | 20 59.00 | +15 28.4 | 2.278 | 3.186 | 9.5 | 19.9 |
| 8 29 | 20 52.95 | -25 24.1 | 2.387 | 3.312 | 8.3 | 20.0 | 8 29 | 20 51.11 | +15 8.6 | 2.294 | 3.177 | 10.4 | 20.0 |
| 9 8 | 20 47.67 | -25 28.2 | 2.474 | 3.321 | 10.9 | 20.2 | 9 8 | 20 44.62 | +14 32.4 | 2.334 | 3.167 | 12.0 | 20.1 |
| 222849 | 2002 <i>EH</i> ₉₉ | | 8 7.2 221°91 | 2.4/ 5.1 | 18 | | 132948 | 2002 <i>TL</i> ₆₄ | | 8 7.2 92°37 | 6°0/ 2.0 | 18 | |
| 6 30 | 21 36.45 | -20 32.2 | 2.216 | 3.051 | 12.8 | 20.9 | 6 30 | 21 37.77 | -36 13.4 | 2.625 | 3.457 | 11.1 | 19.6 |
| 7 10 | 21 31.82 | -21 22.2 | 2.125 | 3.041 | 9.9 | 20.7 | 7 10 | 21 32.51 | -36 56.9 | 2.562 | 3.463 | 9.1 | 19.5 |
| 7 20 | 21 25.08 | -22 18.7 | 2.057 | 3.030 | 6.7 | 20.5 | 7 20 | 21 25.30 | -37 34.8 | 2.523 | 3.469 | 7.2 | 19.3 |
| 7 30 | 21 16.68 | -23 16.6 | 2.015 | 3.019 | 3.4 | 20.3 | 7 30 | 21 16.69 | -38 2.0 | 2.510 | 3.475 | 6.1 | 19.3 |
| 8 9 | 21 7.38 | -24 10.6 | 2.001 | 3.007 | 2.9 | 20.2 | 8 9 | 21 7.51 | -38 14.2 | 2.523 | 3.481 | 6.4 | 19.3 |
| 8 19 | 20 58.08 | -24 55.8 | 2.015 | 2.995 | 6.0 | 20.4 | 8 19 | 20 58.60 | -38 9.3 | 2.563 | 3.488 | 7.9 | 19.4 |
| 8 29 | 20 49.74 | -25 28.5 | 2.057 | 2.982 | 9.4 | 20.6 | 8 29 | 20 50.82 | -37 47.3 | 2.628 | 3.494 | 9.8 | 19.6 |
| 9 8 | 20 43.18 | -25 47.5 | 2.122 | 2.968 | 12.5 | 20.7 | 9 8 | 20 44.83 | -37 10.1 | 2.715 | 3.500 | 11.8 | 19.7 |
| 220837 | 2004 <i>UA</i> ₉ | | 8 7.2 296°88 | 0.4/ 7.4 | 18 | | 396509 | 2014 <i>GO</i> ₈ | | 8 7.2 59°88 | 2.7/ 9.4 | 17 | |
| 6 30 | 21 36.88 | -16 13.5 | 2.219 | 3.044 | 13.1 | 20.1 | 6 30 | 21 31.44 | - 5 53.3 | 1.863 | 2.676 | 15.7 | 20.9 |
| 7 10 | 21 32.06 | -15 53.6 | 2.117 | 3.026 | 10.3 | 19.9 | 7 10 | 21 28.03 | - 6 14.5 | 1.787 | 2.682 | 12.6 | 20.8 |
| 7 20 | 21 25.18 | -15 38.4 | 2.038 | 3.008 | 7.0 | 19.7 | 7 20 | 21 22.56 | - 6 52.8 | 1.730 | 2.688 | 9.1 | 20.5 |
| 7 30 | 21 16.71 | -15 26.2 | 1.985 | 2.990 | 3.3 | 19.4 | 7 30 | 21 15.54 | - 7 46.3 | 1.698 | 2.694 | 5.3 | 20.3 |
| 8 9 | 21 7.39 | -15 14.9 | 1.959 | 2.972 | 0.8 | 19.2 | 8 9 | 21 7.75 | - 8 50.8 | 1.691 | 2.700 | 2.7 | 20.2 |
| 8 19 | 20 58.08 | -15 2.6 | 1.962 | 2.955 | 4.7 | 19.4 | 8 19 | 21 0.10 | -10 0.9 | 1.712 | 2.706 | 5.0 | 20.3 |
| 8 29 | 20 49.73 | -14 47.6 | 1.992 | 2.937 | 8.4 | 19.6 | 8 29 | 20 53.51 | -11 10.7 | 1.759 | 2.713 | 8.7 | 20.6 |
| 9 8 | 20 43.10 | -14 29.1 | 2.047 | 2.920 | 11.8 | 19.8 | 9 8 | 20 48.73 | -12 14.7 | 1.830 | 2.719 | 12.2 | 20.8 |
| 206433 | 2003 <i>SK</i> ₁₈₈ | | 8 7.2 268°01 | 2°1/ 5.7 | 18 | | 386429 | 2008 <i>VU</i> ₂₁ | | 8 7.2 286°45 | 0°6/ 7.6 | 18 | |
| 6 30 | 21 37.40 | -20 50.7 | 2.070 | 2.908 | 13.5 | 21.2 | 6 30 | 21 33.00 | -12 30.5 | 1.765 | 2.602 | 15.5 | 21.5 |
| 7 10 | 21 32.79 | -21 13.9 | 1.969 | 2.886 | 10.6 | 20.9 | 7 10 | 21 29.61 | -12 52.0 | 1.673 | 2.588 | 12.3 | 21.2 |
| 7 20 | 21 25.86 | -21 42.2 | 1.890 | 2.864 | 7.1 | 20.7 | 7 20 | 21 23.87 | -13 26.7 | 1.602 | 2.574 | 8.4 | 21.0 |
| 7 30 | 21 17.10 | -22 11.5 | 1.836 | 2.841 | 3.5 | 20.4 | 7 30 | 21 16.24 | -14 11.8 | 1.554 | 2.560 | 4.0 | 20.7 |
| 8 9 | 21 7.29 | -22 36.9 | 1.810 | 2.819 | 2.5 | 20.3 | 8 9 | 21 7.57 | -15 2.5 | 1.532 | 2.546 | 0.9 | 20.4 |
| 8 19 | 20 57.42 | -22 54.4 | 1.811 | 2.795 | 6.0 | 20.5 | 8 19 | 20 58.87 | -15 53.4 | 1.537 | 2.532 | 5.4 | 20.7 |
| 8 29 | 20 48.56 | -23 1.1 | 1.839 | 2.772 | 9.8 | 20.7 | 8 29 | 20 51.25 | -16 39.3 | 1.567 | 2.518 | 9.8 | 20.9 |
| 9 8 | 20 41.62 | -22 56.1 | 1.890 | 2.748 | 13.3 | 20.9 | 9 8 | 20 45.64 | -17 16.3 | 1.620 | 2.504 | 13.8 | 21.1 |
| 253675 | 2003 <i>UH</i> ₂₁₆ | | 8 7.2 349°15 | 2°1/ 8.1 | 18 | | 439741 | 2015 <i>FK</i> ₂₈₇ | | 8 7.2 69°17 | 5°3/ 10.4 | 17 | |
| 6 30 | 21 33.41 | -11 37.7 | 1.199 | 2.059 | 19.9 | 19.8 | 6 30 | 21 37.46 | - 3 23.7 | 1.694 | 2.492 | 17.6 | 20.2 |
| 7 10 | 21 30.75 | -11 24.1 | 1.128 | 2.054 | 15.9 | 19.5 | 7 10 | 21 32.66 | - 2 43.8 | 1.634 | 2.514 | 14.5 | 20.0 |
| 7 20 | 21 25.01 | -11 26.1 | 1.075 | 2.050 | 11.1 | 19.2 | 7 20 | 21 25.58 | - 2 20.9 | 1.593 | 2.535 | 10.9 | 19.8 |
| 7 30 | 21 16.82 | -11 42.1 | 1.042 | 2.047 | 5.7 | 18.9 | 7 30 | 21 16.87 | - 2 15.5 | 1.574 | 2.556 | 7.4 | 19.7 |
| 8 9 | 21 7.37 | -12 7.8 | 1.032 | 2.044 | 2.1 | 18.7 | 8 9 | 21 7.47 | - 2 26.2 | 1.581 | 2.577 | 5.3 | 19.6 |
| 8 19 | 20 58.09 | -12 37.8 | 1.045 | 2.042 | 6.7 | 18.9 | 8 19 | 20 58.43 | - 2 49.7 | 1.613 | 2.598 | 6.5 | 19.7 |
| 8 29 | 20 50.50 | -13 6.1 | 1.080 | 2.041 | 12.0 | 19.2 | 8 29 | 20 50.75 | - 3 21.5 | 1.672 | 2.619 | 9.6 | 19.9 |
| 9 8 | 20 45.71 | -13 28.2 | 1.136 | 2.041 | 16.7 | 19.5 | 9 8 | 20 45.16 | - 3 56.5 | 1.753 | 2.640 | 12.7 | 20.2 |
| 338524 | 2003 <i>QB</i> ₉₇ | | 8 7.2 31°04 | 0°2/ 7.0 | 16 | | 420321 | 2012 <i>AM</i> ₃ | | 8 7.2 87°06 | 0°3/ 7.3 | 17 | |
| 6 30 | 21 33.93 | -15 33.3 | 1.211 | 2.079 | 19.2 | 20.4 | 6 30 | 21 38.89 | -13 38.6 | 1.432 | 2.275 | 18.1 | 21.5 |
| 7 10 | 21 30.76 | -15 42.8 | 1.165 | 2.097 | 14.9 | 20.2 | 7 10 | 21 34.29 | -13 56.2 | 1.374 | 2.292 | 14.1 | 21.3 |
| 7 20 | 21 24.67 | -16 4.3 | 1.136 | 2.116 | 9.9 | 19.9 | 7 20 | 21 26.93 | -14 26.7 | 1.336 | 2.309 | 9.5 | 21.1 |
| 7 30 | 21 16.49 | -16 33.3 | 1.129 | 2.137 | 4.5 | 19.7 | 7 30 | 21 17.56 | -15 5.9 | 1.320 | 2.326 | 4.4 | 20.8 |
| 8 9 | 21 7.50 | -17 3.5 | 1.145 | 2.159 | 1.1 | 19.5 | 8 9 | 21 7.33 | -15 48.0 | 1.330 | 2.343 | 0.9 | 20.6 |
| 8 19 | 20 59.06 | -17 29.5 | 1.185 | 2.181 | 6.4 | 20.0 | 8 19 | 20 57.52 | -16 27.1 | 1.365 | 2.359 | 6.0 | 21.0 |
| 8 29 | 20 52.45 | -17 47.0 | 1.248 | 2.204 | 11.3 | 20.3 | 8 29 | 20 49.38 | -16 58.6 | 1.425 | 2.376 | 10.6 | 21.3 |
| 9 8 | 20 48.50 | -17 54.0 | 1.332 | 2.228 | 15.4 | 20.6 | 9 8 | 20 43.78 | -17 19.9 | 1.507 | 2.391 | 14.6 | 21.6 |
| 93473 | 2000 <i>TY</i> ₁₃ | | 8 7.2 162°13 | 7°7/ 1.8 | 17 | | 482792 | 2013 <i>LO</i> ₁₇ | | 8 7.2 213°89 | 9°1/ 16.8 | 17 | |
| 6 30 | 21 43.19 | -36 22.6 | 2.011 | 2.848 | 13.9 | 20.0 | 6 30 | 21 32.39 | +17 34.4 | 3.059 | 3.685 | 13.7 | 21.4 |
| 7 10 | 21 37.39 | -37 25.2 | 1.949 | 2.852 | 11.4 | 19.8 | 7 10 | 21 28.09 | +18 33.0 | 2.961 | 3.678 | 12.5 | 21.3 |
| 7 20 | 21 28.91 | -38 21.7 | 1.909 | 2.855 | 9.1 | 19.7 | 7 20 | 21 22.30 | +19 14.5 | 2.881 | 3.671 | 11.3 | 21.2 |
| 7 30 | 21 18.43 | -39 4.0 | 1.893 | 2.858 | 7.8 | 19.6 | 7 30 | 21 15.36 | +19 35.9 | 2.820 | 3.664 | 10.1 | 21.1 |
| 8 9 | 21 7.05 | -39 25.7 | 1.903 | 2.861 | 8.2 | 19.7 | 8 9 | 21 7.80 | +19 35.8 | 2.783 | 3.656 | 9.3 | 21.1 |
| 8 19 | 20 56.04 | -39 23.6 | 1.939 | 2.863 | 10.0 | 19.8 | 8 19 | 21 0.19 | +19 14.2 | 2.769 | 3.648 | 9.1 | 21.0 |
| 8 29 | 20 46.62 | -38 57.9 | 1.998 | 2.865 | 12.4 | 19.9 | 8 29 | 20 53.18 | +18 33.3 | 2.780 | 3.639 | 9.6 | 21.1 |
| 9 8 | 20 39.66 | -38 12.1 | 2.079 | 2.867 | 14.8 | 20.1 | 9 8 | 20 47.33 | +17 37.1 | 2.814 | 3.630 | 10.6 | 21.1 |
| 425962 | 2011 <i>HY</i> ₂₀ | | 8 7.2 62°80 | 3°1/ 5.5 | 17 | | 399636 | 2004 <i>PD</i> ₄₉ | | 8 7.2 323°14 | 1°3/ 6.0 | 17 | |
| 6 30 | 21 39.39 | -22 47.7 | 1.577 | 2.431 | 16.2 | 20.7 | 6 30 | 21 27.51 | -13 25.7 | 1.721 | 2.572 | 15.2 | 20.3 |
| 7 10 | 21 34.51 | -23 10.9 | 1.521 | 2.446 | 12.5 | 20.5 | 7 10 | 21 25.58 | -14 44.3 | 1.619 | 2.544 | 11.9 | 20.0 |
| 7 20 | 21 26.96 | -23 37.5 | 1.485 | 2.462 | 8.4 | 20.3 | 7 20 | 21 21.34 | -16 21.9 | 1.538 | 2.517 | 8.0 | 19.7 |
| 7 30 | 21 17.51 | -24 1.7 | 1.473 | 2.477 | 4.4 | 20.1 | 7 30 | 21 15.17 | -18 13.8 | 1.482 | 2.490 | 3.6 | 19.4 |
| 8 9 | 21 7.29 | -24 17.9 | 1.486 | 2.493 | 3.5 | 20.1 | 8 9 | 21 7.81 | -20 12.0 | 1.452 | 2.463 | 2.0 | 19.2 |
| 8 19 | 20 57.56 | -24 22.4 | 1.526 | 2.509 | 7.0 | 20.3 | 8 19 | 21 0.24 | -22 7.0 | 1.448 | 2.438 | 6.5 | 19.4 |
| 8 29 | 20 49.47 | -24 13.6 | 1.590 | 2.525 | 10.9 | 20.6 | 8 29 | 20 53.60 | -23 49.8 | 1.471 | 2.413 | 11.1 | 19.6 |
| 9 8 | 20 43.86 | -23 52.4 | 1.677 | 2.542 | 14.4 | 20.9 | 9 8 | 20 48.93 | -25 14.2 | 1.515 | 2.389 | 15.2 | 19.8 |
| 89904 | 2002 <i>DO</i> ₅ | | 8 7.2 12°31 | 4°1/ 10.1 | 18 | | 211048 | 2002 <i>CD</i> ₅₀ | | 8 7.2 79 | | | |

EPHEMERIDES

8 7.2

8 7.2

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|---------------------------|---------------------------|---------|------|---------------|-------------------------------|-----------------|---------------------------|---------------------------|---------|------|
| 509938 | 2009 <i>QN</i> ₄₆ | | 8 7.2 324 ^o 70 | 1 ^o 5/ 6.4 18 | | | 477575 | 2010 <i>HZ</i> ₁₀₅ | | 8 7.2 12 ^o 74 | 2 ^o 9/ 5.3 18 | | |
| 6 30 | 21 32.34 | -18 14.6 | 1.228 | 2.102 | 18.6 | 20.9 | 6 30 | 21 34.02 | -21 6.6 | 1.710 | 2.566 | 15.1 | 21.2 |
| 7 10 | 21 30.20 | -18 25.1 | 1.144 | 2.081 | 14.7 | 20.6 | 7 10 | 21 30.40 | -21 47.7 | 1.640 | 2.567 | 11.7 | 21.0 |
| 7 20 | 21 24.89 | -18 45.9 | 1.078 | 2.061 | 9.9 | 20.3 | 7 20 | 21 24.35 | -22 35.1 | 1.590 | 2.569 | 7.8 | 20.8 |
| 7 30 | 21 16.92 | -19 12.6 | 1.033 | 2.042 | 4.6 | 19.9 | 7 30 | 21 16.45 | -23 23.0 | 1.565 | 2.570 | 4.0 | 20.6 |
| 8 9 | 21 7.43 | -19 38.7 | 1.011 | 2.023 | 2.2 | 19.7 | 8 9 | 21 7.66 | -24 5.3 | 1.566 | 2.573 | 3.3 | 20.6 |
| 8 19 | 20 57.88 | -19 57.9 | 1.011 | 2.006 | 7.6 | 20.0 | 8 19 | 20 59.07 | -24 36.8 | 1.592 | 2.575 | 6.8 | 20.8 |
| 8 29 | 20 49.93 | -20 5.5 | 1.034 | 1.989 | 13.1 | 20.2 | 8 29 | 20 51.81 | -24 54.3 | 1.643 | 2.578 | 10.6 | 21.0 |
| 9 8 | 20 44.85 | -19 59.3 | 1.076 | 1.974 | 18.0 | 20.5 | 9 8 | 20 46.71 | -24 57.1 | 1.716 | 2.581 | 14.1 | 21.2 |
| 468737 | 2010 <i>TJ</i> ₃₂ | | 8 7.2 98 ^o 55 | 3 ^o 6/ 5.2 17 | | | 94917 | 2001 <i>YF</i> ₅₈ | | 8 7.2 299 ^o 00 | 1 ^o 4/ 7.9 18 | | |
| 6 30 | 21 39.29 | -22 10.2 | 1.463 | 2.321 | 17.0 | 21.5 | 6 30 | 21 36.60 | -12 21.4 | 1.337 | 2.185 | 18.9 | 19.3 |
| 7 10 | 21 34.83 | -22 52.0 | 1.400 | 2.328 | 13.2 | 21.2 | 7 10 | 21 33.04 | -12 18.0 | 1.261 | 2.181 | 15.0 | 19.0 |
| 7 20 | 21 27.45 | -23 39.6 | 1.357 | 2.335 | 8.9 | 21.0 | 7 20 | 21 26.50 | -12 29.0 | 1.203 | 2.176 | 10.4 | 18.8 |
| 7 30 | 21 17.87 | -24 26.1 | 1.338 | 2.342 | 4.8 | 20.8 | 7 30 | 21 17.57 | -12 51.9 | 1.167 | 2.172 | 5.2 | 18.4 |
| 8 9 | 21 7.27 | -25 3.9 | 1.343 | 2.349 | 4.1 | 20.8 | 8 9 | 21 7.40 | -13 22.2 | 1.154 | 2.167 | 1.5 | 18.2 |
| 8 19 | 20 57.04 | -25 27.6 | 1.374 | 2.356 | 7.8 | 21.0 | 8 19 | 20 57.35 | -13 54.3 | 1.166 | 2.163 | 6.4 | 18.5 |
| 8 29 | 20 48.51 | -25 34.4 | 1.429 | 2.363 | 12.0 | 21.3 | 8 29 | 20 48.89 | -14 23.0 | 1.202 | 2.159 | 11.6 | 18.8 |
| 9 8 | 20 42.64 | -25 24.9 | 1.505 | 2.369 | 15.8 | 21.5 | 9 8 | 20 43.09 | -14 44.2 | 1.259 | 2.155 | 16.1 | 19.0 |
| 97109 | 1999 <i>VD</i> ₇₉ | | 8 7.2 251 ^o 06 | 0 ^o 9/ 7.7 18 | | | 342070 | 2008 <i>SK</i> ₂₉ | | 8 7.2 269 ^o 72 | 0 ^o 8/ 6.7 18 | | |
| 6 30 | 21 34.75 | -12 38.6 | 1.957 | 2.784 | 14.6 | 20.1 | 6 30 | 21 36.26 | -17 3.8 | 1.866 | 2.704 | 14.7 | 21.4 |
| 7 10 | 21 30.66 | -12 46.5 | 1.867 | 2.776 | 11.5 | 19.9 | 7 10 | 21 32.10 | -17 20.2 | 1.771 | 2.688 | 11.5 | 21.2 |
| 7 20 | 21 24.38 | -13 5.0 | 1.799 | 2.768 | 7.9 | 19.6 | 7 20 | 21 25.53 | -17 44.9 | 1.697 | 2.672 | 7.8 | 20.9 |
| 7 30 | 21 16.43 | -13 31.7 | 1.755 | 2.760 | 3.9 | 19.4 | 7 30 | 21 17.06 | -18 14.3 | 1.648 | 2.655 | 3.6 | 20.6 |
| 8 9 | 21 7.58 | -14 3.1 | 1.738 | 2.751 | 1.0 | 19.2 | 8 9 | 21 7.52 | -18 43.9 | 1.625 | 2.638 | 1.4 | 20.4 |
| 8 19 | 20 58.78 | -14 35.2 | 1.748 | 2.743 | 4.9 | 19.4 | 8 19 | 20 57.96 | -19 9.2 | 1.630 | 2.621 | 5.7 | 20.7 |
| 8 29 | 20 51.02 | -15 4.0 | 1.785 | 2.734 | 9.0 | 19.6 | 8 29 | 20 49.49 | -19 26.6 | 1.660 | 2.604 | 9.9 | 20.9 |
| 9 8 | 20 45.11 | -15 26.7 | 1.845 | 2.725 | 12.6 | 19.9 | 9 8 | 20 43.06 | -19 34.2 | 1.714 | 2.586 | 13.7 | 21.1 |
| 210019 | 2006 <i>KL</i> ₄₁ | | 8 7.2 57 ^o 70 | 4 ^o 3/ 10.1 17 | | | 202206 | 2004 <i>XJ</i> ₁₀₁ | | 8 7.2 152 ^o 28 | 2 ^o 9/ 9.1 18 | | |
| 6 30 | 21 33.85 | -4 22.3 | 1.708 | 2.517 | 17.1 | 20.2 | 6 30 | 21 37.22 | -8 10.3 | 2.134 | 2.935 | 14.4 | 20.1 |
| 7 10 | 21 29.97 | -4 5.8 | 1.642 | 2.530 | 13.9 | 20.0 | 7 10 | 21 32.23 | -7 48.8 | 2.052 | 2.940 | 11.6 | 19.9 |
| 7 20 | 21 23.87 | -4 6.5 | 1.595 | 2.545 | 10.3 | 19.8 | 7 20 | 21 25.25 | -7 38.2 | 1.992 | 2.945 | 8.3 | 19.7 |
| 7 30 | 21 16.13 | -4 24.0 | 1.571 | 2.559 | 6.6 | 19.6 | 7 30 | 21 16.80 | -7 37.9 | 1.956 | 2.950 | 4.9 | 19.5 |
| 8 9 | 21 7.67 | -4 55.8 | 1.572 | 2.574 | 4.4 | 19.5 | 8 9 | 21 7.64 | -7 46.1 | 1.947 | 2.954 | 2.9 | 19.4 |
| 8 19 | 20 59.46 | -5 37.6 | 1.598 | 2.589 | 5.9 | 19.6 | 8 19 | 20 58.62 | -8 0.4 | 1.967 | 2.958 | 4.9 | 19.5 |
| 8 29 | 20 52.50 | -6 24.3 | 1.650 | 2.604 | 9.2 | 19.9 | 8 29 | 20 50.64 | -8 17.7 | 2.014 | 2.962 | 8.2 | 19.7 |
| 9 8 | 20 47.53 | -7 10.6 | 1.726 | 2.619 | 12.6 | 20.1 | 9 8 | 20 44.40 | -8 34.9 | 2.085 | 2.965 | 11.4 | 20.0 |
| 42976 | 1999 <i>TL</i> ₂₁₁ | | 8 7.2 176 ^o 02 | 0 ^o 1/ 7.3 18 | | | 443907 | 2002 <i>EB</i> ₆₀ | | 8 7.2 56 ^o 19 | 6 ^o 9/ 15.2 15 | | |
| 6 30 | 21 36.19 | -14 42.7 | 1.953 | 2.784 | 14.5 | 19.6 | 6 30 | 21 30.81 | +9 50.6 | 2.081 | 2.803 | 17.0 | 20.4 |
| 7 10 | 21 31.69 | -14 52.4 | 1.873 | 2.784 | 11.3 | 19.4 | 7 10 | 21 27.23 | +9 23.7 | 2.015 | 2.828 | 14.7 | 20.3 |
| 7 20 | 21 25.01 | -15 10.9 | 1.814 | 2.785 | 7.6 | 19.2 | 7 20 | 21 21.85 | +8 31.1 | 1.966 | 2.854 | 12.0 | 20.2 |
| 7 30 | 21 16.70 | -15 35.4 | 1.780 | 2.786 | 3.5 | 18.9 | 7 30 | 21 15.20 | +7 13.0 | 1.939 | 2.879 | 9.3 | 20.1 |
| 8 9 | 21 7.58 | -16 2.0 | 1.772 | 2.786 | 0.8 | 18.7 | 8 9 | 21 8.00 | +5 32.3 | 1.938 | 2.905 | 7.3 | 20.0 |
| 8 19 | 20 58.60 | -16 26.9 | 1.793 | 2.786 | 5.0 | 19.0 | 8 19 | 21 1.04 | +3 34.9 | 1.963 | 2.931 | 7.1 | 20.0 |
| 8 29 | 20 50.75 | -16 46.8 | 1.839 | 2.786 | 8.9 | 19.3 | 8 29 | 20 55.07 | +1 28.7 | 2.016 | 2.956 | 8.7 | 20.2 |
| 9 8 | 20 44.81 | -16 59.5 | 1.910 | 2.785 | 12.4 | 19.5 | 9 8 | 20 50.72 | -0 38.0 | 2.095 | 2.982 | 11.0 | 20.4 |
| 435584 | 2008 <i>RR</i> ₁₂₂ | | 8 7.2 62 ^o 32 | 8 ^o 6/ 2.4 16 | | | 323071 | 2002 <i>TV</i> ₈₈ | | 8 7.2 14 ^o 69 | 2 ^o 9/ 5.9 17 | | |
| 6 30 | 21 43.60 | -36 34.4 | 1.674 | 2.521 | 15.7 | 20.8 | 6 30 | 21 38.51 | -21 58.3 | 1.289 | 2.156 | 18.3 | 20.0 |
| 7 10 | 21 38.18 | -37 30.6 | 1.617 | 2.526 | 12.9 | 20.6 | 7 10 | 21 34.60 | -22 8.1 | 1.225 | 2.158 | 14.3 | 19.7 |
| 7 20 | 21 29.66 | -38 19.3 | 1.580 | 2.531 | 10.3 | 20.5 | 7 20 | 21 27.50 | -22 22.7 | 1.180 | 2.160 | 9.6 | 19.5 |
| 7 30 | 21 18.86 | -38 51.3 | 1.567 | 2.536 | 8.7 | 20.4 | 7 30 | 21 18.00 | -22 36.3 | 1.157 | 2.164 | 4.8 | 19.2 |
| 8 9 | 21 7.12 | -38 59.5 | 1.578 | 2.541 | 9.0 | 20.4 | 8 9 | 21 7.39 | -22 42.8 | 1.158 | 2.167 | 3.3 | 19.1 |
| 8 19 | 20 55.90 | -38 40.8 | 1.613 | 2.546 | 11.1 | 20.6 | 8 19 | 20 57.19 | -22 37.7 | 1.182 | 2.171 | 7.7 | 19.4 |
| 8 29 | 20 46.62 | -37 56.7 | 1.671 | 2.552 | 13.7 | 20.7 | 8 29 | 20 48.87 | -22 19.4 | 1.230 | 2.176 | 12.4 | 19.7 |
| 9 8 | 20 40.20 | -36 51.9 | 1.749 | 2.557 | 16.4 | 20.9 | 9 8 | 20 43.45 | -21 48.7 | 1.299 | 2.181 | 16.6 | 19.9 |
| 90378 | 2003 <i>WL</i> ₂₃ | | 8 7.2 142 ^o 90 | 0 ^o 6/ 7.6 18 | | | 122395 | 2000 <i>QR</i> ₇₇ | | 8 7.2 298 ^o 13 | 0 ^o 2/ 7.3 18 | | |
| 6 30 | 21 34.02 | -12 23.3 | 2.076 | 2.900 | 13.9 | 20.1 | 6 30 | 21 34.42 | -14 24.6 | 1.610 | 2.455 | 16.3 | 19.6 |
| 7 10 | 21 29.86 | -12 45.9 | 1.997 | 2.904 | 10.9 | 19.9 | 7 10 | 21 31.03 | -14 32.6 | 1.518 | 2.438 | 12.9 | 19.3 |
| 7 20 | 21 23.71 | -13 19.3 | 1.940 | 2.909 | 7.4 | 19.7 | 7 20 | 21 25.03 | -14 51.9 | 1.445 | 2.420 | 8.8 | 19.0 |
| 7 30 | 21 16.08 | -14 0.6 | 1.908 | 2.913 | 3.6 | 19.5 | 7 30 | 21 16.92 | -15 19.7 | 1.396 | 2.402 | 4.2 | 18.7 |
| 8 9 | 21 7.73 | -14 45.7 | 1.904 | 2.917 | 0.8 | 19.3 | 8 9 | 21 7.60 | -15 51.7 | 1.371 | 2.385 | 0.9 | 18.4 |
| 8 19 | 20 59.51 | -15 30.2 | 1.927 | 2.921 | 4.6 | 19.6 | 8 19 | 20 58.22 | -16 22.7 | 1.373 | 2.368 | 5.9 | 18.7 |
| 8 29 | 20 52.30 | -16 10.2 | 1.977 | 2.925 | 8.3 | 19.8 | 8 29 | 20 50.05 | -16 48.2 | 1.399 | 2.351 | 10.7 | 19.0 |
| 9 8 | 20 46.83 | -16 42.6 | 2.052 | 2.928 | 11.7 | 20.0 | 9 8 | 20 44.13 | -17 4.9 | 1.447 | 2.334 | 14.9 | 19.2 |
| 288228 | 2003 <i>YR</i> ₆₉ | | 8 7.2 223 ^o 93 | 2 ^o 2/ 8.6 17 | | | 167965 | 2005 <i>EZ</i> ₂₇₅ | | 8 7.2 156 ^o 97 | 1 ^o 4/ 8.2 18 | | |
| 6 30 | 21 36.30 | -8 44.3 | 1.799 | 2.615 | 16.0 | 21.8 | 6 30 | 21 34.10 | -10 35.5 | 2.076 | 2.894 | 14.2 | 20.8 |
| 7 10 | 21 32.09 | -8 53.3 | 1.708 | 2.608 | 12.9 | 21.6 | 7 10 | 21 29.94 | -10 46.7 | 1.994 | 2.896 | 11.2 | 20.6 |
| 7 20 | 21 25.50 | -9 17.2 | 1.637 | 2.599 | 9.1 | 21.4 | 7 20 | 21 23.80 | -11 9.3 | 1.935 | 2.899 | 7.8 | 20.4 |
| 7 30 | 21 17.02 | -9 54.5 | 1.590 | 2.590 | 5.0 | 21.1 | 7 30 | 21 16.16 | -11 41.3 | 1.899 | 2.901 | 4.0 | 20.2 |
| 8 9 | 21 7.51 | -10 41.3 | 1.570 | 2.581 | 2.2 | 20.9 | 8 9 | 21 7.79 | -12 19.2 | 1.891 | 2.903 | 1.4 | 20.0 |
| 8 19 | 20 57.99 | -11 32.9 | 1.576 | 2.571 | 5.3 | 21.1 | 8 19 | 20 59.54 | -12 59.1 | 1.911 | 2.905 | 4.6 | 20.2 |
| 8 29 | 20 49.57 | -12 23.7 | 1.609 | 2.560 | 9.6 | 21.3 | 8 29 | 20 52.29 | -13 36.9 | 1.957 | 2.907 | 8.3 | 20.4 |
| 9 8 | 20 43.18 | -13 9.3 | 1.665 | 2.549 | | | | | | | | | |

EPHEMERIDES

8 7.2

8 7.2

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|------------|---------|------|
| 50188 | 2000 <i>AU</i> ₁₈₄ | | 8 7.2 220°65 | 2°6/ 9.1 | 18 | | 204035 | 2003 <i>UP</i> ₁₃₃ | | 8 7.2 316°42 | 1°6/ 5.9 | 18 | |
| 6 30 | 21 34.13 | - 6 55.1 | 1.701 | 2.519 | 16.8 | 20.0 | 6 30 | 21 33.02 | -17 2.8 | 1.803 | 2.650 | 14.8 | 20.0 |
| 7 10 | 21 30.49 | - 7 12.8 | 1.616 | 2.515 | 13.5 | 19.7 | 7 10 | 21 29.56 | -17 52.3 | 1.725 | 2.647 | 11.5 | 19.8 |
| 7 20 | 21 24.47 | - 7 48.5 | 1.551 | 2.511 | 9.7 | 19.5 | 7 20 | 21 23.80 | -18 52.1 | 1.668 | 2.645 | 7.6 | 19.6 |
| 7 30 | 21 16.58 | - 8 40.3 | 1.509 | 2.507 | 5.5 | 19.2 | 7 30 | 21 16.27 | -19 57.3 | 1.636 | 2.643 | 3.5 | 19.3 |
| 8 9 | 21 7.69 | - 9 44.1 | 1.493 | 2.503 | 2.6 | 19.0 | 8 9 | 21 7.82 | -21 1.4 | 1.629 | 2.640 | 2.1 | 19.2 |
| 8 19 | 20 58.84 | -10 53.8 | 1.503 | 2.499 | 5.5 | 19.2 | 8 19 | 20 59.47 | -21 58.4 | 1.650 | 2.638 | 6.0 | 19.5 |
| 8 29 | 20 51.14 | -12 3.0 | 1.540 | 2.494 | 9.7 | 19.5 | 8 29 | 20 52.26 | -22 43.5 | 1.696 | 2.636 | 10.0 | 19.7 |
| 9 8 | 20 45.50 | -13 5.7 | 1.599 | 2.489 | 13.6 | 19.7 | 9 8 | 20 47.05 | -23 14.3 | 1.766 | 2.634 | 13.6 | 19.9 |
| 390089 | 2012 <i>UO</i> ₁₅₂ | | 8 7.2 242°79 | 7°6/13.1 | 18 | | 84384 | 2002 <i>TK</i> ₁₄₃ | | 8 7.2 269°65 | 1°2/ 8.2 | 18 | |
| 6 30 | 21 32.31 | + 5 17.7 | 2.000 | 2.751 | 16.8 | 20.8 | 6 30 | 21 32.44 | - 9 58.7 | 2.151 | 2.968 | 13.8 | 19.7 |
| 7 10 | 21 28.69 | + 5 53.8 | 1.913 | 2.749 | 14.5 | 20.6 | 7 10 | 21 28.83 | -10 26.3 | 2.046 | 2.948 | 11.0 | 19.5 |
| 7 20 | 21 23.05 | + 6 9.7 | 1.844 | 2.747 | 11.9 | 20.4 | 7 20 | 21 23.21 | -11 7.3 | 1.964 | 2.928 | 7.6 | 19.2 |
| 7 30 | 21 15.87 | + 6 3.3 | 1.797 | 2.744 | 9.4 | 20.3 | 7 30 | 21 16.01 | -11 59.7 | 1.906 | 2.908 | 3.9 | 19.0 |
| 8 9 | 21 7.87 | + 5 34.4 | 1.774 | 2.742 | 7.8 | 20.2 | 8 9 | 21 7.88 | -12 59.5 | 1.875 | 2.888 | 1.2 | 18.7 |
| 8 19 | 20 59.89 | + 4 45.4 | 1.776 | 2.740 | 8.0 | 20.2 | 8 19 | 20 59.64 | -14 2.0 | 1.872 | 2.867 | 4.6 | 18.9 |
| 8 29 | 20 52.86 | + 3 41.3 | 1.803 | 2.738 | 9.8 | 20.3 | 8 29 | 20 52.22 | -15 2.1 | 1.897 | 2.846 | 8.5 | 19.1 |
| 9 8 | 20 47.54 | + 2 28.5 | 1.853 | 2.736 | 12.4 | 20.5 | 9 8 | 20 46.41 | -15 55.5 | 1.946 | 2.825 | 12.1 | 19.3 |
| 26202 | 1997 <i>GD</i> ₄₂ | | 8 7.2 132°83 | 2°5/ 8.9 | 18 | | 5262 | Brucegoldberg | | 8 7.2 110°17 | 4°5/ 2.8 | 18 | A |
| 6 30 | 21 35.23 | - 7 24.6 | 1.696 | 2.514 | 16.8 | 18.5 | 6 30 | 21 34.70 | -27 35.0 | 2.452 | 3.294 | 11.5 | 16.4 |
| 7 10 | 21 31.23 | - 7 40.1 | 1.621 | 2.520 | 13.5 | 18.3 | 7 10 | 21 30.25 | -28 50.4 | 2.392 | 3.308 | 9.0 | 16.3 |
| 7 20 | 21 24.87 | - 8 12.6 | 1.566 | 2.526 | 9.6 | 18.1 | 7 20 | 21 23.92 | -30 6.4 | 2.356 | 3.322 | 6.4 | 16.2 |
| 7 30 | 21 16.72 | - 8 59.9 | 1.534 | 2.532 | 5.3 | 17.9 | 7 30 | 21 16.21 | -31 17.0 | 2.346 | 3.335 | 4.7 | 16.1 |
| 8 9 | 21 7.69 | - 9 57.7 | 1.528 | 2.538 | 2.5 | 17.7 | 8 9 | 21 7.86 | -32 16.9 | 2.364 | 3.349 | 4.9 | 16.1 |
| 8 19 | 20 58.81 | -11 0.3 | 1.548 | 2.543 | 5.4 | 17.9 | 8 19 | 20 59.67 | -33 1.9 | 2.410 | 3.362 | 7.0 | 16.3 |
| 8 29 | 20 51.18 | -12 1.5 | 1.595 | 2.548 | 9.5 | 18.2 | 8 29 | 20 52.47 | -33 30.2 | 2.482 | 3.374 | 9.4 | 16.4 |
| 9 8 | 20 45.62 | -12 56.3 | 1.665 | 2.553 | 13.2 | 18.4 | 9 8 | 20 46.93 | -33 41.9 | 2.577 | 3.387 | 11.7 | 16.6 |
| 63511 | 2001 <i>OV</i> ₉₂ | | 8 7.2 139°97 | 2°5/ 5.6 | 18 | | 344114 | 1999 <i>VU</i> ₅₄ | | 8 7.2 299°38 | 2°4/ 5.7 | 18 | |
| 6 30 | 21 38.10 | -20 9.7 | 1.749 | 2.595 | 15.2 | 20.0 | 6 30 | 21 34.29 | -19 41.4 | 1.687 | 2.541 | 15.3 | 21.1 |
| 7 10 | 21 33.49 | -20 51.7 | 1.680 | 2.601 | 11.8 | 19.8 | 7 10 | 21 30.96 | -20 16.0 | 1.592 | 2.519 | 12.0 | 20.8 |
| 7 20 | 21 26.39 | -21 40.4 | 1.631 | 2.607 | 7.9 | 19.6 | 7 20 | 21 25.03 | -20 59.2 | 1.518 | 2.496 | 8.1 | 20.6 |
| 7 30 | 21 17.42 | -22 30.4 | 1.608 | 2.613 | 3.9 | 19.4 | 7 30 | 21 16.97 | -21 46.1 | 1.467 | 2.474 | 4.0 | 20.3 |
| 8 9 | 21 7.55 | -23 15.1 | 1.610 | 2.619 | 3.0 | 19.3 | 8 9 | 21 7.66 | -22 30.4 | 1.442 | 2.452 | 2.9 | 20.1 |
| 8 19 | 20 57.93 | -23 49.5 | 1.640 | 2.624 | 6.6 | 19.6 | 8 19 | 20 58.26 | -23 6.1 | 1.443 | 2.429 | 6.9 | 20.3 |
| 8 29 | 20 49.67 | -24 10.4 | 1.695 | 2.628 | 10.5 | 19.8 | 8 29 | 20 50.02 | -23 28.8 | 1.468 | 2.408 | 11.3 | 20.5 |
| 9 8 | 20 43.64 | -24 16.9 | 1.773 | 2.633 | 13.9 | 20.0 | 9 8 | 20 44.01 | -23 36.7 | 1.515 | 2.386 | 15.3 | 20.7 |
| 63197 | 2000 <i>YP</i> ₁₂₂ | | 8 7.2 273°82 | 0°8/ 6.5 | 18 | | 100276 | 1994 <i>XV</i> | | 8 7.2 267°22 | 11°6/ 14.7 | 18 | |
| 6 30 | 21 31.25 | -15 2.6 | 2.284 | 3.116 | 12.6 | 18.8 | 6 30 | 21 36.39 | +15 7.1 | 2.206 | 2.874 | 17.5 | 20.7 |
| 7 10 | 21 27.77 | -15 52.4 | 2.188 | 3.102 | 9.8 | 18.6 | 7 10 | 21 32.11 | +16 17.9 | 2.088 | 2.843 | 16.1 | 20.5 |
| 7 20 | 21 22.41 | -16 52.5 | 2.114 | 3.087 | 6.6 | 18.4 | 7 20 | 21 25.61 | +17 8.9 | 1.985 | 2.811 | 14.4 | 20.3 |
| 7 30 | 21 15.59 | -17 59.4 | 2.066 | 3.073 | 3.0 | 18.1 | 7 30 | 21 17.23 | +17 34.3 | 1.902 | 2.778 | 12.8 | 20.2 |
| 8 9 | 21 7.94 | -19 8.0 | 2.046 | 3.058 | 1.3 | 18.0 | 8 9 | 21 7.61 | +17 30.5 | 1.841 | 2.745 | 11.7 | 20.0 |
| 8 19 | 21 0.26 | -20 13.3 | 2.054 | 3.043 | 4.9 | 18.2 | 8 19 | 20 57.61 | +16 56.1 | 1.803 | 2.710 | 11.7 | 20.0 |
| 8 29 | 20 53.37 | -21 10.5 | 2.089 | 3.029 | 8.5 | 18.4 | 8 29 | 20 48.28 | +15 53.3 | 1.789 | 2.675 | 12.7 | 20.0 |
| 9 8 | 20 48.02 | -21 56.7 | 2.149 | 3.014 | 11.7 | 18.6 | 9 8 | 20 40.57 | +14 28.1 | 1.798 | 2.638 | 14.6 | 20.0 |
| 178323 | 1995 <i>OC</i> ₆ | | 8 7.2 356°39 | 0°3/ 7.0 | 18 | | 509675 | 2008 <i>KM</i> ₄ | | 8 7.2 113°50 | 1°8/ 5.4 | 18 | |
| 6 30 | 21 31.46 | -14 35.4 | 1.806 | 2.650 | 14.9 | 20.3 | 6 30 | 21 33.17 | -19 8.9 | 2.632 | 3.463 | 11.2 | 21.7 |
| 7 10 | 21 28.26 | -15 3.0 | 1.729 | 2.648 | 11.6 | 20.1 | 7 10 | 21 28.80 | -20 3.8 | 2.565 | 3.479 | 8.6 | 21.5 |
| 7 20 | 21 22.87 | -15 41.5 | 1.672 | 2.647 | 7.8 | 19.9 | 7 20 | 21 22.82 | -21 3.8 | 2.522 | 3.495 | 5.6 | 21.4 |
| 7 30 | 21 15.81 | -16 27.4 | 1.639 | 2.646 | 3.6 | 19.6 | 7 30 | 21 15.68 | -22 5.0 | 2.506 | 3.511 | 2.8 | 21.2 |
| 8 9 | 21 7.91 | -17 15.6 | 1.632 | 2.645 | 0.9 | 19.4 | 8 9 | 21 8.00 | -23 2.7 | 2.519 | 3.527 | 2.1 | 21.2 |
| 8 19 | 21 0.12 | -18 0.9 | 1.652 | 2.645 | 5.3 | 19.7 | 8 19 | 21 0.48 | -23 53.2 | 2.561 | 3.542 | 4.7 | 21.4 |
| 8 29 | 20 53.46 | -18 38.9 | 1.697 | 2.645 | 9.4 | 20.0 | 8 29 | 20 53.80 | -24 33.6 | 2.630 | 3.556 | 7.6 | 21.6 |
| 9 8 | 20 48.71 | -19 6.8 | 1.765 | 2.646 | 13.0 | 20.2 | 9 8 | 20 48.53 | -25 2.6 | 2.725 | 3.571 | 10.1 | 21.8 |
| 391521 | 2007 <i>RD</i> ₁₇₈ | | 8 7.2 279°46 | 3°4/ 4.7 | 18 | | 286124 | 2001 <i>TG</i> ₁₅₀ | | 8 7.2 291°72 | 6°0/ 3.7 | 18 | |
| 6 30 | 21 35.06 | -22 48.2 | 1.895 | 2.745 | 14.0 | 20.8 | 6 30 | 21 36.71 | -24 48.2 | 1.286 | 2.159 | 18.0 | 20.2 |
| 7 10 | 21 31.18 | -23 34.7 | 1.809 | 2.733 | 10.9 | 20.6 | 7 10 | 21 33.70 | -26 0.3 | 1.211 | 2.146 | 14.2 | 19.9 |
| 7 20 | 21 24.93 | -24 26.5 | 1.746 | 2.721 | 7.5 | 20.3 | 7 20 | 21 27.32 | -27 20.3 | 1.156 | 2.134 | 10.0 | 19.6 |
| 7 30 | 21 16.81 | -25 18.0 | 1.706 | 2.709 | 4.2 | 20.1 | 7 30 | 21 18.15 | -28 38.3 | 1.122 | 2.122 | 6.5 | 19.4 |
| 8 9 | 21 7.68 | -26 3.0 | 1.694 | 2.697 | 3.9 | 20.1 | 8 9 | 21 7.43 | -29 43.2 | 1.113 | 2.111 | 6.7 | 19.4 |
| 8 19 | 20 58.59 | -26 36.2 | 1.708 | 2.685 | 7.0 | 20.2 | 8 19 | 20 56.74 | -30 26.1 | 1.126 | 2.099 | 10.4 | 19.5 |
| 8 29 | 20 50.65 | -26 54.3 | 1.747 | 2.673 | 10.7 | 20.4 | 8 29 | 20 47.82 | -30 42.6 | 1.161 | 2.087 | 14.9 | 19.8 |
| 9 8 | 20 44.75 | -26 56.6 | 1.808 | 2.661 | 14.1 | 20.6 | 9 8 | 20 41.96 | -30 33.5 | 1.215 | 2.076 | 19.0 | 20.0 |
| 85039 | 4541 <i>P-L</i> | | 8 7.2 257°29 | 3°5/ 4.6 | 18 | | 459552 | 2013 <i>GN</i> ₄₆ | | 8 7.2 27°49 | 3°8/ 5.5 | 17 | |
| 6 30 | 21 37.40 | -24 55.7 | 2.268 | 3.106 | 12.4 | 20.2 | 6 30 | 21 35.64 | -21 23.6 | 0.972 | 1.861 | 21.1 | 20.6 |
| 7 10 | 21 32.66 | -25 32.5 | 2.172 | 3.088 | 9.7 | 20.0 | 7 10 | 21 33.09 | -21 58.3 | 0.925 | 1.870 | 16.4 | 20.4 |
| 7 20 | 21 25.75 | -26 11.8 | 2.098 | 3.069 | 6.8 | 19.8 | 7 20 | 21 26.84 | -22 41.4 | 0.894 | 1.879 | 11.0 | 20.1 |
| 7 30 | 21 17.14 | -26 48.7 | 2.051 | 3.050 | 4.1 | 19.6 | 7 30 | 21 17.81 | -23 24.3 | 0.883 | 1.890 | 5.7 | 19.9 |
| 8 9 | 21 7.61 | -27 18.1 | 2.031 | 3.031 | 3.9 | 19.5 | 8 9 | 21 7.59 | -23 57.6 | 0.893 | 1.902 | 4.4 | 19.8 |
| 8 19 | 20 58.06 | -27 36.1 | 2.039 | 3.011 | 6.5 | 19.6 | 8 19 | 20 57.99 | -24 14.3 | 0.925 | 1.915 | 9.1 | 20.2 |
| 8 29 | 20 49.50 | -27 40.3 | 2.074 | 2.991 | 9.7 | 19.8 | 8 29 | 20 50.69 | -24 11.8 | 0.978 | 1.928 | 14.2 | 20.5 |
| 9 8 | 20 42.74 | -27 30.7 | 2.132 | 2.970 | 12.7 | 20.0 | 9 8 | 20 46.76 | -23 51.0 | 1.049 | 1.943 | 18.7 | 20.8 |
| 513248 | 2006 <i>DJ</i> ₈₈ | | 8 7.2 237°15 | 2°8/ 9.5 | 18 | | 257598 | 1999 <i>RQ</i> ₆₆ | | 8 7.2 331°78 | 6°3/ 4.7 | 17 | </ |

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8 7.2

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 176117 | 2001 <i>DA</i> ₆₄ | | 8 7.2 58°51 | 0°7/ 6.9 | 17 | | 259743 | 2003 <i>YK</i> ₁₆₂ | | 8 7.2 191°00 | 5°9/ 3.1 | 18 | |
| 6 30 | 21 39.42 | -17 19.9 | 1.363 | 2.217 | 18.3 | 20.2 | 6 30 | 21 40.22 | -28 16.5 | 1.754 | 2.605 | 15.0 | 20.8 |
| 7 10 | 21 35.00 | -17 21.7 | 1.302 | 2.227 | 14.2 | 20.0 | 7 10 | 21 35.47 | -29 27.5 | 1.684 | 2.604 | 11.8 | 20.6 |
| 7 20 | 21 27.63 | -17 32.5 | 1.260 | 2.237 | 9.5 | 19.8 | 7 20 | 21 27.95 | -30 40.0 | 1.635 | 2.603 | 8.6 | 20.4 |
| 7 30 | 21 18.07 | -17 47.9 | 1.240 | 2.247 | 4.3 | 19.5 | 7 30 | 21 18.28 | -31 45.7 | 1.610 | 2.601 | 6.2 | 20.3 |
| 8 9 | 21 7.55 | -18 2.6 | 1.245 | 2.258 | 1.3 | 19.3 | 8 9 | 21 7.53 | -32 36.5 | 1.612 | 2.599 | 6.5 | 20.3 |
| 8 19 | 20 57.45 | -18 12.3 | 1.275 | 2.269 | 6.5 | 19.7 | 8 19 | 20 56.95 | -33 6.8 | 1.640 | 2.597 | 9.2 | 20.5 |
| 8 29 | 20 49.13 | -18 14.0 | 1.329 | 2.280 | 11.2 | 20.0 | 8 29 | 20 47.86 | -33 14.5 | 1.692 | 2.594 | 12.4 | 20.7 |
| 9 8 | 20 43.51 | -18 6.6 | 1.405 | 2.291 | 15.4 | 20.3 | 9 8 | 20 41.24 | -33 1.2 | 1.765 | 2.590 | 15.5 | 20.9 |
| 210703 | 2000 <i>SS</i> ₁₃₉ | | 8 7.2 277°91 | 4°8/ 9.8 | 17 | | 123689 | 2000 <i>YL</i> ₉₉ | | 8 7.2 265°99 | 1°2/ 8.1 | 18 | |
| 6 30 | 21 35.08 | - 5 2.3 | 1.472 | 2.292 | 18.8 | 20.5 | 6 30 | 21 33.96 | -12 7.9 | 2.316 | 3.133 | 12.9 | 19.7 |
| 7 10 | 21 31.74 | - 4 38.1 | 1.383 | 2.279 | 15.5 | 20.2 | 7 10 | 21 29.67 | -12 1.6 | 2.229 | 3.130 | 10.2 | 19.5 |
| 7 20 | 21 25.65 | - 4 32.3 | 1.311 | 2.265 | 11.6 | 20.0 | 7 20 | 21 23.57 | -12 3.7 | 2.164 | 3.128 | 7.0 | 19.3 |
| 7 30 | 21 17.32 | - 4 45.8 | 1.261 | 2.252 | 7.5 | 19.7 | 7 30 | 21 16.12 | -12 12.6 | 2.124 | 3.126 | 3.6 | 19.1 |
| 8 9 | 21 7.68 | - 5 16.9 | 1.234 | 2.238 | 4.9 | 19.5 | 8 9 | 21 8.00 | -12 25.9 | 2.112 | 3.124 | 1.3 | 18.9 |
| 8 19 | 20 57.95 | - 6 1.5 | 1.232 | 2.225 | 6.9 | 19.6 | 8 19 | 20 59.98 | -12 40.9 | 2.127 | 3.122 | 4.2 | 19.1 |
| 8 29 | 20 49.49 | - 6 53.5 | 1.255 | 2.211 | 11.2 | 19.8 | 8 29 | 20 52.84 | -12 55.2 | 2.171 | 3.119 | 7.6 | 19.3 |
| 9 8 | 20 43.41 | - 7 46.2 | 1.299 | 2.197 | 15.5 | 20.0 | 9 8 | 20 47.25 | -13 6.3 | 2.239 | 3.117 | 10.7 | 19.5 |
| 75840 | 2000 <i>BG</i> ₃₀ | | 8 7.2 177°11 | 1°1/ 6.4 | 18 | | 252161 | 2001 <i>CQ</i> ₂₂ | | 8 7.2 235°54 | 1°5/ 5.6 | 18 | |
| 6 30 | 21 37.58 | -16 37.7 | 1.932 | 2.765 | 14.5 | 19.3 | 6 30 | 21 31.58 | -16 22.1 | 2.526 | 3.355 | 11.6 | 20.5 |
| 7 10 | 21 32.91 | -17 15.4 | 1.853 | 2.767 | 11.3 | 19.0 | 7 10 | 21 27.86 | -17 34.0 | 2.435 | 3.348 | 9.0 | 20.3 |
| 7 20 | 21 25.96 | -18 2.3 | 1.795 | 2.769 | 7.5 | 18.8 | 7 20 | 21 22.41 | -18 55.4 | 2.367 | 3.340 | 5.9 | 20.1 |
| 7 30 | 21 17.28 | -18 54.0 | 1.763 | 2.770 | 3.4 | 18.6 | 7 30 | 21 15.62 | -20 21.8 | 2.326 | 3.333 | 2.8 | 19.8 |
| 8 9 | 21 7.72 | -19 44.9 | 1.758 | 2.770 | 1.6 | 18.4 | 8 9 | 21 8.10 | -21 48.0 | 2.315 | 3.325 | 1.9 | 19.8 |
| 8 19 | 20 58.28 | -20 29.9 | 1.781 | 2.770 | 5.6 | 18.7 | 8 19 | 21 0.55 | -23 8.3 | 2.333 | 3.316 | 4.9 | 20.0 |
| 8 29 | 20 49.99 | -21 5.0 | 1.830 | 2.769 | 9.5 | 19.0 | 8 29 | 20 53.72 | -24 18.5 | 2.379 | 3.308 | 8.1 | 20.1 |
| 9 8 | 20 43.69 | -21 28.3 | 1.903 | 2.768 | 13.0 | 19.2 | 9 8 | 20 48.30 | -25 15.6 | 2.450 | 3.299 | 10.9 | 20.3 |
| 462584 | 2009 <i>FR</i> ₂₀ | | 8 7.2 174°60 | 0°7/ 7.7 | 17 | | 96125 | 2152 <i>T</i> ₋₃ | | 8 7.2 357°86 | 8°8/ 14.5 | 18 | |
| 6 30 | 21 35.80 | -10 51.2 | 1.546 | 2.381 | 17.4 | 21.4 | 6 30 | 21 28.72 | + 7 49.8 | 1.881 | 2.630 | 17.8 | 19.6 |
| 7 10 | 21 32.04 | -11 30.3 | 1.470 | 2.383 | 13.7 | 21.2 | 7 10 | 21 26.07 | + 8 32.5 | 1.799 | 2.627 | 15.6 | 19.4 |
| 7 20 | 21 25.66 | -12 26.6 | 1.413 | 2.384 | 9.4 | 21.0 | 7 20 | 21 21.41 | + 8 52.6 | 1.734 | 2.625 | 13.1 | 19.3 |
| 7 30 | 21 17.23 | -13 36.3 | 1.379 | 2.385 | 4.5 | 20.7 | 7 30 | 21 15.21 | + 8 47.1 | 1.689 | 2.624 | 10.8 | 19.1 |
| 8 9 | 21 7.72 | -14 52.6 | 1.372 | 2.385 | 1.0 | 20.4 | 8 9 | 21 8.20 | + 8 15.5 | 1.666 | 2.624 | 9.1 | 19.0 |
| 8 19 | 20 58.33 | -16 8.2 | 1.390 | 2.385 | 5.8 | 20.8 | 8 19 | 21 1.23 | + 7 20.3 | 1.667 | 2.624 | 9.0 | 19.0 |
| 8 29 | 20 50.27 | -17 15.9 | 1.434 | 2.385 | 10.5 | 21.0 | 8 29 | 20 55.23 | + 6 6.7 | 1.692 | 2.625 | 10.5 | 19.1 |
| 9 8 | 20 44.54 | -18 10.9 | 1.500 | 2.384 | 14.7 | 21.3 | 9 8 | 20 50.95 | + 4 42.2 | 1.740 | 2.626 | 12.9 | 19.3 |
| 212762 | 2007 <i>TN</i> ₄₀ | | 8 7.2 125°00 | 1°9/ 8.6 | 18 | | 323595 | 2004 <i>TB</i> ₂₈₁ | | 8 7.2 303°57 | 0°2/ 7.1 | 18 | |
| 6 30 | 21 33.73 | - 9 26.8 | 2.044 | 2.860 | 14.4 | 20.8 | 6 30 | 21 31.38 | -14 54.5 | 2.149 | 2.984 | 13.2 | 21.0 |
| 7 10 | 21 29.70 | - 9 33.0 | 1.964 | 2.863 | 11.5 | 20.7 | 7 10 | 21 28.01 | -15 17.6 | 2.052 | 2.967 | 10.3 | 20.8 |
| 7 20 | 21 23.69 | - 9 51.5 | 1.905 | 2.867 | 8.0 | 20.5 | 7 20 | 21 22.67 | -15 50.1 | 1.977 | 2.950 | 7.0 | 20.5 |
| 7 30 | 21 16.19 | -10 20.3 | 1.871 | 2.870 | 4.4 | 20.2 | 7 30 | 21 15.79 | -16 28.9 | 1.926 | 2.933 | 3.2 | 20.3 |
| 8 9 | 21 7.97 | -10 56.4 | 1.863 | 2.874 | 1.9 | 20.1 | 8 9 | 21 8.07 | -17 10.2 | 1.903 | 2.916 | 0.8 | 20.1 |
| 8 19 | 20 59.87 | -11 35.7 | 1.882 | 2.877 | 4.6 | 20.3 | 8 19 | 21 0.31 | -17 49.8 | 1.907 | 2.900 | 4.8 | 20.3 |
| 8 29 | 20 52.77 | -12 14.3 | 1.929 | 2.880 | 8.3 | 20.5 | 8 29 | 20 53.43 | -18 23.7 | 1.937 | 2.883 | 8.6 | 20.5 |
| 9 8 | 20 47.40 | -12 48.5 | 2.000 | 2.883 | 11.6 | 20.7 | 9 8 | 20 48.16 | -18 49.2 | 1.992 | 2.867 | 12.0 | 20.7 |
| 521350 | 2015 <i>LR</i> ₄₅ | | 8 7.2 118°85 | 0°1/ 7.2 | 17 | | 276481 | 2003 <i>NK</i> ₁₃ | | 8 7.2 26°63 | 2°5/ 5.6 | 17 | |
| 6 30 | 21 35.06 | -13 42.4 | 2.053 | 2.880 | 14.0 | 22.2 | 6 30 | 21 30.52 | -17 11.3 | 1.176 | 2.053 | 19.0 | 19.2 |
| 7 10 | 21 30.69 | -14 17.5 | 1.983 | 2.892 | 10.9 | 22.0 | 7 10 | 21 28.44 | -18 14.6 | 1.129 | 2.068 | 14.6 | 19.0 |
| 7 20 | 21 24.31 | -15 2.8 | 1.933 | 2.904 | 7.3 | 21.8 | 7 20 | 21 23.40 | -19 31.0 | 1.101 | 2.085 | 9.6 | 18.7 |
| 7 30 | 21 16.46 | -15 54.8 | 1.910 | 2.916 | 3.3 | 21.6 | 7 30 | 21 16.17 | -20 52.4 | 1.094 | 2.102 | 4.5 | 18.5 |
| 8 9 | 21 7.92 | -16 48.5 | 1.913 | 2.927 | 0.8 | 21.4 | 8 9 | 21 8.01 | -22 8.8 | 1.111 | 2.121 | 3.1 | 18.5 |
| 8 19 | 20 59.57 | -17 39.1 | 1.945 | 2.938 | 4.8 | 21.7 | 8 19 | 21 0.29 | -23 11.8 | 1.151 | 2.141 | 7.7 | 18.8 |
| 8 29 | 20 52.29 | -18 22.7 | 2.004 | 2.948 | 8.5 | 21.9 | 8 29 | 20 54.34 | -23 55.9 | 1.213 | 2.161 | 12.3 | 19.1 |
| 9 8 | 20 46.79 | -18 56.7 | 2.087 | 2.958 | 11.7 | 22.2 | 9 8 | 20 51.05 | -24 19.6 | 1.296 | 2.183 | 16.3 | 19.4 |
| 88738 | 2001 <i>SF</i> ₄₄ | | 8 7.2 330°12 | 2°4/ 5.9 | 18 | | 289225 | 2004 <i>XH</i> ₅₃ | | 8 7.2 283°53 | 0°4/ 6.9 | 18 | |
| 6 30 | 21 30.49 | -18 9.5 | 1.254 | 2.130 | 18.2 | 18.9 | 6 30 | 21 34.13 | -15 7.0 | 1.779 | 2.620 | 15.2 | 21.2 |
| 7 10 | 21 28.71 | -18 48.2 | 1.175 | 2.113 | 14.3 | 18.6 | 7 10 | 21 30.58 | -15 32.0 | 1.687 | 2.605 | 12.0 | 20.9 |
| 7 20 | 21 23.89 | -19 40.0 | 1.114 | 2.097 | 9.6 | 18.3 | 7 20 | 21 24.64 | -16 8.1 | 1.616 | 2.590 | 8.1 | 20.7 |
| 7 30 | 21 16.58 | -20 39.1 | 1.074 | 2.082 | 4.6 | 17.9 | 7 30 | 21 16.78 | -16 51.8 | 1.569 | 2.575 | 3.7 | 20.4 |
| 8 9 | 21 7.86 | -21 37.1 | 1.057 | 2.068 | 3.0 | 17.8 | 8 9 | 21 7.85 | -17 38.1 | 1.547 | 2.560 | 1.1 | 20.1 |
| 8 19 | 20 59.13 | -22 25.8 | 1.064 | 2.055 | 7.9 | 18.1 | 8 19 | 20 58.89 | -18 21.5 | 1.552 | 2.545 | 5.6 | 20.4 |
| 8 29 | 20 51.93 | -22 59.0 | 1.092 | 2.043 | 13.1 | 18.3 | 8 29 | 20 51.02 | -18 57.4 | 1.583 | 2.530 | 10.0 | 20.7 |
| 9 8 | 20 47.49 | -23 13.7 | 1.140 | 2.032 | 17.7 | 18.5 | 9 8 | 20 45.19 | -19 22.7 | 1.637 | 2.515 | 14.0 | 20.9 |
| 333978 | 2000 <i>QS</i> ₁₇₀ | | 8 7.2 314°12 | 1°8/ 8.1 | 18 | | 432638 | 2010 <i>VE</i> ₁₇₃ | | 8 7.2 266°25 | 0°7/ 7.7 | 18 | |
| 6 30 | 21 32.06 | -11 38.4 | 1.423 | 2.273 | 17.8 | 20.1 | 6 30 | 21 36.57 | -12 44.5 | 1.642 | 2.478 | 16.5 | 22.4 |
| 7 10 | 21 29.70 | -11 31.6 | 1.322 | 2.243 | 14.4 | 19.8 | 7 10 | 21 32.75 | -12 57.1 | 1.546 | 2.460 | 13.2 | 22.2 |
| 7 20 | 21 24.51 | -11 39.2 | 1.240 | 2.213 | 10.2 | 19.4 | 7 20 | 21 26.27 | -13 23.0 | 1.470 | 2.441 | 9.1 | 21.9 |
| 7 30 | 21 16.90 | -11 59.9 | 1.179 | 2.183 | 5.3 | 19.1 | 7 30 | 21 17.62 | -13 59.6 | 1.417 | 2.422 | 4.4 | 21.6 |
| 8 9 | 21 7.77 | -12 30.4 | 1.141 | 2.154 | 1.8 | 18.8 | 8 9 | 21 7.68 | -14 42.2 | 1.390 | 2.403 | 1.0 | 21.3 |
| 8 19 | 20 58.37 | -13 5.7 | 1.128 | 2.125 | 6.4 | 19.0 | 8 19 | 20 57.62 | -15 25.5 | 1.389 | 2.384 | 5.8 | 21.6 |
| 8 29 | 20 50.14 | -13 40.1 | 1.138 | 2.097 | 11.7 | 19.2 | 8 29 | 20 48.72 | -16 4.1 | 1.413 | 2.364 | 10.7 | 21.8 |
| 9 8 | 20 44.35 | -14 8.5 | 1.169 | 2.070 | 16.6 | 19.4 | 9 8 | 20 42.08 | -16 34.1 | 1.460 | 2.344 | 15.0 | 22.0 |
| 11617 | 1996 <i>CL</i> ₂ | | 8 7.2 225°80 | 4°8/ 3.2 | 18 | | 263534 | 2008 <i>FT</i> ₃ | | 8 7.2 20 | | | |

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8 7.2

8 7.3

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|---------------|-----------|---------|------|---------------|------------------------|-----------------|---------------|------------|---------|------|
| 418890 | 2008 YE ₁₄₈ | | 8 7.2 42°86' | 2.9°/ 8.6 | 17 | | 224794 | 2006 SU ₃₉₄ | | 8 7.3 79°64' | 0.1°/ 7.2 | 18 | |
| 6 30 | 21 36.84 | -10 14.5 | 1.105 | 1.962 | 21.4 | 20.5 | 6 30 | 21 39.50 | -16 11.0 | 1.482 | 2.327 | 17.5 | 19.6 |
| 7 10 | 21 33.42 | -9 53.5 | 1.053 | 1.975 | 17.1 | 20.3 | 7 10 | 21 34.92 | -16 10.6 | 1.415 | 2.334 | 13.7 | 19.4 |
| 7 20 | 21 26.77 | -9 50.4 | 1.018 | 1.990 | 12.0 | 20.1 | 7 20 | 21 27.55 | -16 19.3 | 1.367 | 2.342 | 9.2 | 19.1 |
| 7 30 | 21 17.75 | -10 3.5 | 1.002 | 2.005 | 6.5 | 19.8 | 7 30 | 21 18.10 | -16 33.8 | 1.342 | 2.349 | 4.2 | 18.9 |
| 8 9 | 21 7.71 | -10 28.3 | 1.009 | 2.021 | 2.9 | 19.6 | 8 9 | 21 7.68 | -16 49.2 | 1.342 | 2.356 | 1.0 | 18.7 |
| 8 19 | 20 58.18 | -10 59.0 | 1.039 | 2.037 | 6.8 | 19.9 | 8 19 | 20 57.59 | -17 1.4 | 1.369 | 2.363 | 6.0 | 19.0 |
| 8 29 | 20 50.62 | -11 29.4 | 1.092 | 2.054 | 11.8 | 20.3 | 8 29 | 20 49.11 | -17 7.1 | 1.420 | 2.370 | 10.7 | 19.3 |
| 9 8 | 20 45.99 | -11 54.6 | 1.165 | 2.071 | 16.3 | 20.6 | 9 8 | 20 43.15 | -17 4.9 | 1.493 | 2.377 | 14.7 | 19.6 |
| 236831 | 2007 RE ₆₈ | | 8 7.2 15°56' | 2.4°/ 5.8 | 17 | | 479170 | 2013 CQ ₃₄ | | 8 7.3 94°35' | 2.5°/ 9.9 | 18 | |
| 6 30 | 21 34.96 | -20 13.0 | 1.594 | 2.451 | 15.9 | 20.8 | 6 30 | 21 31.24 | -4 8.8 | 2.421 | 3.210 | 13.2 | 21.0 |
| 7 10 | 21 31.32 | -20 42.0 | 1.525 | 2.453 | 12.3 | 20.6 | 7 10 | 21 27.41 | -4 45.9 | 2.347 | 3.226 | 10.7 | 20.9 |
| 7 20 | 21 25.11 | -21 17.7 | 1.477 | 2.456 | 8.3 | 20.4 | 7 20 | 21 21.98 | -5 37.9 | 2.294 | 3.242 | 7.7 | 20.7 |
| 7 30 | 21 16.95 | -21 54.9 | 1.452 | 2.458 | 4.0 | 20.1 | 7 30 | 21 15.39 | -6 42.7 | 2.266 | 3.257 | 4.6 | 20.5 |
| 8 9 | 21 7.87 | -22 27.5 | 1.452 | 2.462 | 2.8 | 20.1 | 8 9 | 21 8.26 | -7 56.6 | 2.266 | 3.273 | 2.5 | 20.4 |
| 8 19 | 20 59.03 | -22 50.6 | 1.478 | 2.466 | 6.7 | 20.3 | 8 19 | 21 1.25 | -9 14.9 | 2.295 | 3.288 | 4.1 | 20.6 |
| 8 29 | 20 51.61 | -23 1.2 | 1.529 | 2.470 | 10.8 | 20.6 | 8 29 | 20 55.07 | -10 32.6 | 2.352 | 3.303 | 7.0 | 20.8 |
| 9 8 | 20 46.50 | -22 58.4 | 1.601 | 2.474 | 14.5 | 20.8 | 9 8 | 20 50.29 | -11 45.2 | 2.436 | 3.318 | 9.8 | 21.0 |
| 7919 | Prime | | 8 7.2 10°11' | 1.0°/ 6.7 | 18 | | 195427 | 2002 GY ₅₁ | | 8 7.3 5°74' | 1.1°/ 8.0 | 18 | |
| 6 30 | 21 33.55 | -16 21.0 | 1.291 | 2.156 | 18.4 | 17.7 | 6 30 | 21 32.70 | -10 53.2 | 1.651 | 2.487 | 16.4 | 19.9 |
| 7 10 | 21 30.74 | -16 43.8 | 1.225 | 2.157 | 14.4 | 17.4 | 7 10 | 21 29.45 | -11 14.8 | 1.574 | 2.487 | 13.0 | 19.7 |
| 7 20 | 21 25.00 | -17 18.9 | 1.179 | 2.159 | 9.6 | 17.2 | 7 20 | 21 23.84 | -11 51.3 | 1.518 | 2.488 | 8.9 | 19.5 |
| 7 30 | 21 16.99 | -18 1.3 | 1.153 | 2.161 | 4.4 | 16.9 | 7 30 | 21 16.40 | -12 39.7 | 1.484 | 2.488 | 4.5 | 19.2 |
| 8 9 | 21 7.87 | -18 44.1 | 1.152 | 2.165 | 1.6 | 16.7 | 8 9 | 21 8.04 | -13 35.1 | 1.476 | 2.489 | 1.2 | 19.0 |
| 8 19 | 20 59.02 | -19 20.8 | 1.174 | 2.169 | 6.8 | 17.0 | 8 19 | 20 59.80 | -14 31.6 | 1.494 | 2.490 | 5.3 | 19.3 |
| 8 29 | 20 51.80 | -19 46.5 | 1.220 | 2.173 | 11.8 | 17.3 | 8 29 | 20 52.77 | -15 23.5 | 1.537 | 2.491 | 9.7 | 19.6 |
| 9 8 | 20 47.24 | -19 58.8 | 1.286 | 2.179 | 16.1 | 17.6 | 9 8 | 20 47.82 | -16 6.5 | 1.603 | 2.493 | 13.6 | 19.8 |
| 51586 | 2001 HO ₁₂ | | 8 7.2 20°56' | 2.9°/ 5.8 | 18 | | 384465 | 2010 BQ ₆₅ | | 8 7.3 80°59' | 2.4°/ 5.4 | 17 | |
| 6 30 | 21 33.05 | -19 28.0 | 1.113 | 1.995 | 19.6 | 18.4 | 6 30 | 21 35.48 | -19 36.3 | 1.876 | 2.721 | 14.4 | 21.1 |
| 7 10 | 21 30.70 | -20 5.0 | 1.060 | 2.001 | 15.2 | 18.2 | 7 10 | 21 31.25 | -20 28.4 | 1.815 | 2.737 | 11.1 | 20.9 |
| 7 20 | 21 25.10 | -20 52.4 | 1.025 | 2.009 | 10.1 | 17.9 | 7 20 | 21 24.80 | -21 27.2 | 1.777 | 2.753 | 7.3 | 20.7 |
| 7 30 | 21 17.04 | -21 42.7 | 1.010 | 2.018 | 4.9 | 17.7 | 7 30 | 21 16.75 | -22 27.1 | 1.764 | 2.769 | 3.6 | 20.5 |
| 8 9 | 21 7.88 | -22 27.3 | 1.018 | 2.028 | 3.4 | 17.6 | 8 9 | 21 7.99 | -23 22.0 | 1.777 | 2.785 | 2.8 | 20.5 |
| 8 19 | 20 59.16 | -22 59.2 | 1.049 | 2.040 | 8.1 | 17.9 | 8 19 | 20 59.50 | -24 6.8 | 1.818 | 2.801 | 6.1 | 20.7 |
| 8 29 | 20 52.37 | -23 14.0 | 1.101 | 2.052 | 13.0 | 18.2 | 8 29 | 20 52.27 | -24 38.2 | 1.885 | 2.817 | 9.7 | 21.0 |
| 9 8 | 20 48.53 | -23 11.4 | 1.173 | 2.065 | 17.3 | 18.5 | 9 8 | 20 47.02 | -24 55.4 | 1.975 | 2.833 | 12.8 | 21.2 |
| 509055 | 2005 SE ₂₉₀ | | 8 7.3 230°51' | 4.3°/ 3.7 | 18 | | 383245 | 2006 BF ₂₁₉ | | 8 7.3 182°92' | 1.3°/ 8.2 | 18 | |
| 6 30 | 21 35.12 | -27 11.4 | 2.282 | 3.127 | 12.2 | 21.4 | 6 30 | 21 36.67 | -10 55.8 | 2.267 | 3.075 | 13.4 | 22.3 |
| 7 10 | 21 30.83 | -28 2.5 | 2.206 | 3.124 | 9.5 | 21.2 | 7 10 | 21 31.84 | -11 4.0 | 2.180 | 3.076 | 10.6 | 22.1 |
| 7 20 | 21 24.49 | -28 54.5 | 2.152 | 3.121 | 6.8 | 21.0 | 7 20 | 21 25.09 | -11 22.3 | 2.114 | 3.076 | 7.4 | 21.9 |
| 7 30 | 21 16.61 | -29 42.1 | 2.125 | 3.119 | 4.6 | 20.9 | 7 30 | 21 16.89 | -11 48.8 | 2.075 | 3.076 | 3.8 | 21.7 |
| 8 9 | 21 7.98 | -30 19.9 | 2.124 | 3.116 | 4.7 | 20.9 | 8 9 | 21 7.96 | -12 20.5 | 2.063 | 3.075 | 1.3 | 21.5 |
| 8 19 | 20 59.46 | -30 44.2 | 2.151 | 3.113 | 7.0 | 21.0 | 8 19 | 20 59.11 | -12 53.8 | 2.079 | 3.073 | 4.4 | 21.7 |
| 8 29 | 20 51.98 | -30 53.0 | 2.203 | 3.110 | 9.8 | 21.2 | 8 29 | 20 51.20 | -13 25.4 | 2.124 | 3.071 | 7.9 | 21.9 |
| 9 8 | 20 46.28 | -30 46.6 | 2.278 | 3.107 | 12.4 | 21.4 | 9 8 | 20 44.92 | -13 52.5 | 2.194 | 3.068 | 11.1 | 22.1 |
| 468676 | 2009 DF ₁₂₆ | | 8 7.3 274°94' | 4.7°/ 5.1 | 17 | | 11803 | Turrini | | 8 7.3 216°53' | 5.3°/ 12.4 | 18 | |
| 6 30 | 21 41.81 | -25 24.1 | 1.402 | 2.261 | 17.5 | 21.0 | 6 30 | 21 31.03 | + 3 9.4 | 2.611 | 3.357 | 13.4 | 19.2 |
| 7 10 | 21 37.26 | -25 52.9 | 1.329 | 2.256 | 13.8 | 20.8 | 7 10 | 21 27.28 | + 3 19.4 | 2.514 | 3.352 | 11.4 | 19.0 |
| 7 20 | 21 29.45 | -26 24.1 | 1.275 | 2.251 | 9.6 | 20.5 | 7 20 | 21 21.95 | + 3 13.5 | 2.437 | 3.346 | 9.1 | 18.9 |
| 7 30 | 21 19.08 | -26 50.3 | 1.245 | 2.246 | 5.7 | 20.3 | 7 30 | 21 15.43 | + 2 51.0 | 2.384 | 3.341 | 6.9 | 18.7 |
| 8 9 | 21 7.44 | -27 4.1 | 1.238 | 2.241 | 5.1 | 20.2 | 8 9 | 21 8.28 | + 2 12.9 | 2.357 | 3.335 | 5.4 | 18.6 |
| 8 19 | 20 56.08 | -27 0.4 | 1.257 | 2.236 | 8.7 | 20.4 | 8 19 | 21 1.14 | + 1 21.5 | 2.356 | 3.329 | 5.8 | 18.6 |
| 8 29 | 20 46.54 | -26 38.1 | 1.299 | 2.231 | 13.1 | 20.7 | 8 29 | 20 54.68 | + 0 20.8 | 2.384 | 3.322 | 7.6 | 18.7 |
| 9 8 | 20 39.96 | -25 59.0 | 1.361 | 2.226 | 17.1 | 20.9 | 9 8 | 20 49.51 | - 0 44.6 | 2.437 | 3.316 | 9.9 | 18.9 |
| 211175 | 2002 JO ₄₂ | | 8 7.3 103°27' | 4.1°/ 4.8 | 17 | | 352120 | 2007 EO ₁₄₁ | | 8 7.3 344°21' | 5.1°/ 11.8 | 18 | |
| 6 30 | 21 39.57 | -23 2.0 | 1.464 | 2.322 | 17.0 | 20.4 | 6 30 | 21 29.54 | + 0 39.1 | 2.192 | 2.967 | 14.8 | 20.5 |
| 7 10 | 21 35.17 | -23 54.3 | 1.402 | 2.330 | 13.2 | 20.1 | 7 10 | 21 26.40 | + 0 45.8 | 2.104 | 2.965 | 12.4 | 20.3 |
| 7 20 | 21 27.83 | -24 52.1 | 1.361 | 2.338 | 9.0 | 19.9 | 7 20 | 21 21.50 | + 0 35.0 | 2.035 | 2.962 | 9.7 | 20.1 |
| 7 30 | 21 18.25 | -25 47.7 | 1.343 | 2.346 | 5.1 | 19.7 | 7 30 | 21 15.26 | + 0 6.4 | 1.989 | 2.960 | 7.0 | 20.0 |
| 8 9 | 21 7.64 | -26 33.0 | 1.350 | 2.353 | 4.7 | 19.7 | 8 9 | 21 8.32 | - 0 38.5 | 1.968 | 2.958 | 5.2 | 19.9 |
| 8 19 | 20 57.38 | -27 2.1 | 1.382 | 2.361 | 8.2 | 19.9 | 8 19 | 21 1.42 | - 1 36.4 | 1.973 | 2.956 | 5.8 | 19.9 |
| 8 29 | 20 48.83 | -27 12.3 | 1.438 | 2.368 | 12.3 | 20.2 | 8 29 | 20 55.34 | - 2 42.3 | 2.006 | 2.954 | 8.2 | 20.0 |
| 9 8 | 20 42.96 | -27 4.4 | 1.515 | 2.375 | 15.9 | 20.4 | 9 8 | 20 50.76 | - 3 50.8 | 2.063 | 2.953 | 11.0 | 20.2 |
| 61778 | 2000 QA ₁₇₄ | | 8 7.3 262°55' | 2.7°/ 8.6 | 18 | | 14138 | 1998 RL ₇₁ | | 8 7.3 300°18' | 1.0°/ 6.7 | 18 | |
| 6 30 | 21 37.53 | - 9 41.2 | 1.538 | 2.367 | 17.8 | 19.6 | 6 30 | 21 33.40 | -15 30.8 | 1.450 | 2.306 | 17.2 | 18.1 |
| 7 10 | 21 33.61 | - 9 28.0 | 1.446 | 2.352 | 14.3 | 19.4 | 7 10 | 21 30.72 | -16 3.3 | 1.356 | 2.283 | 13.6 | 17.8 |
| 7 20 | 21 26.91 | - 9 29.1 | 1.373 | 2.338 | 10.2 | 19.1 | 7 20 | 21 25.18 | -16 50.3 | 1.282 | 2.260 | 9.2 | 17.5 |
| 7 30 | 21 17.95 | - 9 43.6 | 1.323 | 2.323 | 5.7 | 18.8 | 7 30 | 21 17.25 | -17 47.5 | 1.230 | 2.237 | 4.3 | 17.2 |
| 8 9 | 21 7.67 | -10 8.7 | 1.297 | 2.308 | 2.7 | 18.6 | 8 9 | 21 7.86 | -18 48.3 | 1.202 | 2.215 | 1.6 | 16.9 |
| 8 19 | 20 57.32 | -10 40.1 | 1.297 | 2.293 | 6.1 | 18.7 | 8 19 | 20 58.28 | -19 45.0 | 1.199 | 2.192 | 6.9 | 17.2 |
| 8 29 | 20 48.24 | -11 12.7 | 1.322 | 2.277 | 10.9 | 19.0 | 8 29 | 20 49.97 | -20 31.0 | 1.220 | 2.170 | 12.1 | 17.4 |
| 9 8 | 20 41.53 | -11 41.8 | 1.369 | 2.261 | 15.3 | 19.2 | 9 8 | 20 44.14 | -21 2.3 | 1.261 | 2.148 | 16.7 | 17.7 |
| 254206 | 2004 RQ ₇₈ | | 8 7.3 244°02' | 5.3°/ 2.0 | 18 | | 50064 | 2000 AQ ₇₂ | | 8 7.3 27°99' | 1.9°/ 5.9 | 18 | |
| 6 30 | 21 38.19 | -34 23.6 | 2.911 | 3.738 | 1 | | | | | | | | |

EPHEMERIDES

8 7.3

8 7.3

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|----------|-------|---------|------|---------------|-------------------------------|-----------------|-----------|-------|---------|------|
| 43296 | 2000 <i>GM</i> ₅₃ | 8 7.3 308°62 | 5°8/10.5 | 18 | | | 400675 | 2009 <i>OS</i> ₁₉ | 8 7.3 346°78 | 3°0/4.5 | 18 | | |
| 6 30 | 21 31.21 | -3 6.0 | 1.439 | 2.260 | 19.1 | 18.8 | 6 30 | 21 25.29 | -15 41.8 | 1.510 | 2.377 | 16.1 | 19.4 |
| 7 10 | 21 28.90 | -2 39.9 | 1.343 | 2.237 | 16.0 | 18.6 | 7 10 | 21 24.15 | -17 31.3 | 1.428 | 2.364 | 12.4 | 19.2 |
| 7 20 | 21 23.90 | -2 34.1 | 1.263 | 2.214 | 12.3 | 18.3 | 7 20 | 21 20.60 | -19 40.3 | 1.368 | 2.351 | 8.2 | 18.9 |
| 7 30 | 21 16.64 | -2 50.8 | 1.205 | 2.192 | 8.4 | 18.0 | 7 30 | 21 15.06 | -22 0.7 | 1.332 | 2.339 | 4.1 | 18.6 |
| 8 9 | 21 7.99 | -3 29.1 | 1.169 | 2.170 | 5.8 | 17.8 | 8 9 | 21 8.38 | -24 21.2 | 1.322 | 2.329 | 3.8 | 18.6 |
| 8 19 | 20 59.13 | -4 25.1 | 1.157 | 2.148 | 7.4 | 17.8 | 8 19 | 21 1.65 | -26 30.0 | 1.338 | 2.321 | 7.9 | 18.8 |
| 8 29 | 20 51.40 | -5 32.0 | 1.168 | 2.127 | 11.5 | 18.0 | 8 29 | 20 56.06 | -28 17.5 | 1.379 | 2.313 | 12.3 | 19.1 |
| 9 8 | 20 46.00 | -6 41.8 | 1.200 | 2.106 | 15.9 | 18.2 | 9 8 | 20 52.66 | -29 38.9 | 1.440 | 2.308 | 16.2 | 19.3 |
| 59608 | 1999 <i>JQ</i> ₆₆ | 8 7.3 46°87 | 2°4/8.8 | 18 | | | 342135 | 2008 <i>SN</i> ₁₂₇ | 8 7.3 224°65 | 2°8/4.9 | 18 | | |
| 6 30 | 21 33.69 | -8 34.6 | 1.537 | 2.369 | 17.6 | 18.4 | 6 30 | 21 37.72 | -23 5.7 | 2.437 | 3.268 | 11.9 | 22.4 |
| 7 10 | 21 30.28 | -8 42.5 | 1.469 | 2.377 | 14.0 | 18.2 | 7 10 | 21 32.76 | -23 47.3 | 2.343 | 3.257 | 9.3 | 22.2 |
| 7 20 | 21 24.40 | -9 7.3 | 1.420 | 2.385 | 9.9 | 18.0 | 7 20 | 21 25.79 | -24 32.6 | 2.273 | 3.244 | 6.3 | 22.0 |
| 7 30 | 21 16.67 | -9 46.6 | 1.393 | 2.394 | 5.4 | 17.8 | 7 30 | 21 17.28 | -25 16.9 | 2.229 | 3.231 | 3.6 | 21.8 |
| 8 9 | 21 8.04 | -10 36.0 | 1.391 | 2.402 | 2.4 | 17.6 | 8 9 | 21 7.93 | -25 55.6 | 2.214 | 3.217 | 3.2 | 21.8 |
| 8 19 | 20 59.63 | -11 29.8 | 1.415 | 2.411 | 5.5 | 17.8 | 8 19 | 20 58.59 | -26 24.5 | 2.228 | 3.202 | 5.8 | 21.9 |
| 8 29 | 20 52.57 | -12 21.9 | 1.464 | 2.421 | 9.9 | 18.1 | 8 29 | 20 50.15 | -26 41.3 | 2.268 | 3.187 | 8.9 | 22.1 |
| 9 8 | 20 47.72 | -13 7.4 | 1.535 | 2.430 | 13.8 | 18.3 | 9 8 | 20 43.36 | -26 45.3 | 2.333 | 3.171 | 11.8 | 22.3 |
| 395381 | 2011 <i>SQ</i> ₄₅ | 8 7.3 152°95 | 1°3/8.2 | 18 | | | 410772 | 2009 <i>ER</i> ₅ | 8 7.3 94°12 | 0°2/7.1 | 15 | | |
| 6 30 | 21 34.63 | -11 20.2 | 2.130 | 2.947 | 13.8 | 21.6 | 6 30 | 21 34.91 | -14 49.5 | 2.104 | 2.933 | 13.6 | 21.8 |
| 7 10 | 21 30.36 | -11 25.4 | 2.048 | 2.950 | 10.9 | 21.4 | 7 10 | 21 30.53 | -15 13.3 | 2.036 | 2.947 | 10.6 | 21.7 |
| 7 20 | 21 24.14 | -11 40.9 | 1.988 | 2.953 | 7.6 | 21.2 | 7 20 | 21 24.21 | -15 45.5 | 1.990 | 2.961 | 7.1 | 21.5 |
| 7 30 | 21 16.47 | -12 4.8 | 1.953 | 2.955 | 3.9 | 21.0 | 7 30 | 21 16.48 | -16 23.0 | 1.969 | 2.975 | 3.2 | 21.3 |
| 8 9 | 21 8.08 | -12 33.8 | 1.945 | 2.957 | 1.3 | 20.8 | 8 9 | 21 8.13 | -17 1.6 | 1.975 | 2.988 | 0.8 | 21.1 |
| 8 19 | 20 59.82 | -13 4.5 | 1.965 | 2.959 | 4.5 | 21.0 | 8 19 | 20 59.99 | -17 37.1 | 2.009 | 3.002 | 4.6 | 21.4 |
| 8 29 | 20 52.53 | -13 33.4 | 2.012 | 2.961 | 8.1 | 21.2 | 8 29 | 20 52.92 | -18 6.5 | 2.070 | 3.015 | 8.2 | 21.6 |
| 9 8 | 20 46.93 | -13 57.6 | 2.083 | 2.963 | 11.3 | 21.5 | 9 8 | 20 47.57 | -18 27.6 | 2.156 | 3.028 | 11.3 | 21.9 |
| 23192 | Caystvesterby | 8 7.3 176°24 | 0°5/6.9 | 18 | | | 475964 | 2007 <i>HW</i> ₇₀ | 8 7.3 40°11 | 10°9/31.8 | 16 | | |
| 6 30 | 21 35.91 | -17 15.9 | 2.226 | 3.055 | 12.9 | 18.6 | 6 30 | 21 40.12 | -37 46.8 | 1.357 | 2.222 | 17.7 | 20.7 |
| 7 10 | 21 31.29 | -17 20.6 | 2.144 | 3.055 | 10.1 | 18.4 | 7 10 | 21 36.19 | -39 24.2 | 1.321 | 2.237 | 14.7 | 20.6 |
| 7 20 | 21 24.73 | -17 30.9 | 2.084 | 3.056 | 6.7 | 18.2 | 7 20 | 21 28.74 | -40 51.5 | 1.305 | 2.253 | 12.2 | 20.5 |
| 7 30 | 21 16.73 | -17 44.1 | 2.050 | 3.056 | 3.1 | 18.0 | 7 30 | 21 18.72 | -41 56.7 | 1.309 | 2.270 | 10.9 | 20.4 |
| 8 9 | 21 8.04 | -17 57.1 | 2.043 | 3.056 | 0.9 | 17.8 | 8 9 | 21 7.68 | -42 30.8 | 1.336 | 2.288 | 11.5 | 20.5 |
| 8 19 | 20 59.49 | -18 6.9 | 2.064 | 3.056 | 4.6 | 18.1 | 8 19 | 20 57.34 | -42 30.2 | 1.385 | 2.306 | 13.5 | 20.7 |
| 8 29 | 20 51.94 | -18 11.3 | 2.113 | 3.056 | 8.2 | 18.3 | 8 29 | 20 49.26 | -41 57.3 | 1.454 | 2.324 | 16.0 | 20.9 |
| 9 8 | 20 46.09 | -18 9.1 | 2.186 | 3.056 | 11.3 | 18.5 | 9 8 | 20 44.39 | -40 58.2 | 1.541 | 2.343 | 18.5 | 21.1 |
| 294897 | 2008 <i>DK</i> ₁₉ | 8 7.3 75°19 | 0°3/7.5 | 18 | | | 426497 | 2013 <i>RJ</i> ₃₃ | 8 7.3 354°93 | 1°5/6.5 | 17 | | |
| 6 30 | 21 33.80 | -13 55.9 | 2.147 | 2.974 | 13.4 | 20.8 | 6 30 | 21 26.81 | -16 18.6 | 0.970 | 1.872 | 20.7 | 19.9 |
| 7 10 | 21 29.64 | -14 10.7 | 2.076 | 2.986 | 10.5 | 20.6 | 7 10 | 21 26.34 | -16 48.1 | 0.917 | 1.864 | 16.2 | 19.6 |
| 7 20 | 21 23.59 | -14 34.1 | 2.027 | 2.997 | 7.1 | 20.4 | 7 20 | 21 22.54 | -17 33.9 | 0.871 | 1.858 | 10.9 | 19.3 |
| 7 30 | 21 16.18 | -15 3.4 | 2.003 | 3.008 | 3.3 | 20.2 | 7 30 | 21 16.06 | -18 30.3 | 0.845 | 1.854 | 5.0 | 19.0 |
| 8 9 | 21 8.16 | -15 35.0 | 2.007 | 3.020 | 0.7 | 20.0 | 8 9 | 21 8.19 | -19 28.1 | 0.839 | 1.852 | 2.2 | 18.8 |
| 8 19 | 21 0.33 | -16 5.3 | 2.038 | 3.031 | 4.4 | 20.3 | 8 19 | 21 0.53 | -20 18.1 | 0.854 | 1.851 | 8.0 | 19.2 |
| 8 29 | 20 53.51 | -16 31.1 | 2.096 | 3.043 | 8.0 | 20.6 | 8 29 | 20 54.75 | -20 52.9 | 0.890 | 1.852 | 13.7 | 19.5 |
| 9 8 | 20 48.36 | -16 50.2 | 2.178 | 3.054 | 11.1 | 20.8 | 9 8 | 20 52.02 | -21 9.0 | 0.944 | 1.855 | 18.6 | 19.8 |
| 248128 | 2004 <i>RN</i> ₂₉₁ | 8 7.3 289°68 | 1°9/5.5 | 18 | | | 339193 | 2004 <i>TH</i> ₂₀₁ | 8 7.3 311°88 | 0°2/7.2 | 18 | | |
| 6 30 | 21 31.71 | -18 37.8 | 2.213 | 3.054 | 12.6 | 20.1 | 6 30 | 21 32.85 | -14 28.7 | 1.547 | 2.397 | 16.6 | 21.4 |
| 7 10 | 21 28.22 | -19 30.6 | 2.128 | 3.048 | 9.8 | 19.9 | 7 10 | 21 29.96 | -14 49.9 | 1.460 | 2.383 | 13.1 | 21.2 |
| 7 20 | 21 22.80 | -20 31.1 | 2.065 | 3.041 | 6.5 | 19.7 | 7 20 | 21 24.45 | -15 24.0 | 1.392 | 2.368 | 8.9 | 20.9 |
| 7 30 | 21 15.90 | -21 34.9 | 2.029 | 3.035 | 3.2 | 19.5 | 7 30 | 21 16.83 | -16 7.6 | 1.347 | 2.354 | 4.1 | 20.6 |
| 8 9 | 21 8.22 | -22 36.6 | 2.020 | 3.028 | 2.3 | 19.4 | 8 9 | 21 8.03 | -16 55.2 | 1.327 | 2.340 | 1.0 | 20.3 |
| 8 19 | 21 0.57 | -23 31.3 | 2.038 | 3.022 | 5.5 | 19.6 | 8 19 | 20 59.20 | -17 40.7 | 1.332 | 2.327 | 6.1 | 20.6 |
| 8 29 | 20 53.81 | -24 15.0 | 2.083 | 3.016 | 8.9 | 19.8 | 8 29 | 20 51.61 | -18 18.6 | 1.362 | 2.314 | 10.9 | 20.9 |
| 9 8 | 20 48.68 | -24 45.6 | 2.152 | 3.009 | 11.9 | 20.0 | 9 8 | 20 46.30 | -18 45.3 | 1.413 | 2.302 | 15.1 | 21.1 |
| 504922 | 2011 <i>BN</i> ₁₀₀ | 8 7.3 129°72 | 2°2/8.6 | 17 | | | 360232 | 1999 <i>VD</i> ₁₅₅ | 8 7.3 320°05 | 2°7/9.2 | 15 | | |
| 6 30 | 21 37.42 | -10 2.0 | 1.758 | 2.578 | 16.2 | 21.3 | 6 30 | 21 30.86 | -7 53.9 | 1.974 | 2.792 | 14.8 | 21.2 |
| 7 10 | 21 32.90 | -9 54.8 | 1.682 | 2.584 | 12.9 | 21.1 | 7 10 | 21 27.74 | -7 49.2 | 1.880 | 2.778 | 11.9 | 21.0 |
| 7 20 | 21 26.03 | -10 0.2 | 1.627 | 2.590 | 9.1 | 20.8 | 7 20 | 21 22.59 | -7 57.8 | 1.806 | 2.765 | 8.6 | 20.8 |
| 7 30 | 21 17.40 | -10 16.7 | 1.596 | 2.596 | 4.9 | 20.6 | 7 30 | 21 15.85 | -8 18.9 | 1.755 | 2.752 | 5.0 | 20.5 |
| 8 9 | 21 7.91 | -10 41.0 | 1.590 | 2.601 | 2.2 | 20.4 | 8 9 | 21 8.25 | -8 50.1 | 1.730 | 2.739 | 2.7 | 20.4 |
| 8 19 | 20 58.62 | -11 9.3 | 1.611 | 2.606 | 5.2 | 20.6 | 8 19 | 21 0.62 | -9 27.7 | 1.732 | 2.727 | 5.0 | 20.5 |
| 8 29 | 20 50.57 | -11 37.4 | 1.659 | 2.611 | 9.3 | 20.9 | 8 29 | 20 53.92 | -10 7.5 | 1.760 | 2.715 | 8.6 | 20.7 |
| 9 8 | 20 44.61 | -12 1.8 | 1.730 | 2.616 | 13.0 | 21.1 | 9 8 | 20 48.91 | -10 45.2 | 1.811 | 2.703 | 12.2 | 20.9 |
| 40675 | 1999 <i>RU</i> ₂₀₅ | 8 7.3 308°32 | 1°7/8.4 | 18 | | | 183903 | 2004 <i>CX</i> ₈₉ | 8 7.3 272°71 | 1°7/8.4 | 18 | | |
| 6 30 | 21 34.19 | -11 19.3 | 2.137 | 2.956 | 13.8 | 19.1 | 6 30 | 21 33.85 | -8 51.0 | 1.629 | 2.458 | 16.9 | 20.6 |
| 7 10 | 21 30.08 | -11 4.7 | 2.047 | 2.948 | 11.0 | 18.9 | 7 10 | 21 30.66 | -9 18.0 | 1.533 | 2.440 | 13.6 | 20.3 |
| 7 20 | 21 24.01 | -10 59.2 | 1.978 | 2.941 | 7.7 | 18.7 | 7 20 | 21 24.92 | -10 3.5 | 1.455 | 2.422 | 9.6 | 20.1 |
| 7 30 | 21 16.44 | -11 1.6 | 1.934 | 2.934 | 4.1 | 18.4 | 7 30 | 21 17.08 | -11 5.4 | 1.401 | 2.404 | 5.1 | 19.8 |
| 8 9 | 21 8.11 | -11 9.7 | 1.916 | 2.927 | 1.8 | 18.3 | 8 9 | 21 7.99 | -12 18.9 | 1.373 | 2.385 | 1.7 | 19.5 |
| 8 19 | 20 59.83 | -11 21.1 | 1.926 | 2.921 | 4.6 | 18.4 | 8 19 | 20 58.73 | -13 37.0 | 1.370 | 2.366 | 5.7 | 19.7 |
| 8 29 | 20 52.50 | -11 33.0 | 1.963 | 2.914 | 8.2 | 18.7 | 8 29 | 20 50.57 | -14 52.4 | 1.393 | 2.347 | 10.5 | 19.9 |
| 9 8 | 20 46.83 | -11 42.7 | 2.025 | 2.908 | 11.5 | 18.9 | 9 8 | 20 44.55 | -15 58.7 | 1.439 | 2.328 | 14.8 | 20.2 |
| 485273 | 2010 <i>WA</i> ₅₈ | 8 7.3 292°74 | 0°8/7.9 | 17 | | | 13400 | 1999 <i>RC</i> ₉₄ | 8 7.3 316°71 | 1°0/7.9 | 18 | | |
| 6 30 | 21 | | | | | | | | | | | | |

EPHEMERIDES

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------|---------|------|---------------|-------------------------------|-----------------|-------------|-------|---------|------|
| 348360 | 2005 <i>EP</i> ₂₀₂ | 8 7.3 281°32 | 1.7°/ 6.1 18 | | | | 380752 | 2005 <i>SO</i> ₁₅₉ | 8 7.3 351°17 | 4°0/ 8.8 15 | | | |
| 6 30 | 21 35.37 | -18 22.8 | 1.861 | 2.704 | 14.5 | 21.5 | 6 30 | 21 33.12 | -10 29.1 | 1.156 | 2.016 | 20.5 | 20.0 |
| 7 10 | 21 31.60 | -18 55.4 | 1.763 | 2.683 | 11.4 | 21.3 | 7 10 | 21 30.76 | -9 34.8 | 1.085 | 2.008 | 16.6 | 19.7 |
| 7 20 | 21 25.42 | -19 36.9 | 1.685 | 2.661 | 7.7 | 21.0 | 7 20 | 21 25.28 | -8 53.9 | 1.030 | 2.001 | 12.0 | 19.4 |
| 7 30 | 21 17.27 | -20 22.8 | 1.633 | 2.639 | 3.6 | 20.7 | 7 30 | 21 17.30 | -8 27.4 | 0.996 | 1.996 | 7.0 | 19.1 |
| 8 9 | 21 7.97 | -21 7.7 | 1.606 | 2.617 | 2.2 | 20.6 | 8 9 | 21 8.02 | -8 14.1 | 0.983 | 1.992 | 4.0 | 18.9 |
| 8 19 | 20 58.57 | -21 46.1 | 1.607 | 2.595 | 6.1 | 20.8 | 8 19 | 20 58.90 | -8 11.5 | 0.993 | 1.989 | 7.2 | 19.1 |
| 8 29 | 20 50.21 | -22 13.8 | 1.633 | 2.573 | 10.4 | 21.0 | 8 29 | 20 51.47 | -8 15.5 | 1.025 | 1.988 | 12.2 | 19.4 |
| 9 8 | 20 43.87 | -22 28.6 | 1.682 | 2.550 | 14.2 | 21.2 | 9 8 | 20 46.85 | -8 21.3 | 1.076 | 1.988 | 16.8 | 19.6 |
| 444365 | 2005 <i>XC</i> ₆₁ | 8 7.3 235°28 | 0°0/ 7.2 15 | | | | 308988 | 2006 <i>UE</i> ₁₃ | 8 7.3 277°62 | 0°0/ 7.1 18 | | | |
| 6 30 | 21 32.61 | -14 12.5 | 2.632 | 3.451 | 11.5 | 22.8 | 6 30 | 21 32.77 | -13 55.0 | 2.087 | 2.917 | 13.6 | 21.5 |
| 7 10 | 21 28.55 | -14 35.2 | 2.536 | 3.442 | 9.0 | 22.6 | 7 10 | 21 29.11 | -14 20.6 | 1.999 | 2.911 | 10.7 | 21.3 |
| 7 20 | 21 22.85 | -15 5.7 | 2.463 | 3.432 | 6.1 | 22.4 | 7 20 | 21 23.45 | -14 56.4 | 1.933 | 2.904 | 7.2 | 21.1 |
| 7 30 | 21 15.90 | -15 41.6 | 2.416 | 3.422 | 2.8 | 22.2 | 7 30 | 21 16.26 | -15 39.3 | 1.892 | 2.898 | 3.4 | 20.8 |
| 8 9 | 21 8.30 | -16 19.6 | 2.398 | 3.411 | 0.6 | 22.0 | 8 9 | 21 8.26 | -16 25.1 | 1.878 | 2.892 | 0.7 | 20.6 |
| 8 19 | 21 0.70 | -16 56.4 | 2.408 | 3.400 | 4.0 | 22.2 | 8 19 | 21 0.30 | -17 9.3 | 1.892 | 2.885 | 4.7 | 20.9 |
| 8 29 | 20 53.82 | -17 28.9 | 2.446 | 3.389 | 7.2 | 22.4 | 8 29 | 20 53.29 | -17 47.9 | 1.932 | 2.879 | 8.5 | 21.1 |
| 9 8 | 20 48.29 | -17 55.0 | 2.510 | 3.378 | 10.1 | 22.6 | 9 8 | 20 47.97 | -18 18.1 | 1.997 | 2.873 | 11.9 | 21.3 |
| 66160 | 1998 <i>UC</i> ₃₈ | 8 7.3 223°40 | 4°9/ 3.3 18 | | | | 37587 | 1991 <i>CK</i> ₃ | 8 7.3 159°87 | 2°6/ 4.2 18 | | | |
| 6 30 | 21 36.92 | -27 41.9 | 2.132 | 2.977 | 12.9 | 18.9 | 6 30 | 21 33.78 | -23 28.1 | 3.131 | 3.960 | 9.6 | 20.2 |
| 7 10 | 21 32.47 | -28 42.7 | 2.054 | 2.972 | 10.1 | 18.7 | 7 10 | 21 29.19 | -24 27.9 | 3.055 | 3.967 | 7.4 | 20.1 |
| 7 20 | 21 25.77 | -29 45.1 | 1.998 | 2.966 | 7.3 | 18.5 | 7 20 | 21 23.14 | -25 30.2 | 3.004 | 3.974 | 5.0 | 19.9 |
| 7 30 | 21 17.33 | -30 42.4 | 1.968 | 2.960 | 5.1 | 18.4 | 7 30 | 21 16.01 | -26 31.1 | 2.981 | 3.980 | 3.0 | 19.8 |
| 8 9 | 21 8.00 | -31 28.6 | 1.965 | 2.954 | 5.3 | 18.4 | 8 9 | 21 8.33 | -27 26.5 | 2.988 | 3.986 | 3.0 | 19.8 |
| 8 19 | 20 58.75 | -31 59.1 | 1.989 | 2.947 | 7.7 | 18.5 | 8 19 | 21 0.73 | -28 13.2 | 3.024 | 3.991 | 4.9 | 19.9 |
| 8 29 | 20 50.62 | -32 11.6 | 2.038 | 2.941 | 10.6 | 18.7 | 8 29 | 20 53.81 | -28 48.9 | 3.088 | 3.996 | 7.2 | 20.1 |
| 9 8 | 20 44.43 | -32 6.6 | 2.110 | 2.934 | 13.4 | 18.8 | 9 8 | 20 48.12 | -29 12.9 | 3.178 | 4.000 | 9.4 | 20.2 |
| 473006 | 2015 <i>HQ</i> ₃₈ | 8 7.3 143°92 | 0°8/ 7.9 17 | | | | 121677 | 1999 <i>XN</i> ₅₅ | 8 7.3 214°84 | 1°1/ 6.3 18 | | | |
| 6 30 | 21 35.34 | -10 35.3 | 2.079 | 2.894 | 14.2 | 21.9 | 6 30 | 21 32.97 | -17 56.5 | 2.638 | 3.466 | 11.2 | 20.7 |
| 7 10 | 21 30.97 | -11 13.0 | 2.002 | 2.903 | 11.2 | 21.7 | 7 10 | 21 28.83 | -18 26.2 | 2.549 | 3.461 | 8.7 | 20.5 |
| 7 20 | 21 24.60 | -12 3.5 | 1.947 | 2.912 | 7.6 | 21.5 | 7 20 | 21 23.03 | -19 1.7 | 2.484 | 3.456 | 5.8 | 20.3 |
| 7 30 | 21 16.73 | -13 3.6 | 1.917 | 2.921 | 3.8 | 21.3 | 7 30 | 21 16.00 | -19 39.7 | 2.445 | 3.452 | 2.7 | 20.1 |
| 8 9 | 21 8.14 | -14 8.5 | 1.915 | 2.928 | 0.9 | 21.1 | 8 9 | 21 8.34 | -20 16.8 | 2.435 | 3.446 | 1.4 | 20.0 |
| 8 19 | 20 59.68 | -15 13.0 | 1.942 | 2.936 | 4.6 | 21.4 | 8 19 | 21 0.73 | -20 49.5 | 2.453 | 3.441 | 4.4 | 20.2 |
| 8 29 | 20 52.23 | -16 12.2 | 1.996 | 2.942 | 8.3 | 21.6 | 8 29 | 20 53.89 | -21 15.1 | 2.500 | 3.435 | 7.4 | 20.4 |
| 9 8 | 20 46.52 | -17 2.4 | 2.074 | 2.949 | 11.6 | 21.8 | 9 8 | 20 48.43 | -21 32.2 | 2.571 | 3.429 | 10.2 | 20.6 |
| 443125 | 2014 <i>AS</i> ₅₁ | 8 7.3 119°61 | 8°4/ 5.9 17 | | | | 351888 | 2006 <i>SQ</i> ₂₀₂ | 8 7.3 250°93 | 0°7/ 7.8 18 | R | | |
| 6 30 | 22 3.19 | -34 48.2 | 1.090 | 1.938 | 22.2 | 20.4 | 6 30 | 21 33.50 | -12 29.1 | 2.107 | 2.931 | 13.8 | 21.5 |
| 7 10 | 21 54.80 | -34 45.6 | 1.030 | 1.944 | 18.1 | 20.1 | 7 10 | 21 29.62 | -12 44.1 | 2.020 | 2.927 | 10.8 | 21.3 |
| 7 20 | 21 41.54 | -34 30.6 | 0.988 | 1.951 | 13.5 | 19.9 | 7 20 | 21 23.76 | -13 9.5 | 1.955 | 2.923 | 7.4 | 21.1 |
| 7 30 | 21 24.67 | -33 51.1 | 0.967 | 1.956 | 9.5 | 19.7 | 7 30 | 21 16.40 | -13 42.8 | 1.914 | 2.918 | 3.6 | 20.9 |
| 8 9 | 21 6.54 | -32 39.3 | 0.970 | 1.962 | 8.7 | 19.7 | 8 9 | 21 8.26 | -14 20.4 | 1.901 | 2.914 | 0.8 | 20.7 |
| 8 19 | 20 49.76 | -30 56.1 | 0.997 | 1.967 | 11.8 | 19.9 | 8 19 | 21 0.18 | -14 58.3 | 1.915 | 2.910 | 4.5 | 20.9 |
| 8 29 | 20 36.52 | -28 50.4 | 1.047 | 1.972 | 16.2 | 20.2 | 8 29 | 20 53.04 | -15 32.7 | 1.956 | 2.905 | 8.3 | 21.1 |
| 9 8 | 20 27.91 | -26 33.9 | 1.118 | 1.977 | 20.4 | 20.4 | 9 8 | 20 47.59 | -16 0.6 | 2.022 | 2.901 | 11.7 | 21.4 |
| 131689 | 2001 <i>XT</i> ₂₀₉ | 8 7.3 193°13 | 4°0/ 9.8 18 | | | | 49902 | 1999 <i>XS</i> ₁₆₄ | 8 7.3 147°09 | 3°4/ 4.4 18 | | | |
| 6 30 | 21 37.55 | - 5 2.9 | 1.667 | 2.473 | 17.6 | 20.5 | 6 30 | 21 35.35 | -22 39.9 | 2.096 | 2.940 | 13.1 | 19.3 |
| 7 10 | 21 33.27 | - 4 54.8 | 1.584 | 2.472 | 14.4 | 20.3 | 7 10 | 21 31.14 | -23 43.5 | 2.024 | 2.944 | 10.1 | 19.1 |
| 7 20 | 21 26.48 | - 5 4.3 | 1.519 | 2.470 | 10.6 | 20.0 | 7 20 | 21 24.81 | -24 52.1 | 1.975 | 2.949 | 6.9 | 18.9 |
| 7 30 | 21 17.73 | - 5 31.3 | 1.477 | 2.468 | 6.6 | 19.8 | 7 30 | 21 16.88 | -25 59.6 | 1.952 | 2.953 | 4.0 | 18.8 |
| 8 9 | 21 7.93 | - 6 12.9 | 1.461 | 2.466 | 4.0 | 19.7 | 8 9 | 21 8.16 | -27 0.0 | 1.956 | 2.957 | 3.9 | 18.8 |
| 8 19 | 20 58.19 | - 7 4.5 | 1.470 | 2.462 | 6.0 | 19.8 | 8 19 | 20 59.57 | -27 48.2 | 1.988 | 2.960 | 6.6 | 18.9 |
| 8 29 | 20 49.67 | - 8 0.3 | 1.506 | 2.459 | 10.0 | 20.0 | 8 29 | 20 52.06 | -28 21.1 | 2.045 | 2.964 | 9.8 | 19.2 |
| 9 8 | 20 43.32 | - 8 54.3 | 1.565 | 2.454 | 13.9 | 20.2 | 9 8 | 20 46.39 | -28 37.9 | 2.126 | 2.967 | 12.7 | 19.4 |
| 4148 | McCartney | 8 7.3 122°34 | 0°7/ 6.9 18 | | | | 170660 | 2003 <i>YS</i> ₁₃₇ | 8 7.3 189°80 | 2°5/ 5.1 18 | | | |
| 6 30 | 21 41.43 | -16 56.0 | 1.507 | 2.350 | 17.4 | 16.4 | 6 30 | 21 34.59 | -20 26.9 | 2.284 | 3.122 | 12.4 | 20.6 |
| 7 10 | 21 36.42 | -17 6.5 | 1.440 | 2.359 | 13.6 | 16.1 | 7 10 | 21 30.40 | -21 24.7 | 2.203 | 3.121 | 9.6 | 20.4 |
| 7 20 | 21 28.60 | -17 26.0 | 1.393 | 2.368 | 9.1 | 15.9 | 7 20 | 21 24.25 | -22 28.7 | 2.146 | 3.120 | 6.4 | 20.2 |
| 7 30 | 21 18.66 | -17 50.2 | 1.370 | 2.376 | 4.2 | 15.6 | 7 30 | 21 16.62 | -23 33.9 | 2.114 | 3.118 | 3.4 | 20.0 |
| 8 9 | 21 7.76 | -18 13.7 | 1.372 | 2.385 | 1.3 | 15.5 | 8 9 | 21 8.22 | -24 35.0 | 2.111 | 3.116 | 2.9 | 20.0 |
| 8 19 | 20 57.20 | -18 31.8 | 1.400 | 2.393 | 6.2 | 15.8 | 8 19 | 20 59.87 | -25 26.9 | 2.136 | 3.114 | 5.7 | 20.2 |
| 8 29 | 20 48.27 | -18 41.4 | 1.453 | 2.400 | 10.8 | 16.1 | 8 29 | 20 52.46 | -26 6.4 | 2.187 | 3.112 | 8.9 | 20.4 |
| 9 8 | 20 41.90 | -18 41.1 | 1.529 | 2.407 | 14.8 | 16.4 | 9 8 | 20 46.70 | -26 32.0 | 2.263 | 3.109 | 11.8 | 20.6 |
| 149839 | 2005 <i>OP</i> ₂₇ | 8 7.3 270°64 | 0°4/ 7.6 18 | | | | 42715 | 1998 <i>QE</i> ₄₄ | 8 7.3 326°70 | 2°9/ 5.9 18 | | | |
| 6 30 | 21 34.53 | -14 14.8 | 2.272 | 3.095 | 12.9 | 21.5 | 6 30 | 21 31.03 | -19 44.4 | 0.986 | 1.878 | 20.6 | 18.5 |
| 7 10 | 21 30.35 | -14 20.1 | 2.172 | 3.079 | 10.2 | 21.3 | 7 10 | 21 30.05 | -20 5.3 | 0.909 | 1.857 | 16.3 | 18.1 |
| 7 20 | 21 24.24 | -14 33.3 | 2.095 | 3.064 | 6.9 | 21.1 | 7 20 | 21 25.42 | -20 38.0 | 0.849 | 1.836 | 11.1 | 17.8 |
| 7 30 | 21 16.62 | -14 52.2 | 2.043 | 3.047 | 3.3 | 20.8 | 7 30 | 21 17.63 | -21 16.3 | 0.808 | 1.817 | 5.5 | 17.4 |
| 8 9 | 21 8.17 | -15 14.0 | 2.018 | 3.031 | 0.7 | 20.6 | 8 9 | 21 7.98 | -21 51.4 | 0.787 | 1.798 | 3.5 | 17.2 |
| 8 19 | 20 59.70 | -15 35.3 | 2.021 | 3.015 | 4.5 | 20.8 | 8 19 | 20 58.22 | -22 14.6 | 0.787 | 1.781 | 9.1 | 17.4 |
| 8 29 | 20 52.09 | -15 53.2 | 2.052 | 2.998 | 8.1 | 21.0 | 8 29 | 20 50.37 | -22 20.1 | 0.807 | 1.766 | 15.2 | 17.7 |
| 9 8 | 20 46.07 | -16 5.6 | 2.107 | 2.982 | 11.4 | 21.2 | 9 8 | 20 45.95 | -22 6.1 | 0.843 | 1.752 | 20.6 | 18.0 |
| 186760 | 2004 <i>CS</i> ₉₈ | 8 7.3 137°59 | 1°9/ 6.1 17 | | | | 200218 | 1999 <i>TU</i> ₂₁₁ | 8 7.3 253°53 | 1°8/ 5.9 18 | | | |

EPHEMERIDES

8 7.3

8 7.3

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 476713 | 2008 <i>TX</i> ₁₇₇ | | 8 7.3 315°42 | 7°5/ 1.0 | 18 | | 379762 | 2011 <i>HP</i> ₈ | | 8 7.3 168°29 | 8°3/31.6 | 17 | |
| 6 30 | 21 33.26 | -28 24.2 | 1.542 | 2.411 | 15.7 | 20.3 | 6 30 | 21 39.46 | -34 23.7 | 1.813 | 2.663 | 14.6 | 20.7 |
| 7 10 | 21 30.70 | -30 18.2 | 1.468 | 2.399 | 12.5 | 20.1 | 7 10 | 21 35.08 | -36 2.7 | 1.752 | 2.664 | 11.9 | 20.6 |
| 7 20 | 21 25.22 | -32 17.7 | 1.416 | 2.386 | 9.4 | 19.9 | 7 20 | 21 27.87 | -37 38.6 | 1.714 | 2.666 | 9.5 | 20.4 |
| 7 30 | 21 17.33 | -34 11.8 | 1.388 | 2.375 | 7.6 | 19.7 | 7 30 | 21 18.44 | -39 1.6 | 1.700 | 2.667 | 8.3 | 20.4 |
| 8 9 | 21 8.06 | -35 49.0 | 1.385 | 2.363 | 8.5 | 19.8 | 8 9 | 21 7.90 | -40 3.0 | 1.711 | 2.668 | 9.0 | 20.4 |
| 8 19 | 20 58.75 | -37 0.4 | 1.406 | 2.352 | 11.3 | 19.9 | 8 19 | 20 57.54 | -40 37.5 | 1.746 | 2.668 | 11.1 | 20.5 |
| 8 29 | 20 50.86 | -37 41.4 | 1.449 | 2.341 | 14.7 | 20.1 | 8 29 | 20 48.70 | -40 43.9 | 1.804 | 2.669 | 13.7 | 20.7 |
| 9 8 | 20 45.57 | -37 53.0 | 1.510 | 2.331 | 17.9 | 20.3 | 9 8 | 20 42.40 | -40 25.2 | 1.882 | 2.669 | 16.1 | 20.9 |
| 263511 | 2008 <i>EE</i> ₁₃₆ | | 8 7.3 269°71 | 1°3/ 6.4 | 18 | | 190586 | 2000 <i>SX</i> ₃₅₄ | | 8 7.3 333°56 | 11°7/31.1 | 18 | |
| 6 30 | 21 35.44 | -16 13.1 | 1.566 | 2.415 | 16.5 | 21.4 | 6 30 | 21 35.59 | -37 24.8 | 1.247 | 2.123 | 18.2 | 19.4 |
| 7 10 | 21 31.98 | -16 52.9 | 1.482 | 2.406 | 12.9 | 21.1 | 7 10 | 21 33.50 | -38 53.8 | 1.180 | 2.105 | 15.4 | 19.1 |
| 7 20 | 21 25.83 | -17 45.2 | 1.419 | 2.396 | 8.7 | 20.9 | 7 20 | 21 27.61 | -40 17.0 | 1.132 | 2.087 | 12.9 | 18.9 |
| 7 30 | 21 17.53 | -18 45.0 | 1.380 | 2.387 | 4.0 | 20.6 | 7 30 | 21 18.58 | -41 21.1 | 1.103 | 2.071 | 11.7 | 18.8 |
| 8 9 | 21 8.04 | -19 45.6 | 1.365 | 2.377 | 1.9 | 20.4 | 8 9 | 21 7.85 | -41 54.0 | 1.096 | 2.055 | 12.5 | 18.8 |
| 8 19 | 20 58.56 | -20 40.0 | 1.377 | 2.368 | 6.5 | 20.7 | 8 19 | 20 57.31 | -41 48.9 | 1.108 | 2.041 | 15.0 | 18.9 |
| 8 29 | 20 50.39 | -21 22.7 | 1.413 | 2.358 | 11.2 | 20.9 | 8 29 | 20 48.92 | -41 5.4 | 1.140 | 2.028 | 18.2 | 19.1 |
| 9 8 | 20 44.55 | -21 50.7 | 1.471 | 2.349 | 15.3 | 21.1 | 9 8 | 20 44.03 | -39 49.4 | 1.188 | 2.017 | 21.4 | 19.2 |
| 474358 | 2002 <i>QO</i> ₁₁₁ | | 8 7.3 299°99 | 1°7/ 8.4 | 18 | | 58171 | 1990 <i>SC</i> ₅ | | 8 7.3 319°14 | 1°2/ 6.6 | 18 | |
| 6 30 | 21 34.02 | -11 5.4 | 1.814 | 2.642 | 15.5 | 21.4 | 6 30 | 21 31.51 | -16 11.2 | 1.301 | 2.169 | 18.1 | 19.0 |
| 7 10 | 21 30.43 | -11 0.8 | 1.722 | 2.630 | 12.4 | 21.1 | 7 10 | 21 29.54 | -16 39.8 | 1.214 | 2.148 | 14.3 | 18.7 |
| 7 20 | 21 24.55 | -11 8.0 | 1.651 | 2.617 | 8.7 | 20.9 | 7 20 | 21 24.57 | -17 22.7 | 1.146 | 2.127 | 9.7 | 18.4 |
| 7 30 | 21 16.86 | -11 25.4 | 1.603 | 2.605 | 4.6 | 20.6 | 7 30 | 21 17.11 | -18 15.6 | 1.099 | 2.107 | 4.5 | 18.0 |
| 8 9 | 21 8.19 | -11 50.1 | 1.581 | 2.593 | 1.7 | 20.4 | 8 9 | 21 8.15 | -19 11.2 | 1.075 | 2.087 | 1.9 | 17.8 |
| 8 19 | 20 59.51 | -12 18.3 | 1.585 | 2.581 | 5.2 | 20.6 | 8 19 | 20 59.06 | -20 1.8 | 1.074 | 2.069 | 7.3 | 18.1 |
| 8 29 | 20 51.89 | -12 45.7 | 1.616 | 2.569 | 9.4 | 20.8 | 8 29 | 20 51.40 | -20 40.5 | 1.097 | 2.051 | 12.7 | 18.3 |
| 9 8 | 20 46.22 | -13 9.0 | 1.669 | 2.558 | 13.2 | 21.0 | 9 8 | 20 46.40 | -21 3.5 | 1.139 | 2.034 | 17.5 | 18.5 |
| 509633 | 2008 <i>FG</i> ₁₂₄ | | 8 7.3 80°97 | 0°5/ 7.8 | 18 | | 93676 | 2000 <i>VX</i> ₅ | | 8 7.3 180°66 | 7°1/ 1.9 | 18 | |
| 6 30 | 21 32.47 | -12 4.7 | 2.259 | 3.080 | 13.1 | 21.6 | 6 30 | 21 41.61 | -34 21.8 | 2.077 | 2.916 | 13.4 | 19.7 |
| 7 10 | 21 28.56 | -12 32.1 | 2.188 | 3.093 | 10.2 | 21.4 | 7 10 | 21 36.29 | -35 30.0 | 2.010 | 2.917 | 10.9 | 19.5 |
| 7 20 | 21 22.89 | -13 9.5 | 2.139 | 3.106 | 6.9 | 21.2 | 7 20 | 21 28.42 | -36 34.3 | 1.966 | 2.917 | 8.6 | 19.4 |
| 7 30 | 21 15.94 | -13 54.2 | 2.115 | 3.120 | 3.3 | 21.0 | 7 30 | 21 18.62 | -37 27.0 | 1.947 | 2.917 | 7.1 | 19.3 |
| 8 9 | 21 8.40 | -14 42.2 | 2.119 | 3.133 | 0.7 | 20.8 | 8 9 | 21 7.88 | -38 1.4 | 1.953 | 2.917 | 7.6 | 19.3 |
| 8 19 | 21 1.03 | -15 29.4 | 2.152 | 3.146 | 4.2 | 21.1 | 8 19 | 20 57.38 | -38 13.6 | 1.986 | 2.916 | 9.5 | 19.4 |
| 8 29 | 20 54.59 | -16 12.1 | 2.211 | 3.159 | 7.6 | 21.4 | 8 29 | 20 48.27 | -38 3.2 | 2.043 | 2.915 | 12.0 | 19.6 |
| 9 8 | 20 49.69 | -16 47.6 | 2.296 | 3.172 | 10.6 | 21.6 | 9 8 | 20 41.44 | -37 32.5 | 2.121 | 2.913 | 14.4 | 19.8 |
| 71255 | 2000 <i>AU</i> ₁₆ | | 8 7.3 237°98 | 6°1/ 1.6 | 18 | | 65459 | 2002 <i>WV</i> ₇ | | 8 7.3 17°86 | 0°3/ 7.5 | 18 | |
| 6 30 | 21 35.54 | -28 20.7 | 1.980 | 2.832 | 13.5 | 18.9 | 6 30 | 21 34.00 | -13 48.1 | 1.923 | 2.756 | 14.6 | 19.9 |
| 7 10 | 21 31.74 | -30 2.4 | 1.906 | 2.827 | 10.7 | 18.7 | 7 10 | 21 30.17 | -14 2.2 | 1.844 | 2.756 | 11.4 | 19.7 |
| 7 20 | 21 25.50 | -31 47.3 | 1.855 | 2.821 | 7.9 | 18.6 | 7 20 | 21 24.22 | -14 26.4 | 1.786 | 2.757 | 7.7 | 19.5 |
| 7 30 | 21 17.33 | -33 26.8 | 1.830 | 2.816 | 6.2 | 18.4 | 7 30 | 21 16.66 | -14 57.8 | 1.753 | 2.758 | 3.7 | 19.3 |
| 8 9 | 21 8.09 | -34 52.5 | 1.832 | 2.810 | 6.8 | 18.5 | 8 9 | 21 8.30 | -15 32.3 | 1.746 | 2.759 | 0.7 | 19.0 |
| 8 19 | 20 58.85 | -35 57.9 | 1.860 | 2.804 | 9.2 | 18.6 | 8 19 | 21 0.06 | -16 5.7 | 1.766 | 2.760 | 4.9 | 19.4 |
| 8 29 | 20 50.75 | -36 39.4 | 1.913 | 2.798 | 12.1 | 18.8 | 8 29 | 20 52.92 | -16 34.3 | 1.812 | 2.762 | 8.8 | 19.6 |
| 9 8 | 20 44.73 | -36 57.6 | 1.987 | 2.791 | 14.8 | 18.9 | 9 8 | 20 47.62 | -16 55.3 | 1.882 | 2.763 | 12.3 | 19.8 |
| 479547 | 2014 <i>BZ</i> ₅₄ | | 8 7.3 252°49 | 0°7/ 6.9 | 18 | | 186804 | 2004 <i>EU</i> ₅₉ | | 8 7.3 55°94 | 4°2/ 9.7 | 18 | |
| 6 30 | 21 40.23 | -17 57.3 | 2.041 | 2.868 | 14.0 | 22.3 | 6 30 | 21 36.37 | - 6 25.1 | 1.460 | 2.283 | 18.8 | 19.9 |
| 7 10 | 21 35.10 | -17 59.4 | 1.940 | 2.850 | 11.0 | 22.1 | 7 10 | 21 32.48 | - 5 59.7 | 1.395 | 2.294 | 15.2 | 19.7 |
| 7 20 | 21 27.63 | -18 7.1 | 1.861 | 2.832 | 7.5 | 21.8 | 7 20 | 21 25.97 | - 5 51.7 | 1.348 | 2.305 | 11.1 | 19.5 |
| 7 30 | 21 18.29 | -18 17.5 | 1.808 | 2.814 | 3.5 | 21.6 | 7 30 | 21 17.51 | - 6 0.8 | 1.323 | 2.316 | 6.9 | 19.2 |
| 8 9 | 21 7.90 | -18 26.7 | 1.782 | 2.795 | 1.2 | 21.4 | 8 9 | 21 8.14 | - 6 24.3 | 1.322 | 2.328 | 4.2 | 19.1 |
| 8 19 | 20 57.49 | -18 31.7 | 1.784 | 2.775 | 5.3 | 21.6 | 8 19 | 20 59.05 | - 6 57.9 | 1.346 | 2.339 | 6.3 | 19.3 |
| 8 29 | 20 48.12 | -18 29.9 | 1.814 | 2.755 | 9.4 | 21.8 | 8 29 | 20 51.44 | - 7 36.1 | 1.395 | 2.351 | 10.3 | 19.5 |
| 9 8 | 20 40.70 | -18 20.3 | 1.867 | 2.734 | 13.0 | 22.0 | 9 8 | 20 46.18 | - 8 13.4 | 1.466 | 2.363 | 14.1 | 19.8 |
| 419760 | 2010 <i>VA</i> ₁₁₂ | | 8 7.3 263°52 | 5°0/10.3 | 18 | | 386333 | 2008 <i>SB</i> ₂₀₁ | | 8 7.3 295°01 | 0°4/ 7.5 | 18 | |
| 6 30 | 21 35.06 | - 3 38.1 | 1.573 | 2.382 | 18.3 | 21.1 | 6 30 | 21 34.79 | -14 1.9 | 1.692 | 2.532 | 15.9 | 21.2 |
| 7 10 | 21 31.55 | - 3 17.4 | 1.486 | 2.374 | 15.1 | 20.9 | 7 10 | 21 31.27 | -14 10.5 | 1.601 | 2.518 | 12.6 | 21.0 |
| 7 20 | 21 25.48 | - 3 15.7 | 1.418 | 2.366 | 11.4 | 20.6 | 7 20 | 21 25.26 | -14 30.3 | 1.531 | 2.504 | 8.6 | 20.7 |
| 7 30 | 21 17.36 | - 3 33.6 | 1.371 | 2.358 | 7.6 | 20.4 | 7 30 | 21 17.27 | -14 58.5 | 1.484 | 2.490 | 4.1 | 20.4 |
| 8 9 | 21 8.09 | - 4 9.5 | 1.348 | 2.349 | 5.1 | 20.2 | 8 9 | 21 8.17 | -15 30.8 | 1.463 | 2.477 | 0.8 | 20.1 |
| 8 19 | 20 58.80 | - 4 59.2 | 1.350 | 2.341 | 6.7 | 20.3 | 8 19 | 20 59.05 | -16 2.6 | 1.468 | 2.463 | 5.6 | 20.4 |
| 8 29 | 20 50.72 | - 5 56.6 | 1.378 | 2.332 | 10.5 | 20.5 | 8 29 | 20 51.10 | -16 29.3 | 1.498 | 2.450 | 10.1 | 20.7 |
| 9 8 | 20 44.85 | - 6 54.9 | 1.427 | 2.324 | 14.5 | 20.7 | 9 8 | 20 45.28 | -16 47.8 | 1.551 | 2.437 | 14.2 | 20.9 |
| 273487 | 2006 <i>YT</i> ₅₁ | | 8 7.3 260°39 | 1°0/ 6.7 | 18 | | 164052 | 2003 <i>VC</i> ₅ | | 8 7.3 9°99 | 1°8/ 8.4 | 18 | |
| 6 30 | 21 37.36 | -16 47.6 | 1.762 | 2.602 | 15.4 | 21.6 | 6 30 | 21 30.99 | -10 31.8 | 1.402 | 2.251 | 18.1 | 19.2 |
| 7 10 | 21 33.25 | -17 10.3 | 1.669 | 2.586 | 12.1 | 21.3 | 7 10 | 21 28.51 | -10 37.7 | 1.334 | 2.253 | 14.4 | 19.0 |
| 7 20 | 21 26.59 | -17 42.7 | 1.596 | 2.570 | 8.2 | 21.0 | 7 20 | 21 23.44 | -10 59.8 | 1.284 | 2.256 | 10.0 | 18.8 |
| 7 30 | 21 17.87 | -18 20.7 | 1.547 | 2.554 | 3.8 | 20.7 | 7 30 | 21 16.39 | -11 35.7 | 1.256 | 2.260 | 5.2 | 18.5 |
| 8 9 | 21 7.99 | -18 59.2 | 1.524 | 2.537 | 1.5 | 20.5 | 8 9 | 21 8.37 | -12 20.4 | 1.252 | 2.265 | 1.8 | 18.3 |
| 8 19 | 20 58.04 | -19 33.0 | 1.529 | 2.520 | 6.0 | 20.8 | 8 19 | 21 0.54 | -13 8.1 | 1.273 | 2.271 | 5.7 | 18.6 |
| 8 29 | 20 49.26 | -19 57.8 | 1.559 | 2.503 | 10.4 | 21.0 | 8 29 | 20 54.11 | -13 52.7 | 1.317 | 2.277 | 10.4 | 18.8 |
| 9 8 | 20 42.63 | -20 11.3 | 1.611 | 2.485 | 14.4 | 21.2 | 9 8 | 20 50.00 | -14 29.5 | 1.383 | 2.285 | 14.5 | 19.1 |
| 334038 | 2001 <i>CK</i> ₂₀ | | 8 7.3 291°64 | 4°8/ 4.5 | 18 | | 339435 | 2005 <i>EN</i> ₉₃ | | 8 | | | |

EPHEMERIDES

8 7.3

8 7.3

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|---------------|----------|---------|------|---------------|-------------------------------|-----------------|---------------|-----------|---------|------|
| 326293 | 1998 <i>MH</i> ₆ | | 8 7.3 32°00' | 2.6/ 8.5 | 17 | | 413414 | 2004 <i>TT</i> ₁₉₂ | | 8 7.3 259°60' | 2.5/ 5.9 | 17 | |
| 6 30 | 21 37.33 | -11 19.1 | 1.275 | 2.123 | 19.6 | 20.5 | 6 30 | 21 38.37 | -19 20.9 | 1.385 | 2.243 | 17.8 | 21.2 |
| 7 10 | 21 33.62 | -10 49.6 | 1.213 | 2.130 | 15.6 | 20.2 | 7 10 | 21 34.62 | -19 57.1 | 1.310 | 2.239 | 13.9 | 20.9 |
| 7 20 | 21 26.94 | -10 34.0 | 1.168 | 2.138 | 11.0 | 20.0 | 7 20 | 21 27.80 | -20 43.2 | 1.255 | 2.234 | 9.4 | 20.7 |
| 7 30 | 21 18.01 | -10 31.2 | 1.144 | 2.146 | 5.9 | 19.7 | 7 30 | 21 18.54 | -21 32.9 | 1.222 | 2.229 | 4.6 | 20.4 |
| 8 9 | 21 8.06 | -10 38.1 | 1.144 | 2.155 | 2.6 | 19.5 | 8 9 | 21 7.99 | -22 18.5 | 1.214 | 2.224 | 3.1 | 20.3 |
| 8 19 | 20 58.45 | -10 50.7 | 1.168 | 2.165 | 6.3 | 19.8 | 8 19 | 20 57.58 | -22 53.3 | 1.230 | 2.219 | 7.5 | 20.5 |
| 8 29 | 20 50.56 | -11 4.5 | 1.215 | 2.174 | 11.2 | 20.1 | 8 29 | 20 48.78 | -23 12.7 | 1.271 | 2.214 | 12.4 | 20.8 |
| 9 8 | 20 45.36 | -11 15.7 | 1.284 | 2.185 | 15.5 | 20.4 | 9 8 | 20 42.72 | -23 15.7 | 1.332 | 2.209 | 16.6 | 21.0 |
| 435714 | 2008 <i>UZ</i> ₂₆ | | 8 7.3 107°17' | 5.2/ 3.7 | 16 | | 139636 | 2001 <i>QH</i> ₁₅₉ | | 8 7.3 301°70' | 0.5/ 7.7 | 18 | |
| 6 30 | 21 38.22 | -27 31.6 | 1.837 | 2.688 | 14.4 | 21.6 | 6 30 | 21 32.57 | -12 28.9 | 1.949 | 2.780 | 14.5 | 19.6 |
| 7 10 | 21 33.73 | -28 30.4 | 1.773 | 2.694 | 11.3 | 21.4 | 7 10 | 21 29.14 | -12 52.5 | 1.862 | 2.773 | 11.4 | 19.4 |
| 7 20 | 21 26.72 | -29 30.1 | 1.730 | 2.700 | 8.1 | 21.2 | 7 20 | 21 23.60 | -13 27.9 | 1.797 | 2.767 | 7.8 | 19.1 |
| 7 30 | 21 17.85 | -30 23.6 | 1.712 | 2.705 | 5.6 | 21.1 | 7 30 | 21 16.45 | -14 12.4 | 1.756 | 2.761 | 3.8 | 18.9 |
| 8 9 | 21 8.09 | -31 4.1 | 1.720 | 2.711 | 5.7 | 21.1 | 8 9 | 21 8.43 | -15 1.5 | 1.742 | 2.755 | 0.8 | 18.6 |
| 8 19 | 20 58.59 | -31 27.1 | 1.754 | 2.716 | 8.2 | 21.3 | 8 19 | 21 0.46 | -15 50.5 | 1.754 | 2.749 | 4.8 | 18.9 |
| 8 29 | 20 50.48 | -31 30.8 | 1.812 | 2.721 | 11.4 | 21.5 | 8 29 | 20 53.48 | -16 34.7 | 1.793 | 2.743 | 8.8 | 19.2 |
| 9 8 | 20 44.61 | -31 16.5 | 1.893 | 2.727 | 14.3 | 21.7 | 9 8 | 20 48.28 | -17 10.7 | 1.856 | 2.738 | 12.4 | 19.4 |
| 216768 | 2005 <i>UL</i> ₁₉₉ | | 8 7.3 73°85' | 0.5/ 7.7 | 18 | | 144685 | 2004 <i>FE</i> ₁₄₄ | | 8 7.3 164°54' | 0.7/ 6.9 | 18 | |
| 6 30 | 21 33.18 | -12 54.4 | 2.178 | 3.003 | 13.4 | 20.7 | 6 30 | 21 39.09 | -18 23.3 | 2.247 | 3.072 | 13.0 | 20.0 |
| 7 10 | 21 29.19 | -13 13.0 | 2.106 | 3.014 | 10.4 | 20.5 | 7 10 | 21 33.77 | -18 20.7 | 2.165 | 3.074 | 10.1 | 19.8 |
| 7 20 | 21 23.37 | -13 41.2 | 2.057 | 3.025 | 7.1 | 20.3 | 7 20 | 21 26.46 | -18 22.5 | 2.106 | 3.077 | 6.8 | 19.6 |
| 7 30 | 21 16.21 | -14 16.1 | 2.032 | 3.036 | 3.4 | 20.1 | 7 30 | 21 17.68 | -18 25.8 | 2.073 | 3.078 | 3.1 | 19.3 |
| 8 9 | 21 8.43 | -14 54.1 | 2.034 | 3.048 | 0.7 | 19.9 | 8 9 | 21 8.21 | -18 27.8 | 2.067 | 3.080 | 1.1 | 19.2 |
| 8 19 | 21 0.83 | -15 31.3 | 2.065 | 3.059 | 4.3 | 20.2 | 8 19 | 20 58.92 | -18 26.1 | 2.091 | 3.082 | 4.7 | 19.4 |
| 8 29 | 20 54.21 | -16 4.3 | 2.122 | 3.071 | 7.8 | 20.4 | 8 29 | 20 50.69 | -18 18.9 | 2.142 | 3.083 | 8.2 | 19.7 |
| 9 8 | 20 49.19 | -16 30.6 | 2.205 | 3.082 | 10.9 | 20.6 | 9 8 | 20 44.22 | -18 5.6 | 2.218 | 3.084 | 11.3 | 19.9 |
| 49931 | 1999 <i>XL</i> ₁₇₇ | | 8 7.3 220°58' | 0.8/ 6.8 | 18 | | 15048 | 1998 <i>XQ</i> ₆₃ | | 8 7.3 265°98' | 1.3/ 6.7 | 18 | |
| 6 30 | 21 38.22 | -16 40.5 | 1.650 | 2.492 | 16.2 | 19.3 | 6 30 | 21 39.90 | -18 58.8 | 1.666 | 2.509 | 16.0 | 18.4 |
| 7 10 | 21 33.92 | -16 57.4 | 1.570 | 2.489 | 12.7 | 19.1 | 7 10 | 21 35.33 | -19 2.8 | 1.578 | 2.498 | 12.6 | 18.1 |
| 7 20 | 21 26.99 | -17 23.5 | 1.511 | 2.486 | 8.5 | 18.9 | 7 20 | 21 28.04 | -19 13.1 | 1.512 | 2.487 | 8.5 | 17.9 |
| 7 30 | 21 18.04 | -17 55.0 | 1.475 | 2.482 | 3.9 | 18.6 | 7 30 | 21 18.60 | -19 25.8 | 1.469 | 2.475 | 4.0 | 17.6 |
| 8 9 | 21 8.04 | -18 26.5 | 1.466 | 2.479 | 1.3 | 18.4 | 8 9 | 21 8.01 | -19 36.1 | 1.452 | 2.464 | 1.7 | 17.4 |
| 8 19 | 20 58.17 | -18 53.3 | 1.482 | 2.475 | 6.0 | 18.7 | 8 19 | 20 57.48 | -19 40.1 | 1.461 | 2.452 | 6.2 | 17.7 |
| 8 29 | 20 49.65 | -19 11.4 | 1.525 | 2.471 | 10.4 | 18.9 | 8 29 | 20 48.31 | -19 35.3 | 1.496 | 2.441 | 10.7 | 17.9 |
| 9 8 | 20 43.41 | -19 19.1 | 1.589 | 2.467 | 14.4 | 19.2 | 9 8 | 20 41.50 | -19 20.7 | 1.553 | 2.429 | 14.7 | 18.1 |
| 353532 | 2011 <i>SC</i> ₁₅₆ | | 8 7.3 266°97' | 3.4/ 4.8 | 18 | | 72826 | 2001 <i>HD</i> ₇ | | 8 7.3 188°92' | 7.3/ 15.9 | 18 | |
| 6 30 | 21 36.01 | -23 54.7 | 2.026 | 2.872 | 13.4 | 21.3 | 6 30 | 21 30.72 | +12 51.3 | 3.081 | 3.748 | 13.0 | 20.2 |
| 7 10 | 21 31.81 | -24 35.1 | 1.946 | 2.867 | 10.5 | 21.1 | 7 10 | 21 26.88 | +13 18.0 | 2.985 | 3.747 | 11.6 | 20.1 |
| 7 20 | 21 25.38 | -25 19.0 | 1.888 | 2.862 | 7.2 | 20.9 | 7 20 | 21 21.66 | +13 28.0 | 2.908 | 3.745 | 10.0 | 19.9 |
| 7 30 | 21 17.24 | -26 1.0 | 1.855 | 2.856 | 4.2 | 20.7 | 7 30 | 21 15.43 | +13 19.3 | 2.853 | 3.744 | 8.5 | 19.8 |
| 8 9 | 21 8.23 | -26 35.7 | 1.849 | 2.851 | 3.9 | 20.7 | 8 9 | 21 8.67 | +12 51.9 | 2.821 | 3.742 | 7.5 | 19.8 |
| 8 19 | 20 59.33 | -26 58.6 | 1.869 | 2.845 | 6.7 | 20.8 | 8 19 | 21 1.92 | +12 6.9 | 2.816 | 3.740 | 7.3 | 19.7 |
| 8 29 | 20 51.55 | -27 7.4 | 1.916 | 2.839 | 10.0 | 21.0 | 8 29 | 20 55.76 | +11 7.4 | 2.837 | 3.737 | 8.1 | 19.8 |
| 9 8 | 20 45.71 | -27 1.8 | 1.985 | 2.834 | 13.1 | 21.2 | 9 8 | 20 50.70 | +9 57.5 | 2.883 | 3.734 | 9.4 | 19.9 |
| 86074 | 1999 <i>RA</i> ₅₇ | | 8 7.3 152°92' | 0.2/ 7.1 | 18 | | 182799 | 2002 <i>AN</i> ₇₂ | | 8 7.3 241°45' | 3.5/ 4.2 | 18 | |
| 6 30 | 21 35.69 | -16 26.4 | 2.355 | 3.179 | 12.5 | 19.2 | 6 30 | 21 33.70 | -23 19.9 | 2.220 | 3.065 | 12.4 | 20.2 |
| 7 10 | 21 31.05 | -16 31.4 | 2.273 | 3.182 | 9.7 | 19.0 | 7 10 | 21 29.87 | -24 22.5 | 2.140 | 3.061 | 9.7 | 20.0 |
| 7 20 | 21 24.59 | -16 42.2 | 2.213 | 3.184 | 6.5 | 18.8 | 7 20 | 21 24.02 | -25 29.7 | 2.084 | 3.057 | 6.6 | 19.8 |
| 7 30 | 21 16.78 | -16 56.4 | 2.180 | 3.186 | 3.0 | 18.6 | 7 30 | 21 16.63 | -26 36.0 | 2.054 | 3.054 | 4.0 | 19.7 |
| 8 9 | 21 8.34 | -17 11.0 | 2.175 | 3.188 | 0.7 | 18.4 | 8 9 | 21 8.44 | -27 35.5 | 2.051 | 3.050 | 3.9 | 19.6 |
| 8 19 | 21 0.03 | -17 23.3 | 2.198 | 3.190 | 4.3 | 18.7 | 8 19 | 21 0.29 | -28 23.3 | 2.075 | 3.046 | 6.5 | 19.8 |
| 8 29 | 20 52.65 | -17 30.9 | 2.248 | 3.192 | 7.7 | 18.9 | 8 29 | 20 53.11 | -28 56.3 | 2.126 | 3.042 | 9.6 | 20.0 |
| 9 8 | 20 46.87 | -17 32.5 | 2.324 | 3.193 | 10.7 | 19.1 | 9 8 | 20 47.64 | -29 13.7 | 2.199 | 3.038 | 12.4 | 20.2 |
| 299903 | 2006 <i>SJ</i> ₃₇₅ | | 8 7.3 357°79' | 1.5/ 6.2 | 18 | | 319312 | 2006 <i>BD</i> ₁₄₉ | | 8 7.3 260°90' | 4.4/ 10.2 | 18 | |
| 6 30 | 21 33.49 | -17 49.0 | 1.848 | 2.694 | 14.5 | 20.5 | 6 30 | 21 34.93 | -3 55.8 | 1.926 | 2.722 | 15.9 | 20.9 |
| 7 10 | 21 29.94 | -18 23.1 | 1.772 | 2.693 | 11.3 | 20.3 | 7 10 | 21 31.09 | -3 40.3 | 1.826 | 2.706 | 13.2 | 20.6 |
| 7 20 | 21 24.16 | -19 5.5 | 1.716 | 2.693 | 7.5 | 20.1 | 7 20 | 21 25.03 | -3 40.5 | 1.745 | 2.689 | 9.9 | 20.4 |
| 7 30 | 21 16.69 | -19 52.0 | 1.686 | 2.692 | 3.5 | 19.8 | 7 30 | 21 17.19 | -3 56.9 | 1.687 | 2.673 | 6.6 | 20.2 |
| 8 9 | 21 8.36 | -20 36.9 | 1.681 | 2.692 | 1.9 | 19.7 | 8 9 | 21 8.31 | -4 28.0 | 1.655 | 2.656 | 4.4 | 20.0 |
| 8 19 | 21 0.15 | -21 15.5 | 1.703 | 2.692 | 5.7 | 20.0 | 8 19 | 20 59.33 | -5 10.6 | 1.649 | 2.638 | 5.9 | 20.1 |
| 8 29 | 20 53.09 | -21 43.9 | 1.751 | 2.693 | 9.6 | 20.2 | 8 29 | 20 51.27 | -6 0.0 | 1.670 | 2.621 | 9.3 | 20.2 |
| 9 8 | 20 47.98 | -22 0.1 | 1.821 | 2.693 | 13.1 | 20.4 | 9 8 | 20 45.02 | -6 50.8 | 1.714 | 2.603 | 12.9 | 20.4 |
| 23322 | Duyingsewa | | 8 7.3 257°56' | 0.6/ 7.8 | 18 | | 342361 | 2008 <i>TW</i> ₁₈₃ | | 8 7.3 340°01' | 1.8/ 6.2 | 18 | |
| 6 30 | 21 34.66 | -12 8.3 | 2.026 | 2.850 | 14.3 | 20.3 | 6 30 | 21 34.60 | -18 24.0 | 1.586 | 2.440 | 16.1 | 20.8 |
| 7 10 | 21 30.79 | -12 32.9 | 1.927 | 2.833 | 11.3 | 20.1 | 7 10 | 21 31.24 | -18 53.3 | 1.510 | 2.436 | 12.6 | 20.6 |
| 7 20 | 21 24.77 | -13 9.6 | 1.849 | 2.817 | 7.8 | 19.8 | 7 20 | 21 25.28 | -19 31.4 | 1.454 | 2.432 | 8.4 | 20.3 |
| 7 30 | 21 17.02 | -13 55.9 | 1.795 | 2.800 | 3.8 | 19.6 | 7 30 | 21 17.31 | -20 13.7 | 1.422 | 2.429 | 4.0 | 20.1 |
| 8 9 | 21 8.29 | -14 47.6 | 1.769 | 2.782 | 0.8 | 19.3 | 8 9 | 21 8.31 | -20 53.9 | 1.414 | 2.425 | 2.2 | 19.9 |
| 8 19 | 20 59.47 | -15 39.8 | 1.770 | 2.765 | 4.9 | 19.6 | 8 19 | 20 59.44 | -21 26.5 | 1.432 | 2.423 | 6.4 | 20.2 |
| 8 29 | 20 51.56 | -16 27.7 | 1.799 | 2.747 | 9.0 | 19.8 | 8 29 | 20 51.92 | -21 47.5 | 1.475 | 2.420 | 10.8 | 20.4 |
| 9 8 | 20 45.42 | -17 7.6 | 1.851 | 2.728 | 12.6 | 20.0 | 9 8 | 20 46.68 | -21 55.3 | 1.540 | 2.418 | 14.7 | 20.7 |
| 181259 | 2005 <i>VH</i> ₉ | | 8 7.3 345°15' | 0.2/ 7.5 | 18 | | 299190 | 2005 <i>GB</i> ₁₃₄ | | 8 7.3 349°92' | 6.3/ 11.7 | | |

EPHEMERIDES

8 7.3

8 7.4

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|---------------|-----------|---------|------|---------------|-------------------------------|-----------------|---------------|-----------|---------|------|
| 184863 | 2005 <i>UQ</i> ₈₉ | | 8 7.3 14°21' | 4.7/ 4.0 | 18 | | 253506 | 2003 <i>SQ</i> ₁₃₈ | | 8 7.3 310°48' | 1.7/ 6.6 | 18 | |
| 6 30 | 21 37.00 | -28 22.7 | 2.061 | 2.908 | 13.2 | 19.9 | 6 30 | 21 37.15 | -19 9.1 | 1.278 | 2.144 | 18.6 | 20.2 |
| 7 10 | 21 32.53 | -29 1.1 | 1.990 | 2.909 | 10.4 | 19.7 | 7 10 | 21 34.07 | -19 13.8 | 1.195 | 2.126 | 14.7 | 19.9 |
| 7 20 | 21 25.82 | -29 39.0 | 1.942 | 2.910 | 7.4 | 19.5 | 7 20 | 21 27.72 | -19 26.8 | 1.129 | 2.109 | 10.0 | 19.6 |
| 7 30 | 21 17.45 | -30 10.7 | 1.918 | 2.912 | 5.1 | 19.4 | 7 30 | 21 18.67 | -19 43.4 | 1.085 | 2.093 | 4.7 | 19.3 |
| 8 9 | 21 8.30 | -30 30.9 | 1.921 | 2.913 | 5.1 | 19.4 | 8 9 | 21 8.07 | -19 57.5 | 1.064 | 2.076 | 2.2 | 19.1 |
| 8 19 | 20 59.38 | -30 36.2 | 1.951 | 2.915 | 7.4 | 19.5 | 8 19 | 20 57.45 | -20 3.8 | 1.067 | 2.060 | 7.5 | 19.3 |
| 8 29 | 20 51.68 | -30 25.5 | 2.005 | 2.916 | 10.3 | 19.7 | 8 29 | 20 48.46 | -19 58.5 | 1.093 | 2.045 | 12.9 | 19.6 |
| 9 8 | 20 45.98 | -29 59.9 | 2.083 | 2.918 | 13.1 | 19.9 | 9 8 | 20 42.38 | -19 40.8 | 1.138 | 2.031 | 17.7 | 19.8 |
| 221046 | 2005 <i>QV</i> ₉₄ | | 8 7.3 229°30' | 2.1/ 6.1 | 18 | | 139305 | 2001 <i>KS</i> ₁₇ | | 8 7.3 74°76' | 4.5/ 10.8 | 18 | |
| 6 30 | 21 39.75 | -20 25.2 | 1.709 | 2.553 | 15.6 | 20.2 | 6 30 | 21 33.93 | -1 35.3 | 1.502 | 2.308 | 19.1 | 19.3 |
| 7 10 | 21 35.09 | -20 43.9 | 1.629 | 2.549 | 12.2 | 19.9 | 7 10 | 21 30.57 | -1 56.3 | 1.436 | 2.323 | 15.7 | 19.1 |
| 7 20 | 21 27.79 | -21 8.4 | 1.569 | 2.544 | 8.2 | 19.7 | 7 20 | 21 24.73 | -2 41.7 | 1.389 | 2.337 | 11.7 | 18.9 |
| 7 30 | 21 18.46 | -21 33.9 | 1.534 | 2.539 | 4.0 | 19.4 | 7 30 | 21 17.03 | -3 50.1 | 1.363 | 2.351 | 7.5 | 18.7 |
| 8 9 | 21 8.09 | -21 55.0 | 1.524 | 2.534 | 2.5 | 19.3 | 8 9 | 21 8.45 | -5 16.4 | 1.362 | 2.365 | 4.6 | 18.5 |
| 8 19 | 20 57.86 | -22 7.3 | 1.542 | 2.529 | 6.4 | 19.5 | 8 19 | 21 0.09 | -6 52.9 | 1.386 | 2.380 | 6.1 | 18.7 |
| 8 29 | 20 49.01 | -22 8.2 | 1.585 | 2.524 | 10.6 | 19.8 | 8 29 | 20 53.10 | -8 30.8 | 1.436 | 2.394 | 9.9 | 18.9 |
| 9 8 | 20 42.46 | -21 57.3 | 1.650 | 2.518 | 14.4 | 20.0 | 9 8 | 20 48.31 | -10 2.0 | 1.509 | 2.408 | 13.7 | 19.2 |
| 450949 | 2008 <i>GG</i> ₁₃₈ | | 8 7.3 339°49' | 9.3/ 16.9 | 17 | | 342031 | 2008 <i>RA</i> ₁₀₈ | | 8 7.3 283°94' | 3.2/ 5.8 | 18 | R |
| 6 30 | 21 28.87 | +13 17.3 | 2.151 | 2.851 | 17.1 | 21.4 | 6 30 | 21 42.15 | -24 23.4 | 1.763 | 2.607 | 15.2 | 20.3 |
| 7 10 | 21 26.09 | +13 41.7 | 2.061 | 2.846 | 15.3 | 21.3 | 7 10 | 21 37.07 | -24 28.5 | 1.671 | 2.590 | 12.0 | 20.0 |
| 7 20 | 21 21.49 | +13 41.9 | 1.987 | 2.842 | 13.3 | 21.1 | 7 20 | 21 29.23 | -24 34.8 | 1.601 | 2.574 | 8.3 | 19.7 |
| 7 30 | 21 15.47 | +13 14.8 | 1.932 | 2.838 | 11.3 | 21.0 | 7 30 | 21 19.20 | -24 37.2 | 1.554 | 2.557 | 4.5 | 19.5 |
| 8 9 | 21 8.69 | +12 20.1 | 1.900 | 2.834 | 9.8 | 20.9 | 8 9 | 21 8.00 | -24 30.8 | 1.534 | 2.540 | 3.5 | 19.4 |
| 8 19 | 21 1.93 | +11 0.0 | 1.891 | 2.830 | 9.4 | 20.9 | 8 19 | 20 56.87 | -24 12.3 | 1.541 | 2.524 | 7.0 | 19.6 |
| 8 29 | 20 55.99 | + 9 19.9 | 1.908 | 2.827 | 10.3 | 20.9 | 8 29 | 20 47.13 | -23 40.7 | 1.573 | 2.507 | 11.1 | 19.8 |
| 9 8 | 20 51.59 | + 7 27.5 | 1.948 | 2.825 | 12.2 | 21.0 | 9 8 | 20 39.78 | -22 57.1 | 1.628 | 2.490 | 14.9 | 20.0 |
| 68317 | 2001 <i>FB</i> ₁₅₁ | | 8 7.3 215°52' | 3.3/ 5.2 | 18 | | 209394 | 2004 <i>EZ</i> ₆₃ | | 8 7.3 99°04' | 0.7/ 7.9 | 18 | |
| 6 30 | 21 40.47 | -24 59.2 | 2.139 | 2.975 | 13.2 | 19.1 | 6 30 | 21 34.61 | -12 14.4 | 2.151 | 2.971 | 13.6 | 21.1 |
| 7 10 | 21 35.14 | -25 21.9 | 2.055 | 2.970 | 10.3 | 18.9 | 7 10 | 21 30.34 | -12 31.5 | 2.079 | 2.984 | 10.7 | 20.9 |
| 7 20 | 21 27.56 | -25 45.9 | 1.994 | 2.965 | 7.1 | 18.7 | 7 20 | 21 24.19 | -12 58.6 | 2.029 | 2.996 | 7.3 | 20.8 |
| 7 30 | 21 18.27 | -26 6.4 | 1.959 | 2.959 | 4.1 | 18.5 | 7 30 | 21 16.68 | -13 33.0 | 2.004 | 3.008 | 3.6 | 20.5 |
| 8 9 | 21 8.14 | -26 18.8 | 1.951 | 2.953 | 3.6 | 18.4 | 8 9 | 21 8.52 | -14 11.1 | 2.007 | 3.020 | 0.8 | 20.4 |
| 8 19 | 20 58.17 | -26 19.8 | 1.970 | 2.946 | 6.4 | 18.6 | 8 19 | 21 0.55 | -14 49.0 | 2.037 | 3.032 | 4.3 | 20.6 |
| 8 29 | 20 49.35 | -26 8.0 | 2.017 | 2.940 | 9.7 | 18.8 | 8 29 | 20 53.58 | -15 23.1 | 2.095 | 3.043 | 7.9 | 20.9 |
| 9 8 | 20 42.51 | -25 44.1 | 2.087 | 2.933 | 12.7 | 19.0 | 9 8 | 20 48.27 | -15 50.8 | 2.177 | 3.055 | 11.0 | 21.1 |
| 256649 | 2007 <i>WG</i> ₃₉ | | 8 7.3 211°58' | 1.7/ 6.1 | 17 | | 94291 | <i>Django</i> | | 8 7.3 271°17' | 3.4/ 4.8 | 18 | |
| 6 30 | 21 37.50 | -17 1.1 | 1.786 | 2.624 | 15.2 | 21.3 | 6 30 | 21 37.78 | -26 19.7 | 2.440 | 3.275 | 11.8 | 20.2 |
| 7 10 | 21 33.29 | -17 52.2 | 1.702 | 2.619 | 11.9 | 21.1 | 7 10 | 21 32.91 | -26 43.2 | 2.344 | 3.258 | 9.2 | 20.0 |
| 7 20 | 21 26.60 | -18 54.3 | 1.639 | 2.614 | 8.0 | 20.8 | 7 20 | 21 26.02 | -27 7.2 | 2.272 | 3.241 | 6.5 | 19.8 |
| 7 30 | 21 17.93 | -20 2.2 | 1.601 | 2.608 | 3.7 | 20.6 | 7 30 | 21 17.58 | -27 27.4 | 2.226 | 3.223 | 4.0 | 19.6 |
| 8 9 | 21 8.20 | -21 9.0 | 1.590 | 2.601 | 2.2 | 20.4 | 8 9 | 21 8.33 | -27 39.7 | 2.207 | 3.206 | 3.8 | 19.6 |
| 8 19 | 20 58.49 | -22 8.3 | 1.606 | 2.594 | 6.2 | 20.7 | 8 19 | 20 59.12 | -27 40.9 | 2.216 | 3.188 | 6.1 | 19.7 |
| 8 29 | 20 49.96 | -22 55.0 | 1.648 | 2.586 | 10.4 | 20.9 | 8 29 | 20 50.85 | -27 29.5 | 2.253 | 3.170 | 9.1 | 19.9 |
| 9 8 | 20 43.55 | -23 26.6 | 1.713 | 2.578 | 14.2 | 21.1 | 9 8 | 20 44.27 | -27 6.1 | 2.313 | 3.152 | 11.9 | 20.0 |
| 402403 | 2005 <i>YH</i> ₁₂₈ | | 8 7.3 196°71' | 1.4/ 8.6 | 16 | | 176229 | 2001 <i>QL</i> ₁₅₀ | | 8 7.3 323°68' | 0.7/ 7.9 | 18 | |
| 6 30 | 21 34.92 | -10 43.9 | 3.184 | 3.976 | 10.3 | 22.1 | 6 30 | 21 31.13 | -11 32.8 | 1.791 | 2.627 | 15.3 | 20.2 |
| 7 10 | 21 29.99 | -10 36.2 | 3.086 | 3.972 | 8.2 | 21.9 | 7 10 | 21 28.26 | -12 1.8 | 1.704 | 2.617 | 12.1 | 20.0 |
| 7 20 | 21 23.69 | -10 35.1 | 3.013 | 3.969 | 5.7 | 21.7 | 7 20 | 21 23.17 | -12 45.0 | 1.637 | 2.608 | 8.3 | 19.7 |
| 7 30 | 21 16.37 | -10 39.4 | 2.966 | 3.964 | 3.1 | 21.6 | 7 30 | 21 16.35 | -13 39.4 | 1.595 | 2.600 | 4.1 | 19.5 |
| 8 9 | 21 8.54 | -10 47.7 | 2.949 | 3.959 | 1.4 | 21.4 | 8 9 | 21 8.57 | -14 40.2 | 1.578 | 2.591 | 0.9 | 19.2 |
| 8 19 | 21 0.75 | -10 58.2 | 2.962 | 3.954 | 3.3 | 21.6 | 8 19 | 21 0.81 | -15 41.6 | 1.587 | 2.583 | 5.1 | 19.5 |
| 8 29 | 20 53.60 | -11 9.0 | 3.004 | 3.948 | 5.9 | 21.7 | 8 29 | 20 54.08 | -16 37.9 | 1.623 | 2.576 | 9.4 | 19.7 |
| 9 8 | 20 47.57 | -11 18.4 | 3.073 | 3.942 | 8.4 | 21.9 | 9 8 | 20 49.25 | -17 24.7 | 1.681 | 2.569 | 13.2 | 19.9 |
| 76547 | 2000 <i>GS</i> ₈₃ | | 8 7.3 162°86' | 0.8/ 6.6 | 18 | | 287012 | 2002 <i>QF</i> ₈₁ | | 8 7.4 41°82' | 1.0/ 6.8 | 16 | |
| 6 30 | 21 34.53 | -15 57.2 | 2.194 | 3.024 | 13.1 | 20.0 | 6 30 | 21 39.55 | -18 50.2 | 1.435 | 2.288 | 17.6 | 20.4 |
| 7 10 | 21 30.38 | -16 36.2 | 2.115 | 3.027 | 10.2 | 19.8 | 7 10 | 21 34.91 | -18 45.0 | 1.384 | 2.308 | 13.6 | 20.2 |
| 7 20 | 21 24.29 | -17 23.8 | 2.057 | 3.030 | 6.8 | 19.6 | 7 20 | 21 27.54 | -18 46.2 | 1.352 | 2.329 | 9.0 | 20.0 |
| 7 30 | 21 16.74 | -18 16.3 | 2.026 | 3.032 | 3.1 | 19.4 | 7 30 | 21 18.25 | -18 49.8 | 1.343 | 2.351 | 4.1 | 19.8 |
| 8 9 | 21 8.46 | -19 8.7 | 2.022 | 3.034 | 1.3 | 19.2 | 8 9 | 21 8.25 | -18 51.4 | 1.360 | 2.373 | 1.5 | 19.6 |
| 8 19 | 21 0.28 | -19 56.6 | 2.046 | 3.036 | 4.8 | 19.5 | 8 19 | 20 58.80 | -18 47.8 | 1.402 | 2.395 | 6.1 | 20.0 |
| 8 29 | 20 53.05 | -20 36.3 | 2.098 | 3.038 | 8.4 | 19.7 | 8 29 | 20 51.09 | -18 37.0 | 1.469 | 2.418 | 10.5 | 20.3 |
| 9 8 | 20 47.49 | -21 5.6 | 2.174 | 3.039 | 11.5 | 19.9 | 9 8 | 20 45.90 | -18 18.7 | 1.557 | 2.441 | 14.2 | 20.6 |
| 72258 | 2001 <i>AW</i> ₃₂ | | 8 7.3 273°52' | 1.9/ 6.3 | 18 | | 175229 | 2005 <i>GJ</i> ₁₂₆ | | 8 7.4 105°21' | 1.4/ 6.4 | 17 | |
| 6 30 | 21 39.40 | -18 58.1 | 1.562 | 2.410 | 16.6 | 19.9 | 6 30 | 21 37.76 | -16 3.0 | 1.557 | 2.402 | 16.8 | 20.3 |
| 7 10 | 21 35.35 | -19 18.7 | 1.467 | 2.389 | 13.1 | 19.6 | 7 10 | 21 33.58 | -16 52.7 | 1.494 | 2.414 | 13.0 | 20.0 |
| 7 20 | 21 28.36 | -19 48.1 | 1.391 | 2.367 | 8.9 | 19.3 | 7 20 | 21 26.77 | -17 54.2 | 1.450 | 2.426 | 8.7 | 19.8 |
| 7 30 | 21 18.91 | -20 21.4 | 1.339 | 2.345 | 4.3 | 19.0 | 7 30 | 21 17.99 | -19 1.6 | 1.431 | 2.438 | 4.0 | 19.6 |
| 8 9 | 21 8.00 | -20 52.6 | 1.312 | 2.323 | 2.3 | 18.8 | 8 9 | 21 8.28 | -20 7.5 | 1.438 | 2.450 | 1.9 | 19.5 |
| 8 19 | 20 56.94 | -21 15.8 | 1.311 | 2.300 | 7.0 | 19.0 | 8 19 | 20 58.84 | -21 5.2 | 1.471 | 2.461 | 6.3 | 19.8 |
| 8 29 | 20 47.19 | -21 26.9 | 1.334 | 2.277 | 11.9 | 19.2 | 8 29 | 20 50.86 | -21 49.7 | 1.529 | 2.472 | 10.7 | 20.1 |
| 9 8 | 20 39.96 | -21 24.4 | 1.379 | 2.254 | 16.3 | 19.4 | 9 8 | 20 45.25 | -22 18.9 | 1.609 | 2.482 | 14.5 | 20.3 |
| 430537 | 2002 <i>EB</i> ₇₂ | | 8 7.3 30°96' | 7.8/ 3.9 | | | | | | | | | |

EPHEMERIDES

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------|---------|------|---------------|-------------------------------|-----------------|----------------|-------|---------|------|
| 94260 | 2001 <i>CJ</i> ₄₀ | | 8 7.4 190°23 | 3°7/ | 4.3 18 | | 510337 | 2011 <i>SG</i> ₈₂ | | 8 7.4 13°21 | 0°9/ | 6.8 18 | |
| 6 30 | 21 36.53 | -27 12.4 | 2.487 | 3.324 | 11.5 | 19.4 | 6 30 | 21 35.09 | -17 15.8 | 1.751 | 2.596 | 15.2 | 21.0 |
| 7 10 | 21 31.79 | -27 47.1 | 2.409 | 3.324 | 9.0 | 19.2 | 7 10 | 21 31.30 | -17 31.1 | 1.677 | 2.597 | 11.9 | 20.8 |
| 7 20 | 21 25.16 | -28 21.9 | 2.355 | 3.323 | 6.3 | 19.1 | 7 20 | 21 25.16 | -17 54.3 | 1.623 | 2.599 | 7.9 | 20.6 |
| 7 30 | 21 17.14 | -28 52.2 | 2.327 | 3.322 | 4.2 | 18.9 | 7 30 | 21 17.25 | -18 21.8 | 1.594 | 2.601 | 3.7 | 20.3 |
| 8 9 | 21 8.46 | -29 13.8 | 2.327 | 3.321 | 4.1 | 18.9 | 8 9 | 21 8.48 | -18 48.9 | 1.590 | 2.603 | 1.4 | 20.2 |
| 8 19 | 20 59.92 | -29 23.7 | 2.355 | 3.320 | 6.2 | 19.0 | 8 19 | 20 59.90 | -19 11.2 | 1.613 | 2.606 | 5.6 | 20.5 |
| 8 29 | 20 52.36 | -29 20.5 | 2.409 | 3.319 | 8.9 | 19.2 | 8 29 | 20 52.55 | -19 25.5 | 1.662 | 2.609 | 9.7 | 20.7 |
| 9 8 | 20 46.44 | -29 4.7 | 2.487 | 3.318 | 11.4 | 19.4 | 9 8 | 20 47.27 | -19 30.2 | 1.733 | 2.612 | 13.3 | 21.0 |
| 257806 | 2000 <i>EC</i> ₁₃₈ | | 8 7.4 200°30 | 0°9/ | 6.7 17 | | 250020 | 2002 <i>AB</i> ₁₆₁ | | 8 7.4 95°63 | 2°0/ | 8.5 16 | |
| 6 30 | 21 38.82 | -16 42.0 | 1.997 | 2.826 | 14.2 | 21.7 | 6 30 | 21 42.68 | -10 29.5 | 1.548 | 2.369 | 18.0 | 21.2 |
| 7 10 | 21 33.99 | -17 9.0 | 1.911 | 2.822 | 11.1 | 21.5 | 7 10 | 21 37.12 | -10 22.9 | 1.491 | 2.393 | 14.2 | 21.0 |
| 7 20 | 21 26.90 | -17 44.4 | 1.846 | 2.818 | 7.5 | 21.2 | 7 20 | 21 28.96 | -10 30.0 | 1.453 | 2.417 | 9.9 | 20.8 |
| 7 30 | 21 18.05 | -18 24.3 | 1.807 | 2.813 | 3.4 | 21.0 | 7 30 | 21 18.94 | -10 48.4 | 1.439 | 2.440 | 5.2 | 20.6 |
| 8 9 | 21 8.28 | -19 3.9 | 1.796 | 2.808 | 1.3 | 20.8 | 8 9 | 21 8.17 | -11 14.1 | 1.451 | 2.463 | 2.1 | 20.4 |
| 8 19 | 20 58.58 | -19 38.7 | 1.812 | 2.802 | 5.3 | 21.1 | 8 19 | 20 57.87 | -11 42.5 | 1.490 | 2.485 | 5.5 | 20.7 |
| 8 29 | 20 49.97 | -20 5.0 | 1.855 | 2.796 | 9.3 | 21.3 | 8 29 | 20 49.17 | -12 9.4 | 1.555 | 2.507 | 9.8 | 21.0 |
| 9 8 | 20 43.30 | -20 21.0 | 1.923 | 2.788 | 12.8 | 21.5 | 9 8 | 20 42.91 | -12 31.4 | 1.643 | 2.527 | 13.6 | 21.3 |
| 386786 | 2010 <i>ER</i> ₂₁ | | 8 7.4 173°00 | 4°8/ | 3.6 18 | | 479141 | 2013 <i>BU</i> ₅₇ | | 8 7.4 249°01 | 0°9/ | 6.5 18 | |
| 6 30 | 21 41.20 | -29 48.9 | 2.391 | 3.223 | 12.1 | 21.8 | 6 30 | 21 33.29 | -15 30.6 | 2.161 | 2.993 | 13.2 | 21.3 |
| 7 10 | 21 35.52 | -30 34.7 | 2.318 | 3.227 | 9.6 | 21.6 | 7 10 | 21 29.61 | -16 18.5 | 2.070 | 2.984 | 10.3 | 21.1 |
| 7 20 | 21 27.71 | -31 19.0 | 2.268 | 3.230 | 7.0 | 21.4 | 7 20 | 21 23.93 | -17 16.7 | 2.001 | 2.974 | 6.9 | 20.9 |
| 7 30 | 21 18.35 | -31 56.4 | 2.245 | 3.232 | 5.0 | 21.3 | 7 30 | 21 16.69 | -18 21.2 | 1.958 | 2.964 | 3.2 | 20.6 |
| 8 9 | 21 8.24 | -32 21.7 | 2.249 | 3.233 | 5.1 | 21.3 | 8 9 | 21 8.59 | -19 26.8 | 1.942 | 2.954 | 1.4 | 20.5 |
| 8 19 | 20 58.33 | -32 31.8 | 2.281 | 3.234 | 7.2 | 21.5 | 8 19 | 21 0.48 | -20 28.2 | 1.954 | 2.944 | 5.1 | 20.7 |
| 8 29 | 20 49.55 | -32 25.6 | 2.339 | 3.235 | 9.7 | 21.6 | 8 29 | 20 53.25 | -21 20.7 | 1.994 | 2.934 | 8.8 | 20.9 |
| 9 8 | 20 42.65 | -32 4.5 | 2.421 | 3.234 | 12.2 | 21.8 | 9 8 | 20 47.67 | -22 1.6 | 2.057 | 2.923 | 12.1 | 21.1 |
| 382543 | 2001 <i>UH</i> ₄₁ | | 8 7.4 326°90 | 3°3/ | 5.4 18 | | 247309 | 2001 <i>TO</i> ₁₂₁ | | 8 7.4 340°57 | 3°8/ | 9.4 18 | |
| 6 30 | 21 31.55 | -19 56.4 | 1.275 | 2.151 | 17.9 | 20.2 | 6 30 | 21 34.76 | -7 45.1 | 1.775 | 2.592 | 16.2 | 19.9 |
| 7 10 | 21 29.70 | -20 40.4 | 1.194 | 2.132 | 14.1 | 19.9 | 7 10 | 21 31.02 | -7 7.1 | 1.690 | 2.586 | 13.2 | 19.7 |
| 7 20 | 21 24.79 | -21 35.9 | 1.132 | 2.115 | 9.6 | 19.6 | 7 20 | 21 24.99 | -6 41.2 | 1.625 | 2.581 | 9.7 | 19.4 |
| 7 30 | 21 17.33 | -22 36.4 | 1.091 | 2.098 | 4.9 | 19.3 | 7 30 | 21 17.21 | -6 27.8 | 1.582 | 2.575 | 6.0 | 19.2 |
| 8 9 | 21 8.41 | -23 33.1 | 1.073 | 2.082 | 3.8 | 19.2 | 8 9 | 21 8.50 | -6 25.8 | 1.565 | 2.571 | 3.8 | 19.1 |
| 8 19 | 20 59.44 | -24 17.9 | 1.079 | 2.067 | 8.3 | 19.4 | 8 19 | 20 59.86 | -6 32.9 | 1.574 | 2.566 | 5.7 | 19.2 |
| 8 29 | 20 51.99 | -24 44.7 | 1.106 | 2.053 | 13.4 | 19.7 | 8 29 | 20 52.34 | -6 45.7 | 1.609 | 2.563 | 9.4 | 19.4 |
| 9 8 | 20 47.31 | -24 51.6 | 1.153 | 2.040 | 17.9 | 19.9 | 9 8 | 20 46.77 | -7 0.7 | 1.667 | 2.559 | 13.0 | 19.6 |
| 121979 | 2000 <i>EM</i> ₁₄₉ | | 8 7.4 223°03 | 1°5/ | 6.5 17 | | 251903 | 1999 <i>VF</i> ₁₂₂ | | 8 7.4 258°68 | 1°4/ | 6.1 18 | |
| 6 30 | 21 38.30 | -16 46.3 | 1.353 | 2.208 | 18.3 | 20.0 | 6 30 | 21 33.12 | -18 29.0 | 2.446 | 3.279 | 11.8 | 21.4 |
| 7 10 | 21 34.59 | -17 19.5 | 1.281 | 2.207 | 14.3 | 19.8 | 7 10 | 21 29.22 | -19 2.8 | 2.354 | 3.268 | 9.2 | 21.2 |
| 7 20 | 21 27.83 | -18 5.2 | 1.227 | 2.205 | 9.6 | 19.5 | 7 20 | 21 23.53 | -19 42.8 | 2.285 | 3.258 | 6.1 | 21.0 |
| 7 30 | 21 18.64 | -18 58.0 | 1.195 | 2.203 | 4.5 | 19.2 | 7 30 | 21 16.45 | -20 25.6 | 2.241 | 3.247 | 2.9 | 20.8 |
| 8 9 | 21 8.18 | -19 50.1 | 1.188 | 2.200 | 2.0 | 19.0 | 8 9 | 21 8.65 | -21 7.0 | 2.226 | 3.236 | 1.7 | 20.7 |
| 8 19 | 20 57.86 | -20 34.5 | 1.206 | 2.198 | 7.1 | 19.3 | 8 19 | 21 0.86 | -21 43.3 | 2.239 | 3.226 | 4.8 | 20.9 |
| 8 29 | 20 49.17 | -21 5.9 | 1.248 | 2.196 | 12.1 | 19.6 | 8 29 | 20 53.87 | -22 11.4 | 2.279 | 3.215 | 8.1 | 21.1 |
| 9 8 | 20 43.21 | -21 22.0 | 1.310 | 2.193 | 16.5 | 19.9 | 9 8 | 20 48.37 | -22 29.5 | 2.344 | 3.203 | 11.0 | 21.3 |
| 10003 | 1971 <i>UD</i> ₁ | | 8 7.4 307°16 | 0°9/ | 6.9 18 | | 210281 | 2007 <i>TV</i> ₄₃ | | 8 7.4 264°64 | 3°2/ | 4.9 18 | |
| 6 30 | 21 34.38 | -15 30.1 | 1.245 | 2.109 | 19.0 | 17.7 | 6 30 | 21 35.88 | -22 40.5 | 2.022 | 2.867 | 13.5 | 20.6 |
| 7 10 | 21 31.92 | -15 55.5 | 1.164 | 2.095 | 15.0 | 17.4 | 7 10 | 21 31.83 | -23 24.2 | 1.935 | 2.856 | 10.5 | 20.4 |
| 7 20 | 21 26.30 | -16 36.0 | 1.101 | 2.081 | 10.2 | 17.1 | 7 20 | 21 25.53 | -24 12.7 | 1.871 | 2.845 | 7.2 | 20.2 |
| 7 30 | 21 18.05 | -17 27.0 | 1.059 | 2.067 | 4.7 | 16.7 | 7 30 | 21 17.46 | -25 0.9 | 1.832 | 2.834 | 4.0 | 19.9 |
| 8 9 | 21 8.28 | -18 21.2 | 1.040 | 2.053 | 1.5 | 16.4 | 8 9 | 21 8.46 | -25 43.1 | 1.819 | 2.823 | 3.6 | 19.9 |
| 8 19 | 20 58.46 | -19 10.7 | 1.045 | 2.040 | 7.2 | 16.8 | 8 19 | 20 59.48 | -26 14.4 | 1.834 | 2.812 | 6.6 | 20.1 |
| 8 29 | 20 50.20 | -19 48.8 | 1.073 | 2.028 | 12.8 | 17.0 | 8 29 | 20 51.57 | -26 31.8 | 1.875 | 2.801 | 10.1 | 20.3 |
| 9 8 | 20 44.76 | -20 11.7 | 1.120 | 2.015 | 17.7 | 17.3 | 9 8 | 20 45.57 | -26 34.6 | 1.938 | 2.790 | 13.3 | 20.4 |
| 276323 | 2002 <i>TR</i> ₂₀₅ | | 8 7.4 354°99 | 14°1/ | 16.4 18 | | 325980 | 2010 <i>VK</i> ₁₆₆ | | 8 7.4 264°56 | 0°9/ | 6.6 18 | |
| 6 30 | 21 23.34 | + 9 7.4 | 1.172 | 1.969 | 24.0 | 18.5 | 6 30 | 21 33.22 | -17 4.7 | 2.437 | 3.267 | 12.0 | 22.0 |
| 7 10 | 21 23.12 | +10 54.9 | 1.104 | 1.958 | 21.6 | 18.3 | 7 10 | 21 29.31 | -17 32.3 | 2.341 | 3.253 | 9.3 | 21.8 |
| 7 20 | 21 20.23 | +12 13.1 | 1.048 | 1.949 | 19.0 | 18.1 | 7 20 | 21 23.60 | -18 6.9 | 2.268 | 3.240 | 6.2 | 21.6 |
| 7 30 | 21 15.15 | +12 53.8 | 1.009 | 1.942 | 16.4 | 17.9 | 7 30 | 21 16.50 | -18 45.3 | 2.220 | 3.226 | 2.9 | 21.4 |
| 8 9 | 21 8.87 | +12 52.5 | 0.987 | 1.938 | 14.6 | 17.8 | 8 9 | 21 8.65 | -19 23.7 | 2.201 | 3.213 | 1.2 | 21.2 |
| 8 19 | 21 2.59 | +12 9.2 | 0.983 | 1.936 | 14.2 | 17.8 | 8 19 | 21 0.79 | -19 58.5 | 2.209 | 3.199 | 4.6 | 21.4 |
| 8 29 | 20 57.69 | +10 50.3 | 0.998 | 1.936 | 15.4 | 17.9 | 8 29 | 20 53.71 | -20 26.3 | 2.245 | 3.185 | 7.9 | 21.6 |
| 9 8 | 20 55.25 | + 9 7.8 | 1.031 | 1.939 | 17.8 | 18.0 | 9 8 | 20 48.11 | -20 45.4 | 2.306 | 3.171 | 11.0 | 21.8 |
| 442035 | 2010 <i>PT</i> ₆₄ | | 8 7.4 282°70 | 1°4/ | 6.4 18 | | 38045 | 1998 <i>SM</i> ₉₃ | | 8 7.4 43°79 | 4°6/ | 11.6 18 | |
| 6 30 | 21 36.55 | -19 48.4 | 2.149 | 2.984 | 13.1 | 20.8 | 6 30 | 21 30.28 | - 0 7.1 | 2.058 | 2.840 | 15.4 | 18.7 |
| 7 10 | 21 32.09 | -19 57.1 | 2.060 | 2.975 | 10.2 | 20.6 | 7 10 | 21 27.11 | - 0 13.4 | 1.983 | 2.851 | 12.8 | 18.5 |
| 7 20 | 21 25.54 | -20 10.2 | 1.992 | 2.966 | 6.9 | 20.4 | 7 20 | 21 22.12 | - 0 38.4 | 1.929 | 2.862 | 9.8 | 18.3 |
| 7 30 | 21 17.40 | -20 24.5 | 1.950 | 2.956 | 3.3 | 20.1 | 7 30 | 21 15.78 | - 1 21.5 | 1.897 | 2.874 | 6.8 | 18.2 |
| 8 9 | 21 8.45 | -20 36.1 | 1.936 | 2.947 | 1.7 | 20.0 | 8 9 | 21 8.81 | - 2 20.0 | 1.891 | 2.886 | 4.8 | 18.1 |
| 8 19 | 20 59.57 | -20 42.1 | 1.949 | 2.938 | 5.2 | 20.2 | 8 19 | 21 1.97 | - 3 29.6 | 1.912 | 2.898 | 5.5 | 18.2 |
| 8 29 | 20 51.71 | -20 40.3 | 1.989 | 2.929 | 8.8 | 20.4 | 8 29 | 20 56.06 | - 4 44.5 | 1.959 | 2.911 | 8.1 | 18.3 |
| 9 8 | 20 45.62 | -20 29.9 | 2.053 | 2.919 | 12.1 | 20.6 | 9 8 | 20 51.72 | - 5 58.9 | 2.031 | 2.924 | 11.0 | 18.6 |
| 273479 | 2006 <i>YK</i> ₁₇ | | 8 7.4 237°56 | 0°8/ | 6.8 18 | | 235728 | 2004 <i>TB</i> ₁₈₈ | | 8 7.4 248°35</ | | | |

EPHEMERIDES

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 349267 | 2007 <i>TK</i> ₂₀₈ | | 8 7.4 45°02 | 1.7/ 6.2 | 16 | | 371453 | 2006 <i>SL</i> ₃₁₇ | | 8 7.4 344°06 | 0°6/ 7.1 | 17 | |
| 6 30 | 21 34.53 | -18 0.1 | 1.712 | 2.561 | 15.3 | 21.1 | 6 30 | 21 27.50 | -14 43.4 | 1.030 | 1.916 | 20.4 | 20.5 |
| 7 10 | 21 30.90 | -18 39.1 | 1.646 | 2.569 | 11.9 | 20.9 | 7 10 | 21 26.94 | -15 5.7 | 0.959 | 1.902 | 16.2 | 20.2 |
| 7 20 | 21 24.91 | -19 26.8 | 1.600 | 2.577 | 7.9 | 20.6 | 7 20 | 21 23.15 | -15 45.8 | 0.905 | 1.890 | 11.0 | 19.9 |
| 7 30 | 21 17.15 | -20 18.2 | 1.578 | 2.585 | 3.7 | 20.4 | 7 30 | 21 16.67 | -16 39.3 | 0.871 | 1.879 | 5.1 | 19.5 |
| 8 9 | 21 8.56 | -21 7.0 | 1.582 | 2.593 | 2.2 | 20.3 | 8 9 | 21 8.70 | -17 38.3 | 0.857 | 1.870 | 1.4 | 19.2 |
| 8 19 | 21 0.19 | -21 48.1 | 1.612 | 2.601 | 6.0 | 20.6 | 8 19 | 21 0.78 | -18 33.7 | 0.865 | 1.863 | 7.5 | 19.6 |
| 8 29 | 20 53.09 | -22 17.4 | 1.668 | 2.610 | 10.0 | 20.8 | 8 29 | 20 54.58 | -19 17.2 | 0.893 | 1.857 | 13.4 | 19.9 |
| 9 8 | 20 48.09 | -22 33.5 | 1.746 | 2.619 | 13.5 | 21.1 | 9 8 | 20 51.38 | -19 43.9 | 0.939 | 1.853 | 18.5 | 20.2 |
| 22082 | Rountree | | 8 7.4 222°77 | 1°1/ 6.4 | 18 | | 107563 | 2001 <i>DZ</i> ₈₇ | | 8 7.4 66°82 | 1°8/ 5.9 | 18 | |
| 6 30 | 21 36.07 | -17 10.0 | 2.286 | 3.114 | 12.7 | 19.1 | 6 30 | 21 33.79 | -16 17.3 | 1.751 | 2.596 | 15.2 | 19.5 |
| 7 10 | 21 31.65 | -17 46.1 | 2.193 | 3.105 | 9.9 | 18.9 | 7 10 | 21 30.30 | -17 24.3 | 1.685 | 2.607 | 11.8 | 19.3 |
| 7 20 | 21 25.25 | -18 29.9 | 2.123 | 3.095 | 6.6 | 18.7 | 7 20 | 21 24.53 | -18 42.7 | 1.641 | 2.617 | 7.8 | 19.1 |
| 7 30 | 21 17.30 | -19 17.8 | 2.078 | 3.084 | 3.1 | 18.4 | 7 30 | 21 17.02 | -20 6.4 | 1.621 | 2.628 | 3.6 | 18.9 |
| 8 9 | 21 8.53 | -20 5.2 | 2.062 | 3.074 | 1.5 | 18.3 | 8 9 | 21 8.67 | -21 28.1 | 1.628 | 2.638 | 2.3 | 18.8 |
| 8 19 | 20 59.74 | -20 47.8 | 2.074 | 3.062 | 5.0 | 18.5 | 8 19 | 21 0.49 | -22 40.9 | 1.661 | 2.649 | 6.1 | 19.1 |
| 8 29 | 20 51.84 | -21 21.9 | 2.113 | 3.050 | 8.5 | 18.7 | 8 29 | 20 53.53 | -23 39.6 | 1.721 | 2.660 | 10.0 | 19.4 |
| 9 8 | 20 45.57 | -21 45.6 | 2.178 | 3.038 | 11.7 | 18.9 | 9 8 | 20 48.59 | -24 21.7 | 1.804 | 2.670 | 13.4 | 19.6 |
| 355656 | 2008 <i>EB</i> ₈₆ | | 8 7.4 104°07 | 0°1/ 7.3 | 18 | | 193584 | 2001 <i>BL</i> ₂₂ | | 8 7.4 189°18 | 2°6/ 9.3 | 18 | |
| 6 30 | 21 32.84 | -13 47.6 | 2.230 | 3.057 | 13.0 | 20.8 | 6 30 | 21 37.94 | -7 51.7 | 2.415 | 3.205 | 13.2 | 20.4 |
| 7 10 | 21 29.04 | -14 21.8 | 2.153 | 3.062 | 10.2 | 20.6 | 7 10 | 21 32.84 | -7 37.9 | 2.323 | 3.204 | 10.7 | 20.2 |
| 7 20 | 21 23.40 | -15 5.7 | 2.097 | 3.068 | 6.8 | 20.5 | 7 20 | 21 25.91 | -7 34.3 | 2.252 | 3.203 | 7.7 | 20.0 |
| 7 30 | 21 16.40 | -15 55.9 | 2.068 | 3.073 | 3.2 | 20.2 | 7 30 | 21 17.59 | -7 40.2 | 2.208 | 3.200 | 4.6 | 19.8 |
| 8 9 | 21 8.73 | -16 48.2 | 2.065 | 3.079 | 0.7 | 20.0 | 8 9 | 21 8.56 | -7 53.8 | 2.191 | 3.198 | 2.6 | 19.7 |
| 8 19 | 21 1.17 | -17 38.2 | 2.091 | 3.084 | 4.4 | 20.3 | 8 19 | 20 59.59 | -8 12.7 | 2.203 | 3.194 | 4.4 | 19.8 |
| 8 29 | 20 54.52 | -18 21.9 | 2.144 | 3.090 | 7.9 | 20.6 | 8 29 | 20 51.47 | -8 34.2 | 2.243 | 3.190 | 7.5 | 20.0 |
| 9 8 | 20 49.45 | -18 56.8 | 2.222 | 3.095 | 11.0 | 20.8 | 9 8 | 20 44.89 | -8 55.2 | 2.310 | 3.185 | 10.5 | 20.2 |
| 66347 | 1999 <i>JW</i> ₇₂ | | 8 7.4 5°37 | 6°7/ 3.4 | 18 | | 63423 | 2001 <i>KY</i> ₇₂ | | 8 7.4 80°10 | 0°3/ 7.2 | 18 | |
| 6 30 | 21 32.66 | -24 44.1 | 1.075 | 1.965 | 19.5 | 17.8 | 6 30 | 21 35.20 | -15 16.3 | 1.909 | 2.744 | 14.6 | 19.8 |
| 7 10 | 21 30.99 | -26 10.0 | 1.020 | 1.964 | 15.3 | 17.6 | 7 10 | 21 31.22 | -15 36.0 | 1.831 | 2.745 | 11.4 | 19.6 |
| 7 20 | 21 25.80 | -27 43.6 | 0.982 | 1.965 | 10.8 | 17.3 | 7 20 | 21 25.07 | -16 5.1 | 1.774 | 2.747 | 7.7 | 19.4 |
| 7 30 | 21 17.82 | -29 13.2 | 0.966 | 1.966 | 7.2 | 17.1 | 7 30 | 21 17.27 | -16 40.1 | 1.742 | 2.748 | 3.5 | 19.1 |
| 8 9 | 21 8.44 | -30 26.0 | 0.971 | 1.968 | 7.5 | 17.1 | 8 9 | 21 8.64 | -17 16.5 | 1.736 | 2.749 | 0.8 | 18.9 |
| 8 19 | 20 59.37 | -31 12.7 | 0.998 | 1.972 | 11.2 | 17.4 | 8 19 | 21 0.14 | -17 50.0 | 1.757 | 2.751 | 5.1 | 19.2 |
| 8 29 | 20 52.33 | -31 29.4 | 1.045 | 1.976 | 15.6 | 17.6 | 8 29 | 20 52.76 | -18 16.8 | 1.805 | 2.752 | 9.0 | 19.5 |
| 9 8 | 20 48.48 | -31 18.0 | 1.110 | 1.982 | 19.6 | 17.9 | 9 8 | 20 47.27 | -18 34.7 | 1.876 | 2.753 | 12.5 | 19.7 |
| 29037 | 3165 <i>T</i> ₋₁ | | 8 7.4 301°18 | 1°5/ 6.7 | 18 | | 70201 | 1999 <i>RR</i> ₂₃ | | 8 7.4 232°80 | 4°1/ 4.8 | 18 | |
| 6 30 | 21 36.29 | -17 35.0 | 1.224 | 2.091 | 19.1 | 18.6 | 6 30 | 21 41.32 | -24 24.5 | 1.789 | 2.633 | 15.0 | 19.1 |
| 7 10 | 21 33.68 | -17 49.6 | 1.135 | 2.068 | 15.2 | 18.3 | 7 10 | 21 36.47 | -25 8.0 | 1.703 | 2.622 | 11.8 | 18.9 |
| 7 20 | 21 27.71 | -18 16.2 | 1.065 | 2.046 | 10.4 | 18.0 | 7 20 | 21 28.91 | -25 55.5 | 1.639 | 2.611 | 8.2 | 18.6 |
| 7 30 | 21 18.84 | -18 50.3 | 1.015 | 2.023 | 4.9 | 17.6 | 7 30 | 21 19.18 | -26 40.6 | 1.599 | 2.600 | 4.9 | 18.4 |
| 8 9 | 21 8.21 | -19 24.9 | 0.989 | 2.001 | 2.0 | 17.3 | 8 9 | 21 8.27 | -27 16.4 | 1.586 | 2.588 | 4.5 | 18.4 |
| 8 19 | 20 57.36 | -19 52.8 | 0.985 | 1.980 | 7.7 | 17.6 | 8 19 | 20 57.41 | -27 37.7 | 1.600 | 2.575 | 7.7 | 18.5 |
| 8 29 | 20 48.08 | -20 8.4 | 1.004 | 1.958 | 13.5 | 17.8 | 8 29 | 20 47.87 | -27 41.7 | 1.639 | 2.562 | 11.5 | 18.7 |
| 9 8 | 20 41.80 | -20 9.3 | 1.042 | 1.938 | 18.7 | 18.1 | 9 8 | 20 40.68 | -27 28.8 | 1.700 | 2.548 | 15.0 | 18.9 |
| 260134 | 2004 <i>PW</i> ₁₁₃ | | 8 7.4 11°37 | 2°1/ 9.2 | 18 | | 319191 | 2005 <i>YE</i> ₁₄₉ | | 8 7.4 234°37 | 0°2/ 7.6 | 18 | |
| 6 30 | 21 29.33 | -6 36.1 | 1.846 | 2.666 | 15.6 | 20.1 | 6 30 | 21 34.83 | -14 46.6 | 2.628 | 3.444 | 11.6 | 21.7 |
| 7 10 | 21 26.70 | -7 13.0 | 1.768 | 2.668 | 12.5 | 19.9 | 7 10 | 21 30.36 | -14 50.0 | 2.533 | 3.436 | 9.1 | 21.5 |
| 7 20 | 21 22.04 | -8 7.8 | 1.710 | 2.671 | 8.8 | 19.7 | 7 20 | 21 24.22 | -14 59.8 | 2.460 | 3.427 | 6.2 | 21.3 |
| 7 30 | 21 15.83 | -9 17.8 | 1.675 | 2.674 | 4.9 | 19.5 | 7 30 | 21 16.81 | -15 13.8 | 2.414 | 3.419 | 2.9 | 21.1 |
| 8 9 | 21 8.84 | -10 38.2 | 1.667 | 2.678 | 2.1 | 19.3 | 8 9 | 21 8.75 | -15 29.6 | 2.396 | 3.410 | 0.5 | 20.9 |
| 8 19 | 21 1.93 | -12 2.6 | 1.686 | 2.682 | 4.7 | 19.5 | 8 19 | 21 0.73 | -15 44.7 | 2.408 | 3.401 | 3.9 | 21.1 |
| 8 29 | 20 56.03 | -13 24.3 | 1.730 | 2.687 | 8.6 | 19.7 | 8 29 | 20 53.47 | -15 56.7 | 2.447 | 3.392 | 7.1 | 21.3 |
| 9 8 | 20 51.87 | -14 37.8 | 1.800 | 2.692 | 12.2 | 20.0 | 9 8 | 20 47.59 | -16 3.9 | 2.512 | 3.382 | 10.0 | 21.5 |
| 373220 | 2012 <i>FY</i> ₄₀ | | 8 7.4 60°88 | 0°1/ 7.3 | 17 | | 50284 | 2000 <i>CP</i> ₂₃ | | 8 7.4 86°23 | 1°6/ 8.7 | 18 | |
| 6 30 | 21 37.95 | -14 38.2 | 1.349 | 2.200 | 18.6 | 21.2 | 6 30 | 21 33.70 | -9 18.4 | 1.929 | 2.748 | 15.0 | 19.2 |
| 7 10 | 21 33.99 | -14 55.5 | 1.292 | 2.215 | 14.5 | 21.0 | 7 10 | 21 29.97 | -9 36.8 | 1.853 | 2.755 | 11.9 | 19.0 |
| 7 20 | 21 27.17 | -15 25.4 | 1.254 | 2.230 | 9.7 | 20.8 | 7 20 | 21 24.19 | -10 8.9 | 1.798 | 2.761 | 8.3 | 18.8 |
| 7 30 | 21 18.25 | -16 3.5 | 1.239 | 2.246 | 4.5 | 20.5 | 7 30 | 21 16.85 | -10 52.5 | 1.767 | 2.767 | 4.4 | 18.5 |
| 8 9 | 21 8.41 | -16 43.6 | 1.248 | 2.261 | 0.9 | 20.3 | 8 9 | 21 8.75 | -11 43.3 | 1.762 | 2.774 | 1.6 | 18.4 |
| 8 19 | 20 58.97 | -17 19.6 | 1.282 | 2.277 | 6.2 | 20.7 | 8 19 | 21 0.79 | -12 36.6 | 1.784 | 2.780 | 4.7 | 18.6 |
| 8 29 | 20 51.24 | -17 47.1 | 1.340 | 2.293 | 10.9 | 21.0 | 8 29 | 20 53.87 | -13 27.6 | 1.833 | 2.786 | 8.5 | 18.8 |
| 9 8 | 20 46.10 | -18 3.5 | 1.420 | 2.309 | 15.0 | 21.3 | 9 8 | 20 48.74 | -14 12.1 | 1.906 | 2.792 | 11.9 | 19.1 |
| 178423 | 1998 <i>SN</i> ₃₁ | | 8 7.4 317°88 | 3°0/ 9.3 | 18 | | 121719 | Georghshaw | | 8 7.4 239°35 | 4°5/ 11.2 | 18 | |
| 6 30 | 21 32.20 | -6 53.5 | 1.425 | 2.260 | 18.6 | 19.9 | 6 30 | 21 33.26 | -0 44.5 | 2.733 | 3.492 | 12.6 | 20.8 |
| 7 10 | 21 29.67 | -7 4.7 | 1.343 | 2.251 | 15.1 | 19.6 | 7 10 | 21 29.09 | -0 19.7 | 2.630 | 3.481 | 10.5 | 20.7 |
| 7 20 | 21 24.49 | -7 36.5 | 1.279 | 2.243 | 10.9 | 19.4 | 7 20 | 21 23.36 | -0 7.0 | 2.548 | 3.470 | 8.2 | 20.5 |
| 7 30 | 21 17.15 | -8 27.7 | 1.236 | 2.235 | 6.3 | 19.1 | 7 30 | 21 16.43 | -0 7.2 | 2.490 | 3.459 | 6.0 | 20.3 |
| 8 9 | 21 8.61 | -9 33.8 | 1.217 | 2.227 | 3.0 | 18.9 | 8 9 | 21 8.85 | -0 19.7 | 2.460 | 3.447 | 4.5 | 20.2 |
| 8 19 | 21 0.06 | -10 47.8 | 1.223 | 2.220 | 6.0 | 19.0 | 8 19 | 21 1.23 | -0 42.8 | 2.457 | 3.435 | 5.2 | 20.3 |
| 8 29 | 20 52.79 | -12 1.9 | 1.252 | 2.213 | 10.8 | 19.3 | 8 29 | 20 54.26 | -1 13.8 | 2.482 | 3.423 | 7.2 | 20.4 |
| 9 8 | 20 47.86 | -13 8.9 | 1.304 | 2.206 | 15.2 | 19.5 | 9 8 | 20 48.53 | -1 49.3 | 2.533 | 3.410 | 9.7 | 20.5 |
| 163472 | 2002 <i>RB</i> ₁₈₆ | | 8 7.4 279°66 | 3°9/ 9.9 | 18 | | 121858 | 2000 <i>CV</i> ₆₄ | | 8 7.4 242°94 | 1°2/ 6.2 | 18 | |
| 6 30 | 21 35.20 | -5 | | | | | | | | | | | |

EPHEMERIDES

8 7.4

8 7.4

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 426267 | 2012 <i>QQ</i> ₅₁ | | 8 7.4 357°01 | 1.3°/ 6.5 | 16 | | 165602 | 2001 <i>FH</i> ₅₅ | | 8 7.4 41°64 | 5°1/ 4.6 | 17 | |
| 6 30 | 21 20.28 | -12 50.1 | 0.959 | 1.856 | 20.7 | 19.1 | 6 30 | 21 39.07 | -27 8.9 | 1.562 | 2.421 | 16.1 | 18.9 |
| 7 10 | 21 21.32 | -13 55.7 | 0.898 | 1.847 | 16.2 | 18.8 | 7 10 | 21 34.71 | -27 46.9 | 1.508 | 2.434 | 12.6 | 18.7 |
| 7 20 | 21 19.34 | -15 26.4 | 0.853 | 1.841 | 10.9 | 18.5 | 7 20 | 21 27.58 | -28 24.9 | 1.475 | 2.448 | 8.8 | 18.5 |
| 7 30 | 21 14.90 | -17 15.3 | 0.827 | 1.836 | 4.9 | 18.1 | 7 30 | 21 18.47 | -28 55.8 | 1.465 | 2.462 | 5.7 | 18.3 |
| 8 9 | 21 9.15 | -19 10.3 | 0.822 | 1.835 | 2.0 | 17.9 | 8 9 | 21 8.54 | -29 13.4 | 1.480 | 2.477 | 5.5 | 18.4 |
| 8 19 | 21 3.52 | -20 57.5 | 0.838 | 1.835 | 7.9 | 18.3 | 8 19 | 20 59.07 | -29 13.8 | 1.520 | 2.492 | 8.3 | 18.6 |
| 8 29 | 20 59.58 | -22 25.1 | 0.874 | 1.838 | 13.6 | 18.6 | 8 29 | 20 51.29 | -28 56.4 | 1.584 | 2.508 | 11.8 | 18.8 |
| 9 8 | 20 58.44 | -23 26.3 | 0.929 | 1.844 | 18.5 | 18.9 | 9 8 | 20 46.01 | -28 23.2 | 1.670 | 2.524 | 15.0 | 19.1 |
| 180181 | 2003 <i>KD</i> ₁₂ | | 8 7.4 43°76 | 2°6/ 9.8 | 18 | | 289216 | 2004 <i>XR</i> ₃₁ | | 8 7.4 211°96 | 3°1/ 9.1 | 18 | |
| 6 30 | 21 30.68 | - 5 5.3 | 2.001 | 2.807 | 15.0 | 19.8 | 6 30 | 21 39.75 | - 8 30.4 | 1.678 | 2.492 | 17.1 | 21.2 |
| 7 10 | 21 27.55 | - 5 34.7 | 1.926 | 2.816 | 12.1 | 19.6 | 7 10 | 21 35.15 | - 8 12.0 | 1.591 | 2.487 | 13.9 | 21.0 |
| 7 20 | 21 22.52 | - 6 21.0 | 1.871 | 2.825 | 8.7 | 19.4 | 7 20 | 21 27.97 | - 8 7.5 | 1.524 | 2.482 | 10.0 | 20.7 |
| 7 30 | 21 16.08 | - 7 22.2 | 1.841 | 2.835 | 5.2 | 19.2 | 7 30 | 21 18.77 | - 8 16.0 | 1.481 | 2.477 | 5.8 | 20.5 |
| 8 9 | 21 8.95 | - 8 34.2 | 1.837 | 2.845 | 2.7 | 19.1 | 8 9 | 21 8.46 | - 8 35.2 | 1.462 | 2.471 | 3.1 | 20.3 |
| 8 19 | 21 1.94 | - 9 51.3 | 1.860 | 2.855 | 4.6 | 19.2 | 8 19 | 20 58.18 | - 9 1.5 | 1.471 | 2.465 | 5.8 | 20.5 |
| 8 29 | 20 55.88 | -11 7.8 | 1.910 | 2.865 | 8.0 | 19.5 | 8 29 | 20 49.15 | - 9 30.4 | 1.505 | 2.458 | 10.0 | 20.7 |
| 9 8 | 20 51.47 | -12 18.4 | 1.985 | 2.876 | 11.3 | 19.7 | 9 8 | 20 42.32 | - 9 57.6 | 1.563 | 2.451 | 14.0 | 20.9 |
| 239072 | 2006 <i>GL</i> ₁₄ | | 8 7.4 324°25 | 1°9/ 6.1 | 18 | | 218911 | 2007 <i>FQ</i> ₂₄ | | 8 7.4 345°06 | 3°3/ 10.2 | 18 | |
| 6 30 | 21 34.53 | -18 23.0 | 1.691 | 2.541 | 15.4 | 20.6 | 6 30 | 21 29.39 | - 4 30.0 | 1.954 | 2.762 | 15.3 | 20.3 |
| 7 10 | 21 31.13 | -19 1.3 | 1.612 | 2.536 | 12.0 | 20.4 | 7 10 | 21 26.71 | - 4 44.5 | 1.866 | 2.756 | 12.5 | 20.1 |
| 7 20 | 21 25.26 | -19 48.6 | 1.555 | 2.532 | 8.1 | 20.1 | 7 20 | 21 22.08 | - 5 16.2 | 1.799 | 2.751 | 9.2 | 19.9 |
| 7 30 | 21 17.47 | -20 40.2 | 1.521 | 2.527 | 3.8 | 19.9 | 7 30 | 21 15.94 | - 6 4.4 | 1.755 | 2.747 | 5.7 | 19.7 |
| 8 9 | 21 8.67 | -21 29.6 | 1.513 | 2.523 | 2.4 | 19.8 | 8 9 | 21 9.00 | - 7 5.5 | 1.737 | 2.743 | 3.3 | 19.5 |
| 8 19 | 20 59.97 | -22 11.1 | 1.530 | 2.519 | 6.3 | 20.0 | 8 19 | 21 2.09 | - 8 14.9 | 1.745 | 2.739 | 4.9 | 19.6 |
| 8 29 | 20 52.50 | -22 40.5 | 1.573 | 2.515 | 10.5 | 20.3 | 8 29 | 20 56.08 | - 9 26.6 | 1.779 | 2.736 | 8.4 | 19.8 |
| 9 8 | 20 47.18 | -22 55.9 | 1.639 | 2.512 | 14.2 | 20.5 | 9 8 | 20 51.72 | -10 35.0 | 1.838 | 2.734 | 11.8 | 20.0 |
| 68861 | 2002 <i>JQ</i> ₃ | | 8 7.4 40°57 | 8°4/ 15.2 | 18 | | 3375 | <i>Amy</i> | | 8 7.4 147°96 | 0°5/ 7.7 | 18 | |
| 6 30 | 21 30.96 | + 9 23.9 | 2.167 | 2.888 | 16.5 | 19.0 | 6 30 | 21 38.05 | -12 49.0 | 1.370 | 2.215 | 18.7 | 17.4 |
| 7 10 | 21 27.64 | +10 3.4 | 2.090 | 2.896 | 14.5 | 18.8 | 7 10 | 21 34.31 | -13 7.6 | 1.298 | 2.217 | 14.7 | 17.1 |
| 7 20 | 21 22.53 | +10 21.9 | 2.030 | 2.904 | 12.2 | 18.7 | 7 20 | 21 27.64 | -13 41.4 | 1.245 | 2.218 | 10.1 | 16.9 |
| 7 30 | 21 16.08 | +10 17.0 | 1.991 | 2.913 | 10.1 | 18.6 | 7 30 | 21 18.65 | -14 26.8 | 1.214 | 2.220 | 4.8 | 16.6 |
| 8 9 | 21 8.95 | + 9 48.6 | 1.975 | 2.921 | 8.7 | 18.5 | 8 9 | 21 8.49 | -15 17.5 | 1.208 | 2.222 | 0.9 | 16.3 |
| 8 19 | 21 1.91 | + 8 58.9 | 1.983 | 2.930 | 8.5 | 18.5 | 8 19 | 20 58.49 | -16 6.8 | 1.227 | 2.223 | 6.2 | 16.7 |
| 8 29 | 20 55.76 | + 7 52.4 | 2.016 | 2.939 | 9.7 | 18.6 | 8 29 | 20 50.06 | -16 48.8 | 1.270 | 2.224 | 11.3 | 17.0 |
| 9 8 | 20 51.13 | + 6 35.5 | 2.074 | 2.949 | 11.6 | 18.7 | 9 8 | 20 44.25 | -17 19.4 | 1.334 | 2.225 | 15.7 | 17.2 |
| 378833 | 2008 <i>SV</i> ₂₈₁ | | 8 7.4 230°56 | 3°9/ 9.7 | 18 | | 361423 | 2006 <i>XC</i> ₇ | | 8 7.4 222°20 | 0°3/ 7.7 | 18 | |
| 6 30 | 21 38.44 | - 6 13.3 | 2.089 | 2.881 | 14.9 | 20.9 | 6 30 | 21 34.53 | -13 43.5 | 2.693 | 3.505 | 11.4 | 22.2 |
| 7 10 | 21 33.61 | - 5 38.7 | 1.993 | 2.873 | 12.2 | 20.7 | 7 10 | 21 30.13 | -13 58.5 | 2.595 | 3.496 | 9.0 | 22.0 |
| 7 20 | 21 26.66 | - 5 15.5 | 1.919 | 2.864 | 9.1 | 20.5 | 7 20 | 21 24.09 | -14 21.0 | 2.520 | 3.486 | 6.1 | 21.8 |
| 7 30 | 21 18.06 | - 5 4.1 | 1.868 | 2.856 | 5.9 | 20.3 | 7 30 | 21 16.81 | -14 48.8 | 2.472 | 3.476 | 2.9 | 21.6 |
| 8 9 | 21 8.57 | - 5 3.7 | 1.844 | 2.846 | 3.9 | 20.2 | 8 9 | 21 8.86 | -15 19.1 | 2.452 | 3.466 | 0.5 | 21.4 |
| 8 19 | 20 59.06 | - 5 12.3 | 1.848 | 2.837 | 5.5 | 20.2 | 8 19 | 21 0.91 | -15 48.8 | 2.462 | 3.455 | 3.8 | 21.6 |
| 8 29 | 20 50.52 | - 5 27.1 | 1.880 | 2.827 | 8.7 | 20.4 | 8 29 | 20 53.68 | -16 15.2 | 2.499 | 3.443 | 7.0 | 21.8 |
| 9 8 | 20 43.72 | - 5 44.5 | 1.935 | 2.817 | 12.0 | 20.6 | 9 8 | 20 47.78 | -16 36.2 | 2.563 | 3.432 | 9.9 | 22.0 |
| 423764 | 2006 <i>DP</i> ₁₀₀ | | 8 7.4 5°92 | 7°2/ 5.9 | 16 | | 11101 | <i>Česká filharmonie</i> | | 8 7.4 107°49 | 6°0/ 12.5 | 18 | |
| 6 30 | 21 42.08 | -32 57.8 | 1.032 | 1.915 | 20.7 | 19.6 | 6 30 | 21 33.44 | + 2 45.2 | 1.921 | 2.687 | 16.9 | 18.2 |
| 7 10 | 21 38.40 | -32 37.9 | 0.979 | 1.915 | 16.7 | 19.4 | 7 10 | 21 29.78 | + 2 48.3 | 1.843 | 2.696 | 14.3 | 18.0 |
| 7 20 | 21 30.67 | -32 7.2 | 0.942 | 1.917 | 12.3 | 19.1 | 7 20 | 21 24.08 | + 2 30.1 | 1.784 | 2.705 | 11.3 | 17.8 |
| 7 30 | 21 20.01 | -31 17.6 | 0.925 | 1.922 | 8.4 | 18.9 | 7 30 | 21 16.85 | + 1 49.8 | 1.747 | 2.713 | 8.2 | 17.7 |
| 8 9 | 21 8.25 | -30 4.5 | 0.930 | 1.929 | 7.5 | 18.9 | 8 9 | 21 8.86 | + 0 49.6 | 1.735 | 2.722 | 6.2 | 17.6 |
| 8 19 | 20 57.39 | -28 28.7 | 0.957 | 1.938 | 10.5 | 19.1 | 8 19 | 21 0.97 | + 0 25.9 | 1.750 | 2.730 | 6.6 | 17.6 |
| 8 29 | 20 49.17 | -26 35.8 | 1.005 | 1.949 | 14.8 | 19.4 | 8 29 | 20 54.11 | + 1 50.4 | 1.790 | 2.738 | 9.0 | 17.8 |
| 9 8 | 20 44.58 | -24 33.8 | 1.073 | 1.962 | 18.8 | 19.7 | 9 8 | 20 49.01 | + 3 16.8 | 1.855 | 2.746 | 12.0 | 18.0 |
| 331878 | 2004 <i>CD</i> ₁₅ | | 8 7.4 204°06 | 0°1/ 7.3 | 18 | | 306009 | 2010 <i>CJ</i> ₁₂₇ | | 8 7.4 53°61 | 3°6/ 9.4 | 17 | |
| 6 30 | 21 35.92 | -12 58.0 | 1.712 | 2.546 | 16.0 | 20.9 | 6 30 | 21 36.03 | - 6 42.9 | 1.104 | 1.952 | 22.1 | 20.7 |
| 7 10 | 21 32.15 | -13 40.5 | 1.630 | 2.544 | 12.6 | 20.6 | 7 10 | 21 33.01 | - 6 44.3 | 1.051 | 1.966 | 17.7 | 20.5 |
| 7 20 | 21 25.93 | -14 37.3 | 1.570 | 2.541 | 8.5 | 20.4 | 7 20 | 21 26.82 | - 7 9.5 | 1.015 | 1.981 | 12.7 | 20.3 |
| 7 30 | 21 17.80 | -15 44.3 | 1.533 | 2.539 | 4.0 | 20.1 | 7 30 | 21 18.25 | - 7 56.3 | 0.998 | 1.997 | 7.3 | 20.0 |
| 8 9 | 21 8.63 | -16 55.1 | 1.522 | 2.536 | 0.8 | 19.9 | 8 9 | 21 8.60 | - 8 58.7 | 1.003 | 2.013 | 3.6 | 19.9 |
| 8 19 | 20 59.50 | -18 3.1 | 1.539 | 2.532 | 5.6 | 20.2 | 8 19 | 20 59.37 | -10 8.1 | 1.031 | 2.029 | 6.7 | 20.1 |
| 8 29 | 20 51.56 | -19 2.3 | 1.581 | 2.529 | 10.0 | 20.5 | 8 29 | 20 52.01 | -11 15.9 | 1.082 | 2.045 | 11.7 | 20.4 |
| 9 8 | 20 45.73 | -19 48.8 | 1.647 | 2.525 | 13.9 | 20.7 | 9 8 | 20 47.52 | -12 14.8 | 1.154 | 2.062 | 16.3 | 20.8 |
| 325623 | 2009 <i>SM</i> ₂₅₆ | | 8 7.4 182°76 | 2°6/ 9.9 | 18 | | 257453 | 4003 <i>T</i> ₋₃ | | 8 7.4 275°87 | 0°5/ 7.9 | 18 | |
| 6 30 | 21 31.28 | - 5 43.1 | 2.516 | 3.309 | 12.7 | 21.6 | 6 30 | 21 32.09 | -12 11.6 | 2.366 | 3.185 | 12.6 | 20.9 |
| 7 10 | 21 27.65 | - 5 51.0 | 2.427 | 3.309 | 10.2 | 21.4 | 7 10 | 21 28.54 | -12 36.6 | 2.266 | 3.170 | 9.9 | 20.7 |
| 7 20 | 21 22.43 | - 6 11.3 | 2.360 | 3.309 | 7.5 | 21.2 | 7 20 | 21 23.20 | -13 12.1 | 2.188 | 3.155 | 6.8 | 20.5 |
| 7 30 | 21 16.01 | - 6 42.9 | 2.318 | 3.309 | 4.6 | 21.0 | 7 30 | 21 16.45 | -13 55.6 | 2.136 | 3.140 | 3.3 | 20.3 |
| 8 9 | 21 8.99 | - 7 23.5 | 2.303 | 3.309 | 2.6 | 20.9 | 8 9 | 21 8.93 | -14 43.6 | 2.111 | 3.124 | 0.7 | 20.0 |
| 8 19 | 21 2.01 | - 8 9.8 | 2.316 | 3.308 | 4.1 | 21.0 | 8 19 | 21 1.36 | -15 32.2 | 2.114 | 3.108 | 4.2 | 20.3 |
| 8 29 | 20 55.77 | - 8 58.1 | 2.357 | 3.308 | 7.0 | 21.2 | 8 29 | 20 54.54 | -16 17.2 | 2.145 | 3.093 | 7.7 | 20.5 |
| 9 8 | 20 50.86 | - 9 44.7 | 2.423 | 3.308 | 9.8 | 21.4 | 9 8 | 20 49.16 | -16 55.6 | 2.200 | 3.077 | 10.9 | 20.6 |
| 262199 | 2006 <i>SY</i> ₁₆₇ | | 8 7.4 279°31 | 2°7/ 8.9 | 18 | | 77692 | 2001 <i>NQ</i> ₁₄ | | 8 7.4 164°22 | 3°4/ 4.4 | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|----------|---------|------|
| 480335 | 2015 <i>JC</i> ₁₀ | | 8 7.4 240°12 | 6°0/11.3 | 18 | | 371611 | 2006 <i>XN</i> ₁₉ | | 8 7.4 156°18 | 0°4/ 7.7 | 17 | |
| 6 30 | 21 36.08 | - 0 3.7 | 2.047 | 2.818 | 15.9 | 21.3 | 6 30 | 21 37.79 | -12 56.6 | 1.894 | 2.718 | 15.1 | 21.7 |
| 7 10 | 21 31.88 | + 0 33.9 | 1.951 | 2.808 | 13.4 | 21.1 | 7 10 | 21 33.26 | -13 18.9 | 1.817 | 2.724 | 11.9 | 21.5 |
| 7 20 | 21 25.57 | + 0 55.6 | 1.873 | 2.797 | 10.6 | 20.9 | 7 20 | 21 26.49 | -13 52.5 | 1.760 | 2.729 | 8.1 | 21.3 |
| 7 30 | 21 17.61 | + 1 0.0 | 1.819 | 2.787 | 7.8 | 20.7 | 7 30 | 21 18.02 | -14 34.2 | 1.729 | 2.734 | 3.9 | 21.0 |
| 8 9 | 21 8.71 | + 0 47.0 | 1.789 | 2.776 | 6.0 | 20.6 | 8 9 | 21 8.70 | -15 19.4 | 1.724 | 2.738 | 0.7 | 20.8 |
| 8 19 | 20 59.75 | + 0 18.7 | 1.787 | 2.764 | 6.8 | 20.6 | 8 19 | 20 59.52 | -16 3.2 | 1.747 | 2.742 | 5.0 | 21.1 |
| 8 29 | 20 51.69 | - 0 21.2 | 1.810 | 2.753 | 9.3 | 20.7 | 8 29 | 20 51.50 | -16 41.4 | 1.797 | 2.745 | 9.0 | 21.4 |
| 9 8 | 20 45.35 | - 1 7.5 | 1.858 | 2.741 | 12.3 | 20.9 | 9 8 | 20 45.42 | -17 11.1 | 1.871 | 2.748 | 12.6 | 21.6 |
| 386851 | 2010 <i>ME</i> ₇₅ | | 8 7.4 67°79 | 4°5/10.8 | 17 | | 105442 | 2000 <i>QW</i> ₁₈₀ | | 8 7.4 302°19 | 0°2/ 7.5 | 18 | |
| 6 30 | 21 34.45 | - 2 40.1 | 1.798 | 2.594 | 16.8 | 21.2 | 6 30 | 21 34.94 | -14 29.1 | 1.616 | 2.460 | 16.3 | 18.9 |
| 7 10 | 21 30.58 | - 2 32.8 | 1.733 | 2.612 | 13.8 | 21.1 | 7 10 | 21 31.73 | -14 36.1 | 1.521 | 2.440 | 13.0 | 18.6 |
| 7 20 | 21 24.60 | - 2 43.7 | 1.687 | 2.629 | 10.3 | 20.9 | 7 20 | 21 25.90 | -14 54.4 | 1.446 | 2.420 | 8.9 | 18.3 |
| 7 30 | 21 17.07 | - 3 12.4 | 1.663 | 2.647 | 6.8 | 20.7 | 7 30 | 21 17.92 | -15 21.2 | 1.394 | 2.400 | 4.3 | 18.0 |
| 8 9 | 21 8.84 | - 3 55.9 | 1.665 | 2.665 | 4.6 | 20.6 | 8 9 | 21 8.70 | -15 52.3 | 1.366 | 2.380 | 0.8 | 17.7 |
| 8 19 | 21 0.84 | - 4 49.7 | 1.693 | 2.682 | 5.7 | 20.7 | 8 19 | 20 59.35 | -16 22.5 | 1.364 | 2.360 | 5.8 | 18.0 |
| 8 29 | 20 54.01 | - 5 48.3 | 1.747 | 2.700 | 8.8 | 21.0 | 8 29 | 20 51.17 | -16 47.4 | 1.387 | 2.341 | 10.6 | 18.2 |
| 9 8 | 20 49.05 | - 6 46.1 | 1.825 | 2.718 | 12.0 | 21.2 | 9 8 | 20 45.20 | -17 3.5 | 1.432 | 2.322 | 14.9 | 18.4 |
| 373175 | 2012 <i>DC</i> ₃₂ | | 8 7.4 105°44 | 1°3/ 6.5 | 17 | | 517024 | 2012 <i>UE</i> ₁₆₉ | | 8 7.4 274°41 | 0°7/ 7.9 | 18 | |
| 6 30 | 21 39.08 | -15 46.4 | 1.607 | 2.447 | 16.6 | 21.5 | 6 30 | 21 34.80 | -11 15.6 | 2.040 | 2.860 | 14.3 | 22.1 |
| 7 10 | 21 34.54 | -16 36.8 | 1.547 | 2.465 | 12.9 | 21.3 | 7 10 | 21 31.12 | -11 46.9 | 1.929 | 2.833 | 11.4 | 21.9 |
| 7 20 | 21 27.44 | -17 38.7 | 1.507 | 2.482 | 8.6 | 21.1 | 7 20 | 21 25.25 | -12 32.1 | 1.840 | 2.806 | 7.9 | 21.6 |
| 7 30 | 21 18.45 | -18 46.1 | 1.491 | 2.498 | 3.9 | 20.8 | 7 30 | 21 17.57 | -13 28.9 | 1.775 | 2.778 | 3.9 | 21.3 |
| 8 9 | 21 8.59 | -19 52.0 | 1.502 | 2.514 | 1.8 | 20.7 | 8 9 | 21 8.76 | -14 32.8 | 1.737 | 2.750 | 0.8 | 21.0 |
| 8 19 | 20 59.03 | -20 49.7 | 1.540 | 2.530 | 6.1 | 21.0 | 8 19 | 20 59.72 | -15 38.5 | 1.726 | 2.721 | 4.9 | 21.3 |
| 8 29 | 20 50.94 | -21 34.6 | 1.603 | 2.545 | 10.3 | 21.3 | 8 29 | 20 51.48 | -16 40.5 | 1.743 | 2.692 | 9.2 | 21.5 |
| 9 8 | 20 45.16 | -22 4.7 | 1.689 | 2.559 | 14.0 | 21.6 | 9 8 | 20 44.97 | -17 34.0 | 1.784 | 2.662 | 13.0 | 21.6 |
| 271065 | 2003 <i>HF</i> ₁₉ | | 8 7.4 11°85 | 6°5/11.6 | 16 | | 437994 | 2003 <i>UL</i> ₁₂ | | 8 7.4 281°67 | 4°9/12.9 | 16 | |
| 6 30 | 21 28.18 | - 1 31.1 | 1.181 | 2.017 | 21.6 | 20.4 | 6 30 | 21 33.91 | + 6 22.6 | 3.697 | 4.391 | 10.6 | 24.0 |
| 7 10 | 21 26.79 | - 1 4.7 | 1.120 | 2.021 | 18.0 | 20.2 | 7 10 | 21 29.37 | + 6 28.6 | 3.549 | 4.347 | 9.2 | 23.9 |
| 7 20 | 21 22.63 | - 1 4.7 | 1.074 | 2.027 | 13.8 | 20.0 | 7 20 | 21 23.51 | + 6 21.8 | 3.423 | 4.302 | 7.6 | 23.7 |
| 7 30 | 21 16.33 | - 1 32.3 | 1.048 | 2.033 | 9.6 | 19.8 | 7 30 | 21 16.58 | + 6 1.2 | 3.322 | 4.256 | 6.1 | 23.5 |
| 8 9 | 21 8.97 | - 2 24.7 | 1.042 | 2.042 | 6.7 | 19.6 | 8 9 | 21 8.97 | + 5 26.7 | 3.248 | 4.208 | 5.0 | 23.4 |
| 8 19 | 21 1.83 | - 3 35.5 | 1.059 | 2.052 | 7.7 | 19.7 | 8 19 | 21 1.16 | + 4 39.5 | 3.203 | 4.160 | 5.2 | 23.4 |
| 8 29 | 20 56.20 | - 4 55.5 | 1.098 | 2.063 | 11.4 | 20.0 | 8 29 | 20 53.67 | + 3 41.9 | 3.188 | 4.111 | 6.5 | 23.4 |
| 9 8 | 20 53.05 | - 6 14.8 | 1.158 | 2.075 | 15.4 | 20.3 | 9 8 | 20 47.03 | + 2 37.4 | 3.201 | 4.061 | 8.4 | 23.4 |
| 25336 | 1999 <i>OR</i> ₂ | | 8 7.4 230°62 | 4°9/ 9.9 | 18 | | 163788 | 2003 <i>QA</i> ₄₀ | | 8 7.4 358°90 | 4°7/ 5.8 | 18 | |
| 6 30 | 21 40.00 | - 5 7.0 | 1.759 | 2.556 | 17.1 | 18.3 | 6 30 | 21 41.61 | -27 31.3 | 1.339 | 2.204 | 17.9 | 18.9 |
| 7 10 | 21 35.26 | - 4 22.4 | 1.668 | 2.549 | 14.1 | 18.0 | 7 10 | 21 37.29 | -27 26.9 | 1.272 | 2.201 | 14.2 | 18.6 |
| 7 20 | 21 28.04 | - 3 51.5 | 1.596 | 2.541 | 10.7 | 17.8 | 7 20 | 21 29.69 | -27 20.0 | 1.223 | 2.199 | 9.9 | 18.4 |
| 7 30 | 21 18.82 | - 3 35.3 | 1.547 | 2.532 | 7.1 | 17.6 | 7 30 | 21 19.61 | -27 4.4 | 1.197 | 2.198 | 5.9 | 18.2 |
| 8 9 | 21 8.51 | - 3 33.6 | 1.524 | 2.523 | 5.0 | 17.4 | 8 9 | 21 8.42 | -26 34.8 | 1.194 | 2.198 | 5.0 | 18.1 |
| 8 19 | 20 58.17 | - 3 44.3 | 1.527 | 2.514 | 6.5 | 17.5 | 8 19 | 20 57.68 | -25 49.1 | 1.216 | 2.199 | 8.4 | 18.3 |
| 8 29 | 20 48.98 | - 4 3.9 | 1.556 | 2.504 | 10.1 | 17.7 | 8 29 | 20 48.91 | -24 48.2 | 1.261 | 2.201 | 12.7 | 18.6 |
| 9 8 | 20 41.89 | - 4 27.8 | 1.608 | 2.494 | 13.8 | 17.9 | 9 8 | 20 43.10 | -23 35.8 | 1.327 | 2.204 | 16.7 | 18.8 |
| 94261 | 2001 <i>CL</i> ₄₀ | | 8 7.4 280°29 | 4°6/ 2.9 | 18 | | 237031 | 2008 <i>ST</i> ₇₁ | | 8 7.4 223°92 | 0°0/ 7.3 | 18 | |
| 6 30 | 21 33.58 | -26 41.3 | 2.290 | 3.137 | 12.0 | 19.4 | 6 30 | 21 37.47 | -14 36.0 | 2.261 | 3.079 | 13.1 | 21.9 |
| 7 10 | 21 29.89 | -27 57.4 | 2.214 | 3.134 | 9.4 | 19.2 | 7 10 | 21 32.79 | -14 51.5 | 2.164 | 3.069 | 10.3 | 21.7 |
| 7 20 | 21 24.19 | -29 16.1 | 2.162 | 3.130 | 6.8 | 19.1 | 7 20 | 21 26.10 | -15 15.4 | 2.090 | 3.058 | 7.0 | 21.4 |
| 7 30 | 21 16.94 | -30 31.3 | 2.135 | 3.127 | 4.8 | 18.9 | 7 30 | 21 17.85 | -15 45.0 | 2.042 | 3.047 | 3.3 | 21.2 |
| 8 9 | 21 8.87 | -31 36.7 | 2.136 | 3.124 | 5.1 | 18.9 | 8 9 | 21 8.74 | -16 16.7 | 2.022 | 3.035 | 0.6 | 21.0 |
| 8 19 | 21 0.85 | -32 27.5 | 2.164 | 3.120 | 7.3 | 19.1 | 8 19 | 20 59.62 | -16 46.8 | 2.030 | 3.023 | 4.5 | 21.2 |
| 8 29 | 20 53.76 | -33 0.7 | 2.218 | 3.117 | 10.0 | 19.2 | 8 29 | 20 51.40 | -17 12.1 | 2.066 | 3.010 | 8.3 | 21.4 |
| 9 8 | 20 48.38 | -33 16.1 | 2.294 | 3.114 | 12.6 | 19.4 | 9 8 | 20 44.82 | -17 30.2 | 2.126 | 2.996 | 11.6 | 21.6 |
| 42175 | 2001 <i>CR</i> ₂₁ | | 8 7.4 128°40 | 1°9/ 5.8 | 18 | | 112530 | 2002 <i>PH</i> ₃₆ | | 8 7.4 102°83 | 0°9/ 8.0 | 18 | |
| 6 30 | 21 35.15 | -21 5.1 | 2.535 | 3.367 | 11.5 | 19.8 | 6 30 | 21 36.21 | -12 42.6 | 1.934 | 2.759 | 14.8 | 20.0 |
| 7 10 | 21 30.65 | -21 34.4 | 2.461 | 3.375 | 8.9 | 19.6 | 7 10 | 21 31.96 | -12 46.6 | 1.857 | 2.764 | 11.6 | 19.8 |
| 7 20 | 21 24.42 | -22 7.3 | 2.410 | 3.382 | 5.9 | 19.4 | 7 20 | 21 25.56 | -13 0.8 | 1.801 | 2.769 | 8.0 | 19.6 |
| 7 30 | 21 16.95 | -22 40.1 | 2.385 | 3.389 | 3.0 | 19.2 | 7 30 | 21 17.57 | -13 22.7 | 1.770 | 2.773 | 4.0 | 19.3 |
| 8 9 | 21 8.89 | -23 9.0 | 2.388 | 3.396 | 2.2 | 19.2 | 8 9 | 21 8.80 | -13 48.9 | 1.765 | 2.778 | 1.0 | 19.1 |
| 8 19 | 21 0.98 | -23 31.1 | 2.420 | 3.403 | 4.8 | 19.4 | 8 19 | 21 0.19 | -14 15.7 | 1.788 | 2.783 | 4.7 | 19.4 |
| 8 29 | 20 53.96 | -23 44.1 | 2.480 | 3.409 | 7.8 | 19.6 | 8 29 | 20 52.69 | -14 39.4 | 1.837 | 2.787 | 8.6 | 19.6 |
| 9 8 | 20 48.44 | -23 47.5 | 2.564 | 3.416 | 10.4 | 19.8 | 9 8 | 20 47.05 | -14 57.4 | 1.910 | 2.792 | 12.1 | 19.9 |
| 42624 | 1998 <i>FJ</i> ₂₈ | | 8 7.4 92°46 | 2°6/ 9.1 | 18 | | 10941 | 1999 <i>CD</i> ₇₉ | | 8 7.4 340°78 | 1°6/ 8.7 | 18 | |
| 6 30 | 21 36.45 | - 7 32.6 | 1.486 | 2.312 | 18.4 | 19.0 | 6 30 | 21 31.98 | - 8 59.5 | 1.897 | 2.719 | 15.1 | 18.2 |
| 7 10 | 21 32.70 | - 7 45.0 | 1.418 | 2.322 | 14.7 | 18.8 | 7 10 | 21 28.80 | - 9 22.9 | 1.814 | 2.717 | 12.1 | 18.0 |
| 7 20 | 21 26.34 | - 8 16.0 | 1.369 | 2.332 | 10.5 | 18.6 | 7 20 | 21 23.54 | -10 1.2 | 1.751 | 2.715 | 8.5 | 17.8 |
| 7 30 | 21 18.00 | - 9 3.4 | 1.342 | 2.341 | 5.9 | 18.4 | 7 30 | 21 16.67 | -10 52.1 | 1.712 | 2.713 | 4.5 | 17.5 |
| 8 9 | 21 8.69 | -10 2.1 | 1.340 | 2.351 | 2.6 | 18.2 | 8 9 | 21 8.96 | -11 51.2 | 1.699 | 2.711 | 1.6 | 17.3 |
| 8 19 | 20 59.60 | -11 5.8 | 1.364 | 2.360 | 5.7 | 18.4 | 8 19 | 21 1.31 | -12 53.3 | 1.713 | 2.709 | 4.7 | 17.5 |
| 8 29 | 20 51.93 | -12 7.6 | 1.413 | 2.370 | 10.1 | 18.7 | 8 29 | 20 54.65 | -13 53.1 | 1.753 | 2.708 | 8.7 | 17.8 |
| 9 8 | 20 46.58 | -13 2.0 | 1.484 | 2.379 | 14.2 | 18.9 | 9 8 | 20 49.76 | -14 45.8 | 1.818 | 2.707 | 12.3 | 18.0 |
| 476173 | 2007 <i>TB</i> ₄₂₇ | | 8 7.4 278°88 | 8°3/13.9 | 16 | | 521709 | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-----------------|-----------------|--------------|---------------|---------|------|---------------|-----------------|-----------------|--------------|-----------|---------|------|
| 50331 | 2000 CO_{56} | | 8 7.4 359°41 | 2°0/ 5.9 | 18 | | 455132 | 2015 VD_{96} | | 8 7.4 331°20 | 10°1/13.9 | 17 | |
| 6 30 | 21 29.61 | -16 41.4 | 1.411 | 2.278 | 17.0 | 17.5 | 6 30 | 21 31.44 | + 8 12.8 | 1.919 | 2.658 | 17.8 | 20.3 |
| 7 10 | 21 27.72 | -17 38.2 | 1.342 | 2.275 | 13.2 | 17.3 | 7 10 | 21 28.51 | + 9 32.1 | 1.825 | 2.643 | 15.8 | 20.1 |
| 7 20 | 21 23.21 | -18 48.7 | 1.292 | 2.273 | 8.8 | 17.0 | 7 20 | 21 23.48 | +10 32.5 | 1.748 | 2.628 | 13.6 | 19.9 |
| 7 30 | 21 16.63 | -20 6.5 | 1.265 | 2.272 | 4.2 | 16.8 | 7 30 | 21 16.74 | +11 9.3 | 1.691 | 2.613 | 11.6 | 19.7 |
| 8 9 | 21 8.98 | -21 23.4 | 1.262 | 2.273 | 2.6 | 16.7 | 8 9 | 21 9.01 | +11 20.1 | 1.657 | 2.600 | 10.3 | 19.6 |
| 8 19 | 21 1.46 | -22 31.3 | 1.283 | 2.274 | 7.0 | 16.9 | 8 19 | 21 1.17 | +11 4.6 | 1.645 | 2.587 | 10.3 | 19.6 |
| 8 29 | 20 55.31 | -23 23.8 | 1.328 | 2.276 | 11.5 | 17.2 | 8 29 | 20 54.20 | +10 25.9 | 1.656 | 2.574 | 11.7 | 19.7 |
| 9 8 | 20 51.49 | -23 57.8 | 1.395 | 2.280 | 15.5 | 17.5 | 9 8 | 20 48.97 | + 9 29.9 | 1.689 | 2.563 | 13.9 | 19.8 |
| 148138 | 1999 TW_{312} | | 8 7.4 | 4°23 2°4/ 6.5 | 18 | | 129625 | 1998 FJ_{133} | | 8 7.4 111°70 | 1°3/ 6.6 | 18 | |
| 6 30 | 21 44.32 | -24 41.1 | 1.900 | 2.735 | 14.6 | 18.6 | 6 30 | 21 38.65 | -18 13.8 | 1.841 | 2.678 | 14.9 | 19.8 |
| 7 10 | 21 38.31 | -24 17.1 | 1.821 | 2.735 | 11.4 | 18.4 | 7 10 | 21 33.98 | -18 35.5 | 1.771 | 2.687 | 11.6 | 19.6 |
| 7 20 | 21 29.82 | -23 51.6 | 1.764 | 2.736 | 7.8 | 18.2 | 7 20 | 21 26.99 | -19 4.2 | 1.723 | 2.696 | 7.7 | 19.4 |
| 7 30 | 21 19.54 | -23 21.3 | 1.733 | 2.737 | 4.0 | 17.9 | 7 30 | 21 18.27 | -19 35.5 | 1.699 | 2.705 | 3.6 | 19.2 |
| 8 9 | 21 8.47 | -22 43.3 | 1.729 | 2.738 | 2.6 | 17.9 | 8 9 | 21 8.76 | -20 4.8 | 1.702 | 2.714 | 1.7 | 19.0 |
| 8 19 | 20 57.75 | -21 56.6 | 1.753 | 2.740 | 5.9 | 18.1 | 8 19 | 20 59.48 | -20 27.6 | 1.732 | 2.722 | 5.6 | 19.3 |
| 8 29 | 20 48.49 | -21 2.0 | 1.804 | 2.742 | 9.7 | 18.3 | 8 29 | 20 51.48 | -20 41.3 | 1.788 | 2.730 | 9.5 | 19.6 |
| 9 8 | 20 41.48 | -20 1.2 | 1.880 | 2.745 | 13.1 | 18.5 | 9 8 | 20 45.55 | -20 44.7 | 1.868 | 2.738 | 12.9 | 19.8 |
| 291438 | 2006 DQ_{32} | | 8 7.4 124°00 | 1°2/ 6.6 | 17 | | 289391 | 2005 CJ_{36} | | 8 7.4 167°47 | 1°5/ 6.6 | 17 | |
| 6 30 | 21 38.92 | -18 3.0 | 2.071 | 2.900 | 13.8 | 21.6 | 6 30 | 21 40.77 | -18 10.7 | 1.589 | 2.432 | 16.6 | 21.3 |
| 7 10 | 21 33.88 | -18 26.1 | 2.001 | 2.913 | 10.7 | 21.4 | 7 10 | 21 36.10 | -18 31.4 | 1.515 | 2.434 | 13.0 | 21.1 |
| 7 20 | 21 26.75 | -18 55.4 | 1.954 | 2.926 | 7.1 | 21.2 | 7 20 | 21 28.69 | -19 0.3 | 1.462 | 2.436 | 8.7 | 20.9 |
| 7 30 | 21 18.09 | -19 27.1 | 1.932 | 2.938 | 3.3 | 21.0 | 7 30 | 21 19.16 | -19 32.8 | 1.432 | 2.438 | 4.1 | 20.6 |
| 8 9 | 21 8.75 | -19 56.8 | 1.938 | 2.950 | 1.5 | 20.9 | 8 9 | 21 8.59 | -20 3.1 | 1.427 | 2.439 | 1.9 | 20.4 |
| 8 19 | 20 59.63 | -20 20.8 | 1.972 | 2.961 | 5.1 | 21.2 | 8 19 | 20 58.21 | -20 26.2 | 1.450 | 2.440 | 6.3 | 20.7 |
| 8 29 | 20 51.68 | -20 36.4 | 2.033 | 2.972 | 8.7 | 21.4 | 8 29 | 20 49.31 | -20 38.7 | 1.497 | 2.441 | 10.8 | 21.0 |
| 9 8 | 20 45.58 | -20 42.5 | 2.119 | 2.983 | 11.8 | 21.6 | 9 8 | 20 42.85 | -20 39.4 | 1.567 | 2.441 | 14.7 | 21.2 |
| 186972 | 2004 RB_{177} | | 8 7.4 339°80 | 4°3/10.6 | 18 | | 512916 | 2016 XR_5 | | 8 7.4 178°96 | 5°5/12.8 | 18 | |
| 6 30 | 21 32.43 | - 3 27.1 | 2.117 | 2.909 | 14.8 | 19.8 | 6 30 | 21 33.26 | + 4 11.5 | 2.931 | 3.657 | 12.5 | 21.7 |
| 7 10 | 21 28.89 | - 3 5.7 | 2.030 | 2.906 | 12.2 | 19.6 | 7 10 | 21 28.97 | + 4 38.9 | 2.838 | 3.658 | 10.7 | 21.6 |
| 7 20 | 21 23.47 | - 2 58.7 | 1.962 | 2.903 | 9.2 | 19.4 | 7 20 | 21 23.24 | + 4 52.4 | 2.765 | 3.659 | 8.7 | 21.4 |
| 7 30 | 21 16.62 | - 3 6.2 | 1.918 | 2.900 | 6.3 | 19.2 | 7 30 | 21 16.45 | + 4 51.3 | 2.716 | 3.660 | 6.8 | 21.3 |
| 8 9 | 21 9.01 | - 3 26.9 | 1.900 | 2.898 | 4.4 | 19.1 | 8 9 | 21 9.10 | + 4 35.7 | 2.693 | 3.660 | 5.6 | 21.2 |
| 8 19 | 21 1.45 | - 3 58.2 | 1.908 | 2.895 | 5.4 | 19.2 | 8 19 | 21 1.77 | + 4 7.2 | 2.698 | 3.659 | 5.8 | 21.2 |
| 8 29 | 20 54.76 | - 4 36.2 | 1.942 | 2.893 | 8.2 | 19.3 | 8 29 | 20 55.08 | + 3 28.5 | 2.730 | 3.658 | 7.2 | 21.3 |
| 9 8 | 20 49.66 | - 5 16.4 | 2.001 | 2.891 | 11.3 | 19.5 | 9 8 | 20 49.55 | + 2 43.5 | 2.788 | 3.657 | 9.2 | 21.5 |
| 420380 | 2012 BA_{140} | | 8 7.4 275°34 | 6°4/ 3.8 | 17 | | 475438 | 2006 QD_{173} | | 8 7.4 252°43 | 1°9/ 6.0 | 18 | |
| 6 30 | 21 40.62 | -27 12.8 | 1.415 | 2.278 | 17.2 | 21.6 | 6 30 | 21 36.87 | -20 18.0 | 2.286 | 3.118 | 12.6 | 22.0 |
| 7 10 | 21 36.85 | -28 14.0 | 1.335 | 2.263 | 13.7 | 21.3 | 7 10 | 21 32.40 | -20 43.3 | 2.190 | 3.103 | 9.8 | 21.8 |
| 7 20 | 21 29.73 | -29 19.3 | 1.274 | 2.247 | 9.9 | 21.0 | 7 20 | 21 25.89 | -21 13.6 | 2.116 | 3.089 | 6.6 | 21.6 |
| 7 30 | 21 19.85 | -30 19.4 | 1.236 | 2.231 | 6.9 | 20.8 | 7 30 | 21 17.80 | -21 45.1 | 2.069 | 3.074 | 3.3 | 21.3 |
| 8 9 | 21 8.39 | -31 4.3 | 1.221 | 2.215 | 6.9 | 20.8 | 8 9 | 21 8.85 | -22 13.6 | 2.049 | 3.058 | 2.2 | 21.2 |
| 8 19 | 20 56.91 | -31 26.7 | 1.231 | 2.199 | 10.3 | 20.9 | 8 19 | 20 59.88 | -22 35.4 | 2.057 | 3.042 | 5.3 | 21.4 |
| 8 29 | 20 47.12 | -31 23.5 | 1.264 | 2.183 | 14.4 | 21.1 | 8 29 | 20 51.81 | -22 47.7 | 2.092 | 3.026 | 8.8 | 21.6 |
| 9 8 | 20 40.29 | -30 56.5 | 1.316 | 2.167 | 18.3 | 21.3 | 9 8 | 20 45.42 | -22 49.4 | 2.152 | 3.010 | 11.9 | 21.8 |
| 62724 | 2000 TL_{51} | | 8 7.4 307°47 | 3°7/ 4.3 | 18 | | 514257 | 2015 PP_{289} | | 8 7.4 44°60 | 4°1/ 3.8 | 18 | |
| 6 30 | 21 33.19 | -22 56.5 | 2.016 | 2.866 | 13.3 | 19.3 | 6 30 | 21 33.65 | -24 16.4 | 2.014 | 2.865 | 13.3 | 21.0 |
| 7 10 | 21 29.85 | -23 59.7 | 1.933 | 2.857 | 10.4 | 19.1 | 7 10 | 21 30.09 | -25 28.2 | 1.948 | 2.872 | 10.3 | 20.8 |
| 7 20 | 21 24.33 | -25 8.7 | 1.873 | 2.848 | 7.1 | 18.9 | 7 20 | 21 24.40 | -26 44.0 | 1.905 | 2.879 | 7.1 | 20.6 |
| 7 30 | 21 17.10 | -26 17.7 | 1.838 | 2.839 | 4.3 | 18.7 | 7 30 | 21 17.09 | -27 57.3 | 1.888 | 2.886 | 4.6 | 20.5 |
| 8 9 | 21 8.95 | -27 20.1 | 1.830 | 2.831 | 4.1 | 18.6 | 8 9 | 21 8.99 | -29 1.5 | 1.897 | 2.893 | 4.6 | 20.5 |
| 8 19 | 21 0.81 | -28 10.2 | 1.849 | 2.822 | 7.0 | 18.8 | 8 19 | 21 1.04 | -29 51.3 | 1.933 | 2.900 | 7.2 | 20.7 |
| 8 29 | 20 53.69 | -28 44.5 | 1.893 | 2.814 | 10.3 | 19.0 | 8 29 | 20 54.19 | -30 23.8 | 1.994 | 2.908 | 10.2 | 20.9 |
| 9 8 | 20 48.42 | -29 1.8 | 1.959 | 2.806 | 13.4 | 19.2 | 9 8 | 20 49.20 | -30 38.5 | 2.078 | 2.916 | 13.0 | 21.1 |
| 1450 | Raimonda | | 8 7.4 237°72 | 2°2/ 5.7 | 18 R | | 37667 | 1994 SZ_7 | | 8 7.5 260°81 | 0°1/ 7.5 | 18 | |
| 6 30 | 21 36.89 | -19 52.4 | 2.098 | 2.934 | 13.4 | 17.0 | 6 30 | 21 33.56 | -14 10.7 | 2.309 | 3.133 | 12.7 | 20.3 |
| 7 10 | 21 32.62 | -20 35.7 | 2.006 | 2.923 | 10.4 | 16.8 | 7 10 | 21 29.70 | -14 28.7 | 2.218 | 3.126 | 10.0 | 20.2 |
| 7 20 | 21 26.15 | -21 25.9 | 1.937 | 2.911 | 7.0 | 16.6 | 7 20 | 21 23.99 | -14 55.3 | 2.149 | 3.118 | 6.8 | 19.9 |
| 7 30 | 21 17.95 | -22 18.5 | 1.894 | 2.898 | 3.5 | 16.3 | 7 30 | 21 16.89 | -15 27.9 | 2.106 | 3.111 | 3.2 | 19.7 |
| 8 9 | 21 8.79 | -23 8.0 | 1.877 | 2.886 | 2.6 | 16.3 | 8 9 | 21 9.04 | -16 3.0 | 2.090 | 3.103 | 0.6 | 19.5 |
| 8 19 | 20 59.61 | -23 49.3 | 1.889 | 2.872 | 5.9 | 16.4 | 8 19 | 21 1.21 | -16 37.0 | 2.102 | 3.095 | 4.3 | 19.7 |
| 8 29 | 20 51.41 | -24 18.8 | 1.927 | 2.859 | 9.5 | 16.6 | 8 29 | 20 54.22 | -17 6.5 | 2.141 | 3.088 | 7.8 | 20.0 |
| 9 8 | 20 45.04 | -24 35.0 | 1.989 | 2.845 | 12.8 | 16.8 | 9 8 | 20 48.76 | -17 29.2 | 2.205 | 3.080 | 11.0 | 20.1 |
| 255010 | 2005 TM_{28} | | 8 7.4 187°48 | 0°0/ 7.3 | 18 | | 318710 | 2005 QQ_{133} | | 8 7.5 25°29 | 0°1/ 7.4 | 18 | |
| 6 30 | 21 32.81 | -14 17.2 | 2.956 | 3.768 | 10.5 | 21.3 | 6 30 | 21 32.95 | -14 46.3 | 1.580 | 2.429 | 16.4 | 20.4 |
| 7 10 | 21 28.64 | -14 42.3 | 2.866 | 3.768 | 8.2 | 21.1 | 7 10 | 21 29.84 | -15 3.5 | 1.517 | 2.440 | 12.8 | 20.2 |
| 7 20 | 21 23.03 | -15 14.1 | 2.800 | 3.767 | 5.5 | 21.0 | 7 20 | 21 24.34 | -15 31.7 | 1.475 | 2.451 | 8.6 | 20.0 |
| 7 30 | 21 16.34 | -15 50.5 | 2.761 | 3.765 | 2.6 | 20.8 | 7 30 | 21 17.08 | -16 7.2 | 1.456 | 2.463 | 4.0 | 19.7 |
| 8 9 | 21 9.11 | -16 28.5 | 2.750 | 3.763 | 0.5 | 20.6 | 8 9 | 21 9.01 | -16 44.7 | 1.462 | 2.476 | 0.8 | 19.5 |
| 8 19 | 21 1.92 | -17 5.0 | 2.769 | 3.761 | 3.5 | 20.8 | 8 19 | 21 1.22 | -17 19.3 | 1.494 | 2.489 | 5.4 | 19.9 |
| 8 29 | 20 55.38 | -17 37.5 | 2.817 | 3.759 | 6.4 | 21.0 | 8 29 | 20 54.75 | -17 46.7 | 1.550 | 2.503 | 9.7 | 20.2 |
| 9 8 | 20 50.04 | -18 4.0 | 2.890 | 3.756 | 9.0 | 21.2 | 9 8 | 20 50.40 | -18 4.4 | 1.629 | 2.518 | 13.4 | 20.4 |
| 99141 | 2001 FQ_{104} | | 8 7.4 153°96 | 1°6/ 9.0 | 18 | | 176987 | 2002 YQ_{27} | | 8 7.5 119°62 | 1°1/ 6.5 | 18 | |
| 6 30 | 21 31.01 | - 7 36.6 | 2.480 | 3 | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|---------------|------------|---------|------|---------------|------------------------|-----------------|---------------|----------|---------|------|
| 420031 | 2011 CV ₁₁₇ | | 8 7.5 78°77' | 4.7/ 5.0 | 17 | | 121908 | 2000 DD ₆₅ | | 8 7.5 268°88' | 1°0/ 8.3 | 18 | |
| 6 30 | 21 44.21 | -27 13.7 | 1.659 | 2.505 | 15.9 | 20.6 | 6 30 | 21 32.04 | -11 13.4 | 2.531 | 3.344 | 12.1 | 20.1 |
| 7 10 | 21 38.50 | -27 41.5 | 1.605 | 2.524 | 12.4 | 20.4 | 7 10 | 21 28.38 | -11 29.1 | 2.433 | 3.332 | 9.6 | 19.9 |
| 7 20 | 21 30.05 | -28 8.6 | 1.572 | 2.542 | 8.7 | 20.2 | 7 20 | 21 23.05 | -11 54.5 | 2.357 | 3.320 | 6.6 | 19.7 |
| 7 30 | 21 19.68 | -28 28.3 | 1.563 | 2.560 | 5.4 | 20.1 | 7 30 | 21 16.46 | -12 27.7 | 2.306 | 3.308 | 3.4 | 19.4 |
| 8 9 | 21 8.56 | -28 35.1 | 1.580 | 2.578 | 5.0 | 20.1 | 8 9 | 21 9.16 | -13 5.7 | 2.283 | 3.296 | 1.0 | 19.2 |
| 8 19 | 20 57.99 | -28 25.9 | 1.623 | 2.596 | 7.8 | 20.3 | 8 19 | 21 1.85 | -13 45.4 | 2.289 | 3.283 | 3.9 | 19.4 |
| 8 29 | 20 49.15 | -28 0.6 | 1.692 | 2.614 | 11.2 | 20.5 | 8 29 | 20 55.25 | -14 23.1 | 2.322 | 3.271 | 7.2 | 19.6 |
| 9 8 | 20 42.85 | -27 21.7 | 1.782 | 2.631 | 14.4 | 20.8 | 9 8 | 20 49.99 | -14 56.2 | 2.380 | 3.259 | 10.2 | 19.8 |
| 398951 | 2013 DK ₇ | | 8 7.5 338°65' | 0°0/ 7.3 | 18 | | 137848 | 2000 AT ₄₅ | | 8 7.5 266°63' | 1°2/ 8.2 | 18 | |
| 6 30 | 21 30.80 | -12 25.8 | 1.946 | 2.781 | 14.3 | 20.8 | 6 30 | 21 37.21 | -11 49.8 | 1.657 | 2.488 | 16.6 | 20.4 |
| 7 10 | 21 27.91 | -13 12.8 | 1.862 | 2.776 | 11.3 | 20.6 | 7 10 | 21 33.43 | -11 55.2 | 1.562 | 2.472 | 13.3 | 20.1 |
| 7 20 | 21 22.99 | -14 13.3 | 1.799 | 2.771 | 7.6 | 20.3 | 7 20 | 21 27.05 | -12 14.0 | 1.487 | 2.455 | 9.3 | 19.8 |
| 7 30 | 21 16.48 | -15 23.5 | 1.761 | 2.767 | 3.6 | 20.1 | 7 30 | 21 18.53 | -12 43.9 | 1.435 | 2.438 | 4.7 | 19.5 |
| 8 9 | 21 9.12 | -16 37.9 | 1.749 | 2.763 | 0.7 | 19.8 | 8 9 | 21 8.77 | -13 20.9 | 1.408 | 2.421 | 1.3 | 19.2 |
| 8 19 | 21 1.79 | -17 50.6 | 1.765 | 2.759 | 4.9 | 20.2 | 8 19 | 20 58.89 | -14 0.2 | 1.408 | 2.404 | 5.6 | 19.5 |
| 8 29 | 20 55.40 | -18 55.8 | 1.807 | 2.756 | 8.9 | 20.4 | 8 29 | 20 50.15 | -14 36.5 | 1.433 | 2.387 | 10.3 | 19.7 |
| 9 8 | 20 50.75 | -19 49.6 | 1.873 | 2.753 | 12.4 | 20.6 | 9 8 | 20 43.60 | -15 5.8 | 1.481 | 2.369 | 14.6 | 19.9 |
| 513694 | 2012 BL ₁₁₁ | | 8 7.5 240°16' | 0°1/ 7.4 | 18 | | 221 | Eos | | 8 7.5 343°25' | 0°7/ 8.1 | 18 | |
| 6 30 | 21 35.92 | -16 6.9 | 2.520 | 3.340 | 11.9 | 21.3 | 6 30 | 21 30.50 | -10 26.8 | 1.900 | 2.730 | 14.8 | 12.1 |
| 7 10 | 21 31.34 | -16 8.3 | 2.427 | 3.332 | 9.3 | 21.2 | 7 10 | 21 27.72 | -11 8.7 | 1.816 | 2.726 | 11.7 | 11.9 |
| 7 20 | 21 25.00 | -16 15.3 | 2.356 | 3.325 | 6.3 | 21.0 | 7 20 | 21 22.89 | -12 5.7 | 1.753 | 2.722 | 8.1 | 11.6 |
| 7 30 | 21 17.33 | -16 25.7 | 2.312 | 3.317 | 3.0 | 20.7 | 7 30 | 21 16.46 | -13 14.5 | 1.714 | 2.718 | 4.0 | 11.4 |
| 8 9 | 21 8.98 | -16 36.9 | 2.295 | 3.309 | 0.6 | 20.5 | 8 9 | 21 9.18 | -14 29.9 | 1.701 | 2.714 | 0.8 | 11.1 |
| 8 19 | 21 0.68 | -16 46.3 | 2.308 | 3.301 | 4.1 | 20.8 | 8 19 | 21 1.92 | -15 45.7 | 1.715 | 2.711 | 4.8 | 11.4 |
| 8 29 | 20 53.20 | -16 51.9 | 2.348 | 3.292 | 7.4 | 21.0 | 8 29 | 20 55.62 | -16 55.9 | 1.756 | 2.709 | 8.8 | 11.7 |
| 9 8 | 20 47.18 | -16 52.2 | 2.414 | 3.284 | 10.4 | 21.2 | 9 8 | 20 51.07 | -17 55.9 | 1.821 | 2.707 | 12.4 | 11.9 |
| 48425 | Tischendorf | | 8 7.5 194°57' | 0°5/ 7.1 | 18 | | 382074 | 2011 FY ₁₅ | | 8 7.5 118°29' | 2°3/ 5.7 | 17 | |
| 6 30 | 21 38.10 | -14 56.4 | 1.895 | 2.724 | 14.9 | 20.0 | 6 30 | 21 38.14 | -19 18.2 | 1.915 | 2.753 | 14.4 | 21.7 |
| 7 10 | 21 33.66 | -15 27.9 | 1.811 | 2.722 | 11.7 | 19.8 | 7 10 | 21 33.54 | -20 10.5 | 1.850 | 2.767 | 11.1 | 21.5 |
| 7 20 | 21 26.89 | -16 10.0 | 1.749 | 2.720 | 7.9 | 19.5 | 7 20 | 21 26.69 | -21 10.0 | 1.807 | 2.781 | 7.4 | 21.3 |
| 7 30 | 21 18.32 | -16 58.9 | 1.711 | 2.717 | 3.6 | 19.3 | 7 30 | 21 18.17 | -22 10.9 | 1.789 | 2.794 | 3.7 | 21.1 |
| 8 9 | 21 8.81 | -17 49.3 | 1.701 | 2.714 | 1.0 | 19.1 | 8 9 | 21 8.88 | -23 7.3 | 1.798 | 2.806 | 2.7 | 21.1 |
| 8 19 | 20 59.35 | -18 36.0 | 1.718 | 2.710 | 5.3 | 19.4 | 8 19 | 20 59.81 | -23 53.9 | 1.835 | 2.819 | 6.0 | 21.3 |
| 8 29 | 20 51.01 | -19 14.5 | 1.761 | 2.706 | 9.4 | 19.6 | 8 29 | 20 51.96 | -24 27.2 | 1.898 | 2.830 | 9.6 | 21.6 |
| 9 8 | 20 44.64 | -19 42.4 | 1.829 | 2.701 | 13.0 | 19.8 | 9 8 | 20 46.11 | -24 46.2 | 1.985 | 2.842 | 12.8 | 21.8 |
| 442170 | 2010 VE ₂₂₀ | | 8 7.5 293°79' | 0°3/ 7.2 | 17 | | 479559 | 2014 CT ₃ | | 8 7.5 38°41' | 0°9/ 7.9 | 16 | |
| 6 30 | 21 31.60 | -13 25.2 | 2.186 | 3.015 | 13.2 | 20.9 | 6 30 | 21 40.70 | -15 35.2 | 1.548 | 2.387 | 17.2 | 20.1 |
| 7 10 | 21 28.45 | -14 10.1 | 2.082 | 2.993 | 10.4 | 20.6 | 7 10 | 21 35.81 | -15 1.5 | 1.485 | 2.400 | 13.5 | 19.9 |
| 7 20 | 21 23.36 | -15 7.2 | 2.000 | 2.971 | 7.0 | 20.4 | 7 20 | 21 28.31 | -14 35.2 | 1.443 | 2.414 | 9.2 | 19.7 |
| 7 30 | 21 16.69 | -16 13.3 | 1.943 | 2.949 | 3.3 | 20.1 | 7 30 | 21 18.93 | -14 14.5 | 1.424 | 2.429 | 4.5 | 19.5 |
| 8 9 | 21 9.10 | -17 23.6 | 1.914 | 2.927 | 0.8 | 19.9 | 8 9 | 21 8.76 | -13 57.2 | 1.430 | 2.444 | 1.1 | 19.3 |
| 8 19 | 21 1.38 | -18 32.6 | 1.912 | 2.905 | 4.8 | 20.1 | 8 19 | 20 59.01 | -13 40.9 | 1.463 | 2.459 | 5.5 | 19.6 |
| 8 29 | 20 54.42 | -19 35.2 | 1.938 | 2.883 | 8.6 | 20.3 | 8 29 | 20 50.83 | -13 23.8 | 1.522 | 2.475 | 9.8 | 19.9 |
| 9 8 | 20 49.03 | -20 27.5 | 1.988 | 2.861 | 12.1 | 20.5 | 9 8 | 20 45.04 | -13 4.7 | 1.603 | 2.492 | 13.6 | 20.2 |
| 448599 | 2010 TZ ₁₄₅ | | 8 7.5 355°52' | 9°6/ 1.2 | 18 | | 15329 | Sabena | | 8 7.5 248°61' | 0°0/ 7.3 | 18 | |
| 6 30 | 21 39.94 | -39 36.5 | 1.733 | 2.581 | 15.3 | 20.0 | 6 30 | 21 33.63 | -14 45.0 | 2.523 | 3.343 | 11.9 | 19.3 |
| 7 10 | 21 35.78 | -40 39.0 | 1.674 | 2.577 | 12.9 | 19.8 | 7 10 | 21 29.62 | -15 2.1 | 2.428 | 3.334 | 9.3 | 19.1 |
| 7 20 | 21 28.61 | -41 32.5 | 1.634 | 2.574 | 10.8 | 19.7 | 7 20 | 21 23.89 | -15 26.8 | 2.356 | 3.324 | 6.3 | 18.9 |
| 7 30 | 21 19.16 | -42 7.8 | 1.617 | 2.572 | 9.7 | 19.6 | 7 30 | 21 16.85 | -15 56.5 | 2.309 | 3.314 | 3.0 | 18.6 |
| 8 9 | 21 8.67 | -42 17.9 | 1.623 | 2.571 | 10.1 | 19.7 | 8 9 | 21 9.12 | -16 28.1 | 2.291 | 3.304 | 0.6 | 18.4 |
| 8 19 | 20 58.57 | -41 59.4 | 1.653 | 2.570 | 11.9 | 19.8 | 8 19 | 21 1.40 | -16 58.3 | 2.301 | 3.294 | 4.1 | 18.7 |
| 8 29 | 20 50.24 | -41 13.4 | 1.704 | 2.570 | 14.2 | 19.9 | 8 29 | 20 54.44 | -17 24.2 | 2.339 | 3.284 | 7.4 | 18.9 |
| 9 8 | 20 44.64 | -40 4.5 | 1.775 | 2.571 | 16.6 | 20.1 | 9 8 | 20 48.88 | -17 43.7 | 2.402 | 3.273 | 10.4 | 19.0 |
| 471089 | 2010 AA ₂₁ | | 8 7.5 230°19' | 0°3/ 7.7 | 18 | | 304424 | 2006 TJ ₇₄ | | 8 7.5 273°21' | 7°0/ 1.3 | 18 | |
| 6 30 | 21 37.04 | -13 38.2 | 1.962 | 2.788 | 14.6 | 21.9 | 6 30 | 21 37.55 | -33 32.4 | 2.110 | 2.955 | 13.0 | 20.9 |
| 7 10 | 21 32.78 | -13 54.8 | 1.872 | 2.779 | 11.5 | 21.7 | 7 10 | 21 33.44 | -34 50.3 | 2.032 | 2.943 | 10.6 | 20.8 |
| 7 20 | 21 26.29 | -14 21.9 | 1.802 | 2.771 | 7.9 | 21.4 | 7 20 | 21 26.88 | -36 6.4 | 1.977 | 2.931 | 8.4 | 20.6 |
| 7 30 | 21 18.05 | -14 56.6 | 1.757 | 2.762 | 3.8 | 21.2 | 7 30 | 21 18.38 | -37 13.2 | 1.947 | 2.919 | 7.1 | 20.5 |
| 8 9 | 21 8.86 | -15 34.9 | 1.739 | 2.752 | 0.7 | 20.9 | 8 9 | 21 8.83 | -38 3.4 | 1.942 | 2.906 | 7.6 | 20.5 |
| 8 19 | 20 59.66 | -16 12.2 | 1.748 | 2.743 | 5.0 | 21.2 | 8 19 | 20 59.30 | -38 32.2 | 1.963 | 2.894 | 9.6 | 20.6 |
| 8 29 | 20 51.49 | -16 44.5 | 1.785 | 2.733 | 9.1 | 21.4 | 8 29 | 20 50.94 | -38 37.7 | 2.008 | 2.881 | 12.1 | 20.7 |
| 9 8 | 20 45.20 | -17 8.9 | 1.845 | 2.722 | 12.7 | 21.7 | 9 8 | 20 44.68 | -38 21.4 | 2.074 | 2.868 | 14.6 | 20.9 |
| 166695 | 2002 TL ₁₆₄ | | 8 7.5 241°75' | 18°8/ 21.9 | 18 | | 342789 | 2008 WH ₁₂₂ | | 8 7.5 348°46' | 1°2/ 7.1 | 18 | |
| 6 30 | 21 47.90 | -47 43.4 | 1.127 | 1.981 | 21.3 | 19.6 | 6 30 | 21 36.67 | -20 18.5 | 1.216 | 2.088 | 18.9 | 19.3 |
| 7 10 | 21 45.43 | -51 11.9 | 1.090 | 1.975 | 19.6 | 19.5 | 7 10 | 21 33.75 | -19 51.1 | 1.143 | 2.077 | 14.9 | 19.0 |
| 7 20 | 21 37.37 | -54 23.6 | 1.071 | 1.969 | 18.8 | 19.4 | 7 20 | 21 27.57 | -19 27.6 | 1.087 | 2.068 | 10.2 | 18.7 |
| 7 30 | 21 24.11 | -56 56.6 | 1.070 | 1.963 | 19.2 | 19.4 | 7 30 | 21 18.82 | -19 4.6 | 1.052 | 2.060 | 4.8 | 18.4 |
| 8 9 | 21 7.67 | -58 33.3 | 1.087 | 1.957 | 20.6 | 19.5 | 8 9 | 21 8.76 | -18 38.2 | 1.041 | 2.054 | 1.6 | 18.2 |
| 8 19 | 20 51.31 | -59 6.6 | 1.120 | 1.950 | 22.6 | 19.6 | 8 19 | 20 58.91 | -18 5.9 | 1.053 | 2.049 | 7.0 | 18.5 |
| 8 29 | 20 38.49 | -58 40.8 | 1.167 | 1.944 | 24.8 | 19.7 | 8 29 | 20 50.85 | -17 26.8 | 1.087 | 2.045 | 12.3 | 18.8 |
| 9 8 | 20 31.32 | -57 28.4 | 1.225 | 1.937 | 26.8 | 19.9 | 9 8 | 20 45.70 | -16 41.1 | 1.142 | 2.043 | 16.9 | 19.0 |
| 513109 | 2017 WD ₂₆ | | 8 7.5 211°97' | 1°4/ 8.7 | 18 | | 82324 | 2001 LF ₁ | | 8 7.5 73°47' | 1°0/ 8.1 | 18 | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|---------------|-------------------------------|-----------------|--------------|-------------|---------|------|
| 284286 | 2006 <i>KR</i> ₂₁ | | 8 7.5 40°83 | 3:7/ 5.1 18 | | | 377673 | 2005 <i>UG</i> ₃₅₈ | | 8 7.5 200°49 | 2:3/ 9.2 17 | | |
| 6 30 | 21 36.15 | -22 30.3 | 1.599 | 2.457 | 15.8 | 20.4 | 6 30 | 21 36.87 | - 8 3.8 | 2.029 | 2.834 | 14.9 | 22.3 |
| 7 10 | 21 32.48 | -23 19.1 | 1.538 | 2.466 | 12.3 | 20.2 | 7 10 | 21 32.51 | - 8 8.2 | 1.939 | 2.831 | 12.0 | 22.1 |
| 7 20 | 21 26.23 | -24 13.2 | 1.498 | 2.475 | 8.3 | 20.0 | 7 20 | 21 26.04 | - 8 25.9 | 1.871 | 2.827 | 8.6 | 21.9 |
| 7 30 | 21 18.03 | -25 6.0 | 1.481 | 2.484 | 4.7 | 19.8 | 7 30 | 21 17.94 | - 8 55.7 | 1.827 | 2.823 | 4.9 | 21.7 |
| 8 9 | 21 8.93 | -25 50.5 | 1.489 | 2.493 | 4.1 | 19.8 | 8 9 | 21 8.97 | - 9 34.4 | 1.809 | 2.819 | 2.3 | 21.5 |
| 8 19 | 21 0.11 | -26 21.3 | 1.523 | 2.503 | 7.4 | 20.0 | 8 19 | 21 0.01 | -10 18.1 | 1.819 | 2.814 | 4.8 | 21.7 |
| 8 29 | 20 52.75 | -26 35.5 | 1.581 | 2.513 | 11.2 | 20.3 | 8 29 | 20 52.04 | -11 2.4 | 1.857 | 2.808 | 8.5 | 21.9 |
| 9 8 | 20 47.70 | -26 33.2 | 1.661 | 2.524 | 14.6 | 20.5 | 9 8 | 20 45.83 | -11 43.1 | 1.919 | 2.802 | 12.0 | 22.1 |
| 173283 | 1999 <i>TE</i> ₁₁₅ | | 8 7.5 346°41 | 1:0/ 7.1 18 | | | 475307 | 2005 <i>YP</i> ₁₃ | | 8 7.5 252°87 | 3:6/ 9.3 18 | | |
| 6 30 | 21 33.50 | -19 12.0 | 1.005 | 1.892 | 20.8 | 18.7 | 6 30 | 21 39.68 | - 8 25.8 | 1.810 | 2.618 | 16.3 | 21.7 |
| 7 10 | 21 31.88 | -18 49.8 | 0.936 | 1.879 | 16.4 | 18.4 | 7 10 | 21 34.96 | - 7 44.7 | 1.721 | 2.612 | 13.2 | 21.4 |
| 7 20 | 21 26.66 | -18 34.6 | 0.883 | 1.868 | 11.2 | 18.1 | 7 20 | 21 27.83 | - 7 14.6 | 1.652 | 2.606 | 9.7 | 21.2 |
| 7 30 | 21 18.52 | -18 22.5 | 0.850 | 1.859 | 5.3 | 17.7 | 7 30 | 21 18.82 | - 6 55.7 | 1.607 | 2.600 | 5.9 | 21.0 |
| 8 9 | 21 8.82 | -18 8.8 | 0.838 | 1.851 | 1.6 | 17.5 | 8 9 | 21 8.82 | - 6 47.0 | 1.588 | 2.594 | 3.6 | 20.8 |
| 8 19 | 20 59.30 | -17 49.4 | 0.847 | 1.845 | 7.7 | 17.8 | 8 19 | 20 58.85 | - 6 46.8 | 1.596 | 2.588 | 5.7 | 20.9 |
| 8 29 | 20 51.76 | -17 22.0 | 0.876 | 1.841 | 13.6 | 18.1 | 8 29 | 20 50.04 | - 6 52.0 | 1.631 | 2.581 | 9.5 | 21.1 |
| 9 8 | 20 47.48 | -16 46.1 | 0.924 | 1.838 | 18.7 | 18.4 | 9 8 | 20 43.26 | - 6 59.5 | 1.688 | 2.575 | 13.2 | 21.4 |
| 390130 | 2012 <i>VW</i> ₆₁ | | 8 7.5 281°00 | 1:7/ 6.3 18 | | | 433740 | 2015 <i>AS</i> ₁₉₀ | | 8 7.5 63°33 | 1:7/ 6.5 17 | | |
| 6 30 | 21 35.42 | -18 13.6 | 1.845 | 2.688 | 14.6 | 21.9 | 6 30 | 21 38.05 | -17 28.1 | 1.432 | 2.285 | 17.6 | 20.9 |
| 7 10 | 21 31.74 | -18 47.0 | 1.758 | 2.678 | 11.4 | 21.7 | 7 10 | 21 34.08 | -18 3.6 | 1.376 | 2.301 | 13.6 | 20.7 |
| 7 20 | 21 25.71 | -19 28.9 | 1.693 | 2.669 | 7.7 | 21.4 | 7 20 | 21 27.34 | -18 49.3 | 1.339 | 2.317 | 9.1 | 20.5 |
| 7 30 | 21 17.83 | -20 14.9 | 1.653 | 2.659 | 3.7 | 21.2 | 7 30 | 21 18.56 | -19 39.1 | 1.326 | 2.333 | 4.2 | 20.2 |
| 8 9 | 21 8.96 | -20 59.5 | 1.638 | 2.650 | 2.1 | 21.0 | 8 9 | 21 8.89 | -20 26.2 | 1.337 | 2.349 | 2.1 | 20.1 |
| 8 19 | 21 0.10 | -21 37.4 | 1.651 | 2.640 | 5.9 | 21.3 | 8 19 | 20 59.61 | -21 4.5 | 1.374 | 2.365 | 6.5 | 20.5 |
| 8 29 | 20 52.35 | -22 4.6 | 1.689 | 2.630 | 10.0 | 21.5 | 8 29 | 20 51.94 | -21 30.1 | 1.436 | 2.382 | 10.9 | 20.8 |
| 9 8 | 20 46.59 | -22 19.3 | 1.750 | 2.621 | 13.6 | 21.7 | 9 8 | 20 46.77 | -21 41.7 | 1.519 | 2.398 | 14.8 | 21.0 |
| 260299 | 2004 <i>TX</i> ₁₁₂ | | 8 7.5 354°34 | 7:2/12.7 18 | | | 337140 | 1999 <i>TD</i> ₂₁₄ | | 8 7.5 283°06 | 2:1/ 6.0 18 | | |
| 6 30 | 21 31.38 | + 2 55.4 | 1.950 | 2.718 | 16.6 | 19.5 | 6 30 | 21 36.18 | -19 19.1 | 1.837 | 2.682 | 14.7 | 21.1 |
| 7 10 | 21 28.29 | + 3 42.4 | 1.865 | 2.715 | 14.3 | 19.3 | 7 10 | 21 32.49 | -19 53.0 | 1.742 | 2.662 | 11.5 | 20.8 |
| 7 20 | 21 23.22 | + 4 11.1 | 1.799 | 2.712 | 11.6 | 19.2 | 7 20 | 21 26.34 | -20 35.1 | 1.667 | 2.643 | 7.8 | 20.6 |
| 7 30 | 21 16.61 | + 4 19.4 | 1.755 | 2.710 | 9.0 | 19.0 | 7 30 | 21 18.21 | -21 20.7 | 1.617 | 2.623 | 3.8 | 20.3 |
| 8 9 | 21 9.18 | + 4 7.0 | 1.734 | 2.708 | 7.4 | 18.9 | 8 9 | 21 8.92 | -22 4.1 | 1.593 | 2.603 | 2.5 | 20.2 |
| 8 19 | 21 1.79 | + 3 35.8 | 1.738 | 2.707 | 7.6 | 18.9 | 8 19 | 20 59.55 | -22 39.8 | 1.596 | 2.583 | 6.3 | 20.4 |
| 8 29 | 20 55.32 | + 2 50.0 | 1.766 | 2.707 | 9.6 | 19.0 | 8 29 | 20 51.24 | -23 3.8 | 1.624 | 2.563 | 10.4 | 20.6 |
| 9 8 | 20 50.54 | + 1 55.5 | 1.818 | 2.707 | 12.3 | 19.2 | 9 8 | 20 44.97 | -23 14.2 | 1.675 | 2.543 | 14.2 | 20.8 |
| 361058 | 2005 <i>YT</i> ₁₁₃ | | 8 7.5 246°01 | 3:0/ 4.6 18 | | | 48990 | 1998 <i>QX</i> ₄₇ | | 8 7.5 323°40 | 0:0/ 7.3 18 | | |
| 6 30 | 21 33.53 | -22 55.9 | 2.426 | 3.266 | 11.7 | 20.6 | 6 30 | 21 33.45 | -16 9.8 | 1.192 | 2.063 | 19.3 | 18.8 |
| 7 10 | 21 29.70 | -23 50.1 | 2.343 | 3.261 | 9.1 | 20.4 | 7 10 | 21 31.57 | -15 57.7 | 1.103 | 2.037 | 15.4 | 18.5 |
| 7 20 | 21 24.03 | -24 48.6 | 2.284 | 3.256 | 6.2 | 20.2 | 7 20 | 21 26.43 | -15 56.1 | 1.031 | 2.012 | 10.7 | 18.2 |
| 7 30 | 21 16.95 | -25 46.5 | 2.251 | 3.251 | 3.6 | 20.1 | 7 30 | 21 18.49 | -16 2.4 | 0.980 | 1.987 | 5.1 | 17.8 |
| 8 9 | 21 9.13 | -26 38.8 | 2.245 | 3.246 | 3.4 | 20.0 | 8 9 | 21 8.85 | -16 12.0 | 0.950 | 1.964 | 0.9 | 17.4 |
| 8 19 | 21 1.35 | -27 21.2 | 2.268 | 3.241 | 5.8 | 20.2 | 8 19 | 20 58.99 | -16 19.8 | 0.943 | 1.942 | 7.1 | 17.7 |
| 8 29 | 20 54.42 | -27 51.0 | 2.317 | 3.236 | 8.8 | 20.4 | 8 29 | 20 50.64 | -16 21.3 | 0.958 | 1.920 | 13.0 | 18.0 |
| 9 8 | 20 49.04 | -28 7.0 | 2.390 | 3.231 | 11.5 | 20.5 | 9 8 | 20 45.19 | -16 13.6 | 0.992 | 1.901 | 18.2 | 18.2 |
| 75294 | 1999 <i>XU</i> ₂₈ | | 8 7.5 321°52 | 9:5/31.4 18 | | | 97902 | 2000 <i>QS</i> ₇₆ | | 8 7.5 352°79 | 1:2/ 6.9 18 | | |
| 6 30 | 21 31.77 | -29 8.5 | 1.189 | 2.076 | 18.2 | 17.5 | 6 30 | 21 35.09 | -18 36.0 | 1.027 | 1.910 | 20.8 | 17.8 |
| 7 10 | 21 30.65 | -31 10.0 | 1.115 | 2.055 | 14.7 | 17.2 | 7 10 | 21 32.99 | -18 27.9 | 0.963 | 1.903 | 16.4 | 17.5 |
| 7 20 | 21 26.03 | -33 19.8 | 1.061 | 2.034 | 11.4 | 17.0 | 7 20 | 21 27.32 | -18 29.0 | 0.915 | 1.898 | 11.1 | 17.2 |
| 7 30 | 21 18.36 | -35 24.0 | 1.028 | 2.015 | 9.5 | 16.8 | 7 30 | 21 18.81 | -18 34.8 | 0.886 | 1.895 | 5.2 | 16.9 |
| 8 9 | 21 8.82 | -37 7.4 | 1.017 | 1.996 | 10.6 | 16.8 | 8 9 | 21 8.83 | -18 39.4 | 0.879 | 1.892 | 1.8 | 16.6 |
| 8 19 | 20 59.10 | -38 17.8 | 1.027 | 1.978 | 14.0 | 16.9 | 8 19 | 20 59.12 | -18 37.6 | 0.894 | 1.891 | 7.6 | 17.0 |
| 8 29 | 20 51.14 | -38 49.3 | 1.057 | 1.961 | 18.0 | 17.1 | 8 29 | 20 51.41 | -18 26.0 | 0.929 | 1.891 | 13.4 | 17.3 |
| 9 8 | 20 46.46 | -38 43.6 | 1.103 | 1.945 | 21.8 | 17.3 | 9 8 | 20 46.93 | -18 3.6 | 0.984 | 1.892 | 18.4 | 17.6 |
| 387053 | 2012 <i>TL</i> ₂₃ | | 8 7.5 187°85 | 0:4/ 7.2 18 | | | 395062 | 2009 <i>FC</i> ₂₆ | | 8 7.5 158°40 | 1:1/ 8.5 17 | | |
| 6 30 | 21 37.91 | -16 10.5 | 2.064 | 2.891 | 13.9 | 21.3 | 6 30 | 21 34.64 | - 9 35.1 | 2.637 | 3.435 | 12.0 | 22.7 |
| 7 10 | 21 33.27 | -16 22.9 | 1.981 | 2.891 | 10.9 | 21.1 | 7 10 | 21 30.22 | -10 6.0 | 2.552 | 3.443 | 9.5 | 22.5 |
| 7 20 | 21 26.50 | -16 42.7 | 1.919 | 2.890 | 7.3 | 20.9 | 7 20 | 21 24.20 | -10 47.4 | 2.491 | 3.450 | 6.6 | 22.4 |
| 7 30 | 21 18.12 | -17 6.9 | 1.883 | 2.889 | 3.4 | 20.6 | 7 30 | 21 16.99 | -11 37.1 | 2.456 | 3.456 | 3.4 | 22.2 |
| 8 9 | 21 8.93 | -17 31.7 | 1.875 | 2.888 | 0.8 | 20.4 | 8 9 | 21 9.19 | -12 31.7 | 2.450 | 3.462 | 1.1 | 22.0 |
| 8 19 | 20 59.84 | -17 53.4 | 1.894 | 2.886 | 4.9 | 20.7 | 8 19 | 21 1.46 | -13 27.3 | 2.473 | 3.468 | 3.7 | 22.2 |
| 8 29 | 20 51.82 | -18 9.0 | 1.940 | 2.885 | 8.7 | 20.9 | 8 29 | 20 54.48 | -14 20.3 | 2.525 | 3.472 | 6.8 | 22.4 |
| 9 8 | 20 45.62 | -18 16.9 | 2.010 | 2.882 | 12.0 | 21.1 | 9 8 | 20 48.85 | -15 7.6 | 2.604 | 3.476 | 9.6 | 22.6 |
| 648 | <i>Pippa</i> | | 8 7.5 215°97 | 1:6/ 8.9 18 | | | 513579 | 2010 <i>VB</i> ₂₁₉ | | 8 7.5 208°90 | 3:4/10.3 18 | | |
| 6 30 | 21 34.03 | - 9 41.6 | 2.986 | 3.780 | 10.9 | 15.6 | 6 30 | 21 33.61 | - 4 38.2 | 2.531 | 3.314 | 12.9 | 21.4 |
| 7 10 | 21 29.59 | - 9 38.3 | 2.887 | 3.773 | 8.7 | 15.5 | 7 10 | 21 29.52 | - 4 23.0 | 2.439 | 3.312 | 10.5 | 21.2 |
| 7 20 | 21 23.70 | - 9 42.9 | 2.810 | 3.765 | 6.1 | 15.3 | 7 20 | 21 23.79 | - 4 19.5 | 2.368 | 3.309 | 7.9 | 21.0 |
| 7 30 | 21 16.73 | - 9 54.3 | 2.760 | 3.757 | 3.4 | 15.1 | 7 30 | 21 16.82 | - 4 27.4 | 2.322 | 3.306 | 5.2 | 20.9 |
| 8 9 | 21 9.19 | -10 10.6 | 2.739 | 3.748 | 1.6 | 14.9 | 8 9 | 21 9.22 | - 4 45.4 | 2.303 | 3.304 | 3.4 | 20.7 |
| 8 19 | 21 1.65 | -10 30.0 | 2.746 | 3.740 | 3.5 | 15.1 | 8 19 | 21 1.64 | - 5 11.1 | 2.312 | 3.300 | 4.5 | 20.8 |
| 8 29 | 20 54.75 | -10 49.9 | 2.783 | 3.730 | 6.2 | 15.2 | 8 29 | 20 54.81 | - 5 41.5 | 2.349 | 3.297 | 7.2 | 21.0 |
| 9 8 | 20 49.01 | -11 8.4 | 2.846 | 3.721 | 8.8 | 15.4 | 9 8 | 20 49.33 | - 6 13.3 | 2.411 | 3.294 | 9.9 | 21.1 |
| 60324 | 1999 <i>YX</i> ₁₀ | | 8 7.5 8°31 | 1:7/ 6.4 18 | | | 412551 | 2014 <i>NG</i> ₂₉ | | 8 7.5 76°44 | 2:6/ 9.6 | | |

EPHEMERIDES

8 7.5

8 7.5

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 316608 | 2011 <i>WC</i> ₁₀ | | 8 7.5 354°60 | 1.6°/ 6.3 | 18 | | 52093 | 2088 <i>P-L</i> | | 8 7.5 248°17 | 0.2°/ 7.6 | 18 | |
| 6 30 | 21 33.87 | -18 19.2 | 1.872 | 2.718 | 14.4 | 20.3 | 6 30 | 21 35.92 | -14 28.2 | 2.024 | 2.852 | 14.1 | 19.8 |
| 7 10 | 21 30.41 | -18 51.9 | 1.795 | 2.716 | 11.2 | 20.1 | 7 10 | 21 31.81 | -14 37.8 | 1.939 | 2.848 | 11.1 | 19.6 |
| 7 20 | 21 24.72 | -19 32.5 | 1.739 | 2.715 | 7.5 | 19.9 | 7 20 | 21 25.60 | -14 56.2 | 1.875 | 2.844 | 7.5 | 19.4 |
| 7 30 | 21 17.35 | -20 16.6 | 1.707 | 2.714 | 3.5 | 19.7 | 7 30 | 21 17.77 | -15 20.8 | 1.835 | 2.840 | 3.6 | 19.1 |
| 8 9 | 21 9.13 | -20 58.8 | 1.702 | 2.713 | 2.0 | 19.6 | 8 9 | 21 9.11 | -15 48.0 | 1.823 | 2.836 | 0.6 | 18.9 |
| 8 19 | 21 1.01 | -21 34.4 | 1.724 | 2.713 | 5.7 | 19.8 | 8 19 | 21 0.52 | -16 14.0 | 1.838 | 2.832 | 4.7 | 19.2 |
| 8 29 | 20 54.00 | -21 59.8 | 1.771 | 2.713 | 9.5 | 20.0 | 8 29 | 20 52.95 | -16 35.4 | 1.880 | 2.828 | 8.6 | 19.4 |
| 9 8 | 20 48.91 | -22 13.1 | 1.841 | 2.713 | 13.0 | 20.3 | 9 8 | 20 47.16 | -16 49.8 | 1.945 | 2.824 | 12.1 | 19.6 |
| 511171 | 2013 <i>YM</i> ₆₂ | | 8 7.5 152°50 | 2.2°/ 8.9 | 18 R | | 506152 | 2016 <i>ES</i> ₈₈ | | 8 7.5 39°58 | 3°1/ 9.2 | 17 | |
| 6 30 | 21 38.69 | -9 37.4 | 2.160 | 2.962 | 14.2 | 21.4 | 6 30 | 21 35.05 | -8 13.6 | 1.065 | 1.922 | 22.1 | 20.9 |
| 7 10 | 21 33.67 | -9 22.7 | 2.078 | 2.968 | 11.3 | 21.3 | 7 10 | 21 32.44 | -8 11.3 | 1.013 | 1.935 | 17.7 | 20.7 |
| 7 20 | 21 26.67 | -9 18.1 | 2.018 | 2.974 | 8.0 | 21.1 | 7 20 | 21 26.62 | -8 31.4 | 0.978 | 1.948 | 12.5 | 20.4 |
| 7 30 | 21 18.19 | -9 9 22.6 | 1.983 | 2.979 | 4.5 | 20.9 | 7 30 | 21 18.37 | -9 11.4 | 0.962 | 1.963 | 7.0 | 20.2 |
| 8 9 | 21 8.99 | -9 34.1 | 1.975 | 2.984 | 2.2 | 20.7 | 8 9 | 21 9.02 | -10 5.5 | 0.967 | 1.978 | 3.1 | 20.0 |
| 8 19 | 20 59.92 | -9 49.9 | 1.995 | 2.989 | 4.5 | 20.9 | 8 19 | 21 0.09 | -11 5.4 | 0.995 | 1.994 | 6.7 | 20.3 |
| 8 29 | 20 51.87 | -10 6.9 | 2.044 | 2.993 | 8.0 | 21.1 | 8 29 | 20 53.05 | -12 2.9 | 1.046 | 2.011 | 11.8 | 20.6 |
| 9 8 | 20 45.53 | -10 22.5 | 2.117 | 2.997 | 11.2 | 21.3 | 9 8 | 20 48.92 | -12 51.5 | 1.117 | 2.028 | 16.4 | 21.0 |
| 143905 | 2003 <i>YS</i> ₆₂ | | 8 7.5 194°76 | 3°1/ 9.3 | 18 | | 517668 | 2015 <i>BV</i> ₅₄₄ | | 8 7.5 88°66 | 6°0/ 11.6 | 17 | |
| 6 30 | 21 39.62 | -8 14.7 | 1.789 | 2.598 | 16.4 | 20.4 | 6 30 | 21 37.01 | -0 26.6 | 1.820 | 2.600 | 17.3 | 21.6 |
| 7 10 | 21 34.92 | -7 54.9 | 1.704 | 2.597 | 13.3 | 20.2 | 7 10 | 21 32.67 | +0 9.2 | 1.750 | 2.614 | 14.4 | 21.4 |
| 7 20 | 21 27.81 | -7 48.1 | 1.639 | 2.595 | 9.6 | 20.0 | 7 20 | 21 26.14 | +0 26.9 | 1.699 | 2.627 | 11.2 | 21.2 |
| 7 30 | 21 18.83 | -7 53.8 | 1.598 | 2.593 | 5.7 | 19.7 | 7 30 | 21 18.00 | +0 25.4 | 1.670 | 2.641 | 8.1 | 21.1 |
| 8 9 | 21 8.86 | -8 9.7 | 1.582 | 2.590 | 3.1 | 19.6 | 8 9 | 21 9.09 | +0 5.8 | 1.665 | 2.655 | 6.1 | 21.0 |
| 8 19 | 20 58.96 | -8 32.6 | 1.594 | 2.587 | 5.5 | 19.7 | 8 19 | 21 0.37 | -0 28.7 | 1.687 | 2.668 | 6.8 | 21.1 |
| 8 29 | 20 50.24 | -8 58.4 | 1.632 | 2.584 | 9.4 | 19.9 | 8 29 | 20 52.82 | -1 13.5 | 1.735 | 2.681 | 9.4 | 21.3 |
| 9 8 | 20 43.58 | -9 23.3 | 1.693 | 2.580 | 13.2 | 20.2 | 9 8 | 20 47.18 | -2 2.6 | 1.806 | 2.694 | 12.4 | 21.5 |
| 171416 | 2006 <i>SL</i> ₁₁ | | 8 7.5 338°71 | 3°8/ 4.8 | 18 | | 176285 | 2001 <i>SM</i> ₂₅ | | 8 7.5 325°17 | 1°0/ 6.8 | 18 | |
| 6 30 | 21 34.03 | -22 50.1 | 1.723 | 2.580 | 14.9 | 19.4 | 6 30 | 21 34.49 | -17 9.7 | 1.857 | 2.699 | 14.6 | 20.5 |
| 7 10 | 21 30.86 | -23 41.4 | 1.647 | 2.574 | 11.6 | 19.1 | 7 10 | 21 30.95 | -17 31.2 | 1.774 | 2.693 | 11.4 | 20.3 |
| 7 20 | 21 25.21 | -24 38.5 | 1.592 | 2.569 | 7.9 | 18.9 | 7 20 | 21 25.16 | -18 1.1 | 1.712 | 2.687 | 7.7 | 20.1 |
| 7 30 | 21 17.65 | -25 35.2 | 1.561 | 2.563 | 4.6 | 18.7 | 7 30 | 21 17.62 | -18 35.6 | 1.674 | 2.681 | 3.6 | 19.8 |
| 8 9 | 21 9.08 | -26 24.5 | 1.555 | 2.559 | 4.2 | 18.7 | 8 9 | 21 9.16 | -19 9.9 | 1.663 | 2.676 | 1.4 | 19.6 |
| 8 19 | 21 0.60 | -27 0.8 | 1.576 | 2.554 | 7.4 | 18.9 | 8 19 | 21 0.78 | -19 39.6 | 1.678 | 2.670 | 5.4 | 19.9 |
| 8 29 | 20 53.36 | -27 20.6 | 1.620 | 2.550 | 11.1 | 19.1 | 8 29 | 20 53.50 | -20 1.0 | 1.719 | 2.665 | 9.5 | 20.1 |
| 9 8 | 20 48.27 | -27 23.2 | 1.687 | 2.547 | 14.5 | 19.3 | 9 8 | 20 48.15 | -20 12.1 | 1.783 | 2.661 | 13.1 | 20.3 |
| 129517 | 1995 <i>UM</i> ₃₁ | | 8 7.5 186°03 | 8°1/ 1.7 | 17 | | 2350 | von Lüde | | 8 7.5 257°57 | 0°4/ 7.7 | 18 | |
| 6 30 | 21 43.42 | -36 48.6 | 1.975 | 2.812 | 14.1 | 19.7 | 6 30 | 21 36.43 | -11 59.2 | 1.536 | 2.374 | 17.3 | 16.9 |
| 7 10 | 21 38.10 | -37 55.1 | 1.911 | 2.812 | 11.6 | 19.6 | 7 10 | 21 33.07 | -12 31.5 | 1.447 | 2.362 | 13.8 | 16.7 |
| 7 20 | 21 30.03 | -38 55.6 | 1.868 | 2.812 | 9.4 | 19.4 | 7 20 | 21 26.97 | -13 20.3 | 1.377 | 2.349 | 9.5 | 16.4 |
| 7 30 | 21 19.86 | -39 41.9 | 1.849 | 2.812 | 8.1 | 19.3 | 7 30 | 21 18.62 | -14 22.5 | 1.331 | 2.336 | 4.6 | 16.1 |
| 8 9 | 21 8.70 | -40 7.1 | 1.856 | 2.811 | 8.5 | 19.4 | 8 9 | 21 8.97 | -15 31.7 | 1.309 | 2.323 | 0.8 | 15.7 |
| 8 19 | 20 57.82 | -40 7.4 | 1.887 | 2.810 | 10.4 | 19.5 | 8 19 | 20 59.21 | -16 40.7 | 1.314 | 2.309 | 6.0 | 16.1 |
| 8 29 | 20 48.49 | -39 43.0 | 1.943 | 2.809 | 12.8 | 19.6 | 8 29 | 20 50.68 | -17 42.4 | 1.343 | 2.295 | 11.0 | 16.3 |
| 9 8 | 20 41.63 | -38 57.2 | 2.018 | 2.807 | 15.1 | 19.8 | 9 8 | 20 44.48 | -18 31.9 | 1.394 | 2.281 | 15.4 | 16.6 |
| 93146 | 2000 <i>SU</i> ₇₈ | | 8 7.5 211°38 | 0°9/ 6.8 | 18 | | 295370 | 2008 <i>HK</i> ₅₄ | | 8 7.5 144°27 | 7°7/ 30.8 | 18 | |
| 6 30 | 21 38.42 | -17 16.2 | 2.212 | 3.037 | 13.2 | 20.8 | 6 30 | 21 38.39 | -38 32.9 | 2.393 | 3.226 | 12.0 | 21.1 |
| 7 10 | 21 33.63 | -17 39.5 | 2.121 | 3.030 | 10.3 | 20.6 | 7 10 | 21 33.85 | -39 56.9 | 2.333 | 3.228 | 10.1 | 20.9 |
| 7 20 | 21 26.77 | -18 9.9 | 2.053 | 3.023 | 6.9 | 20.4 | 7 20 | 21 27.02 | -41 15.1 | 2.297 | 3.231 | 8.5 | 20.8 |
| 7 30 | 21 18.30 | -18 43.9 | 2.010 | 3.016 | 3.2 | 20.1 | 7 30 | 21 18.45 | -42 20.1 | 2.286 | 3.233 | 7.7 | 20.8 |
| 8 9 | 21 8.99 | -19 17.2 | 1.995 | 3.007 | 1.3 | 20.0 | 8 9 | 21 9.02 | -43 6.1 | 2.301 | 3.235 | 8.3 | 20.8 |
| 8 19 | 20 59.70 | -19 46.1 | 2.009 | 2.999 | 4.9 | 20.2 | 8 19 | 20 59.74 | -43 29.5 | 2.340 | 3.237 | 9.8 | 20.9 |
| 8 29 | 20 51.36 | -20 7.3 | 2.050 | 2.989 | 8.6 | 20.4 | 8 29 | 20 51.63 | -43 29.7 | 2.403 | 3.239 | 11.6 | 21.1 |
| 9 8 | 20 44.76 | -20 19.3 | 2.116 | 2.979 | 11.9 | 20.6 | 9 8 | 20 45.51 | -43 9.0 | 2.486 | 3.241 | 13.5 | 21.2 |
| 212401 | 2006 <i>JW</i> ₄₂ | | 8 7.5 155°98 | 2°4/ 5.9 | 17 | | 294772 | 2008 <i>CF</i> ₃₅ | | 8 7.5 257°11 | 1°4/ 6.8 | 17 | |
| 6 30 | 21 40.64 | -19 0.4 | 1.655 | 2.497 | 16.1 | 20.7 | 6 30 | 21 40.78 | -18 39.0 | 1.597 | 2.440 | 16.5 | 21.3 |
| 7 10 | 21 35.97 | -19 50.5 | 1.584 | 2.504 | 12.5 | 20.4 | 7 10 | 21 36.36 | -18 48.9 | 1.510 | 2.429 | 13.0 | 21.1 |
| 7 20 | 21 28.63 | -20 49.7 | 1.535 | 2.509 | 8.4 | 20.2 | 7 20 | 21 29.11 | -19 6.3 | 1.443 | 2.418 | 8.8 | 20.8 |
| 7 30 | 21 19.25 | -21 51.6 | 1.509 | 2.515 | 4.1 | 20.0 | 7 30 | 21 19.59 | -19 26.9 | 1.400 | 2.406 | 4.2 | 20.5 |
| 8 9 | 21 8.83 | -22 49.0 | 1.510 | 2.519 | 2.9 | 19.9 | 8 9 | 21 8.82 | -19 45.5 | 1.383 | 2.395 | 1.8 | 20.3 |
| 8 19 | 20 58.61 | -23 35.7 | 1.538 | 2.523 | 6.7 | 20.1 | 8 19 | 20 58.07 | -19 57.4 | 1.391 | 2.383 | 6.4 | 20.6 |
| 8 29 | 20 49.80 | -24 7.6 | 1.591 | 2.527 | 10.9 | 20.4 | 8 29 | 20 48.71 | -19 59.4 | 1.425 | 2.371 | 11.1 | 20.8 |
| 9 8 | 20 43.34 | -24 23.5 | 1.667 | 2.530 | 14.6 | 20.6 | 9 8 | 20 41.79 | -19 50.5 | 1.481 | 2.358 | 15.2 | 21.1 |
| 135958 | 2002 <i>TM</i> ₂₄₅ | | 8 7.5 351°41 | 1°4/ 8.5 | 18 | | 387105 | 2012 <i>TQ</i> ₁₄₂ | | 8 7.5 334°63 | 2°6/ 9.5 | 18 | |
| 6 30 | 21 32.68 | -10 4.3 | 1.791 | 2.619 | 15.6 | 19.6 | 6 30 | 21 28.99 | -5 46.1 | 1.450 | 2.285 | 18.3 | 20.0 |
| 7 10 | 21 29.54 | -10 24.2 | 1.710 | 2.618 | 12.4 | 19.4 | 7 10 | 21 27.27 | -6 20.4 | 1.365 | 2.273 | 14.9 | 19.8 |
| 7 20 | 21 24.19 | -10 58.6 | 1.650 | 2.616 | 8.7 | 19.2 | 7 20 | 21 23.03 | -7 18.7 | 1.298 | 2.262 | 10.7 | 19.5 |
| 7 30 | 21 17.15 | -11 45.0 | 1.613 | 2.615 | 4.5 | 18.9 | 7 30 | 21 16.75 | -8 39.0 | 1.253 | 2.252 | 6.1 | 19.2 |
| 8 9 | 21 9.22 | -12 39.0 | 1.601 | 2.614 | 1.4 | 18.7 | 8 9 | 21 9.32 | -10 15.6 | 1.232 | 2.243 | 2.6 | 19.0 |
| 8 19 | 21 1.35 | -13 35.3 | 1.617 | 2.613 | 4.9 | 18.9 | 8 19 | 21 1.82 | -12 0.0 | 1.236 | 2.234 | 5.7 | 19.2 |
| 8 29 | 20 54.56 | -14 28.4 | 1.658 | 2.613 | 9.0 | 19.2 | 8 29 | 20 55.50 | -13 42.5 | 1.264 | 2.227 | 10.5 | 19.4 |
| 9 8 | 20 49.65 | -15 14.0 | 1.722 | 2.613 | 12.8 | 19.4 | 9 8 | 20 51.37 | -15 14.5 | 1.315 | 2.220 | 14.9 | 19.7 |
| 516944 | 2012 <i>BD</i> ₉₄ | | 8 7.5 242°38 | 3°7/ 4.5 | 18 | | 381734 | 2009 <i>RH</i> ₄₆ | | 8 7.5 339°45 | 2°6/ 6.3 | 17 | |
| 6 30</ | | | | | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 283821 | 2003 <i>SK</i> ₃₂₄ | | 8 7.5 240°12 | 4.4/11.1 | 18 | | 5855 | Yukitsuna | | 8 7.5 332°80 | 11.9/31.9 | 18 | R |
| 6 30 | 21 33.19 | -1 40.4 | 1.975 | 2.762 | 15.8 | 20.5 | 6 30 | 21 42.81 | -40 39.5 | 1.396 | 2.252 | 17.8 | 15.5 |
| 7 10 | 21 29.75 | -1 43.9 | 1.885 | 2.757 | 13.1 | 20.3 | 7 10 | 21 39.07 | -41 54.0 | 1.333 | 2.240 | 15.3 | 15.3 |
| 7 20 | 21 24.27 | -2 5.9 | 1.814 | 2.753 | 10.0 | 20.1 | 7 20 | 21 31.49 | -42 58.4 | 1.288 | 2.229 | 13.0 | 15.2 |
| 7 30 | 21 17.20 | -2 46.3 | 1.766 | 2.748 | 6.7 | 19.9 | 7 30 | 21 20.85 | -43 40.2 | 1.264 | 2.218 | 11.9 | 15.1 |
| 8 9 | 21 9.26 | -3 42.7 | 1.743 | 2.742 | 4.5 | 19.8 | 8 9 | 21 8.70 | -43 49.5 | 1.261 | 2.208 | 12.4 | 15.1 |
| 8 19 | 21 1.31 | -4 50.8 | 1.748 | 2.737 | 5.6 | 19.8 | 8 19 | 20 56.94 | -43 21.4 | 1.280 | 2.199 | 14.5 | 15.2 |
| 8 29 | 20 54.28 | -6 4.6 | 1.779 | 2.732 | 8.7 | 20.0 | 8 29 | 20 47.44 | -42 17.7 | 1.319 | 2.191 | 17.2 | 15.3 |
| 9 8 | 20 48.95 | -7 18.1 | 1.834 | 2.726 | 12.0 | 20.2 | 9 8 | 20 41.43 | -40 45.3 | 1.375 | 2.184 | 20.0 | 15.5 |
| 314532 | 2005 <i>YQ</i> ₄₁ | | 8 7.5 201°89 | 4.9/10.8 | 18 | | 345975 | 2007 <i>TF</i> ₁₁₅ | | 8 7.5 306°12 | 1.7/8.7 | 18 | |
| 6 30 | 21 38.30 | -1 50.5 | 2.633 | 3.389 | 13.1 | 20.3 | 6 30 | 21 31.66 | -8 53.0 | 1.704 | 2.534 | 16.3 | 20.8 |
| 7 10 | 21 33.09 | -0 56.8 | 2.538 | 3.387 | 10.9 | 20.2 | 7 10 | 21 29.19 | -9 16.8 | 1.598 | 2.506 | 13.1 | 20.5 |
| 7 20 | 21 26.18 | -0 13.5 | 2.464 | 3.385 | 8.5 | 20.0 | 7 20 | 21 24.31 | -9 58.6 | 1.511 | 2.477 | 9.3 | 20.2 |
| 7 30 | 21 17.99 | +0 18.1 | 2.416 | 3.383 | 6.2 | 19.8 | 7 30 | 21 17.42 | -10 56.8 | 1.448 | 2.449 | 5.0 | 19.9 |
| 8 9 | 21 9.14 | +0 37.6 | 2.396 | 3.380 | 4.9 | 19.8 | 8 9 | 21 9.27 | -12 7.2 | 1.409 | 2.421 | 1.7 | 19.6 |
| 8 19 | 21 0.31 | +0 45.9 | 2.404 | 3.378 | 5.6 | 19.8 | 8 19 | 21 0.86 | -13 23.5 | 1.397 | 2.394 | 5.4 | 19.8 |
| 8 29 | 20 52.24 | +0 44.7 | 2.441 | 3.375 | 7.7 | 19.9 | 8 29 | 20 53.36 | -14 38.6 | 1.409 | 2.366 | 10.1 | 20.0 |
| 9 8 | 20 45.56 | +0 36.8 | 2.503 | 3.372 | 10.1 | 20.1 | 9 8 | 20 47.83 | -15 46.0 | 1.445 | 2.339 | 14.5 | 20.2 |
| 93957 | 2000 <i>WM</i> ₁₈₆ | | 8 7.5 83°65 | 2.2/5.2 | 18 | | 122955 | 2000 <i>SU</i> ₂₀₃ | | 8 7.5 194°78 | 5.3/4.2 | 18 | |
| 6 30 | 21 33.02 | -18 28.5 | 2.269 | 3.106 | 12.5 | 19.2 | 6 30 | 21 40.11 | -27 37.8 | 1.741 | 2.592 | 15.1 | 19.7 |
| 7 10 | 21 29.36 | -19 44.4 | 2.199 | 3.116 | 9.6 | 19.0 | 7 10 | 21 35.63 | -28 27.1 | 1.671 | 2.591 | 11.9 | 19.5 |
| 7 20 | 21 23.84 | -21 8.1 | 2.152 | 3.126 | 6.4 | 18.8 | 7 20 | 21 28.46 | -29 17.4 | 1.622 | 2.591 | 8.5 | 19.3 |
| 7 30 | 21 16.94 | -22 34.2 | 2.131 | 3.136 | 3.2 | 18.6 | 7 30 | 21 19.23 | -30 1.4 | 1.597 | 2.591 | 5.8 | 19.1 |
| 8 9 | 21 9.34 | -23 56.8 | 2.139 | 3.146 | 2.6 | 18.6 | 8 9 | 21 8.99 | -30 32.2 | 1.597 | 2.591 | 5.7 | 19.1 |
| 8 19 | 21 1.82 | -25 10.1 | 2.176 | 3.156 | 5.5 | 18.8 | 8 19 | 20 58.97 | -30 45.2 | 1.624 | 2.590 | 8.4 | 19.3 |
| 8 29 | 20 55.21 | -26 10.2 | 2.239 | 3.166 | 8.7 | 19.0 | 8 29 | 20 50.41 | -30 38.7 | 1.675 | 2.590 | 11.8 | 19.5 |
| 9 8 | 20 50.18 | -26 55.1 | 2.327 | 3.175 | 11.5 | 19.2 | 9 8 | 20 44.22 | -30 14.2 | 1.748 | 2.590 | 14.9 | 19.7 |
| 448393 | 2009 <i>QM</i> ₂₈ | | 8 7.5 348°41 | 1.4/6.6 | 18 | | 220188 | 2002 <i>VF</i> ₃ | | 8 7.5 198°06 | 0.6/7.9 | 18 | |
| 6 30 | 21 36.17 | -19 51.2 | 1.964 | 2.805 | 14.0 | 20.9 | 6 30 | 21 38.71 | -12 48.1 | 2.004 | 2.822 | 14.6 | 21.1 |
| 7 10 | 21 32.09 | -19 54.5 | 1.883 | 2.801 | 10.9 | 20.7 | 7 10 | 21 34.05 | -13 3.2 | 1.916 | 2.819 | 11.5 | 20.9 |
| 7 20 | 21 25.82 | -20 2.3 | 1.823 | 2.798 | 7.3 | 20.5 | 7 20 | 21 27.17 | -13 28.9 | 1.850 | 2.816 | 7.9 | 20.6 |
| 7 30 | 21 17.90 | -20 11.3 | 1.789 | 2.795 | 3.5 | 20.2 | 7 30 | 21 18.59 | -14 2.5 | 1.808 | 2.812 | 3.9 | 20.4 |
| 8 9 | 21 9.18 | -20 17.6 | 1.780 | 2.792 | 1.7 | 20.1 | 8 9 | 21 9.10 | -14 40.2 | 1.794 | 2.808 | 0.8 | 20.1 |
| 8 19 | 21 0.59 | -20 18.3 | 1.799 | 2.790 | 5.3 | 20.3 | 8 19 | 20 59.65 | -15 17.5 | 1.808 | 2.802 | 4.8 | 20.4 |
| 8 29 | 20 53.13 | -20 11.4 | 1.844 | 2.788 | 9.1 | 20.6 | 8 29 | 20 51.24 | -15 50.6 | 1.849 | 2.797 | 8.8 | 20.7 |
| 9 8 | 20 47.56 | -19 56.3 | 1.913 | 2.787 | 12.5 | 20.8 | 9 8 | 20 44.68 | -16 16.5 | 1.914 | 2.790 | 12.4 | 20.9 |
| 305779 | 2009 <i>DV</i> ₄₉ | | 8 7.5 220°24 | 2.1/5.9 | 18 | | 60052 | 1999 <i>TM</i> ₁₀₇ | | 8 7.5 12°68 | 0.7/7.9 | 18 | R |
| 6 30 | 21 37.05 | -20 42.4 | 2.284 | 3.117 | 12.5 | 21.8 | 6 30 | 21 35.99 | -14 11.8 | 2.006 | 2.833 | 14.2 | 18.3 |
| 7 10 | 21 32.56 | -21 13.3 | 2.197 | 3.111 | 9.8 | 21.6 | 7 10 | 21 31.82 | -14 2.7 | 1.926 | 2.834 | 11.2 | 18.1 |
| 7 20 | 21 26.04 | -21 49.1 | 2.132 | 3.104 | 6.6 | 21.4 | 7 20 | 21 25.59 | -14 1.5 | 1.867 | 2.836 | 7.7 | 17.9 |
| 7 30 | 21 18.00 | -22 25.6 | 2.093 | 3.098 | 3.3 | 21.2 | 7 30 | 21 17.80 | -14 6.2 | 1.833 | 2.837 | 3.8 | 17.6 |
| 8 9 | 21 9.16 | -22 58.5 | 2.082 | 3.090 | 2.4 | 21.1 | 8 9 | 21 9.26 | -14 14.1 | 1.826 | 2.839 | 0.8 | 17.4 |
| 8 19 | 21 0.37 | -23 23.8 | 2.099 | 3.083 | 5.4 | 21.3 | 8 19 | 21 0.86 | -14 22.3 | 1.846 | 2.842 | 4.6 | 17.7 |
| 8 29 | 20 52.52 | -23 39.1 | 2.143 | 3.075 | 8.7 | 21.5 | 8 29 | 20 53.53 | -14 28.2 | 1.893 | 2.844 | 8.4 | 17.9 |
| 9 8 | 20 46.35 | -23 43.2 | 2.212 | 3.067 | 11.7 | 21.7 | 9 8 | 20 47.98 | -14 29.8 | 1.964 | 2.847 | 11.8 | 18.2 |
| 395638 | 2011 <i>WU</i> ₂₄ | | 8 7.5 313°90 | 3.4/4.9 | 18 | | 451802 | 2013 <i>HM</i> ₃₀ | | 8 7.5 30°40 | 3.1/5.4 | 18 | |
| 6 30 | 21 34.87 | -22 49.6 | 1.960 | 2.809 | 13.7 | 21.3 | 6 30 | 21 36.84 | -24 29.3 | 2.141 | 2.984 | 12.9 | 21.3 |
| 7 10 | 21 31.23 | -23 38.0 | 1.881 | 2.803 | 10.7 | 21.1 | 7 10 | 21 32.42 | -24 51.7 | 2.070 | 2.988 | 10.1 | 21.1 |
| 7 20 | 21 25.34 | -24 31.3 | 1.824 | 2.798 | 7.3 | 20.9 | 7 20 | 21 25.94 | -25 15.5 | 2.020 | 2.992 | 6.9 | 20.9 |
| 7 30 | 21 17.72 | -25 24.1 | 1.791 | 2.793 | 4.2 | 20.7 | 7 30 | 21 17.94 | -25 36.5 | 1.996 | 2.997 | 3.9 | 20.7 |
| 8 9 | 21 9.20 | -26 10.3 | 1.785 | 2.788 | 3.8 | 20.6 | 8 9 | 21 9.25 | -25 50.3 | 1.999 | 3.002 | 3.4 | 20.7 |
| 8 19 | 21 0.76 | -26 45.0 | 1.806 | 2.783 | 6.7 | 20.8 | 8 19 | 21 0.77 | -25 53.9 | 2.029 | 3.007 | 6.0 | 20.9 |
| 8 29 | 20 53.41 | -27 5.1 | 1.852 | 2.779 | 10.1 | 21.0 | 8 29 | 20 53.41 | -25 45.9 | 2.085 | 3.012 | 9.1 | 21.1 |
| 9 8 | 20 47.98 | -27 10.0 | 1.921 | 2.774 | 13.3 | 21.2 | 9 8 | 20 47.86 | -25 26.6 | 2.165 | 3.018 | 12.0 | 21.3 |
| 248215 | 2005 <i>EZ</i> ₁₂₇ | | 8 7.5 107°35 | 2.5/9.3 | 17 | | 498438 | 2008 <i>AF</i> ₁₀₈ | | 8 7.5 243°74 | 0.6/7.9 | 17 | |
| 6 30 | 21 37.23 | -8 9.3 | 2.090 | 2.893 | 14.6 | 20.8 | 6 30 | 21 39.39 | -13 13.2 | 1.749 | 2.576 | 16.0 | 22.8 |
| 7 10 | 21 32.56 | -8 3.2 | 2.018 | 2.907 | 11.7 | 20.7 | 7 10 | 21 35.07 | -13 23.9 | 1.654 | 2.562 | 12.7 | 22.6 |
| 7 20 | 21 25.94 | -8 9.1 | 1.967 | 2.922 | 8.3 | 20.5 | 7 20 | 21 28.18 | -13 46.5 | 1.579 | 2.548 | 8.8 | 22.3 |
| 7 30 | 21 17.90 | -8 25.8 | 1.941 | 2.936 | 4.8 | 20.3 | 7 30 | 21 19.20 | -14 18.2 | 1.528 | 2.533 | 4.3 | 22.0 |
| 8 9 | 21 9.20 | -8 50.6 | 1.941 | 2.950 | 2.5 | 20.2 | 8 9 | 21 9.01 | -14 54.6 | 1.503 | 2.517 | 0.8 | 21.7 |
| 8 19 | 21 0.70 | -9 20.2 | 1.970 | 2.964 | 4.6 | 20.3 | 8 19 | 20 58.72 | -15 31.0 | 1.505 | 2.500 | 5.5 | 22.0 |
| 8 29 | 20 53.24 | -9 51.0 | 2.026 | 2.977 | 7.9 | 20.6 | 8 29 | 20 49.56 | -16 2.7 | 1.534 | 2.484 | 10.1 | 22.3 |
| 9 8 | 20 47.50 | -10 19.6 | 2.106 | 2.990 | 11.1 | 20.8 | 9 8 | 20 42.53 | -16 26.3 | 1.585 | 2.466 | 14.2 | 22.5 |
| 425760 | 2011 <i>CM</i> ₁₇ | | 8 7.5 209°16 | 1.7/6.3 | 18 | | 165955 | 2001 <i>XO</i> ₆₂ | | 8 7.5 211°43 | 0.4/7.2 | 18 | |
| 6 30 | 21 38.62 | -18 2.8 | 1.928 | 2.762 | 14.5 | 22.0 | 6 30 | 21 37.64 | -13 47.1 | 1.534 | 2.374 | 17.2 | 20.4 |
| 7 10 | 21 34.15 | -18 42.0 | 1.843 | 2.757 | 11.3 | 21.8 | 7 10 | 21 33.93 | -14 26.5 | 1.454 | 2.372 | 13.6 | 20.2 |
| 7 20 | 21 27.34 | -19 29.7 | 1.779 | 2.752 | 7.6 | 21.6 | 7 20 | 21 27.49 | -15 20.7 | 1.395 | 2.368 | 9.2 | 19.9 |
| 7 30 | 21 18.70 | -20 21.4 | 1.740 | 2.746 | 3.6 | 21.3 | 7 30 | 21 18.88 | -16 25.3 | 1.359 | 2.365 | 4.3 | 19.6 |
| 8 9 | 21 9.06 | -21 11.3 | 1.729 | 2.739 | 2.1 | 21.2 | 8 9 | 21 9.08 | -17 33.2 | 1.348 | 2.361 | 1.0 | 19.4 |
| 8 19 | 20 59.45 | -21 54.0 | 1.745 | 2.732 | 5.8 | 21.5 | 8 19 | 20 59.31 | -18 37.2 | 1.363 | 2.357 | 6.1 | 19.7 |
| 8 29 | 20 50.95 | -22 25.7 | 1.787 | 2.725 | 9.8 | 21.7 | 8 29 | 20 50.89 | -19 31.0 | 1.403 | 2.352 | 10.9 | 20.0 |
| 9 8 | 20 44.43 | -22 44.5 | 1.853 | 2.717 | 13.3 | 21.9 | 9 8 | 20 44.83 | -20 10.9 | 1.466 | 2.348 | 15.1 | 20.2 |
| 395253 | 2010 <i>OF</i> ₁₂₇ | | 8 7.5 332°02 | 5.1/11.2 | 18 | | 124416 | 2001 <i>QV</i> ₂₂₃ | | 8 7.5 324°68 | 1.1/8.2 | 18 | |
| 6 3 | | | | | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|---------------|-------|---------|------|---------------|-------------------------------|-----------------|---------------|-------|---------|------|
| 508020 | 2015 <i>BL</i> ₃₈₉ | | 8 7.5 69°38' | 3°1' | 5.8 | 17 | 368107 | 2013 <i>FJ</i> ₁₄ | | 8 7.5 41°06' | 0°8' | 7.1 | 17 |
| 6 30 | 21 40.10 | -21 36.8 | 1.506 | 2.359 | 16.9 | 20.8 | 6 30 | 21 36.25 | -14 33.0 | 1.139 | 2.005 | 20.3 | 20.3 |
| 7 10 | 21 35.67 | -22 11.4 | 1.448 | 2.373 | 13.1 | 20.6 | 7 10 | 21 33.48 | -15 8.5 | 1.081 | 2.012 | 15.9 | 20.1 |
| 7 20 | 21 28.45 | -22 51.5 | 1.411 | 2.387 | 8.8 | 20.4 | 7 20 | 21 27.45 | -16 0.7 | 1.039 | 2.019 | 10.7 | 19.8 |
| 7 30 | 21 19.20 | -23 30.9 | 1.397 | 2.401 | 4.6 | 20.2 | 7 30 | 21 18.90 | -17 3.5 | 1.019 | 2.027 | 5.0 | 19.5 |
| 8 9 | 21 9.05 | -24 2.7 | 1.408 | 2.415 | 3.5 | 20.2 | 8 9 | 21 9.12 | -18 8.4 | 1.021 | 2.035 | 1.4 | 19.3 |
| 8 19 | 20 59.30 | -24 22.2 | 1.445 | 2.430 | 7.1 | 20.5 | 8 19 | 20 59.65 | -19 6.5 | 1.047 | 2.043 | 7.1 | 19.7 |
| 8 29 | 20 51.19 | -24 26.9 | 1.506 | 2.444 | 11.2 | 20.7 | 8 29 | 20 52.02 | -19 51.1 | 1.096 | 2.052 | 12.5 | 20.0 |
| 9 8 | 20 45.59 | -24 17.1 | 1.589 | 2.458 | 14.8 | 21.0 | 9 8 | 20 47.32 | -20 19.0 | 1.164 | 2.061 | 17.0 | 20.3 |
| 70415 | 1999 <i>SJ</i> ₁₁ | | 8 7.5 184°32' | 2°3' | 5.7 | 18 | 436529 | 2011 <i>FW</i> ₁₄₀ | | 8 7.5 65°94' | 10°5' | 31.8 | 17 |
| 6 30 | 21 36.32 | -19 33.1 | 1.997 | 2.836 | 13.8 | 18.9 | 6 30 | 21 44.66 | -40 10.8 | 1.625 | 2.469 | 16.3 | 20.0 |
| 7 10 | 21 32.25 | -20 22.2 | 1.918 | 2.836 | 10.7 | 18.7 | 7 10 | 21 39.67 | -41 38.2 | 1.583 | 2.482 | 13.7 | 19.9 |
| 7 20 | 21 25.99 | -21 18.6 | 1.862 | 2.836 | 7.2 | 18.4 | 7 20 | 21 31.36 | -42 55.0 | 1.560 | 2.495 | 11.6 | 19.8 |
| 7 30 | 21 18.05 | -22 17.3 | 1.831 | 2.836 | 3.6 | 18.2 | 7 30 | 21 20.61 | -43 50.6 | 1.560 | 2.508 | 10.5 | 19.7 |
| 8 9 | 21 9.24 | -23 12.3 | 1.827 | 2.835 | 2.7 | 18.2 | 8 9 | 21 8.84 | -44 17.1 | 1.584 | 2.522 | 11.0 | 19.8 |
| 8 19 | 21 0.50 | -23 58.4 | 1.851 | 2.835 | 5.9 | 18.4 | 8 19 | 20 57.65 | -44 11.4 | 1.630 | 2.535 | 12.8 | 19.9 |
| 8 29 | 20 52.85 | -24 32.1 | 1.901 | 2.834 | 9.6 | 18.6 | 8 29 | 20 48.53 | -43 35.3 | 1.697 | 2.549 | 15.0 | 20.1 |
| 9 8 | 20 47.06 | -24 51.6 | 1.974 | 2.832 | 12.8 | 18.8 | 9 8 | 20 42.43 | -42 34.5 | 1.783 | 2.562 | 17.2 | 20.3 |
| 337298 | 2000 <i>YY</i> ₇ | | 8 7.5 274°48' | 6°1' | 2.3 | 18 | 402462 | 2006 <i>BV</i> ₁₁₂ | | 8 7.5 173°18' | 0°8' | 6.8 | 18 |
| 6 30 | 21 36.97 | -27 52.1 | 1.858 | 2.711 | 14.2 | 20.5 | 6 30 | 21 32.91 | -16 28.9 | 2.587 | 3.412 | 11.5 | 21.8 |
| 7 10 | 21 33.38 | -29 21.3 | 1.771 | 2.692 | 11.3 | 20.3 | 7 10 | 21 29.05 | -17 3.4 | 2.503 | 3.413 | 8.9 | 21.7 |
| 7 20 | 21 27.16 | -30 55.1 | 1.706 | 2.674 | 8.3 | 20.1 | 7 20 | 21 23.55 | -17 44.8 | 2.443 | 3.414 | 5.9 | 21.5 |
| 7 30 | 21 18.77 | -32 25.3 | 1.667 | 2.655 | 6.3 | 19.9 | 7 30 | 21 16.83 | -18 29.9 | 2.408 | 3.414 | 2.7 | 21.3 |
| 8 9 | 21 9.09 | -33 42.8 | 1.653 | 2.636 | 6.8 | 19.9 | 8 9 | 21 9.49 | -19 14.9 | 2.402 | 3.415 | 1.1 | 21.1 |
| 8 19 | 20 59.27 | -34 40.5 | 1.665 | 2.617 | 9.5 | 20.0 | 8 19 | 21 2.21 | -19 56.2 | 2.425 | 3.415 | 4.2 | 21.4 |
| 8 29 | 20 50.58 | -35 14.2 | 1.701 | 2.598 | 12.7 | 20.2 | 8 29 | 20 55.69 | -20 30.8 | 2.476 | 3.415 | 7.3 | 21.6 |
| 9 8 | 20 44.10 | -35 24.0 | 1.758 | 2.578 | 15.8 | 20.3 | 9 8 | 20 50.54 | -20 56.7 | 2.551 | 3.415 | 10.1 | 21.8 |
| 513807 | 2013 <i>CX</i> ₂₀₇ | | 8 7.5 216°05' | 0°3' | 7.8 | 18 | 207223 | 2005 <i>EV</i> ₁₁₅ | | 8 7.5 271°49' | 2°0' | 6.2 | 18 |
| 6 30 | 21 32.69 | -11 45.6 | 2.328 | 3.146 | 12.8 | 21.4 | 6 30 | 21 37.17 | -19 56.3 | 1.930 | 2.770 | 14.2 | 20.9 |
| 7 10 | 21 29.08 | -12 25.7 | 2.239 | 3.143 | 10.1 | 21.2 | 7 10 | 21 33.08 | -20 21.5 | 1.841 | 2.760 | 11.1 | 20.7 |
| 7 20 | 21 23.68 | -13 17.2 | 2.173 | 3.140 | 6.9 | 21.0 | 7 20 | 21 26.66 | -20 52.9 | 1.774 | 2.749 | 7.5 | 20.5 |
| 7 30 | 21 16.92 | -14 17.1 | 2.133 | 3.137 | 3.3 | 20.8 | 7 30 | 21 18.42 | -21 26.2 | 1.732 | 2.738 | 3.7 | 20.2 |
| 8 9 | 21 9.44 | -15 21.2 | 2.120 | 3.134 | 0.6 | 20.5 | 8 9 | 21 9.20 | -21 56.4 | 1.717 | 2.727 | 2.3 | 20.1 |
| 8 19 | 21 1.97 | -16 24.6 | 2.136 | 3.130 | 4.2 | 20.8 | 8 19 | 21 0.00 | -22 19.0 | 1.728 | 2.715 | 5.9 | 20.3 |
| 8 29 | 20 55.30 | -17 23.0 | 2.180 | 3.127 | 7.7 | 21.0 | 8 29 | 20 51.90 | -22 31.0 | 1.766 | 2.704 | 9.8 | 20.5 |
| 9 8 | 20 50.10 | -18 12.9 | 2.248 | 3.123 | 10.8 | 21.2 | 9 8 | 20 45.76 | -22 31.2 | 1.826 | 2.693 | 13.3 | 20.7 |
| 397157 | 2005 <i>XD</i> ₅₄ | | 8 7.5 195°07' | 5°4' | 12.3 | 18 | 507970 | 2015 <i>BA</i> ₇₅ | | 8 7.5 263°10' | 3°0' | 5.6 | 17 |
| 6 30 | 21 37.04 | + 3 39.2 | 3.219 | 3.933 | 11.7 | 21.0 | 6 30 | 21 37.42 | -19 27.2 | 1.546 | 2.399 | 16.5 | 21.6 |
| 7 10 | 21 31.85 | + 4 26.4 | 3.118 | 3.930 | 10.0 | 20.9 | 7 10 | 21 33.94 | -20 21.4 | 1.462 | 2.388 | 12.9 | 21.4 |
| 7 20 | 21 25.24 | + 5 2.3 | 3.039 | 3.927 | 8.2 | 20.8 | 7 20 | 21 27.63 | -21 26.5 | 1.399 | 2.376 | 8.8 | 21.1 |
| 7 30 | 21 17.58 | + 5 25.5 | 2.985 | 3.923 | 6.5 | 20.6 | 7 30 | 21 19.02 | -22 36.1 | 1.359 | 2.365 | 4.5 | 20.8 |
| 8 9 | 21 9.34 | + 5 35.9 | 2.958 | 3.919 | 5.4 | 20.6 | 8 9 | 21 9.09 | -23 41.9 | 1.345 | 2.353 | 3.4 | 20.7 |
| 8 19 | 21 1.09 | + 5 33.9 | 2.960 | 3.914 | 5.7 | 20.6 | 8 19 | 20 59.12 | -24 36.4 | 1.356 | 2.341 | 7.5 | 20.9 |
| 8 29 | 20 53.42 | + 5 21.3 | 2.990 | 3.909 | 7.0 | 20.7 | 8 29 | 20 50.48 | -25 14.3 | 1.392 | 2.329 | 12.0 | 21.2 |
| 9 8 | 20 46.85 | + 5 0.9 | 3.047 | 3.903 | 8.8 | 20.8 | 9 8 | 20 44.28 | -25 33.7 | 1.449 | 2.317 | 16.0 | 21.4 |
| 278280 | 2007 <i>GF</i> ₂₃ | | 8 7.5 356°24' | 4°1' | 10.1 | 18 | 123073 | 2000 <i>SF</i> ₃₁₁ | | 8 7.5 255°06' | 4°1' | 9.8 | 18 |
| 6 30 | 21 32.49 | - 5 33.1 | 1.465 | 2.292 | 18.6 | 20.9 | 6 30 | 21 38.86 | - 6 25.3 | 1.934 | 2.732 | 15.8 | 19.3 |
| 7 10 | 21 29.88 | - 5 22.3 | 1.389 | 2.290 | 15.2 | 20.7 | 7 10 | 21 34.31 | - 5 47.0 | 1.837 | 2.720 | 13.0 | 19.1 |
| 7 20 | 21 24.72 | - 5 30.9 | 1.330 | 2.288 | 11.2 | 20.4 | 7 20 | 21 27.47 | - 5 20.6 | 1.760 | 2.708 | 9.7 | 18.8 |
| 7 30 | 21 17.56 | - 5 58.5 | 1.293 | 2.287 | 7.0 | 20.2 | 7 30 | 21 18.82 | - 5 6.5 | 1.707 | 2.695 | 6.2 | 18.6 |
| 8 9 | 21 9.34 | - 6 42.0 | 1.280 | 2.286 | 4.1 | 20.0 | 8 9 | 21 9.14 | - 5 4.2 | 1.680 | 2.683 | 4.1 | 18.4 |
| 8 19 | 21 1.19 | - 7 36.3 | 1.291 | 2.286 | 6.1 | 20.1 | 8 19 | 20 59.40 | - 5 11.8 | 1.681 | 2.670 | 5.8 | 18.5 |
| 8 29 | 20 54.32 | - 8 34.6 | 1.326 | 2.287 | 10.3 | 20.4 | 8 29 | 20 50.67 | - 5 26.1 | 1.707 | 2.657 | 9.3 | 18.7 |
| 9 8 | 20 49.68 | - 9 30.4 | 1.383 | 2.288 | 14.3 | 20.6 | 9 8 | 20 43.80 | - 5 43.5 | 1.758 | 2.643 | 12.8 | 18.9 |
| 342100 | 2008 <i>SZ</i> ₆₃ | | 8 7.5 273°58' | 4°5' | 10.8 | 18 | 342739 | 2008 <i>WS</i> ₄₉ | | 8 7.5 284°39' | 4°7' | 11.0 | 17 |
| 6 30 | 21 33.80 | - 2 38.2 | 1.871 | 2.665 | 16.3 | 21.5 | 6 30 | 21 33.66 | - 2 8.9 | 1.844 | 2.637 | 16.6 | 20.7 |
| 7 10 | 21 30.49 | - 2 32.3 | 1.772 | 2.650 | 13.6 | 21.2 | 7 10 | 21 30.27 | - 2 0.8 | 1.758 | 2.635 | 13.7 | 20.5 |
| 7 20 | 21 24.97 | - 2 44.5 | 1.692 | 2.634 | 10.3 | 21.0 | 7 20 | 21 24.72 | - 2 11.0 | 1.692 | 2.633 | 10.5 | 20.3 |
| 7 30 | 21 17.66 | - 3 15.4 | 1.634 | 2.618 | 6.9 | 20.8 | 7 30 | 21 17.49 | - 2 39.9 | 1.649 | 2.631 | 7.1 | 20.1 |
| 8 9 | 21 9.31 | - 4 2.9 | 1.602 | 2.602 | 4.6 | 20.6 | 8 9 | 21 9.38 | - 3 25.1 | 1.630 | 2.629 | 4.8 | 20.0 |
| 8 19 | 21 0.84 | - 5 3.1 | 1.596 | 2.586 | 5.9 | 20.6 | 8 19 | 21 1.28 | - 4 22.8 | 1.637 | 2.627 | 5.9 | 20.0 |
| 8 29 | 20 53.28 | - 6 10.5 | 1.616 | 2.570 | 9.3 | 20.8 | 8 29 | 20 54.20 | - 5 27.0 | 1.671 | 2.625 | 9.1 | 20.2 |
| 9 8 | 20 47.53 | - 7 18.5 | 1.659 | 2.554 | 12.9 | 21.0 | 9 8 | 20 48.94 | - 6 31.7 | 1.728 | 2.623 | 12.5 | 20.4 |
| 438422 | 2006 <i>VW</i> ₈₇ | | 8 7.5 346°19' | 9°4' | 13.3 | 16 | 321853 | 2010 <i>RE</i> ₁₂₈ | | 8 7.5 80°19' | 4°9' | 10.3 | 17 |
| 6 30 | 21 31.83 | + 4 40.7 | 1.657 | 2.429 | 19.0 | 20.8 | 6 30 | 21 37.71 | - 4 39.2 | 1.431 | 2.247 | 19.5 | 20.4 |
| 7 10 | 21 29.14 | + 5 53.2 | 1.573 | 2.421 | 16.6 | 20.6 | 7 10 | 21 33.91 | - 4 13.9 | 1.361 | 2.254 | 16.0 | 20.2 |
| 7 20 | 21 24.13 | + 6 45.2 | 1.507 | 2.413 | 13.8 | 20.4 | 7 20 | 21 27.40 | - 4 7.9 | 1.310 | 2.261 | 11.9 | 20.0 |
| 7 30 | 21 17.27 | + 7 12.7 | 1.461 | 2.407 | 11.2 | 20.2 | 7 30 | 21 18.80 | - 4 21.5 | 1.279 | 2.269 | 7.7 | 19.8 |
| 8 9 | 21 9.38 | + 7 13.8 | 1.436 | 2.402 | 9.6 | 20.1 | 8 9 | 21 9.16 | - 4 52.3 | 1.273 | 2.276 | 4.9 | 19.6 |
| 8 19 | 21 1.47 | + 6 49.4 | 1.435 | 2.397 | 9.7 | 20.1 | 8 19 | 20 59.71 | - 5 35.7 | 1.291 | 2.284 | 6.6 | 19.7 |
| 8 29 | 20 54.63 | + 6 3.8 | 1.456 | 2.393 | 11.6 | 20.2 | 8 29 | 20 51.72 | - 6 25.3 | 1.334 | 2.291 | 10.6 | 20.0 |
| 9 8 | 20 49.75 | + 5 4.4 | 1.499 | 2.390 | 14.3 | 20.4 | 9 8 | 20 46.12 | - 7 14.7 | 1.399 | 2.298 | 14.5 | 20.3 |
| 9225 | Daiki | | 8 7.5 336°86' | 2°9' | 5.0 | 18 | 355646 | 2008 <i>EF</i> ₅₆ | | 8 7.5 54°49' | 2°3' | | |

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8 7.5

8 7.6

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------|---------|------|---------------|-------------------------------|-----------------|--------------|-------|---------|------|
| 340261 | 2006 <i>BY</i> ₁₅₅ | 8 7.5 341°63 | 1°0/ 8.1 18 | | | | 126529 | 2002 <i>CT</i> ₈₃ | 8 7.5 283°12 | 0°5/ 7.2 18 | | | |
| 6 30 | 21 25.85 | -10 50.7 | 1.168 | 2.039 | 19.5 | 19.4 | 6 30 | 21 34.35 | -13 25.8 | 1.753 | 2.590 | 15.6 | 20.3 |
| 7 10 | 21 25.44 | -11 16.1 | 1.088 | 2.021 | 15.6 | 19.1 | 7 10 | 21 31.26 | -14 12.2 | 1.652 | 2.568 | 12.3 | 20.1 |
| 7 20 | 21 22.19 | -12 3.1 | 1.026 | 2.005 | 10.9 | 18.7 | 7 20 | 21 25.72 | -15 14.1 | 1.572 | 2.545 | 8.4 | 19.8 |
| 7 30 | 21 16.55 | -13 9.1 | 0.984 | 1.990 | 5.5 | 18.4 | 7 30 | 21 18.14 | -16 27.5 | 1.516 | 2.523 | 4.0 | 19.5 |
| 8 9 | 21 9.53 | -14 27.2 | 0.963 | 1.977 | 1.1 | 18.1 | 8 9 | 21 9.31 | -17 46.4 | 1.486 | 2.500 | 1.0 | 19.2 |
| 8 19 | 21 2.43 | -15 48.3 | 0.965 | 1.965 | 6.5 | 18.4 | 8 19 | 21 0.26 | -19 3.5 | 1.483 | 2.477 | 5.8 | 19.5 |
| 8 29 | 20 56.75 | -17 2.5 | 0.989 | 1.955 | 12.2 | 18.7 | 8 29 | 20 52.18 | -20 12.0 | 1.506 | 2.454 | 10.4 | 19.7 |
| 9 8 | 20 53.67 | -18 2.4 | 1.032 | 1.947 | 17.1 | 18.9 | 9 8 | 20 46.11 | -21 6.9 | 1.551 | 2.430 | 14.6 | 19.9 |
| 318501 | 2005 <i>EX</i> ₁₄₇ | 8 7.5 41°95 | 0°8/ 7.1 17 | | | | 133625 | 2003 <i>UC</i> ₁₂₉ | 8 7.5 30°89 | 3°1/ 5.5 17 | | | |
| 6 30 | 21 36.01 | -14 58.6 | 1.202 | 2.065 | 19.6 | 20.7 | 6 30 | 21 36.37 | -21 37.0 | 1.684 | 2.537 | 15.4 | 20.2 |
| 7 10 | 21 33.01 | -15 30.2 | 1.148 | 2.078 | 15.3 | 20.4 | 7 10 | 21 32.67 | -22 19.5 | 1.616 | 2.541 | 11.9 | 20.0 |
| 7 20 | 21 26.95 | -16 16.4 | 1.113 | 2.092 | 10.3 | 20.2 | 7 20 | 21 26.46 | -23 7.9 | 1.568 | 2.545 | 8.1 | 19.8 |
| 7 30 | 21 18.60 | -17 11.3 | 1.099 | 2.106 | 4.7 | 19.9 | 7 30 | 21 18.35 | -23 56.4 | 1.544 | 2.549 | 4.3 | 19.6 |
| 8 9 | 21 9.22 | -18 7.1 | 1.108 | 2.122 | 1.3 | 19.7 | 8 9 | 21 9.31 | -24 38.4 | 1.546 | 2.553 | 3.5 | 19.5 |
| 8 19 | 21 0.24 | -18 56.3 | 1.142 | 2.137 | 6.7 | 20.1 | 8 19 | 21 0.47 | -25 8.8 | 1.574 | 2.557 | 6.9 | 19.7 |
| 8 29 | 20 53.04 | -19 33.2 | 1.198 | 2.153 | 11.7 | 20.5 | 8 29 | 20 52.96 | -25 24.3 | 1.627 | 2.562 | 10.7 | 20.0 |
| 9 8 | 20 48.59 | -19 55.2 | 1.275 | 2.170 | 16.0 | 20.8 | 9 8 | 20 47.66 | -25 24.6 | 1.702 | 2.567 | 14.2 | 20.2 |
| 301248 | 2009 <i>BR</i> ₄₇ | 8 7.5 49°51 | 0°3/ 7.7 18 | | | | 358872 | 2008 <i>FJ</i> ₁₂₃ | 8 7.5 115°89 | 1°7/ 9.0 18 | | | |
| 6 30 | 21 36.11 | -14 12.4 | 1.837 | 2.670 | 15.1 | 21.3 | 6 30 | 21 33.13 | - 8 54.5 | 2.375 | 3.181 | 13.0 | 21.5 |
| 7 10 | 21 32.13 | -14 20.2 | 1.762 | 2.674 | 11.9 | 21.1 | 7 10 | 21 29.29 | - 9 9.2 | 2.294 | 3.187 | 10.3 | 21.3 |
| 7 20 | 21 25.92 | -14 37.7 | 1.708 | 2.679 | 8.1 | 20.9 | 7 20 | 21 23.76 | - 9 35.2 | 2.234 | 3.192 | 7.3 | 21.1 |
| 7 30 | 21 18.03 | -15 2.1 | 1.678 | 2.683 | 3.9 | 20.6 | 7 30 | 21 16.97 | -10 10.7 | 2.200 | 3.198 | 4.0 | 20.9 |
| 8 9 | 21 9.32 | -15 29.4 | 1.675 | 2.688 | 0.6 | 20.4 | 8 9 | 21 9.55 | -10 52.7 | 2.193 | 3.204 | 1.7 | 20.7 |
| 8 19 | 21 0.77 | -15 55.4 | 1.698 | 2.693 | 4.9 | 20.7 | 8 19 | 21 2.22 | -11 37.5 | 2.214 | 3.209 | 4.0 | 20.9 |
| 8 29 | 20 53.39 | -16 16.8 | 1.747 | 2.698 | 9.0 | 21.0 | 8 29 | 20 55.71 | -12 21.4 | 2.263 | 3.215 | 7.2 | 21.1 |
| 9 8 | 20 47.94 | -16 31.0 | 1.820 | 2.703 | 12.5 | 21.2 | 9 8 | 20 50.64 | -13 1.1 | 2.337 | 3.220 | 10.2 | 21.3 |
| 36889 | 2000 <i>SW</i> ₁₆₆ | 8 7.5 143°39 | 5°0/11.6 18 | | | | 364144 | 2006 <i>DN</i> ₁₃₅ | 8 7.5 32°93 | 4°1/ 5.9 17 | | | |
| 6 30 | 21 33.46 | - 0 22.5 | 2.272 | 3.042 | 14.5 | 19.3 | 6 30 | 21 41.60 | -23 43.9 | 1.073 | 1.950 | 20.5 | 20.3 |
| 7 10 | 21 29.64 | - 0 0.7 | 2.185 | 3.043 | 12.2 | 19.1 | 7 10 | 21 37.86 | -23 57.4 | 1.022 | 1.959 | 16.1 | 20.1 |
| 7 20 | 21 24.05 | + 0 5.9 | 2.119 | 3.044 | 9.5 | 19.0 | 7 20 | 21 30.46 | -24 14.4 | 0.988 | 1.969 | 11.0 | 19.8 |
| 7 30 | 21 17.12 | - 0 3.4 | 2.075 | 3.045 | 6.8 | 18.8 | 7 30 | 21 20.31 | -24 27.7 | 0.974 | 1.979 | 5.9 | 19.6 |
| 8 9 | 21 9.49 | - 0 27.5 | 2.057 | 3.047 | 5.1 | 18.7 | 8 9 | 21 8.99 | -24 29.6 | 0.983 | 1.991 | 4.5 | 19.5 |
| 8 19 | 21 1.90 | - 1 3.9 | 2.067 | 3.048 | 5.7 | 18.8 | 8 19 | 20 58.31 | -24 16.0 | 1.014 | 2.003 | 8.7 | 19.8 |
| 8 29 | 20 55.14 | - 1 48.7 | 2.103 | 3.049 | 8.0 | 18.9 | 8 29 | 20 49.91 | -23 46.1 | 1.067 | 2.016 | 13.6 | 20.1 |
| 9 8 | 20 49.86 | - 2 37.4 | 2.164 | 3.050 | 10.7 | 19.1 | 9 8 | 20 44.84 | -23 2.3 | 1.140 | 2.029 | 17.9 | 20.5 |
| 389169 | 2009 <i>BE</i> ₉₃ | 8 7.5 40°24 | 0°6/ 7.8 16 | | | | 251803 | 1999 <i>TV</i> ₅₁ | 8 7.5 192°20 | 6°2/14.3 18 | | | |
| 6 30 | 21 42.47 | -16 42.7 | 1.561 | 2.399 | 17.1 | 20.2 | 6 30 | 21 32.12 | + 7 58.1 | 2.935 | 3.638 | 12.9 | 21.4 |
| 7 10 | 21 37.15 | -16 6.0 | 1.503 | 2.418 | 13.4 | 20.0 | 7 10 | 21 28.24 | + 8 17.2 | 2.838 | 3.637 | 11.2 | 21.3 |
| 7 20 | 21 29.25 | -15 35.6 | 1.466 | 2.437 | 9.1 | 19.8 | 7 20 | 21 22.93 | + 8 20.5 | 2.761 | 3.635 | 9.4 | 21.1 |
| 7 30 | 21 19.52 | -15 9.7 | 1.453 | 2.458 | 4.3 | 19.5 | 7 30 | 21 16.56 | + 8 6.6 | 2.707 | 3.632 | 7.6 | 21.0 |
| 8 9 | 21 9.10 | -14 45.8 | 1.465 | 2.479 | 0.8 | 19.3 | 8 9 | 21 9.62 | + 7 35.8 | 2.677 | 3.630 | 6.4 | 20.9 |
| 8 19 | 20 59.19 | -14 22.4 | 1.504 | 2.500 | 5.4 | 19.7 | 8 19 | 21 2.68 | + 6 50.0 | 2.675 | 3.627 | 6.4 | 20.9 |
| 8 29 | 20 50.90 | -13 58.1 | 1.569 | 2.522 | 9.7 | 20.0 | 8 29 | 20 56.35 | + 5 52.1 | 2.700 | 3.623 | 7.5 | 21.0 |
| 9 8 | 20 45.01 | -13 31.9 | 1.657 | 2.544 | 13.4 | 20.3 | 9 8 | 20 51.15 | + 4 46.7 | 2.751 | 3.619 | 9.3 | 21.1 |
| 481759 | 2008 <i>KZ</i> ₁ | 8 7.5 74°56 | 11°7/20.8 17 | | | | 222594 | 2001 <i>XM</i> ₄ | 8 7.5 295°85 | 15°4/23.9 16 | | | |
| 6 30 | 21 33.13 | +21 56.3 | 2.458 | 3.066 | 17.1 | 20.7 | 6 30 | 21 37.32 | -36 27.2 | 1.064 | 1.950 | 20.0 | 19.6 |
| 7 10 | 21 29.41 | +23 9.0 | 2.382 | 3.074 | 15.8 | 20.6 | 7 10 | 21 36.33 | -40 25.8 | 1.012 | 1.938 | 17.2 | 19.4 |
| 7 20 | 21 23.91 | +23 58.8 | 2.321 | 3.081 | 14.5 | 20.5 | 7 20 | 21 30.88 | -44 26.7 | 0.981 | 1.926 | 15.6 | 19.2 |
| 7 30 | 21 17.06 | +24 21.8 | 2.277 | 3.089 | 13.2 | 20.4 | 7 30 | 21 21.23 | -48 5.3 | 0.972 | 1.915 | 15.8 | 19.2 |
| 8 9 | 21 9.50 | +24 15.7 | 2.253 | 3.097 | 12.2 | 20.4 | 8 9 | 21 8.73 | -50 58.3 | 0.983 | 1.904 | 17.8 | 19.3 |
| 8 19 | 21 1.96 | +23 40.9 | 2.249 | 3.105 | 11.7 | 20.3 | 8 19 | 20 55.73 | -52 51.5 | 1.014 | 1.893 | 20.8 | 19.4 |
| 8 29 | 20 55.23 | +22 40.4 | 2.268 | 3.113 | 11.9 | 20.4 | 8 29 | 20 45.09 | -53 43.0 | 1.060 | 1.883 | 23.9 | 19.6 |
| 9 8 | 20 49.97 | +21 20.0 | 2.308 | 3.121 | 12.7 | 20.4 | 9 8 | 20 38.98 | -53 41.2 | 1.118 | 1.872 | 26.7 | 19.8 |
| 38837 | 2000 <i>SM</i> ₂₃ | 8 7.5 255°72 | 1°0/ 8.3 18 | | | | 376451 | 2012 <i>HW</i> ₆₂ | 8 7.5 82°10 | 2°5/ 6.1 17 | | | |
| 6 30 | 21 34.44 | - 9 49.7 | 1.982 | 2.799 | 14.7 | 19.0 | 6 30 | 21 39.78 | -19 13.1 | 1.496 | 2.347 | 17.1 | 21.2 |
| 7 10 | 21 30.91 | -10 26.7 | 1.883 | 2.785 | 11.8 | 18.8 | 7 10 | 21 35.44 | -19 56.2 | 1.439 | 2.363 | 13.2 | 21.0 |
| 7 20 | 21 25.22 | -11 19.1 | 1.806 | 2.770 | 8.2 | 18.6 | 7 20 | 21 28.35 | -20 47.7 | 1.402 | 2.379 | 8.8 | 20.8 |
| 7 30 | 21 17.80 | -12 24.2 | 1.753 | 2.755 | 4.2 | 18.3 | 7 30 | 21 19.22 | -21 41.2 | 1.388 | 2.394 | 4.3 | 20.6 |
| 8 9 | 21 9.36 | -13 37.3 | 1.726 | 2.739 | 1.0 | 18.0 | 8 9 | 21 9.18 | -22 29.3 | 1.400 | 2.410 | 2.9 | 20.5 |
| 8 19 | 21 0.81 | -14 52.5 | 1.728 | 2.724 | 4.8 | 18.3 | 8 19 | 20 59.51 | -23 6.4 | 1.438 | 2.425 | 6.8 | 20.8 |
| 8 29 | 20 53.14 | -16 3.7 | 1.757 | 2.707 | 8.9 | 18.5 | 8 29 | 20 51.45 | -23 28.8 | 1.500 | 2.441 | 11.0 | 21.1 |
| 9 8 | 20 47.22 | -17 6.1 | 1.810 | 2.691 | 12.7 | 18.7 | 9 8 | 20 45.86 | -23 35.9 | 1.584 | 2.456 | 14.7 | 21.4 |
| 391501 | 2007 <i>PV</i> ₃₄ | 8 7.5 344°40 | 1°3/ 6.9 18 | | | | 304739 | 2006 <i>XE</i> ₅₇ | 8 7.6 214°04 | 1°3/ 6.3 18 | | | |
| 6 30 | 21 35.19 | -19 29.7 | 1.312 | 2.180 | 18.0 | 19.7 | 6 30 | 21 34.78 | -18 14.1 | 2.673 | 3.497 | 11.2 | 22.3 |
| 7 10 | 21 32.50 | -19 18.8 | 1.235 | 2.167 | 14.2 | 19.4 | 7 10 | 21 30.54 | -18 51.9 | 2.581 | 3.490 | 8.7 | 22.2 |
| 7 20 | 21 26.77 | -19 14.0 | 1.176 | 2.156 | 9.7 | 19.2 | 7 20 | 21 24.61 | -19 35.7 | 2.512 | 3.483 | 5.8 | 22.0 |
| 7 30 | 21 18.64 | -19 11.5 | 1.139 | 2.147 | 4.6 | 18.8 | 7 30 | 21 17.40 | -20 22.2 | 2.470 | 3.476 | 2.8 | 21.8 |
| 8 9 | 21 9.24 | -19 6.7 | 1.125 | 2.138 | 1.7 | 18.6 | 8 9 | 21 9.51 | -21 7.3 | 2.457 | 3.467 | 1.6 | 21.7 |
| 8 19 | 20 59.96 | -18 55.7 | 1.135 | 2.131 | 6.7 | 18.9 | 8 19 | 21 1.62 | -21 47.5 | 2.473 | 3.459 | 4.4 | 21.9 |
| 8 29 | 20 52.26 | -18 36.3 | 1.168 | 2.125 | 11.8 | 19.2 | 8 29 | 20 54.46 | -22 19.9 | 2.516 | 3.450 | 7.5 | 22.0 |
| 9 8 | 20 47.25 | -18 7.8 | 1.222 | 2.120 | 16.3 | 19.4 | 9 8 | 20 48.67 | -22 42.6 | 2.585 | 3.441 | 10.2 | 22.2 |
| 375826 | 2009 <i>UC</i> ₇₃ | 8 7.5 312°15 | 4°8/ 5.1 17 | | | | 521416 | 2015 <i>MR</i> ₁₄₆ | 8 7.6 273°67 | 1 | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|----------|---------|------|---------------|------------------------|-----------------|--------------|----------|---------|------|
| 1417 | Walinska | | 8 7.6 43°94 | 2°8/ 5.3 | 18 | | 510972 | 2013 GZ ₁₀₃ | | 8 7.6 166°52 | 1°9/ 9.5 | 18 | |
| 6 30 | 21 34.09 | -20 38.4 | 1.951 | 2.798 | 13.8 | 15.5 | 6 30 | 21 33.56 | -7 25.7 | 2.977 | 3.763 | 11.1 | 22.8 |
| 7 10 | 21 30.56 | -21 34.9 | 1.881 | 2.803 | 10.7 | 15.3 | 7 10 | 21 29.28 | -7 37.4 | 2.889 | 3.768 | 8.9 | 22.7 |
| 7 20 | 21 24.88 | -22 38.1 | 1.834 | 2.809 | 7.2 | 15.1 | 7 20 | 21 23.60 | -7 58.7 | 2.822 | 3.772 | 6.3 | 22.5 |
| 7 30 | 21 17.58 | -23 42.2 | 1.811 | 2.815 | 3.8 | 14.9 | 7 30 | 21 16.90 | -8 28.5 | 2.782 | 3.776 | 3.7 | 22.4 |
| 8 9 | 21 9.49 | -24 41.1 | 1.815 | 2.821 | 3.2 | 14.9 | 8 9 | 21 9.68 | -9 4.5 | 2.771 | 3.779 | 1.9 | 22.2 |
| 8 19 | 21 1.53 | -25 29.5 | 1.847 | 2.828 | 6.2 | 15.1 | 8 19 | 21 2.50 | -9 44.0 | 2.789 | 3.782 | 3.4 | 22.3 |
| 8 29 | 20 54.66 | -26 3.9 | 1.904 | 2.834 | 9.7 | 15.3 | 8 29 | 20 55.97 | -10 24.1 | 2.836 | 3.784 | 6.1 | 22.5 |
| 9 8 | 20 49.66 | -26 23.0 | 1.984 | 2.841 | 12.8 | 15.5 | 9 8 | 20 50.59 | -11 1.9 | 2.909 | 3.786 | 8.6 | 22.7 |
| 437629 | 2014 BS ₃₁ | | 8 7.6 237°95 | 1°8/ 6.0 | 18 | | 136300 | 2004 BU ₁₄ | | 8 7.6 268°92 | 0°6/ 7.1 | 18 | |
| 6 30 | 21 34.56 | -15 40.7 | 1.905 | 2.743 | 14.5 | 20.6 | 6 30 | 21 34.24 | -14 49.8 | 1.982 | 2.816 | 14.2 | 20.1 |
| 7 10 | 21 31.10 | -16 55.2 | 1.820 | 2.737 | 11.3 | 20.4 | 7 10 | 21 30.71 | -15 26.3 | 1.896 | 2.809 | 11.1 | 19.9 |
| 7 20 | 21 25.40 | -18 22.8 | 1.757 | 2.731 | 7.5 | 20.1 | 7 20 | 21 25.05 | -16 13.5 | 1.830 | 2.803 | 7.5 | 19.7 |
| 7 30 | 21 17.91 | -19 58.1 | 1.719 | 2.725 | 3.6 | 19.9 | 7 30 | 21 17.73 | -17 7.7 | 1.790 | 2.796 | 3.5 | 19.4 |
| 8 9 | 21 9.42 | -21 33.6 | 1.708 | 2.719 | 2.2 | 19.8 | 8 9 | 21 9.52 | -18 4.0 | 1.776 | 2.790 | 1.0 | 19.2 |
| 8 19 | 21 0.87 | -23 1.7 | 1.725 | 2.712 | 6.0 | 20.0 | 8 19 | 21 1.32 | -18 56.9 | 1.790 | 2.783 | 5.1 | 19.5 |
| 8 29 | 20 53.33 | -24 16.3 | 1.769 | 2.705 | 9.9 | 20.2 | 8 29 | 20 54.09 | -19 42.0 | 1.830 | 2.776 | 9.0 | 19.7 |
| 9 8 | 20 47.67 | -25 14.0 | 1.837 | 2.699 | 13.5 | 20.5 | 9 8 | 20 48.64 | -20 16.3 | 1.894 | 2.770 | 12.5 | 19.9 |
| 7267 | Victormeen | | 8 7.6 173°78 | 8°1/ 1.8 | 18 | | 249771 | 2000 VS ₅₃ | | 8 7.6 310°18 | 0°7/ 7.9 | 18 | |
| 6 30 | 21 53.07 | -40 27.7 | 2.324 | 3.131 | 13.2 | 18.8 | 6 30 | 21 35.94 | -14 7.6 | 1.258 | 2.116 | 19.2 | 20.4 |
| 7 10 | 21 45.31 | -41 27.3 | 2.259 | 3.136 | 11.1 | 18.6 | 7 10 | 21 33.38 | -14 0.6 | 1.171 | 2.097 | 15.4 | 20.1 |
| 7 20 | 21 34.78 | -42 18.3 | 2.216 | 3.140 | 9.2 | 18.5 | 7 20 | 21 27.65 | -14 6.6 | 1.102 | 2.079 | 10.7 | 19.8 |
| 7 30 | 21 22.20 | -42 52.6 | 2.199 | 3.143 | 8.2 | 18.5 | 7 30 | 21 19.24 | -14 23.4 | 1.054 | 2.061 | 5.3 | 19.4 |
| 8 9 | 21 8.72 | -43 4.2 | 2.209 | 3.144 | 8.5 | 18.5 | 8 9 | 21 9.24 | -14 46.2 | 1.029 | 2.043 | 1.0 | 19.1 |
| 8 19 | 20 55.63 | -42 50.5 | 2.245 | 3.145 | 10.0 | 18.6 | 8 19 | 20 59.10 | -15 9.6 | 1.028 | 2.026 | 6.7 | 19.4 |
| 8 29 | 20 44.19 | -42 12.6 | 2.306 | 3.145 | 12.0 | 18.7 | 8 29 | 20 50.43 | -15 28.3 | 1.049 | 2.009 | 12.3 | 19.7 |
| 9 8 | 20 35.29 | -41 14.6 | 2.389 | 3.144 | 14.0 | 18.9 | 9 8 | 20 44.56 | -15 38.5 | 1.090 | 1.994 | 17.4 | 19.9 |
| 482740 | 2013 EB ₁₁₄ | | 8 7.6 179°74 | 1°1/ 6.5 | 18 | | 383976 | 2008 TP ₁₀₂ | | 8 7.6 227°23 | 1°3/ 8.5 | 18 | |
| 6 30 | 21 33.39 | -16 7.2 | 2.471 | 3.297 | 11.9 | 21.6 | 6 30 | 21 35.73 | -10 51.3 | 1.880 | 2.702 | 15.3 | 21.9 |
| 7 10 | 21 29.57 | -16 59.9 | 2.387 | 3.298 | 9.3 | 21.4 | 7 10 | 21 31.91 | -11 4.6 | 1.795 | 2.699 | 12.1 | 21.7 |
| 7 20 | 21 24.01 | -18 1.1 | 2.326 | 3.298 | 6.2 | 21.2 | 7 20 | 21 25.87 | -11 30.6 | 1.731 | 2.696 | 8.4 | 21.4 |
| 7 30 | 21 17.14 | -19 6.7 | 2.292 | 3.298 | 2.9 | 21.0 | 7 30 | 21 18.13 | -12 7.2 | 1.691 | 2.693 | 4.4 | 21.2 |
| 8 9 | 21 9.59 | -20 12.2 | 2.286 | 3.298 | 1.4 | 20.9 | 8 9 | 21 9.46 | -12 50.4 | 1.676 | 2.689 | 1.3 | 21.0 |
| 8 19 | 21 2.07 | -21 12.9 | 2.310 | 3.298 | 4.5 | 21.1 | 8 19 | 21 0.84 | -13 35.5 | 1.689 | 2.685 | 4.8 | 21.2 |
| 8 29 | 20 55.33 | -22 4.9 | 2.360 | 3.297 | 7.8 | 21.3 | 8 29 | 20 53.26 | -14 17.8 | 1.729 | 2.682 | 8.9 | 21.4 |
| 9 8 | 20 50.01 | -22 45.9 | 2.436 | 3.296 | 10.6 | 21.5 | 9 8 | 20 47.56 | -14 53.6 | 1.792 | 2.678 | 12.6 | 21.7 |
| 469960 | 2006 DG ₅ | | 8 7.6 70°59 | 6°9/ 5.5 | 16 | | 355743 | 2008 HK ₁₆ | | 8 7.6 103°08 | 1°1/ 8.7 | 18 | |
| 6 30 | 21 58.92 | -36 0.9 | 1.720 | 2.540 | 16.5 | 20.6 | 6 30 | 21 33.07 | -9 31.5 | 2.423 | 3.230 | 12.7 | 21.2 |
| 7 10 | 21 50.06 | -35 56.5 | 1.655 | 2.551 | 13.5 | 20.4 | 7 10 | 21 29.21 | -10 2.0 | 2.348 | 3.242 | 10.0 | 21.1 |
| 7 20 | 21 37.95 | -35 41.2 | 1.611 | 2.561 | 10.2 | 20.2 | 7 20 | 21 23.69 | -10 43.8 | 2.294 | 3.255 | 7.0 | 20.9 |
| 7 30 | 21 23.60 | -35 7.7 | 1.592 | 2.571 | 7.6 | 20.1 | 7 30 | 21 16.98 | -11 34.4 | 2.266 | 3.267 | 3.6 | 20.7 |
| 8 9 | 21 8.55 | -34 11.4 | 1.599 | 2.581 | 7.1 | 20.1 | 8 9 | 21 9.67 | -12 30.2 | 2.266 | 3.279 | 1.1 | 20.5 |
| 8 19 | 20 54.42 | -32 52.4 | 1.635 | 2.592 | 9.2 | 20.3 | 8 19 | 21 2.48 | -13 27.0 | 2.295 | 3.291 | 3.8 | 20.7 |
| 8 29 | 20 42.62 | -31 15.2 | 1.698 | 2.602 | 12.3 | 20.5 | 8 29 | 20 56.11 | -14 20.9 | 2.352 | 3.302 | 7.0 | 21.0 |
| 9 8 | 20 34.00 | -29 26.6 | 1.785 | 2.613 | 15.3 | 20.7 | 9 8 | 20 51.14 | -15 8.5 | 2.434 | 3.313 | 9.9 | 21.2 |
| 4219 | Nakamura | | 8 7.6 93°92 | 0°2/ 7.7 | 18 | | 256470 | 2007 DC ₃₆ | | 8 7.6 235°91 | 3°4/ 4.9 | 18 | |
| 6 30 | 21 37.60 | -12 55.2 | 1.652 | 2.486 | 16.5 | 17.6 | 6 30 | 21 38.90 | -26 34.0 | 2.451 | 3.284 | 11.8 | 20.9 |
| 7 10 | 21 33.49 | -13 25.0 | 1.587 | 2.499 | 12.9 | 17.4 | 7 10 | 21 33.92 | -26 57.1 | 2.367 | 3.279 | 9.3 | 20.8 |
| 7 20 | 21 26.94 | -14 7.8 | 1.542 | 2.512 | 8.8 | 17.1 | 7 20 | 21 26.97 | -27 20.2 | 2.305 | 3.273 | 6.5 | 20.6 |
| 7 30 | 21 18.58 | -14 59.5 | 1.520 | 2.525 | 4.2 | 16.9 | 7 30 | 21 18.55 | -27 39.2 | 2.270 | 3.267 | 4.0 | 20.4 |
| 8 9 | 21 9.36 | -15 54.5 | 1.525 | 2.538 | 0.7 | 16.7 | 8 9 | 21 9.41 | -27 50.0 | 2.263 | 3.261 | 3.7 | 20.4 |
| 8 19 | 21 0.38 | -16 46.7 | 1.556 | 2.551 | 5.3 | 17.0 | 8 19 | 21 0.39 | -27 49.9 | 2.283 | 3.255 | 6.0 | 20.5 |
| 8 29 | 20 52.74 | -17 31.3 | 1.613 | 2.563 | 9.6 | 17.3 | 8 29 | 20 52.36 | -27 37.6 | 2.331 | 3.248 | 8.8 | 20.7 |
| 9 8 | 20 47.24 | -18 5.1 | 1.693 | 2.576 | 13.4 | 17.6 | 9 8 | 20 46.00 | -27 13.6 | 2.403 | 3.242 | 11.5 | 20.9 |
| 470605 | 2008 QF ₄₃ | | 8 7.6 350°41 | 1°8/ 6.8 | 17 | | 510891 | 2013 CU ₁₇₀ | | 8 7.6 83°14 | 1°4/ 6.7 | 18 | |
| 6 30 | 21 29.43 | -18 58.4 | 1.052 | 1.941 | 19.8 | 20.4 | 6 30 | 21 38.70 | -20 4.9 | 2.231 | 3.061 | 12.9 | 21.3 |
| 7 10 | 21 28.61 | -19 0.8 | 0.983 | 1.929 | 15.6 | 20.1 | 7 10 | 21 33.70 | -20 10.2 | 2.160 | 3.072 | 10.0 | 21.2 |
| 7 20 | 21 24.49 | -19 12.9 | 0.932 | 1.918 | 10.6 | 19.8 | 7 20 | 21 26.75 | -20 19.1 | 2.112 | 3.083 | 6.7 | 21.0 |
| 7 30 | 21 17.70 | -19 29.7 | 0.900 | 1.909 | 5.0 | 19.5 | 7 30 | 21 18.41 | -20 28.5 | 2.089 | 3.094 | 3.2 | 20.8 |
| 8 9 | 21 9.49 | -19 45.0 | 0.889 | 1.901 | 2.2 | 19.3 | 8 9 | 21 9.45 | -20 35.0 | 2.094 | 3.105 | 1.6 | 20.7 |
| 8 19 | 21 1.42 | -19 52.6 | 0.899 | 1.896 | 7.6 | 19.6 | 8 19 | 21 0.73 | -20 36.0 | 2.127 | 3.116 | 4.8 | 20.9 |
| 8 29 | 20 55.12 | -19 48.4 | 0.930 | 1.893 | 13.2 | 19.9 | 8 29 | 20 53.08 | -20 30.0 | 2.187 | 3.127 | 8.1 | 21.1 |
| 9 8 | 20 51.80 | -19 31.0 | 0.980 | 1.892 | 18.0 | 20.2 | 9 8 | 20 47.17 | -20 16.6 | 2.273 | 3.138 | 11.1 | 21.4 |
| 351193 | 2004 CH ₇₈ | | 8 7.6 284°10 | 1°2/ 8.5 | 18 | | 165619 | 2001 FA ₁₀₇ | | 8 7.6 231°53 | 1°5/ 6.6 | 18 | |
| 6 30 | 21 33.70 | -9 48.8 | 2.007 | 2.825 | 14.6 | 21.0 | 6 30 | 21 38.91 | -17 3.7 | 1.772 | 2.609 | 15.4 | 20.6 |
| 7 10 | 21 30.41 | -10 15.3 | 1.899 | 2.801 | 11.7 | 20.7 | 7 10 | 21 34.72 | -17 43.0 | 1.683 | 2.599 | 12.1 | 20.3 |
| 7 20 | 21 24.97 | -10 56.4 | 1.812 | 2.776 | 8.2 | 20.5 | 7 20 | 21 27.99 | -18 32.7 | 1.615 | 2.589 | 8.2 | 20.1 |
| 7 30 | 21 17.77 | -11 50.3 | 1.749 | 2.751 | 4.3 | 20.2 | 7 30 | 21 19.22 | -19 28.2 | 1.572 | 2.578 | 3.9 | 19.8 |
| 8 9 | 21 9.49 | -12 53.0 | 1.712 | 2.725 | 1.3 | 19.9 | 8 9 | 21 9.29 | -20 23.4 | 1.555 | 2.566 | 1.9 | 19.6 |
| 8 19 | 21 1.00 | -13 59.2 | 1.703 | 2.700 | 4.8 | 20.1 | 8 19 | 20 59.32 | -21 12.0 | 1.565 | 2.554 | 6.1 | 19.9 |
| 8 29 | 20 53.33 | -15 3.3 | 1.721 | 2.674 | 9.0 | 20.3 | 8 29 | 20 50.50 | -21 49.4 | 1.601 | 2.542 | 10.4 | 20.1 |
| 9 8 | 20 47.35 | -16 0.4 | 1.763 | 2.648 | 12.8 | 20.5 | 9 8 | 20 43.82 | -22 13.1 | 1.659 | 2.529 | 14.3 | 20.3 |
| 321111 | 2008 TK ₁₀₈ | | 8 7.6 219°26 | 1°4/ 6.5 | 18 | | 214167 | 2005 CU ₃₆ | | 8 7.6 52°61 | 1°2/ 6.9 | 17 | |
| 6 30 | 21 36.88 | -17 32.6 | 1.996 | 2.830 | 14.0 | 21.0 | 6 30 | 21 38.34 | -15 | | | | |

EPHEMERIDES

8 7.6

8 7.6

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|---------------|--------------|---------|------|---------------|------------------------|-----------------|---------------|--------------|---------|------|
| 156348 | 2001 XW ₁₇₁ | | 8 7.6 62°26' | 5°8/ 3.1 18 | | | 4650 | Mori | | 8 7.6 290°77' | 0°6/ 7.9 18 | | |
| 6 30 | 21 36.45 | -24 42.1 | 1.557 | 2.419 | 16.0 | 19.6 | 6 30 | 21 38.82 | -14 30.0 | 1.369 | 2.217 | 18.5 | 16.9 |
| 7 10 | 21 33.08 | -26 25.7 | 1.501 | 2.429 | 12.5 | 19.5 | 7 10 | 21 35.41 | -14 21.5 | 1.280 | 2.200 | 14.8 | 16.6 |
| 7 20 | 21 26.95 | -28 15.0 | 1.466 | 2.440 | 8.8 | 19.3 | 7 20 | 21 28.92 | -14 24.5 | 1.209 | 2.183 | 10.3 | 16.3 |
| 7 30 | 21 18.71 | -30 0.0 | 1.456 | 2.451 | 6.1 | 19.1 | 7 30 | 21 19.84 | -14 36.5 | 1.161 | 2.166 | 5.1 | 15.9 |
| 8 9 | 21 9.42 | -31 30.4 | 1.472 | 2.463 | 6.4 | 19.2 | 8 9 | 21 9.24 | -14 53.3 | 1.136 | 2.149 | 0.9 | 15.6 |
| 8 19 | 21 0.34 | -32 38.8 | 1.512 | 2.474 | 9.3 | 19.4 | 8 19 | 20 58.51 | -15 9.9 | 1.135 | 2.132 | 6.4 | 15.9 |
| 8 29 | 20 52.74 | -33 21.5 | 1.576 | 2.486 | 12.7 | 19.6 | 8 29 | 20 49.20 | -15 21.9 | 1.159 | 2.115 | 11.8 | 16.2 |
| 9 8 | 20 47.59 | -33 39.2 | 1.661 | 2.497 | 15.9 | 19.9 | 9 8 | 20 42.58 | -15 26.3 | 1.203 | 2.099 | 16.7 | 16.4 |
| 262071 | 2006 RY ₄₉ | | 8 7.6 22°65' | 2°0/ 8.6 17 | | | 288948 | 2004 SF ₅₃ | | 8 7.6 315°62' | 4°6/ 10.5 18 | | |
| 6 30 | 21 32.38 | -10 20.2 | 1.058 | 1.925 | 21.4 | 19.8 | 6 30 | 21 33.39 | -4 22.5 | 1.990 | 2.789 | 15.4 | 20.3 |
| 7 10 | 21 30.53 | -10 24.0 | 1.005 | 1.933 | 17.1 | 19.5 | 7 10 | 21 30.08 | -3 47.5 | 1.889 | 2.770 | 12.8 | 20.0 |
| 7 20 | 21 25.52 | -10 48.1 | 0.967 | 1.943 | 11.9 | 19.3 | 7 20 | 21 24.69 | -3 25.8 | 1.808 | 2.751 | 9.7 | 19.8 |
| 7 30 | 21 18.09 | -11 29.5 | 0.950 | 1.954 | 6.2 | 19.0 | 7 30 | 21 17.64 | -3 18.2 | 1.750 | 2.733 | 6.6 | 19.6 |
| 8 9 | 21 9.53 | -12 21.7 | 0.954 | 1.967 | 2.0 | 18.8 | 8 9 | 21 9.63 | -3 24.3 | 1.717 | 2.715 | 4.7 | 19.4 |
| 8 19 | 21 1.32 | -13 16.6 | 0.980 | 1.980 | 6.5 | 19.1 | 8 19 | 21 1.51 | -3 42.1 | 1.710 | 2.698 | 5.9 | 19.5 |
| 8 29 | 20 54.93 | -14 6.6 | 1.029 | 1.995 | 11.8 | 19.5 | 8 29 | 20 54.25 | -4 8.2 | 1.729 | 2.681 | 9.0 | 19.6 |
| 9 8 | 20 51.38 | -14 45.9 | 1.097 | 2.010 | 16.5 | 19.8 | 9 8 | 20 48.68 | -4 38.4 | 1.772 | 2.665 | 12.3 | 19.8 |
| 74358 | 1998 WH ₁₃ | | 8 7.6 218°80' | 2°8/ 9.9 18 | | | 486312 | 2013 CF ₁₀₃ | | 8 7.6 33°04' | 1°4/ 6.4 18 | | |
| 6 30 | 21 36.15 | -6 2.0 | 2.588 | 3.370 | 12.6 | 20.3 | 6 30 | 21 32.66 | -16 3.1 | 1.963 | 2.803 | 14.0 | 20.7 |
| 7 10 | 21 31.62 | -5 54.9 | 2.486 | 3.360 | 10.3 | 20.1 | 7 10 | 21 29.45 | -17 0.8 | 1.889 | 2.808 | 10.9 | 20.5 |
| 7 20 | 21 25.39 | -5 58.9 | 2.406 | 3.350 | 7.6 | 19.9 | 7 20 | 21 24.17 | -18 8.9 | 1.837 | 2.812 | 7.2 | 20.3 |
| 7 30 | 21 17.84 | -6 13.5 | 2.351 | 3.340 | 4.7 | 19.7 | 7 30 | 21 17.33 | -19 22.7 | 1.810 | 2.817 | 3.4 | 20.1 |
| 8 9 | 21 9.57 | -6 36.9 | 2.324 | 3.329 | 2.8 | 19.5 | 8 9 | 21 9.69 | -20 35.8 | 1.810 | 2.822 | 1.8 | 20.0 |
| 8 19 | 21 1.26 | -7 6.6 | 2.326 | 3.317 | 4.3 | 19.6 | 8 19 | 21 2.14 | -21 42.5 | 1.837 | 2.827 | 5.4 | 20.2 |
| 8 29 | 20 53.66 | -7 39.7 | 2.357 | 3.305 | 7.1 | 19.8 | 8 29 | 20 55.60 | -22 37.9 | 1.891 | 2.832 | 9.1 | 20.5 |
| 9 8 | 20 47.42 | -8 12.7 | 2.413 | 3.292 | 10.0 | 19.9 | 9 8 | 20 50.82 | -23 19.4 | 1.968 | 2.837 | 12.4 | 20.7 |
| 427147 | 2014 UL ₁₅₆ | | 8 7.6 316°99' | 0°7/ 7.3 17 | | | 277851 | 2006 HJ ₁₁₃ | | 8 7.6 320°60' | 1°4/ 6.6 18 | | |
| 6 30 | 21 34.16 | -16 24.3 | 1.089 | 1.965 | 20.3 | 21.1 | 6 30 | 21 33.38 | -16 3.9 | 1.683 | 2.531 | 15.6 | 20.5 |
| 7 10 | 21 32.52 | -16 27.7 | 1.005 | 1.942 | 16.2 | 20.7 | 7 10 | 21 30.48 | -16 50.1 | 1.601 | 2.523 | 12.2 | 20.3 |
| 7 20 | 21 27.41 | -16 44.4 | 0.939 | 1.921 | 11.2 | 20.4 | 7 20 | 21 25.15 | -17 48.6 | 1.539 | 2.516 | 8.2 | 20.0 |
| 7 30 | 21 19.28 | -17 10.7 | 0.891 | 1.899 | 5.3 | 20.0 | 7 30 | 21 17.90 | -18 54.4 | 1.501 | 2.508 | 3.8 | 19.7 |
| 8 9 | 21 9.29 | -17 40.3 | 0.866 | 1.879 | 1.3 | 19.6 | 8 9 | 21 9.59 | -20 1.1 | 1.489 | 2.501 | 1.8 | 19.6 |
| 8 19 | 20 59.07 | -18 6.0 | 0.862 | 1.860 | 7.7 | 20.0 | 8 19 | 21 1.29 | -21 1.8 | 1.503 | 2.494 | 6.0 | 19.8 |
| 8 29 | 20 50.51 | -18 21.6 | 0.879 | 1.841 | 13.8 | 20.2 | 8 29 | 20 54.14 | -21 51.1 | 1.542 | 2.488 | 10.4 | 20.1 |
| 9 8 | 20 45.10 | -18 23.8 | 0.914 | 1.824 | 19.3 | 20.5 | 9 8 | 20 49.05 | -22 25.7 | 1.603 | 2.482 | 14.2 | 20.3 |
| 420436 | 2012 DG ₃₂ | | 8 7.6 102°52' | 1°3/ 6.8 17 | | | 17994 | 1999 JF ₇₀ | | 8 7.6 46°19' | 7°0/ 1.9 18 | | |
| 6 30 | 21 41.43 | -17 15.6 | 1.597 | 2.437 | 16.7 | 22.0 | 6 30 | 21 37.64 | -32 42.1 | 1.947 | 2.797 | 13.7 | 16.8 |
| 7 10 | 21 36.54 | -17 45.8 | 1.537 | 2.454 | 13.0 | 21.8 | 7 10 | 21 33.63 | -34 0.7 | 1.887 | 2.801 | 11.1 | 16.6 |
| 7 20 | 21 29.03 | -18 25.0 | 1.497 | 2.470 | 8.7 | 21.6 | 7 20 | 21 27.13 | -35 16.8 | 1.849 | 2.806 | 8.6 | 16.5 |
| 7 30 | 21 19.59 | -19 8.2 | 1.481 | 2.487 | 4.0 | 21.4 | 7 30 | 21 18.76 | -36 22.4 | 1.836 | 2.811 | 7.1 | 16.4 |
| 8 9 | 21 9.30 | -19 49.1 | 1.491 | 2.503 | 1.7 | 21.3 | 8 9 | 21 9.46 | -37 10.4 | 1.848 | 2.816 | 7.5 | 16.4 |
| 8 19 | 20 59.35 | -20 22.6 | 1.528 | 2.519 | 6.0 | 21.6 | 8 19 | 21 0.37 | -37 36.5 | 1.885 | 2.822 | 9.5 | 16.6 |
| 8 29 | 20 50.93 | -20 45.1 | 1.590 | 2.534 | 10.3 | 21.9 | 8 29 | 20 52.61 | -37 39.4 | 1.946 | 2.827 | 12.1 | 16.7 |
| 9 8 | 20 44.87 | -20 55.3 | 1.675 | 2.549 | 13.9 | 22.1 | 9 8 | 20 47.03 | -37 21.1 | 2.028 | 2.833 | 14.5 | 16.9 |
| 26396 | Chengjingjie | | 8 7.6 221°94' | 0°2/ 7.7 18 | | | 39676 | 1996 DQ ₁ | | 8 7.6 198°66' | 1°7/ 6.0 18 | | |
| 6 30 | 21 36.90 | -14 22.3 | 1.985 | 2.812 | 14.4 | 19.6 | 6 30 | 21 36.05 | -20 48.8 | 2.780 | 3.605 | 10.8 | 19.4 |
| 7 10 | 21 32.72 | -14 33.7 | 1.900 | 2.809 | 11.3 | 19.4 | 7 10 | 21 31.45 | -21 15.0 | 2.692 | 3.602 | 8.4 | 19.2 |
| 7 20 | 21 26.37 | -14 54.3 | 1.836 | 2.805 | 7.7 | 19.2 | 7 20 | 21 25.21 | -21 44.8 | 2.628 | 3.599 | 5.6 | 19.0 |
| 7 30 | 21 18.36 | -15 21.4 | 1.797 | 2.802 | 3.7 | 19.0 | 7 30 | 21 17.75 | -22 14.9 | 2.591 | 3.595 | 2.8 | 18.8 |
| 8 9 | 21 9.49 | -15 51.2 | 1.785 | 2.798 | 0.6 | 18.7 | 8 9 | 21 9.68 | -22 41.9 | 2.582 | 3.591 | 2.0 | 18.8 |
| 8 19 | 21 0.68 | -16 19.6 | 1.800 | 2.795 | 4.8 | 19.0 | 8 19 | 21 1.65 | -23 2.8 | 2.603 | 3.586 | 4.5 | 18.9 |
| 8 29 | 20 52.91 | -16 43.1 | 1.842 | 2.791 | 8.7 | 19.3 | 8 29 | 20 54.39 | -23 15.7 | 2.651 | 3.581 | 7.3 | 19.1 |
| 9 8 | 20 46.96 | -16 59.4 | 1.908 | 2.787 | 12.3 | 19.5 | 9 8 | 20 48.48 | -23 19.7 | 2.725 | 3.576 | 9.9 | 19.3 |
| 118066 | 4317 T ₋₂ | | 8 7.6 340°38' | 0°4/ 7.8 18 | | | 136260 | 2003 YV ₅₈ | | 8 7.6 215°84' | 2°5/ 9.2 18 | | |
| 6 30 | 21 26.44 | -12 48.6 | 1.029 | 1.912 | 20.6 | 18.6 | 6 30 | 21 39.06 | -8 37.2 | 1.849 | 2.658 | 16.0 | 20.3 |
| 7 10 | 21 26.35 | -13 5.4 | 0.953 | 1.894 | 16.5 | 18.3 | 7 10 | 21 34.62 | -8 32.3 | 1.758 | 2.652 | 12.9 | 20.1 |
| 7 20 | 21 23.09 | -13 42.5 | 0.894 | 1.878 | 11.4 | 17.9 | 7 20 | 21 27.81 | -8 41.0 | 1.687 | 2.645 | 9.2 | 19.9 |
| 7 30 | 21 17.16 | -14 36.7 | 0.855 | 1.862 | 5.6 | 17.6 | 7 30 | 21 19.15 | -9 2.0 | 1.641 | 2.638 | 5.3 | 19.6 |
| 8 9 | 21 9.66 | -15 40.9 | 0.835 | 1.849 | 0.9 | 17.2 | 8 9 | 21 9.44 | -9 32.6 | 1.620 | 2.630 | 2.5 | 19.4 |
| 8 19 | 21 2.10 | -16 45.9 | 0.837 | 1.838 | 7.2 | 17.6 | 8 19 | 20 59.72 | -10 8.8 | 1.626 | 2.621 | 5.2 | 19.6 |
| 8 29 | 20 56.14 | -17 42.2 | 0.860 | 1.828 | 13.2 | 17.9 | 8 29 | 20 51.07 | -10 46.0 | 1.660 | 2.612 | 9.2 | 19.8 |
| 9 8 | 20 53.11 | -18 23.2 | 0.900 | 1.820 | 18.5 | 18.1 | 9 8 | 20 44.39 | -11 20.1 | 1.717 | 2.603 | 13.0 | 20.0 |
| 478732 | 2012 UG ₆₆ | | 8 7.6 241°50' | 3°4/ 10.1 16 | | | 92467 | 2000 KY ₅₈ | | 8 7.6 132°80' | 2°9/ 9.4 17 | | |
| 6 30 | 21 34.43 | -5 12.7 | 1.962 | 2.763 | 15.5 | 21.9 | 6 30 | 21 37.30 | -6 43.1 | 1.434 | 2.259 | 19.0 | 19.8 |
| 7 10 | 21 30.79 | -5 10.3 | 1.874 | 2.759 | 12.6 | 21.7 | 7 10 | 21 33.75 | -6 57.9 | 1.361 | 2.263 | 15.4 | 19.6 |
| 7 20 | 21 25.08 | -5 23.5 | 1.807 | 2.756 | 9.3 | 21.5 | 7 20 | 21 27.46 | -7 33.2 | 1.307 | 2.268 | 11.0 | 19.3 |
| 7 30 | 21 17.76 | -5 51.5 | 1.763 | 2.753 | 5.8 | 21.3 | 7 30 | 21 19.02 | -8 27.0 | 1.274 | 2.272 | 6.3 | 19.1 |
| 8 9 | 21 9.59 | -6 31.9 | 1.744 | 2.749 | 3.5 | 21.1 | 8 9 | 21 9.47 | -9 34.3 | 1.266 | 2.276 | 2.9 | 18.9 |
| 8 19 | 21 1.43 | -7 20.8 | 1.753 | 2.746 | 5.1 | 21.2 | 8 19 | 21 0.03 | -10 47.9 | 1.283 | 2.280 | 5.9 | 19.1 |
| 8 29 | 20 54.23 | -8 13.1 | 1.788 | 2.742 | 8.6 | 21.4 | 8 29 | 20 52.01 | -12 0.0 | 1.325 | 2.284 | 10.5 | 19.4 |
| 9 8 | 20 48.76 | -9 4.0 | 1.847 | 2.739 | 12.0 | 21.6 | 9 8 | 20 46.38 | -13 4.2 | 1.390 | 2.287 | 14.8 | 19.6 |
| 466272 | 2013 NC ₉ | | 8 7.6 107°47' | 2°0/ 8.7 17 | | | 42193 | 2001 CV ₄₃ | | 8 7.6 342°88' | 8°3/ 29.8 18 | | |
| 6 30 | 21 41.64 | -10 56.0 | 1.506 | 2.333 | 18.2 | 21.4 | 6 30 | 21 34.56 | -35 | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|-------|---------|------|---------------|------------------------|-----------------|--------------|-------|---------|------|
| 435724 | 2008 UR ₇₃ | | 8 7.6 329°59 | 10°6/ | 1.1 18 | | 207285 | 2005 GE ₁₂ | | 8 7.6 337°93 | 4°1/ | 4.6 18 | |
| 6 30 | 21 38.80 | -36 53.1 | 1.382 | 2.248 | 17.4 | 20.1 | 6 30 | 21 36.09 | -24 3.5 | 1.786 | 2.640 | 14.6 | 19.7 |
| 7 10 | 21 35.97 | -38 11.1 | 1.312 | 2.231 | 14.6 | 19.9 | 7 10 | 21 32.51 | -24 57.2 | 1.712 | 2.637 | 11.4 | 19.5 |
| 7 20 | 21 29.55 | -39 23.5 | 1.262 | 2.215 | 12.1 | 19.7 | 7 20 | 21 26.48 | -25 55.4 | 1.660 | 2.634 | 7.9 | 19.3 |
| 7 30 | 21 20.20 | -40 18.8 | 1.232 | 2.200 | 10.7 | 19.5 | 7 30 | 21 18.54 | -26 51.7 | 1.631 | 2.631 | 4.8 | 19.1 |
| 8 9 | 21 9.28 | -40 46.2 | 1.224 | 2.186 | 11.3 | 19.5 | 8 9 | 21 9.62 | -27 39.3 | 1.629 | 2.629 | 4.6 | 19.1 |
| 8 19 | 20 58.51 | -40 39.5 | 1.238 | 2.172 | 13.6 | 19.6 | 8 19 | 21 0.81 | -28 12.7 | 1.652 | 2.627 | 7.5 | 19.2 |
| 8 29 | 20 49.70 | -39 58.4 | 1.272 | 2.160 | 16.7 | 19.8 | 8 29 | 20 53.23 | -28 28.9 | 1.700 | 2.625 | 11.0 | 19.4 |
| 9 8 | 20 44.11 | -38 48.1 | 1.324 | 2.148 | 19.8 | 20.0 | 9 8 | 20 47.79 | -28 27.8 | 1.770 | 2.624 | 14.3 | 19.6 |
| 62508 | 2000 SV ₂₃₅ | | 8 7.6 157°14 | 4°1/ | 4.4 18 | | 114965 | 2003 QR ₆₁ | | 8 7.6 324°41 | 1°1/ | 6.8 18 | |
| 6 30 | 21 38.75 | -27 43.4 | 2.337 | 3.174 | 12.2 | 19.6 | 6 30 | 21 32.34 | -15 23.3 | 1.540 | 2.394 | 16.5 | 19.2 |
| 7 10 | 21 33.91 | -28 21.2 | 2.264 | 3.177 | 9.6 | 19.4 | 7 10 | 21 29.95 | -16 4.3 | 1.455 | 2.380 | 13.0 | 19.0 |
| 7 20 | 21 27.03 | -28 58.8 | 2.213 | 3.179 | 6.8 | 19.2 | 7 20 | 21 24.99 | -16 59.2 | 1.390 | 2.368 | 8.8 | 18.7 |
| 7 30 | 21 18.66 | -29 31.2 | 2.188 | 3.182 | 4.6 | 19.1 | 7 30 | 21 17.94 | -18 3.3 | 1.348 | 2.355 | 4.1 | 18.4 |
| 8 9 | 21 9.56 | -29 53.8 | 2.191 | 3.184 | 4.5 | 19.1 | 8 9 | 21 9.70 | -19 10.0 | 1.331 | 2.344 | 1.6 | 18.2 |
| 8 19 | 21 0.64 | -30 3.5 | 2.221 | 3.186 | 6.6 | 19.2 | 8 19 | 21 1.42 | -20 11.9 | 1.339 | 2.333 | 6.3 | 18.5 |
| 8 29 | 20 52.78 | -29 58.7 | 2.277 | 3.187 | 9.3 | 19.4 | 8 29 | 20 54.33 | -21 2.7 | 1.372 | 2.322 | 11.0 | 18.7 |
| 9 8 | 20 46.68 | -29 40.4 | 2.357 | 3.189 | 11.9 | 19.6 | 9 8 | 20 49.47 | -21 38.6 | 1.426 | 2.312 | 15.1 | 18.9 |
| 355677 | 2008 EJ ₁₆₁ | | 8 7.6 19°34 | 4°0/ | 5.1 18 | | 44707 | 1999 TR ₁ | | 8 7.6 257°60 | 4°1/ | 10.2 18 | |
| 6 30 | 21 38.79 | -26 35.7 | 1.938 | 2.785 | 13.9 | 20.8 | 6 30 | 21 35.84 | -4 48.2 | 1.610 | 2.421 | 17.9 | 19.2 |
| 7 10 | 21 34.28 | -26 59.3 | 1.868 | 2.788 | 10.9 | 20.6 | 7 10 | 21 32.47 | -4 43.3 | 1.522 | 2.413 | 14.7 | 18.9 |
| 7 20 | 21 27.45 | -27 23.1 | 1.820 | 2.791 | 7.6 | 20.4 | 7 20 | 21 26.59 | -4 57.2 | 1.452 | 2.404 | 10.9 | 18.7 |
| 7 30 | 21 18.89 | -27 41.8 | 1.796 | 2.794 | 4.8 | 20.2 | 7 30 | 21 18.67 | -5 30.1 | 1.405 | 2.396 | 6.9 | 18.4 |
| 8 9 | 21 9.54 | -27 50.5 | 1.799 | 2.798 | 4.3 | 20.2 | 8 9 | 21 9.59 | -6 19.0 | 1.381 | 2.387 | 4.1 | 18.3 |
| 8 19 | 21 0.44 | -27 46.2 | 1.828 | 2.802 | 6.9 | 20.4 | 8 19 | 21 0.45 | -7 19.0 | 1.384 | 2.378 | 6.0 | 18.4 |
| 8 29 | 20 52.63 | -27 27.8 | 1.882 | 2.807 | 10.1 | 20.6 | 8 29 | 20 52.45 | -8 23.6 | 1.411 | 2.369 | 10.1 | 18.6 |
| 9 8 | 20 46.89 | -26 56.4 | 1.960 | 2.812 | 13.2 | 20.8 | 9 8 | 20 46.58 | -9 26.1 | 1.462 | 2.359 | 14.1 | 18.8 |
| 39845 | 1998 BT ₃₅ | | 8 7.6 294°28 | 2°7/ | 6.3 18 | | 355210 | 2006 YF ₃₃ | | 8 7.6 87°49 | 0°8/ | 8.1 18 | |
| 6 30 | 21 39.46 | -20 34.2 | 1.374 | 2.233 | 17.9 | 17.7 | 6 30 | 21 38.84 | -14 8.5 | 2.286 | 3.100 | 13.2 | 20.5 |
| 7 10 | 21 36.06 | -20 52.9 | 1.286 | 2.214 | 14.1 | 17.4 | 7 10 | 21 33.74 | -13 54.0 | 2.212 | 3.112 | 10.3 | 20.4 |
| 7 20 | 21 29.45 | -21 19.5 | 1.218 | 2.196 | 9.7 | 17.1 | 7 20 | 21 26.79 | -13 46.2 | 2.161 | 3.125 | 7.1 | 20.2 |
| 7 30 | 21 20.16 | -21 48.3 | 1.171 | 2.177 | 4.9 | 16.7 | 7 30 | 21 18.52 | -13 43.3 | 2.135 | 3.138 | 3.5 | 20.0 |
| 8 9 | 21 9.30 | -22 12.5 | 1.148 | 2.158 | 3.1 | 16.6 | 8 9 | 21 9.65 | -13 43.0 | 2.137 | 3.150 | 0.9 | 19.8 |
| 8 19 | 20 58.32 | -22 26.0 | 1.149 | 2.140 | 7.6 | 16.8 | 8 19 | 21 0.99 | -13 43.3 | 2.168 | 3.163 | 4.1 | 20.1 |
| 8 29 | 20 48.86 | -22 24.9 | 1.174 | 2.121 | 12.8 | 17.0 | 8 29 | 20 53.33 | -13 42.2 | 2.227 | 3.175 | 7.5 | 20.3 |
| 9 8 | 20 42.19 | -22 8.6 | 1.220 | 2.103 | 17.4 | 17.3 | 9 8 | 20 47.33 | -13 38.1 | 2.311 | 3.187 | 10.5 | 20.5 |
| 55925 | 1998 FY ₅₇ | | 8 7.6 7°83 | 3°4/ | 5.4 18 | | 513231 | 2005 VU ₇₀ | | 8 7.6 311°40 | 5°0/ | 3.3 18 | |
| 6 30 | 21 37.72 | -24 29.4 | 1.907 | 2.755 | 14.1 | 18.8 | 6 30 | 21 34.74 | -27 16.2 | 2.050 | 2.901 | 13.1 | 20.5 |
| 7 10 | 21 33.51 | -24 54.3 | 1.834 | 2.755 | 11.0 | 18.6 | 7 10 | 21 31.28 | -28 23.1 | 1.971 | 2.892 | 10.3 | 20.3 |
| 7 20 | 21 26.97 | -25 21.3 | 1.783 | 2.756 | 7.6 | 18.4 | 7 20 | 21 25.58 | -29 32.4 | 1.914 | 2.883 | 7.5 | 20.1 |
| 7 30 | 21 18.69 | -25 45.3 | 1.756 | 2.757 | 4.4 | 18.2 | 7 30 | 21 18.11 | -30 37.7 | 1.882 | 2.874 | 5.3 | 20.0 |
| 8 9 | 21 9.58 | -26 1.2 | 1.755 | 2.758 | 3.8 | 18.2 | 8 9 | 21 9.69 | -31 32.3 | 1.876 | 2.865 | 5.5 | 20.0 |
| 8 19 | 21 0.67 | -26 5.7 | 1.781 | 2.760 | 6.6 | 18.4 | 8 19 | 21 1.30 | -32 11.0 | 1.897 | 2.857 | 7.9 | 20.1 |
| 8 29 | 20 52.99 | -25 56.9 | 1.832 | 2.762 | 10.0 | 18.6 | 8 29 | 20 53.96 | -32 31.0 | 1.942 | 2.848 | 10.9 | 20.3 |
| 9 8 | 20 47.35 | -25 35.4 | 1.906 | 2.764 | 13.2 | 18.8 | 9 8 | 20 48.52 | -32 32.3 | 2.009 | 2.840 | 13.7 | 20.5 |
| 440657 | 2005 XM ₁ | | 8 7.6 355°24 | 3°9/ | 10.4 18 | | 487917 | 2015 TB ₁₉₆ | | 8 7.6 338°38 | 2°8/ | 6.3 17 | |
| 6 30 | 21 33.68 | -4 44.9 | 2.107 | 2.902 | 14.7 | 20.8 | 6 30 | 21 39.38 | -24 15.9 | 1.771 | 2.619 | 15.0 | 20.2 |
| 7 10 | 21 30.04 | -4 24.1 | 2.021 | 2.901 | 12.1 | 20.6 | 7 10 | 21 35.08 | -24 9.3 | 1.686 | 2.607 | 11.8 | 19.9 |
| 7 20 | 21 24.50 | -4 16.9 | 1.955 | 2.900 | 9.0 | 20.4 | 7 20 | 21 28.21 | -24 3.3 | 1.621 | 2.595 | 8.1 | 19.7 |
| 7 30 | 21 17.51 | -4 23.2 | 1.914 | 2.899 | 5.9 | 20.2 | 7 30 | 21 19.36 | -23 53.5 | 1.581 | 2.585 | 4.3 | 19.4 |
| 8 9 | 21 9.77 | -4 41.6 | 1.898 | 2.899 | 3.9 | 20.1 | 8 9 | 21 9.52 | -23 36.0 | 1.567 | 2.575 | 3.1 | 19.3 |
| 8 19 | 21 2.08 | -5 9.3 | 1.909 | 2.899 | 5.1 | 20.1 | 8 19 | 20 59.83 | -23 8.3 | 1.579 | 2.565 | 6.4 | 19.5 |
| 8 29 | 20 55.28 | -5 42.6 | 1.946 | 2.899 | 8.1 | 20.3 | 8 29 | 20 51.45 | -22 29.9 | 1.616 | 2.557 | 10.4 | 19.7 |
| 9 8 | 20 50.09 | -6 17.5 | 2.008 | 2.899 | 11.2 | 20.5 | 9 8 | 20 45.31 | -21 41.7 | 1.677 | 2.549 | 14.0 | 20.0 |
| 471558 | 2012 PA ₁₈ | | 8 7.6 354°80 | 3°9/ | 6.2 17 | | 40046 | 1998 KT ₃₄ | | 8 7.6 68°29 | 6°1/ | 3.2 18 | |
| 6 30 | 21 43.30 | -25 52.4 | 1.377 | 2.236 | 17.8 | 20.2 | 6 30 | 21 40.50 | -27 24.8 | 1.629 | 2.483 | 15.8 | 17.9 |
| 7 10 | 21 38.75 | -25 43.7 | 1.306 | 2.232 | 14.1 | 19.9 | 7 10 | 21 35.95 | -28 58.1 | 1.588 | 2.510 | 12.3 | 17.7 |
| 7 20 | 21 30.96 | -25 33.9 | 1.254 | 2.229 | 9.8 | 19.7 | 7 20 | 21 28.70 | -30 31.6 | 1.570 | 2.538 | 8.9 | 17.6 |
| 7 30 | 21 20.69 | -25 17.6 | 1.224 | 2.227 | 5.5 | 19.4 | 7 30 | 21 19.51 | -31 56.1 | 1.576 | 2.566 | 6.4 | 17.5 |
| 8 9 | 21 9.26 | -24 49.6 | 1.219 | 2.226 | 4.1 | 19.3 | 8 9 | 21 9.52 | -33 3.0 | 1.608 | 2.593 | 6.7 | 17.6 |
| 8 19 | 20 58.21 | -24 7.6 | 1.239 | 2.225 | 7.8 | 19.6 | 8 19 | 20 59.97 | -33 47.1 | 1.665 | 2.621 | 9.1 | 17.8 |
| 8 29 | 20 49.03 | -23 12.2 | 1.282 | 2.225 | 12.3 | 19.8 | 8 29 | 20 52.06 | -34 7.0 | 1.746 | 2.648 | 12.2 | 18.1 |
| 9 8 | 20 42.76 | -22 6.5 | 1.347 | 2.227 | 16.3 | 20.1 | 9 8 | 20 46.60 | -34 5.0 | 1.849 | 2.675 | 14.9 | 18.3 |
| 450313 | 2004 RG ₂₄₈ | | 8 7.6 317°75 | 10°0/ | 13.2 17 | | 113421 | 2002 SK ₃₄ | | 8 7.6 246°31 | 0°2/ | 7.8 18 | |
| 6 30 | 21 32.37 | +7 8.7 | 1.922 | 2.665 | 17.6 | 20.6 | 6 30 | 21 34.57 | -12 24.8 | 2.251 | 3.069 | 13.2 | 20.4 |
| 7 10 | 21 29.59 | +8 24.3 | 1.809 | 2.633 | 15.7 | 20.3 | 7 10 | 21 30.80 | -13 1.2 | 2.153 | 3.056 | 10.4 | 20.2 |
| 7 20 | 21 24.60 | +9 22.7 | 1.714 | 2.600 | 13.5 | 20.1 | 7 20 | 21 25.10 | -13 49.1 | 2.076 | 3.043 | 7.1 | 19.9 |
| 7 30 | 21 17.76 | +9 59.0 | 1.639 | 2.568 | 11.5 | 19.9 | 7 30 | 21 17.87 | -14 45.8 | 2.025 | 3.029 | 3.4 | 19.7 |
| 8 9 | 21 9.70 | +10 10.0 | 1.586 | 2.537 | 10.1 | 19.8 | 8 9 | 21 9.77 | -15 46.8 | 2.002 | 3.016 | 0.5 | 19.4 |
| 8 19 | 21 1.32 | +9 54.8 | 1.557 | 2.505 | 10.3 | 19.7 | 8 19 | 21 1.59 | -16 47.3 | 2.007 | 3.001 | 4.4 | 19.7 |
| 8 29 | 20 53.67 | +9 15.6 | 1.551 | 2.475 | 11.9 | 19.7 | 8 29 | 20 54.21 | -17 42.7 | 2.040 | 2.987 | 8.2 | 19.9 |
| 9 8 | 20 47.71 | +8 18.2 | 1.566 | 2.445 | 14.5 | 19.8 | 9 8 | 20 48.37 | -18 29.5 | 2.097 | 2.972 | 11.5 | 20.1 |
| 62324 | 2000 SY ₁₂₃ | | 8 7.6 197°24 | 1°1/ | 6.6 18 | | 388702 | 2007 VO ₄₈ | | 8 7.6 307°98 | 1°2/ | 6.9 18 | |
| 6 30 | 21 34.53 | -17 20.4 | 2.420 | 3.247 | 12.1</ | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|---------------|------------------------------|-----------------|--------------|----------|---------|------|
| 67711 | 2000 <i>UB</i> | | 8 7.6 198°70 | 4.1/10.0 | 18 | | 120264 | 2004 <i>GJ</i> ₄₅ | | 8 7.6 331°02 | 3.7/ 9.9 | 17 | |
| 6 30 | 21 38.42 | - 5 46.4 | 1.592 | 2.402 | 18.1 | 18.6 | 6 30 | 21 35.70 | - 6 22.0 | 1.535 | 2.356 | 18.1 | 20.2 |
| 7 10 | 21 34.44 | - 5 29.0 | 1.510 | 2.401 | 14.8 | 18.4 | 7 10 | 21 32.41 | - 6 11.7 | 1.456 | 2.354 | 14.8 | 20.0 |
| 7 20 | 21 27.87 | - 5 28.7 | 1.447 | 2.400 | 10.9 | 18.2 | 7 20 | 21 26.55 | - 6 19.1 | 1.395 | 2.352 | 10.8 | 19.8 |
| 7 30 | 21 19.27 | - 5 45.4 | 1.407 | 2.398 | 6.8 | 18.0 | 7 30 | 21 18.68 | - 6 43.9 | 1.356 | 2.350 | 6.6 | 19.5 |
| 8 9 | 21 9.56 | - 6 16.7 | 1.391 | 2.396 | 4.1 | 17.8 | 8 9 | 21 9.71 | - 7 22.9 | 1.341 | 2.349 | 3.7 | 19.3 |
| 8 19 | 20 59.90 | - 6 58.3 | 1.400 | 2.394 | 6.1 | 17.9 | 8 19 | 21 0.80 | - 8 11.3 | 1.352 | 2.347 | 5.9 | 19.5 |
| 8 29 | 20 51.49 | - 7 44.7 | 1.436 | 2.391 | 10.1 | 18.1 | 8 29 | 20 53.14 | - 9 3.0 | 1.387 | 2.346 | 10.1 | 19.7 |
| 9 8 | 20 45.30 | - 8 30.2 | 1.494 | 2.389 | 14.1 | 18.4 | 9 8 | 20 47.70 | - 9 52.1 | 1.445 | 2.344 | 14.1 | 20.0 |
| 246775 | 2009 <i>DO</i> ₆ | | 8 7.6 80°50 | 0°0/ 7.5 | 18 | | 513502 | 2009 <i>OB</i> ₂₃ | | 8 7.6 359°64 | 0°9/ 8.4 | 18 | |
| 6 30 | 21 36.24 | -14 35.7 | 1.929 | 2.760 | 14.6 | 21.0 | 6 30 | 21 30.93 | - 9 45.9 | 2.028 | 2.851 | 14.3 | 20.7 |
| 7 10 | 21 32.23 | -14 51.5 | 1.853 | 2.764 | 11.4 | 20.8 | 7 10 | 21 28.08 | -10 27.5 | 1.945 | 2.850 | 11.3 | 20.5 |
| 7 20 | 21 26.07 | -15 16.8 | 1.799 | 2.769 | 7.8 | 20.5 | 7 20 | 21 23.29 | -11 23.6 | 1.883 | 2.849 | 7.8 | 20.3 |
| 7 30 | 21 18.30 | -15 48.4 | 1.769 | 2.774 | 3.7 | 20.3 | 7 30 | 21 17.03 | -12 31.1 | 1.846 | 2.849 | 4.0 | 20.1 |
| 8 9 | 21 9.73 | -16 22.1 | 1.765 | 2.779 | 0.6 | 20.1 | 8 9 | 21 9.98 | -13 45.3 | 1.836 | 2.849 | 0.9 | 19.8 |
| 8 19 | 21 1.30 | -16 53.7 | 1.789 | 2.783 | 4.8 | 20.4 | 8 19 | 21 2.97 | -15 0.3 | 1.853 | 2.849 | 4.4 | 20.1 |
| 8 29 | 20 53.96 | -17 19.7 | 1.839 | 2.788 | 8.7 | 20.6 | 8 29 | 20 56.86 | -16 10.6 | 1.897 | 2.850 | 8.2 | 20.3 |
| 9 8 | 20 48.48 | -17 37.6 | 1.913 | 2.793 | 12.2 | 20.9 | 9 8 | 20 52.36 | -17 11.7 | 1.965 | 2.851 | 11.6 | 20.6 |
| 375711 | 2009 <i>PC</i> ₁₉ | | 8 7.6 53°69 | 2°1/ 6.5 | 17 | | 398598 | 2011 <i>WG</i> ₉₈ | | 8 7.6 142°61 | 4°3/ 3.7 | 18 | |
| 6 30 | 21 39.46 | -19 12.5 | 1.404 | 2.259 | 17.8 | 21.1 | 6 30 | 21 35.85 | -26 15.6 | 2.293 | 3.136 | 12.2 | 20.8 |
| 7 10 | 21 35.49 | -19 35.7 | 1.343 | 2.269 | 13.8 | 20.9 | 7 10 | 21 31.80 | -27 20.1 | 2.222 | 3.138 | 9.5 | 20.6 |
| 7 20 | 21 28.62 | -20 7.1 | 1.302 | 2.279 | 9.3 | 20.7 | 7 20 | 21 25.74 | -28 26.7 | 2.173 | 3.141 | 6.8 | 20.5 |
| 7 30 | 21 19.58 | -20 40.9 | 1.283 | 2.289 | 4.5 | 20.4 | 7 30 | 21 18.16 | -29 29.7 | 2.150 | 3.144 | 4.6 | 20.3 |
| 8 9 | 21 9.54 | -21 10.8 | 1.289 | 2.300 | 2.4 | 20.3 | 8 9 | 21 9.82 | -30 23.2 | 2.155 | 3.146 | 4.7 | 20.4 |
| 8 19 | 20 59.85 | -21 31.4 | 1.320 | 2.311 | 6.7 | 20.6 | 8 19 | 21 1.56 | -31 3.0 | 2.187 | 3.149 | 6.9 | 20.5 |
| 8 29 | 20 51.82 | -21 39.7 | 1.375 | 2.322 | 11.3 | 20.9 | 8 29 | 20 54.29 | -31 26.7 | 2.245 | 3.151 | 9.6 | 20.7 |
| 9 8 | 20 46.38 | -21 34.9 | 1.451 | 2.333 | 15.2 | 21.2 | 9 8 | 20 48.72 | -31 34.0 | 2.326 | 3.153 | 12.2 | 20.9 |
| 46571 | 1991 <i>VG</i> ₁ | | 8 7.6 278°70 | 4°1/ 5.0 | 18 | | 172897 | 2005 <i>GO</i> ₃₀ | | 8 7.6 19°59 | 1°4/ 6.7 | 18 | |
| 6 30 | 21 40.47 | -23 23.7 | 1.696 | 2.544 | 15.5 | 19.0 | 6 30 | 21 33.42 | -16 31.2 | 1.551 | 2.405 | 16.4 | 19.4 |
| 7 10 | 21 36.48 | -24 10.2 | 1.595 | 2.517 | 12.3 | 18.8 | 7 10 | 21 30.58 | -17 9.5 | 1.484 | 2.410 | 12.8 | 19.2 |
| 7 20 | 21 29.60 | -25 3.5 | 1.515 | 2.488 | 8.6 | 18.5 | 7 20 | 21 25.25 | -17 58.9 | 1.438 | 2.415 | 8.6 | 19.0 |
| 7 30 | 21 20.26 | -25 57.2 | 1.459 | 2.460 | 5.1 | 18.2 | 7 30 | 21 18.01 | -18 54.3 | 1.415 | 2.422 | 4.0 | 18.7 |
| 8 9 | 21 9.39 | -26 43.6 | 1.428 | 2.431 | 4.6 | 18.1 | 8 9 | 21 9.85 | -19 49.1 | 1.417 | 2.429 | 1.8 | 18.6 |
| 8 19 | 20 58.24 | -27 15.9 | 1.423 | 2.401 | 8.1 | 18.2 | 8 19 | 21 1.87 | -20 37.2 | 1.444 | 2.436 | 6.0 | 18.9 |
| 8 29 | 20 48.26 | -27 29.8 | 1.443 | 2.371 | 12.4 | 18.4 | 8 29 | 20 55.21 | -21 13.7 | 1.496 | 2.445 | 10.4 | 19.2 |
| 9 8 | 20 40.66 | -27 24.5 | 1.485 | 2.341 | 16.4 | 18.6 | 9 8 | 20 50.73 | -21 36.3 | 1.570 | 2.454 | 14.1 | 19.4 |
| 1566 | <i>Icarus</i> | | 8 7.6 244°90 | 18°3/28.3 | 18 | | 143921 | 2003 <i>YW</i> ₈₅ | | 8 7.6 299°18 | 4°7/10.2 | 18 | |
| 6 30 | 22 42.60 | -34 2.2 | 1.128 | 1.909 | 25.6 | 19.7 | 6 30 | 21 35.19 | - 5 14.7 | 1.433 | 2.256 | 19.1 | 20.0 |
| 7 10 | 22 34.50 | -38 30.3 | 1.015 | 1.878 | 22.5 | 19.4 | 7 10 | 21 32.34 | - 4 51.8 | 1.346 | 2.244 | 15.8 | 19.8 |
| 7 20 | 22 17.32 | -43 45.5 | 0.923 | 1.839 | 19.4 | 19.0 | 7 20 | 21 26.74 | - 4 47.7 | 1.276 | 2.231 | 11.8 | 19.5 |
| 7 30 | 21 47.77 | -49 12.2 | 0.859 | 1.794 | 18.3 | 18.8 | 7 30 | 21 18.88 | - 5 3.3 | 1.227 | 2.219 | 7.6 | 19.2 |
| 8 9 | 21 4.18 | -53 45.3 | 0.826 | 1.741 | 21.0 | 18.7 | 8 9 | 21 9.69 | - 5 36.7 | 1.201 | 2.206 | 4.7 | 19.0 |
| 8 19 | 20 11.08 | -56 15.8 | 0.823 | 1.680 | 26.5 | 18.8 | 8 19 | 21 0.39 | - 6 23.6 | 1.200 | 2.194 | 6.7 | 19.1 |
| 8 29 | 19 20.39 | -56 24.3 | 0.845 | 1.611 | 32.8 | 18.9 | 8 29 | 20 52.34 | - 7 17.5 | 1.222 | 2.183 | 11.0 | 19.3 |
| 9 8 | 18 42.07 | -54 53.8 | 0.882 | 1.533 | 38.6 | 19.1 | 9 8 | 20 46.64 | - 8 11.5 | 1.266 | 2.171 | 15.4 | 19.5 |
| 340328 | 2006 <i>DX</i> ₃₆ | | 8 7.6 30°54 | 0°9/ 8.3 | 16 | | 420413 | 2012 <i>DL</i> ₁₀ | | 8 7.6 244°13 | 1°6/ 6.6 | 18 | |
| 6 30 | 21 35.26 | -11 37.9 | 1.731 | 2.562 | 16.0 | 21.3 | 6 30 | 21 38.38 | -16 27.7 | 1.584 | 2.428 | 16.6 | 21.5 |
| 7 10 | 21 31.75 | -11 54.6 | 1.654 | 2.563 | 12.7 | 21.1 | 7 10 | 21 34.70 | -17 12.8 | 1.498 | 2.418 | 13.1 | 21.3 |
| 7 20 | 21 25.91 | -12 24.6 | 1.597 | 2.565 | 8.7 | 20.9 | 7 20 | 21 28.26 | -18 10.7 | 1.432 | 2.407 | 8.9 | 21.0 |
| 7 30 | 21 18.29 | -13 5.0 | 1.563 | 2.567 | 4.4 | 20.6 | 7 30 | 21 19.58 | -19 16.3 | 1.390 | 2.396 | 4.2 | 20.7 |
| 8 9 | 21 9.75 | -13 51.3 | 1.555 | 2.568 | 1.0 | 20.4 | 8 9 | 21 9.60 | -20 22.3 | 1.373 | 2.385 | 2.0 | 20.5 |
| 8 19 | 21 1.31 | -14 38.3 | 1.574 | 2.570 | 5.0 | 20.7 | 8 19 | 20 59.54 | -21 21.4 | 1.383 | 2.373 | 6.6 | 20.8 |
| 8 29 | 20 54.03 | -15 21.1 | 1.618 | 2.573 | 9.3 | 20.9 | 8 29 | 20 50.75 | -22 7.7 | 1.417 | 2.361 | 11.2 | 21.0 |
| 9 8 | 20 48.75 | -15 55.8 | 1.686 | 2.575 | 13.1 | 21.2 | 9 8 | 20 44.31 | -22 38.2 | 1.474 | 2.349 | 15.4 | 21.2 |
| 94911 | 2001 <i>YQ</i> ₄₇ | | 8 7.6 211°56 | 1°0/ 7.0 | 17 | | 32677 | 6806 <i>P-L</i> | | 8 7.6 15°13 | 1°6/ 6.5 | 18 | |
| 6 30 | 21 40.33 | -16 3.1 | 1.632 | 2.469 | 16.5 | 20.7 | 6 30 | 21 34.94 | -18 15.7 | 1.955 | 2.795 | 14.0 | 19.4 |
| 7 10 | 21 36.03 | -16 33.8 | 1.549 | 2.465 | 13.0 | 20.5 | 7 10 | 21 31.30 | -18 48.6 | 1.878 | 2.796 | 10.9 | 19.2 |
| 7 20 | 21 29.03 | -17 15.8 | 1.486 | 2.459 | 8.8 | 20.2 | 7 20 | 21 25.51 | -19 28.9 | 1.823 | 2.798 | 7.3 | 19.0 |
| 7 30 | 21 19.86 | -18 4.7 | 1.448 | 2.454 | 4.1 | 19.9 | 7 30 | 21 18.10 | -20 12.5 | 1.793 | 2.799 | 3.5 | 18.7 |
| 8 9 | 21 9.50 | -18 54.1 | 1.435 | 2.448 | 1.4 | 19.7 | 8 9 | 21 9.87 | -20 54.3 | 1.789 | 2.800 | 1.9 | 18.6 |
| 8 19 | 20 59.17 | -19 38.1 | 1.448 | 2.441 | 6.1 | 20.0 | 8 19 | 21 1.74 | -21 29.6 | 1.813 | 2.802 | 5.4 | 18.9 |
| 8 29 | 20 50.14 | -20 11.8 | 1.488 | 2.433 | 10.7 | 20.3 | 8 29 | 20 54.68 | -21 55.1 | 1.862 | 2.804 | 9.1 | 19.1 |
| 9 8 | 20 43.44 | -20 32.7 | 1.550 | 2.426 | 14.7 | 20.5 | 9 8 | 20 49.46 | -22 9.0 | 1.935 | 2.806 | 12.5 | 19.3 |
| 158058 | 2000 <i>SZ</i> ₃₂₂ | | 8 7.6 105°10 | 12°0/20.1 | 18 | | 103557 | 2000 <i>BK</i> ₂₈ | | 8 7.6 289°25 | 1°3/ 6.6 | 18 | |
| 6 30 | 21 34.49 | +19 7.1 | 1.986 | 2.638 | 19.6 | 19.8 | 6 30 | 21 36.62 | -16 12.3 | 1.951 | 2.784 | 14.4 | 19.4 |
| 7 10 | 21 30.91 | +19 57.4 | 1.912 | 2.649 | 17.9 | 19.7 | 7 10 | 21 33.07 | -16 56.2 | 1.834 | 2.748 | 11.4 | 19.1 |
| 7 20 | 21 25.22 | +20 19.8 | 1.852 | 2.659 | 16.0 | 19.5 | 7 20 | 21 27.11 | -17 52.4 | 1.738 | 2.711 | 7.8 | 18.8 |
| 7 30 | 21 17.94 | +20 10.0 | 1.809 | 2.669 | 14.1 | 19.4 | 7 30 | 21 19.07 | -18 57.1 | 1.668 | 2.674 | 3.7 | 18.5 |
| 8 9 | 21 9.83 | +19 26.4 | 1.786 | 2.678 | 12.6 | 19.3 | 8 9 | 21 9.68 | -20 4.7 | 1.624 | 2.636 | 1.7 | 18.3 |
| 8 19 | 21 1.79 | +18 10.6 | 1.785 | 2.688 | 12.0 | 19.3 | 8 19 | 20 59.90 | -21 8.5 | 1.608 | 2.598 | 5.9 | 18.5 |
| 8 29 | 20 54.78 | +16 28.2 | 1.807 | 2.697 | 12.4 | 19.4 | 8 29 | 20 50.90 | -22 2.8 | 1.618 | 2.559 | 10.3 | 18.6 |
| 9 8 | 20 49.56 | +14 28.0 | 1.852 | 2.706 | 13.7 | 19.5 | 9 8 | 20 43.75 | -22 43.8 | 1.651 | 2.520 | 14.4 | 18.8 |
| 276429 | 2003 <i>BQ</i> ₄₉ | | 8 7.6 207°85 | 1°6/ 6.4 | 17 | | 89472 | 2001 <i>XK</i> ₂₂ | | 8 7.6 275°05 | 7°9/ 1.1 | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|--------------|---------|------|---------------|-------------------------------|-----------------|--------------|---------------|---------|------|
| 288055 | 2003 <i>UW</i> ₃₀₀ | | 8 7.6 27°50 | 5°1/ 5.6 17 | | | 117578 | 2005 <i>ET</i> ₃₅ | | 8 7.7 104°93 | 1°7/ 8.9 17 | | |
| 6 30 | 21 40.43 | -25 14.3 | 1.093 | 1.971 | 20.1 | 19.9 | 6 30 | 21 36.29 | -9 46.7 | 2.032 | 2.844 | 14.6 | 20.5 |
| 7 10 | 21 37.08 | -25 40.5 | 1.042 | 1.979 | 15.8 | 19.6 | 7 10 | 21 32.12 | -9 54.9 | 1.957 | 2.854 | 11.6 | 20.3 |
| 7 20 | 21 30.10 | -26 9.1 | 1.009 | 1.989 | 10.9 | 19.4 | 7 20 | 21 25.94 | -10 15.1 | 1.904 | 2.865 | 8.1 | 20.2 |
| 7 30 | 21 20.41 | -26 31.8 | 0.996 | 1.999 | 6.4 | 19.2 | 7 30 | 21 18.28 | -10 45.4 | 1.875 | 2.875 | 4.4 | 19.9 |
| 8 9 | 21 9.55 | -26 40.5 | 1.006 | 2.010 | 5.5 | 19.2 | 8 9 | 21 9.91 | -11 22.2 | 1.873 | 2.885 | 1.7 | 19.8 |
| 8 19 | 20 59.28 | -26 30.5 | 1.038 | 2.022 | 9.3 | 19.4 | 8 19 | 21 1.68 | -12 1.7 | 1.898 | 2.894 | 4.4 | 20.0 |
| 8 29 | 20 51.23 | -26 1.2 | 1.092 | 2.035 | 13.8 | 19.7 | 8 29 | 20 54.47 | -12 39.7 | 1.951 | 2.904 | 8.1 | 20.2 |
| 9 8 | 20 46.44 | -25 15.6 | 1.165 | 2.049 | 18.0 | 20.0 | 9 8 | 20 49.00 | -13 12.9 | 2.028 | 2.913 | 11.4 | 20.5 |
| 287448 | 2002 <i>XX</i> ₇₂ | | 8 7.6 280°25 | 0°5/ 7.9 18 | | | 213337 | 2001 <i>SE</i> ₂₀₉ | | 8 7.7 314°51 | 0°4/ 7.9 18 | | |
| 6 30 | 21 38.76 | -14 7.4 | 1.630 | 2.466 | 16.6 | 21.1 | 6 30 | 21 33.66 | -12 34.0 | 1.948 | 2.777 | 14.5 | 20.4 |
| 7 10 | 21 34.97 | -14 6.8 | 1.533 | 2.446 | 13.3 | 20.8 | 7 10 | 21 30.34 | -13 0.1 | 1.862 | 2.772 | 11.5 | 20.2 |
| 7 20 | 21 28.47 | -14 17.0 | 1.455 | 2.425 | 9.2 | 20.6 | 7 20 | 21 24.92 | -13 38.1 | 1.798 | 2.767 | 7.9 | 19.9 |
| 7 30 | 21 19.72 | -14 35.6 | 1.400 | 2.405 | 4.5 | 20.2 | 7 30 | 21 17.88 | -14 25.1 | 1.758 | 2.763 | 3.8 | 19.7 |
| 8 9 | 21 9.62 | -14 58.6 | 1.371 | 2.384 | 0.8 | 19.9 | 8 9 | 21 9.96 | -15 16.7 | 1.745 | 2.759 | 0.6 | 19.4 |
| 8 19 | 20 59.36 | -15 21.6 | 1.367 | 2.363 | 5.7 | 20.2 | 8 19 | 21 2.07 | -16 7.8 | 1.759 | 2.754 | 4.7 | 19.7 |
| 8 29 | 20 50.24 | -15 40.2 | 1.389 | 2.342 | 10.6 | 20.4 | 8 29 | 20 55.14 | -16 53.7 | 1.799 | 2.750 | 8.7 | 20.0 |
| 9 8 | 20 43.39 | -15 51.4 | 1.433 | 2.321 | 15.0 | 20.6 | 9 8 | 20 49.98 | -17 30.9 | 1.863 | 2.746 | 12.3 | 20.2 |
| 277418 | 2005 <i>UU</i> ₂₅₆ | | 8 7.7 350°67 | 1°3/ 6.9 15 | | | 38798 | 2000 <i>RB</i> ₅₄ | | 8 7.7 22°49 | 0°3/ 7.5 18 R | | |
| 6 30 | 21 31.74 | -17 18.6 | 1.107 | 1.987 | 19.8 | 20.5 | 6 30 | 21 35.73 | -14 9.9 | 1.747 | 2.584 | 15.6 | 18.7 |
| 7 10 | 21 30.34 | -17 31.1 | 1.039 | 1.979 | 15.6 | 20.2 | 7 10 | 21 32.18 | -14 40.0 | 1.669 | 2.584 | 12.3 | 18.5 |
| 7 20 | 21 25.71 | -17 55.9 | 0.988 | 1.971 | 10.6 | 19.9 | 7 20 | 21 26.27 | -15 22.1 | 1.612 | 2.584 | 8.3 | 18.3 |
| 7 30 | 21 18.47 | -18 28.2 | 0.957 | 1.965 | 5.0 | 19.6 | 7 30 | 21 18.54 | -16 12.2 | 1.579 | 2.585 | 3.9 | 18.0 |
| 8 9 | 21 9.84 | -19 1.0 | 0.948 | 1.961 | 1.8 | 19.4 | 8 9 | 21 9.87 | -17 5.0 | 1.571 | 2.585 | 0.8 | 17.8 |
| 8 19 | 21 1.33 | -19 27.4 | 0.961 | 1.958 | 7.3 | 19.7 | 8 19 | 21 1.27 | -17 54.9 | 1.591 | 2.585 | 5.3 | 18.1 |
| 8 29 | 20 54.55 | -19 42.1 | 0.995 | 1.956 | 12.8 | 20.0 | 8 29 | 20 53.84 | -18 36.9 | 1.636 | 2.586 | 9.6 | 18.4 |
| 9 8 | 20 50.67 | -19 42.6 | 1.048 | 1.956 | 17.6 | 20.3 | 9 8 | 20 48.43 | -19 8.0 | 1.704 | 2.586 | 13.3 | 18.6 |
| 392721 | 2012 <i>PD</i> | | 8 7.7 60°93 | 8°0/ 14.7 17 | | | 499630 | 2010 <i>UT</i> ₈₉ | | 8 7.7 124°71 | 4°9/ 4.9 17 | | |
| 6 30 | 21 33.08 | +10 35.4 | 1.058 | 1.842 | 26.8 | 20.9 | 6 30 | 21 42.74 | -25 22.8 | 1.515 | 2.369 | 16.8 | 21.5 |
| 7 10 | 21 31.36 | +9 27.0 | 0.989 | 1.849 | 23.1 | 20.6 | 7 10 | 21 38.11 | -26 9.5 | 1.451 | 2.374 | 13.2 | 21.3 |
| 7 20 | 21 26.40 | +7 25.4 | 0.933 | 1.856 | 18.5 | 20.3 | 7 20 | 21 30.49 | -26 59.3 | 1.406 | 2.379 | 9.2 | 21.0 |
| 7 30 | 21 18.81 | +4 28.0 | 0.894 | 1.864 | 13.4 | 20.1 | 7 30 | 21 20.57 | -27 44.4 | 1.384 | 2.383 | 5.7 | 20.8 |
| 8 9 | 21 9.78 | +0 42.7 | 0.878 | 1.872 | 8.9 | 19.9 | 8 9 | 21 9.55 | -28 17.0 | 1.388 | 2.388 | 5.3 | 20.8 |
| 8 19 | 21 0.83 | -3 31.4 | 0.887 | 1.880 | 8.5 | 19.9 | 8 19 | 20 58.83 | -28 31.9 | 1.417 | 2.392 | 8.4 | 21.0 |
| 8 29 | 20 53.58 | -7 48.4 | 0.921 | 1.889 | 12.6 | 20.1 | 8 29 | 20 49.79 | -28 27.3 | 1.471 | 2.397 | 12.3 | 21.3 |
| 9 8 | 20 49.28 | -11 44.2 | 0.979 | 1.897 | 17.5 | 20.5 | 9 8 | 20 43.43 | -28 4.6 | 1.545 | 2.401 | 15.9 | 21.5 |
| 46718 | 1997 <i>NK</i> ₆ | | 8 7.7 28°24 | 3°3/ 10.1 18 | | | 321945 | 2010 <i>TC</i> ₁₆₂ | | 8 7.7 205°00 | 9°0/ 27.6 18 | | |
| 6 30 | 21 32.82 | -5 23.6 | 1.694 | 2.510 | 16.9 | 18.5 | 6 30 | 21 44.64 | -49 9.8 | 2.957 | 3.746 | 11.1 | 21.1 |
| 7 10 | 21 29.86 | -5 33.0 | 1.620 | 2.514 | 13.8 | 18.3 | 7 10 | 21 38.88 | -50 30.0 | 2.900 | 3.741 | 9.9 | 21.0 |
| 7 20 | 21 24.66 | -6 0.7 | 1.564 | 2.520 | 10.0 | 18.1 | 7 20 | 21 30.68 | -51 39.8 | 2.865 | 3.736 | 9.2 | 21.0 |
| 7 30 | 21 17.75 | -6 45.4 | 1.532 | 2.525 | 6.1 | 17.9 | 7 30 | 21 20.59 | -52 32.5 | 2.854 | 3.731 | 9.0 | 20.9 |
| 8 9 | 21 9.97 | -7 43.3 | 1.524 | 2.531 | 3.3 | 17.8 | 8 9 | 21 9.55 | -53 3.2 | 2.867 | 3.725 | 9.5 | 21.0 |
| 8 19 | 21 2.30 | -8 48.7 | 1.542 | 2.537 | 5.2 | 17.9 | 8 19 | 20 58.62 | -53 9.6 | 2.904 | 3.719 | 10.5 | 21.0 |
| 8 29 | 20 55.74 | -9 55.5 | 1.585 | 2.544 | 9.1 | 18.1 | 8 29 | 20 48.94 | -52 51.8 | 2.962 | 3.713 | 11.7 | 21.1 |
| 9 8 | 20 51.12 | -10 57.6 | 1.652 | 2.551 | 12.7 | 18.4 | 9 8 | 20 41.37 | -52 13.0 | 3.039 | 3.706 | 12.9 | 21.2 |
| 489653 | 2007 <i>UD</i> ₃₆ | | 8 7.7 325°49 | 0°8/ 8.1 18 | | | 512216 | 2015 <i>TE</i> ₁₉₉ | | 8 7.7 358°67 | 0°4/ 7.4 18 | | |
| 6 30 | 21 30.02 | -11 40.1 | 1.085 | 1.957 | 20.7 | 20.8 | 6 30 | 21 32.89 | -15 6.8 | 2.048 | 2.882 | 13.7 | 20.6 |
| 7 10 | 21 29.18 | -11 58.4 | 1.004 | 1.938 | 16.6 | 20.4 | 7 10 | 21 29.60 | -15 31.8 | 1.967 | 2.881 | 10.7 | 20.4 |
| 7 20 | 21 25.13 | -12 38.2 | 0.940 | 1.919 | 11.6 | 20.1 | 7 20 | 21 24.34 | -16 6.0 | 1.908 | 2.880 | 7.2 | 20.2 |
| 7 30 | 21 18.33 | -13 36.8 | 0.895 | 1.902 | 5.8 | 19.7 | 7 30 | 21 17.57 | -16 46.2 | 1.874 | 2.880 | 3.4 | 20.0 |
| 8 9 | 21 9.84 | -14 47.5 | 0.872 | 1.885 | 1.0 | 19.3 | 8 9 | 21 10.03 | -17 28.0 | 1.867 | 2.880 | 0.8 | 19.8 |
| 8 19 | 21 1.16 | -16 0.9 | 0.870 | 1.870 | 7.1 | 19.7 | 8 19 | 21 2.56 | -18 7.2 | 1.886 | 2.880 | 4.7 | 20.1 |
| 8 29 | 20 54.02 | -17 7.2 | 0.889 | 1.856 | 13.1 | 20.0 | 8 29 | 20 56.05 | -18 39.9 | 1.932 | 2.881 | 8.4 | 20.3 |
| 9 8 | 20 49.80 | -17 58.8 | 0.927 | 1.843 | 18.6 | 20.2 | 9 8 | 20 51.21 | -19 3.6 | 2.002 | 2.882 | 11.7 | 20.5 |
| 4938 | Papadopoulos | | 8 7.7 265°33 | 3°4/ 9.7 18 | | | 165643 | 2001 <i>GK</i> ₁₁ | | 8 7.7 64°63 | 4°5/ 11.7 18 | | |
| 6 30 | 21 36.63 | -6 57.6 | 1.587 | 2.406 | 17.7 | 17.5 | 6 30 | 21 33.29 | -0 11.8 | 1.802 | 2.589 | 17.1 | 19.1 |
| 7 10 | 21 33.17 | -6 49.7 | 1.500 | 2.398 | 14.5 | 17.3 | 7 10 | 21 30.01 | -0 32.8 | 1.732 | 2.604 | 14.2 | 18.9 |
| 7 20 | 21 27.14 | -6 58.7 | 1.432 | 2.389 | 10.6 | 17.0 | 7 20 | 21 24.63 | -1 15.7 | 1.682 | 2.619 | 10.7 | 18.7 |
| 7 30 | 21 19.03 | -7 24.1 | 1.386 | 2.381 | 6.3 | 16.8 | 7 30 | 21 17.70 | -2 19.3 | 1.653 | 2.634 | 7.2 | 18.5 |
| 8 9 | 21 9.76 | -8 3.1 | 1.365 | 2.373 | 3.4 | 16.6 | 8 9 | 21 10.03 | -3 39.6 | 1.650 | 2.650 | 4.7 | 18.4 |
| 8 19 | 21 0.44 | -8 50.8 | 1.369 | 2.365 | 5.8 | 16.7 | 8 19 | 21 2.50 | -5 10.5 | 1.674 | 2.665 | 5.6 | 18.5 |
| 8 29 | 20 52.31 | -9 41.4 | 1.398 | 2.356 | 10.1 | 16.9 | 8 29 | 20 56.06 | -6 44.6 | 1.724 | 2.681 | 8.6 | 18.7 |
| 9 8 | 20 46.36 | -10 29.1 | 1.450 | 2.348 | 14.3 | 17.2 | 9 8 | 20 51.42 | -8 14.7 | 1.799 | 2.696 | 12.0 | 19.0 |
| 387540 | 2000 <i>UV</i> ₆₃ | | 8 7.7 284°45 | 1°2/ 8.4 18 | | | 163762 | 2003 <i>OH</i> ₂₀ | | 8 7.7 290°15 | 2°1/ 8.7 18 | | |
| 6 30 | 21 37.70 | -12 6.3 | 1.835 | 2.659 | 15.5 | 21.5 | 6 30 | 21 39.76 | -12 9.7 | 1.805 | 2.626 | 15.8 | 19.6 |
| 7 10 | 21 33.91 | -12 6.2 | 1.726 | 2.631 | 12.5 | 21.2 | 7 10 | 21 35.40 | -11 38.0 | 1.706 | 2.609 | 12.8 | 19.4 |
| 7 20 | 21 27.65 | -12 17.4 | 1.636 | 2.602 | 8.8 | 20.9 | 7 20 | 21 28.55 | -11 14.7 | 1.628 | 2.591 | 9.1 | 19.1 |
| 7 30 | 21 19.32 | -12 38.6 | 1.571 | 2.574 | 4.6 | 20.6 | 7 30 | 21 19.70 | -10 59.0 | 1.573 | 2.573 | 5.0 | 18.9 |
| 8 9 | 21 9.70 | -13 6.3 | 1.531 | 2.544 | 1.3 | 20.3 | 8 9 | 21 9.70 | -10 49.4 | 1.544 | 2.556 | 2.1 | 18.6 |
| 8 19 | 20 59.81 | -13 36.5 | 1.519 | 2.515 | 5.3 | 20.5 | 8 19 | 20 59.61 | -10 43.7 | 1.543 | 2.538 | 5.3 | 18.8 |
| 8 29 | 20 50.83 | -14 5.0 | 1.532 | 2.485 | 9.8 | 20.7 | 8 29 | 20 50.59 | -10 39.4 | 1.567 | 2.521 | 9.6 | 19.0 |
| 9 8 | 20 43.81 | -14 27.9 | 1.569 | 2.455 | 14.0 | 20.9 | 9 8 | 20 43.62 | -10 34.2 | 1.615 | 2.503 | 13.6 | 19.2 |
| 509130 | 2005 <i>YM</i> ₂₆₄ | | 8 7.7 129°52 | 0°8/ 7.1 17 | | | 335120 | 2004 <i>TU</i> ₂₅₈ | | 8 7.7 344°71 | 11°1/ 1.9 18 | | |
| 6 30 | | | | | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|----------|---------|------|---------------|------------------------|-----------------|--------------|----------|---------|------|
| 357863 | 2005 UY ₂₉₀ | | 8 7.7 202°27 | 3°7/10.8 | 18 | | 185510 | 2007 TA ₃₆₄ | | 8 7.7 254°45 | 0°9/ 6.9 | 18 | |
| 6 30 | 21 34.37 | - 3 33.2 | 2.496 | 3.273 | 13.2 | 21.1 | 6 30 | 21 34.97 | -16 9.3 | 2.147 | 2.978 | 13.3 | 20.6 |
| 7 10 | 21 30.33 | - 3 16.9 | 2.404 | 3.271 | 10.9 | 21.0 | 7 10 | 21 31.23 | -16 42.8 | 2.058 | 2.970 | 10.4 | 20.4 |
| 7 20 | 21 24.63 | - 3 12.9 | 2.333 | 3.269 | 8.2 | 20.8 | 7 20 | 21 25.48 | -17 25.2 | 1.991 | 2.963 | 7.0 | 20.2 |
| 7 30 | 21 17.67 | - 3 21.3 | 2.287 | 3.267 | 5.5 | 20.6 | 7 30 | 21 18.17 | -18 12.9 | 1.949 | 2.955 | 3.3 | 19.9 |
| 8 9 | 21 10.04 | - 3 40.8 | 2.267 | 3.265 | 3.8 | 20.5 | 8 9 | 21 10.02 | -19 1.2 | 1.935 | 2.947 | 1.2 | 19.8 |
| 8 19 | 21 2.44 | - 4 8.9 | 2.275 | 3.262 | 4.7 | 20.6 | 8 19 | 21 1.86 | -19 45.6 | 1.948 | 2.939 | 4.9 | 20.0 |
| 8 29 | 20 55.58 | - 4 42.7 | 2.311 | 3.260 | 7.2 | 20.7 | 8 29 | 20 54.61 | -20 22.1 | 1.988 | 2.932 | 8.6 | 20.2 |
| 9 8 | 20 50.08 | - 5 18.4 | 2.373 | 3.257 | 10.0 | 20.9 | 9 8 | 20 49.01 | -20 48.4 | 2.052 | 2.923 | 11.9 | 20.4 |
| 328887 | 2010 OJ ₅₈ | | 8 7.7 212°86 | 8°4/31.5 | 18 | | 80322 | 1999 XJ ₈₇ | | 8 7.7 275°61 | 1°1/ 6.9 | 18 | |
| 6 30 | 21 45.73 | -43 37.9 | 2.536 | 3.346 | 12.1 | 20.6 | 6 30 | 21 37.00 | -15 39.9 | 1.592 | 2.436 | 16.5 | 19.8 |
| 7 10 | 21 39.65 | -44 32.2 | 2.471 | 3.343 | 10.5 | 20.5 | 7 10 | 21 33.71 | -16 16.1 | 1.499 | 2.419 | 13.1 | 19.6 |
| 7 20 | 21 31.11 | -45 17.0 | 2.429 | 3.340 | 9.1 | 20.4 | 7 20 | 21 27.70 | -17 5.5 | 1.426 | 2.401 | 8.9 | 19.3 |
| 7 30 | 21 20.75 | -45 45.5 | 2.410 | 3.336 | 8.4 | 20.3 | 7 30 | 21 19.43 | -18 3.8 | 1.376 | 2.383 | 4.2 | 19.0 |
| 8 9 | 21 9.58 | -45 52.7 | 2.417 | 3.333 | 8.8 | 20.3 | 8 9 | 21 9.81 | -19 4.6 | 1.352 | 2.365 | 1.5 | 18.7 |
| 8 19 | 20 58.70 | -45 36.2 | 2.448 | 3.329 | 10.0 | 20.4 | 8 19 | 21 0.02 | -20 0.8 | 1.353 | 2.346 | 6.3 | 19.0 |
| 8 29 | 20 49.21 | -44 56.9 | 2.503 | 3.326 | 11.7 | 20.5 | 8 29 | 20 51.40 | -20 46.3 | 1.379 | 2.328 | 11.1 | 19.2 |
| 9 8 | 20 41.93 | -43 58.0 | 2.580 | 3.322 | 13.4 | 20.6 | 9 8 | 20 45.06 | -21 17.6 | 1.428 | 2.309 | 15.5 | 19.4 |
| 282408 | 2003 UW ₈ | | 8 7.7 358°88 | 9°5/13.1 | 18 | | 147502 | 2004 CT ₁₀₃ | | 8 7.7 66°86 | 1°0/ 8.2 | 17 | |
| 6 30 | 21 30.23 | + 2 8.5 | 1.294 | 2.104 | 21.5 | 19.1 | 6 30 | 21 40.04 | -13 5.6 | 1.454 | 2.293 | 18.1 | 20.1 |
| 7 10 | 21 28.56 | + 3 21.9 | 1.223 | 2.100 | 18.5 | 18.9 | 7 10 | 21 35.75 | -13 3.4 | 1.394 | 2.307 | 14.3 | 19.8 |
| 7 20 | 21 24.20 | + 4 11.8 | 1.168 | 2.097 | 15.1 | 18.7 | 7 20 | 21 28.74 | -13 13.5 | 1.352 | 2.322 | 9.8 | 19.6 |
| 7 30 | 21 17.70 | + 4 33.5 | 1.131 | 2.095 | 11.9 | 18.5 | 7 30 | 21 19.73 | -13 33.1 | 1.333 | 2.337 | 4.9 | 19.4 |
| 8 9 | 21 10.05 | + 4 25.4 | 1.115 | 2.095 | 9.7 | 18.4 | 8 9 | 21 9.81 | -13 57.5 | 1.339 | 2.352 | 1.1 | 19.2 |
| 8 19 | 21 2.45 | + 3 49.9 | 1.120 | 2.097 | 9.9 | 18.4 | 8 19 | 21 0.23 | -14 22.1 | 1.370 | 2.367 | 5.6 | 19.5 |
| 8 29 | 20 56.19 | + 2 53.2 | 1.147 | 2.100 | 12.4 | 18.5 | 8 29 | 20 52.22 | -14 42.6 | 1.427 | 2.382 | 10.2 | 19.8 |
| 9 8 | 20 52.29 | + 1 44.7 | 1.194 | 2.104 | 15.7 | 18.8 | 9 8 | 20 46.64 | -14 56.3 | 1.506 | 2.397 | 14.2 | 20.1 |
| 209351 | 2004 DV ₅ | | 8 7.7 283°35 | 0°4/ 7.9 | 18 | | 448699 | 2010 XP ₃₂ | | 8 7.7 313°59 | 1°7/ 8.8 | 17 | |
| 6 30 | 21 34.07 | -12 22.7 | 1.975 | 2.802 | 14.4 | 20.6 | 6 30 | 21 35.40 | -11 32.4 | 2.085 | 2.903 | 14.1 | 21.5 |
| 7 10 | 21 30.71 | -12 49.0 | 1.883 | 2.791 | 11.4 | 20.4 | 7 10 | 21 31.59 | -11 16.5 | 1.990 | 2.891 | 11.3 | 21.3 |
| 7 20 | 21 25.23 | -13 27.5 | 1.812 | 2.781 | 7.9 | 20.2 | 7 20 | 21 25.74 | -11 9.6 | 1.917 | 2.879 | 7.9 | 21.1 |
| 7 30 | 21 18.08 | -14 15.4 | 1.766 | 2.770 | 3.9 | 19.9 | 7 30 | 21 18.31 | -11 10.8 | 1.868 | 2.868 | 4.3 | 20.8 |
| 8 9 | 21 10.01 | -15 8.4 | 1.746 | 2.760 | 0.6 | 19.6 | 8 9 | 21 10.02 | -11 17.9 | 1.845 | 2.857 | 1.7 | 20.6 |
| 8 19 | 21 1.89 | -16 1.3 | 1.754 | 2.750 | 4.7 | 19.9 | 8 19 | 21 1.71 | -11 28.2 | 1.850 | 2.846 | 4.5 | 20.8 |
| 8 29 | 20 54.71 | -16 49.4 | 1.788 | 2.739 | 8.8 | 20.1 | 8 29 | 20 54.32 | -11 38.9 | 1.881 | 2.835 | 8.2 | 21.0 |
| 9 8 | 20 49.27 | -17 29.0 | 1.846 | 2.729 | 12.4 | 20.4 | 9 8 | 20 48.59 | -11 47.5 | 1.937 | 2.824 | 11.7 | 21.2 |
| 248533 | 2005 WL ₁₈₀ | | 8 7.7 160°63 | 7°0/15.4 | 18 | | 112326 | 2002 MM ₄ | | 8 7.7 139°88 | 3°8/10.2 | 18 | |
| 6 30 | 21 34.02 | +11 0.7 | 3.075 | 3.748 | 12.9 | 20.7 | 6 30 | 21 36.86 | - 5 13.3 | 1.572 | 2.385 | 18.2 | 20.0 |
| 7 10 | 21 29.74 | +11 40.0 | 2.985 | 3.754 | 11.4 | 20.5 | 7 10 | 21 33.27 | - 5 10.2 | 1.495 | 2.387 | 14.8 | 19.8 |
| 7 20 | 21 24.08 | +12 3.7 | 2.914 | 3.759 | 9.8 | 20.4 | 7 20 | 21 27.16 | - 5 26.1 | 1.436 | 2.389 | 10.9 | 19.6 |
| 7 30 | 21 17.38 | +12 10.0 | 2.866 | 3.764 | 8.3 | 20.3 | 7 30 | 21 19.06 | - 6 0.2 | 1.399 | 2.391 | 6.7 | 19.3 |
| 8 9 | 21 10.13 | +11 58.7 | 2.842 | 3.768 | 7.2 | 20.3 | 8 9 | 21 9.93 | - 6 49.3 | 1.387 | 2.393 | 3.9 | 19.2 |
| 8 19 | 21 2.91 | +11 30.7 | 2.845 | 3.772 | 7.1 | 20.3 | 8 19 | 21 0.87 | - 7 47.9 | 1.401 | 2.395 | 5.8 | 19.3 |
| 8 29 | 20 56.29 | +10 48.6 | 2.874 | 3.776 | 7.9 | 20.3 | 8 29 | 20 53.06 | - 8 49.6 | 1.439 | 2.397 | 9.9 | 19.5 |
| 9 8 | 20 50.78 | + 9 56.3 | 2.928 | 3.779 | 9.3 | 20.4 | 9 8 | 20 47.43 | - 9 48.0 | 1.501 | 2.399 | 13.8 | 19.8 |
| 394391 | 2007 EO ₈₂ | | 8 7.7 309°28 | 3°0/10.8 | 18 | | 346513 | 2008 UL ₁₄₃ | | 8 7.7 211°34 | 2°4/ 5.8 | 18 | |
| 6 30 | 21 31.31 | - 1 22.3 | 2.104 | 2.889 | 15.1 | 20.3 | 6 30 | 21 38.20 | -20 45.8 | 2.096 | 2.932 | 13.4 | 22.3 |
| 7 10 | 21 28.42 | - 2 20.7 | 2.005 | 2.879 | 12.4 | 20.0 | 7 10 | 21 33.84 | -21 26.1 | 2.012 | 2.927 | 10.5 | 22.1 |
| 7 20 | 21 23.62 | - 3 41.3 | 1.926 | 2.870 | 9.2 | 19.8 | 7 20 | 21 27.29 | -22 12.3 | 1.950 | 2.923 | 7.1 | 21.9 |
| 7 30 | 21 17.31 | - 5 22.4 | 1.872 | 2.860 | 5.7 | 19.6 | 7 30 | 21 19.06 | -22 59.5 | 1.914 | 2.918 | 3.7 | 21.7 |
| 8 9 | 21 10.14 | - 7 19.3 | 1.845 | 2.851 | 3.1 | 19.4 | 8 9 | 21 9.93 | -23 42.5 | 1.905 | 2.912 | 2.8 | 21.6 |
| 8 19 | 21 2.87 | - 9 25.0 | 1.846 | 2.842 | 4.6 | 19.5 | 8 19 | 21 0.85 | -24 16.5 | 1.923 | 2.906 | 5.8 | 21.8 |
| 8 29 | 20 56.39 | -11 31.2 | 1.877 | 2.833 | 8.1 | 19.7 | 8 29 | 20 52.79 | -24 38.6 | 1.969 | 2.900 | 9.4 | 22.0 |
| 9 8 | 20 51.44 | -13 30.2 | 1.934 | 2.824 | 11.6 | 19.9 | 9 8 | 20 46.56 | -24 47.6 | 2.038 | 2.894 | 12.5 | 22.2 |
| 418910 | 2009 BO ₁₅₈ | | 8 7.7 234°41 | 0°6/ 8.0 | 17 | | 478659 | 2012 TJ ₂₄₇ | | 8 7.7 338°21 | 1°2/ 8.2 | 18 | |
| 6 30 | 21 38.68 | -12 24.0 | 1.515 | 2.351 | 17.6 | 22.1 | 6 30 | 21 31.50 | -13 48.1 | 1.225 | 2.092 | 19.1 | 20.3 |
| 7 10 | 21 34.97 | -12 43.6 | 1.431 | 2.344 | 14.0 | 21.8 | 7 10 | 21 29.98 | -13 32.4 | 1.143 | 2.073 | 15.3 | 20.0 |
| 7 20 | 21 28.48 | -13 18.1 | 1.367 | 2.338 | 9.7 | 21.6 | 7 20 | 21 25.45 | -13 29.5 | 1.078 | 2.056 | 10.7 | 19.7 |
| 7 30 | 21 19.75 | -14 4.4 | 1.326 | 2.331 | 4.8 | 21.3 | 7 30 | 21 18.45 | -13 37.5 | 1.034 | 2.040 | 5.4 | 19.4 |
| 8 9 | 21 9.76 | -14 56.8 | 1.310 | 2.323 | 0.8 | 20.9 | 8 9 | 21 10.01 | -13 52.6 | 1.012 | 2.025 | 1.2 | 19.0 |
| 8 19 | 20 59.74 | -15 49.1 | 1.319 | 2.316 | 5.8 | 21.3 | 8 19 | 21 1.50 | -14 9.9 | 1.013 | 2.012 | 6.4 | 19.3 |
| 8 29 | 20 51.04 | -16 35.1 | 1.354 | 2.308 | 10.8 | 21.6 | 8 29 | 20 54.44 | -14 24.4 | 1.035 | 2.000 | 11.9 | 19.6 |
| 9 8 | 20 44.73 | -17 10.7 | 1.410 | 2.299 | 15.1 | 21.8 | 9 8 | 20 50.03 | -14 32.1 | 1.078 | 1.990 | 16.8 | 19.9 |
| 103635 | 2000 CT ₃₁ | | 8 7.7 139°10 | 1°6/ 9.0 | 16 | | 131902 | 2002 BA ₂ | | 8 7.7 124°21 | 1°0/ 8.6 | 18 | |
| 6 30 | 21 35.38 | - 9 1.1 | 2.150 | 2.958 | 14.1 | 20.4 | 6 30 | 21 36.51 | - 8 44.3 | 2.099 | 2.905 | 14.4 | 20.4 |
| 7 10 | 21 31.37 | - 9 19.4 | 2.070 | 2.964 | 11.2 | 20.2 | 7 10 | 21 32.27 | - 9 33.1 | 2.025 | 2.920 | 11.4 | 20.3 |
| 7 20 | 21 25.45 | - 9 50.4 | 2.011 | 2.970 | 7.9 | 20.0 | 7 20 | 21 26.08 | -10 36.5 | 1.973 | 2.934 | 7.9 | 20.1 |
| 7 30 | 21 18.11 | -10 31.9 | 1.977 | 2.976 | 4.3 | 19.8 | 7 30 | 21 18.42 | -11 51.0 | 1.947 | 2.948 | 4.1 | 19.9 |
| 8 9 | 21 10.03 | -11 20.3 | 1.970 | 2.981 | 1.6 | 19.7 | 8 9 | 21 10.04 | -13 11.3 | 1.948 | 2.961 | 1.0 | 19.7 |
| 8 19 | 21 2.04 | -12 11.4 | 1.991 | 2.986 | 4.3 | 19.9 | 8 19 | 21 1.78 | -14 31.6 | 1.978 | 2.974 | 4.3 | 19.9 |
| 8 29 | 20 54.98 | -13 0.7 | 2.039 | 2.991 | 7.8 | 20.1 | 8 29 | 20 54.50 | -15 46.3 | 2.036 | 2.986 | 8.0 | 20.2 |
| 9 8 | 20 49.52 | -13 44.5 | 2.112 | 2.996 | 11.0 | 20.3 | 9 8 | 20 48.90 | -16 51.4 | 2.120 | 2.997 | 11.3 | 20.4 |
| 323655 | 2005 CF ₃₃ | | 8 7.7 222°02 | 0°9/ 6.7 | 18 | | 84510 | 2002 TA ₂₉₀ | | 8 | | | |

EPHEMERIDES

8 7.7

8 7.7

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 52957 | 1998 <i>TW</i> ₁ | | 8 7.7 298°56 | 6°2/ 3.0 | 18 | | 200278 | 1999 <i>XZ</i> ₂₁₈ | | 8 7.7 296°86 | 4°6/ 9.9 | 18 | |
| 6 30 | 21 37.46 | -29 3.7 | 1.789 | 2.644 | 14.5 | 18.1 | 6 30 | 21 38.70 | -6 25.0 | 1.818 | 2.620 | 16.4 | 19.9 |
| 7 10 | 21 33.95 | -30 12.1 | 1.707 | 2.629 | 11.6 | 17.9 | 7 10 | 21 34.51 | -5 34.3 | 1.723 | 2.608 | 13.6 | 19.6 |
| 7 20 | 21 27.77 | -31 22.5 | 1.647 | 2.614 | 8.6 | 17.7 | 7 20 | 21 27.94 | -4 55.1 | 1.648 | 2.595 | 10.2 | 19.4 |
| 7 30 | 21 19.43 | -32 27.0 | 1.610 | 2.599 | 6.5 | 17.5 | 7 30 | 21 19.47 | -4 28.6 | 1.596 | 2.583 | 6.7 | 19.2 |
| 8 9 | 21 9.88 | -33 17.4 | 1.599 | 2.584 | 6.8 | 17.5 | 8 9 | 21 9.93 | -4 14.7 | 1.570 | 2.570 | 4.6 | 19.0 |
| 8 19 | 21 0.31 | -33 47.9 | 1.613 | 2.570 | 9.3 | 17.6 | 8 19 | 21 0.31 | -4 12.0 | 1.569 | 2.558 | 6.2 | 19.1 |
| 8 29 | 20 51.99 | -33 55.5 | 1.651 | 2.555 | 12.6 | 17.8 | 8 29 | 20 51.73 | -4 17.7 | 1.595 | 2.546 | 9.7 | 19.3 |
| 9 8 | 20 45.96 | -33 41.3 | 1.709 | 2.541 | 15.7 | 17.9 | 9 8 | 20 45.12 | -4 28.3 | 1.644 | 2.535 | 13.3 | 19.5 |
| 412879 | 2014 <i>QG</i> ₂₄ | | 8 7.7 244°07 | 0°2/ 7.8 | 17 | | 303947 | 2005 <i>XZ</i> ₈₅ | | 8 7.7 141°51 | 0°6/ 7.4 | 17 | |
| 6 30 | 21 34.10 | -14 44.8 | 2.893 | 3.705 | 10.7 | 21.4 | 6 30 | 21 42.01 | -15 48.4 | 1.438 | 2.280 | 18.1 | 21.1 |
| 7 10 | 21 29.96 | -14 50.9 | 2.797 | 3.697 | 8.4 | 21.3 | 7 10 | 21 37.58 | -16 5.5 | 1.368 | 2.286 | 14.2 | 20.9 |
| 7 20 | 21 24.32 | -15 2.8 | 2.723 | 3.689 | 5.7 | 21.1 | 7 20 | 21 30.21 | -16 34.1 | 1.318 | 2.291 | 9.6 | 20.6 |
| 7 30 | 21 17.55 | -15 18.7 | 2.677 | 3.681 | 2.8 | 20.9 | 7 30 | 21 20.56 | -17 9.5 | 1.290 | 2.296 | 4.5 | 20.4 |
| 8 9 | 21 10.19 | -15 36.4 | 2.658 | 3.672 | 0.4 | 20.6 | 8 9 | 21 9.78 | -17 45.7 | 1.287 | 2.300 | 1.1 | 20.1 |
| 8 19 | 21 2.85 | -15 53.4 | 2.669 | 3.663 | 3.5 | 20.9 | 8 19 | 20 59.20 | -18 17.0 | 1.310 | 2.304 | 6.2 | 20.5 |
| 8 29 | 20 56.16 | -16 7.5 | 2.708 | 3.654 | 6.4 | 21.1 | 8 29 | 20 50.22 | -18 39.0 | 1.358 | 2.308 | 11.1 | 20.8 |
| 9 8 | 20 50.68 | -16 17.0 | 2.774 | 3.645 | 9.1 | 21.2 | 9 8 | 20 43.84 | -18 49.6 | 1.427 | 2.312 | 15.3 | 21.0 |
| 32298 | Kunalshroff | | 8 7.7 244°95 | 0°1/ 7.6 | 18 | | 223938 | 2004 <i>XV</i> ₁₃ | | 8 7.7 285°51 | 6°8/ 31.5 | 18 | |
| 6 30 | 21 35.56 | -14 48.6 | 2.277 | 3.100 | 12.9 | 19.6 | 6 30 | 21 36.41 | -34 5.5 | 2.392 | 3.232 | 11.8 | 19.7 |
| 7 10 | 21 31.55 | -15 6.2 | 2.186 | 3.092 | 10.2 | 19.4 | 7 10 | 21 32.64 | -35 32.3 | 2.306 | 3.213 | 9.7 | 19.5 |
| 7 20 | 21 25.63 | -15 32.0 | 2.116 | 3.084 | 6.9 | 19.2 | 7 20 | 21 26.64 | -36 58.1 | 2.244 | 3.193 | 7.8 | 19.3 |
| 7 30 | 21 18.25 | -16 3.5 | 2.071 | 3.076 | 3.3 | 18.9 | 7 30 | 21 18.86 | -38 15.9 | 2.207 | 3.173 | 6.8 | 19.2 |
| 8 9 | 21 10.08 | -16 36.9 | 2.055 | 3.068 | 0.5 | 18.7 | 8 9 | 21 10.02 | -39 18.9 | 2.197 | 3.153 | 7.4 | 19.2 |
| 8 19 | 21 1.91 | -17 8.7 | 2.066 | 3.060 | 4.3 | 19.0 | 8 19 | 21 1.07 | -40 2.1 | 2.213 | 3.133 | 9.2 | 19.3 |
| 8 29 | 20 54.59 | -17 35.5 | 2.104 | 3.051 | 7.9 | 19.2 | 8 29 | 20 53.04 | -40 23.1 | 2.253 | 3.113 | 11.5 | 19.4 |
| 9 8 | 20 48.84 | -17 55.1 | 2.168 | 3.042 | 11.2 | 19.4 | 9 8 | 20 46.80 | -40 22.5 | 2.314 | 3.093 | 13.7 | 19.6 |
| 169625 | 2002 <i>GY</i> ₁₆₇ | | 8 7.7 71°66 | 2°9/ 9.3 | 17 | | 413383 | 2004 <i>NS</i> ₂₇ | | 8 7.7 14°63 | 1°8/ 8.5 | 17 | |
| 6 30 | 21 38.67 | -8 25.6 | 1.378 | 2.209 | 19.3 | 20.3 | 6 30 | 21 31.81 | -11 44.3 | 0.893 | 1.777 | 23.0 | 20.3 |
| 7 10 | 21 34.89 | -8 18.1 | 1.314 | 2.220 | 15.5 | 20.1 | 7 10 | 21 30.77 | -11 35.7 | 0.842 | 1.780 | 18.4 | 20.0 |
| 7 20 | 21 28.31 | -8 28.2 | 1.268 | 2.231 | 11.1 | 19.8 | 7 20 | 21 26.17 | -11 47.5 | 0.805 | 1.786 | 12.8 | 19.7 |
| 7 30 | 21 19.61 | -8 54.1 | 1.243 | 2.242 | 6.3 | 19.6 | 7 30 | 21 18.78 | -12 16.7 | 0.787 | 1.793 | 6.6 | 19.4 |
| 8 9 | 21 9.88 | -9 31.9 | 1.242 | 2.253 | 2.9 | 19.4 | 8 9 | 21 10.05 | -12 57.0 | 0.789 | 1.802 | 1.8 | 19.2 |
| 8 19 | 21 0.41 | -10 15.8 | 1.267 | 2.264 | 5.9 | 19.7 | 8 19 | 21 1.69 | -13 40.3 | 0.811 | 1.812 | 7.1 | 19.6 |
| 8 29 | 20 52.48 | -10 59.7 | 1.316 | 2.275 | 10.5 | 19.9 | 8 29 | 20 55.37 | -14 18.6 | 0.853 | 1.824 | 12.9 | 19.9 |
| 9 8 | 20 47.03 | -11 38.6 | 1.387 | 2.286 | 14.6 | 20.2 | 9 8 | 20 52.23 | -14 46.2 | 0.914 | 1.836 | 18.0 | 20.3 |
| 469645 | 2004 <i>TD</i> ₈₈ | | 8 7.7 148°35 | 6°8/ 2.9 | 17 | | 424585 | 2008 <i>GF</i> ₅₈ | | 8 7.7 82°54 | 4°8/ 4.9 | 17 | |
| 6 30 | 21 44.19 | -33 23.3 | 1.993 | 2.830 | 14.0 | 20.9 | 6 30 | 21 41.58 | -25 15.4 | 1.527 | 2.381 | 16.6 | 21.1 |
| 7 10 | 21 38.73 | -34 21.4 | 1.929 | 2.836 | 11.3 | 20.7 | 7 10 | 21 37.19 | -26 2.2 | 1.465 | 2.389 | 13.0 | 20.9 |
| 7 20 | 21 30.67 | -35 15.6 | 1.888 | 2.841 | 8.7 | 20.5 | 7 20 | 21 29.88 | -26 52.0 | 1.423 | 2.396 | 9.1 | 20.7 |
| 7 30 | 21 20.66 | -35 58.4 | 1.871 | 2.847 | 7.0 | 20.4 | 7 30 | 21 20.37 | -27 37.3 | 1.405 | 2.404 | 5.6 | 20.5 |
| 8 9 | 21 9.75 | -36 23.4 | 1.880 | 2.852 | 7.2 | 20.5 | 8 9 | 21 9.83 | -28 10.4 | 1.411 | 2.411 | 5.2 | 20.5 |
| 8 19 | 20 59.12 | -36 27.1 | 1.915 | 2.856 | 9.1 | 20.6 | 8 19 | 20 59.60 | -28 26.2 | 1.443 | 2.419 | 8.3 | 20.7 |
| 8 29 | 20 49.96 | -36 9.1 | 1.975 | 2.860 | 11.7 | 20.8 | 8 29 | 20 51.02 | -28 23.0 | 1.499 | 2.426 | 12.1 | 20.9 |
| 9 8 | 20 43.12 | -35 32.1 | 2.057 | 2.864 | 14.3 | 21.0 | 9 8 | 20 45.04 | -28 2.2 | 1.576 | 2.433 | 15.5 | 21.2 |
| 427302 | 2014 <i>WZ</i> ₂₆₀ | | 8 7.7 247°59 | 3°4/ 5.4 | 17 | | 362565 | 2010 <i>VX</i> ₇₀ | | 8 7.7 218°46 | 7°4/ 30.5 | 18 | |
| 6 30 | 21 38.24 | -19 37.0 | 1.452 | 2.308 | 17.2 | 21.1 | 6 30 | 21 38.81 | -38 43.1 | 2.615 | 3.443 | 11.3 | 21.0 |
| 7 10 | 21 34.90 | -20 42.7 | 1.375 | 2.302 | 13.5 | 20.9 | 7 10 | 21 34.30 | -40 8.9 | 2.547 | 3.438 | 9.5 | 20.8 |
| 7 20 | 21 28.60 | -22 0.2 | 1.319 | 2.296 | 9.2 | 20.6 | 7 20 | 21 27.63 | -41 29.8 | 2.503 | 3.432 | 8.0 | 20.7 |
| 7 30 | 21 19.90 | -23 22.0 | 1.285 | 2.290 | 4.8 | 20.4 | 7 30 | 21 19.26 | -42 38.9 | 2.484 | 3.427 | 7.4 | 20.7 |
| 8 9 | 21 9.85 | -24 38.9 | 1.277 | 2.284 | 3.9 | 20.3 | 8 9 | 21 9.99 | -43 30.4 | 2.491 | 3.421 | 7.9 | 20.7 |
| 8 19 | 20 59.79 | -25 42.2 | 1.293 | 2.277 | 7.9 | 20.5 | 8 19 | 21 0.73 | -44 0.7 | 2.524 | 3.416 | 9.3 | 20.8 |
| 8 29 | 20 51.19 | -26 26.2 | 1.334 | 2.271 | 12.5 | 20.7 | 8 29 | 20 52.48 | -44 8.7 | 2.580 | 3.409 | 11.1 | 20.9 |
| 9 8 | 20 45.15 | -26 49.1 | 1.396 | 2.264 | 16.5 | 21.0 | 9 8 | 20 46.05 | -43 56.1 | 2.657 | 3.403 | 12.9 | 21.0 |
| 263211 | 2008 <i>AP</i> ₂₆ | | 8 7.7 186°82 | 1°8/ 8.9 | 18 | | 255432 | 2005 <i>XG</i> ₇₉ | | 8 7.7 222°11 | 5°8/ 1.6 | 18 | |
| 6 30 | 21 37.24 | -10 43.2 | 2.179 | 2.988 | 13.9 | 20.6 | 6 30 | 21 39.32 | -35 46.5 | 2.908 | 3.732 | 10.4 | 21.6 |
| 7 10 | 21 32.84 | -10 31.7 | 2.093 | 2.988 | 11.1 | 20.4 | 7 10 | 21 34.34 | -36 45.0 | 2.828 | 3.723 | 8.5 | 21.5 |
| 7 20 | 21 26.48 | -10 29.8 | 2.029 | 2.988 | 7.8 | 20.2 | 7 20 | 21 27.45 | -37 39.8 | 2.772 | 3.714 | 6.8 | 21.4 |
| 7 30 | 21 18.65 | -10 36.1 | 1.989 | 2.988 | 4.3 | 20.0 | 7 30 | 21 19.12 | -38 25.7 | 2.742 | 3.704 | 5.9 | 21.3 |
| 8 9 | 21 10.06 | -10 48.5 | 1.976 | 2.987 | 1.8 | 19.8 | 8 9 | 21 10.04 | -38 58.1 | 2.739 | 3.693 | 6.2 | 21.3 |
| 8 19 | 21 1.54 | -11 4.2 | 1.991 | 2.987 | 4.3 | 20.0 | 8 19 | 21 0.99 | -39 13.9 | 2.764 | 3.682 | 7.6 | 21.4 |
| 8 29 | 20 53.96 | -11 20.3 | 2.034 | 2.986 | 7.9 | 20.2 | 8 29 | 20 52.81 | -39 12.1 | 2.814 | 3.671 | 9.5 | 21.5 |
| 9 8 | 20 48.02 | -11 34.2 | 2.101 | 2.985 | 11.1 | 20.4 | 9 8 | 20 46.21 | -38 53.7 | 2.886 | 3.659 | 11.4 | 21.6 |
| 492337 | 2014 <i>EA</i> ₅₀ | | 8 7.7 191°27 | 8°7/ 14.8 | 17 | | 392076 | 2009 <i>DO</i> ₁₈ | | 8 7.7 318°91 | 1°9/ 9.2 | 18 | |
| 6 30 | 21 35.96 | + 9 14.5 | 1.249 | 2.017 | 24.2 | 21.3 | 6 30 | 21 33.16 | - 8 26.7 | 1.852 | 2.672 | 15.5 | 20.8 |
| 7 10 | 21 33.36 | + 8 46.5 | 1.169 | 2.017 | 21.1 | 21.1 | 7 10 | 21 30.11 | - 8 45.2 | 1.766 | 2.666 | 12.5 | 20.6 |
| 7 20 | 21 27.71 | + 7 36.6 | 1.103 | 2.016 | 17.2 | 20.8 | 7 20 | 21 24.90 | - 9 19.1 | 1.699 | 2.661 | 8.9 | 20.4 |
| 7 30 | 21 19.54 | + 5 40.7 | 1.054 | 2.015 | 12.9 | 20.6 | 7 30 | 21 18.01 | -10 6.6 | 1.656 | 2.656 | 4.9 | 20.1 |
| 8 9 | 21 9.90 | + 3 1.8 | 1.028 | 2.014 | 9.4 | 20.4 | 8 9 | 21 10.20 | -11 3.6 | 1.639 | 2.650 | 1.9 | 19.9 |
| 8 19 | 21 0.17 | - 0 9.1 | 1.026 | 2.012 | 9.1 | 20.4 | 8 19 | 21 2.39 | -12 4.9 | 1.649 | 2.646 | 4.8 | 20.1 |
| 8 29 | 20 51.88 | - 3 34.2 | 1.049 | 2.009 | 12.3 | 20.6 | 8 29 | 20 55.56 | -13 4.7 | 1.684 | 2.641 | 8.8 | 20.3 |
| 9 8 | 20 46.27 | - 6 54.3 | 1.096 | 2.007 | 16.7 | 20.8 | 9 8 | 20 50.52 | -13 58.3 | 1.744 | 2.636 | 12.5 | 20.6 |
| 386112 | 2007 <i>RQ</i> ₁₃₉ | | 8 7.7 5°69 | 1°5/ 8.5 | 16 | | 263457 | 2008 <i>EX</i> ₁₆ | | 8 7.7 120°26 | 0°4/ 7.9 | 17 | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|----------|--------|-----------|------|---------------|------------------------|-----------------|----------|--------|------------|------|
| 6651 | 1991 RV ₉ | | 8 7.7 | 5°61 | 2.7/ 6.3 | 18 | 328105 | 2008 AZ ₃₁ | | 8 7.7 | 148°77 | 0°3/ 7.5 | 17 |
| 6 30 | 21 38.56 | -20 15.1 | 1.360 | 2.221 | 17.9 | 17.1 | 6 30 | 21 39.56 | -13 38.6 | 1.837 | 2.662 | 15.5 | 21.9 |
| 7 10 | 21 35.15 | -20 42.6 | 1.292 | 2.221 | 14.0 | 16.9 | 7 10 | 21 35.05 | -14 20.3 | 1.763 | 2.671 | 12.1 | 21.7 |
| 7 20 | 21 28.72 | -21 18.1 | 1.243 | 2.221 | 9.5 | 16.6 | 7 20 | 21 28.20 | -15 14.1 | 1.710 | 2.679 | 8.2 | 21.5 |
| 7 30 | 21 19.92 | -21 55.7 | 1.215 | 2.221 | 4.8 | 16.4 | 7 30 | 21 19.58 | -16 15.8 | 1.682 | 2.687 | 3.9 | 21.2 |
| 8 9 | 21 9.93 | -22 28.2 | 1.213 | 2.222 | 3.1 | 16.3 | 8 9 | 21 10.05 | -17 19.5 | 1.680 | 2.694 | 0.8 | 21.0 |
| 8 19 | 21 0.14 | -22 49.7 | 1.234 | 2.224 | 7.3 | 16.5 | 8 19 | 21 0.65 | -18 19.3 | 1.707 | 2.700 | 5.2 | 21.3 |
| 8 29 | 20 51.99 | -22 56.7 | 1.279 | 2.226 | 12.0 | 16.8 | 8 29 | 20 52.42 | -19 10.1 | 1.760 | 2.706 | 9.3 | 21.6 |
| 9 8 | 20 46.52 | -22 48.6 | 1.345 | 2.228 | 16.1 | 17.1 | 9 8 | 20 46.21 | -19 49.1 | 1.837 | 2.711 | 12.9 | 21.8 |
| 384570 | 2010 GA ₁₂₇ | | 8 7.7 | 82°76 | 1°0/ 8.5 | 18 | 33327 | 1998 RV ₄ | | 8 7.7 | 305°83 | 12°5/ 18.6 | 17 |
| 6 30 | 21 34.56 | -9 56.6 | 1.912 | 2.732 | 15.1 | 20.6 | 6 30 | 21 30.34 | +15 34.1 | 1.164 | 1.913 | 26.6 | 19.1 |
| 7 10 | 21 31.00 | -10 33.8 | 1.839 | 2.742 | 11.9 | 20.4 | 7 10 | 21 29.28 | +15 35.4 | 1.080 | 1.903 | 24.0 | 18.9 |
| 7 20 | 21 25.37 | -11 25.3 | 1.787 | 2.752 | 8.3 | 20.2 | 7 20 | 21 25.18 | +14 49.6 | 1.008 | 1.893 | 20.8 | 18.6 |
| 7 30 | 21 18.17 | -12 27.9 | 1.759 | 2.762 | 4.2 | 20.0 | 7 30 | 21 18.49 | +13 7.4 | 0.950 | 1.883 | 17.2 | 18.4 |
| 8 9 | 21 10.20 | -13 36.4 | 1.758 | 2.771 | 1.0 | 19.8 | 8 9 | 21 10.20 | +10 26.1 | 0.911 | 1.874 | 13.9 | 18.2 |
| 8 19 | 21 2.35 | -14 45.1 | 1.785 | 2.781 | 4.6 | 20.1 | 8 19 | 21 1.67 | +6 52.3 | 0.893 | 1.865 | 12.5 | 18.1 |
| 8 29 | 20 55.53 | -15 48.6 | 1.838 | 2.791 | 8.5 | 20.3 | 8 29 | 20 54.53 | +2 44.0 | 0.898 | 1.856 | 14.2 | 18.1 |
| 9 8 | 20 50.50 | -16 42.7 | 1.915 | 2.800 | 11.9 | 20.6 | 9 8 | 20 50.13 | -1 33.6 | 0.927 | 1.848 | 17.9 | 18.3 |
| 70478 | 1999 TN ₄₀ | | 8 7.7 | 223°86 | 5°0/ 4.7 | 18 R | 153310 | 2001 LZ | | 8 7.7 | 352°76 | 1°6/ 8.5 | 18 |
| 6 30 | 21 41.82 | -25 40.8 | 1.598 | 2.450 | 16.1 | 18.7 | 6 30 | 21 27.76 | -11 2.8 | 0.887 | 1.775 | 22.8 | 18.5 |
| 7 10 | 21 37.47 | -26 32.2 | 1.524 | 2.446 | 12.7 | 18.5 | 7 10 | 21 27.81 | -11 8.3 | 0.825 | 1.767 | 18.3 | 18.2 |
| 7 20 | 21 30.20 | -27 27.1 | 1.471 | 2.442 | 9.0 | 18.3 | 7 20 | 21 24.40 | -11 37.0 | 0.778 | 1.760 | 12.8 | 17.8 |
| 7 30 | 21 20.62 | -28 17.9 | 1.441 | 2.438 | 5.7 | 18.1 | 7 30 | 21 18.12 | -12 26.4 | 0.749 | 1.756 | 6.6 | 17.5 |
| 8 9 | 21 9.83 | -28 56.7 | 1.436 | 2.434 | 5.4 | 18.1 | 8 9 | 21 10.26 | -13 29.3 | 0.739 | 1.752 | 1.6 | 17.2 |
| 8 19 | 20 59.17 | -29 17.7 | 1.457 | 2.430 | 8.5 | 18.2 | 8 19 | 21 2.49 | -14 35.8 | 0.749 | 1.751 | 7.2 | 17.5 |
| 8 29 | 20 50.02 | -29 18.5 | 1.502 | 2.425 | 12.3 | 18.4 | 8 29 | 20 56.60 | -15 35.5 | 0.779 | 1.751 | 13.4 | 17.9 |
| 9 8 | 20 43.44 | -29 0.2 | 1.568 | 2.420 | 15.9 | 18.7 | 9 8 | 20 53.88 | -16 20.8 | 0.826 | 1.753 | 18.8 | 18.2 |
| 282378 | 2003 QQ ₆₃ | | 8 7.7 | 321°21 | 1°2/ 8.6 | 18 | 88170 | 2000 XW ₂₅ | | 8 7.7 | 251°65 | 0°6/ 7.3 | 18 |
| 6 30 | 21 31.45 | -8 53.6 | 1.597 | 2.432 | 16.9 | 19.6 | 6 30 | 21 38.56 | -17 53.0 | 2.427 | 3.247 | 12.3 | 19.3 |
| 7 10 | 21 29.22 | -9 35.4 | 1.509 | 2.420 | 13.6 | 19.4 | 7 10 | 21 33.79 | -17 52.5 | 2.331 | 3.237 | 9.6 | 19.1 |
| 7 20 | 21 24.58 | -10 37.0 | 1.440 | 2.408 | 9.5 | 19.1 | 7 20 | 21 27.12 | -17 56.6 | 2.258 | 3.227 | 6.5 | 18.9 |
| 7 30 | 21 17.97 | -11 55.6 | 1.394 | 2.397 | 4.9 | 18.8 | 7 30 | 21 19.02 | -18 2.8 | 2.212 | 3.217 | 3.1 | 18.7 |
| 8 9 | 21 10.23 | -13 25.0 | 1.373 | 2.386 | 1.2 | 18.5 | 8 9 | 21 10.15 | -18 8.3 | 2.193 | 3.206 | 0.9 | 18.5 |
| 8 19 | 21 2.39 | -14 57.5 | 1.377 | 2.375 | 5.4 | 18.8 | 8 19 | 21 1.32 | -18 10.6 | 2.203 | 3.195 | 4.3 | 18.7 |
| 8 29 | 20 55.63 | -16 24.8 | 1.408 | 2.365 | 10.1 | 19.1 | 8 29 | 20 53.34 | -18 7.8 | 2.241 | 3.184 | 7.7 | 18.9 |
| 9 8 | 20 50.92 | -17 40.2 | 1.460 | 2.356 | 14.3 | 19.3 | 9 8 | 20 46.91 | -17 58.9 | 2.304 | 3.173 | 10.8 | 19.1 |
| 430735 | 2004 GD ₄₇ | | 8 7.7 | 222°75 | 2°5/ 6.0 | 18 | 344138 | 2000 ES ₁₅₃ | | 8 7.7 | 195°36 | 2°9/ 10.3 | 18 |
| 6 30 | 21 40.33 | -20 26.9 | 1.816 | 2.655 | 15.0 | 21.8 | 6 30 | 21 34.79 | -4 41.5 | 2.380 | 3.165 | 13.5 | 21.3 |
| 7 10 | 21 35.91 | -21 3.7 | 1.732 | 2.649 | 11.8 | 21.5 | 7 10 | 21 30.84 | -4 55.2 | 2.288 | 3.163 | 11.0 | 21.1 |
| 7 20 | 21 28.95 | -21 47.4 | 1.669 | 2.642 | 8.0 | 21.3 | 7 20 | 21 25.13 | -5 23.1 | 2.216 | 3.160 | 8.1 | 20.9 |
| 7 30 | 21 19.99 | -22 32.8 | 1.630 | 2.635 | 4.1 | 21.0 | 7 30 | 21 18.07 | -6 4.0 | 2.169 | 3.157 | 5.0 | 20.7 |
| 8 9 | 21 9.94 | -23 13.7 | 1.619 | 2.627 | 2.9 | 20.9 | 8 9 | 21 10.29 | -6 55.5 | 2.149 | 3.154 | 2.9 | 20.6 |
| 8 19 | 20 59.92 | -23 44.9 | 1.634 | 2.619 | 6.4 | 21.1 | 8 19 | 21 2.50 | -7 53.6 | 2.158 | 3.151 | 4.3 | 20.6 |
| 8 29 | 20 51.11 | -24 2.9 | 1.674 | 2.610 | 10.4 | 21.4 | 8 29 | 20 55.48 | -8 54.0 | 2.194 | 3.146 | 7.3 | 20.8 |
| 9 8 | 20 44.44 | -24 6.7 | 1.738 | 2.601 | 14.0 | 21.6 | 9 8 | 20 49.88 | -9 52.1 | 2.257 | 3.142 | 10.4 | 21.0 |
| 25995 | 2001 FA ₈₃ | | 8 7.7 | 8°02 | 0°8/ 8.2 | 18 | 96077 | 6840 P-L | | 8 7.7 | 325°41 | 1°1/ 7.0 | 18 |
| 6 30 | 21 28.10 | -11 47.2 | 0.969 | 1.852 | 21.7 | 16.7 | 6 30 | 21 34.10 | -15 58.2 | 1.442 | 2.298 | 17.3 | 19.8 |
| 7 10 | 21 27.67 | -12 5.2 | 0.914 | 1.853 | 17.2 | 16.5 | 7 10 | 21 31.62 | -16 28.6 | 1.360 | 2.287 | 13.6 | 19.5 |
| 7 20 | 21 24.01 | -12 44.4 | 0.875 | 1.856 | 11.8 | 16.2 | 7 20 | 21 26.38 | -17 12.1 | 1.298 | 2.275 | 9.3 | 19.3 |
| 7 30 | 21 17.78 | -13 40.8 | 0.854 | 1.861 | 5.9 | 15.9 | 7 30 | 21 18.90 | -18 4.0 | 1.258 | 2.265 | 4.4 | 19.0 |
| 8 9 | 21 10.28 | -14 46.1 | 0.854 | 1.867 | 1.0 | 15.6 | 8 9 | 21 10.16 | -18 57.9 | 1.242 | 2.255 | 1.5 | 18.7 |
| 8 19 | 21 3.02 | -15 50.9 | 0.875 | 1.876 | 6.8 | 16.0 | 8 19 | 21 1.40 | -19 46.7 | 1.251 | 2.245 | 6.4 | 19.0 |
| 8 29 | 20 57.57 | -16 46.3 | 0.917 | 1.886 | 12.5 | 16.3 | 8 29 | 20 53.95 | -20 24.6 | 1.284 | 2.237 | 11.3 | 19.3 |
| 9 8 | 20 55.00 | -17 26.3 | 0.978 | 1.897 | 17.4 | 16.7 | 9 8 | 20 48.88 | -20 48.3 | 1.337 | 2.228 | 15.7 | 19.5 |
| 67983 | 2000 XY ₁₆ | | 8 7.7 | 320°99 | 2°0/ 8.4 | 18 R | 17929 | 1999 GQ ₂₁ | | 8 7.7 | 353°38 | 12°8/ 29.6 | 18 R |
| 6 30 | 21 38.04 | -13 47.1 | 1.207 | 2.064 | 20.0 | 19.1 | 6 30 | 21 36.57 | -39 16.0 | 1.259 | 2.132 | 18.3 | 16.6 |
| 7 10 | 21 35.26 | -13 9.9 | 1.124 | 2.047 | 16.1 | 18.8 | 7 10 | 21 34.71 | -41 16.0 | 1.208 | 2.126 | 15.7 | 16.4 |
| 7 20 | 21 29.19 | -12 43.0 | 1.058 | 2.032 | 11.4 | 18.5 | 7 20 | 21 29.06 | -43 7.6 | 1.176 | 2.121 | 13.6 | 16.3 |
| 7 30 | 21 20.35 | -12 25.5 | 1.012 | 2.017 | 6.0 | 18.1 | 7 30 | 21 20.31 | -44 36.6 | 1.165 | 2.118 | 12.8 | 16.2 |
| 8 9 | 21 9.90 | -12 14.8 | 0.989 | 2.002 | 2.0 | 17.8 | 8 9 | 21 9.96 | -45 30.7 | 1.174 | 2.115 | 13.7 | 16.3 |
| 8 19 | 20 59.37 | -12 8.0 | 0.990 | 1.988 | 6.7 | 18.1 | 8 19 | 20 59.89 | -45 43.7 | 1.202 | 2.114 | 15.9 | 16.4 |
| 8 29 | 20 50.42 | -12 1.5 | 1.013 | 1.976 | 12.3 | 18.3 | 8 29 | 20 52.00 | -45 16.2 | 1.250 | 2.113 | 18.5 | 16.6 |
| 9 8 | 20 44.36 | -11 52.4 | 1.055 | 1.964 | 17.4 | 18.6 | 9 8 | 20 47.56 | -44 14.5 | 1.313 | 2.114 | 21.1 | 16.8 |
| 263586 | 2008 FS ₁₀₄ | | 8 7.7 | 44°27 | 5°4/ 12.4 | 18 | 482925 | 2014 HF ₁₈₅ | | 8 7.7 | 29°07 | 9°8/ 30.5 | 18 |
| 6 30 | 21 32.48 | +1 0.2 | 2.104 | 2.874 | 15.5 | 20.7 | 6 30 | 21 37.69 | -38 26.7 | 1.747 | 2.599 | 15.0 | 20.0 |
| 7 10 | 21 29.18 | +1 15.0 | 2.027 | 2.883 | 13.0 | 20.5 | 7 10 | 21 34.30 | -40 14.0 | 1.703 | 2.609 | 12.6 | 19.9 |
| 7 20 | 21 24.04 | +1 12.0 | 1.969 | 2.892 | 10.2 | 20.3 | 7 20 | 21 28.04 | -41 53.6 | 1.681 | 2.620 | 10.6 | 19.8 |
| 7 30 | 21 17.54 | +0 50.6 | 1.933 | 2.901 | 7.4 | 20.2 | 7 30 | 21 19.59 | -43 15.2 | 1.682 | 2.631 | 9.8 | 19.8 |
| 8 9 | 21 10.35 | +0 12.5 | 1.922 | 2.910 | 5.6 | 20.1 | 8 9 | 21 10.09 | -44 10.8 | 1.707 | 2.643 | 10.5 | 19.8 |
| 8 19 | 21 3.26 | -0 39.0 | 1.938 | 2.919 | 6.0 | 20.1 | 8 19 | 21 0.88 | -44 36.2 | 1.754 | 2.656 | 12.2 | 20.0 |
| 8 29 | 20 57.05 | -1 39.1 | 1.980 | 2.929 | 8.2 | 20.3 | 8 29 | 20 53.28 | -44 31.5 | 1.822 | 2.669 | 14.4 | 20.1 |
| 9 8 | 20 52.40 | -2 42.3 | 2.047 | 2.939 | 10.9 | 20.5 | 9 8 | 20 48.23 | -44 0.6 | 1.910 | 2.682 | 16.4 | 20.3 |
| 270559 | 2002 GY ₁₈₅ | | 8 7.7 | 113°71 | 2°5/ 5.6 | 18 | 41218 | 1999 XK ₁₀ | | 8 7.7 | 143°27 | 3°5/ 4.7 | 18 |
| 6 30 | 21 36.53 | -22 24.9 | 2.403 | 3.237 | 1 | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|----------|---------|------|---------------|------------------------|-----------------|--------------|----------|---------|------|
| 198358 | 2004 VR ₁₀ | | 8 7.7 248°69 | 6°0/11.2 | 18 | | 442450 | 2011 UQ ₂₂₈ | | 8 7.7 265°56 | 0°6/ 8.2 | 18 | |
| 6 30 | 21 38.45 | - 1 38.1 | 1.918 | 2.696 | 16.5 | 20.1 | 6 30 | 21 34.88 | -12 26.8 | 2.084 | 2.906 | 14.0 | 22.4 |
| 7 10 | 21 34.17 | - 0 48.0 | 1.826 | 2.690 | 13.9 | 19.9 | 7 10 | 21 31.25 | -12 46.0 | 1.996 | 2.901 | 11.0 | 22.2 |
| 7 20 | 21 27.66 | - 0 12.7 | 1.754 | 2.683 | 10.9 | 19.6 | 7 20 | 21 25.60 | -13 16.1 | 1.928 | 2.895 | 7.6 | 22.0 |
| 7 30 | 21 19.38 | + 0 6.0 | 1.704 | 2.676 | 7.9 | 19.5 | 7 30 | 21 18.39 | -13 54.6 | 1.886 | 2.889 | 3.8 | 21.7 |
| 8 9 | 21 10.12 | + 0 7.9 | 1.680 | 2.669 | 6.0 | 19.3 | 8 9 | 21 10.34 | -14 37.6 | 1.870 | 2.884 | 0.7 | 21.5 |
| 8 19 | 21 0.81 | - 0 5.5 | 1.682 | 2.662 | 6.8 | 19.4 | 8 19 | 21 2.31 | -15 20.7 | 1.882 | 2.878 | 4.4 | 21.8 |
| 8 29 | 20 52.48 | - 0 30.8 | 1.709 | 2.654 | 9.6 | 19.5 | 8 29 | 20 55.17 | -15 59.9 | 1.921 | 2.872 | 8.3 | 22.0 |
| 9 8 | 20 45.99 | - 1 3.0 | 1.761 | 2.647 | 12.7 | 19.7 | 9 8 | 20 49.71 | -16 31.9 | 1.984 | 2.867 | 11.7 | 22.2 |
| 142985 | 2002 VF ₈₈ | | 8 7.7 235°65 | 1°6/ 8.7 | 18 | | 19019 | Sunflower | | 8 7.7 310°48 | 3°8/ 9.9 | 18 | |
| 6 30 | 21 38.81 | -10 59.1 | 1.789 | 2.609 | 16.0 | 20.4 | 6 30 | 21 33.86 | - 6 36.1 | 1.540 | 2.365 | 17.9 | 18.1 |
| 7 10 | 21 34.68 | -10 59.7 | 1.699 | 2.601 | 12.8 | 20.2 | 7 10 | 21 31.28 | - 6 21.0 | 1.446 | 2.346 | 14.7 | 17.9 |
| 7 20 | 21 28.12 | -11 12.8 | 1.629 | 2.593 | 9.0 | 19.9 | 7 20 | 21 26.13 | - 6 23.0 | 1.370 | 2.328 | 10.9 | 17.6 |
| 7 30 | 21 19.64 | -11 36.5 | 1.583 | 2.584 | 4.8 | 19.7 | 7 30 | 21 18.84 | - 6 42.5 | 1.316 | 2.310 | 6.7 | 17.3 |
| 8 9 | 21 10.08 | -12 7.4 | 1.562 | 2.575 | 1.6 | 19.4 | 8 9 | 21 10.27 | - 7 17.0 | 1.285 | 2.292 | 3.8 | 17.1 |
| 8 19 | 21 0.49 | -12 41.2 | 1.569 | 2.565 | 5.1 | 19.6 | 8 19 | 21 1.53 | - 8 2.5 | 1.279 | 2.275 | 6.0 | 17.2 |
| 8 29 | 20 52.00 | -13 13.5 | 1.602 | 2.556 | 9.4 | 19.9 | 8 29 | 20 53.89 | - 8 53.0 | 1.298 | 2.259 | 10.4 | 17.4 |
| 9 8 | 20 45.52 | -13 40.6 | 1.658 | 2.545 | 13.3 | 20.1 | 9 8 | 20 48.40 | - 9 42.3 | 1.338 | 2.242 | 14.7 | 17.6 |
| 8502 | Bauhaus | | 8 7.7 354°59 | 5°6/11.6 | 18 | | 350752 | 2002 AR ₁₇ | | 8 7.7 306°38 | 7°6/ 8.9 | 16 | |
| 6 30 | 21 33.36 | - 1 13.5 | 1.892 | 2.679 | 16.4 | 17.1 | 6 30 | 21 49.06 | - 9 9.6 | 1.097 | 1.930 | 23.1 | 20.1 |
| 7 10 | 21 30.17 | - 0 40.4 | 1.807 | 2.677 | 13.8 | 16.9 | 7 10 | 21 44.26 | - 7 2.3 | 1.017 | 1.921 | 19.2 | 19.8 |
| 7 20 | 21 24.91 | - 0 24.0 | 1.742 | 2.675 | 10.7 | 16.7 | 7 20 | 21 35.55 | - 5 0.7 | 0.955 | 1.911 | 14.6 | 19.5 |
| 7 30 | 21 18.04 | - 0 25.7 | 1.699 | 2.674 | 7.7 | 16.5 | 7 30 | 21 23.53 | - 3 9.9 | 0.913 | 1.902 | 10.0 | 19.2 |
| 8 9 | 21 10.33 | - 0 44.5 | 1.681 | 2.673 | 5.7 | 16.4 | 8 9 | 21 9.59 | - 1 35.7 | 0.894 | 1.893 | 7.6 | 19.1 |
| 8 19 | 21 2.64 | - 0 17.8 | 1.688 | 2.672 | 6.4 | 16.5 | 8 19 | 20 55.59 | - 0 22.6 | 0.898 | 1.884 | 10.1 | 19.2 |
| 8 29 | 20 55.91 | - 2 1.2 | 1.720 | 2.672 | 9.1 | 16.6 | 8 29 | 20 43.55 | + 0 28.6 | 0.925 | 1.876 | 14.8 | 19.4 |
| 9 8 | 20 50.91 | - 2 49.2 | 1.777 | 2.672 | 12.2 | 16.8 | 9 8 | 20 34.99 | + 1 1.4 | 0.971 | 1.868 | 19.6 | 19.7 |
| 86114 | 1999 RD ₁₃₀ | | 8 7.7 331°39 | 2°5/ 6.3 | 18 | | 521642 | 2015 QG ₁₇ | | 8 7.7 256°19 | 3°8/11.3 | 18 | |
| 6 30 | 21 38.77 | -22 46.2 | 1.890 | 2.733 | 14.3 | 18.5 | 6 30 | 21 32.73 | - 1 49.8 | 2.497 | 3.269 | 13.3 | 21.7 |
| 7 10 | 21 34.54 | -22 51.5 | 1.806 | 2.725 | 11.3 | 18.3 | 7 10 | 21 29.24 | - 1 51.5 | 2.395 | 3.258 | 11.1 | 21.5 |
| 7 20 | 21 27.93 | -22 59.3 | 1.743 | 2.716 | 7.7 | 18.0 | 7 20 | 21 24.09 | - 2 7.7 | 2.313 | 3.246 | 8.4 | 21.4 |
| 7 30 | 21 19.49 | -23 5.5 | 1.704 | 2.708 | 4.0 | 17.8 | 7 30 | 21 17.64 | - 2 38.4 | 2.256 | 3.234 | 5.8 | 21.2 |
| 8 9 | 21 10.12 | -23 5.8 | 1.692 | 2.701 | 2.8 | 17.7 | 8 9 | 21 10.48 | - 3 22.0 | 2.225 | 3.222 | 3.9 | 21.0 |
| 8 19 | 21 0.86 | -22 57.3 | 1.707 | 2.694 | 6.0 | 17.9 | 8 19 | 21 3.25 | - 4 15.3 | 2.222 | 3.210 | 4.7 | 21.1 |
| 8 29 | 20 52.79 | -22 38.3 | 1.748 | 2.687 | 9.8 | 18.1 | 8 29 | 20 56.69 | - 5 14.3 | 2.247 | 3.198 | 7.3 | 21.2 |
| 9 8 | 20 46.77 | -22 9.1 | 1.811 | 2.681 | 13.2 | 18.3 | 9 8 | 20 51.43 | - 6 14.5 | 2.297 | 3.185 | 10.1 | 21.4 |
| 309687 | 2008 EZ ₁₆₈ | | 8 7.7 146°71 | 5°2/ 2.8 | 18 | | 285837 | 2001 EZ ₂₂ | | 8 7.7 63°76 | 1°4/ 6.9 | 17 | |
| 6 30 | 21 38.45 | -31 16.3 | 2.569 | 3.402 | 11.3 | 21.4 | 6 30 | 21 39.16 | -16 32.1 | 1.369 | 2.221 | 18.3 | 20.6 |
| 7 10 | 21 33.73 | -32 18.5 | 2.502 | 3.409 | 9.0 | 21.3 | 7 10 | 21 35.37 | -17 8.0 | 1.313 | 2.237 | 14.2 | 20.3 |
| 7 20 | 21 27.08 | -33 19.0 | 2.459 | 3.416 | 6.8 | 21.1 | 7 20 | 21 28.72 | -17 55.5 | 1.276 | 2.253 | 9.5 | 20.1 |
| 7 30 | 21 18.99 | -34 12.1 | 2.443 | 3.422 | 5.3 | 21.0 | 7 30 | 21 19.93 | -18 48.8 | 1.262 | 2.269 | 4.5 | 19.9 |
| 8 9 | 21 10.20 | -34 53.0 | 2.454 | 3.428 | 5.5 | 21.1 | 8 9 | 21 10.17 | -19 40.4 | 1.272 | 2.285 | 1.8 | 19.7 |
| 8 19 | 21 1.54 | -35 18.2 | 2.492 | 3.434 | 7.3 | 21.2 | 8 19 | 21 0.77 | -20 23.8 | 1.308 | 2.301 | 6.4 | 20.1 |
| 8 29 | 20 53.85 | -35 26.4 | 2.556 | 3.439 | 9.5 | 21.3 | 8 29 | 20 53.01 | -20 54.4 | 1.368 | 2.317 | 11.1 | 20.4 |
| 9 8 | 20 47.82 | -35 18.4 | 2.643 | 3.444 | 11.6 | 21.5 | 9 8 | 20 47.82 | -21 10.6 | 1.449 | 2.334 | 15.1 | 20.7 |
| 66771 | 1999 TM ₂₁₀ | | 8 7.7 227°86 | 2°0/ 6.3 | 18 | | 115308 | 2003 SC ₂₁₁ | | 8 7.7 221°12 | 3°4/ 9.9 | 17 | |
| 6 30 | 21 41.20 | -21 29.3 | 2.326 | 3.150 | 12.6 | 19.4 | 6 30 | 21 38.43 | - 5 46.1 | 1.734 | 2.538 | 17.1 | 20.7 |
| 7 10 | 21 36.02 | -21 46.5 | 2.231 | 3.140 | 9.9 | 19.2 | 7 10 | 21 34.47 | - 5 45.3 | 1.644 | 2.532 | 14.0 | 20.5 |
| 7 20 | 21 28.74 | -22 7.2 | 2.159 | 3.128 | 6.7 | 19.0 | 7 20 | 21 28.07 | - 6 1.7 | 1.572 | 2.524 | 10.3 | 20.3 |
| 7 30 | 21 19.84 | -22 27.7 | 2.113 | 3.116 | 3.4 | 18.7 | 7 30 | 21 19.69 | - 6 34.7 | 1.524 | 2.516 | 6.3 | 20.0 |
| 8 9 | 21 10.07 | -22 43.8 | 2.095 | 3.104 | 2.3 | 18.6 | 8 9 | 21 10.19 | - 7 21.5 | 1.501 | 2.508 | 3.5 | 19.8 |
| 8 19 | 21 0.32 | -22 52.3 | 2.106 | 3.091 | 5.2 | 18.8 | 8 19 | 21 0.62 | - 8 17.1 | 1.505 | 2.499 | 5.5 | 19.9 |
| 8 29 | 20 51.51 | -22 51.3 | 2.145 | 3.077 | 8.6 | 19.0 | 8 29 | 20 52.13 | - 9 15.8 | 1.534 | 2.490 | 9.6 | 20.1 |
| 9 8 | 20 44.43 | -22 40.3 | 2.208 | 3.063 | 11.8 | 19.2 | 9 8 | 20 45.67 | -10 11.8 | 1.587 | 2.480 | 13.5 | 20.4 |
| 315119 | 2007 EC ₆₉ | | 8 7.7 210°12 | 0°4/ 7.3 | 18 | | 358953 | 2008 KE ₈ | | 8 7.7 27°45 | 1°2/ 6.9 | 18 | |
| 6 30 | 21 34.34 | -15 27.1 | 2.603 | 3.423 | 11.6 | 21.6 | 6 30 | 21 33.35 | -16 41.6 | 1.812 | 2.657 | 14.8 | 20.3 |
| 7 10 | 21 30.39 | -15 55.1 | 2.514 | 3.419 | 9.0 | 21.4 | 7 10 | 21 30.23 | -17 16.4 | 1.747 | 2.667 | 11.5 | 20.1 |
| 7 20 | 21 24.78 | -16 30.4 | 2.447 | 3.415 | 6.1 | 21.2 | 7 20 | 21 24.95 | -18 0.2 | 1.703 | 2.678 | 7.7 | 19.9 |
| 7 30 | 21 17.91 | -17 10.2 | 2.406 | 3.411 | 2.9 | 21.0 | 7 30 | 21 18.07 | -18 48.7 | 1.683 | 2.690 | 3.6 | 19.7 |
| 8 9 | 21 10.39 | -17 51.0 | 2.394 | 3.407 | 0.7 | 20.8 | 8 9 | 21 10.44 | -19 36.5 | 1.689 | 2.702 | 1.5 | 19.6 |
| 8 19 | 21 2.89 | -18 29.3 | 2.410 | 3.403 | 4.0 | 21.0 | 8 19 | 21 2.99 | -20 18.5 | 1.722 | 2.714 | 5.3 | 19.9 |
| 8 29 | 20 56.12 | -19 2.1 | 2.455 | 3.398 | 7.2 | 21.2 | 8 29 | 20 56.67 | -20 50.9 | 1.780 | 2.727 | 9.1 | 20.1 |
| 9 8 | 20 50.69 | -19 27.2 | 2.524 | 3.393 | 10.0 | 21.4 | 9 8 | 20 52.22 | -21 11.6 | 1.861 | 2.741 | 12.5 | 20.4 |
| 158355 | 2001 XX ₁₁₅ | | 8 7.7 204°19 | 5°1/ 3.6 | 18 | | 88130 | 2000 WM ₁₅₃ | | 8 7.7 313°73 | 2°5/ 5.9 | 18 | |
| 6 30 | 21 39.65 | -26 48.9 | 2.006 | 2.848 | 13.7 | 20.5 | 6 30 | 21 33.85 | -20 4.0 | 1.904 | 2.752 | 14.1 | 18.9 |
| 7 10 | 21 35.29 | -28 2.1 | 1.929 | 2.845 | 10.8 | 20.3 | 7 10 | 21 30.86 | -20 45.0 | 1.810 | 2.732 | 11.0 | 18.7 |
| 7 20 | 21 28.50 | -29 18.4 | 1.874 | 2.841 | 7.8 | 20.1 | 7 20 | 21 25.60 | -21 33.8 | 1.737 | 2.713 | 7.5 | 18.4 |
| 7 30 | 21 19.82 | -30 30.5 | 1.845 | 2.837 | 5.4 | 19.9 | 7 30 | 21 18.51 | -22 25.8 | 1.689 | 2.694 | 3.9 | 18.1 |
| 8 9 | 21 10.11 | -31 31.1 | 1.843 | 2.833 | 5.6 | 19.9 | 8 9 | 21 10.36 | -23 14.9 | 1.668 | 2.676 | 2.8 | 18.0 |
| 8 19 | 21 0.42 | -32 14.8 | 1.868 | 2.828 | 8.0 | 20.1 | 8 19 | 21 2.12 | -23 55.9 | 1.672 | 2.658 | 6.2 | 18.2 |
| 8 29 | 20 51.88 | -32 38.5 | 1.918 | 2.822 | 11.1 | 20.3 | 8 29 | 20 54.86 | -24 24.5 | 1.702 | 2.640 | 10.1 | 18.4 |
| 9 8 | 20 45.39 | -32 42.6 | 1.990 | 2.816 | 14.0 | 20.4 | 9 8 | 20 49.47 | -24 38.7 | 1.754 | 2.623 | 13.7 | 18.6 |
| 1584 | Fuji | | 8 7.7 183°79 | 3°3/ 9.3 | 18 | | 78336 | 2002 PX ₈₇ | | 8 7.7 314°39 | 0°3/ 7.6 | 18 | |
| 6 30 | 21 48.45 | - 9 16.9 | 2.054 | 2.838 | 15.4 | 15.3 | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|----------|---------|------|---------------|------------------------|-----------------|--------------|-----------|---------|------|
| 10432 | Ullischwarz | | 8 7.8 115°23 | 2°6/ 6.3 | 18 | | 507143 | 2009 WX ₁₀₂ | | 8 7.8 127°59 | 0°6/ 8.2 | 17 | |
| 6 30 | 21 42.66 | -19 56.6 | 1.468 | 2.316 | 17.5 | 18.6 | 6 30 | 21 38.51 | -12 0.9 | 2.070 | 2.884 | 14.3 | 21.8 |
| 7 10 | 21 38.09 | -20 30.4 | 1.404 | 2.326 | 13.6 | 18.4 | 7 10 | 21 33.91 | -12 25.4 | 1.997 | 2.897 | 11.3 | 21.6 |
| 7 20 | 21 30.59 | -21 12.0 | 1.360 | 2.335 | 9.2 | 18.1 | 7 20 | 21 27.29 | -13 0.8 | 1.946 | 2.911 | 7.7 | 21.4 |
| 7 30 | 21 20.85 | -21 55.1 | 1.338 | 2.344 | 4.6 | 17.9 | 7 30 | 21 19.17 | -13 44.1 | 1.920 | 2.923 | 3.8 | 21.2 |
| 8 9 | 21 10.05 | -22 32.7 | 1.342 | 2.352 | 2.9 | 17.8 | 8 9 | 21 10.32 | -14 31.2 | 1.922 | 2.935 | 0.7 | 21.0 |
| 8 19 | 20 59.55 | -22 59.2 | 1.372 | 2.360 | 7.0 | 18.1 | 8 19 | 21 1.63 | -15 17.4 | 1.952 | 2.947 | 4.4 | 21.3 |
| 8 29 | 20 50.68 | -23 11.3 | 1.427 | 2.368 | 11.4 | 18.3 | 8 29 | 20 53.98 | -15 58.8 | 2.009 | 2.958 | 8.1 | 21.5 |
| 9 8 | 20 44.43 | -23 8.6 | 1.503 | 2.376 | 15.3 | 18.6 | 9 8 | 20 48.08 | -16 32.5 | 2.091 | 2.969 | 11.4 | 21.8 |
| 255682 | 2006 QK ₅₁ | | 8 7.8 22°17 | 5°0/ 5.9 | 17 | | 273881 | 2007 HD ₁₂ | | 8 7.8 214°67 | 1°5/ 8.8 | 18 | |
| 6 30 | 21 38.60 | -25 1.1 | 0.930 | 1.821 | 21.7 | 19.6 | 6 30 | 21 37.28 | -10 20.9 | 1.894 | 2.711 | 15.4 | 21.5 |
| 7 10 | 21 36.13 | -25 16.0 | 0.887 | 1.832 | 17.0 | 19.4 | 7 10 | 21 33.32 | -10 30.5 | 1.808 | 2.708 | 12.3 | 21.3 |
| 7 20 | 21 29.77 | -25 33.1 | 0.861 | 1.844 | 11.7 | 19.1 | 7 20 | 21 27.12 | -10 53.0 | 1.741 | 2.704 | 8.6 | 21.1 |
| 7 30 | 21 20.52 | -25 44.2 | 0.853 | 1.858 | 6.7 | 18.9 | 7 30 | 21 19.19 | -11 26.3 | 1.699 | 2.700 | 4.6 | 20.8 |
| 8 9 | 21 10.12 | -25 41.4 | 0.866 | 1.873 | 5.4 | 18.9 | 8 9 | 21 10.31 | -12 6.9 | 1.684 | 2.696 | 1.5 | 20.6 |
| 8 19 | 21 0.45 | -25 20.6 | 0.901 | 1.890 | 9.4 | 19.2 | 8 19 | 21 1.44 | -12 50.1 | 1.695 | 2.691 | 4.8 | 20.8 |
| 8 29 | 20 53.21 | -24 41.9 | 0.956 | 1.908 | 14.3 | 19.5 | 8 29 | 20 53.60 | -13 31.4 | 1.733 | 2.687 | 8.8 | 21.0 |
| 9 8 | 20 49.40 | -23 48.5 | 1.029 | 1.928 | 18.6 | 19.8 | 9 8 | 20 47.63 | -14 6.9 | 1.795 | 2.682 | 12.5 | 21.3 |
| 443007 | 2013 CV ₁₉₈ | | 8 7.8 118°83 | 2°4/ 9.5 | 18 | | 249592 | 1997 CL | | 8 7.8 347°08 | 0°8/ 8.2 | 18 | |
| 6 30 | 21 36.25 | - 8 32.1 | 2.244 | 3.045 | 13.8 | 20.9 | 6 30 | 21 37.20 | -14 18.0 | 1.893 | 2.722 | 14.9 | 20.2 |
| 7 10 | 21 32.05 | - 8 18.4 | 2.159 | 3.047 | 11.1 | 20.7 | 7 10 | 21 33.22 | -14 2.6 | 1.809 | 2.718 | 11.8 | 20.0 |
| 7 20 | 21 25.99 | - 8 15.3 | 2.096 | 3.050 | 8.0 | 20.5 | 7 20 | 21 27.01 | -13 55.1 | 1.746 | 2.714 | 8.1 | 19.7 |
| 7 30 | 21 18.54 | - 8 22.0 | 2.058 | 3.052 | 4.7 | 20.3 | 7 30 | 21 19.11 | -13 53.8 | 1.708 | 2.712 | 4.1 | 19.5 |
| 8 9 | 21 10.39 | - 8 36.6 | 2.047 | 3.055 | 2.4 | 20.1 | 8 9 | 21 10.34 | -13 55.9 | 1.696 | 2.709 | 0.9 | 19.3 |
| 8 19 | 21 2.31 | - 8 56.3 | 2.063 | 3.057 | 4.3 | 20.3 | 8 19 | 21 1.66 | -13 58.7 | 1.710 | 2.707 | 4.7 | 19.5 |
| 8 29 | 20 55.12 | - 9 18.1 | 2.107 | 3.059 | 7.6 | 20.5 | 8 29 | 20 54.06 | -13 59.7 | 1.751 | 2.705 | 8.8 | 19.8 |
| 9 8 | 20 49.48 | - 9 38.9 | 2.175 | 3.061 | 10.7 | 20.7 | 9 8 | 20 48.36 | -13 56.8 | 1.816 | 2.704 | 12.3 | 20.0 |
| 349347 | 2007 VQ ₁₀₈ | | 8 7.8 225°26 | 1°9/ 9.2 | 18 | | 164296 | 2004 XD ₁₃₁ | | 8 7.8 304°19 | 3°8/ 9.6 | 18 | |
| 6 30 | 21 36.03 | - 9 6.5 | 2.293 | 3.095 | 13.5 | 21.8 | 6 30 | 21 35.48 | - 8 13.4 | 1.274 | 2.116 | 20.0 | 19.5 |
| 7 10 | 21 31.95 | - 9 11.0 | 2.198 | 3.088 | 10.8 | 21.6 | 7 10 | 21 33.19 | - 7 50.1 | 1.183 | 2.095 | 16.4 | 19.2 |
| 7 20 | 21 25.99 | - 9 26.7 | 2.125 | 3.081 | 7.7 | 21.4 | 7 20 | 21 27.83 | - 7 44.3 | 1.109 | 2.074 | 12.1 | 18.8 |
| 7 30 | 21 18.58 | - 9 52.3 | 2.076 | 3.073 | 4.3 | 21.2 | 7 30 | 21 19.84 | - 7 56.7 | 1.055 | 2.053 | 7.2 | 18.5 |
| 8 9 | 21 10.38 | -10 25.1 | 2.055 | 3.065 | 1.9 | 21.0 | 8 9 | 21 10.20 | - 8 25.0 | 1.023 | 2.033 | 3.8 | 18.2 |
| 8 19 | 21 2.16 | -11 1.8 | 2.062 | 3.057 | 4.2 | 21.2 | 8 19 | 21 0.27 | - 9 4.6 | 1.015 | 2.013 | 6.8 | 18.4 |
| 8 29 | 20 54.74 | -11 38.6 | 2.096 | 3.048 | 7.6 | 21.4 | 8 29 | 20 51.65 | - 9 48.8 | 1.029 | 1.993 | 12.1 | 18.6 |
| 9 8 | 20 48.84 | -12 12.2 | 2.156 | 3.039 | 10.9 | 21.6 | 9 8 | 20 45.68 | -10 31.0 | 1.064 | 1.974 | 17.1 | 18.8 |
| 475949 | 2007 EA ₂₂₄ | | 8 7.8 50°53 | 1°3/ 8.6 | 16 | | 345509 | 2006 JV ₈₀ | | 8 7.8 79°53 | 1°5/ 6.7 | 18 | |
| 6 30 | 21 35.93 | -10 10.8 | 1.450 | 2.287 | 18.2 | 21.2 | 6 30 | 21 36.93 | -17 43.4 | 1.837 | 2.677 | 14.9 | 21.0 |
| 7 10 | 21 32.62 | -10 35.4 | 1.393 | 2.305 | 14.4 | 21.0 | 7 10 | 21 33.11 | -18 17.7 | 1.762 | 2.679 | 11.6 | 20.8 |
| 7 20 | 21 26.75 | -11 16.7 | 1.355 | 2.323 | 9.9 | 20.8 | 7 20 | 21 26.99 | -19 0.5 | 1.708 | 2.681 | 7.8 | 20.6 |
| 7 30 | 21 18.97 | -12 11.0 | 1.339 | 2.342 | 5.1 | 20.6 | 7 30 | 21 19.12 | -19 47.3 | 1.678 | 2.684 | 3.7 | 20.3 |
| 8 9 | 21 10.34 | -13 12.2 | 1.348 | 2.361 | 1.3 | 20.4 | 8 9 | 21 10.34 | -20 32.7 | 1.674 | 2.686 | 1.8 | 20.2 |
| 8 19 | 21 2.00 | -14 13.5 | 1.382 | 2.380 | 5.3 | 20.7 | 8 19 | 21 1.68 | -21 11.4 | 1.698 | 2.688 | 5.6 | 20.4 |
| 8 29 | 20 55.10 | -15 8.8 | 1.442 | 2.400 | 9.9 | 21.0 | 8 29 | 20 54.16 | -21 39.6 | 1.747 | 2.691 | 9.5 | 20.7 |
| 9 8 | 20 50.47 | -15 53.6 | 1.523 | 2.419 | 13.8 | 21.3 | 9 8 | 20 48.62 | -21 55.7 | 1.820 | 2.693 | 13.0 | 20.9 |
| 310865 | 2003 FO ₃₉ | | 8 7.8 6°89 | 0°3/ 7.5 | 18 | | 512432 | 2016 PU ₉₀ | | 8 7.8 192°49 | 5°9/ 2.6 | 17 | |
| 6 30 | 21 35.02 | -15 31.6 | 1.927 | 2.763 | 14.4 | 20.4 | 6 30 | 21 37.64 | -27 48.0 | 1.936 | 2.785 | 13.8 | 20.9 |
| 7 10 | 21 31.48 | -15 46.9 | 1.849 | 2.763 | 11.3 | 20.2 | 7 10 | 21 33.86 | -29 20.2 | 1.865 | 2.784 | 10.9 | 20.7 |
| 7 20 | 21 25.80 | -16 10.9 | 1.792 | 2.764 | 7.7 | 20.0 | 7 20 | 21 27.63 | -30 55.4 | 1.818 | 2.784 | 8.0 | 20.5 |
| 7 30 | 21 18.51 | -16 40.6 | 1.759 | 2.765 | 3.6 | 19.8 | 7 30 | 21 19.48 | -32 25.2 | 1.796 | 2.783 | 6.0 | 20.4 |
| 8 9 | 21 10.40 | -17 11.8 | 1.753 | 2.766 | 0.7 | 19.6 | 8 9 | 21 10.29 | -33 41.7 | 1.800 | 2.782 | 6.4 | 20.4 |
| 8 19 | 21 2.39 | -17 40.3 | 1.773 | 2.768 | 4.8 | 19.9 | 8 19 | 21 1.13 | -34 38.5 | 1.831 | 2.781 | 8.8 | 20.5 |
| 8 29 | 20 55.42 | -18 2.7 | 1.820 | 2.770 | 8.7 | 20.1 | 8 29 | 20 53.13 | -35 12.5 | 1.886 | 2.780 | 11.7 | 20.7 |
| 9 8 | 20 50.28 | -18 16.8 | 1.890 | 2.772 | 12.2 | 20.3 | 9 8 | 20 47.22 | -35 24.2 | 1.962 | 2.779 | 14.5 | 20.9 |
| 338007 | 2002 EH ₁₁₁ | | 8 7.8 121°40 | 3°3/ 5.3 | 18 | | 99375 | 2001 YV ₄₈ | | 8 7.8 339°74 | 5°1/ 4.9 | 18 | |
| 6 30 | 21 39.67 | -22 41.6 | 1.911 | 2.752 | 14.3 | 20.5 | 6 30 | 21 36.03 | -22 32.2 | 1.142 | 2.022 | 19.3 | 18.9 |
| 7 10 | 21 35.15 | -23 29.7 | 1.844 | 2.761 | 11.1 | 20.3 | 7 10 | 21 33.96 | -23 34.6 | 1.076 | 2.015 | 15.2 | 18.6 |
| 7 20 | 21 28.30 | -24 22.3 | 1.798 | 2.770 | 7.6 | 20.1 | 7 20 | 21 28.44 | -24 46.9 | 1.028 | 2.009 | 10.5 | 18.3 |
| 7 30 | 21 19.69 | -25 13.4 | 1.777 | 2.779 | 4.3 | 20.0 | 7 30 | 21 20.09 | -25 59.9 | 1.000 | 2.004 | 6.2 | 18.1 |
| 8 9 | 21 10.24 | -25 57.1 | 1.784 | 2.787 | 3.7 | 19.9 | 8 9 | 21 10.20 | -27 2.4 | 0.995 | 1.999 | 5.7 | 18.0 |
| 8 19 | 21 0.98 | -26 28.6 | 1.817 | 2.795 | 6.6 | 20.1 | 8 19 | 21 0.42 | -27 45.2 | 1.013 | 1.995 | 9.7 | 18.3 |
| 8 29 | 20 52.96 | -26 45.3 | 1.876 | 2.803 | 10.0 | 20.4 | 8 29 | 20 52.47 | -28 3.5 | 1.051 | 1.992 | 14.5 | 18.5 |
| 9 8 | 20 46.98 | -26 47.0 | 1.958 | 2.811 | 13.1 | 20.6 | 9 8 | 20 47.62 | -27 57.3 | 1.108 | 1.990 | 18.9 | 18.8 |
| 275317 | 2010 TA ₁₇₉ | | 8 7.8 291°26 | 0°1/ 7.7 | 18 | | 69573 | 1998 BQ ₂₆ | | 8 7.8 39°08 | 5°0/ 4.7 | 18 | |
| 6 30 | 21 38.59 | -14 48.9 | 1.432 | 2.279 | 17.9 | 20.9 | 6 30 | 21 36.29 | -21 16.3 | 1.127 | 2.005 | 19.6 | 18.6 |
| 7 10 | 21 35.12 | -15 0.3 | 1.353 | 2.273 | 14.2 | 20.6 | 7 10 | 21 33.86 | -22 39.6 | 1.079 | 2.018 | 15.2 | 18.3 |
| 7 20 | 21 28.77 | -15 24.0 | 1.293 | 2.267 | 9.7 | 20.4 | 7 20 | 21 28.10 | -24 13.0 | 1.050 | 2.032 | 10.4 | 18.1 |
| 7 30 | 21 20.10 | -15 56.6 | 1.256 | 2.262 | 4.7 | 20.1 | 7 30 | 21 19.79 | -25 45.7 | 1.042 | 2.046 | 6.0 | 17.9 |
| 8 9 | 21 10.16 | -16 32.5 | 1.243 | 2.256 | 0.7 | 19.8 | 8 9 | 21 10.29 | -27 6.0 | 1.057 | 2.061 | 5.5 | 17.9 |
| 8 19 | 21 0.27 | -17 5.9 | 1.254 | 2.251 | 6.1 | 20.1 | 8 19 | 21 1.19 | -28 4.8 | 1.095 | 2.077 | 9.4 | 18.2 |
| 8 29 | 20 51.80 | -17 31.7 | 1.291 | 2.245 | 11.1 | 20.4 | 8 29 | 20 54.04 | -28 37.7 | 1.155 | 2.093 | 13.8 | 18.5 |
| 9 8 | 20 45.84 | -17 47.1 | 1.348 | 2.240 | 15.5 | 20.7 | 9 8 | 20 49.85 | -28 45.4 | 1.234 | 2.110 | 17.8 | 18.8 |
| 144577 | 2004 FB ₂₈ | | 8 7.8 19°38 | 2°5/ 9.7 | 18 | | 501643 | 2014 SZ ₂₁₇ | | 8 7.8 272°05 | 3°9/ 10.2 | 17 | |
| 6 30 | 21 33.93 | - 7 11.7 | 1.976 | | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-------|---------|------|---------------|-------------------------------|-----------------|---------------|-------|---------|------|
| 77541 | 2001 <i>HS</i> ₆₄ | 8 7.8 355°75 | 5°7/ 4.6 18 | | | | 509320 | 2006 <i>WM</i> ₉₇ | 8 7.8 294°42 | 0°5/ 8.0 17 | | | |
| 6 30 | 21 38.24 | -27 56.7 | 1.496 | 2.359 | 16.4 | 17.8 | 6 30 | 21 36.81 | -13 23.0 | 1.474 | 2.318 | 17.6 | 22.4 |
| 7 10 | 21 34.87 | -28 36.1 | 1.428 | 2.356 | 13.0 | 17.6 | 7 10 | 21 33.88 | -13 32.3 | 1.380 | 2.297 | 14.1 | 22.1 |
| 7 20 | 21 28.55 | -29 16.0 | 1.381 | 2.353 | 9.4 | 17.4 | 7 20 | 21 28.11 | -13 55.5 | 1.304 | 2.276 | 9.8 | 21.8 |
| 7 30 | 21 19.97 | -29 48.7 | 1.355 | 2.351 | 6.3 | 17.2 | 7 30 | 21 19.94 | -14 30.0 | 1.250 | 2.255 | 4.9 | 21.5 |
| 8 9 | 21 10.26 | -30 7.1 | 1.354 | 2.350 | 6.1 | 17.2 | 8 9 | 21 10.29 | -15 10.9 | 1.220 | 2.234 | 0.7 | 21.1 |
| 8 19 | 21 0.80 | -30 6.5 | 1.378 | 2.350 | 9.0 | 17.4 | 8 19 | 21 0.42 | -15 52.3 | 1.216 | 2.213 | 6.0 | 21.4 |
| 8 29 | 20 52.93 | -29 45.4 | 1.424 | 2.350 | 12.6 | 17.6 | 8 29 | 20 51.74 | -16 28.3 | 1.235 | 2.192 | 11.3 | 21.7 |
| 9 8 | 20 47.65 | -29 6.1 | 1.491 | 2.351 | 16.1 | 17.8 | 9 8 | 20 45.47 | -16 54.6 | 1.276 | 2.172 | 15.9 | 21.9 |
| 505374 | 2013 <i>HU</i> ₇₆ | 8 7.8 7°73 | 6°6/ 5.3 17 | | | | 94116 | 2000 <i>YS</i> ₁₀₁ | 8 7.8 219°01 | 1°0/ 6.7 18 | | | |
| 6 30 | 21 36.31 | -26 59.4 | 0.895 | 1.793 | 21.7 | 20.4 | 6 30 | 21 33.83 | -15 35.6 | 2.574 | 3.395 | 11.6 | 19.9 |
| 7 10 | 21 34.80 | -27 29.1 | 0.846 | 1.793 | 17.2 | 20.1 | 7 10 | 21 30.12 | -16 30.1 | 2.482 | 3.390 | 9.1 | 19.7 |
| 7 20 | 21 29.21 | -27 59.8 | 0.812 | 1.795 | 12.2 | 19.9 | 7 20 | 21 24.72 | -17 33.5 | 2.414 | 3.384 | 6.1 | 19.5 |
| 7 30 | 21 20.45 | -28 21.4 | 0.797 | 1.799 | 7.8 | 19.6 | 7 30 | 21 18.01 | -18 42.2 | 2.373 | 3.378 | 2.9 | 19.3 |
| 8 9 | 21 10.21 | -28 24.3 | 0.801 | 1.804 | 7.1 | 19.6 | 8 9 | 21 10.59 | -19 51.4 | 2.360 | 3.372 | 1.3 | 19.2 |
| 8 19 | 21 0.53 | -28 3.2 | 0.826 | 1.811 | 10.8 | 19.9 | 8 19 | 21 3.13 | -20 56.6 | 2.376 | 3.366 | 4.3 | 19.4 |
| 8 29 | 20 53.30 | -27 18.2 | 0.870 | 1.820 | 15.7 | 20.2 | 8 29 | 20 56.38 | -21 53.7 | 2.421 | 3.359 | 7.5 | 19.6 |
| 9 8 | 20 49.68 | -26 13.7 | 0.931 | 1.830 | 20.1 | 20.5 | 9 8 | 20 50.97 | -22 40.1 | 2.491 | 3.352 | 10.4 | 19.8 |
| 89977 | 2002 <i>TX</i> ₃ | 8 7.8 298°99 | 0°7/ 7.4 18 | | | | 76490 | 2000 <i>GH</i> ₇ | 8 7.8 223°35 | 2°4/ 9.9 18 | | | |
| 6 30 | 21 35.89 | -15 4.9 | 1.449 | 2.299 | 17.5 | 19.9 | 6 30 | 21 34.64 | -6 4.4 | 2.275 | 3.069 | 13.8 | 20.6 |
| 7 10 | 21 33.27 | -15 29.6 | 1.353 | 2.276 | 14.0 | 19.6 | 7 10 | 21 30.92 | -6 23.0 | 2.179 | 3.062 | 11.2 | 20.4 |
| 7 20 | 21 27.76 | -16 8.6 | 1.277 | 2.252 | 9.6 | 19.3 | 7 20 | 21 25.35 | -6 56.1 | 2.105 | 3.055 | 8.1 | 20.2 |
| 7 30 | 21 19.78 | -16 58.1 | 1.222 | 2.229 | 4.6 | 19.0 | 7 30 | 21 18.35 | -7 42.2 | 2.055 | 3.048 | 4.8 | 20.0 |
| 8 9 | 21 10.27 | -17 52.0 | 1.192 | 2.205 | 1.1 | 18.7 | 8 9 | 21 10.55 | -8 38.2 | 2.032 | 3.040 | 2.4 | 19.8 |
| 8 19 | 21 0.50 | -18 43.2 | 1.186 | 2.182 | 6.5 | 19.0 | 8 19 | 21 2.70 | -9 40.0 | 2.037 | 3.032 | 4.3 | 19.9 |
| 8 29 | 20 51.92 | -19 25.0 | 1.205 | 2.159 | 11.8 | 19.2 | 8 29 | 20 55.63 | -10 42.8 | 2.071 | 3.024 | 7.6 | 20.1 |
| 9 8 | 20 45.78 | -19 53.4 | 1.244 | 2.136 | 16.5 | 19.4 | 9 8 | 20 50.05 | -11 42.0 | 2.129 | 3.016 | 10.8 | 20.3 |
| 117162 | 2004 <i>QU</i> ₁₉ | 8 7.8 341°38 | 4°4/ 10.5 18 | | | | 217661 | 1998 <i>SK</i> ₅₄ | 8 7.8 347°77 | 3°9/ 5.7 18 | | | |
| 6 30 | 21 37.33 | -5 0.8 | 2.132 | 2.920 | 14.8 | 19.2 | 6 30 | 21 37.25 | -25 36.0 | 1.650 | 2.507 | 15.4 | 18.8 |
| 7 10 | 21 33.03 | -4 16.1 | 2.044 | 2.918 | 12.2 | 19.0 | 7 10 | 21 33.80 | -25 47.3 | 1.572 | 2.498 | 12.2 | 18.6 |
| 7 20 | 21 26.77 | -3 43.0 | 1.976 | 2.915 | 9.2 | 18.8 | 7 20 | 21 27.70 | -25 59.4 | 1.514 | 2.489 | 8.5 | 18.4 |
| 7 30 | 21 18.99 | -3 22.3 | 1.932 | 2.914 | 6.3 | 18.6 | 7 30 | 21 19.56 | -26 7.1 | 1.480 | 2.481 | 5.0 | 18.1 |
| 8 9 | 21 10.42 | -3 13.5 | 1.914 | 2.912 | 4.4 | 18.5 | 8 9 | 21 10.38 | -26 5.2 | 1.470 | 2.474 | 4.2 | 18.1 |
| 8 19 | 21 1.89 | -3 15.1 | 1.924 | 2.910 | 5.5 | 18.6 | 8 19 | 21 1.36 | -25 50.2 | 1.486 | 2.468 | 7.3 | 18.3 |
| 8 29 | 20 54.26 | -3 24.6 | 1.960 | 2.909 | 8.3 | 18.8 | 8 29 | 20 53.71 | -25 21.0 | 1.526 | 2.463 | 11.1 | 18.5 |
| 9 8 | 20 48.27 | -3 38.6 | 2.021 | 2.908 | 11.3 | 18.9 | 9 8 | 20 48.37 | -24 38.7 | 1.588 | 2.460 | 14.7 | 18.7 |
| 263177 | 2007 <i>XW</i> ₂₅ | 8 7.8 171°04 | 3°1/ 5.4 18 | | | | 54166 | 2000 <i>HV</i> ₅₄ | 8 7.8 9°15 | 2°1/ 9.1 18 | | | |
| 6 30 | 21 40.42 | -20 18.6 | 1.797 | 2.637 | 15.1 | 21.2 | 6 30 | 21 35.95 | -9 37.0 | 1.494 | 2.328 | 18.0 | 18.9 |
| 7 10 | 21 36.01 | -21 23.2 | 1.723 | 2.640 | 11.8 | 21.0 | 7 10 | 21 32.81 | -9 38.5 | 1.419 | 2.328 | 14.4 | 18.7 |
| 7 20 | 21 29.08 | -22 36.1 | 1.670 | 2.643 | 8.0 | 20.8 | 7 20 | 21 27.07 | -9 55.9 | 1.363 | 2.329 | 10.2 | 18.5 |
| 7 30 | 21 20.19 | -23 50.7 | 1.642 | 2.645 | 4.3 | 20.6 | 7 30 | 21 19.28 | -10 27.6 | 1.329 | 2.330 | 5.6 | 18.2 |
| 8 9 | 21 10.25 | -24 59.6 | 1.641 | 2.647 | 3.5 | 20.5 | 8 9 | 21 10.42 | -11 9.1 | 1.319 | 2.331 | 2.1 | 18.0 |
| 8 19 | 21 0.39 | -25 56.2 | 1.667 | 2.648 | 6.8 | 20.7 | 8 19 | 21 1.65 | -11 55.1 | 1.335 | 2.333 | 5.5 | 18.2 |
| 8 29 | 20 51.77 | -26 36.2 | 1.719 | 2.648 | 10.7 | 21.0 | 8 29 | 20 54.19 | -12 39.8 | 1.375 | 2.335 | 10.1 | 18.5 |
| 9 8 | 20 45.31 | -26 58.6 | 1.794 | 2.648 | 14.1 | 21.2 | 9 8 | 20 48.99 | -13 18.2 | 1.437 | 2.337 | 14.2 | 18.7 |
| 167169 | 2003 <i>SH</i> ₂₅₁ | 8 7.8 191°45 | 5°3/ 12.3 18 | | | | 216180 | 2006 <i>TF</i> ₃₁ | 8 7.8 282°66 | 0°7/ 8.3 18 | | | |
| 6 30 | 21 34.96 | + 1 25.6 | 2.218 | 2.977 | 15.1 | 20.2 | 6 30 | 21 35.12 | -12 18.6 | 2.082 | 2.903 | 14.0 | 21.0 |
| 7 10 | 21 31.15 | + 1 35.1 | 2.127 | 2.976 | 12.8 | 20.1 | 7 10 | 21 31.43 | -12 34.5 | 1.997 | 2.901 | 11.1 | 20.8 |
| 7 20 | 21 25.49 | + 1 26.9 | 2.056 | 2.975 | 10.1 | 19.9 | 7 20 | 21 25.75 | -13 1.0 | 1.934 | 2.900 | 7.6 | 20.6 |
| 7 30 | 21 18.39 | + 1 0.5 | 2.007 | 2.973 | 7.3 | 19.7 | 7 30 | 21 18.54 | -13 35.7 | 1.896 | 2.899 | 3.8 | 20.4 |
| 8 9 | 21 10.52 | + 0 17.2 | 1.984 | 2.971 | 5.5 | 19.6 | 8 9 | 21 10.53 | -14 14.8 | 1.884 | 2.897 | 0.7 | 20.1 |
| 8 19 | 21 2.63 | -0 39.7 | 1.989 | 2.969 | 5.9 | 19.6 | 8 19 | 21 2.57 | -14 54.4 | 1.900 | 2.896 | 4.4 | 20.4 |
| 8 29 | 20 55.57 | -1 45.6 | 2.020 | 2.967 | 8.2 | 19.8 | 8 29 | 20 55.53 | -15 30.3 | 1.942 | 2.894 | 8.1 | 20.6 |
| 9 8 | 20 50.02 | -2 54.8 | 2.076 | 2.964 | 11.0 | 19.9 | 9 8 | 20 50.16 | -15 59.6 | 2.009 | 2.893 | 11.5 | 20.8 |
| 68597 | 2002 <i>AX</i> ₄₂ | 8 7.8 50°34 | 0°1/ 7.8 17 | | | | 360898 | 2005 <i>SW</i> ₁₅₂ | 8 7.8 140°33 | 10°4/ 27.9 18 | R | | |
| 6 30 | 21 35.45 | -12 17.0 | 1.500 | 2.342 | 17.5 | 19.3 | 6 30 | 21 50.44 | -52 32.9 | 2.657 | 3.432 | 12.5 | 21.2 |
| 7 10 | 21 32.30 | -12 56.2 | 1.437 | 2.354 | 13.7 | 19.1 | 7 10 | 21 43.83 | -53 51.5 | 2.616 | 3.440 | 11.4 | 21.2 |
| 7 20 | 21 26.61 | -13 50.7 | 1.394 | 2.367 | 9.3 | 18.9 | 7 20 | 21 34.32 | -54 56.1 | 2.596 | 3.447 | 10.6 | 21.1 |
| 7 30 | 21 18.99 | -14 56.0 | 1.375 | 2.380 | 4.5 | 18.7 | 7 30 | 21 22.63 | -55 39.2 | 2.598 | 3.454 | 10.4 | 21.1 |
| 8 9 | 21 10.45 | -16 5.1 | 1.380 | 2.393 | 0.6 | 18.4 | 8 9 | 21 9.98 | -55 55.7 | 2.623 | 3.461 | 10.9 | 21.2 |
| 8 19 | 21 2.12 | -17 11.1 | 1.410 | 2.407 | 5.5 | 18.8 | 8 19 | 20 57.75 | -55 44.1 | 2.670 | 3.468 | 11.8 | 21.2 |
| 8 29 | 20 55.17 | -18 7.8 | 1.466 | 2.421 | 10.0 | 19.1 | 8 29 | 20 47.25 | -55 5.7 | 2.738 | 3.474 | 12.9 | 21.3 |
| 9 8 | 20 50.44 | -18 51.4 | 1.545 | 2.435 | 14.0 | 19.4 | 9 8 | 20 39.41 | -54 5.2 | 2.824 | 3.479 | 14.0 | 21.5 |
| 246090 | 2007 <i>AN</i> ₂₅ | 8 7.8 157°94 | 2°3/ 9.3 18 | | | | 318123 | 2004 <i>LD</i> ₁₀ | 8 7.8 32°86 | 8°2/ 12.9 16 | | | |
| 6 30 | 21 38.60 | -9 52.4 | 2.369 | 3.167 | 13.2 | 20.1 | 6 30 | 21 37.00 | + 1 51.3 | 1.552 | 2.335 | 19.6 | 19.5 |
| 7 10 | 21 33.78 | -9 25.7 | 2.282 | 3.169 | 10.6 | 20.0 | 7 10 | 21 33.22 | + 3 6.9 | 1.498 | 2.356 | 16.7 | 19.3 |
| 7 20 | 21 27.13 | -9 7.3 | 2.216 | 3.170 | 7.6 | 19.8 | 7 20 | 21 27.05 | + 4 1.2 | 1.460 | 2.378 | 13.4 | 19.2 |
| 7 30 | 21 19.13 | -8 56.8 | 2.176 | 3.171 | 4.4 | 19.6 | 7 30 | 21 19.14 | + 4 31.3 | 1.444 | 2.402 | 10.4 | 19.1 |
| 8 9 | 21 10.43 | -8 52.7 | 2.164 | 3.172 | 2.3 | 19.4 | 8 9 | 21 10.48 | + 4 36.8 | 1.450 | 2.426 | 8.4 | 19.0 |
| 8 19 | 21 1.82 | -8 53.2 | 2.180 | 3.173 | 4.2 | 19.6 | 8 19 | 21 2.11 | + 4 20.2 | 1.480 | 2.450 | 8.7 | 19.1 |
| 8 29 | 20 54.08 | -8 56.1 | 2.224 | 3.174 | 7.4 | 19.8 | 8 29 | 20 55.09 | + 3 46.6 | 1.534 | 2.476 | 10.7 | 19.3 |
| 9 8 | 20 47.86 | -8 59.3 | 2.294 | 3.175 | 10.4 | 20.0 | 9 8 | 20 50.18 | + 3 2.9 | 1.610 | 2.502 | 13.4 | 19.5 |
| 349739 | 2008 <i>YJ</i> ₁₁₇ | 8 7.8 312°56 | 2°1/ 6.2 18 | | | | 477525 | 2010 <i>EF</i> ₆₉ | 8 7.8 245°15 | 3°2/ 10.4 1 | | | |

EPHEMERIDES

8 7.8

8 7.8

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|---------------|------------|---------|------|---------------|------------------------|-----------------|---------------|-----------|---------|------|
| 388838 | 2008 EZ ₅ | | 8 7.8 20°53' | 20°9'/18.7 | 17 | | 505461 | 2013 TZ ₈₀ | | 8 7.8 215°32' | 1°0'/6.9 | 18 | |
| 6 30 | 23 52.50 | -78 28.1 | 0.170 | 1.099 | 57.0 | 17.8 | 6 30 | 21 39.92 | -16 34.1 | 2.489 | 3.303 | 12.2 | 23.0 |
| 7 10 | 22 20.93 | -68 49.5 | 0.201 | 1.146 | 46.0 | 18.0 | 7 10 | 21 34.98 | -17 10.9 | 2.390 | 3.292 | 9.6 | 22.8 |
| 7 20 | 21 44.34 | -60 2.0 | 0.238 | 1.200 | 35.8 | 18.1 | 7 20 | 21 28.11 | -17 55.4 | 2.313 | 3.280 | 6.5 | 22.6 |
| 7 30 | 21 23.09 | -52 20.1 | 0.286 | 1.260 | 27.5 | 18.4 | 7 30 | 21 19.72 | -18 44.2 | 2.263 | 3.267 | 3.1 | 22.4 |
| 8 9 | 21 10.35 | -45 41.0 | 0.346 | 1.325 | 22.4 | 18.8 | 8 9 | 21 10.47 | -19 33.0 | 2.242 | 3.254 | 1.2 | 22.2 |
| 8 19 | 21 3.67 | -40 1.8 | 0.419 | 1.393 | 20.9 | 19.3 | 8 19 | 21 1.13 | -20 17.6 | 2.250 | 3.239 | 4.5 | 22.4 |
| 8 29 | 21 1.88 | -35 16.3 | 0.507 | 1.462 | 22.0 | 19.8 | 8 29 | 20 52.58 | -20 54.5 | 2.287 | 3.224 | 8.0 | 22.6 |
| 9 8 | 21 3.99 | -31 16.6 | 0.609 | 1.532 | 24.1 | 20.4 | 9 8 | 20 45.53 | -21 21.6 | 2.349 | 3.207 | 11.0 | 22.8 |
| 387073 | 2012 TY ₈₇ | | 8 7.8 324°33' | 0°8'/7.3 | 18 | | 121434 | 1999 TS ₁₇₈ | | 8 7.8 257°60' | 2°4'/5.7 | 18 | |
| 6 30 | 21 36.83 | -16 21.7 | 1.698 | 2.540 | 15.8 | 21.5 | 6 30 | 21 35.59 | -21 22.4 | 2.423 | 3.257 | 11.9 | 20.2 |
| 7 10 | 21 33.30 | -16 42.0 | 1.618 | 2.536 | 12.4 | 21.3 | 7 10 | 21 31.66 | -22 1.0 | 2.333 | 3.248 | 9.3 | 20.0 |
| 7 20 | 21 27.30 | -17 12.0 | 1.558 | 2.532 | 8.4 | 21.1 | 7 20 | 21 25.87 | -22 44.3 | 2.266 | 3.238 | 6.3 | 19.8 |
| 7 30 | 21 19.38 | -17 47.8 | 1.522 | 2.528 | 4.0 | 20.8 | 7 30 | 21 18.64 | -23 28.3 | 2.225 | 3.228 | 3.4 | 19.6 |
| 8 9 | 21 10.44 | -18 24.4 | 1.512 | 2.525 | 1.2 | 20.6 | 8 9 | 21 10.63 | -24 8.4 | 2.212 | 3.218 | 2.6 | 19.5 |
| 8 19 | 21 1.56 | -18 56.7 | 1.527 | 2.521 | 5.6 | 20.9 | 8 19 | 21 2.62 | -24 40.8 | 2.227 | 3.209 | 5.3 | 19.7 |
| 8 29 | 20 53.88 | -19 20.6 | 1.568 | 2.518 | 9.9 | 21.1 | 8 29 | 20 55.42 | -25 2.7 | 2.269 | 3.198 | 8.4 | 19.9 |
| 9 8 | 20 48.30 | -19 33.8 | 1.632 | 2.515 | 13.7 | 21.4 | 9 8 | 20 49.75 | -25 12.8 | 2.335 | 3.188 | 11.3 | 20.1 |
| 62651 | 2000 SB ₃₆₄ | | 8 7.8 249°07' | 5°2'/3.5 | 18 R | | 302267 | 2001 XZ ₁₄₉ | | 8 7.8 116°17' | 4°6'/11.5 | 18 | |
| 6 30 | 21 38.64 | -29 41.8 | 2.243 | 3.083 | 12.5 | 19.1 | 6 30 | 21 36.21 | -1 43.7 | 2.324 | 3.093 | 14.3 | 20.4 |
| 7 10 | 21 34.30 | -30 36.3 | 2.164 | 3.077 | 10.0 | 19.0 | 7 10 | 21 31.97 | -1 15.4 | 2.241 | 3.100 | 11.9 | 20.2 |
| 7 20 | 21 27.77 | -31 30.7 | 2.108 | 3.070 | 7.4 | 18.8 | 7 20 | 21 25.96 | -1 0.9 | 2.179 | 3.107 | 9.1 | 20.1 |
| 7 30 | 21 19.54 | -32 18.8 | 2.077 | 3.063 | 5.5 | 18.7 | 7 30 | 21 18.64 | -1 0.6 | 2.141 | 3.114 | 6.5 | 19.9 |
| 8 9 | 21 10.44 | -32 54.9 | 2.073 | 3.056 | 5.6 | 18.7 | 8 9 | 21 10.64 | -1 13.7 | 2.129 | 3.120 | 4.7 | 19.8 |
| 8 19 | 21 1.39 | -33 14.9 | 2.095 | 3.049 | 7.7 | 18.8 | 8 19 | 21 2.72 | -1 37.9 | 2.145 | 3.127 | 5.4 | 19.9 |
| 8 29 | 20 53.39 | -33 17.2 | 2.143 | 3.042 | 10.3 | 18.9 | 8 29 | 20 55.64 | -2 9.9 | 2.187 | 3.133 | 7.7 | 20.0 |
| 9 8 | 20 47.24 | -33 2.3 | 2.213 | 3.035 | 12.9 | 19.1 | 9 8 | 20 50.03 | -2 45.7 | 2.255 | 3.140 | 10.4 | 20.2 |
| 376423 | 2012 GS ₃₁ | | 8 7.8 59°44' | 1°5'/8.6 | 17 | | 514562 | 2017 XF ₄₀ | | 8 7.8 161°64' | 4°8'/11.6 | 18 | |
| 6 30 | 21 39.05 | -11 20.3 | 1.379 | 2.218 | 18.9 | 20.8 | 6 30 | 21 38.23 | -0 39.3 | 2.362 | 3.120 | 14.3 | 21.5 |
| 7 10 | 21 35.23 | -11 24.0 | 1.321 | 2.234 | 15.0 | 20.6 | 7 10 | 21 33.54 | -0 16.7 | 2.275 | 3.126 | 12.0 | 21.4 |
| 7 20 | 21 28.63 | -11 42.9 | 1.282 | 2.251 | 10.4 | 20.4 | 7 20 | 21 27.03 | -0 8.6 | 2.209 | 3.131 | 9.3 | 21.2 |
| 7 30 | 21 19.98 | -12 14.0 | 1.265 | 2.267 | 5.3 | 20.1 | 7 30 | 21 19.16 | -0 15.4 | 2.167 | 3.136 | 6.6 | 21.1 |
| 8 9 | 21 10.40 | -12 52.0 | 1.272 | 2.284 | 1.5 | 19.9 | 8 9 | 21 10.59 | -0 36.3 | 2.151 | 3.141 | 4.9 | 21.0 |
| 8 19 | 21 1.16 | -13 31.3 | 1.304 | 2.302 | 5.6 | 20.2 | 8 19 | 21 2.06 | -1 8.7 | 2.164 | 3.145 | 5.5 | 21.0 |
| 8 29 | 20 53.50 | -14 6.6 | 1.360 | 2.319 | 10.3 | 20.6 | 8 29 | 20 54.37 | -1 49.2 | 2.204 | 3.148 | 7.8 | 21.2 |
| 9 8 | 20 48.31 | -14 33.9 | 1.439 | 2.336 | 14.4 | 20.8 | 9 8 | 20 48.17 | -2 33.2 | 2.269 | 3.150 | 10.5 | 21.3 |
| 53517 | 2000 AK ₁₃₇ | | 8 7.8 218°16' | 0°7'/8.5 | 18 | | 145805 | 1998 SC ₄₂ | | 8 7.8 271°70' | 4°2'/5.3 | 18 | |
| 6 30 | 21 35.28 | -9 37.5 | 2.446 | 3.248 | 12.7 | 19.7 | 6 30 | 21 40.75 | -24 6.3 | 1.612 | 2.464 | 16.0 | 20.2 |
| 7 10 | 21 31.34 | -10 25.5 | 2.347 | 3.240 | 10.1 | 19.5 | 7 10 | 21 36.77 | -24 47.8 | 1.531 | 2.453 | 12.7 | 19.9 |
| 7 20 | 21 25.63 | -11 26.7 | 2.271 | 3.231 | 7.0 | 19.2 | 7 20 | 21 29.93 | -25 34.1 | 1.469 | 2.443 | 8.8 | 19.7 |
| 7 30 | 21 18.51 | -12 38.3 | 2.221 | 3.222 | 3.6 | 19.0 | 7 30 | 21 20.78 | -26 18.5 | 1.431 | 2.432 | 5.2 | 19.4 |
| 8 9 | 21 10.59 | -13 56.0 | 2.199 | 3.212 | 0.7 | 18.8 | 8 9 | 21 10.35 | -26 53.6 | 1.419 | 2.421 | 4.6 | 19.4 |
| 8 19 | 21 2.59 | -15 14.7 | 2.207 | 3.202 | 4.0 | 19.0 | 8 19 | 20 59.95 | -27 13.7 | 1.431 | 2.411 | 7.9 | 19.5 |
| 8 29 | 20 55.30 | -16 29.4 | 2.243 | 3.191 | 7.5 | 19.2 | 8 29 | 20 50.94 | -27 15.8 | 1.469 | 2.400 | 12.0 | 19.8 |
| 9 8 | 20 49.41 | -17 35.8 | 2.305 | 3.179 | 10.6 | 19.4 | 9 8 | 20 44.40 | -27 0.1 | 1.527 | 2.389 | 15.7 | 20.0 |
| 184769 | 2005 TZ ₈ | | 8 7.8 52°98' | 1°0'/6.9 | 18 | | 470338 | 2007 RN ₈₁ | | 8 7.8 309°28' | 1°4'/8.7 | 18 | |
| 6 30 | 21 35.22 | -16 50.1 | 2.078 | 2.912 | 13.6 | 20.4 | 6 30 | 21 34.02 | -10 55.4 | 1.647 | 2.481 | 16.5 | 21.1 |
| 7 10 | 21 31.50 | -17 20.2 | 2.003 | 2.917 | 10.6 | 20.2 | 7 10 | 21 31.36 | -11 3.1 | 1.550 | 2.460 | 13.3 | 20.9 |
| 7 20 | 21 25.79 | -17 58.1 | 1.950 | 2.922 | 7.1 | 20.0 | 7 20 | 21 26.21 | -11 25.3 | 1.472 | 2.439 | 9.4 | 20.6 |
| 7 30 | 21 18.57 | -18 40.1 | 1.922 | 2.927 | 3.3 | 19.8 | 7 30 | 21 19.02 | -12 0.3 | 1.416 | 2.419 | 5.0 | 20.3 |
| 8 9 | 21 10.61 | -19 21.7 | 1.920 | 2.933 | 1.3 | 19.6 | 8 9 | 21 10.59 | -12 44.3 | 1.386 | 2.398 | 1.4 | 20.0 |
| 8 19 | 21 2.76 | -19 58.6 | 1.947 | 2.938 | 4.8 | 19.9 | 8 19 | 21 1.98 | -13 32.0 | 1.381 | 2.379 | 5.3 | 20.2 |
| 8 29 | 20 55.90 | -20 27.3 | 2.000 | 2.944 | 8.4 | 20.1 | 8 29 | 20 54.40 | -14 17.8 | 1.401 | 2.359 | 10.0 | 20.4 |
| 9 8 | 20 50.74 | -20 46.0 | 2.077 | 2.950 | 11.6 | 20.3 | 9 8 | 20 48.87 | -14 56.7 | 1.443 | 2.340 | 14.3 | 20.7 |
| 482386 | 2012 AP ₁₃ | | 8 7.8 108°38' | 2°5'/9.6 | 18 | | 196521 | 2003 OE ₉ | | 8 7.8 43°30' | 7°3'/13.7 | 18 | |
| 6 30 | 21 37.56 | -8 36.9 | 2.468 | 3.261 | 12.9 | 21.1 | 6 30 | 21 33.17 | + 4 1.2 | 1.546 | 2.325 | 19.8 | 19.9 |
| 7 10 | 21 32.87 | -8 13.0 | 2.385 | 3.268 | 10.4 | 20.9 | 7 10 | 21 30.43 | + 4 13.6 | 1.480 | 2.337 | 16.9 | 19.7 |
| 7 20 | 21 26.48 | -7 58.1 | 2.324 | 3.275 | 7.5 | 20.7 | 7 20 | 21 25.34 | + 3 59.7 | 1.430 | 2.350 | 13.5 | 19.5 |
| 7 30 | 21 18.84 | -7 51.8 | 2.289 | 3.281 | 4.5 | 20.6 | 7 30 | 21 18.46 | + 3 18.1 | 1.400 | 2.364 | 10.1 | 19.3 |
| 8 9 | 21 10.58 | -7 52.5 | 2.281 | 3.288 | 2.5 | 20.4 | 8 9 | 21 10.69 | + 2 11.2 | 1.393 | 2.378 | 7.6 | 19.2 |
| 8 19 | 21 2.42 | -7 58.5 | 2.302 | 3.294 | 4.1 | 20.6 | 8 19 | 21 3.08 | + 0 44.6 | 1.411 | 2.392 | 7.7 | 19.3 |
| 8 29 | 20 55.10 | -8 7.4 | 2.350 | 3.301 | 7.0 | 20.8 | 8 29 | 20 56.69 | -0 53.3 | 1.453 | 2.407 | 10.1 | 19.5 |
| 9 8 | 20 49.22 | -8 16.7 | 2.425 | 3.307 | 9.9 | 21.0 | 9 8 | 20 52.35 | -2 33.2 | 1.518 | 2.422 | 13.3 | 19.7 |
| 183864 | 2004 CN ₁₅ | | 8 7.8 29°35' | 0°2'/7.9 | 17 | | 260214 | 2004 RN ₂₀₇ | | 8 7.8 306°31' | 7°5'/12.4 | 17 | |
| 6 30 | 21 34.73 | -12 59.0 | 1.186 | 2.048 | 19.9 | 19.5 | 6 30 | 21 35.02 | + 3 2.4 | 2.109 | 2.863 | 16.0 | 20.3 |
| 7 10 | 21 32.35 | -13 22.8 | 1.130 | 2.058 | 15.7 | 19.3 | 7 10 | 21 31.55 | + 4 3.9 | 2.002 | 2.840 | 13.9 | 20.1 |
| 7 20 | 21 26.97 | -14 3.3 | 1.092 | 2.069 | 10.7 | 19.0 | 7 20 | 21 26.03 | + 4 50.5 | 1.913 | 2.817 | 11.5 | 19.9 |
| 7 30 | 21 19.29 | -14 55.9 | 1.075 | 2.081 | 5.1 | 18.8 | 7 30 | 21 18.84 | + 5 19.1 | 1.846 | 2.795 | 9.1 | 19.7 |
| 8 9 | 21 10.52 | -15 53.3 | 1.080 | 2.094 | 0.7 | 18.5 | 8 9 | 21 10.62 | + 5 28.3 | 1.804 | 2.772 | 7.7 | 19.5 |
| 8 19 | 21 2.06 | -16 47.6 | 1.109 | 2.108 | 6.3 | 18.9 | 8 19 | 21 2.21 | + 5 18.1 | 1.786 | 2.750 | 8.0 | 19.5 |
| 8 29 | 20 55.28 | -17 32.4 | 1.161 | 2.122 | 11.4 | 19.3 | 8 29 | 20 54.52 | + 4 51.3 | 1.794 | 2.728 | 10.0 | 19.6 |
| 9 8 | 20 51.17 | -18 3.6 | 1.234 | 2.137 | 15.8 | 19.6 | 9 8 | 20 48.41 | + 4 12.6 | 1.825 | 2.707 | 12.6 | 19.7 |
| 243894 | 2001 BW ₂₃ | | 8 7.8 218°34' | 0°0'/7.6 | 18 | | 513898 | 2013 VK ₂₅ | | 8 7.8 233°19' | 0°6'/8.3 | 18 | |
| 6 30 | 21 38.38 | -14 14.5 | 2.371 | 3.183 | 12.8 | 22.4 | 6 | | | | | | |

EPHEMERIDES

8 7.8

8 7.8

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|---------------|---------|------|---------------|-------------------------------|-----------------|--------------|--------------|---------|------|
| 158506 | 2002 <i>EN</i> ₇₈ | | 8 7.8 352°86 | 0°1/ 7.9 18 | | | 155251 | 2005 <i>WC</i> ₅₉ | | 8 7.8 290°92 | 0°2/ 7.9 18 | | |
| 6 30 | 21 35.33 | -14 43.2 | 1.394 | 2.248 | 17.9 | 19.8 | 6 30 | 21 34.80 | -13 57.4 | 2.201 | 3.025 | 13.3 | 20.7 |
| 7 10 | 21 32.62 | -14 46.6 | 1.320 | 2.243 | 14.2 | 19.6 | 7 10 | 21 31.19 | -14 11.9 | 2.109 | 3.015 | 10.5 | 20.5 |
| 7 20 | 21 27.12 | -15 2.1 | 1.265 | 2.240 | 9.7 | 19.3 | 7 20 | 21 25.64 | -14 35.5 | 2.038 | 3.006 | 7.2 | 20.3 |
| 7 30 | 21 19.42 | -15 26.3 | 1.231 | 2.237 | 4.7 | 19.0 | 7 30 | 21 18.60 | -15 5.6 | 1.992 | 2.996 | 3.5 | 20.0 |
| 8 9 | 21 10.56 | -15 54.4 | 1.222 | 2.235 | 0.6 | 18.7 | 8 9 | 21 10.75 | -15 38.9 | 1.973 | 2.987 | 0.4 | 19.7 |
| 8 19 | 21 1.81 | -16 21.0 | 1.236 | 2.234 | 5.9 | 19.1 | 8 19 | 21 2.87 | -16 11.4 | 1.982 | 2.977 | 4.3 | 20.0 |
| 8 29 | 20 54.46 | -16 41.5 | 1.275 | 2.234 | 10.8 | 19.4 | 8 29 | 20 55.85 | -16 39.8 | 2.018 | 2.968 | 8.0 | 20.3 |
| 9 8 | 20 49.55 | -16 52.8 | 1.335 | 2.234 | 15.1 | 19.6 | 9 8 | 20 50.39 | -17 1.4 | 2.078 | 2.959 | 11.3 | 20.4 |
| 8054 | Brentano | | 8 7.8 296°62 | 2°5/ 6.4 18 R | | | 322070 | 2010 <i>VB</i> ₁₀₇ | | 8 7.8 358°28 | 4°1/ 11.1 18 | | |
| 6 30 | 21 37.85 | -18 42.2 | 1.325 | 2.186 | 18.3 | 17.6 | 6 30 | 21 33.81 | -3 9.7 | 2.217 | 3.002 | 14.4 | 20.4 |
| 7 10 | 21 35.06 | -19 17.9 | 1.243 | 2.172 | 14.4 | 17.3 | 7 10 | 21 30.28 | -2 51.7 | 2.130 | 3.001 | 11.9 | 20.3 |
| 7 20 | 21 29.12 | -20 5.4 | 1.179 | 2.157 | 9.9 | 17.0 | 7 20 | 21 24.95 | -2 47.9 | 2.063 | 3.001 | 9.1 | 20.1 |
| 7 30 | 21 20.55 | -20 59.0 | 1.137 | 2.143 | 4.9 | 16.6 | 7 30 | 21 18.24 | -2 58.2 | 2.020 | 3.000 | 6.1 | 19.9 |
| 8 9 | 21 10.42 | -21 50.5 | 1.118 | 2.129 | 2.9 | 16.5 | 8 9 | 21 10.80 | -3 21.4 | 2.003 | 3.000 | 4.2 | 19.8 |
| 8 19 | 21 0.19 | -22 32.1 | 1.124 | 2.115 | 7.6 | 16.7 | 8 19 | 21 3.39 | -3 54.7 | 2.012 | 3.000 | 5.1 | 19.8 |
| 8 29 | 20 51.44 | -22 58.2 | 1.152 | 2.101 | 12.7 | 17.0 | 8 29 | 20 56.80 | -4 34.3 | 2.048 | 3.001 | 7.8 | 20.0 |
| 9 8 | 20 45.44 | -23 6.6 | 1.201 | 2.088 | 17.4 | 17.2 | 9 8 | 20 51.70 | -5 15.9 | 2.110 | 3.001 | 10.7 | 20.2 |
| 224127 | 2005 <i>QX</i> ₁₇ | | 8 7.8 281°88 | 0°3/ 8.0 18 | | | 433418 | 2013 <i>TW</i> ₅₄ | | 8 7.8 295°63 | 1°1/ 7.3 17 | | |
| 6 30 | 21 37.10 | -13 10.7 | 1.658 | 2.493 | 16.4 | 20.9 | 6 30 | 21 39.45 | -17 37.5 | 1.494 | 2.342 | 17.2 | 21.3 |
| 7 10 | 21 33.82 | -13 28.6 | 1.560 | 2.473 | 13.1 | 20.6 | 7 10 | 21 35.88 | -17 45.0 | 1.408 | 2.329 | 13.6 | 21.1 |
| 7 20 | 21 27.93 | -13 59.9 | 1.483 | 2.453 | 9.1 | 20.3 | 7 20 | 21 29.43 | -18 1.5 | 1.341 | 2.316 | 9.3 | 20.8 |
| 7 30 | 21 19.88 | -14 42.0 | 1.428 | 2.433 | 4.5 | 20.0 | 7 30 | 21 20.62 | -18 22.9 | 1.297 | 2.303 | 4.5 | 20.5 |
| 8 9 | 21 10.52 | -15 29.8 | 1.399 | 2.412 | 0.6 | 19.7 | 8 9 | 21 10.47 | -18 44.1 | 1.277 | 2.290 | 1.4 | 20.2 |
| 8 19 | 21 0.96 | -16 17.7 | 1.396 | 2.392 | 5.6 | 20.0 | 8 19 | 21 0.28 | -19 0.0 | 1.283 | 2.278 | 6.3 | 20.5 |
| 8 29 | 20 52.46 | -17 0.0 | 1.418 | 2.372 | 10.4 | 20.2 | 8 29 | 20 51.45 | -19 6.8 | 1.314 | 2.266 | 11.2 | 20.8 |
| 9 8 | 20 46.10 | -17 32.7 | 1.462 | 2.351 | 14.7 | 20.4 | 9 8 | 20 45.10 | -19 2.7 | 1.365 | 2.254 | 15.6 | 21.0 |
| 273602 | 2007 <i>CO</i> ₆₂ | | 8 7.8 204°44 | 0°8/ 8.4 18 | | | 399198 | 2014 <i>GC</i> ₁₇ | | 8 7.8 35°10 | 5°6/ 4.6 15 | | |
| 6 30 | 21 39.22 | -12 2.8 | 1.996 | 2.811 | 14.7 | 21.9 | 6 30 | 21 40.59 | -29 30.7 | 1.697 | 2.549 | 15.3 | 20.5 |
| 7 10 | 21 34.81 | -12 17.1 | 1.907 | 2.807 | 11.7 | 21.7 | 7 10 | 21 36.18 | -30 6.2 | 1.645 | 2.565 | 12.1 | 20.4 |
| 7 20 | 21 28.19 | -12 42.6 | 1.838 | 2.802 | 8.1 | 21.4 | 7 20 | 21 29.14 | -30 39.6 | 1.613 | 2.580 | 8.8 | 20.2 |
| 7 30 | 21 19.84 | -13 17.1 | 1.795 | 2.797 | 4.1 | 21.2 | 7 30 | 21 20.23 | -31 4.0 | 1.605 | 2.597 | 6.1 | 20.1 |
| 8 9 | 21 10.55 | -13 56.4 | 1.779 | 2.792 | 0.9 | 20.9 | 8 9 | 21 10.56 | -31 13.8 | 1.622 | 2.614 | 5.9 | 20.1 |
| 8 19 | 21 1.25 | -14 36.4 | 1.790 | 2.786 | 4.6 | 21.2 | 8 19 | 21 1.32 | -31 6.0 | 1.665 | 2.631 | 8.3 | 20.3 |
| 8 29 | 20 52.95 | -15 12.7 | 1.828 | 2.779 | 8.7 | 21.4 | 8 29 | 20 53.64 | -30 40.4 | 1.732 | 2.649 | 11.3 | 20.5 |
| 9 8 | 20 46.47 | -15 42.2 | 1.891 | 2.772 | 12.3 | 21.6 | 9 8 | 20 48.32 | -29 59.3 | 1.821 | 2.668 | 14.2 | 20.7 |
| 157736 | 2006 <i>BB</i> ₁₅₅ | | 8 7.8 289°48 | 0°4/ 8.2 18 | | | 122673 | 2000 <i>RZ</i> ₁₀₂ | | 8 7.8 242°00 | 7°3/ 13.2 18 | | |
| 6 30 | 21 32.41 | -11 20.6 | 2.323 | 3.140 | 12.9 | 20.2 | 6 30 | 21 36.13 | + 4 27.7 | 2.041 | 2.787 | 16.7 | 20.2 |
| 7 10 | 21 29.29 | -12 0.9 | 2.222 | 3.124 | 10.2 | 20.0 | 7 10 | 21 32.41 | + 5 1.9 | 1.943 | 2.777 | 14.4 | 20.0 |
| 7 20 | 21 24.36 | -12 53.5 | 2.142 | 3.108 | 7.0 | 19.7 | 7 20 | 21 26.61 | + 5 17.1 | 1.863 | 2.766 | 11.8 | 19.8 |
| 7 30 | 21 17.99 | -13 55.9 | 2.089 | 3.092 | 3.5 | 19.5 | 7 30 | 21 19.14 | + 5 10.7 | 1.805 | 2.755 | 9.2 | 19.6 |
| 8 9 | 21 10.80 | -15 3.7 | 2.062 | 3.076 | 0.5 | 19.2 | 8 9 | 21 10.70 | + 4 42.5 | 1.771 | 2.743 | 7.5 | 19.5 |
| 8 19 | 21 3.51 | -16 12.2 | 2.064 | 3.060 | 4.1 | 19.5 | 8 19 | 21 2.14 | + 3 54.6 | 1.763 | 2.731 | 7.6 | 19.5 |
| 8 29 | 20 56.92 | -17 16.3 | 2.094 | 3.044 | 7.8 | 19.7 | 8 29 | 20 54.41 | + 2 51.4 | 1.780 | 2.719 | 9.7 | 19.6 |
| 9 8 | 20 51.76 | -18 12.3 | 2.149 | 3.028 | 11.1 | 19.9 | 9 8 | 20 48.34 | + 1 39.5 | 1.821 | 2.707 | 12.4 | 19.7 |
| 479064 | 2013 <i>AQ</i> ₇₈ | | 8 7.8 284°05 | 5°8/ 10.8 16 | | | 246518 | 2008 <i>DK</i> ₄₀ | | 8 7.8 123°53 | 3°8/ 11.5 18 | | |
| 6 30 | 21 38.94 | -2 34.2 | 2.009 | 2.787 | 15.9 | 21.6 | 6 30 | 21 33.71 | -1 36.4 | 2.422 | 3.193 | 13.7 | 21.2 |
| 7 10 | 21 34.76 | -1 40.4 | 1.899 | 2.763 | 13.4 | 21.4 | 7 10 | 21 30.01 | -1 40.8 | 2.339 | 3.200 | 11.3 | 21.1 |
| 7 20 | 21 28.31 | -0 59.0 | 1.808 | 2.739 | 10.5 | 21.1 | 7 20 | 21 24.66 | -2 0.3 | 2.275 | 3.207 | 8.6 | 20.9 |
| 7 30 | 21 19.99 | -0 31.9 | 1.741 | 2.714 | 7.6 | 20.9 | 7 30 | 21 18.07 | -2 34.4 | 2.236 | 3.214 | 5.8 | 20.7 |
| 8 9 | 21 10.52 | -0 19.9 | 1.699 | 2.690 | 5.8 | 20.8 | 8 9 | 21 10.86 | -3 20.9 | 2.224 | 3.221 | 3.9 | 20.6 |
| 8 19 | 21 0.80 | -0 22.4 | 1.684 | 2.665 | 6.8 | 20.8 | 8 19 | 21 3.70 | -4 16.4 | 2.239 | 3.227 | 4.7 | 20.7 |
| 8 29 | 20 51.88 | -0 36.8 | 1.695 | 2.640 | 9.7 | 20.9 | 8 29 | 20 57.31 | -5 16.6 | 2.282 | 3.234 | 7.1 | 20.9 |
| 9 8 | 20 44.70 | -0 59.0 | 1.730 | 2.615 | 13.0 | 21.0 | 9 8 | 20 52.28 | -6 16.9 | 2.351 | 3.240 | 9.9 | 21.1 |
| 389935 | 2012 <i>TX</i> ₁₃₃ | | 8 7.8 223°05 | 4°9/ 12.0 18 | | | 488845 | 2005 <i>QE</i> ₁₈₈ | | 8 7.8 349°69 | 6°1/ 4.1 15 | | |
| 6 30 | 21 34.40 | + 0 27.7 | 2.006 | 2.779 | 16.1 | 21.3 | 6 30 | 21 39.70 | -30 36.3 | 1.745 | 2.597 | 14.9 | 21.1 |
| 7 10 | 21 31.02 | + 0 20.0 | 1.914 | 2.775 | 13.5 | 21.1 | 7 10 | 21 35.72 | -31 14.8 | 1.674 | 2.593 | 12.0 | 20.9 |
| 7 20 | 21 25.61 | -0 7.9 | 1.842 | 2.771 | 10.5 | 20.9 | 7 20 | 21 29.04 | -31 51.2 | 1.623 | 2.589 | 8.9 | 20.7 |
| 7 30 | 21 18.60 | -0 56.0 | 1.791 | 2.766 | 7.3 | 20.7 | 7 30 | 21 20.31 | -32 18.6 | 1.597 | 2.585 | 6.5 | 20.6 |
| 8 9 | 21 10.72 | -2 2.0 | 1.767 | 2.761 | 5.1 | 20.6 | 8 9 | 21 10.56 | -32 30.5 | 1.595 | 2.582 | 6.5 | 20.6 |
| 8 19 | 21 2.79 | -3 21.4 | 1.769 | 2.756 | 5.7 | 20.6 | 8 19 | 21 1.03 | -32 23.2 | 1.618 | 2.580 | 8.8 | 20.7 |
| 8 29 | 20 55.73 | -4 48.0 | 1.798 | 2.751 | 8.6 | 20.8 | 8 29 | 20 52.94 | -31 55.9 | 1.665 | 2.578 | 12.0 | 20.9 |
| 9 8 | 20 50.33 | -6 14.8 | 1.852 | 2.746 | 11.8 | 20.9 | 9 8 | 20 47.21 | -31 10.9 | 1.734 | 2.577 | 15.0 | 21.1 |
| 94146 | 2001 <i>AK</i> ₁ | | 8 7.8 306°54 | 2°3/ 5.7 18 | | | 87984 | 2000 <i>TP</i> ₅₇ | | 8 7.8 347°39 | 3°2/ 5.6 18 | | |
| 6 30 | 21 32.94 | -18 16.7 | 2.077 | 2.918 | 13.3 | 19.7 | 6 30 | 21 24.63 | -16 32.1 | 1.050 | 1.943 | 19.6 | 18.2 |
| 7 10 | 21 29.99 | -19 20.8 | 1.985 | 2.904 | 10.4 | 19.5 | 7 10 | 21 25.15 | -17 44.5 | 0.980 | 1.927 | 15.4 | 17.9 |
| 7 20 | 21 24.99 | -20 34.9 | 1.917 | 2.891 | 7.0 | 19.2 | 7 20 | 21 22.61 | -19 17.6 | 0.926 | 1.914 | 10.4 | 17.6 |
| 7 30 | 21 18.34 | -21 54.0 | 1.873 | 2.878 | 3.6 | 19.0 | 7 30 | 21 17.51 | -21 3.5 | 0.893 | 1.902 | 5.2 | 17.3 |
| 8 9 | 21 10.75 | -23 11.6 | 1.857 | 2.865 | 2.6 | 18.9 | 8 9 | 21 10.92 | -22 50.3 | 0.881 | 1.892 | 3.8 | 17.2 |
| 8 19 | 21 3.07 | -24 21.7 | 1.868 | 2.853 | 5.8 | 19.1 | 8 19 | 21 4.27 | -24 25.0 | 0.891 | 1.884 | 8.8 | 17.4 |
| 8 29 | 20 56.26 | -25 19.1 | 1.906 | 2.841 | 9.4 | 19.3 | 8 29 | 20 59.19 | -25 37.2 | 0.922 | 1.878 | 14.2 | 17.7 |
| 9 8 | 20 51.11 | -26 1.2 | 1.967 | 2.828 | 12.7 | 19.5 | 9 8 | 20 56.93 | -26 21.8 | 0.970 | 1.874 | 19.0 | 18.0 |
| 521756 | 2015 <i>RE</i> ₂₇₅ | | 8 7.8 44°87 | 3°7/ 10.9 18 | | | 478650 | 2012 <i>TL</i> ₂₃₀ | | 8 7.8 299°01 | 5°0/ 4.5 18 | | |

EPHEMERIDES

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|---------------|-----------|---------|------|---------------|-------------------------------|-----------------|---------------|-----------|---------|------|
| 425911 | 2011 <i>FG</i> ₁₃₂ | | 8 7.8 100°38' | 4.3/ 4.4 | 17 | | 40743 | 1999 <i>TL</i> | | 8 7.8 220°48' | 0.6/ 7.2 | 18 | |
| 6 30 | 21 39.93 | -22 52.9 | 1.821 | 2.665 | 14.8 | 21.0 | 6 30 | 21 35.21 | -16 15.8 | 2.631 | 3.450 | 11.5 | 19.8 |
| 7 10 | 21 35.55 | -24 18.7 | 1.765 | 2.684 | 11.5 | 20.8 | 7 10 | 21 31.18 | -16 42.9 | 2.539 | 3.444 | 9.0 | 19.6 |
| 7 20 | 21 28.73 | -25 50.0 | 1.730 | 2.702 | 7.9 | 20.6 | 7 20 | 21 25.48 | -17 16.7 | 2.470 | 3.438 | 6.1 | 19.4 |
| 7 30 | 21 20.10 | -27 18.8 | 1.722 | 2.720 | 4.9 | 20.5 | 7 30 | 21 18.51 | -17 54.4 | 2.427 | 3.431 | 2.9 | 19.2 |
| 8 9 | 21 10.60 | -28 37.0 | 1.740 | 2.738 | 4.7 | 20.5 | 8 9 | 21 10.86 | -18 32.6 | 2.412 | 3.425 | 0.9 | 19.0 |
| 8 19 | 21 1.32 | -29 38.6 | 1.785 | 2.755 | 7.5 | 20.7 | 8 19 | 21 3.21 | -19 7.8 | 2.426 | 3.417 | 4.0 | 19.3 |
| 8 29 | 20 53.34 | -30 20.2 | 1.856 | 2.772 | 10.8 | 20.9 | 8 29 | 20 56.27 | -19 37.1 | 2.468 | 3.410 | 7.2 | 19.5 |
| 9 8 | 20 47.49 | -30 41.7 | 1.949 | 2.788 | 13.7 | 21.2 | 9 8 | 20 50.67 | -19 58.6 | 2.535 | 3.402 | 10.0 | 19.6 |
| 23320 | 2001 <i>BP</i> ₁₅ | | 8 7.8 295°10' | 0.4/ 7.6 | 18 | | 150581 | 2000 <i>UE</i> ₆₈ | | 8 7.8 193°03' | 2°1/ 6.3 | 18 | |
| 6 30 | 21 37.19 | -14 53.5 | 1.410 | 2.260 | 18.0 | 18.9 | 6 30 | 21 38.92 | -21 45.9 | 2.352 | 3.182 | 12.3 | 19.9 |
| 7 10 | 21 34.49 | -15 12.4 | 1.312 | 2.234 | 14.4 | 18.5 | 7 10 | 21 34.23 | -22 3.3 | 2.270 | 3.181 | 9.6 | 19.7 |
| 7 20 | 21 28.79 | -15 45.5 | 1.233 | 2.208 | 10.0 | 18.2 | 7 20 | 21 27.60 | -22 23.9 | 2.210 | 3.180 | 6.5 | 19.5 |
| 7 30 | 21 20.48 | -16 29.6 | 1.176 | 2.182 | 4.8 | 17.9 | 7 30 | 21 19.53 | -22 43.9 | 2.176 | 3.179 | 3.4 | 19.3 |
| 8 9 | 21 10.51 | -17 18.6 | 1.143 | 2.156 | 0.9 | 17.5 | 8 9 | 21 10.73 | -22 59.6 | 2.170 | 3.178 | 2.3 | 19.3 |
| 8 19 | 21 0.20 | -18 5.6 | 1.134 | 2.130 | 6.6 | 17.8 | 8 19 | 21 2.03 | -23 8.1 | 2.192 | 3.177 | 5.1 | 19.4 |
| 8 29 | 20 51.08 | -18 44.0 | 1.149 | 2.105 | 12.1 | 18.0 | 8 29 | 20 54.28 | -23 7.4 | 2.241 | 3.175 | 8.2 | 19.6 |
| 9 8 | 20 44.50 | -19 9.5 | 1.185 | 2.079 | 17.0 | 18.3 | 9 8 | 20 48.17 | -22 57.1 | 2.315 | 3.174 | 11.2 | 19.8 |
| 208197 | 2000 <i>RR</i> ₈ | | 8 7.8 293°32' | 8°6/ 6.5 | 17 | | 361527 | 2007 <i>GL</i> ₃₀ | | 8 7.8 146°99' | 8°6/ 19.0 | 18 | |
| 6 30 | 21 59.46 | -33 42.8 | 0.971 | 1.834 | 23.2 | 20.5 | 6 30 | 21 33.06 | +18 0.7 | 2.974 | 3.597 | 14.1 | 21.5 |
| 7 10 | 21 53.81 | -33 36.9 | 0.898 | 1.821 | 19.2 | 20.1 | 7 10 | 21 29.29 | +18 31.6 | 2.887 | 3.604 | 12.8 | 21.4 |
| 7 20 | 21 42.83 | -33 19.8 | 0.842 | 1.809 | 14.5 | 19.8 | 7 20 | 21 24.08 | +18 43.1 | 2.816 | 3.610 | 11.4 | 21.3 |
| 7 30 | 21 27.39 | -32 38.3 | 0.804 | 1.797 | 10.1 | 19.5 | 7 30 | 21 17.80 | +18 33.1 | 2.765 | 3.617 | 10.0 | 21.2 |
| 8 9 | 21 9.63 | -31 21.6 | 0.787 | 1.785 | 8.8 | 19.4 | 8 9 | 21 10.96 | +18 1.0 | 2.737 | 3.623 | 9.0 | 21.2 |
| 8 19 | 20 52.41 | -29 27.9 | 0.794 | 1.773 | 12.3 | 19.6 | 8 19 | 21 4.14 | +17 7.8 | 2.732 | 3.628 | 8.6 | 21.2 |
| 8 29 | 20 38.50 | -27 5.7 | 0.821 | 1.762 | 17.6 | 19.8 | 8 29 | 20 57.95 | +15 56.8 | 2.753 | 3.634 | 9.0 | 21.2 |
| 9 8 | 20 29.50 | -24 28.7 | 0.868 | 1.751 | 22.7 | 20.1 | 9 8 | 20 52.92 | +14 32.9 | 2.799 | 3.639 | 10.0 | 21.3 |
| 230123 | 2001 <i>KR</i> ₃ | | 8 7.8 7°03' | 6°6/ 11.6 | 17 | | 445025 | 2008 <i>MS</i> ₁ | | 8 7.8 81°85' | 0°9/ 8.5 | 16 | |
| 6 30 | 21 30.13 | - 2 59.4 | 1.076 | 1.922 | 22.6 | 19.3 | 6 30 | 21 52.56 | -11 2.8 | 2.495 | 3.262 | 13.4 | 22.8 |
| 7 10 | 21 29.08 | - 2 18.8 | 1.014 | 1.923 | 18.8 | 19.0 | 7 10 | 21 43.98 | -11 25.7 | 2.448 | 3.321 | 10.5 | 22.7 |
| 7 20 | 21 25.00 | - 2 3.6 | 0.968 | 1.925 | 14.4 | 18.8 | 7 20 | 21 33.66 | -11 57.0 | 2.426 | 3.377 | 7.2 | 22.6 |
| 7 30 | 21 18.53 | - 2 15.9 | 0.940 | 1.928 | 9.9 | 18.5 | 7 30 | 21 22.20 | -12 33.5 | 2.433 | 3.432 | 3.6 | 22.5 |
| 8 9 | 21 10.81 | - 2 53.7 | 0.932 | 1.933 | 6.8 | 18.4 | 8 9 | 21 10.42 | -13 11.6 | 2.472 | 3.485 | 0.9 | 22.3 |
| 8 19 | 21 3.24 | - 3 51.2 | 0.945 | 1.940 | 7.9 | 18.5 | 8 19 | 20 59.15 | -13 48.0 | 2.543 | 3.535 | 3.8 | 22.6 |
| 8 29 | 20 57.26 | - 4 59.3 | 0.980 | 1.948 | 11.9 | 18.7 | 8 29 | 20 49.15 | -14 19.9 | 2.645 | 3.584 | 6.9 | 22.9 |
| 9 8 | 20 53.96 | - 6 8.3 | 1.034 | 1.957 | 16.3 | 19.0 | 9 8 | 20 40.97 | -14 45.7 | 2.775 | 3.632 | 9.6 | 23.1 |
| 418628 | 2008 <i>TW</i> ₃₄ | | 8 7.8 285°01' | 1°7/ 6.4 | 18 | | 288416 | 2004 <i>DG</i> ₅₄ | | 8 7.8 295°28' | 0°4/ 7.6 | 18 | |
| 6 30 | 21 34.98 | -20 22.5 | 2.588 | 3.417 | 11.3 | 21.1 | 6 30 | 21 34.69 | -14 8.7 | 1.915 | 2.747 | 14.6 | 20.8 |
| 7 10 | 21 31.04 | -20 45.8 | 2.500 | 3.411 | 8.8 | 21.0 | 7 10 | 21 31.46 | -14 42.9 | 1.827 | 2.739 | 11.5 | 20.6 |
| 7 20 | 21 25.38 | -21 13.1 | 2.434 | 3.406 | 6.0 | 20.8 | 7 20 | 21 26.05 | -15 28.8 | 1.760 | 2.731 | 7.8 | 20.4 |
| 7 30 | 21 18.45 | -21 41.4 | 2.395 | 3.400 | 3.0 | 20.6 | 7 30 | 21 18.91 | -16 22.8 | 1.717 | 2.722 | 3.7 | 20.1 |
| 8 9 | 21 10.85 | -22 7.0 | 2.384 | 3.394 | 1.9 | 20.5 | 8 9 | 21 10.83 | -17 19.9 | 1.701 | 2.714 | 0.7 | 19.8 |
| 8 19 | 21 3.28 | -22 26.9 | 2.402 | 3.388 | 4.6 | 20.6 | 8 19 | 21 2.70 | -18 14.7 | 1.711 | 2.706 | 5.0 | 20.1 |
| 8 29 | 20 56.49 | -22 38.8 | 2.446 | 3.382 | 7.6 | 20.8 | 8 29 | 20 55.55 | -19 2.0 | 1.748 | 2.698 | 9.1 | 20.4 |
| 9 8 | 20 51.09 | -22 41.7 | 2.516 | 3.376 | 10.3 | 21.0 | 9 8 | 20 50.19 | -19 38.7 | 1.809 | 2.690 | 12.7 | 20.6 |
| 302844 | 2003 <i>FV</i> ₉₂ | | 8 7.8 87°24' | 6°2/ 2.8 | 18 | | 494257 | 2016 <i>QN</i> ₃₅ | | 8 7.8 288°21' | 1°1/ 8.5 | 18 | |
| 6 30 | 21 39.94 | -32 30.8 | 2.186 | 3.026 | 12.8 | 20.2 | 6 30 | 21 36.04 | -11 22.2 | 1.766 | 2.593 | 15.9 | 21.8 |
| 7 10 | 21 35.31 | -33 34.1 | 2.129 | 3.037 | 10.3 | 20.0 | 7 10 | 21 32.86 | -11 36.6 | 1.663 | 2.570 | 12.8 | 21.5 |
| 7 20 | 21 28.44 | -34 34.4 | 2.093 | 3.049 | 7.9 | 19.9 | 7 20 | 21 27.25 | -12 5.0 | 1.581 | 2.547 | 9.0 | 21.2 |
| 7 30 | 21 19.93 | -35 25.0 | 2.083 | 3.060 | 6.3 | 19.8 | 7 30 | 21 19.61 | -12 45.3 | 1.521 | 2.524 | 4.6 | 20.9 |
| 8 9 | 21 10.66 | -36 0.3 | 2.100 | 3.071 | 6.5 | 19.8 | 8 9 | 21 10.73 | -13 33.6 | 1.487 | 2.501 | 1.1 | 20.6 |
| 8 19 | 21 1.61 | -36 16.9 | 2.142 | 3.083 | 8.4 | 20.0 | 8 19 | 21 1.62 | -14 24.5 | 1.480 | 2.477 | 5.2 | 20.9 |
| 8 29 | 20 53.78 | -36 13.7 | 2.210 | 3.094 | 10.7 | 20.1 | 8 29 | 20 53.46 | -15 12.6 | 1.498 | 2.454 | 9.8 | 21.1 |
| 9 8 | 20 47.92 | -35 52.7 | 2.299 | 3.105 | 13.0 | 20.3 | 9 8 | 20 47.25 | -15 53.1 | 1.540 | 2.430 | 14.0 | 21.3 |
| 278983 | 2008 <i>UM</i> ₁₉₀ | | 8 7.8 18°48' | 14°8/ 2.9 | 17 | | 153185 | 2000 <i>UJ</i> ₇₃ | | 8 7.9 72°07' | 7°1/ 13.2 | 17 | |
| 6 30 | 22 5.04 | -52 1.6 | 1.510 | 2.310 | 19.4 | 19.4 | 6 30 | 21 36.29 | + 2 56.4 | 1.714 | 2.483 | 18.5 | 19.1 |
| 7 10 | 21 56.83 | -52 51.3 | 1.463 | 2.313 | 17.4 | 19.3 | 7 10 | 21 32.67 | + 3 25.9 | 1.645 | 2.497 | 15.7 | 18.9 |
| 7 20 | 21 43.75 | -53 18.9 | 1.433 | 2.317 | 15.8 | 19.2 | 7 20 | 21 26.80 | + 3 33.1 | 1.593 | 2.510 | 12.6 | 18.8 |
| 7 30 | 21 27.25 | -53 10.8 | 1.422 | 2.322 | 14.9 | 19.1 | 7 30 | 21 19.23 | + 3 16.6 | 1.563 | 2.524 | 9.4 | 18.6 |
| 8 9 | 21 9.74 | -52 18.9 | 1.432 | 2.327 | 15.0 | 19.1 | 8 9 | 21 10.83 | + 2 37.7 | 1.556 | 2.538 | 7.3 | 18.5 |
| 8 19 | 20 53.80 | -50 43.0 | 1.464 | 2.333 | 16.1 | 19.2 | 8 19 | 21 2.57 | + 1 40.2 | 1.574 | 2.552 | 7.5 | 18.6 |
| 8 29 | 20 41.43 | -48 30.7 | 1.516 | 2.339 | 17.9 | 19.4 | 8 29 | 20 55.46 | + 0 30.4 | 1.617 | 2.565 | 9.8 | 18.7 |
| 9 8 | 20 33.57 | -45 53.8 | 1.588 | 2.346 | 19.8 | 19.5 | 9 8 | 20 50.30 | - 0 44.3 | 1.684 | 2.579 | 12.7 | 18.9 |
| 178493 | 1999 <i>TB</i> ₁₀₈ | | 8 7.8 304°61' | 2°2/ 8.8 | 18 | | 514938 | 2008 <i>VH</i> ₂₉ | | 8 7.9 279°37' | 1°1/ 7.2 | 18 | |
| 6 30 | 21 38.79 | -11 54.7 | 1.382 | 2.223 | 18.8 | 20.1 | 6 30 | 21 38.42 | -17 16.8 | 1.835 | 2.671 | 15.0 | 22.0 |
| 7 10 | 21 35.55 | -11 30.4 | 1.296 | 2.209 | 15.1 | 19.8 | 7 10 | 21 34.61 | -17 34.9 | 1.738 | 2.653 | 11.9 | 21.7 |
| 7 20 | 21 29.34 | -11 18.5 | 1.227 | 2.196 | 10.8 | 19.5 | 7 20 | 21 28.36 | -18 1.7 | 1.662 | 2.634 | 8.1 | 21.5 |
| 7 30 | 21 20.66 | -11 18.0 | 1.180 | 2.182 | 5.8 | 19.2 | 7 30 | 21 20.11 | -18 33.4 | 1.610 | 2.616 | 3.9 | 21.2 |
| 8 9 | 21 10.55 | -11 26.2 | 1.157 | 2.169 | 2.2 | 18.9 | 8 9 | 21 10.70 | -19 5.3 | 1.585 | 2.598 | 1.4 | 21.0 |
| 8 19 | 21 0.34 | -11 39.1 | 1.158 | 2.156 | 6.1 | 19.2 | 8 19 | 21 1.17 | -19 32.6 | 1.586 | 2.579 | 5.6 | 21.2 |
| 8 29 | 20 51.50 | -11 52.5 | 1.184 | 2.144 | 11.2 | 19.4 | 8 29 | 20 52.68 | -19 51.5 | 1.613 | 2.560 | 9.9 | 21.4 |
| 9 8 | 20 45.21 | -12 2.4 | 1.230 | 2.132 | 15.9 | 19.7 | 9 8 | 20 46.19 | -19 59.7 | 1.664 | 2.542 | 13.8 | 21.6 |
| 93126 | 2000 <i>SY</i> ₆₂ | | 8 7.8 245°55' | 0°9/ 8.4 | 18 | | 163903 | 2003 <i>SK</i> ₂₂₃ | | 8 7.9 2 | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|----------|---------|------|
| 347200 | 2011 <i>HX</i> ₁₈ | | 8 7.9 356°61 | 7°5/ 2.2 | 18 | | 121420 | 1999 <i>TD</i> ₁₄₈ | | 8 7.9 284°32 | 4°4/11.5 | 18 | |
| 6 30 | 21 31.68 | -26 10.0 | 1.280 | 2.162 | 17.5 | 19.5 | 6 30 | 21 33.35 | -1 39.7 | 2.285 | 3.061 | 14.3 | 20.3 |
| 7 10 | 21 30.38 | -28 3.2 | 1.219 | 2.157 | 13.8 | 19.3 | 7 10 | 21 30.01 | -1 28.8 | 2.188 | 3.052 | 11.9 | 20.1 |
| 7 20 | 21 26.01 | -30 3.7 | 1.178 | 2.154 | 10.1 | 19.1 | 7 20 | 21 24.86 | -1 32.8 | 2.110 | 3.042 | 9.2 | 20.0 |
| 7 30 | 21 19.12 | -31 59.7 | 1.159 | 2.152 | 7.7 | 18.9 | 7 30 | 21 18.33 | -1 52.4 | 2.056 | 3.033 | 6.4 | 19.8 |
| 8 9 | 21 10.85 | -33 38.3 | 1.163 | 2.151 | 8.3 | 19.0 | 8 9 | 21 11.01 | -2 25.9 | 2.028 | 3.023 | 4.5 | 19.6 |
| 8 19 | 21 2.65 | -34 49.7 | 1.190 | 2.151 | 11.4 | 19.1 | 8 19 | 21 3.64 | -3 10.7 | 2.027 | 3.014 | 5.2 | 19.7 |
| 8 29 | 20 56.05 | -35 29.1 | 1.238 | 2.152 | 15.1 | 19.4 | 8 29 | 20 57.00 | -4 2.6 | 2.052 | 3.004 | 7.8 | 19.8 |
| 9 8 | 20 52.20 | -35 37.4 | 1.305 | 2.154 | 18.6 | 19.6 | 9 8 | 20 51.79 | -4 56.9 | 2.103 | 2.995 | 10.7 | 20.0 |
| 329251 | 1995 <i>UU</i> ₅₉ | | 8 7.9 203°04 | 3°4/10.5 | 16 | | 437577 | 2014 <i>AX</i> ₃₁ | | 8 7.9 180°50 | 1°1/ 8.9 | 18 | |
| 6 30 | 21 36.48 | -4 42.3 | 2.122 | 2.911 | 14.8 | 22.2 | 6 30 | 21 36.09 | -8 42.2 | 2.173 | 2.977 | 14.0 | 21.6 |
| 7 10 | 21 32.54 | -4 41.9 | 2.031 | 2.908 | 12.2 | 22.0 | 7 10 | 21 32.21 | -9 24.3 | 2.086 | 2.978 | 11.2 | 21.4 |
| 7 20 | 21 26.62 | -4 56.4 | 1.960 | 2.905 | 9.0 | 21.8 | 7 20 | 21 26.38 | -10 20.9 | 2.020 | 2.979 | 7.8 | 21.2 |
| 7 30 | 21 19.16 | -5 25.1 | 1.914 | 2.901 | 5.7 | 21.6 | 7 30 | 21 19.06 | -11 29.2 | 1.979 | 2.979 | 4.1 | 20.9 |
| 8 9 | 21 10.86 | -6 5.8 | 1.893 | 2.897 | 3.4 | 21.4 | 8 9 | 21 10.92 | -12 44.6 | 1.966 | 2.979 | 1.1 | 20.7 |
| 8 19 | 21 2.54 | -6 54.8 | 1.901 | 2.893 | 4.8 | 21.5 | 8 19 | 21 2.77 | -14 1.5 | 1.982 | 2.978 | 4.2 | 20.9 |
| 8 29 | 20 55.10 | -7 47.4 | 1.935 | 2.889 | 8.1 | 21.7 | 8 29 | 20 55.48 | -15 14.6 | 2.025 | 2.977 | 7.9 | 21.2 |
| 9 8 | 20 49.26 | -8 38.9 | 1.994 | 2.884 | 11.3 | 21.9 | 9 8 | 20 49.77 | -16 19.4 | 2.094 | 2.975 | 11.2 | 21.4 |
| 218343 | 2004 <i>DR</i> ₈ | | 8 7.9 208°92 | 1°5/ 8.9 | 18 | | 5238 | <i>Naozane</i> | | 8 7.9 99°76 | 4°4/10.6 | 18 | |
| 6 30 | 21 36.35 | -8 40.4 | 1.643 | 2.466 | 17.1 | 20.6 | 6 30 | 21 40.08 | -4 38.7 | 1.504 | 2.311 | 19.1 | 17.0 |
| 7 10 | 21 33.05 | -9 13.3 | 1.562 | 2.465 | 13.7 | 20.4 | 7 10 | 21 35.96 | -4 24.3 | 1.437 | 2.324 | 15.6 | 16.8 |
| 7 20 | 21 27.30 | -10 4.4 | 1.499 | 2.463 | 9.6 | 20.2 | 7 20 | 21 29.21 | -4 29.1 | 1.388 | 2.337 | 11.5 | 16.6 |
| 7 30 | 21 19.59 | -11 10.8 | 1.461 | 2.461 | 5.1 | 19.9 | 7 30 | 21 20.47 | -4 52.8 | 1.361 | 2.350 | 7.3 | 16.4 |
| 8 9 | 21 10.80 | -12 26.9 | 1.447 | 2.460 | 1.5 | 19.7 | 8 9 | 21 10.75 | -5 32.2 | 1.358 | 2.362 | 4.4 | 16.2 |
| 8 19 | 21 2.01 | -13 45.7 | 1.460 | 2.458 | 5.2 | 19.9 | 8 19 | 21 1.23 | -6 22.4 | 1.381 | 2.374 | 6.1 | 16.4 |
| 8 29 | 20 54.36 | -15 0.2 | 1.499 | 2.456 | 9.7 | 20.2 | 8 29 | 20 53.12 | -7 16.8 | 1.429 | 2.386 | 10.0 | 16.6 |
| 9 8 | 20 48.80 | -16 4.6 | 1.561 | 2.453 | 13.7 | 20.4 | 9 8 | 20 47.30 | -8 9.5 | 1.499 | 2.398 | 13.8 | 16.9 |
| 71996 | 2000 <i>WB</i> ₁₇₈ | | 8 7.9 41°55 | 5°2/10.7 | 18 | | 429697 | 2011 <i>HC</i> ₅₇ | | 8 7.9 52°64 | 7°2/ 2.5 | 17 | |
| 6 30 | 21 37.87 | -4 53.5 | 1.285 | 2.111 | 20.7 | 18.5 | 6 30 | 21 38.48 | -28 15.3 | 1.489 | 2.352 | 16.5 | 20.3 |
| 7 10 | 21 34.67 | -4 19.6 | 1.220 | 2.118 | 17.1 | 18.3 | 7 10 | 21 35.11 | -30 3.0 | 1.443 | 2.369 | 13.0 | 20.1 |
| 7 20 | 21 28.57 | -4 6.0 | 1.172 | 2.126 | 12.8 | 18.0 | 7 20 | 21 28.82 | -31 51.9 | 1.418 | 2.386 | 9.6 | 20.0 |
| 7 30 | 21 20.22 | -4 13.6 | 1.144 | 2.134 | 8.3 | 17.8 | 7 30 | 21 20.32 | -33 31.1 | 1.417 | 2.404 | 7.4 | 19.9 |
| 8 9 | 21 10.73 | -4 40.1 | 1.139 | 2.142 | 5.3 | 17.7 | 8 9 | 21 10.77 | -34 50.5 | 1.441 | 2.422 | 7.8 | 20.0 |
| 8 19 | 21 1.44 | -5 20.6 | 1.157 | 2.151 | 6.9 | 17.8 | 8 19 | 21 1.54 | -35 43.5 | 1.489 | 2.440 | 10.4 | 20.2 |
| 8 29 | 20 53.69 | -6 8.5 | 1.199 | 2.160 | 11.0 | 18.1 | 8 29 | 20 53.96 | -36 8.1 | 1.560 | 2.459 | 13.5 | 20.4 |
| 9 8 | 20 48.50 | -6 56.6 | 1.262 | 2.170 | 15.2 | 18.3 | 9 8 | 20 48.95 | -36 6.8 | 1.650 | 2.477 | 16.4 | 20.6 |
| 417987 | 2007 <i>TO</i> ₂₃₄ | | 8 7.9 252°25 | 5°1/ 4.7 | 17 | | 426414 | 2013 <i>QS</i> ₃ | | 8 7.9 312°29 | 0°7/ 8.2 | 17 | |
| 6 30 | 21 40.96 | -24 19.1 | 1.499 | 2.355 | 16.8 | 21.3 | 6 30 | 21 36.24 | -13 30.5 | 1.315 | 2.168 | 18.8 | 21.4 |
| 7 10 | 21 37.24 | -25 21.6 | 1.423 | 2.347 | 13.3 | 21.1 | 7 10 | 21 33.78 | -13 32.2 | 1.229 | 2.152 | 15.1 | 21.1 |
| 7 20 | 21 30.48 | -26 30.6 | 1.366 | 2.340 | 9.3 | 20.8 | 7 20 | 21 28.29 | -13 48.1 | 1.162 | 2.136 | 10.5 | 20.8 |
| 7 30 | 21 21.23 | -27 37.9 | 1.332 | 2.331 | 5.8 | 20.6 | 7 30 | 21 20.27 | -14 15.6 | 1.115 | 2.121 | 5.3 | 20.5 |
| 8 9 | 21 10.59 | -28 34.3 | 1.323 | 2.323 | 5.5 | 20.6 | 8 9 | 21 10.76 | -14 49.9 | 1.092 | 2.106 | 0.8 | 20.1 |
| 8 19 | 20 59.96 | -29 12.5 | 1.340 | 2.315 | 8.9 | 20.8 | 8 19 | 21 1.10 | -15 24.8 | 1.093 | 2.091 | 6.3 | 20.5 |
| 8 29 | 20 50.82 | -29 28.7 | 1.380 | 2.306 | 13.0 | 21.0 | 8 29 | 20 52.82 | -15 54.6 | 1.117 | 2.077 | 11.7 | 20.7 |
| 9 8 | 20 44.33 | -29 23.1 | 1.440 | 2.297 | 16.7 | 21.2 | 9 8 | 20 47.16 | -16 14.9 | 1.161 | 2.064 | 16.6 | 21.0 |
| 129041 | 2004 <i>UV</i> ₇ | | 8 7.9 276°84 | 0°7/ 8.4 | 18 | | 423434 | 2005 <i>QE</i> ₁₂₆ | | 8 7.9 77°60 | 2°2/ 6.7 | 17 | |
| 6 30 | 21 35.04 | -12 54.0 | 2.398 | 3.213 | 12.6 | 20.5 | 6 30 | 21 42.15 | -20 14.0 | 1.540 | 2.387 | 16.9 | 21.0 |
| 7 10 | 21 31.25 | -13 1.1 | 2.301 | 3.202 | 10.0 | 20.3 | 7 10 | 21 37.66 | -20 32.9 | 1.476 | 2.396 | 13.2 | 20.8 |
| 7 20 | 21 25.66 | -13 16.7 | 2.226 | 3.190 | 6.9 | 20.1 | 7 20 | 21 30.39 | -20 58.2 | 1.431 | 2.405 | 8.9 | 20.6 |
| 7 30 | 21 18.68 | -13 39.0 | 2.176 | 3.179 | 3.5 | 19.8 | 7 30 | 21 21.04 | -21 24.4 | 1.410 | 2.415 | 4.4 | 20.3 |
| 8 9 | 21 10.94 | -14 5.0 | 2.154 | 3.167 | 0.7 | 19.6 | 8 9 | 21 10.70 | -21 45.9 | 1.414 | 2.424 | 2.5 | 20.2 |
| 8 19 | 21 3.17 | -14 31.7 | 2.159 | 3.155 | 4.0 | 19.8 | 8 19 | 21 0.67 | -21 58.2 | 1.444 | 2.434 | 6.4 | 20.5 |
| 8 29 | 20 56.16 | -14 55.9 | 2.193 | 3.144 | 7.4 | 20.0 | 8 29 | 20 52.18 | -21 58.6 | 1.499 | 2.443 | 10.7 | 20.8 |
| 9 8 | 20 50.58 | -15 15.3 | 2.251 | 3.132 | 10.6 | 20.2 | 9 8 | 20 46.15 | -21 46.9 | 1.576 | 2.452 | 14.5 | 21.1 |
| 80696 | 2000 <i>CB</i> ₁ | | 8 7.9 65°65 | 0°3/ 7.6 | 18 | | 440669 | 2005 <i>XJ</i> ₈₂ | | 8 7.9 297°97 | 5°0/ 3.6 | 16 | |
| 6 30 | 21 39.09 | -14 14.7 | 1.442 | 2.285 | 18.0 | 18.8 | 6 30 | 21 36.57 | -27 55.0 | 2.142 | 2.988 | 12.8 | 21.7 |
| 7 10 | 21 35.28 | -14 43.5 | 1.384 | 2.302 | 14.1 | 18.6 | 7 10 | 21 32.91 | -28 56.1 | 2.061 | 2.978 | 10.2 | 21.5 |
| 7 20 | 21 28.76 | -15 25.3 | 1.346 | 2.319 | 9.5 | 18.4 | 7 20 | 21 27.03 | -29 58.8 | 2.002 | 2.969 | 7.4 | 21.3 |
| 7 30 | 21 20.22 | -16 15.4 | 1.330 | 2.336 | 4.5 | 18.2 | 7 30 | 21 19.44 | -30 57.1 | 1.969 | 2.959 | 5.3 | 21.2 |
| 8 9 | 21 10.76 | -17 7.2 | 1.340 | 2.353 | 0.8 | 17.9 | 8 9 | 21 10.90 | -31 44.6 | 1.962 | 2.950 | 5.4 | 21.2 |
| 8 19 | 21 1.62 | -17 54.3 | 1.375 | 2.371 | 5.7 | 18.3 | 8 19 | 21 2.37 | -32 16.7 | 1.982 | 2.941 | 7.7 | 21.3 |
| 8 29 | 20 54.00 | -18 31.8 | 1.435 | 2.388 | 10.3 | 18.6 | 8 29 | 20 54.85 | -32 30.7 | 2.026 | 2.932 | 10.5 | 21.4 |
| 9 8 | 20 48.79 | -18 57.0 | 1.517 | 2.405 | 14.3 | 18.9 | 9 8 | 20 49.16 | -32 27.0 | 2.093 | 2.923 | 13.3 | 21.6 |
| 16970 | 1998 <i>VV</i> ₂ | | 8 7.9 33°65 | 3°4/11.3 | 18 | | 152040 | 2004 <i>PA</i> ₁₀ | | 8 7.9 279°96 | 0°2/ 8.0 | 18 | |
| 6 30 | 21 31.30 | -3 5.7 | 2.827 | 3.601 | 11.9 | 17.6 | 6 30 | 21 37.80 | -15 15.0 | 2.244 | 3.064 | 13.2 | 20.3 |
| 7 10 | 21 27.93 | -2 56.5 | 2.743 | 3.607 | 9.8 | 17.4 | 7 10 | 21 33.49 | -15 10.7 | 2.152 | 3.056 | 10.4 | 20.1 |
| 7 20 | 21 23.17 | -2 58.9 | 2.679 | 3.613 | 7.4 | 17.3 | 7 20 | 21 27.23 | -15 13.0 | 2.082 | 3.049 | 7.1 | 19.8 |
| 7 30 | 21 17.40 | -3 12.4 | 2.641 | 3.620 | 5.0 | 17.1 | 7 30 | 21 19.47 | -15 19.8 | 2.037 | 3.041 | 3.5 | 19.6 |
| 8 9 | 21 11.13 | -3 35.8 | 2.629 | 3.626 | 3.4 | 17.0 | 8 9 | 21 10.90 | -15 28.6 | 2.020 | 3.034 | 0.4 | 19.3 |
| 8 19 | 21 4.91 | -4 6.7 | 2.646 | 3.633 | 4.1 | 17.1 | 8 19 | 21 2.37 | -15 36.4 | 2.031 | 3.026 | 4.2 | 19.6 |
| 8 29 | 20 59.31 | -4 42.2 | 2.690 | 3.640 | 6.2 | 17.2 | 8 29 | 20 54.72 | -15 41.0 | 2.069 | 3.019 | 7.9 | 19.8 |
| 9 8 | 20 54.85 | -5 19.3 | 2.760 | 3.647 | 8.6 | 17.4 | 9 8 | 20 48.68 | -15 40.7 | 2.132 | 3.011 | 11.1 | 20.0 |
| 206582 | 2003 <i>WV</i> ₇ | | 8 7.9 325°15 | 7°5/10.9 | 18 | | 136738 | 1995 <i>VV</i> ₁₂ | | 8 7.9 165°80 | 4°0/ 5.1 | 18 | |
| 6 30 | | | | | | | | | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|----------|---------|------|
| 374813 | 2006 <i>UA</i> ₇₈ | | 8 7.9 356°50 | 4.8/ 5.9 | 16 | | 118165 | 1981 <i>EH</i> ₂ | | 8 7.9 190°07 | 4.1/11.8 | 18 | |
| 6 30 | 21 29.73 | -23 47.6 | 0.865 | 1.771 | 21.4 | 19.7 | 6 30 | 21 34.43 | -0 43.3 | 2.669 | 3.427 | 12.9 | 20.7 |
| 7 10 | 21 29.83 | -24 3.9 | 0.809 | 1.762 | 17.0 | 19.4 | 7 10 | 21 30.51 | -0 34.2 | 2.575 | 3.426 | 10.7 | 20.5 |
| 7 20 | 21 26.12 | -24 25.1 | 0.768 | 1.756 | 11.8 | 19.1 | 7 20 | 21 25.03 | -0 38.6 | 2.501 | 3.425 | 8.3 | 20.3 |
| 7 30 | 21 19.31 | -24 43.5 | 0.745 | 1.752 | 6.6 | 18.8 | 7 30 | 21 18.37 | -0 56.6 | 2.452 | 3.423 | 5.9 | 20.2 |
| 8 9 | 21 10.92 | -24 50.1 | 0.741 | 1.750 | 5.2 | 18.7 | 8 9 | 21 11.08 | -1 27.0 | 2.430 | 3.421 | 4.2 | 20.1 |
| 8 19 | 21 2.81 | -24 38.7 | 0.757 | 1.750 | 9.7 | 18.9 | 8 19 | 21 3.79 | -2 7.3 | 2.436 | 3.419 | 4.8 | 20.1 |
| 8 29 | 20 56.86 | -24 6.9 | 0.791 | 1.753 | 15.0 | 19.2 | 8 29 | 20 57.16 | -2 54.2 | 2.469 | 3.416 | 6.9 | 20.2 |
| 9 8 | 20 54.30 | -23 16.8 | 0.843 | 1.759 | 19.9 | 19.6 | 9 8 | 20 51.77 | -3 43.6 | 2.529 | 3.414 | 9.4 | 20.4 |
| 508175 | 2015 <i>FB</i> ₂₇₉ | | 8 7.9 91°48 | 3.4/ 5.6 | 17 | | 85603 | 1998 <i>FV</i> ₁₂₂ | | 8 7.9 70°27 | 6.2/12.9 | 18 | |
| 6 30 | 21 40.42 | -22 2.9 | 1.705 | 2.551 | 15.5 | 21.8 | 6 30 | 21 35.39 | + 2 8.7 | 1.726 | 2.501 | 18.2 | 19.4 |
| 7 10 | 21 36.10 | -22 51.1 | 1.643 | 2.563 | 12.1 | 21.7 | 7 10 | 21 31.98 | + 2 16.9 | 1.657 | 2.515 | 15.4 | 19.2 |
| 7 20 | 21 29.23 | -23 44.8 | 1.602 | 2.575 | 8.2 | 21.5 | 7 20 | 21 26.37 | + 2 2.3 | 1.606 | 2.530 | 12.1 | 19.1 |
| 7 30 | 21 20.46 | -24 37.5 | 1.585 | 2.587 | 4.6 | 21.3 | 7 30 | 21 19.09 | + 1 24.4 | 1.577 | 2.545 | 8.7 | 18.9 |
| 8 9 | 21 10.79 | -25 22.5 | 1.594 | 2.599 | 3.7 | 21.2 | 8 9 | 21 11.01 | + 0 25.7 | 1.571 | 2.560 | 6.4 | 18.8 |
| 8 19 | 21 1.37 | -25 54.7 | 1.629 | 2.611 | 6.9 | 21.5 | 8 19 | 21 3.06 | - 0 48.9 | 1.591 | 2.575 | 6.7 | 18.9 |
| 8 29 | 20 53.34 | -26 11.1 | 1.690 | 2.622 | 10.6 | 21.7 | 8 29 | 20 56.25 | - 2 12.3 | 1.636 | 2.590 | 9.3 | 19.1 |
| 9 8 | 20 47.54 | -26 11.8 | 1.773 | 2.634 | 13.9 | 21.9 | 9 8 | 20 51.34 | - 3 36.9 | 1.706 | 2.604 | 12.4 | 19.3 |
| 294851 | 2008 <i>CS</i> ₁₇₈ | | 8 7.9 102°71 | 0.8/ 8.4 | 17 | | 85810 | 1998 <i>WV</i> ₁₄ | | 8 7.9 282°10 | 3.2/ 5.9 | 18 | |
| 6 30 | 21 41.16 | -12 16.5 | 1.626 | 2.452 | 17.1 | 21.3 | 6 30 | 21 38.72 | -19 20.1 | 1.347 | 2.206 | 18.1 | 19.4 |
| 7 10 | 21 36.62 | -12 30.1 | 1.561 | 2.468 | 13.5 | 21.1 | 7 10 | 21 35.88 | -20 10.7 | 1.261 | 2.189 | 14.3 | 19.1 |
| 7 20 | 21 29.56 | -12 56.5 | 1.516 | 2.483 | 9.3 | 20.9 | 7 20 | 21 29.85 | -21 14.2 | 1.194 | 2.172 | 9.8 | 18.8 |
| 7 30 | 21 20.62 | -13 32.4 | 1.495 | 2.498 | 4.6 | 20.7 | 7 30 | 21 21.11 | -22 23.8 | 1.150 | 2.155 | 5.1 | 18.5 |
| 8 9 | 21 10.79 | -14 12.9 | 1.499 | 2.512 | 0.8 | 20.4 | 8 9 | 21 10.72 | -23 30.5 | 1.129 | 2.138 | 3.7 | 18.4 |
| 8 19 | 21 1.22 | -14 52.8 | 1.530 | 2.526 | 5.1 | 20.8 | 8 19 | 21 0.13 | -24 25.1 | 1.133 | 2.121 | 8.1 | 18.6 |
| 8 29 | 20 53.03 | -15 27.4 | 1.587 | 2.540 | 9.5 | 21.1 | 8 29 | 20 50.96 | -25 1.5 | 1.160 | 2.104 | 13.2 | 18.8 |
| 9 8 | 20 47.06 | -15 53.8 | 1.667 | 2.554 | 13.3 | 21.3 | 9 8 | 20 44.55 | -25 17.1 | 1.207 | 2.087 | 17.8 | 19.0 |
| 511169 | 2013 <i>YO</i> ₆₀ | | 8 7.9 179°31 | 0°/ 7.8 | 18 | | 349290 | 2007 <i>TA</i> ₃₈₆ | | 8 7.9 217°85 | 2.2/ 9.9 | 18 | |
| 6 30 | 21 40.00 | -14 40.4 | 2.377 | 3.187 | 12.8 | 22.1 | 6 30 | 21 34.91 | - 5 45.9 | 2.338 | 3.128 | 13.6 | 20.9 |
| 7 10 | 21 35.04 | -14 53.5 | 2.290 | 3.189 | 10.1 | 21.9 | 7 10 | 21 31.20 | - 6 16.3 | 2.241 | 3.122 | 11.0 | 20.7 |
| 7 20 | 21 28.19 | -15 14.1 | 2.225 | 3.190 | 6.9 | 21.7 | 7 20 | 21 25.69 | - 7 1.8 | 2.165 | 3.115 | 8.0 | 20.5 |
| 7 30 | 21 19.91 | -15 39.6 | 2.187 | 3.190 | 3.3 | 21.4 | 7 30 | 21 18.76 | - 8 0.6 | 2.114 | 3.108 | 4.7 | 20.3 |
| 8 9 | 21 10.88 | -16 6.8 | 2.177 | 3.190 | 0.4 | 21.2 | 8 9 | 21 11.05 | - 9 9.3 | 2.091 | 3.100 | 2.2 | 20.1 |
| 8 19 | 21 1.91 | -16 32.3 | 2.195 | 3.189 | 4.1 | 21.5 | 8 19 | 21 3.27 | -10 23.4 | 2.096 | 3.092 | 4.1 | 20.2 |
| 8 29 | 20 53.82 | -16 53.3 | 2.242 | 3.188 | 7.6 | 21.7 | 8 29 | 20 56.22 | -11 37.6 | 2.130 | 3.084 | 7.4 | 20.4 |
| 9 8 | 20 47.31 | -17 7.8 | 2.315 | 3.186 | 10.7 | 21.9 | 9 8 | 20 50.61 | -12 47.0 | 2.190 | 3.075 | 10.6 | 20.6 |
| 269388 | 2009 <i>QX</i> ₂₂ | | 8 7.9 279°56 | 4°/ 5.7 | 17 | | 198226 | 2004 <i>TF</i> ₁₈₄ | | 8 7.9 173°57 | 1.1/ 7.0 | 17 | |
| 6 30 | 21 42.35 | -24 17.6 | 1.596 | 2.445 | 16.3 | 20.4 | 6 30 | 21 40.34 | -17 46.6 | 2.248 | 3.069 | 13.1 | 22.0 |
| 7 10 | 21 38.16 | -24 45.1 | 1.511 | 2.432 | 12.9 | 20.2 | 7 10 | 21 35.45 | -18 10.8 | 2.165 | 3.072 | 10.2 | 21.8 |
| 7 20 | 21 31.02 | -25 16.4 | 1.447 | 2.420 | 9.0 | 19.9 | 7 20 | 21 28.54 | -18 41.3 | 2.105 | 3.074 | 6.9 | 21.6 |
| 7 30 | 21 21.50 | -25 45.1 | 1.405 | 2.407 | 5.2 | 19.7 | 7 30 | 21 20.11 | -19 14.7 | 2.071 | 3.076 | 3.3 | 21.3 |
| 8 9 | 21 10.66 | -26 4.4 | 1.390 | 2.394 | 4.3 | 19.6 | 8 9 | 21 10.89 | -19 46.7 | 2.065 | 3.077 | 1.4 | 21.2 |
| 8 19 | 20 59.84 | -26 9.2 | 1.399 | 2.381 | 7.7 | 19.8 | 8 19 | 21 1.76 | -20 13.7 | 2.088 | 3.078 | 4.7 | 21.4 |
| 8 29 | 20 50.44 | -25 57.3 | 1.433 | 2.368 | 11.9 | 20.0 | 8 29 | 20 53.59 | -20 32.7 | 2.138 | 3.078 | 8.2 | 21.7 |
| 9 8 | 20 43.57 | -25 29.3 | 1.489 | 2.355 | 15.8 | 20.2 | 9 8 | 20 47.12 | -20 42.5 | 2.213 | 3.078 | 11.4 | 21.9 |
| 121781 | 2000 <i>AA</i> ₅₅ | | 8 7.9 243°56 | 1.1/ 6.8 | 18 | | 231943 | 2001 <i>FM</i> ₁₇₂ | | 8 7.9 124°60 | 4.0/12.2 | 18 | |
| 6 30 | 21 34.42 | -17 5.4 | 2.644 | 3.467 | 11.3 | 20.1 | 6 30 | 21 35.65 | + 1 36.4 | 2.251 | 3.006 | 15.0 | 20.0 |
| 7 10 | 21 30.65 | -17 43.1 | 2.549 | 3.457 | 8.8 | 19.9 | 7 10 | 21 31.71 | + 0 52.6 | 2.168 | 3.018 | 12.5 | 19.8 |
| 7 20 | 21 25.22 | -18 27.9 | 2.477 | 3.447 | 6.0 | 19.7 | 7 20 | 21 25.96 | - 0 11.7 | 2.105 | 3.030 | 9.6 | 19.7 |
| 7 30 | 21 18.49 | -19 16.4 | 2.431 | 3.436 | 2.8 | 19.5 | 7 30 | 21 18.86 | - 1 35.3 | 2.067 | 3.042 | 6.5 | 19.5 |
| 8 9 | 21 11.06 | -20 4.8 | 2.414 | 3.425 | 1.3 | 19.4 | 8 9 | 21 11.06 | - 3 14.1 | 2.056 | 3.053 | 4.2 | 19.4 |
| 8 19 | 21 3.59 | -20 49.2 | 2.425 | 3.415 | 4.2 | 19.6 | 8 19 | 21 3.32 | - 5 2.4 | 2.074 | 3.064 | 4.8 | 19.4 |
| 8 29 | 20 56.80 | -21 26.5 | 2.464 | 3.403 | 7.4 | 19.8 | 8 29 | 20 56.43 | - 6 53.2 | 2.122 | 3.075 | 7.5 | 19.6 |
| 9 8 | 20 51.33 | -21 54.5 | 2.529 | 3.392 | 10.2 | 19.9 | 9 8 | 20 51.04 | - 8 39.9 | 2.196 | 3.085 | 10.5 | 19.8 |
| 133825 | 2003 <i>XF</i> ₇ | | 8 7.9 327°09 | 4.0/ 9.5 | 18 | | 234564 | 2001 <i>XN</i> ₃₇ | | 8 7.9 183°33 | 3.2/ 9.9 | 18 | |
| 6 30 | 21 33.91 | - 9 47.6 | 1.138 | 1.996 | 20.9 | 19.1 | 6 30 | 21 41.27 | - 6 57.6 | 2.177 | 2.964 | 14.6 | 21.0 |
| 7 10 | 21 32.37 | - 9 3.8 | 1.054 | 1.975 | 17.1 | 18.8 | 7 10 | 21 36.20 | - 6 34.0 | 2.088 | 2.964 | 11.9 | 21.0 |
| 7 20 | 21 27.60 | - 8 34.7 | 0.985 | 1.955 | 12.6 | 18.5 | 7 20 | 21 29.08 | - 6 21.7 | 2.019 | 2.964 | 8.7 | 20.8 |
| 7 30 | 21 20.06 | - 8 21.5 | 0.936 | 1.936 | 7.5 | 18.1 | 7 30 | 21 20.39 | - 6 20.5 | 1.975 | 2.964 | 5.4 | 20.6 |
| 8 9 | 21 10.83 | - 8 23.0 | 0.909 | 1.918 | 4.0 | 17.9 | 8 9 | 21 10.87 | - 6 28.9 | 1.958 | 2.963 | 3.2 | 20.4 |
| 8 19 | 21 1.36 | - 8 35.9 | 0.903 | 1.901 | 7.2 | 18.0 | 8 19 | 21 1.38 | - 6 44.5 | 1.970 | 2.961 | 4.8 | 20.5 |
| 8 29 | 20 53.36 | - 8 55.0 | 0.918 | 1.886 | 12.6 | 18.2 | 8 29 | 20 52.83 | - 7 4.2 | 2.009 | 2.959 | 8.1 | 20.7 |
| 9 8 | 20 48.19 | - 9 14.5 | 0.952 | 1.872 | 17.7 | 18.5 | 9 8 | 20 45.96 | - 7 24.8 | 2.074 | 2.956 | 11.3 | 20.9 |
| 396188 | 2013 <i>GD</i> ₁₃₅ | | 8 7.9 17°35 | 3.3/ 5.1 | 18 | | 470706 | 2008 <i>TO</i> ₁₃₇ | | 8 7.9 257°24 | 6.0/12.3 | 18 | |
| 6 30 | 21 35.41 | -23 31.9 | 2.184 | 3.027 | 12.7 | 20.6 | 6 30 | 21 35.92 | + 1 21.5 | 2.058 | 2.821 | 16.0 | 21.7 |
| 7 10 | 21 31.75 | -24 17.6 | 2.110 | 3.028 | 9.9 | 20.4 | 7 10 | 21 32.33 | + 1 43.3 | 1.955 | 2.806 | 13.7 | 21.5 |
| 7 20 | 21 26.10 | -25 6.9 | 2.058 | 3.030 | 6.8 | 20.2 | 7 20 | 21 26.67 | + 1 47.1 | 1.871 | 2.790 | 10.9 | 21.3 |
| 7 30 | 21 18.93 | -25 54.6 | 2.032 | 3.032 | 4.0 | 20.0 | 7 30 | 21 19.33 | + 1 31.5 | 1.809 | 2.775 | 8.1 | 21.1 |
| 8 9 | 21 11.01 | -26 35.8 | 2.033 | 3.035 | 3.6 | 20.0 | 8 9 | 21 10.99 | + 0 56.8 | 1.772 | 2.758 | 6.1 | 20.9 |
| 8 19 | 21 3.18 | -27 6.2 | 2.061 | 3.037 | 6.1 | 20.2 | 8 19 | 21 2.50 | + 0 5.8 | 1.762 | 2.742 | 6.6 | 20.9 |
| 8 29 | 20 56.32 | -27 23.4 | 2.115 | 3.040 | 9.1 | 20.4 | 8 29 | 20 54.80 | - 0 57.0 | 1.777 | 2.725 | 9.1 | 21.0 |
| 9 8 | 20 51.16 | -27 26.7 | 2.192 | 3.043 | 12.0 | 20.5 | 9 8 | 20 48.72 | - 2 5.4 | 1.817 | 2.708 | 12.2 | 21.2 |
| 521174 | 2015 <i>FB</i> ₄₁₀ | | 8 7.9 108°77 | 9.3/15.9 | 17 | | 283693 | 2002 <i>RE</i> ₁₁₂ | | 8 7.9 268°73 | | | |

EPHEMERIDES

8 7.9

8 7.9

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 362387 | 2010 <i>OL</i> ₉ | | 8 7.9 263°14 | 1°3/ 6.8 | 18 | | 506150 | 2016 <i>EL</i> ₇₉ | | 8 7.9 79°15 | 17°1/30.1 | 17 | |
| 6 30 | 21 35.99 | -18 23.9 | 2.354 | 3.182 | 12.4 | 21.3 | 6 30 | 22 5.79 | -55 58.7 | 1.472 | 2.263 | 20.2 | 20.7 |
| 7 10 | 21 32.10 | -18 51.3 | 2.261 | 3.172 | 9.7 | 21.1 | 7 10 | 21 58.44 | -57 48.5 | 1.454 | 2.283 | 18.6 | 20.7 |
| 7 20 | 21 26.32 | -19 25.0 | 2.191 | 3.162 | 6.5 | 20.9 | 7 20 | 21 45.50 | -59 12.2 | 1.453 | 2.302 | 17.5 | 20.6 |
| 7 30 | 21 19.08 | -20 1.5 | 2.146 | 3.151 | 3.2 | 20.7 | 7 30 | 21 28.42 | -59 55.6 | 1.469 | 2.322 | 17.1 | 20.7 |
| 8 9 | 21 11.04 | -20 36.8 | 2.130 | 3.141 | 1.6 | 20.5 | 8 9 | 21 9.98 | -59 50.1 | 1.504 | 2.342 | 17.5 | 20.8 |
| 8 19 | 21 2.98 | -21 7.2 | 2.141 | 3.130 | 4.7 | 20.7 | 8 19 | 20 53.24 | -58 55.9 | 1.556 | 2.361 | 18.4 | 20.9 |
| 8 29 | 20 55.74 | -21 29.7 | 2.179 | 3.120 | 8.1 | 20.9 | 8 29 | 20 40.61 | -57 20.7 | 1.626 | 2.380 | 19.7 | 21.0 |
| 9 8 | 20 50.02 | -21 42.4 | 2.242 | 3.109 | 11.2 | 21.1 | 9 8 | 20 33.08 | -55 16.4 | 1.711 | 2.399 | 20.9 | 21.2 |
| 334029 | 2000 <i>XA</i> ₃₉ | | 8 7.9 327°32 | 7°7/ 7.9 | 18 | | 134844 | 2000 <i>JX</i> ₈₀ | | 8 7.9 229°33 | 1°4/ 8.9 | 18 | |
| 6 30 | 21 51.32 | -11 20.2 | 1.283 | 2.106 | 20.9 | 19.2 | 6 30 | 21 36.52 | -10 28.5 | 2.152 | 2.963 | 14.0 | 20.5 |
| 7 10 | 21 46.18 | -8 46.2 | 1.177 | 2.075 | 17.6 | 18.9 | 7 10 | 21 32.60 | -10 34.6 | 2.062 | 2.958 | 11.2 | 20.3 |
| 7 20 | 21 37.24 | -6 5.4 | 1.091 | 2.044 | 13.5 | 18.5 | 7 20 | 21 26.71 | -10 51.8 | 1.993 | 2.954 | 7.9 | 20.1 |
| 7 30 | 21 24.89 | -3 22.3 | 1.028 | 2.015 | 9.5 | 18.2 | 7 30 | 21 19.30 | -11 18.4 | 1.949 | 2.949 | 4.2 | 19.9 |
| 8 9 | 21 10.27 | -0 44.6 | 0.990 | 1.987 | 7.7 | 18.0 | 8 9 | 21 11.06 | -11 51.3 | 1.932 | 2.944 | 1.4 | 19.7 |
| 8 19 | 20 55.06 | + 1 38.2 | 0.979 | 1.960 | 10.4 | 18.1 | 8 19 | 21 2.82 | -12 26.8 | 1.942 | 2.939 | 4.3 | 19.9 |
| 8 29 | 20 41.30 | + 3 38.8 | 0.993 | 1.934 | 15.2 | 18.3 | 8 29 | 20 55.46 | -13 1.2 | 1.980 | 2.933 | 7.9 | 20.1 |
| 9 8 | 20 30.67 | + 5 15.0 | 1.029 | 1.910 | 20.0 | 18.5 | 9 8 | 20 49.70 | -13 31.1 | 2.042 | 2.928 | 11.3 | 20.3 |
| 167816 | 2005 <i>CW</i> ₅ | | 8 7.9 157°82 | 1°2/ 7.0 | 17 | | 165121 | 2000 <i>JY</i> ₇₆ | | 8 7.9 78°24 | 1°0/ 7.4 | 17 | |
| 6 30 | 21 40.14 | -18 27.8 | 2.187 | 3.012 | 13.3 | 20.4 | 6 30 | 21 41.81 | -16 16.9 | 1.294 | 2.146 | 19.2 | 20.0 |
| 7 10 | 21 35.33 | -18 45.0 | 2.108 | 3.016 | 10.4 | 20.2 | 7 10 | 21 37.87 | -16 37.1 | 1.234 | 2.156 | 15.1 | 19.8 |
| 7 20 | 21 28.47 | -19 7.8 | 2.051 | 3.021 | 7.0 | 20.0 | 7 20 | 21 30.82 | -17 9.2 | 1.191 | 2.166 | 10.2 | 19.5 |
| 7 30 | 21 20.08 | -19 32.8 | 2.020 | 3.024 | 3.4 | 19.8 | 7 30 | 21 21.39 | -17 48.0 | 1.171 | 2.177 | 4.8 | 19.2 |
| 8 9 | 21 10.93 | -19 56.0 | 2.016 | 3.028 | 1.4 | 19.6 | 8 9 | 21 10.83 | -18 26.8 | 1.174 | 2.187 | 1.3 | 19.0 |
| 8 19 | 21 1.90 | -20 13.9 | 2.041 | 3.031 | 4.8 | 19.9 | 8 19 | 21 0.58 | -18 59.2 | 1.203 | 2.198 | 6.5 | 19.4 |
| 8 29 | 20 53.88 | -20 24.1 | 2.093 | 3.034 | 8.3 | 20.1 | 8 29 | 20 52.07 | -19 20.6 | 1.255 | 2.208 | 11.5 | 19.7 |
| 9 8 | 20 47.61 | -20 25.6 | 2.169 | 3.036 | 11.5 | 20.3 | 9 8 | 20 46.32 | -19 29.3 | 1.328 | 2.219 | 15.8 | 20.0 |
| 237530 | 2000 <i>SQ</i> ₂₈₂ | | 8 7.9 326°10 | 1°3/ 7.2 | 18 | | 404094 | 2012 <i>FE</i> ₃₀ | | 8 7.9 230°29 | 2°0/ 6.0 | 18 | |
| 6 30 | 21 38.81 | -18 33.9 | 1.492 | 2.343 | 17.1 | 20.0 | 6 30 | 21 35.96 | -21 15.0 | 2.753 | 3.579 | 10.8 | 21.6 |
| 7 10 | 21 35.39 | -18 37.8 | 1.411 | 2.334 | 13.5 | 19.8 | 7 10 | 21 31.79 | -21 46.4 | 2.662 | 3.572 | 8.4 | 21.5 |
| 7 20 | 21 29.13 | -18 49.3 | 1.349 | 2.325 | 9.2 | 19.5 | 7 20 | 21 25.97 | -22 21.6 | 2.594 | 3.564 | 5.7 | 21.3 |
| 7 30 | 21 20.61 | -19 4.4 | 1.310 | 2.316 | 4.4 | 19.2 | 7 30 | 21 18.89 | -22 57.1 | 2.553 | 3.556 | 3.0 | 21.1 |
| 8 9 | 21 10.86 | -19 18.1 | 1.295 | 2.308 | 1.6 | 19.0 | 8 9 | 21 11.14 | -23 29.3 | 2.540 | 3.547 | 2.2 | 21.0 |
| 8 19 | 21 1.15 | -19 25.7 | 1.306 | 2.301 | 6.2 | 19.3 | 8 19 | 21 3.39 | -23 55.1 | 2.556 | 3.539 | 4.6 | 21.2 |
| 8 29 | 20 52.83 | -19 24.2 | 1.341 | 2.294 | 11.0 | 19.5 | 8 29 | 20 56.36 | -24 12.2 | 2.600 | 3.530 | 7.4 | 21.4 |
| 9 8 | 20 46.96 | -19 12.3 | 1.398 | 2.287 | 15.2 | 19.8 | 9 8 | 20 50.66 | -24 19.4 | 2.668 | 3.521 | 10.0 | 21.5 |
| 192958 | 2000 <i>CY</i> ₆₈ | | 8 7.9 321°21 | 0°0/ 7.8 | 18 | | 420358 | 2012 <i>BB</i> ₈₉ | | 8 7.9 248°69 | 2°3/ 6.5 | 17 | |
| 6 30 | 21 37.37 | -15 12.0 | 1.734 | 2.571 | 15.7 | 19.8 | 6 30 | 21 40.08 | -18 3.3 | 1.518 | 2.364 | 17.1 | 22.0 |
| 7 10 | 21 33.80 | -15 14.2 | 1.649 | 2.563 | 12.4 | 19.6 | 7 10 | 21 36.48 | -18 47.4 | 1.434 | 2.355 | 13.5 | 21.7 |
| 7 20 | 21 27.80 | -15 25.8 | 1.585 | 2.556 | 8.5 | 19.3 | 7 20 | 21 29.98 | -19 43.2 | 1.369 | 2.344 | 9.2 | 21.4 |
| 7 30 | 21 19.89 | -15 43.9 | 1.544 | 2.549 | 4.1 | 19.0 | 7 30 | 21 21.10 | -20 45.0 | 1.328 | 2.334 | 4.5 | 21.2 |
| 8 9 | 21 10.95 | -16 4.6 | 1.528 | 2.542 | 0.5 | 18.7 | 8 9 | 21 10.85 | -21 45.1 | 1.312 | 2.323 | 2.6 | 21.0 |
| 8 19 | 21 2.04 | -16 23.8 | 1.539 | 2.535 | 5.2 | 19.1 | 8 19 | 21 0.51 | -22 36.2 | 1.322 | 2.312 | 6.9 | 21.2 |
| 8 29 | 20 54.27 | -16 37.9 | 1.576 | 2.529 | 9.5 | 19.3 | 8 29 | 20 51.50 | -23 12.6 | 1.357 | 2.301 | 11.7 | 21.5 |
| 9 8 | 20 48.54 | -16 44.5 | 1.635 | 2.524 | 13.4 | 19.6 | 9 8 | 20 44.95 | -23 32.2 | 1.413 | 2.289 | 15.9 | 21.7 |
| 454953 | 2015 <i>TO</i> ₁₉₃ | | 8 7.9 337°29 | 1°4/ 8.7 | 15 | | 89590 | 2001 <i>XE</i> ₁₄₁ | | 8 7.9 31°82 | 4°4/ 11.2 | 18 | |
| 6 30 | 21 32.14 | -12 6.5 | 1.614 | 2.457 | 16.4 | 20.8 | 6 30 | 21 35.00 | -3 0.9 | 2.035 | 2.822 | 15.4 | 19.8 |
| 7 10 | 21 29.94 | -12 1.9 | 1.523 | 2.439 | 13.2 | 20.5 | 7 10 | 21 31.46 | -2 42.0 | 1.952 | 2.824 | 12.8 | 19.7 |
| 7 20 | 21 25.33 | -12 9.6 | 1.452 | 2.422 | 9.3 | 20.2 | 7 20 | 21 25.94 | -2 38.4 | 1.889 | 2.827 | 9.7 | 19.5 |
| 7 30 | 21 18.77 | -12 28.1 | 1.403 | 2.406 | 4.9 | 20.0 | 7 30 | 21 18.93 | -2 50.4 | 1.849 | 2.829 | 6.6 | 19.3 |
| 8 9 | 21 11.09 | -12 54.0 | 1.378 | 2.391 | 1.4 | 19.7 | 8 9 | 21 11.14 | -3 16.3 | 1.834 | 2.832 | 4.5 | 19.2 |
| 8 19 | 21 3.33 | -13 22.9 | 1.379 | 2.377 | 5.2 | 19.9 | 8 19 | 21 3.39 | -3 53.3 | 1.846 | 2.835 | 5.4 | 19.2 |
| 8 29 | 20 56.64 | -13 50.3 | 1.403 | 2.365 | 9.8 | 20.1 | 8 29 | 20 56.56 | -4 36.9 | 1.885 | 2.838 | 8.3 | 19.4 |
| 9 8 | 20 51.97 | -14 12.1 | 1.450 | 2.353 | 13.9 | 20.4 | 9 8 | 20 51.35 | -5 22.3 | 1.947 | 2.841 | 11.3 | 19.6 |
| 487747 | 2015 <i>RD</i> ₁₁₆ | | 8 7.9 278°62 | 7°6/ 31.9 | 18 | | 419615 | 2010 <i>RS</i> ₁₆₄ | | 8 7.9 38°49 | 2°9/ 9.3 | 17 | |
| 6 30 | 21 42.20 | -38 49.4 | 2.453 | 3.278 | 12.0 | 21.3 | 6 30 | 21 39.14 | -10 2.6 | 1.184 | 2.030 | 20.9 | 20.5 |
| 7 10 | 21 37.34 | -39 50.3 | 2.369 | 3.259 | 10.1 | 21.1 | 7 10 | 21 35.92 | -9 38.7 | 1.124 | 2.040 | 16.8 | 20.3 |
| 7 20 | 21 30.10 | -40 45.8 | 2.307 | 3.239 | 8.5 | 21.0 | 7 20 | 21 29.57 | -9 31.7 | 1.082 | 2.050 | 11.9 | 20.1 |
| 7 30 | 21 20.98 | -41 29.1 | 2.269 | 3.219 | 7.6 | 20.9 | 7 30 | 21 20.82 | -9 40.6 | 1.060 | 2.060 | 6.7 | 19.8 |
| 8 9 | 21 10.83 | -41 54.3 | 2.257 | 3.199 | 8.0 | 20.9 | 8 9 | 21 10.92 | -10 1.3 | 1.060 | 2.071 | 2.9 | 19.6 |
| 8 19 | 21 0.69 | -41 57.6 | 2.271 | 3.179 | 9.5 | 20.9 | 8 19 | 21 1.33 | -10 28.7 | 1.085 | 2.083 | 6.3 | 19.9 |
| 8 29 | 20 51.65 | -41 38.4 | 2.308 | 3.159 | 11.6 | 21.0 | 8 29 | 20 53.48 | -10 57.0 | 1.132 | 2.095 | 11.3 | 20.2 |
| 9 8 | 20 44.60 | -40 58.5 | 2.367 | 3.138 | 13.7 | 21.1 | 9 8 | 20 48.41 | -11 21.2 | 1.200 | 2.108 | 15.8 | 20.5 |
| 26494 | 2000 <i>BR</i> ₂₂ | | 8 7.9 342°36 | 0°5/ 7.5 | 18 | | 159577 | 2001 <i>VE</i> ₆₅ | | 8 7.9 333°84 | 1°9/ 8.7 | 18 | |
| 6 30 | 21 35.12 | -14 38.9 | 1.740 | 2.579 | 15.6 | 18.4 | 6 30 | 21 34.31 | -12 38.4 | 1.045 | 1.916 | 21.4 | 19.1 |
| 7 10 | 21 32.01 | -15 9.8 | 1.660 | 2.576 | 12.2 | 18.2 | 7 10 | 21 32.90 | -12 15.5 | 0.970 | 1.901 | 17.3 | 18.7 |
| 7 20 | 21 26.57 | -15 52.5 | 1.601 | 2.573 | 8.3 | 18.0 | 7 20 | 21 28.07 | -12 7.8 | 0.911 | 1.888 | 12.2 | 18.4 |
| 7 30 | 21 19.30 | -16 43.1 | 1.565 | 2.571 | 4.0 | 17.7 | 7 30 | 21 20.36 | -12 14.4 | 0.871 | 1.876 | 6.5 | 18.1 |
| 8 9 | 21 11.05 | -17 36.1 | 1.555 | 2.568 | 0.8 | 17.4 | 8 9 | 21 10.96 | -12 31.2 | 0.852 | 1.865 | 1.9 | 17.7 |
| 8 19 | 21 2.83 | -18 25.9 | 1.571 | 2.566 | 5.3 | 17.8 | 8 19 | 21 1.47 | -12 52.8 | 0.855 | 1.855 | 6.9 | 18.0 |
| 8 29 | 20 55.72 | -19 7.6 | 1.613 | 2.565 | 9.5 | 18.0 | 8 29 | 20 53.68 | -13 13.1 | 0.878 | 1.847 | 12.9 | 18.3 |
| 9 8 | 20 50.58 | -19 37.9 | 1.678 | 2.563 | 13.3 | 18.2 | 9 8 | 20 48.94 | -13 27.1 | 0.920 | 1.839 | 18.2 | 18.6 |
| 445433 | 2010 <i>UK</i> ₄₄ | | 8 7.9 192°31 | 5°5/ 13.7 | 18 | | 28293 | 1999 <i>CN</i> ₅₇ | | 8 7.9 236 | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|-----------|-------|---------|------|---------------|-------------------------------|-----------------|-----------|-------|---------|------|
| 234737 | 2002 <i>LO</i> ₄₇ | 8 7.9 85°54 | 4.2°/11.5 | 18 | | | 255251 | 2005 <i>UR</i> ₅₁₁ | 8 7.9 261°98 | 0.1°/ 8.0 | 17 | | |
| 6 30 | 21 36.40 | -1 11.3 | 1.893 | 2.674 | 16.6 | 20.1 | 6 30 | 21 35.94 | -14 10.0 | 2.445 | 3.261 | 12.3 | 22.5 |
| 7 10 | 21 32.55 | -1 27.9 | 1.825 | 2.694 | 13.7 | 19.9 | 7 10 | 21 32.03 | -14 25.2 | 2.344 | 3.246 | 9.8 | 22.3 |
| 7 20 | 21 26.66 | -2 4.2 | 1.777 | 2.714 | 10.3 | 19.8 | 7 20 | 21 26.30 | -14 48.5 | 2.265 | 3.231 | 6.7 | 22.1 |
| 7 30 | 21 19.26 | -2 59.1 | 1.752 | 2.734 | 6.8 | 19.6 | 7 30 | 21 19.16 | -15 17.7 | 2.212 | 3.216 | 3.3 | 21.9 |
| 8 9 | 21 11.15 | -4 8.7 | 1.753 | 2.753 | 4.3 | 19.5 | 8 9 | 21 11.21 | -15 49.6 | 2.186 | 3.200 | 0.4 | 21.6 |
| 8 19 | 21 3.21 | -5 27.7 | 1.781 | 2.773 | 5.2 | 19.6 | 8 19 | 21 3.20 | -16 20.7 | 2.189 | 3.184 | 4.0 | 21.9 |
| 8 29 | 20 56.33 | -6 49.4 | 1.836 | 2.792 | 8.3 | 19.8 | 8 29 | 20 55.91 | -16 48.0 | 2.220 | 3.168 | 7.5 | 22.1 |
| 9 8 | 20 51.22 | -8 7.8 | 1.916 | 2.810 | 11.5 | 20.1 | 9 8 | 20 50.04 | -17 9.0 | 2.276 | 3.152 | 10.6 | 22.3 |
| 161504 | 2004 <i>RD</i> ₅₄ | 8 7.9 17°21 | 2.3°/ 6.2 | 18 | | | 429558 | 2011 <i>CB</i> ₇₅ | 8 7.9 177°94 | 0.7°/ 7.4 | 18 | | |
| 6 30 | 21 34.92 | -19 53.3 | 1.886 | 2.732 | 14.3 | 19.6 | 6 30 | 21 39.25 | -14 46.6 | 1.957 | 2.781 | 14.7 | 21.7 |
| 7 10 | 21 31.67 | -20 32.6 | 1.814 | 2.735 | 11.1 | 19.4 | 7 10 | 21 34.99 | -15 28.3 | 1.875 | 2.783 | 11.5 | 21.5 |
| 7 20 | 21 26.22 | -21 18.6 | 1.764 | 2.739 | 7.5 | 19.2 | 7 20 | 21 28.49 | -16 21.1 | 1.815 | 2.784 | 7.8 | 21.3 |
| 7 30 | 21 19.11 | -22 6.4 | 1.739 | 2.744 | 3.8 | 18.9 | 7 30 | 21 20.25 | -17 20.7 | 1.780 | 2.785 | 3.7 | 21.0 |
| 8 9 | 21 11.18 | -22 50.5 | 1.740 | 2.748 | 2.6 | 18.9 | 8 9 | 21 11.08 | -18 21.6 | 1.772 | 2.785 | 1.0 | 20.8 |
| 8 19 | 21 3.36 | -23 26.1 | 1.767 | 2.754 | 5.8 | 19.1 | 8 19 | 21 1.94 | -19 18.2 | 1.792 | 2.785 | 5.1 | 21.1 |
| 8 29 | 20 56.63 | -23 49.7 | 1.819 | 2.759 | 9.5 | 19.3 | 8 29 | 20 53.84 | -20 5.9 | 1.839 | 2.784 | 9.0 | 21.4 |
| 9 8 | 20 51.77 | -24 0.2 | 1.895 | 2.765 | 12.7 | 19.5 | 9 8 | 20 47.60 | -20 41.8 | 1.910 | 2.782 | 12.6 | 21.6 |
| 264906 | 2002 <i>TN</i> ₁₁₅ | 8 7.9 281°09 | 0.2°/ 7.8 | 18 | | | 25626 | 2000 <i>AD</i> ₅₀ | 8 7.9 32°19 | 3.0°/ 6.2 | 18 | | |
| 6 30 | 21 36.19 | -16 14.5 | 2.577 | 3.395 | 11.7 | 20.5 | 6 30 | 21 36.61 | -18 58.1 | 1.160 | 2.032 | 19.6 | 17.6 |
| 7 10 | 21 32.05 | -16 17.3 | 2.480 | 3.384 | 9.2 | 20.3 | 7 10 | 21 34.12 | -19 45.6 | 1.109 | 2.044 | 15.2 | 17.4 |
| 7 20 | 21 26.20 | -16 25.6 | 2.406 | 3.374 | 6.3 | 20.1 | 7 20 | 21 28.43 | -20 44.3 | 1.076 | 2.057 | 10.2 | 17.2 |
| 7 30 | 21 19.04 | -16 37.3 | 2.359 | 3.363 | 3.0 | 19.9 | 7 30 | 21 20.32 | -21 46.3 | 1.064 | 2.071 | 5.1 | 16.9 |
| 8 9 | 21 11.19 | -16 49.9 | 2.339 | 3.352 | 0.5 | 19.7 | 8 9 | 21 11.09 | -22 42.5 | 1.075 | 2.085 | 3.4 | 16.9 |
| 8 19 | 21 3.33 | -17 0.7 | 2.347 | 3.342 | 3.9 | 19.9 | 8 19 | 21 2.23 | -23 25.2 | 1.110 | 2.101 | 7.7 | 17.2 |
| 8 29 | 20 56.21 | -17 7.6 | 2.384 | 3.331 | 7.1 | 20.1 | 8 29 | 20 55.21 | -23 49.9 | 1.167 | 2.117 | 12.5 | 17.5 |
| 9 8 | 20 50.47 | -17 9.1 | 2.446 | 3.320 | 10.1 | 20.3 | 9 8 | 20 51.00 | -23 55.8 | 1.244 | 2.134 | 16.6 | 17.8 |
| 86867 | 2000 <i>HU</i> ₁₈ | 8 7.9 42°60 | 5.5°/ 4.7 | 18 | | | 5888 | Ruders | 8 7.9 296°02 | 0.2°/ 7.8 | 18 | | |
| 6 30 | 21 39.85 | -25 28.0 | 1.409 | 2.271 | 17.3 | 18.7 | 6 30 | 21 36.42 | -15 5.3 | 1.940 | 2.771 | 14.5 | 17.5 |
| 7 10 | 21 36.34 | -26 28.4 | 1.351 | 2.279 | 13.6 | 18.5 | 7 10 | 21 32.86 | -15 20.9 | 1.851 | 2.762 | 11.5 | 17.2 |
| 7 20 | 21 29.80 | -27 32.6 | 1.313 | 2.287 | 9.6 | 18.3 | 7 20 | 21 27.10 | -15 45.9 | 1.782 | 2.752 | 7.8 | 17.0 |
| 7 30 | 21 20.94 | -28 31.8 | 1.298 | 2.296 | 6.2 | 18.2 | 7 30 | 21 19.61 | -16 17.4 | 1.738 | 2.743 | 3.8 | 16.7 |
| 8 9 | 21 10.97 | -29 17.4 | 1.307 | 2.305 | 5.9 | 18.2 | 8 9 | 21 11.17 | -16 51.2 | 1.721 | 2.734 | 0.6 | 16.5 |
| 8 19 | 21 1.30 | -29 43.4 | 1.340 | 2.314 | 9.0 | 18.4 | 8 19 | 21 2.71 | -17 23.0 | 1.730 | 2.725 | 4.8 | 16.8 |
| 8 29 | 20 53.32 | -29 47.3 | 1.397 | 2.324 | 12.8 | 18.6 | 8 29 | 20 55.22 | -17 48.9 | 1.765 | 2.716 | 8.9 | 17.0 |
| 9 8 | 20 48.01 | -29 30.8 | 1.473 | 2.334 | 16.3 | 18.9 | 9 8 | 20 49.55 | -18 6.4 | 1.825 | 2.707 | 12.5 | 17.2 |
| 290702 | 2005 <i>UP</i> ₃₈₇ | 8 7.9 359°58 | 0.4°/ 8.2 | 18 | | | 522911 | 2016 <i>PZ</i> ₁₀₇ | 8 7.9 219°74 | 2.7°/ 5.9 | 18 | | |
| 6 30 | 21 35.17 | -13 53.2 | 1.912 | 2.743 | 14.7 | 20.7 | 6 30 | 21 39.57 | -21 0.3 | 2.094 | 2.927 | 13.5 | 21.7 |
| 7 10 | 21 31.79 | -13 59.6 | 1.832 | 2.742 | 11.6 | 20.5 | 7 10 | 21 35.23 | -21 44.5 | 2.007 | 2.920 | 10.6 | 21.5 |
| 7 20 | 21 26.28 | -14 15.8 | 1.772 | 2.741 | 8.0 | 20.3 | 7 20 | 21 28.67 | -22 34.7 | 1.942 | 2.913 | 7.2 | 21.3 |
| 7 30 | 21 19.15 | -14 39.1 | 1.737 | 2.741 | 3.9 | 20.0 | 7 30 | 21 20.36 | -23 26.2 | 1.902 | 2.905 | 3.9 | 21.1 |
| 8 9 | 21 11.18 | -15 5.9 | 1.727 | 2.741 | 0.5 | 19.8 | 8 9 | 21 11.09 | -24 13.1 | 1.890 | 2.897 | 2.9 | 21.0 |
| 8 19 | 21 3.28 | -15 32.3 | 1.745 | 2.741 | 4.6 | 20.1 | 8 19 | 21 1.79 | -24 50.7 | 1.906 | 2.888 | 5.9 | 21.2 |
| 8 29 | 20 56.41 | -15 54.7 | 1.788 | 2.742 | 8.6 | 20.3 | 8 29 | 20 53.49 | -25 15.6 | 1.948 | 2.879 | 9.5 | 21.4 |
| 9 8 | 20 51.32 | -16 10.5 | 1.855 | 2.744 | 12.1 | 20.6 | 9 8 | 20 47.02 | -25 26.6 | 2.014 | 2.869 | 12.7 | 21.6 |
| 234722 | 2002 <i>JU</i> ₁₂₇ | 8 7.9 142°44 | 5.7°/12.9 | 18 | | | 192488 | 1998 <i>HK</i> ₃₂ | 8 7.9 128°94 | 3.2°/ 5.7 | 17 | | |
| 6 30 | 21 36.04 | + 2 36.3 | 2.098 | 2.852 | 16.0 | 20.8 | 6 30 | 21 41.62 | -22 55.7 | 1.997 | 2.832 | 14.0 | 20.4 |
| 7 10 | 21 32.21 | + 2 44.5 | 2.015 | 2.859 | 13.6 | 20.6 | 7 10 | 21 36.74 | -23 36.5 | 1.929 | 2.843 | 10.9 | 20.2 |
| 7 20 | 21 26.45 | + 2 33.4 | 1.950 | 2.865 | 10.8 | 20.4 | 7 20 | 21 29.58 | -24 20.9 | 1.883 | 2.853 | 7.5 | 20.0 |
| 7 30 | 21 19.20 | + 2 2.2 | 1.909 | 2.871 | 7.9 | 20.3 | 7 30 | 21 20.73 | -25 3.7 | 1.862 | 2.863 | 4.2 | 19.8 |
| 8 9 | 21 11.18 | + 1 12.6 | 1.892 | 2.877 | 6.0 | 20.1 | 8 9 | 21 11.06 | -25 39.2 | 1.869 | 2.873 | 3.5 | 19.8 |
| 8 19 | 21 3.21 | + 0 8.2 | 1.903 | 2.882 | 6.2 | 20.2 | 8 19 | 21 1.59 | -26 3.2 | 1.903 | 2.882 | 6.3 | 20.0 |
| 8 29 | 20 56.12 | -1 5.7 | 1.940 | 2.887 | 8.5 | 20.3 | 8 29 | 20 53.33 | -26 13.5 | 1.963 | 2.891 | 9.6 | 20.2 |
| 9 8 | 20 50.64 | -2 22.7 | 2.002 | 2.892 | 11.3 | 20.5 | 9 8 | 20 47.05 | -26 10.1 | 2.047 | 2.899 | 12.7 | 20.4 |
| 338652 | 2003 <i>SG</i> ₃₃₀ | 8 7.9 264°26 | 1.9°/ 6.5 | 18 | | | 175274 | 2005 <i>JA</i> ₁₅₉ | 8 7.9 154°84 | 2.1°/ 6.5 | 17 | | |
| 6 30 | 21 40.35 | -19 51.0 | 2.179 | 3.007 | 13.3 | 22.5 | 6 30 | 21 40.48 | -17 53.1 | 1.638 | 2.479 | 16.3 | 20.9 |
| 7 10 | 21 35.88 | -20 18.0 | 2.073 | 2.983 | 10.5 | 22.2 | 7 10 | 21 36.40 | -18 39.8 | 1.565 | 2.483 | 12.8 | 20.7 |
| 7 20 | 21 29.17 | -20 50.5 | 1.989 | 2.959 | 7.2 | 22.0 | 7 20 | 21 29.68 | -19 36.7 | 1.513 | 2.487 | 8.6 | 20.5 |
| 7 30 | 21 20.64 | -21 25.3 | 1.930 | 2.934 | 3.6 | 21.7 | 7 30 | 21 20.90 | -20 38.1 | 1.485 | 2.490 | 4.2 | 20.2 |
| 8 9 | 21 11.01 | -21 57.6 | 1.898 | 2.908 | 2.2 | 21.6 | 8 9 | 21 11.04 | -21 36.9 | 1.482 | 2.493 | 2.4 | 20.1 |
| 8 19 | 21 1.20 | -22 23.0 | 1.895 | 2.882 | 5.5 | 21.7 | 8 19 | 21 1.29 | -22 26.6 | 1.507 | 2.496 | 6.3 | 20.4 |
| 8 29 | 20 52.25 | -22 38.4 | 1.919 | 2.856 | 9.2 | 21.9 | 8 29 | 20 52.86 | -23 2.6 | 1.556 | 2.498 | 10.6 | 20.6 |
| 9 8 | 20 45.05 | -22 42.3 | 1.967 | 2.829 | 12.7 | 22.1 | 9 8 | 20 46.71 | -23 23.2 | 1.628 | 2.500 | 14.4 | 20.9 |
| 444119 | 2004 <i>TJ</i> ₁₆₃ | 8 7.9 313°73 | 4.1°/11.4 | 15 | | | 251339 | 2007 <i>EC</i> ₂₀₂ | 8 7.9 251°63 | 3.7°/ 4.9 | 18 | | |
| 6 30 | 21 32.91 | -2 19.8 | 2.238 | 3.020 | 14.4 | 21.1 | 6 30 | 21 38.59 | -26 14.6 | 2.363 | 3.198 | 12.1 | 20.5 |
| 7 10 | 21 29.73 | -2 12.5 | 2.145 | 3.013 | 11.9 | 20.9 | 7 10 | 21 34.21 | -26 50.5 | 2.280 | 3.192 | 9.5 | 20.3 |
| 7 20 | 21 24.77 | -2 20.5 | 2.071 | 3.007 | 9.1 | 20.7 | 7 20 | 21 27.81 | -27 27.6 | 2.219 | 3.186 | 6.7 | 20.2 |
| 7 30 | 21 18.41 | -2 43.8 | 2.021 | 3.000 | 6.2 | 20.5 | 7 30 | 21 19.89 | -28 1.2 | 2.184 | 3.180 | 4.3 | 20.0 |
| 8 9 | 21 11.29 | -3 20.6 | 1.996 | 2.994 | 4.2 | 20.4 | 8 9 | 21 11.17 | -28 26.6 | 2.177 | 3.174 | 4.0 | 20.0 |
| 8 19 | 21 4.14 | -4 8.0 | 1.999 | 2.988 | 5.0 | 20.4 | 8 19 | 21 2.51 | -28 40.3 | 2.197 | 3.168 | 6.2 | 20.1 |
| 8 29 | 20 57.74 | -5 1.6 | 2.028 | 2.982 | 7.7 | 20.6 | 8 29 | 20 54.79 | -28 40.6 | 2.244 | 3.161 | 9.1 | 20.3 |
| 9 8 | 20 52.79 | -5 56.6 | 2.082 | 2.976 | 10.7 | 20.7 | 9 8 | 20 48.75 | -28 27.6 | 2.314 | 3.155 | 11.8 | 20.4 |
| 392819 | 2012 <i>TY</i> ₂₉₀ | 8 7.9 185°87 | 5.9°/ 2.7 | 18 | | | 341197 | 2007 <i>RS</i> ₇₀ | 8 7.9 311°79 | 7.0°/ 4.1 | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|----------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 220671 | 2004 <i>RK</i> ₂₀₁ | | 8 7.9 292°23 | 2.5/ 6.3 | 18 | | 137504 | 1999 <i>VO</i> ₂₁ | | 8 7.9 347°61 | 17°8/17.2 | 16 | |
| 6 30 | 21 39.71 | -23 10.6 | 2.281 | 3.112 | 12.6 | 20.1 | 6 30 | 21 17.35 | + 7 20.2 | 0.831 | 1.678 | 27.5 | 18.8 |
| 7 10 | 21 35.20 | -23 21.4 | 2.182 | 3.094 | 9.9 | 19.9 | 7 10 | 21 19.82 | + 9 52.8 | 0.765 | 1.655 | 25.2 | 18.5 |
| 7 20 | 21 28.58 | -23 34.4 | 2.105 | 3.075 | 6.8 | 19.7 | 7 20 | 21 19.33 | +11 57.4 | 0.710 | 1.634 | 22.6 | 18.2 |
| 7 30 | 21 20.31 | -23 45.8 | 2.054 | 3.056 | 3.7 | 19.4 | 7 30 | 21 16.27 | +13 20.6 | 0.669 | 1.617 | 20.1 | 18.0 |
| 8 9 | 21 11.13 | -23 51.7 | 2.030 | 3.037 | 2.7 | 19.3 | 8 9 | 21 11.62 | +13 52.2 | 0.641 | 1.602 | 18.3 | 17.8 |
| 8 19 | 21 1.92 | -23 49.2 | 2.034 | 3.018 | 5.5 | 19.5 | 8 19 | 21 6.79 | +13 27.3 | 0.628 | 1.591 | 17.8 | 17.7 |
| 8 29 | 20 53.62 | -23 36.5 | 2.066 | 3.000 | 8.8 | 19.7 | 8 29 | 21 3.49 | +12 10.2 | 0.629 | 1.584 | 18.9 | 17.8 |
| 9 8 | 20 47.03 | -23 13.5 | 2.121 | 2.981 | 12.0 | 19.8 | 9 8 | 21 3.17 | +10 15.1 | 0.644 | 1.581 | 21.2 | 17.9 |
| 390455 | 2013 <i>YO</i> ₉₂ | | 8 7.9 292°79 | 4.9/ 3.7 | 18 | | 158762 | 2003 <i>RS</i> | | 8 7.9 296°28 | 6°7/13.4 | 18 | |
| 6 30 | 21 35.80 | -22 28.3 | 1.680 | 2.535 | 15.3 | 20.0 | 6 30 | 21 34.46 | + 4 30.6 | 2.430 | 3.165 | 14.6 | 19.0 |
| 7 10 | 21 33.02 | -24 7.0 | 1.598 | 2.524 | 12.0 | 19.8 | 7 10 | 21 30.84 | + 5 16.2 | 2.333 | 3.157 | 12.6 | 18.9 |
| 7 20 | 21 27.62 | -25 56.2 | 1.537 | 2.512 | 8.4 | 19.5 | 7 20 | 21 25.49 | + 5 46.4 | 2.255 | 3.149 | 10.4 | 18.7 |
| 7 30 | 21 20.03 | -27 47.6 | 1.501 | 2.500 | 5.4 | 19.3 | 7 30 | 21 18.80 | + 5 59.2 | 2.200 | 3.142 | 8.3 | 18.6 |
| 8 9 | 21 11.15 | -29 31.0 | 1.492 | 2.488 | 5.5 | 19.3 | 8 9 | 21 11.36 | + 5 54.0 | 2.170 | 3.134 | 6.9 | 18.5 |
| 8 19 | 21 2.11 | -30 57.3 | 1.508 | 2.477 | 8.7 | 19.5 | 8 19 | 21 3.85 | + 5 32.1 | 2.166 | 3.127 | 7.0 | 18.5 |
| 8 29 | 20 54.21 | -32 0.5 | 1.549 | 2.466 | 12.5 | 19.7 | 8 29 | 20 57.04 | + 4 56.3 | 2.187 | 3.119 | 8.5 | 18.6 |
| 9 8 | 20 48.52 | -32 38.9 | 1.611 | 2.454 | 15.9 | 19.9 | 9 8 | 20 51.58 | + 4 11.1 | 2.234 | 3.112 | 10.7 | 18.7 |
| 21816 | 1999 <i>TE</i> ₃₁ | | 8 7.9 266°35 | 7°6/ 2.9 | 18 | | 511241 | 2014 <i>BR</i> ₂₉ | | 8 7.9 200°62 | 1°4/ 8.8 | 18 | |
| 6 30 | 21 45.29 | -34 49.9 | 1.907 | 2.744 | 14.5 | 18.2 | 6 30 | 21 41.25 | -11 57.0 | 2.172 | 2.977 | 14.0 | 21.8 |
| 7 10 | 21 40.27 | -35 42.8 | 1.828 | 2.732 | 11.9 | 18.0 | 7 10 | 21 36.30 | -11 46.1 | 2.081 | 2.974 | 11.2 | 21.6 |
| 7 20 | 21 32.38 | -36 31.5 | 1.770 | 2.720 | 9.4 | 17.8 | 7 20 | 21 29.28 | -11 43.9 | 2.011 | 2.970 | 7.9 | 21.3 |
| 7 30 | 21 22.24 | -37 7.9 | 1.736 | 2.708 | 7.7 | 17.7 | 7 30 | 21 20.66 | -11 49.0 | 1.967 | 2.966 | 4.2 | 21.1 |
| 8 9 | 21 10.90 | -37 24.9 | 1.727 | 2.696 | 8.0 | 17.7 | 8 9 | 21 11.18 | -11 58.9 | 1.950 | 2.962 | 1.4 | 20.9 |
| 8 19 | 20 59.68 | -37 18.2 | 1.744 | 2.683 | 10.0 | 17.8 | 8 19 | 21 1.73 | -12 10.9 | 1.961 | 2.957 | 4.3 | 21.1 |
| 8 29 | 20 49.90 | -36 47.2 | 1.784 | 2.671 | 12.7 | 17.9 | 8 29 | 20 53.22 | -12 22.3 | 2.001 | 2.952 | 8.0 | 21.3 |
| 9 8 | 20 42.61 | -35 55.1 | 1.846 | 2.658 | 15.5 | 18.1 | 9 8 | 20 46.42 | -12 30.8 | 2.065 | 2.946 | 11.4 | 21.5 |
| 476529 | 2008 <i>GJ</i> ₁₁₇ | | 8 7.9 180°48 | 9°7/28.9 | 18 | | 62821 | 2000 <i>UE</i> ₄₇ | | 8 7.9 266°46 | 1°0/ 8.6 | 18 | |
| 6 30 | 21 44.45 | -46 5.7 | 2.436 | 3.244 | 12.6 | 21.4 | 6 30 | 21 37.30 | -11 37.4 | 1.776 | 2.601 | 15.9 | 19.6 |
| 7 10 | 21 39.38 | -47 34.6 | 2.382 | 3.244 | 11.1 | 21.3 | 7 10 | 21 33.70 | -11 49.5 | 1.693 | 2.599 | 12.7 | 19.4 |
| 7 20 | 21 31.64 | -48 53.3 | 2.351 | 3.245 | 10.0 | 21.3 | 7 20 | 21 27.76 | -12 14.5 | 1.631 | 2.596 | 8.8 | 19.1 |
| 7 30 | 21 21.82 | -49 53.7 | 2.343 | 3.245 | 9.7 | 21.2 | 7 30 | 21 20.00 | -12 49.8 | 1.592 | 2.594 | 4.5 | 18.9 |
| 8 9 | 21 10.96 | -50 30.0 | 2.359 | 3.245 | 10.2 | 21.3 | 8 9 | 21 11.26 | -13 31.3 | 1.579 | 2.592 | 1.0 | 18.6 |
| 8 19 | 21 0.25 | -50 39.1 | 2.398 | 3.244 | 11.4 | 21.4 | 8 19 | 21 2.54 | -14 14.0 | 1.592 | 2.589 | 4.9 | 18.9 |
| 8 29 | 20 50.93 | -50 21.4 | 2.459 | 3.244 | 12.9 | 21.5 | 8 29 | 20 54.90 | -14 53.3 | 1.632 | 2.587 | 9.1 | 19.1 |
| 9 8 | 20 43.95 | -49 40.3 | 2.538 | 3.243 | 14.4 | 21.6 | 9 8 | 20 49.22 | -15 25.3 | 1.695 | 2.585 | 12.9 | 19.4 |
| 151028 | 2001 <i>UM</i> ₁₄₆ | | 8 7.9 285°22 | 0°8/ 8.6 | 18 | | 186704 | 2004 <i>BO</i> ₅₉ | | 8 7.9 250°72 | 1°3/ 8.8 | 18 | |
| 6 30 | 21 35.55 | -12 0.0 | 2.084 | 2.904 | 14.1 | 21.0 | 6 30 | 21 38.85 | -10 18.0 | 1.789 | 2.606 | 16.1 | 21.4 |
| 7 10 | 21 32.07 | -12 11.9 | 1.985 | 2.888 | 11.2 | 20.8 | 7 10 | 21 35.10 | -10 36.2 | 1.690 | 2.590 | 13.0 | 21.2 |
| 7 20 | 21 26.54 | -12 34.9 | 1.907 | 2.872 | 7.8 | 20.5 | 7 20 | 21 28.89 | -11 9.4 | 1.611 | 2.574 | 9.2 | 20.9 |
| 7 30 | 21 19.37 | -13 6.9 | 1.854 | 2.856 | 4.0 | 20.3 | 7 30 | 21 20.64 | -11 55.4 | 1.556 | 2.557 | 4.8 | 20.6 |
| 8 9 | 21 11.25 | -13 44.4 | 1.827 | 2.840 | 0.9 | 20.0 | 8 9 | 21 11.17 | -12 49.9 | 1.527 | 2.540 | 1.3 | 20.3 |
| 8 19 | 21 3.03 | -14 23.3 | 1.828 | 2.825 | 4.4 | 20.3 | 8 19 | 21 1.51 | -13 47.5 | 1.525 | 2.522 | 5.1 | 20.5 |
| 8 29 | 20 55.65 | -14 59.6 | 1.855 | 2.809 | 8.4 | 20.5 | 8 29 | 20 52.82 | -14 42.3 | 1.549 | 2.503 | 9.6 | 20.8 |
| 9 8 | 20 49.91 | -15 29.8 | 1.907 | 2.793 | 11.9 | 20.7 | 9 8 | 20 46.11 | -15 29.6 | 1.597 | 2.485 | 13.7 | 21.0 |
| 483309 | 2015 <i>VC</i> ₆₂ | | 8 7.9 350°21 | 6°8/ 2.9 | 16 | | 432868 | 2011 <i>HE</i> ₁₀₂ | | 8 7.9 344°04 | 3°7/10.8 | 16 | |
| 6 30 | 21 35.23 | -30 37.6 | 1.721 | 2.582 | 14.7 | 20.3 | 6 30 | 21 33.31 | - 3 36.4 | 1.586 | 2.398 | 18.0 | 21.4 |
| 7 10 | 21 32.49 | -31 43.9 | 1.651 | 2.575 | 11.9 | 20.1 | 7 10 | 21 30.84 | - 3 55.5 | 1.504 | 2.395 | 14.8 | 21.2 |
| 7 20 | 21 27.12 | -32 49.8 | 1.603 | 2.568 | 9.0 | 19.9 | 7 20 | 21 25.97 | - 4 36.9 | 1.440 | 2.392 | 11.0 | 21.0 |
| 7 30 | 21 19.71 | -33 47.3 | 1.578 | 2.563 | 7.0 | 19.8 | 7 30 | 21 19.19 | - 5 39.7 | 1.398 | 2.389 | 6.9 | 20.7 |
| 8 9 | 21 11.22 | -34 28.9 | 1.577 | 2.558 | 7.3 | 19.8 | 8 9 | 21 11.35 | - 6 59.4 | 1.381 | 2.387 | 3.8 | 20.5 |
| 8 19 | 21 2.83 | -34 49.4 | 1.601 | 2.555 | 9.6 | 19.9 | 8 19 | 21 3.48 | - 8 29.4 | 1.389 | 2.385 | 5.5 | 20.6 |
| 8 29 | 20 55.76 | -34 46.8 | 1.647 | 2.552 | 12.6 | 20.1 | 8 29 | 20 56.71 | -10 1.3 | 1.422 | 2.384 | 9.6 | 20.9 |
| 9 8 | 20 50.95 | -34 22.4 | 1.714 | 2.550 | 15.5 | 20.3 | 9 8 | 20 51.96 | -11 27.3 | 1.479 | 2.383 | 13.6 | 21.1 |
| 387754 | 2003 <i>SZ</i> ₃₇ | | 8 7.9 324°52 | 6°2/10.9 | 18 | | 92558 | 2000 <i>OD</i> ₄₃ | | 8 7.9 320°46 | 3°9/10.5 | 18 | |
| 6 30 | 21 38.68 | - 3 23.0 | 1.671 | 2.467 | 17.9 | 20.4 | 6 30 | 21 30.09 | - 5 0.5 | 1.357 | 2.192 | 19.3 | 19.2 |
| 7 10 | 21 34.94 | - 2 18.8 | 1.583 | 2.459 | 15.0 | 20.2 | 7 10 | 21 28.99 | - 5 5.8 | 1.257 | 2.163 | 16.1 | 18.9 |
| 7 20 | 21 28.70 | - 1 28.9 | 1.514 | 2.451 | 11.7 | 20.0 | 7 20 | 21 25.19 | - 5 34.8 | 1.174 | 2.135 | 12.0 | 18.6 |
| 7 30 | 21 20.48 | - 0 55.5 | 1.467 | 2.444 | 8.4 | 19.8 | 7 30 | 21 19.04 | - 6 28.7 | 1.111 | 2.107 | 7.5 | 18.3 |
| 8 9 | 21 11.13 | - 0 39.6 | 1.444 | 2.437 | 6.3 | 19.6 | 8 9 | 21 11.35 | - 7 44.4 | 1.071 | 2.080 | 4.0 | 18.0 |
| 8 19 | 21 1.72 | - 0 39.9 | 1.446 | 2.430 | 7.3 | 19.7 | 8 19 | 21 3.28 | - 9 15.3 | 1.054 | 2.054 | 6.3 | 18.1 |
| 8 29 | 20 53.42 | - 0 53.4 | 1.473 | 2.424 | 10.4 | 19.8 | 8 29 | 20 56.26 | -10 52.0 | 1.061 | 2.028 | 11.3 | 18.3 |
| 9 8 | 20 47.18 | - 1 15.1 | 1.523 | 2.418 | 13.9 | 20.0 | 9 8 | 20 51.56 | -12 24.3 | 1.088 | 2.004 | 16.3 | 18.5 |
| 97154 | 1999 <i>VA</i> ₁₆₂ | | 8 7.9 118°37 | 6°8/ 2.7 | 18 | | 501626 | 2014 <i>SZ</i> ₁₇₁ | | 8 7.9 154°59 | 0°0/ 7.8 | 17 | |
| 6 30 | 21 44.32 | -34 2.9 | 2.116 | 2.949 | 13.4 | 19.5 | 6 30 | 21 41.01 | -13 19.4 | 1.425 | 2.263 | 18.4 | 22.2 |
| 7 10 | 21 38.93 | -35 9.0 | 2.060 | 2.963 | 10.9 | 19.3 | 7 10 | 21 37.17 | -13 46.7 | 1.353 | 2.267 | 14.6 | 22.0 |
| 7 20 | 21 31.10 | -36 10.8 | 2.027 | 2.977 | 8.5 | 19.2 | 7 20 | 21 30.42 | -14 29.1 | 1.299 | 2.270 | 10.0 | 21.7 |
| 7 30 | 21 21.48 | -37 1.0 | 2.019 | 2.990 | 6.9 | 19.1 | 7 30 | 21 21.37 | -15 22.3 | 1.268 | 2.273 | 4.8 | 21.4 |
| 8 9 | 21 11.03 | -37 33.5 | 2.037 | 3.003 | 7.2 | 19.2 | 8 9 | 21 11.10 | -16 19.5 | 1.262 | 2.276 | 0.6 | 21.1 |
| 8 19 | 21 0.87 | -37 45.0 | 2.082 | 3.015 | 8.9 | 19.3 | 8 19 | 21 0.94 | -17 13.8 | 1.282 | 2.278 | 6.0 | 21.5 |
| 8 29 | 20 52.08 | -37 34.9 | 2.151 | 3.027 | 11.3 | 19.5 | 8 29 | 20 52.24 | -17 59.1 | 1.326 | 2.280 | 10.9 | 21.8 |
| 9 8 | 20 45.46 | -37 6.0 | 2.242 | 3.039 | 13.5 | 19.6 | 9 8 | 20 46.07 | -18 31.8 | 1.392 | 2.282 | 15.3 | 22.1 |
| 317925 | 2003 <i>UE</i> ₃₄₅ | | 8 7.9 215°29 | 1°6/ 8.9 | 17 | | 260181 | 2004 <i>RS</i> ₁₂₅ | | | | | |

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------------|-----------------|------------------|-------|---------|------|---------------|-------------------------------|-----------------|--------------|-------|---------|------|
| 56087 | 1999 <i>AH</i> ₂₂ | 8 7.9 306°27 | 1.3°/ 8.7 18 | | | | 37601 | Vicjen | 8 7.9 133°47 | 13°5/29.6 18 | | | |
| 6 30 | 21 35.12 | -11 16.8 | 1.438 | 2.281 | 18.1 | 18.9 | 6 30 | 22 2.09 | -51 15.8 | 1.853 | 2.641 | 16.7 | 18.7 |
| 7 10 | 21 32.85 | -11 23.8 | 1.340 | 2.255 | 14.6 | 18.6 | 7 10 | 21 54.38 | -53 2.0 | 1.820 | 2.657 | 15.1 | 18.7 |
| 7 20 | 21 27.76 | -11 47.2 | 1.260 | 2.230 | 10.4 | 18.3 | 7 20 | 21 42.40 | -54 30.1 | 1.807 | 2.673 | 13.9 | 18.6 |
| 7 30 | 21 20.26 | -12 25.2 | 1.202 | 2.205 | 5.5 | 18.0 | 7 30 | 21 27.16 | -55 28.0 | 1.815 | 2.687 | 13.5 | 18.6 |
| 8 9 | 21 11.22 | -13 13.6 | 1.168 | 2.181 | 1.3 | 17.6 | 8 9 | 21 10.55 | -55 47.6 | 1.844 | 2.701 | 13.9 | 18.7 |
| 8 19 | 21 1.86 | -14 6.1 | 1.158 | 2.157 | 5.9 | 17.9 | 8 19 | 20 54.76 | -55 26.8 | 1.895 | 2.714 | 15.1 | 18.8 |
| 8 29 | 20 53.62 | -14 56.0 | 1.172 | 2.133 | 11.2 | 18.1 | 8 29 | 20 41.80 | -54 29.9 | 1.965 | 2.726 | 16.5 | 18.9 |
| 9 8 | 20 47.73 | -15 37.4 | 1.207 | 2.110 | 16.1 | 18.3 | 9 8 | 20 32.81 | -53 5.3 | 2.052 | 2.737 | 17.9 | 19.1 |
| 448382 | 2009 <i>OD</i> | 8 7.9 | 0°55 2°5/ 9.2 18 | | | | 388657 | 2007 <i>TE</i> ₂₇₀ | 8 7.9 349°41 | 3°5/10.3 18 | | | |
| 6 30 | 21 37.01 | -11 36.6 | 1.649 | 2.480 | 16.7 | 20.1 | 6 30 | 21 35.87 | -6 33.1 | 1.755 | 2.566 | 16.6 | 20.7 |
| 7 10 | 21 33.56 | -10 56.3 | 1.571 | 2.478 | 13.4 | 19.9 | 7 10 | 21 32.58 | -6 16.9 | 1.672 | 2.564 | 13.6 | 20.4 |
| 7 20 | 21 27.69 | -10 25.7 | 1.513 | 2.477 | 9.5 | 19.7 | 7 20 | 21 27.02 | -6 15.8 | 1.609 | 2.562 | 10.0 | 20.2 |
| 7 30 | 21 19.96 | -10 4.4 | 1.478 | 2.477 | 5.4 | 19.5 | 7 30 | 21 19.68 | -6 29.5 | 1.568 | 2.560 | 6.2 | 20.0 |
| 8 9 | 21 11.29 | -9 51.0 | 1.467 | 2.478 | 2.5 | 19.3 | 8 9 | 21 11.39 | -6 55.6 | 1.553 | 2.559 | 3.6 | 19.8 |
| 8 19 | 21 2.72 | -9 43.3 | 1.482 | 2.479 | 5.2 | 19.5 | 8 19 | 21 3.12 | -7 30.5 | 1.563 | 2.558 | 5.3 | 19.9 |
| 8 29 | 20 55.36 | -9 38.7 | 1.523 | 2.482 | 9.3 | 19.7 | 8 29 | 20 55.91 | -8 9.5 | 1.599 | 2.557 | 9.0 | 20.2 |
| 9 8 | 20 50.07 | -9 34.5 | 1.586 | 2.486 | 13.1 | 19.9 | 9 8 | 20 50.60 | -8 47.7 | 1.658 | 2.557 | 12.7 | 20.4 |
| 56241 | 1999 <i>JU</i> ₅₃ | 8 7.9 69°27 | 9°3/ 1.0 18 | | | | 473313 | 2015 <i>RD</i> ₁₀₅ | 8 7.9 346°91 | 4°9/11.8 18 | | | |
| 6 30 | 21 42.16 | -35 15.4 | 1.613 | 2.466 | 16.0 | 17.9 | 6 30 | 21 32.55 | -1 25.5 | 1.929 | 2.717 | 16.1 | 20.8 |
| 7 10 | 21 38.21 | -37 0.5 | 1.564 | 2.476 | 13.2 | 17.7 | 7 10 | 21 29.80 | -1 13.9 | 1.841 | 2.713 | 13.5 | 20.6 |
| 7 20 | 21 31.16 | -38 40.8 | 1.537 | 2.486 | 10.7 | 17.6 | 7 20 | 21 25.04 | -1 20.2 | 1.773 | 2.709 | 10.4 | 20.4 |
| 7 30 | 21 21.71 | -40 5.2 | 1.532 | 2.496 | 9.4 | 17.5 | 7 30 | 21 18.71 | -1 44.8 | 1.727 | 2.705 | 7.2 | 20.2 |
| 8 9 | 21 11.09 | -41 4.5 | 1.551 | 2.506 | 9.9 | 17.6 | 8 9 | 21 11.52 | -2 26.0 | 1.706 | 2.702 | 5.0 | 20.0 |
| 8 19 | 21 0.75 | -41 33.4 | 1.594 | 2.516 | 12.0 | 17.7 | 8 19 | 21 4.31 | -3 20.2 | 1.711 | 2.700 | 5.7 | 20.1 |
| 8 29 | 20 52.13 | -41 31.5 | 1.659 | 2.527 | 14.5 | 17.9 | 8 29 | 20 58.00 | -4 22.1 | 1.741 | 2.698 | 8.6 | 20.2 |
| 9 8 | 20 46.26 | -41 3.0 | 1.743 | 2.537 | 16.9 | 18.1 | 9 8 | 20 53.33 | -5 25.8 | 1.796 | 2.696 | 11.8 | 20.4 |
| 512532 | 2016 <i>RW</i> ₄₄ | 8 7.9 21°53 | 0°8/ 7.4 18 | | | | 374807 | 2006 <i>UB</i> ₃₉ | 8 7.9 47°48 | 5°8/ 4.9 17 | | | |
| 6 30 | 21 36.65 | -15 57.8 | 1.830 | 2.666 | 15.0 | 21.3 | 6 30 | 21 41.91 | -26 14.8 | 1.342 | 2.205 | 18.0 | 20.7 |
| 7 10 | 21 33.11 | -16 24.9 | 1.753 | 2.668 | 11.8 | 21.1 | 7 10 | 21 38.15 | -27 8.6 | 1.286 | 2.213 | 14.2 | 20.5 |
| 7 20 | 21 27.31 | -17 1.7 | 1.697 | 2.669 | 8.0 | 20.8 | 7 20 | 21 31.18 | -28 5.0 | 1.249 | 2.222 | 10.0 | 20.3 |
| 7 30 | 21 19.76 | -17 44.3 | 1.665 | 2.671 | 3.8 | 20.6 | 7 30 | 21 21.75 | -28 55.1 | 1.234 | 2.231 | 6.5 | 20.1 |
| 8 9 | 21 11.32 | -18 27.6 | 1.660 | 2.673 | 1.1 | 20.4 | 8 9 | 21 11.18 | -29 30.2 | 1.243 | 2.241 | 6.1 | 20.1 |
| 8 19 | 21 2.95 | -19 6.7 | 1.681 | 2.675 | 5.2 | 20.7 | 8 19 | 21 0.97 | -29 44.8 | 1.276 | 2.251 | 9.2 | 20.3 |
| 8 29 | 20 55.68 | -19 37.4 | 1.728 | 2.677 | 9.2 | 20.9 | 8 29 | 20 52.60 | -29 37.0 | 1.332 | 2.261 | 13.1 | 20.6 |
| 9 8 | 20 50.34 | -19 57.4 | 1.798 | 2.679 | 12.8 | 21.2 | 9 8 | 20 47.08 | -29 9.3 | 1.409 | 2.271 | 16.7 | 20.8 |
| 435823 | 2008 <i>WC</i> ₆₁ | 8 7.9 181°41 | 10°4/28.9 18 | | | | 73925 | 1997 <i>MS</i> ₆ | 8 7.9 299°95 | 4°5/ 4.3 18 | | | |
| 6 30 | 21 42.67 | -40 41.0 | 1.916 | 2.752 | 14.5 | 20.5 | 6 30 | 21 36.53 | -23 29.0 | 1.805 | 2.656 | 14.6 | 19.6 |
| 7 10 | 21 38.61 | -42 44.0 | 1.861 | 2.752 | 12.4 | 20.4 | 7 10 | 21 33.35 | -24 47.0 | 1.727 | 2.650 | 11.4 | 19.4 |
| 7 20 | 21 31.52 | -44 39.9 | 1.829 | 2.752 | 10.9 | 20.3 | 7 20 | 21 27.70 | -26 11.8 | 1.671 | 2.644 | 8.0 | 19.2 |
| 7 30 | 21 21.97 | -46 17.9 | 1.821 | 2.752 | 10.4 | 20.3 | 7 30 | 21 20.08 | -27 36.3 | 1.640 | 2.638 | 5.1 | 19.0 |
| 8 9 | 21 11.06 | -47 29.0 | 1.837 | 2.752 | 11.1 | 20.3 | 8 9 | 21 11.37 | -28 52.3 | 1.635 | 2.632 | 5.0 | 19.0 |
| 8 19 | 21 0.19 | -48 8.0 | 1.875 | 2.751 | 12.8 | 20.4 | 8 19 | 21 2.62 | -29 52.8 | 1.656 | 2.627 | 7.9 | 19.1 |
| 8 29 | 20 50.82 | -48 14.5 | 1.935 | 2.751 | 14.8 | 20.6 | 8 29 | 20 55.00 | -30 33.6 | 1.702 | 2.621 | 11.4 | 19.3 |
| 9 8 | 20 44.09 | -47 52.2 | 2.013 | 2.751 | 16.8 | 20.7 | 9 8 | 20 49.44 | -30 53.6 | 1.770 | 2.616 | 14.6 | 19.5 |
| 325420 | 2009 <i>MK</i> ₁ | 8 7.9 32°12 | 0°0/ 7.9 17 | | | | 236323 | 2006 <i>BF</i> ₈₁ | 8 7.9 234°81 | 3°9/ 5.6 18 | | | |
| 6 30 | 21 38.19 | -15 6.9 | 1.107 | 1.973 | 20.8 | 20.4 | 6 30 | 21 44.79 | -26 1.4 | 2.028 | 2.860 | 13.9 | 21.4 |
| 7 10 | 21 35.41 | -15 10.1 | 1.055 | 1.985 | 16.3 | 20.2 | 7 10 | 21 39.49 | -26 25.5 | 1.940 | 2.850 | 11.0 | 21.2 |
| 7 20 | 21 29.36 | -15 27.0 | 1.020 | 1.998 | 11.1 | 19.9 | 7 20 | 21 31.69 | -26 50.7 | 1.873 | 2.840 | 7.8 | 21.0 |
| 7 30 | 21 20.85 | -15 53.3 | 1.005 | 2.012 | 5.3 | 19.7 | 7 30 | 21 21.95 | -27 11.5 | 1.832 | 2.829 | 4.8 | 20.8 |
| 8 9 | 21 11.22 | -16 22.4 | 1.013 | 2.027 | 0.6 | 19.4 | 8 9 | 21 11.16 | -27 22.7 | 1.817 | 2.818 | 4.1 | 20.7 |
| 8 19 | 21 2.01 | -16 48.3 | 1.044 | 2.043 | 6.5 | 19.8 | 8 19 | 21 0.43 | -27 20.6 | 1.831 | 2.806 | 6.8 | 20.9 |
| 8 29 | 20 54.69 | -17 5.9 | 1.098 | 2.059 | 11.8 | 20.2 | 8 29 | 20 50.88 | -27 3.7 | 1.870 | 2.794 | 10.2 | 21.0 |
| 9 8 | 20 50.25 | -17 12.8 | 1.171 | 2.077 | 16.3 | 20.5 | 9 8 | 20 43.43 | -26 33.0 | 1.934 | 2.782 | 13.5 | 21.2 |
| 349655 | 2008 <i>VD</i> ₇ | 8 7.9 325°46 | 3°9/ 9.7 16 | | | | 262073 | 2006 <i>RW</i> ₅₃ | 8 7.9 247°87 | 1°4/ 6.9 18 | | | |
| 6 30 | 21 32.35 | -9 11.0 | 1.271 | 2.122 | 19.5 | 21.1 | 6 30 | 21 37.03 | -18 6.9 | 2.129 | 2.960 | 13.4 | 21.2 |
| 7 10 | 21 31.06 | -8 34.0 | 1.170 | 2.087 | 16.1 | 20.8 | 7 10 | 21 33.17 | -18 37.5 | 2.044 | 2.956 | 10.5 | 21.0 |
| 7 20 | 21 26.81 | -8 11.3 | 1.085 | 2.053 | 12.0 | 20.5 | 7 20 | 21 27.26 | -19 15.2 | 1.981 | 2.952 | 7.1 | 20.8 |
| 7 30 | 21 19.93 | -8 4.2 | 1.021 | 2.020 | 7.3 | 20.1 | 7 30 | 21 19.76 | -19 56.3 | 1.943 | 2.948 | 3.4 | 20.5 |
| 8 9 | 21 11.28 | -8 11.8 | 0.978 | 1.987 | 3.9 | 19.8 | 8 9 | 21 11.42 | -20 36.1 | 1.932 | 2.943 | 1.7 | 20.4 |
| 8 19 | 21 2.16 | -8 31.1 | 0.958 | 1.956 | 6.9 | 19.9 | 8 19 | 21 3.09 | -21 10.3 | 1.949 | 2.939 | 5.0 | 20.6 |
| 8 29 | 20 54.15 | -8 57.0 | 0.959 | 1.927 | 12.2 | 20.1 | 8 29 | 20 55.70 | -21 35.5 | 1.992 | 2.935 | 8.6 | 20.8 |
| 9 8 | 20 48.68 | -9 23.6 | 0.980 | 1.899 | 17.4 | 20.3 | 9 8 | 20 50.00 | -21 50.1 | 2.060 | 2.930 | 11.9 | 21.0 |
| 165158 | 2000 <i>QE</i> ₅₁ | 8 7.9 8°56 | 2°3/ 7.0 18 | | | | 239861 | 2000 <i>AL</i> ₁₂₃ | 8 7.9 157°83 | 0°6/ 7.4 18 | | | |
| 6 30 | 21 30.11 | -18 50.3 | 0.807 | 1.712 | 22.7 | 18.7 | 6 30 | 21 36.61 | -13 49.7 | 2.250 | 3.068 | 13.2 | 21.1 |
| 7 10 | 21 30.15 | -18 59.5 | 0.760 | 1.713 | 17.9 | 18.4 | 7 10 | 21 32.67 | -14 45.1 | 2.168 | 3.073 | 10.3 | 20.9 |
| 7 20 | 21 26.38 | -19 21.0 | 0.728 | 1.716 | 12.1 | 18.1 | 7 20 | 21 26.83 | -15 51.5 | 2.110 | 3.077 | 7.0 | 20.7 |
| 7 30 | 21 19.60 | -19 48.2 | 0.713 | 1.722 | 5.9 | 17.8 | 7 30 | 21 19.52 | -17 4.7 | 2.077 | 3.082 | 3.3 | 20.5 |
| 8 9 | 21 11.37 | -20 12.7 | 0.717 | 1.730 | 2.6 | 17.7 | 8 9 | 21 11.45 | -18 19.5 | 2.072 | 3.085 | 0.9 | 20.3 |
| 8 19 | 21 3.56 | -20 26.9 | 0.741 | 1.740 | 8.2 | 18.0 | 8 19 | 21 3.39 | -19 30.4 | 2.097 | 3.089 | 4.5 | 20.5 |
| 8 29 | 20 57.93 | -20 26.2 | 0.784 | 1.752 | 14.0 | 18.4 | 8 29 | 20 56.18 | -20 32.7 | 2.149 | 3.092 | 8.0 | 20.8 |
| 9 8 | 20 55.65 | -20 9.6 | 0.844 | 1.766 | 19.1 | 18.7 | 9 8 | 20 50.54 | -21 23.3 | 2.226 | 3.095 | 11.2 | 21.0 |
| 507258 | 2011 <i>CV</i> ₃₆ | 8 7.9 180°52 | 0°2/ 7.8 17 | | | | 351200 | 2004 <i>EQ</i> ₆₉ | 8 7.9 214°61 | 3°1/10.9 18 | | | |

EPHEMERIDES

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| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|-------------------------------|-----------------|--------------|------------|---------|------|---------------|-------------------------------|-----------------|--------------|-----------|---------|------|
| 126344 | 2002 <i>AJ</i> ₁₆₂ | | 8 7.9 348°29 | 1°1/ 8.5 | 18 | | 272790 | 2005 <i>YW</i> ₂₆₇ | | 8 7.9 87°74 | 2°3/ 6.4 | 18 | |
| 6 30 | 21 42.00 | -14 54.5 | 1.547 | 2.382 | 17.4 | 19.4 | 6 30 | 21 40.04 | -19 24.3 | 1.750 | 2.590 | 15.4 | 20.3 |
| 7 10 | 21 37.73 | -14 22.6 | 1.467 | 2.379 | 13.9 | 19.2 | 7 10 | 21 35.81 | -20 4.8 | 1.687 | 2.604 | 12.0 | 20.1 |
| 7 20 | 21 30.70 | -13 58.5 | 1.408 | 2.376 | 9.6 | 19.0 | 7 20 | 21 29.15 | -20 52.6 | 1.644 | 2.617 | 8.1 | 19.9 |
| 7 30 | 21 21.52 | -13 40.6 | 1.371 | 2.374 | 4.9 | 18.7 | 7 30 | 21 20.68 | -21 42.2 | 1.626 | 2.631 | 4.1 | 19.7 |
| 8 9 | 21 11.23 | -13 26.4 | 1.359 | 2.372 | 1.2 | 18.4 | 8 9 | 21 11.36 | -22 27.5 | 1.634 | 2.644 | 2.6 | 19.7 |
| 8 19 | 21 1.06 | -13 13.6 | 1.373 | 2.371 | 5.4 | 18.7 | 8 19 | 21 2.26 | -23 3.3 | 1.669 | 2.657 | 6.0 | 19.9 |
| 8 29 | 20 52.28 | -12 59.9 | 1.413 | 2.370 | 10.1 | 19.0 | 8 29 | 20 54.46 | -23 26.3 | 1.730 | 2.670 | 9.9 | 20.2 |
| 9 8 | 20 45.88 | -12 43.5 | 1.475 | 2.369 | 14.3 | 19.2 | 9 8 | 20 48.78 | -23 35.5 | 1.814 | 2.683 | 13.3 | 20.4 |
| 193503 | 2000 <i>YC</i> ₂₇ | | 8 7.9 217°32 | 10°8/ 17.9 | 17 | | 511451 | 2014 <i>JE</i> ₅₄ | | 8 7.9 6°64 | 0°0/ 7.9 | 18 | |
| 6 30 | 21 35.52 | +15 41.7 | 2.148 | 2.816 | 17.9 | 20.3 | 6 30 | 21 32.93 | - 9 35.2 | 1.990 | 2.810 | 14.6 | 20.9 |
| 7 10 | 21 32.03 | +16 35.2 | 2.058 | 2.812 | 16.3 | 20.2 | 7 10 | 21 30.11 | -10 54.2 | 1.906 | 2.810 | 11.5 | 20.7 |
| 7 20 | 21 26.54 | +17 5.3 | 1.983 | 2.808 | 14.4 | 20.0 | 7 20 | 21 25.27 | -12 30.6 | 1.844 | 2.811 | 7.9 | 20.4 |
| 7 30 | 21 19.45 | +17 7.9 | 1.927 | 2.804 | 12.6 | 19.9 | 7 30 | 21 18.85 | -14 19.9 | 1.808 | 2.811 | 3.9 | 20.2 |
| 8 9 | 21 11.46 | +16 40.9 | 1.892 | 2.800 | 11.2 | 19.8 | 8 9 | 21 11.56 | -16 15.2 | 1.799 | 2.813 | 0.4 | 19.9 |
| 8 19 | 21 3.39 | +15 45.1 | 1.879 | 2.795 | 10.8 | 19.8 | 8 19 | 21 4.23 | -18 8.6 | 1.819 | 2.814 | 4.7 | 20.2 |
| 8 29 | 20 56.13 | +14 24.7 | 1.891 | 2.790 | 11.5 | 19.8 | 8 29 | 20 57.78 | -19 52.5 | 1.867 | 2.816 | 8.6 | 20.5 |
| 9 8 | 20 50.48 | +12 46.9 | 1.926 | 2.785 | 13.0 | 19.9 | 9 8 | 20 52.97 | -21 21.7 | 1.939 | 2.818 | 12.1 | 20.7 |
| 123667 | 2000 <i>YR</i> ₈₀ | | 8 7.9 121°31 | 2°9/ 10.5 | 18 | | 146068 | 2000 <i>GE</i> ₆₄ | | 8 7.9 139°90 | 0°9/ 7.4 | 17 | |
| 6 30 | 21 36.74 | - 5 42.5 | 2.634 | 3.412 | 12.5 | 20.1 | 6 30 | 21 41.16 | -15 53.1 | 1.924 | 2.748 | 14.9 | 21.2 |
| 7 10 | 21 32.32 | - 5 31.3 | 2.553 | 3.424 | 10.2 | 20.0 | 7 10 | 21 36.48 | -16 25.7 | 1.851 | 2.759 | 11.6 | 21.1 |
| 7 20 | 21 26.33 | - 5 30.9 | 2.495 | 3.436 | 7.5 | 19.8 | 7 20 | 21 29.52 | -17 7.6 | 1.800 | 2.769 | 7.9 | 20.8 |
| 7 30 | 21 19.20 | - 5 40.7 | 2.461 | 3.447 | 4.8 | 19.7 | 7 30 | 21 20.86 | -17 54.5 | 1.773 | 2.778 | 3.7 | 20.6 |
| 8 9 | 21 11.51 | - 5 59.0 | 2.456 | 3.459 | 2.9 | 19.5 | 8 9 | 21 11.35 | -18 41.4 | 1.774 | 2.787 | 1.1 | 20.4 |
| 8 19 | 21 3.91 | - 6 23.4 | 2.478 | 3.470 | 4.0 | 19.6 | 8 19 | 21 1.97 | -19 23.2 | 1.803 | 2.795 | 5.1 | 20.7 |
| 8 29 | 20 57.05 | - 6 51.2 | 2.529 | 3.480 | 6.6 | 19.8 | 8 29 | 20 53.74 | -19 56.1 | 1.858 | 2.803 | 9.0 | 21.0 |
| 9 8 | 20 51.51 | - 7 19.2 | 2.607 | 3.491 | 9.2 | 20.0 | 9 8 | 20 47.46 | -20 18.0 | 1.938 | 2.810 | 12.4 | 21.2 |
| 182328 | 2001 <i>PS</i> ₁₃ | | 8 7.9 353°09 | 0°6/ 7.6 | 18 | | 40096 | 1998 <i>OR</i> ₉ | | 8 7.9 1°37 | 2°1/ 10.0 | 18 | |
| 6 30 | 21 4.94 | -13 54.6 | 0.644 | 1.583 | 22.3 | 18.0 | 6 30 | 21 31.05 | - 5 2.5 | 1.886 | 2.695 | 15.7 | 18.3 |
| 7 10 | 21 10.49 | -14 12.7 | 0.586 | 1.559 | 17.8 | 17.6 | 7 10 | 21 28.70 | - 5 53.5 | 1.802 | 2.694 | 12.7 | 18.1 |
| 7 20 | 21 13.14 | -14 55.7 | 0.542 | 1.540 | 12.2 | 17.2 | 7 20 | 21 24.34 | - 7 4.5 | 1.738 | 2.694 | 9.1 | 17.9 |
| 7 30 | 21 13.33 | -16 0.3 | 0.513 | 1.524 | 5.9 | 16.8 | 7 30 | 21 18.41 | - 8 33.1 | 1.698 | 2.694 | 5.2 | 17.6 |
| 8 9 | 21 12.16 | -17 16.5 | 0.500 | 1.514 | 1.1 | 16.5 | 8 9 | 21 11.62 | -10 13.8 | 1.684 | 2.695 | 2.2 | 17.4 |
| 8 19 | 21 11.07 | -18 31.1 | 0.503 | 1.508 | 7.9 | 16.9 | 8 19 | 21 4.82 | -11 59.3 | 1.698 | 2.696 | 4.5 | 17.6 |
| 8 29 | 21 11.71 | -19 30.0 | 0.522 | 1.507 | 14.3 | 17.2 | 8 29 | 20 58.91 | -13 42.1 | 1.739 | 2.698 | 8.4 | 17.8 |
| 9 8 | 21 15.29 | -20 3.5 | 0.555 | 1.512 | 19.8 | 17.5 | 9 8 | 20 54.67 | -15 15.4 | 1.804 | 2.700 | 12.0 | 18.1 |
| 191320 | 2003 <i>JZ</i> ₁₂ | | 8 7.9 96°24 | 7°0/ 13.9 | 18 | | 43959 | 1997 <i>CB</i> ₂₆ | | 8 7.9 245°80 | 0°4/ 7.8 | 18 | |
| 6 30 | 21 37.44 | + 5 1.9 | 1.901 | 2.647 | 17.7 | 20.1 | 6 30 | 21 42.01 | -16 19.7 | 1.609 | 2.445 | 16.8 | 17.7 |
| 7 10 | 21 33.46 | + 5 19.2 | 1.832 | 2.666 | 15.1 | 20.0 | 7 10 | 21 37.77 | -16 22.8 | 1.526 | 2.439 | 13.3 | 17.4 |
| 7 20 | 21 27.41 | + 5 14.2 | 1.780 | 2.683 | 12.2 | 19.8 | 7 20 | 21 30.78 | -16 35.0 | 1.462 | 2.433 | 9.1 | 17.2 |
| 7 30 | 21 19.80 | + 4 45.8 | 1.749 | 2.701 | 9.3 | 19.7 | 7 30 | 21 21.62 | -16 52.9 | 1.422 | 2.427 | 4.4 | 16.9 |
| 8 9 | 21 11.44 | + 3 55.4 | 1.743 | 2.718 | 7.3 | 19.6 | 8 9 | 21 11.26 | -17 11.8 | 1.407 | 2.420 | 0.7 | 16.6 |
| 8 19 | 21 3.22 | + 2 47.1 | 1.762 | 2.735 | 7.3 | 19.6 | 8 19 | 21 0.92 | -17 27.3 | 1.418 | 2.414 | 5.6 | 16.9 |
| 8 29 | 20 56.06 | + 1 27.1 | 1.808 | 2.752 | 9.2 | 19.8 | 8 29 | 20 51.89 | -17 35.9 | 1.455 | 2.407 | 10.3 | 17.2 |
| 9 8 | 20 50.68 | + 0 2.7 | 1.878 | 2.768 | 11.9 | 20.0 | 9 8 | 20 45.19 | -17 35.7 | 1.514 | 2.400 | 14.5 | 17.4 |
| 24504 | 2001 <i>AD</i> ₄₅ | | 8 7.9 291°86 | 2°7/ 6.6 | 18 | | 20221 | 1997 <i>HV</i> ₈ | | 8 7.9 121°48 | 0°8/ 7.3 | 18 | |
| 6 30 | 21 40.87 | -20 25.4 | 1.424 | 2.278 | 17.6 | 18.8 | 6 30 | 21 36.51 | -16 34.2 | 2.438 | 3.260 | 12.2 | 19.8 |
| 7 10 | 21 37.57 | -20 47.0 | 1.332 | 2.256 | 14.0 | 18.5 | 7 10 | 21 32.38 | -17 1.0 | 2.361 | 3.268 | 9.5 | 19.7 |
| 7 20 | 21 31.11 | -21 16.9 | 1.258 | 2.234 | 9.7 | 18.2 | 7 20 | 21 26.51 | -17 34.5 | 2.307 | 3.275 | 6.4 | 19.5 |
| 7 30 | 21 21.97 | -21 49.8 | 1.206 | 2.212 | 5.0 | 17.9 | 7 30 | 21 19.34 | -18 11.6 | 2.278 | 3.283 | 3.0 | 19.3 |
| 8 9 | 21 11.17 | -22 18.6 | 1.179 | 2.189 | 3.0 | 17.7 | 8 9 | 21 11.53 | -18 48.4 | 2.278 | 3.290 | 1.0 | 19.1 |
| 8 19 | 21 0.12 | -22 36.9 | 1.176 | 2.167 | 7.4 | 17.9 | 8 19 | 21 3.81 | -19 21.5 | 2.306 | 3.298 | 4.2 | 19.4 |
| 8 29 | 20 50.44 | -22 40.5 | 1.197 | 2.145 | 12.5 | 18.1 | 8 29 | 20 56.94 | -19 48.0 | 2.361 | 3.305 | 7.4 | 19.6 |
| 9 8 | 20 43.43 | -22 28.4 | 1.239 | 2.123 | 17.1 | 18.3 | 9 8 | 20 51.52 | -20 6.2 | 2.442 | 3.312 | 10.3 | 19.8 |
| 95641 | 2002 <i>GS</i> ₈₁ | | 8 7.9 231°38 | 2°3/ 10.2 | 18 | | 133938 | 2004 <i>TE</i> ₁₆ | | 8 7.9 236°09 | 7°8/ 31.9 | 18 | |
| 6 30 | 21 33.78 | - 5 52.9 | 2.531 | 3.319 | 12.7 | 20.1 | 6 30 | 21 50.97 | -45 14.0 | 2.976 | 3.764 | 11.0 | 20.9 |
| 7 10 | 21 30.26 | - 6 11.1 | 2.434 | 3.312 | 10.3 | 19.9 | 7 10 | 21 43.82 | -45 56.8 | 2.897 | 3.752 | 9.6 | 20.8 |
| 7 20 | 21 25.11 | - 6 42.4 | 2.358 | 3.306 | 7.5 | 19.7 | 7 20 | 21 34.34 | -46 30.1 | 2.841 | 3.738 | 8.4 | 20.7 |
| 7 30 | 21 18.69 | - 7 25.4 | 2.308 | 3.299 | 4.5 | 19.5 | 7 30 | 21 23.13 | -46 47.9 | 2.810 | 3.725 | 7.8 | 20.7 |
| 8 9 | 21 11.57 | - 8 17.5 | 2.285 | 3.293 | 2.3 | 19.3 | 8 9 | 21 11.11 | -46 45.7 | 2.805 | 3.711 | 8.1 | 20.7 |
| 8 19 | 21 4.41 | - 9 15.1 | 2.291 | 3.286 | 3.9 | 19.4 | 8 19 | 20 59.32 | -46 21.3 | 2.826 | 3.697 | 9.1 | 20.7 |
| 8 29 | 20 57.92 | -10 14.0 | 2.324 | 3.279 | 6.9 | 19.6 | 8 29 | 20 48.79 | -45 35.4 | 2.872 | 3.682 | 10.6 | 20.8 |
| 9 8 | 20 52.72 | -11 10.0 | 2.384 | 3.271 | 9.8 | 19.8 | 9 8 | 20 40.31 | -44 31.1 | 2.940 | 3.667 | 12.2 | 20.9 |
| 227312 | 2005 <i>TV</i> ₃₁ | | 8 7.9 263°29 | 0°2/ 8.1 | 17 | | 294428 | 2007 <i>VV</i> ₂₄₃ | | 8 7.9 252°13 | 1°7/ 9.2 | 18 | |
| 6 30 | 21 38.24 | -12 53.7 | 1.800 | 2.626 | 15.7 | 21.4 | 6 30 | 21 37.17 | -10 17.9 | 2.050 | 2.862 | 14.5 | 20.7 |
| 7 10 | 21 34.66 | -13 17.9 | 1.702 | 2.609 | 12.5 | 21.2 | 7 10 | 21 33.31 | -10 17.3 | 1.961 | 2.857 | 11.6 | 20.5 |
| 7 20 | 21 28.63 | -13 55.2 | 1.624 | 2.592 | 8.7 | 20.9 | 7 20 | 21 27.38 | -10 28.0 | 1.893 | 2.853 | 8.2 | 20.2 |
| 7 30 | 21 20.59 | -14 42.9 | 1.570 | 2.574 | 4.3 | 20.6 | 7 30 | 21 19.86 | -10 48.5 | 1.849 | 2.848 | 4.5 | 20.0 |
| 8 9 | 21 11.35 | -15 36.0 | 1.543 | 2.556 | 0.5 | 20.3 | 8 9 | 21 11.47 | -11 15.9 | 1.832 | 2.843 | 1.7 | 19.8 |
| 8 19 | 21 1.92 | -16 28.9 | 1.542 | 2.538 | 5.2 | 20.6 | 8 19 | 21 3.08 | -11 46.6 | 1.842 | 2.838 | 4.4 | 20.0 |
| 8 29 | 20 53.47 | -17 16.2 | 1.567 | 2.519 | 9.7 | 20.8 | 8 29 | 20 55.60 | -12 16.9 | 1.878 | 2.833 | 8.2 | 20.2 |
| 9 8 | 20 46.98 | -17 53.9 | 1.616 | 2.500 | 13.8 | 21.0 | 9 8 | 20 49.81 | -12 43.4 | 1.940 | 2.828 | 11.6 | 20.4 |
| 219303 | 2000 <i>DG</i> ₈₇ | | 8 7.9 293°53 | 0°2/ 7.7 | 18 | | 392899 | 2012 <i>VY</i> ₄₃ | | | | | |

EPHEMERIDES

8 7.9

8 8.0

| 2020 | α_{2000} | δ_{2000} | Δ | r | β | V | 2020 | α_{2000} | δ_{2000} | Δ | r | β | V |
|---------------|------------------------|-----------------|--------------|---------------|---------|------|---------------|------------------------|-----------------|--------------|-------------|---------|------|
| 250011 | 2002 AY ₄₈ | | 8 7.9 155°46 | 1°6/ 9.1 18 | | | 394574 | 2007 VX ₅₅ | | 8 8.0 135°28 | 1°6/ 6.8 18 | | |
| 6 30 | 21 37.95 | -10 59.5 | 2.322 | 3.127 | 13.3 | 20.6 | 6 30 | 21 36.74 | -17 25.7 | 1.992 | 2.826 | 14.1 | 21.5 |
| 7 10 | 21 33.58 | -10 49.9 | 2.237 | 3.129 | 10.6 | 20.4 | 7 10 | 21 33.09 | -18 8.6 | 1.913 | 2.827 | 11.0 | 21.3 |
| 7 20 | 21 27.38 | -10 49.1 | 2.172 | 3.130 | 7.5 | 20.2 | 7 20 | 21 27.30 | -19 0.2 | 1.856 | 2.828 | 7.4 | 21.0 |
| 7 30 | 21 19.80 | -10 56.0 | 2.134 | 3.132 | 4.1 | 20.0 | 7 30 | 21 19.86 | -19 56.1 | 1.824 | 2.829 | 3.6 | 20.8 |
| 8 9 | 21 11.51 | -11 8.3 | 2.122 | 3.133 | 1.6 | 19.8 | 8 9 | 21 11.56 | -20 50.9 | 1.819 | 2.830 | 1.8 | 20.7 |
| 8 19 | 21 3.28 | -11 23.3 | 2.139 | 3.135 | 4.0 | 20.0 | 8 19 | 21 3.29 | -21 39.2 | 1.841 | 2.831 | 5.3 | 20.9 |
| 8 29 | 20 55.91 | -11 38.5 | 2.183 | 3.136 | 7.3 | 20.2 | 8 29 | 20 56.04 | -22 17.1 | 1.890 | 2.832 | 9.0 | 21.1 |
| 9 8 | 20 50.06 | -11 51.4 | 2.253 | 3.137 | 10.4 | 20.4 | 9 8 | 20 50.56 | -22 42.4 | 1.962 | 2.833 | 12.3 | 21.4 |
| 395357 | 2011 QZ ₉₁ | | 8 7.9 299°63 | 4°2/10.9 18 | | | 101392 | 1998 UW ₃₄ | | 8 8.0 246°89 | 2°5/ 9.7 18 | | |
| 6 30 | 21 34.05 | - 3 34.4 | 1.864 | 2.662 | 16.3 | 21.3 | 6 30 | 21 38.96 | - 8 2.8 | 1.848 | 2.655 | 16.0 | 20.5 |
| 7 10 | 21 31.28 | - 3 28.5 | 1.758 | 2.638 | 13.5 | 21.0 | 7 10 | 21 35.09 | - 8 2.4 | 1.751 | 2.642 | 13.1 | 20.3 |
| 7 20 | 21 26.30 | - 3 40.2 | 1.670 | 2.615 | 10.3 | 20.8 | 7 20 | 21 28.87 | - 8 16.6 | 1.673 | 2.629 | 9.5 | 20.0 |
| 7 30 | 21 19.49 | - 4 10.0 | 1.605 | 2.591 | 6.8 | 20.5 | 7 30 | 21 20.73 | - 8 44.3 | 1.619 | 2.615 | 5.5 | 19.8 |
| 8 9 | 21 11.53 | - 4 56.2 | 1.565 | 2.567 | 4.3 | 20.3 | 8 9 | 21 11.46 | - 9 22.6 | 1.591 | 2.601 | 2.6 | 19.6 |
| 8 19 | 21 3.34 | - 5 54.9 | 1.551 | 2.544 | 5.6 | 20.3 | 8 19 | 21 2.05 | -10 7.4 | 1.590 | 2.586 | 5.0 | 19.7 |
| 8 29 | 20 55.96 | - 7 0.7 | 1.562 | 2.521 | 9.2 | 20.5 | 8 29 | 20 53.58 | -10 53.6 | 1.615 | 2.571 | 9.2 | 19.9 |
| 9 8 | 20 50.32 | - 8 7.1 | 1.598 | 2.498 | 13.0 | 20.7 | 9 8 | 20 47.02 | -11 36.4 | 1.664 | 2.555 | 13.1 | 20.1 |
| 181850 | 1998 UA ₄₇ | | 8 7.9 41°80 | 4°5/10.7 18 | | | 511592 | 2015 AY ₁₁₀ | | 8 8.0 298°14 | 0°7/ 7.6 18 | | |
| 6 30 | 21 37.45 | - 5 15.7 | 1.407 | 2.228 | 19.5 | 19.9 | 6 30 | 21 35.09 | -13 4.7 | 1.320 | 2.174 | 18.8 | 21.4 |
| 7 10 | 21 34.27 | - 4 53.9 | 1.340 | 2.235 | 16.0 | 19.6 | 7 10 | 21 33.17 | -13 50.0 | 1.228 | 2.152 | 15.0 | 21.1 |
| 7 20 | 21 28.39 | - 4 51.4 | 1.290 | 2.243 | 11.9 | 19.4 | 7 20 | 21 28.23 | -14 55.5 | 1.154 | 2.130 | 10.4 | 20.8 |
| 7 30 | 21 20.44 | - 5 8.3 | 1.261 | 2.252 | 7.6 | 19.2 | 7 30 | 21 20.68 | -16 17.3 | 1.102 | 2.109 | 5.0 | 20.5 |
| 8 9 | 21 11.45 | - 5 41.7 | 1.256 | 2.261 | 4.6 | 19.1 | 8 9 | 21 11.45 | -17 47.4 | 1.074 | 2.087 | 1.1 | 20.1 |
| 8 19 | 21 2.60 | - 6 26.7 | 1.275 | 2.270 | 6.2 | 19.2 | 8 19 | 21 1.87 | -19 15.9 | 1.070 | 2.066 | 6.8 | 20.4 |
| 8 29 | 20 55.15 | - 7 16.9 | 1.318 | 2.279 | 10.2 | 19.4 | 8 29 | 20 53.53 | -20 33.1 | 1.089 | 2.045 | 12.5 | 20.7 |
| 9 8 | 20 50.03 | - 8 5.8 | 1.384 | 2.289 | 14.2 | 19.7 | 9 8 | 20 47.76 | -21 32.6 | 1.128 | 2.025 | 17.5 | 20.9 |
| 71355 | 2000 AE ₁₁₂ | | 8 7.9 287°56 | 0°7/ 7.5 18 | | | 432737 | 2011 DG ₂₅ | | 8 8.0 279°76 | 0°5/ 8.3 15 | | |
| 6 30 | 21 35.38 | -14 7.6 | 1.846 | 2.680 | 15.0 | 18.8 | 6 30 | 21 38.23 | -12 19.1 | 1.615 | 2.447 | 16.9 | 21.8 |
| 7 10 | 21 32.39 | -14 51.1 | 1.749 | 2.662 | 11.9 | 18.6 | 7 10 | 21 35.08 | -12 40.7 | 1.513 | 2.423 | 13.6 | 21.5 |
| 7 20 | 21 27.07 | -15 48.2 | 1.672 | 2.643 | 8.2 | 18.3 | 7 20 | 21 29.22 | -13 17.5 | 1.430 | 2.399 | 9.5 | 21.2 |
| 7 30 | 21 19.86 | -16 55.1 | 1.620 | 2.625 | 3.9 | 18.0 | 7 30 | 21 21.05 | -14 7.1 | 1.370 | 2.374 | 4.8 | 20.9 |
| 8 9 | 21 11.50 | -18 6.0 | 1.593 | 2.607 | 1.0 | 17.7 | 8 9 | 21 11.42 | -15 4.4 | 1.335 | 2.349 | 0.6 | 20.5 |
| 8 19 | 21 2.96 | -19 14.4 | 1.594 | 2.588 | 5.4 | 18.0 | 8 19 | 21 1.45 | -16 3.0 | 1.326 | 2.324 | 5.7 | 20.8 |
| 8 29 | 20 55.34 | -20 14.3 | 1.621 | 2.570 | 9.7 | 18.2 | 8 29 | 20 52.49 | -16 56.3 | 1.343 | 2.298 | 10.7 | 21.0 |
| 9 8 | 20 49.58 | -21 1.6 | 1.671 | 2.552 | 13.6 | 18.4 | 9 8 | 20 45.72 | -17 39.3 | 1.382 | 2.272 | 15.3 | 21.2 |
| 99157 | 2001 FR ₁₃₁ | | 8 8.0 36°92 | 6°1/12.1 18 | | | 216772 | 2005 WY ₇₄ | | 8 8.0 53°50 | 0°9/ 8.7 18 | | |
| 6 30 | 21 35.72 | - 0 55.1 | 1.563 | 2.360 | 18.9 | 19.1 | 6 30 | 21 36.78 | -12 25.3 | 2.062 | 2.881 | 14.2 | 20.6 |
| 7 10 | 21 32.58 | - 0 20.6 | 1.498 | 2.373 | 15.8 | 18.9 | 7 10 | 21 32.87 | -12 27.6 | 1.989 | 2.891 | 11.2 | 20.4 |
| 7 20 | 21 27.06 | - 0 6.8 | 1.450 | 2.386 | 12.3 | 18.7 | 7 20 | 21 26.99 | -12 39.6 | 1.936 | 2.900 | 7.8 | 20.2 |
| 7 30 | 21 19.74 | - 0 14.7 | 1.424 | 2.399 | 8.7 | 18.6 | 7 30 | 21 19.65 | -12 59.1 | 1.909 | 2.910 | 4.0 | 20.0 |
| 8 9 | 21 11.54 | - 0 42.8 | 1.421 | 2.414 | 6.3 | 18.5 | 8 9 | 21 11.60 | -13 22.9 | 1.908 | 2.921 | 0.9 | 19.8 |
| 8 19 | 21 3.51 | - 1 27.0 | 1.442 | 2.428 | 6.9 | 18.5 | 8 19 | 21 3.69 | -13 47.6 | 1.934 | 2.931 | 4.2 | 20.0 |
| 8 29 | 20 56.72 | - 2 21.4 | 1.488 | 2.444 | 9.8 | 18.7 | 8 29 | 20 56.77 | -14 10.0 | 1.987 | 2.941 | 7.8 | 20.3 |
| 9 8 | 20 51.98 | - 3 19.1 | 1.556 | 2.459 | 13.1 | 19.0 | 9 8 | 20 51.52 | -14 27.4 | 2.065 | 2.952 | 11.1 | 20.5 |
| 391648 | 2007 VA ₂₉₃ | | 8 8.0 277°45 | 2°0/ 9.6 18 | | | 319291 | 2006 BM ₈₉ | | 8 8.0 216°81 | 0°6/ 7.5 18 | | |
| 6 30 | 21 35.15 | - 7 58.8 | 1.977 | 2.786 | 15.1 | 21.7 | 6 30 | 21 35.79 | -16 20.2 | 2.640 | 3.458 | 11.5 | 22.0 |
| 7 10 | 21 31.82 | - 8 16.4 | 1.890 | 2.784 | 12.1 | 21.5 | 7 10 | 21 31.79 | -16 42.3 | 2.549 | 3.453 | 9.0 | 21.8 |
| 7 20 | 21 26.43 | - 8 48.7 | 1.825 | 2.782 | 8.7 | 21.3 | 7 20 | 21 26.13 | -17 10.8 | 2.482 | 3.449 | 6.1 | 21.6 |
| 7 30 | 21 19.44 | - 9 33.9 | 1.783 | 2.780 | 4.9 | 21.1 | 7 30 | 21 19.23 | -17 43.0 | 2.440 | 3.445 | 2.9 | 21.4 |
| 8 9 | 21 11.59 | -10 28.4 | 1.767 | 2.778 | 2.0 | 20.9 | 8 9 | 21 11.66 | -18 15.7 | 2.427 | 3.440 | 0.8 | 21.2 |
| 8 19 | 21 3.72 | -11 27.2 | 1.779 | 2.776 | 4.5 | 21.1 | 8 19 | 21 4.09 | -18 45.6 | 2.443 | 3.435 | 3.9 | 21.5 |
| 8 29 | 20 56.77 | -12 25.2 | 1.817 | 2.774 | 8.2 | 21.3 | 8 29 | 20 57.25 | -19 10.0 | 2.486 | 3.430 | 7.0 | 21.7 |
| 9 8 | 20 51.51 | -13 17.7 | 1.880 | 2.772 | 11.8 | 21.5 | 9 8 | 20 51.73 | -19 27.0 | 2.555 | 3.425 | 9.9 | 21.9 |
| 12833 | Kamenný Újezd | | 8 8.0 2°28 | 1°4/ 7.3 18 | | | 43049 | 1999 VD ₆₁ | | 8 8.0 41°51 | 1°8/ 6.8 18 | | |
| 6 30 | 21 31.72 | -15 23.1 | 0.908 | 1.798 | 22.2 | 17.0 | 6 30 | 21 38.00 | -18 16.8 | 1.705 | 2.549 | 15.6 | 19.0 |
| 7 10 | 21 31.22 | -15 55.0 | 0.851 | 1.795 | 17.5 | 16.7 | 7 10 | 21 34.40 | -18 50.2 | 1.633 | 2.552 | 12.2 | 18.8 |
| 7 20 | 21 27.13 | -16 45.7 | 0.809 | 1.794 | 11.9 | 16.4 | 7 20 | 21 28.35 | -19 32.2 | 1.582 | 2.556 | 8.3 | 18.6 |
| 7 30 | 21 20.10 | -17 49.1 | 0.786 | 1.795 | 5.7 | 16.1 | 7 30 | 21 20.41 | -20 17.8 | 1.555 | 2.561 | 4.0 | 18.4 |
| 8 9 | 21 11.50 | -18 55.1 | 0.783 | 1.796 | 1.8 | 15.9 | 8 9 | 21 11.53 | -21 1.1 | 1.554 | 2.565 | 2.1 | 18.2 |
| 8 19 | 21 3.08 | -19 53.1 | 0.801 | 1.800 | 7.9 | 16.3 | 8 19 | 21 2.76 | -21 36.9 | 1.579 | 2.570 | 5.9 | 18.5 |
| 8 29 | 20 56.62 | -20 34.9 | 0.839 | 1.804 | 13.8 | 16.6 | 8 29 | 20 55.23 | -22 1.3 | 1.629 | 2.575 | 9.9 | 18.8 |
| 9 8 | 20 53.38 | -20 56.6 | 0.894 | 1.810 | 19.0 | 16.9 | 9 8 | 20 49.80 | -22 12.7 | 1.702 | 2.579 | 13.6 | 19.0 |
| 253475 | 2003 SJ ₅₅ | | 8 8.0 319°67 | 3°4/ 9.6 18 R | | | 482420 | 2012 BK ₁₃₂ | | 8 8.0 231°81 | 5°2/ 1.9 18 | | |
| 6 30 | 21 32.21 | - 9 18.2 | 1.135 | 1.995 | 20.8 | 20.1 | 6 30 | 21 39.16 | -32 41.3 | 2.979 | 3.805 | 10.1 | 22.2 |
| 7 10 | 21 31.31 | - 8 55.8 | 1.042 | 1.965 | 17.1 | 19.8 | 7 10 | 21 34.56 | -33 52.1 | 2.891 | 3.790 | 8.2 | 22.1 |
| 7 20 | 21 27.23 | - 8 51.6 | 0.964 | 1.935 | 12.6 | 19.4 | 7 20 | 21 28.13 | -35 2.0 | 2.827 | 3.775 | 6.4 | 21.9 |
| 7 30 | 21 20.30 | - 9 6.5 | 0.905 | 1.906 | 7.4 | 19.0 | 7 30 | 21 20.25 | -36 5.6 | 2.790 | 3.760 | 5.3 | 21.8 |
| 8 9 | 21 11.46 | - 9 38.3 | 0.867 | 1.878 | 3.4 | 18.7 | 8 9 | 21 11.54 | -36 57.9 | 2.781 | 3.744 | 5.6 | 21.8 |
| 8 19 | 21 2.13 | -10 21.8 | 0.851 | 1.852 | 7.0 | 18.8 | 8 19 | 21 2.74 | -37 35.3 | 2.799 | 3.728 | 7.2 | 21.9 |
| 8 29 | 20 54.07 | -11 9.6 | 0.856 | 1.826 | 12.9 | 19.0 | 8 29 | 20 54.65 | -37 55.7 | 2.844 | 3.711 | 9.2 | 22.0 |
| 9 8 | 20 48.82 | -11 53.9 | 0.879 | 1.802 | 18.5 | 19.3 | 9 8 | 20 47.98 | -37 59.3 | 2.912 | 3.693 | 11.1 | 22.1 |
| 446952 | 2003 RE ₂₄ | | 8 8.0 342°68 | 15°2/23.2 15 | | | 34251 | Rohanmehrottra | | 8 8.0 235°96 | 1°3/ 7.2 18 | | |
| 6 30 | 21 29.67 | +23 28.4 | 1.907 | 2.538 | 2 | | | | | | | | |