| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **356173** | 2009 $HQ_{74}$ | | 12 26.9 | 266.°42 | 5.°7/27.8 | 18 |
| | h m | ° ′ | | | ° | m |
| 11 17 | 6 51.25 | + 7 12.5 | 2.100 | 2.836 | 15.6 | 21.2 |
| 11 27 | 6 47.49 | + 6 52.5 | 1.989 | 2.816 | 13.1 | 21.0 |
| 12 7 | 6 41.30 | + 6 44.4 | 1.899 | 2.795 | 10.2 | 20.8 |
| 12 17 | 6 33.05 | + 6 50.7 | 1.833 | 2.775 | 7.3 | 20.6 |
| 12 27 | 6 23.52 | + 7 12.8 | 1.795 | 2.754 | 5.7 | 20.4 |
| 1 6 | 6 13.71 | + 7 50.2 | 1.786 | 2.732 | 6.9 | 20.5 |
| 1 16 | 6 4.72 | + 8 40.8 | 1.804 | 2.710 | 9.9 | 20.6 |
| 1 26 | 5 57.53 | + 9 41.5 | 1.849 | 2.688 | 13.2 | 20.8 |
| **256172** | 2006 $VD_{64}$ | | 12 27.0 | 293.°13 | 0.°8/27.1 | 17 |
| 11 27 | 6 48.10 | +20 58.7 | 1.886 | 2.744 | 12.3 | 21.1 |
| 12 7 | 6 41.69 | +21 0.1 | 1.817 | 2.742 | 8.7 | 20.9 |
| 12 17 | 6 33.19 | +21 3.9 | 1.772 | 2.741 | 4.5 | 20.6 |
| 12 27 | 6 23.52 | +21 8.8 | 1.756 | 2.739 | 0.8 | 20.3 |
| 1 6 | 6 13.84 | +21 13.8 | 1.770 | 2.738 | 4.5 | 20.6 |
| 1 16 | 6 5.27 | +21 18.6 | 1.811 | 2.736 | 8.6 | 20.9 |
| 1 26 | 5 58.79 | +21 23.4 | 1.878 | 2.735 | 12.3 | 21.1 |
| 2 5 | 5 54.96 | +21 28.8 | 1.967 | 2.733 | 15.4 | 21.3 |
| **256549** | 2007 $HO_{82}$ | | 12 27.0 | 141.°78 | 6.°6/28.1 | 17 |
| 11 27 | 6 44.46 | + 0 30.0 | 2.616 | 3.408 | 11.3 | 20.7 |
| 12 7 | 6 38.60 | + 0 1.8 | 2.553 | 3.416 | 9.2 | 20.6 |
| 12 17 | 6 31.42 | − 0 11.9 | 2.515 | 3.423 | 7.4 | 20.5 |
| 12 27 | 6 23.53 | − 0 9.5 | 2.505 | 3.430 | 6.6 | 20.5 |
| 1 6 | 6 15.67 | + 0 9.0 | 2.523 | 3.436 | 7.1 | 20.5 |
| 1 16 | 6 8.56 | + 0 42.2 | 2.570 | 3.442 | 8.8 | 20.6 |
| 1 26 | 6 2.81 | + 1 27.5 | 2.642 | 3.448 | 10.7 | 20.8 |
| 2 5 | 5 58.84 | + 2 21.2 | 2.736 | 3.454 | 12.6 | 20.9 |
| **244120** | 2001 $VP_{23}$ | | 12 27.0 | 75.°35 | 2.°0/27.1 | 18 |
| 11 27 | 6 54.94 | +20 3.1 | 1.181 | 2.050 | 17.3 | 19.7 |
| 12 7 | 6 46.89 | +19 38.6 | 1.140 | 2.071 | 12.1 | 19.5 |
| 12 17 | 6 35.90 | +19 18.1 | 1.122 | 2.091 | 6.5 | 19.2 |
| 12 27 | 6 23.53 | +19 1.2 | 1.130 | 2.111 | 2.0 | 19.0 |
| 1 6 | 6 11.65 | +18 48.2 | 1.164 | 2.132 | 6.2 | 19.4 |
| 1 16 | 6 1.90 | +18 39.5 | 1.223 | 2.152 | 11.5 | 19.7 |
| 1 26 | 5 55.42 | +18 36.0 | 1.305 | 2.172 | 15.9 | 20.0 |
| 2 5 | 5 52.64 | +18 37.3 | 1.406 | 2.192 | 19.5 | 20.3 |
| **47995** | 2000 $YE_{133}$ | | 12 27.0 | 213.°94 | 4.°0/27.6 | 18 |
| 11 27 | 6 45.21 | +10 12.5 | 2.399 | 3.231 | 10.9 | 18.5 |
| 12 7 | 6 39.31 | +10 2.9 | 2.324 | 3.228 | 8.2 | 18.3 |
| 12 17 | 6 31.86 | +10 2.6 | 2.275 | 3.225 | 5.5 | 18.2 |
| 12 27 | 6 23.55 | +10 12.3 | 2.255 | 3.221 | 4.0 | 18.1 |
| 1 6 | 6 15.19 | +10 31.4 | 2.265 | 3.217 | 5.2 | 18.1 |
| 1 16 | 6 7.60 | +10 58.8 | 2.304 | 3.213 | 7.9 | 18.3 |
| 1 26 | 6 1.52 | +11 32.6 | 2.370 | 3.209 | 10.7 | 18.5 |
| 2 5 | 5 57.44 | +12 10.8 | 2.458 | 3.205 | 13.2 | 18.6 |
| **451750** | 2013 $EG_{88}$ | | 12 27.0 | 263.°53 | 4.°3/26.2 | 18 |
| 11 27 | 6 52.42 | +33 44.7 | 2.087 | 2.932 | 11.8 | 21.4 |
| 12 7 | 6 45.06 | +34 37.5 | 1.997 | 2.910 | 8.8 | 21.1 |
| 12 17 | 6 35.14 | +35 24.3 | 1.933 | 2.888 | 5.8 | 20.9 |
| 12 27 | 6 23.55 | +35 59.5 | 1.898 | 2.865 | 4.3 | 20.8 |
| 1 6 | 6 11.58 | +36 19.6 | 1.892 | 2.842 | 6.3 | 20.8 |
| 1 16 | 6 0.61 | +36 23.7 | 1.915 | 2.818 | 9.6 | 21.0 |
| 1 26 | 5 51.90 | +36 14.2 | 1.963 | 2.794 | 12.9 | 21.2 |
| 2 5 | 5 46.22 | +35 55.5 | 2.033 | 2.770 | 15.9 | 21.3 |
| **439010** | 2011 $AH_{30}$ | | 12 27.0 | 282.°04 | 1.°7/27.3 | 18 |
| 11 27 | 6 50.57 | +18 1.5 | 1.400 | 2.265 | 15.4 | 21.3 |
| 12 7 | 6 44.15 | +18 23.2 | 1.324 | 2.252 | 11.0 | 21.0 |
| 12 17 | 6 34.78 | +18 53.6 | 1.271 | 2.239 | 6.0 | 20.6 |
| 12 27 | 6 23.55 | +19 30.5 | 1.245 | 2.227 | 1.7 | 20.3 |
| 1 6 | 6 12.00 | +20 10.6 | 1.245 | 2.214 | 5.8 | 20.6 |
| 1 16 | 6 1.78 | +20 51.1 | 1.272 | 2.201 | 11.1 | 20.8 |
| 1 26 | 5 54.31 | +21 30.4 | 1.323 | 2.189 | 15.8 | 21.1 |
| 2 5 | 5 50.40 | +22 7.8 | 1.393 | 2.176 | 19.8 | 21.3 |
| **478507** | 2012 $SQ_{27}$ | | 12 27.0 | 85.°73 | 1.°4/27.1 | 16 |
| 11 27 | 6 52.79 | +19 40.5 | 1.556 | 2.413 | 14.5 | 21.6 |
| 12 7 | 6 44.96 | +19 41.1 | 1.512 | 2.437 | 10.1 | 21.4 |
| 12 17 | 6 34.81 | +19 45.5 | 1.493 | 2.461 | 5.3 | 21.2 |
| 12 27 | 6 23.56 | +19 52.3 | 1.501 | 2.484 | 1.4 | 20.9 |
| 1 6 | 6 12.63 | +20 0.2 | 1.539 | 2.506 | 5.1 | 21.3 |
| 1 16 | 6 3.33 | +20 8.7 | 1.604 | 2.529 | 9.5 | 21.6 |
| 1 26 | 5 56.63 | +20 18.1 | 1.694 | 2.551 | 13.4 | 21.9 |
| 2 5 | 5 52.99 | +20 28.4 | 1.804 | 2.572 | 16.5 | 22.1 |
| **29294** | 1993 $OH_{9}$ | | 12 27.0 | 165.°21 | 1.°5/27.2 | 18 |
| 11 27 | 6 50.85 | +19 4.9 | 1.703 | 2.559 | 13.5 | 19.3 |
| 12 7 | 6 43.74 | +19 9.8 | 1.638 | 2.562 | 9.6 | 19.0 |
| 12 17 | 6 34.30 | +19 19.3 | 1.597 | 2.564 | 5.1 | 18.8 |
| 12 27 | 6 23.56 | +19 32.0 | 1.584 | 2.566 | 1.5 | 18.5 |
| 1 6 | 6 12.81 | +19 46.3 | 1.601 | 2.568 | 5.0 | 18.8 |
| 1 16 | 6 3.36 | +20 1.5 | 1.645 | 2.569 | 9.4 | 19.1 |
| 1 26 | 5 56.25 | +20 17.2 | 1.715 | 2.570 | 13.3 | 19.3 |
| 2 5 | 5 52.08 | +20 33.5 | 1.805 | 2.571 | 16.6 | 19.5 |

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **211281** | 2002 $RU_{146}$ | | 12 27.0 | 57.°53 | 2.°1/26.9 | 18 |
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.25 | +27 41.5 | 1.564 | 2.428 | 14.1 | 20.4 |
| 12 7 | 6 44.09 | +28 4.8 | 1.518 | 2.445 | 9.9 | 20.2 |
| 12 17 | 6 34.45 | +28 24.1 | 1.495 | 2.463 | 5.3 | 20.0 |
| 12 27 | 6 23.55 | +28 35.7 | 1.500 | 2.481 | 2.1 | 19.8 |
| 1 6 | 6 12.92 | +28 38.1 | 1.533 | 2.499 | 5.4 | 20.1 |
| 1 16 | 6 3.92 | +28 31.9 | 1.593 | 2.517 | 9.6 | 20.3 |
| 1 26 | 5 57.60 | +28 19.7 | 1.677 | 2.535 | 13.4 | 20.6 |
| 2 5 | 5 54.46 | +28 4.6 | 1.782 | 2.554 | 16.5 | 20.9 |
| **343282** | 2010 $AX_{40}$ | | 12 27.0 | 326.°51 | 1.°5/27.2 | 18 |
| 11 27 | 6 47.62 | +18 34.9 | 1.267 | 2.142 | 16.0 | 20.1 |
| 12 7 | 6 42.30 | +18 57.7 | 1.193 | 2.126 | 11.4 | 19.8 |
| 12 17 | 6 33.91 | +19 29.9 | 1.141 | 2.111 | 6.2 | 19.5 |
| 12 27 | 6 23.56 | +20 9.0 | 1.115 | 2.097 | 1.5 | 19.1 |
| 1 6 | 6 12.87 | +20 51.3 | 1.114 | 2.084 | 6.0 | 19.4 |
| 1 16 | 6 3.57 | +21 33.7 | 1.138 | 2.072 | 11.6 | 19.7 |
| 1 26 | 5 57.16 | +22 14.4 | 1.184 | 2.060 | 16.6 | 19.9 |
| 2 5 | 5 54.49 | +22 52.4 | 1.249 | 2.049 | 20.7 | 20.2 |
| **219229** | 1999 $VC_{162}$ | | 12 27.0 | 69.°19 | 0.°2/27.0 | 18 |
| 11 27 | 6 48.83 | +23 1.8 | 1.968 | 2.824 | 11.9 | 20.1 |
| 12 7 | 6 41.94 | +22 57.4 | 1.918 | 2.844 | 8.3 | 20.0 |
| 12 17 | 6 33.20 | +22 53.1 | 1.895 | 2.864 | 4.2 | 19.8 |
| 12 27 | 6 23.56 | +22 47.8 | 1.900 | 2.883 | 0.2 | 19.4 |
| 1 6 | 6 14.14 | +22 40.9 | 1.935 | 2.903 | 4.2 | 19.8 |
| 1 16 | 6 5.98 | +22 33.0 | 1.999 | 2.923 | 8.0 | 20.1 |
| 1 26 | 5 59.87 | +22 24.9 | 2.089 | 2.943 | 11.3 | 20.3 |
| 2 5 | 5 56.28 | +22 17.8 | 2.201 | 2.962 | 14.1 | 20.6 |
| **51243** | 2000 $JG_{38}$ | | 12 27.0 | 277.°69 | 1.°1/27.1 | 18 |
| 11 27 | 6 45.90 | +20 11.2 | 2.333 | 3.185 | 10.5 | 19.4 |
| 12 7 | 6 39.91 | +20 0.4 | 2.253 | 3.176 | 7.4 | 19.2 |
| 12 17 | 6 32.22 | +19 51.5 | 2.199 | 3.166 | 4.0 | 19.0 |
| 12 27 | 6 23.57 | +19 44.0 | 2.174 | 3.156 | 1.1 | 18.7 |
| 1 6 | 6 14.86 | +19 37.9 | 2.180 | 3.147 | 3.9 | 18.9 |
| 1 16 | 6 7.00 | +19 33.1 | 2.215 | 3.137 | 7.4 | 19.1 |
| 1 26 | 6 0.78 | +19 30.1 | 2.276 | 3.127 | 10.7 | 19.3 |
| 2 5 | 5 56.72 | +19 29.0 | 2.361 | 3.117 | 13.4 | 19.5 |
| **332745** | 2009 $TZ_{19}$ | | 12 27.0 | 81.°47 | 1.°1/26.9 | 18 |
| 11 27 | 6 55.88 | +25 15.3 | 1.452 | 2.312 | 15.2 | 20.6 |
| 12 7 | 6 47.23 | +25 35.8 | 1.415 | 2.342 | 10.5 | 20.4 |
| 12 17 | 6 35.99 | +25 54.2 | 1.402 | 2.371 | 5.4 | 20.2 |
| 12 27 | 6 23.57 | +26 6.6 | 1.417 | 2.400 | 1.1 | 19.9 |
| 1 6 | 6 11.63 | +26 11.6 | 1.461 | 2.428 | 5.3 | 20.3 |
| 1 16 | 6 1.62 | +26 9.9 | 1.531 | 2.456 | 9.9 | 20.6 |
| 1 26 | 5 54.58 | +26 3.8 | 1.627 | 2.483 | 13.9 | 20.9 |
| 2 5 | 5 50.93 | +25 56.1 | 1.742 | 2.510 | 17.0 | 21.2 |
| **130389** | 2000 $JH_{70}$ | | 12 27.0 | 308.°52 | 4.°2/26.8 | 18 |
| 11 27 | 6 46.25 | +13 42.5 | 2.012 | 2.859 | 12.1 | 19.2 |
| 12 7 | 6 40.36 | +12 46.6 | 1.925 | 2.839 | 9.0 | 19.0 |
| 12 17 | 6 32.53 | +11 55.9 | 1.864 | 2.820 | 5.9 | 18.8 |
| 12 27 | 6 23.57 | +11 12.8 | 1.832 | 2.801 | 4.2 | 18.6 |
| 1 6 | 6 14.48 | +10 39.4 | 1.828 | 2.782 | 6.1 | 18.7 |
| 1 16 | 6 6.29 | +10 16.8 | 1.853 | 2.764 | 9.4 | 18.9 |
| 1 26 | 5 59.90 | +10 5.2 | 1.902 | 2.745 | 12.8 | 19.0 |
| 2 5 | 5 55.93 | +10 3.4 | 1.973 | 2.728 | 15.7 | 19.2 |
| **269177** | 2008 $FA_{105}$ | | 12 27.0 | 213.°13 | 4.°3/26.3 | 18 |
| 11 27 | 6 54.58 | +31 29.0 | 1.647 | 2.502 | 13.9 | 21.1 |
| 12 7 | 6 46.85 | +32 30.7 | 1.578 | 2.498 | 10.2 | 20.8 |
| 12 17 | 6 36.13 | +33 27.0 | 1.533 | 2.493 | 6.3 | 20.6 |
| 12 27 | 6 23.57 | +34 11.0 | 1.516 | 2.488 | 4.3 | 20.5 |
| 1 6 | 6 10.81 | +34 38.1 | 1.527 | 2.483 | 6.8 | 20.6 |
| 1 16 | 5 59.50 | +34 47.9 | 1.566 | 2.477 | 10.8 | 20.8 |
| 1 26 | 5 51.04 | +34 43.4 | 1.629 | 2.471 | 14.6 | 21.0 |
| 2 5 | 5 46.18 | +34 29.6 | 1.712 | 2.465 | 17.8 | 21.3 |
| **137618** | 1999 $VT_{197}$ | | 12 27.0 | 21.°53 | 0.°6/27.1 | 18 |
| 11 27 | 6 49.81 | +20 20.3 | 1.146 | 2.024 | 17.0 | 19.0 |
| 12 7 | 6 43.78 | +20 51.6 | 1.094 | 2.029 | 12.0 | 18.8 |
| 12 17 | 6 34.58 | +21 29.7 | 1.063 | 2.034 | 6.2 | 18.5 |
| 12 27 | 6 23.57 | +22 10.6 | 1.056 | 2.039 | 0.6 | 18.1 |
| 1 6 | 6 12.60 | +22 50.1 | 1.075 | 2.046 | 6.1 | 18.5 |
| 1 16 | 6 3.47 | +23 25.3 | 1.119 | 2.053 | 11.7 | 18.8 |
| 1 26 | 5 57.55 | +23 55.9 | 1.185 | 2.061 | 16.5 | 19.1 |
| 2 5 | 5 55.49 | +24 22.1 | 1.269 | 2.070 | 20.4 | 19.4 |
| **124529** | 2001 $RL_{88}$ | | 12 27.0 | 152.°72 | 0.°9/26.9 | 18 |
| 11 27 | 6 52.95 | +24 57.9 | 1.933 | 2.784 | 12.4 | 20.6 |
| 12 7 | 6 45.03 | +25 19.7 | 1.870 | 2.793 | 8.6 | 20.4 |
| 12 17 | 6 34.90 | +25 40.4 | 1.834 | 2.801 | 4.5 | 20.1 |
| 12 27 | 6 23.58 | +25 57.1 | 1.827 | 2.809 | 0.9 | 19.9 |
| 1 6 | 6 12.32 | +26 7.8 | 1.850 | 2.816 | 4.5 | 20.2 |
| 1 16 | 6 2.34 | +26 12.6 | 1.902 | 2.823 | 8.6 | 20.4 |
| 1 26 | 5 54.63 | +26 12.7 | 1.981 | 2.828 | 12.2 | 20.7 |
| 2 5 | 5 49.75 | +26 10.3 | 2.081 | 2.833 | 15.1 | 20.9 |

**336797** 2011 $CS_{75}$ 12 27.0 275.°48 3.°8/26.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.39 | +30 42.1 | 1.436 | 2.300 | 15.1 | 20.8 |
| 12 7 | 6 46.25 | +31 18.0 | 1.365 | 2.291 | 10.9 | 20.6 |
| 12 17 | 6 35.89 | +31 47.8 | 1.318 | 2.282 | 6.5 | 20.3 |
| 12 27 | 6 23.58 | +32 5.4 | 1.297 | 2.274 | 3.8 | 20.1 |
| 1 6 | 6 11.09 | +32 7.4 | 1.303 | 2.265 | 6.8 | 20.3 |
| 1 16 | 6 0.25 | +31 54.5 | 1.335 | 2.256 | 11.4 | 20.5 |
| 1 26 | 5 52.52 | +31 30.6 | 1.390 | 2.247 | 15.8 | 20.7 |
| 2 5 | 5 48.65 | +31 1.1 | 1.465 | 2.239 | 19.4 | 21.0 |

**484437** 2008 $AB_{54}$ 12 27.0 297.°30 1.°1/26.9 17

| 11 27 | 6 49.66 | +26 26.8 | 1.783 | 2.643 | 12.8 | 21.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 42.98 | +26 27.9 | 1.710 | 2.637 | 9.0 | 21.7 |
| 12 17 | 6 33.94 | +26 26.2 | 1.663 | 2.632 | 4.8 | 21.4 |
| 12 27 | 6 23.58 | +26 19.2 | 1.643 | 2.626 | 1.1 | 21.1 |
| 1 6 | 6 13.19 | +26 6.3 | 1.653 | 2.621 | 4.8 | 21.4 |
| 1 16 | 6 4.07 | +25 48.3 | 1.690 | 2.615 | 9.1 | 21.6 |
| 1 26 | 5 57.28 | +25 27.5 | 1.753 | 2.610 | 13.0 | 21.9 |
| 2 5 | 5 53.43 | +25 6.2 | 1.836 | 2.605 | 16.2 | 22.1 |

**272360** 2005 $SB_{171}$ 12 27.0 182.°56 3.°7/26.8 18

| 11 27 | 6 54.73 | +32 13.5 | 1.744 | 2.595 | 13.5 | 21.3 |
|---|---|---|---|---|---|---|
| 12 7 | 6 46.66 | +32 41.1 | 1.677 | 2.596 | 9.8 | 21.0 |
| 12 17 | 6 35.88 | +33 0.8 | 1.635 | 2.596 | 5.9 | 20.8 |
| 12 27 | 6 23.59 | +33 7.7 | 1.622 | 2.596 | 3.7 | 20.7 |
| 1 6 | 6 11.32 | +32 59.8 | 1.637 | 2.595 | 6.1 | 20.8 |
| 1 16 | 6 0.57 | +32 38.4 | 1.680 | 2.594 | 10.0 | 21.0 |
| 1 26 | 5 52.55 | +32 7.7 | 1.748 | 2.593 | 13.6 | 21.3 |
| 2 5 | 5 47.88 | +31 32.3 | 1.837 | 2.590 | 16.8 | 21.5 |

**144593** 2004 $FB_{44}$ 12 27.0 253.°27 2.°0/27.1 18

| 11 27 | 6 48.44 | +17 44.8 | 2.184 | 3.031 | 11.3 | 20.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 41.83 | +17 28.6 | 2.095 | 3.014 | 8.1 | 20.7 |
| 12 17 | 6 33.29 | +17 15.9 | 2.032 | 2.996 | 4.6 | 20.4 |
| 12 27 | 6 23.59 | +17 6.9 | 1.998 | 2.977 | 2.0 | 20.2 |
| 1 6 | 6 13.73 | +17 1.3 | 1.994 | 2.958 | 4.6 | 20.4 |
| 1 16 | 6 4.73 | +16 59.3 | 2.020 | 2.939 | 8.3 | 20.5 |
| 1 26 | 5 57.49 | +17 1.1 | 2.072 | 2.919 | 11.7 | 20.7 |
| 2 5 | 5 52.63 | +17 6.4 | 2.147 | 2.899 | 14.7 | 20.9 |

**159842** 2003 $UF_{282}$ 12 27.0 114.°87 4.°4/27.6 18

| 11 27 | 6 45.39 | + 8 37.6 | 2.560 | 3.385 | 10.6 | 20.6 |
|---|---|---|---|---|---|---|
| 12 7 | 6 39.25 | + 8 14.9 | 2.503 | 3.399 | 8.0 | 20.4 |
| 12 17 | 6 31.76 | + 8 1.7 | 2.471 | 3.413 | 5.6 | 20.3 |
| 12 27 | 6 23.59 | + 7 58.9 | 2.469 | 3.427 | 4.4 | 20.2 |
| 1 6 | 6 15.51 | + 8 6.3 | 2.496 | 3.441 | 5.4 | 20.3 |
| 1 16 | 6 8.24 | + 8 23.1 | 2.553 | 3.454 | 7.6 | 20.5 |
| 1 26 | 6 2.41 | + 8 47.7 | 2.637 | 3.467 | 10.0 | 20.7 |
| 2 5 | 5 58.44 | + 9 17.9 | 2.743 | 3.479 | 12.2 | 20.8 |

**385645** 2005 $QS_{174}$ 12 27.0 90.°01 3.°5/26.9 18

| 11 27 | 6 55.78 | +31 41.0 | 1.495 | 2.353 | 14.9 | 21.3 |
|---|---|---|---|---|---|---|
| 12 7 | 6 47.38 | +31 58.6 | 1.448 | 2.370 | 10.7 | 21.1 |
| 12 17 | 6 36.18 | +32 6.9 | 1.424 | 2.388 | 6.3 | 20.8 |
| 12 27 | 6 23.61 | +32 1.8 | 1.428 | 2.404 | 3.5 | 20.7 |
| 1 6 | 6 11.40 | +31 42.2 | 1.459 | 2.421 | 6.2 | 20.9 |
| 1 16 | 6 1.13 | +31 10.8 | 1.518 | 2.438 | 10.4 | 21.2 |
| 1 26 | 5 53.94 | +30 32.5 | 1.601 | 2.454 | 14.3 | 21.5 |
| 2 5 | 5 50.30 | +29 52.3 | 1.704 | 2.469 | 17.4 | 21.7 |

**443414** 2014 $HD_{62}$ 12 27.0 343.°89 0.°1/27.0 18

| 11 27 | 6 48.14 | +21 42.9 | 1.274 | 2.150 | 15.8 | 20.8 |
|---|---|---|---|---|---|---|
| 12 7 | 6 42.60 | +22 13.5 | 1.208 | 2.142 | 11.1 | 20.6 |
| 12 17 | 6 34.02 | +22 49.3 | 1.164 | 2.136 | 5.8 | 20.2 |
| 12 27 | 6 23.60 | +23 26.4 | 1.146 | 2.130 | 0.1 | 19.8 |
| 1 6 | 6 13.01 | +24 1.1 | 1.154 | 2.124 | 5.8 | 20.2 |
| 1 16 | 6 3.94 | +24 31.1 | 1.187 | 2.120 | 11.3 | 20.5 |
| 1 26 | 5 57.82 | +24 55.9 | 1.243 | 2.117 | 16.1 | 20.8 |
| 2 5 | 5 55.40 | +25 16.5 | 1.317 | 2.114 | 20.0 | 21.0 |

**332231** 2006 $HK_{76}$ 12 27.0 56.°59 5.°6/24.9 17

| 11 27 | 6 55.23 | +34 48.5 | 2.088 | 2.928 | 12.1 | 20.1 |
|---|---|---|---|---|---|---|
| 12 7 | 6 47.00 | +36 56.8 | 2.038 | 2.945 | 9.1 | 19.9 |
| 12 17 | 6 36.13 | +38 57.6 | 2.017 | 2.962 | 6.4 | 19.8 |
| 12 27 | 6 23.62 | +40 42.1 | 2.026 | 2.979 | 5.7 | 19.8 |
| 1 6 | 6 10.83 | +42 4.4 | 2.067 | 2.997 | 7.3 | 19.9 |
| 1 16 | 5 59.21 | +43 2.8 | 2.136 | 3.015 | 10.0 | 20.1 |
| 1 26 | 5 50.00 | +43 39.7 | 2.230 | 3.033 | 12.6 | 20.3 |
| 2 5 | 5 43.96 | +44 0.3 | 2.346 | 3.050 | 14.8 | 20.5 |

**331288** 2011 $DJ_{40}$ 12 27.0 104.°34 3.°9/27.6 17

| 11 27 | 6 45.07 | +10 28.3 | 2.405 | 3.238 | 10.9 | 21.0 |
|---|---|---|---|---|---|---|
| 12 7 | 6 39.15 | +10 17.6 | 2.343 | 3.247 | 8.1 | 20.9 |
| 12 17 | 6 31.77 | +10 16.0 | 2.307 | 3.256 | 5.4 | 20.7 |
| 12 27 | 6 23.62 | +10 23.9 | 2.299 | 3.265 | 3.9 | 20.6 |
| 1 6 | 6 15.51 | +10 40.8 | 2.322 | 3.274 | 5.1 | 20.7 |
| 1 16 | 6 8.24 | +11 5.5 | 2.373 | 3.283 | 7.7 | 20.9 |
| 1 26 | 6 2.49 | +11 36.3 | 2.451 | 3.291 | 10.4 | 21.1 |
| 2 5 | 5 58.69 | +12 11.2 | 2.552 | 3.299 | 12.7 | 21.3 |

**480308** 2015 $HO_{173}$ 12 27.0 260.°00 0.°4/27.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.33 | +22 36.8 | 1.453 | 2.318 | 14.9 | 21.1 |
| 12 7 | 6 45.30 | +22 33.5 | 1.378 | 2.307 | 10.6 | 20.8 |
| 12 17 | 6 35.35 | +22 31.2 | 1.327 | 2.296 | 5.5 | 20.5 |
| 12 27 | 6 23.63 | +22 27.8 | 1.302 | 2.285 | 0.4 | 20.1 |
| 1 6 | 6 11.73 | +22 22.2 | 1.305 | 2.274 | 5.5 | 20.4 |
| 1 16 | 6 1.29 | +22 14.8 | 1.334 | 2.262 | 10.8 | 20.7 |
| 1 26 | 5 53.66 | +22 7.3 | 1.388 | 2.250 | 15.4 | 20.9 |
| 2 5 | 5 49.56 | +22 1.2 | 1.460 | 2.239 | 19.3 | 21.1 |

**392371** 2010 $GV_{161}$ 12 27.0 206.°61 3.°3/27.7 18

| 11 27 | 6 48.98 | +12 12.1 | 2.062 | 2.899 | 12.2 | 21.6 |
|---|---|---|---|---|---|---|
| 12 7 | 6 42.22 | +12 27.5 | 1.985 | 2.895 | 9.0 | 21.4 |
| 12 17 | 6 33.50 | +12 53.3 | 1.933 | 2.890 | 5.6 | 21.2 |
| 12 27 | 6 23.63 | +13 28.8 | 1.911 | 2.885 | 3.3 | 21.0 |
| 1 6 | 6 13.64 | +14 12.0 | 1.919 | 2.879 | 5.2 | 21.1 |
| 1 16 | 6 4.56 | +15 0.6 | 1.956 | 2.873 | 8.6 | 21.3 |
| 1 26 | 5 57.33 | +15 52.2 | 2.020 | 2.866 | 12.0 | 21.5 |
| 2 5 | 5 52.53 | +16 44.6 | 2.106 | 2.859 | 14.9 | 21.7 |

**305102** 2007 $VQ_{55}$ 12 27.0 342.°79 1.°4/27.2 18

| 11 27 | 6 48.43 | +19 5.6 | 1.646 | 2.507 | 13.6 | 20.8 |
|---|---|---|---|---|---|---|
| 12 7 | 6 42.18 | +19 12.8 | 1.579 | 2.505 | 9.6 | 20.5 |
| 12 17 | 6 33.58 | +19 25.1 | 1.536 | 2.504 | 5.2 | 20.3 |
| 12 27 | 6 23.63 | +19 41.1 | 1.520 | 2.502 | 1.4 | 20.0 |
| 1 6 | 6 13.63 | +19 59.2 | 1.532 | 2.501 | 5.0 | 20.2 |
| 1 16 | 6 4.87 | +20 18.1 | 1.572 | 2.499 | 9.5 | 20.5 |
| 1 26 | 5 58.43 | +20 37.5 | 1.637 | 2.498 | 13.5 | 20.7 |
| 2 5 | 5 54.94 | +20 56.9 | 1.722 | 2.498 | 16.9 | 21.0 |

**240939** 2006 $GC_{15}$ 12 27.0 349.°78 1.°8/26.8 18

| 11 27 | 6 47.54 | +25 21.2 | 1.185 | 2.067 | 16.3 | 19.7 |
|---|---|---|---|---|---|---|
| 12 7 | 6 42.39 | +25 55.8 | 1.122 | 2.059 | 11.5 | 19.4 |
| 12 17 | 6 33.99 | +26 31.2 | 1.081 | 2.052 | 6.1 | 19.1 |
| 12 27 | 6 23.63 | +27 2.4 | 1.064 | 2.046 | 1.8 | 18.8 |
| 1 6 | 6 13.11 | +27 25.2 | 1.072 | 2.042 | 6.4 | 19.1 |
| 1 16 | 6 4.29 | +27 38.6 | 1.105 | 2.039 | 11.8 | 19.4 |
| 1 26 | 5 58.65 | +27 43.9 | 1.159 | 2.037 | 16.7 | 19.7 |
| 2 5 | 5 56.95 | +27 43.9 | 1.231 | 2.036 | 20.7 | 19.9 |

**471945** 2013 $RK_{49}$ 12 27.0 334.°80 2.°8/26.9 18

| 11 27 | 6 53.77 | +28 52.6 | 1.250 | 2.121 | 16.4 | 21.3 |
|---|---|---|---|---|---|---|
| 12 7 | 6 46.63 | +29 9.5 | 1.188 | 2.119 | 11.7 | 21.0 |
| 12 17 | 6 36.11 | +29 20.5 | 1.149 | 2.117 | 6.5 | 20.7 |
| 12 27 | 6 23.63 | +29 20.6 | 1.135 | 2.115 | 2.8 | 20.5 |
| 1 6 | 6 11.18 | +29 7.9 | 1.147 | 2.114 | 6.6 | 20.7 |
| 1 16 | 6 0.66 | +28 43.9 | 1.185 | 2.113 | 11.8 | 21.0 |
| 1 26 | 5 53.55 | +28 13.4 | 1.244 | 2.111 | 16.5 | 21.3 |
| 2 5 | 5 50.49 | +27 41.2 | 1.323 | 2.111 | 20.4 | 21.5 |

**405739** 2005 $YT_{33}$ 12 27.0 58.°89 1.°9/27.5 18

| 11 27 | 6 47.68 | +15 35.0 | 1.927 | 2.778 | 12.4 | 20.4 |
|---|---|---|---|---|---|---|
| 12 7 | 6 41.33 | +16 14.6 | 1.867 | 2.787 | 8.9 | 20.2 |
| 12 17 | 6 33.02 | +17 2.7 | 1.832 | 2.797 | 4.9 | 20.0 |
| 12 27 | 6 23.63 | +17 56.9 | 1.827 | 2.807 | 1.9 | 19.8 |
| 1 6 | 6 14.24 | +18 54.0 | 1.851 | 2.817 | 4.5 | 20.0 |
| 1 16 | 6 5.91 | +19 50.9 | 1.904 | 2.828 | 8.3 | 20.2 |
| 1 26 | 5 59.55 | +20 45.7 | 1.983 | 2.838 | 11.8 | 20.5 |
| 2 5 | 5 55.70 | +21 36.9 | 2.085 | 2.848 | 14.7 | 20.7 |

**181413** 2006 $SY_{179}$ 12 27.0 289.°82 2.°9/26.7 18

| 11 27 | 6 52.74 | +28 19.2 | 1.355 | 2.223 | 15.5 | 19.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 46.10 | +28 52.3 | 1.273 | 2.202 | 11.2 | 19.6 |
| 12 17 | 6 36.01 | +29 22.6 | 1.213 | 2.181 | 6.3 | 19.3 |
| 12 27 | 6 23.64 | +29 44.2 | 1.180 | 2.160 | 2.9 | 19.0 |
| 1 6 | 6 10.78 | +29 53.0 | 1.173 | 2.138 | 6.7 | 19.2 |
| 1 16 | 5 59.41 | +29 48.4 | 1.191 | 2.117 | 12.0 | 19.4 |
| 1 26 | 5 51.20 | +29 33.8 | 1.233 | 2.096 | 16.9 | 19.7 |
| 2 5 | 5 47.09 | +29 13.9 | 1.292 | 2.075 | 21.1 | 19.9 |

**353966** 1999 $XO_{41}$ 12 27.0 18.°41 2.°5/27.3 17

| 11 27 | 6 45.08 | +18 17.2 | 0.958 | 1.849 | 18.3 | 19.4 |
|---|---|---|---|---|---|---|
| 12 7 | 6 40.51 | +18 12.8 | 0.923 | 1.863 | 12.9 | 19.1 |
| 12 17 | 6 32.84 | +18 17.9 | 0.908 | 1.879 | 7.0 | 18.9 |
| 12 27 | 6 23.63 | +18 31.0 | 0.915 | 1.897 | 2.5 | 18.7 |
| 1 6 | 6 14.77 | +18 50.0 | 0.945 | 1.917 | 6.6 | 19.0 |
| 1 16 | 6 7.96 | +19 12.8 | 0.999 | 1.938 | 12.0 | 19.4 |
| 1 26 | 6 4.38 | +19 37.5 | 1.073 | 1.962 | 16.8 | 19.7 |
| 2 5 | 6 4.49 | +20 2.6 | 1.165 | 1.987 | 20.6 | 20.0 |

**273424** 2006 $WF_{55}$ 12 27.0 66.°40 3.°0/26.9 18

| 11 27 | 6 49.38 | +17 31.6 | 1.805 | 2.659 | 13.0 | 20.5 |
|---|---|---|---|---|---|---|
| 12 7 | 6 42.47 | +16 40.7 | 1.747 | 2.668 | 9.3 | 20.3 |
| 12 17 | 6 33.56 | +15 53.5 | 1.713 | 2.677 | 5.4 | 20.0 |
| 12 27 | 6 23.65 | +15 11.7 | 1.709 | 2.686 | 3.0 | 19.9 |
| 1 6 | 6 13.91 | +14 36.9 | 1.733 | 2.695 | 5.4 | 20.1 |
| 1 16 | 6 5.46 | +14 10.4 | 1.786 | 2.704 | 9.2 | 20.3 |
| 1 26 | 5 59.16 | +13 52.6 | 1.864 | 2.714 | 12.7 | 20.6 |
| 2 5 | 5 55.49 | +13 42.8 | 1.963 | 2.723 | 15.6 | 20.8 |

**491605** 2012 $TV_{21}$ 12 27.0 129.°75 0.°4/27.1 16

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.52 | +21 45.9 | 1.842 | 2.694 | 12.8 | 22.8 |
| 12 7 | 6 44.70 | +21 51.4 | 1.785 | 2.708 | 9.0 | 22.6 |
| 12 17 | 6 34.74 | +21 58.2 | 1.754 | 2.722 | 4.6 | 22.4 |
| 12 27 | 6 23.66 | +22 4.6 | 1.752 | 2.735 | 0.4 | 22.1 |
| 1 6 | 6 12.75 | +22 9.4 | 1.780 | 2.748 | 4.5 | 22.4 |
| 1 16 | 6 3.17 | +22 12.5 | 1.837 | 2.760 | 8.7 | 22.7 |
| 1 26 | 5 55.89 | +22 14.7 | 1.920 | 2.771 | 12.3 | 23.0 |
| 2 5 | 5 51.42 | +22 17.0 | 2.025 | 2.781 | 15.3 | 23.2 |

**414966** 2011 $CX_{22}$ 12 27.0 92.°76 0.°6/27.0 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.23 | +25 48.3 | 2.182 | 3.036 | 11.0 | 21.2 |
| 12 7 | 6 41.57 | +25 41.6 | 2.117 | 3.041 | 7.7 | 21.0 |
| 12 17 | 6 33.10 | +25 32.6 | 2.078 | 3.046 | 4.0 | 20.8 |
| 12 27 | 6 23.68 | +25 19.9 | 2.068 | 3.051 | 0.6 | 20.5 |
| 1 6 | 6 14.35 | +25 3.4 | 2.088 | 3.055 | 4.0 | 20.8 |
| 1 16 | 6 6.09 | +24 43.9 | 2.137 | 3.060 | 7.6 | 21.0 |
| 1 26 | 5 59.75 | +24 23.0 | 2.213 | 3.065 | 10.9 | 21.2 |
| 2 5 | 5 55.79 | +24 2.5 | 2.312 | 3.070 | 13.6 | 21.4 |

**5492** Thoma 12 27.0 58.°10 9.°9/28.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.40 | − 2 23.3 | 1.787 | 2.585 | 15.5 | 16.5 |
| 12 7 | 6 40.38 | − 3 22.8 | 1.740 | 2.598 | 13.0 | 16.3 |
| 12 17 | 6 32.51 | − 3 59.9 | 1.714 | 2.611 | 11.0 | 16.2 |
| 12 27 | 6 23.68 | − 4 10.6 | 1.713 | 2.625 | 10.0 | 16.2 |
| 1 6 | 6 14.98 | − 3 54.4 | 1.737 | 2.638 | 10.5 | 16.3 |
| 1 16 | 6 7.42 | − 3 14.0 | 1.786 | 2.652 | 12.3 | 16.4 |
| 1 26 | 6 1.83 | − 2 14.2 | 1.858 | 2.666 | 14.5 | 16.6 |
| 2 5 | 5 58.69 | − 1 1.6 | 1.950 | 2.680 | 16.7 | 16.8 |

**223596** 2004 $GK_{48}$ 12 27.0 13.°01 2.°7/27.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.40 | +18 33.4 | 1.094 | 1.975 | 17.4 | 20.1 |
| 12 7 | 6 42.81 | +18 14.4 | 1.042 | 1.977 | 12.4 | 19.8 |
| 12 17 | 6 34.11 | +18 2.4 | 1.011 | 1.981 | 6.9 | 19.5 |
| 12 27 | 6 23.69 | +17 57.4 | 1.004 | 1.986 | 2.7 | 19.3 |
| 1 6 | 6 13.39 | +17 58.8 | 1.022 | 1.991 | 6.6 | 19.5 |
| 1 16 | 6 4.96 | +18 6.1 | 1.063 | 1.998 | 12.1 | 19.9 |
| 1 26 | 5 59.71 | +18 18.5 | 1.126 | 2.006 | 16.9 | 20.2 |
| 2 5 | 5 58.22 | +18 34.6 | 1.206 | 2.014 | 20.9 | 20.5 |

**249898** 2001 $SG_{11}$ 12 27.0 49.°38 3.°6/27.3 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.34 | +15 7.3 | 1.594 | 2.451 | 14.2 | 20.5 |
| 12 7 | 6 41.89 | +14 40.8 | 1.546 | 2.467 | 10.3 | 20.3 |
| 12 17 | 6 33.32 | +14 22.6 | 1.522 | 2.484 | 6.1 | 20.1 |
| 12 27 | 6 23.69 | +14 13.3 | 1.525 | 2.501 | 3.6 | 19.9 |
| 1 6 | 6 14.29 | +14 12.8 | 1.556 | 2.518 | 5.8 | 20.1 |
| 1 16 | 6 6.28 | +14 20.4 | 1.614 | 2.536 | 9.7 | 20.4 |
| 1 26 | 6 0.59 | +14 34.8 | 1.696 | 2.554 | 13.3 | 20.7 |
| 2 5 | 5 57.68 | +14 54.2 | 1.799 | 2.572 | 16.4 | 20.9 |

**235751** 2004 $TM_{366}$ 12 27.0 130.°90 1.°2/27.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.34 | +20 38.1 | 1.839 | 2.692 | 12.8 | 20.3 |
| 12 7 | 6 43.89 | +20 26.3 | 1.779 | 2.703 | 9.0 | 20.1 |
| 12 17 | 6 34.34 | +20 16.4 | 1.745 | 2.713 | 4.7 | 19.9 |
| 12 27 | 6 23.70 | +20 7.7 | 1.740 | 2.722 | 1.2 | 19.6 |
| 1 6 | 6 13.20 | +19 59.9 | 1.764 | 2.731 | 4.6 | 19.9 |
| 1 16 | 6 3.99 | +19 53.4 | 1.817 | 2.740 | 8.8 | 20.2 |
| 1 26 | 5 57.02 | +19 48.8 | 1.896 | 2.748 | 12.4 | 20.4 |
| 2 5 | 5 52.79 | +19 46.6 | 1.996 | 2.756 | 15.4 | 20.6 |

**137662** 1999 $XJ_{16}$ 12 27.0 45.°08 9.°2/25.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.32 | +11 39.3 | 1.154 | 2.009 | 18.6 | 18.5 |
| 12 7 | 6 47.73 | + 8 43.4 | 1.113 | 2.025 | 14.2 | 18.3 |
| 12 17 | 6 36.34 | + 5 58.7 | 1.096 | 2.041 | 10.5 | 18.1 |
| 12 27 | 6 23.72 | + 3 37.4 | 1.105 | 2.058 | 9.3 | 18.1 |
| 1 6 | 6 11.66 | + 1 48.7 | 1.141 | 2.075 | 11.5 | 18.3 |
| 1 16 | 6 1.74 | + 0 36.1 | 1.202 | 2.093 | 15.1 | 18.5 |
| 1 26 | 5 55.04 | − 0 2.8 | 1.283 | 2.112 | 18.6 | 18.8 |
| 2 5 | 5 51.93 | − 0 14.8 | 1.381 | 2.130 | 21.5 | 19.1 |

**378019** 2006 $SL_{185}$ 12 27.0 12.°54 4.°3/26.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.68 | +31 13.5 | 1.089 | 1.969 | 17.6 | 20.9 |
| 12 7 | 6 45.47 | +31 41.5 | 1.038 | 1.971 | 12.7 | 20.6 |
| 12 17 | 6 35.61 | +32 0.5 | 1.007 | 1.974 | 7.5 | 20.3 |
| 12 27 | 6 23.72 | +32 4.1 | 1.000 | 1.977 | 4.3 | 20.2 |
| 1 6 | 6 11.98 | +31 49.9 | 1.017 | 1.982 | 7.6 | 20.4 |
| 1 16 | 6 2.47 | +31 20.4 | 1.058 | 1.988 | 12.7 | 20.7 |
| 1 26 | 5 56.67 | +30 41.6 | 1.120 | 1.995 | 17.4 | 21.0 |
| 2 5 | 5 55.15 | +29 59.4 | 1.200 | 2.002 | 21.3 | 21.2 |

**340051** 2005 $VK_{20}$ 12 27.0 157.°79 0.°9/27.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.06 | +20 5.3 | 1.948 | 2.796 | 12.4 | 22.0 |
| 12 7 | 6 44.39 | +20 13.2 | 1.883 | 2.804 | 8.7 | 21.8 |
| 12 17 | 6 34.62 | +20 24.2 | 1.845 | 2.812 | 4.6 | 21.6 |
| 12 27 | 6 23.73 | +20 36.4 | 1.835 | 2.818 | 0.9 | 21.3 |
| 1 6 | 6 12.88 | +20 48.6 | 1.857 | 2.824 | 4.4 | 21.6 |
| 1 16 | 6 3.22 | +21 0.1 | 1.907 | 2.829 | 8.5 | 21.8 |
| 1 26 | 5 55.70 | +21 11.2 | 1.984 | 2.833 | 12.1 | 22.1 |
| 2 5 | 5 50.87 | +21 22.2 | 2.083 | 2.837 | 15.0 | 22.3 |

**363486** 2003 $SV_{393}$ 12 27.0 274.°32 0.°5/26.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.85 | +22 55.7 | 1.716 | 2.577 | 13.2 | 20.8 |
| 12 7 | 6 43.32 | +23 26.7 | 1.640 | 2.568 | 9.3 | 20.5 |
| 12 17 | 6 34.29 | +24 0.3 | 1.589 | 2.558 | 4.8 | 20.3 |
| 12 27 | 6 23.73 | +24 33.1 | 1.566 | 2.549 | 0.5 | 19.9 |
| 1 6 | 6 12.98 | +25 2.1 | 1.571 | 2.540 | 4.9 | 20.2 |
| 1 16 | 6 3.39 | +25 25.7 | 1.605 | 2.530 | 9.5 | 20.5 |
| 1 26 | 5 56.15 | +25 44.3 | 1.663 | 2.521 | 13.6 | 20.7 |
| 2 5 | 5 51.95 | +25 59.0 | 1.742 | 2.512 | 17.0 | 20.9 |

**372146** 2008 $SH_{267}$ 12 27.0 158.°35 5.°5/26.4 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.66 | +44 14.7 | 3.048 | 3.853 | 9.5 | 21.7 |
| 12 7 | 6 44.58 | +44 54.5 | 2.987 | 3.861 | 7.7 | 21.6 |
| 12 17 | 6 34.65 | +45 22.3 | 2.952 | 3.867 | 6.1 | 21.5 |
| 12 27 | 6 23.74 | +45 34.3 | 2.946 | 3.874 | 5.5 | 21.4 |
| 1 6 | 6 12.87 | +45 29.3 | 2.969 | 3.880 | 6.3 | 21.5 |
| 1 16 | 6 3.05 | +45 8.2 | 3.021 | 3.885 | 7.9 | 21.6 |
| 1 26 | 5 55.13 | +44 34.2 | 3.100 | 3.890 | 9.7 | 21.7 |
| 2 5 | 5 49.60 | +43 51.7 | 3.201 | 3.894 | 11.4 | 21.9 |

**50887** 2000 $GD_{40}$ 12 27.0 29.°06 12.°3/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.34 | − 6 55.7 | 1.752 | 2.529 | 16.6 | 18.5 |
| 12 7 | 6 40.49 | − 8 22.8 | 1.699 | 2.532 | 14.6 | 18.4 |
| 12 17 | 6 32.65 | − 9 24.5 | 1.667 | 2.535 | 13.0 | 18.3 |
| 12 27 | 6 23.73 | − 9 54.8 | 1.658 | 2.538 | 12.3 | 18.3 |
| 1 6 | 6 14.84 | − 9 51.9 | 1.673 | 2.542 | 12.8 | 18.3 |
| 1 16 | 6 7.04 | − 9 17.6 | 1.710 | 2.546 | 14.3 | 18.4 |
| 1 26 | 6 1.24 | − 8 17.3 | 1.768 | 2.550 | 16.2 | 18.5 |
| 2 5 | 5 58.00 | − 6 58.5 | 1.844 | 2.555 | 18.1 | 18.7 |

**447927** 2008 $AV_5$ 12 27.0 2.°90 0.°8/27.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.60 | +20 35.3 | 1.381 | 2.253 | 15.0 | 20.5 |
| 12 7 | 6 41.95 | +20 48.8 | 1.320 | 2.252 | 10.6 | 20.2 |
| 12 17 | 6 33.61 | +21 7.1 | 1.282 | 2.252 | 5.6 | 20.0 |
| 12 27 | 6 23.74 | +21 27.9 | 1.270 | 2.253 | 0.8 | 19.6 |
| 1 6 | 6 13.84 | +21 48.9 | 1.284 | 2.254 | 5.4 | 19.9 |
| 1 16 | 6 5.41 | +22 8.7 | 1.324 | 2.257 | 10.4 | 20.2 |
| 1 26 | 5 59.67 | +22 27.1 | 1.388 | 2.260 | 14.9 | 20.5 |
| 2 5 | 5 57.25 | +22 44.2 | 1.471 | 2.263 | 18.5 | 20.8 |

**265944** 2006 $BL_{208}$ 12 27.0 265.°02 1.°4/27.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.58 | +19 4.8 | 2.280 | 3.130 | 10.8 | 20.7 |
| 12 7 | 6 40.49 | +18 58.6 | 2.197 | 3.118 | 7.6 | 20.5 |
| 12 17 | 6 32.63 | +18 55.4 | 2.140 | 3.106 | 4.2 | 20.3 |
| 12 27 | 6 23.74 | +18 54.7 | 2.112 | 3.094 | 1.4 | 20.1 |
| 1 6 | 6 14.75 | +18 56.2 | 2.115 | 3.081 | 4.1 | 20.2 |
| 1 16 | 6 6.59 | +18 59.4 | 2.147 | 3.068 | 7.7 | 20.4 |
| 1 26 | 6 0.10 | +19 4.5 | 2.205 | 3.056 | 11.0 | 20.6 |
| 2 5 | 5 55.83 | +19 11.4 | 2.286 | 3.043 | 13.8 | 20.8 |

**351447** 2005 $JV_{108}$ 12 27.0 262.°89 5.°1/28.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.39 | + 5 4.4 | 2.246 | 3.055 | 12.4 | 20.3 |
| 12 7 | 6 43.30 | + 5 35.0 | 2.143 | 3.029 | 9.7 | 20.1 |
| 12 17 | 6 34.19 | + 6 22.7 | 2.066 | 3.003 | 6.9 | 19.9 |
| 12 27 | 6 23.75 | + 7 27.4 | 2.018 | 2.976 | 5.2 | 19.7 |
| 1 6 | 6 12.91 | + 8 47.0 | 2.001 | 2.948 | 6.2 | 19.7 |
| 1 16 | 6 2.71 | +10 17.7 | 2.015 | 2.920 | 9.1 | 19.9 |
| 1 26 | 5 54.11 | +11 54.9 | 2.058 | 2.891 | 12.4 | 20.0 |
| 2 5 | 5 47.83 | +13 34.2 | 2.124 | 2.861 | 15.3 | 20.2 |

**93209** 2000 $SL_{125}$ 12 27.0 90.°02 3.°9/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.24 | +12 39.5 | 1.648 | 2.495 | 14.3 | 19.6 |
| 12 7 | 6 43.21 | +12 36.5 | 1.597 | 2.512 | 10.5 | 19.4 |
| 12 17 | 6 34.03 | +12 44.6 | 1.571 | 2.529 | 6.5 | 19.2 |
| 12 27 | 6 23.74 | +13 3.4 | 1.572 | 2.545 | 3.9 | 19.1 |
| 1 6 | 6 13.63 | +13 31.3 | 1.601 | 2.562 | 5.9 | 19.2 |
| 1 16 | 6 4.88 | +14 6.1 | 1.659 | 2.578 | 9.7 | 19.5 |
| 1 26 | 5 58.43 | +14 45.6 | 1.741 | 2.594 | 13.3 | 19.7 |
| 2 5 | 5 54.79 | +15 27.2 | 1.844 | 2.610 | 16.3 | 20.0 |

**196012** 2002 $RY_{250}$ 12 27.0 178.°87 4.°5/26.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.09 | +36 56.7 | 2.444 | 3.281 | 10.6 | 20.7 |
| 12 7 | 6 43.01 | +37 35.0 | 2.376 | 3.281 | 8.0 | 20.5 |
| 12 17 | 6 33.94 | +38 4.4 | 2.335 | 3.282 | 5.5 | 20.4 |
| 12 27 | 6 23.75 | +38 21.0 | 2.322 | 3.282 | 4.5 | 20.3 |
| 1 6 | 6 13.53 | +38 22.9 | 2.339 | 3.282 | 5.8 | 20.4 |
| 1 16 | 6 4.38 | +38 10.8 | 2.385 | 3.282 | 8.3 | 20.5 |
| 1 26 | 5 57.22 | +37 47.5 | 2.456 | 3.281 | 10.9 | 20.7 |
| 2 5 | 5 52.59 | +37 16.8 | 2.550 | 3.281 | 13.1 | 20.9 |

**171398** 2006 $QH_{42}$ 12 27.0 61.°51 0.°9/27.2 17 R

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 45.92 | +19 23.0 | 2.312 | 3.163 | 10.6 | 20.1 |
| 12 7 | 6 39.82 | +19 37.0 | 2.260 | 3.183 | 7.4 | 19.9 |
| 12 17 | 6 32.17 | +19 54.3 | 2.235 | 3.202 | 3.9 | 19.7 |
| 12 27 | 6 23.74 | +20 13.6 | 2.240 | 3.222 | 0.9 | 19.5 |
| 1 6 | 6 15.43 | +20 33.4 | 2.274 | 3.242 | 3.7 | 19.8 |
| 1 16 | 6 8.07 | +20 53.0 | 2.338 | 3.262 | 7.1 | 20.0 |
| 1 26 | 6 2.37 | +21 11.9 | 2.429 | 3.281 | 10.0 | 20.3 |
| 2 5 | 5 58.78 | +21 30.0 | 2.543 | 3.301 | 12.5 | 20.5 |

**439794** 2015 $HB_{57}$ 12 27.0 225.°59 0.°7/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.83 | +22 3.4 | 1.716 | 2.571 | 13.5 | 21.9 |
| 12 7 | 6 45.32 | +21 54.1 | 1.637 | 2.562 | 9.5 | 21.6 |
| 12 17 | 6 35.28 | +21 45.5 | 1.584 | 2.553 | 5.0 | 21.4 |
| 12 27 | 6 23.75 | +21 36.1 | 1.559 | 2.543 | 0.7 | 21.0 |
| 1 6 | 6 12.11 | +21 25.4 | 1.564 | 2.532 | 5.0 | 21.3 |
| 1 16 | 6 1.73 | +21 14.2 | 1.597 | 2.521 | 9.7 | 21.6 |
| 1 26 | 5 53.79 | +21 3.7 | 1.655 | 2.509 | 13.8 | 21.8 |
| 2 5 | 5 48.94 | +20 55.4 | 1.734 | 2.497 | 17.3 | 22.0 |

**244076** 2001 $TK_{210}$ 12 27.0 137.°29 2.°4/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.88 | +31 8.0 | 2.310 | 3.154 | 10.9 | 20.8 |
| 12 7 | 6 44.06 | +31 15.9 | 2.249 | 3.166 | 7.8 | 20.6 |
| 12 17 | 6 34.38 | +31 17.3 | 2.215 | 3.177 | 4.5 | 20.4 |
| 12 27 | 6 23.76 | +31 10.1 | 2.211 | 3.188 | 2.4 | 20.3 |
| 1 6 | 6 13.29 | +30 53.5 | 2.238 | 3.199 | 4.5 | 20.5 |
| 1 16 | 6 4.02 | +30 28.8 | 2.294 | 3.209 | 7.7 | 20.7 |
| 1 26 | 5 56.76 | +29 58.8 | 2.378 | 3.218 | 10.7 | 20.9 |
| 2 5 | 5 52.00 | +29 26.5 | 2.484 | 3.227 | 13.2 | 21.1 |

**309578** 2008 $AQ_{83}$ 12 27.0 250.°32 1.°2/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.65 | +25 29.0 | 1.847 | 2.706 | 12.5 | 20.5 |
| 12 7 | 6 42.97 | +25 52.1 | 1.778 | 2.704 | 8.8 | 20.3 |
| 12 17 | 6 34.02 | +26 14.4 | 1.733 | 2.702 | 4.6 | 20.1 |
| 12 27 | 6 23.76 | +26 32.7 | 1.717 | 2.700 | 1.2 | 19.8 |
| 1 6 | 6 13.44 | +26 45.0 | 1.731 | 2.698 | 4.7 | 20.1 |
| 1 16 | 6 4.30 | +26 51.0 | 1.772 | 2.696 | 8.9 | 20.3 |
| 1 26 | 5 57.41 | +26 51.9 | 1.839 | 2.693 | 12.6 | 20.5 |
| 2 5 | 5 53.37 | +26 49.6 | 1.927 | 2.691 | 15.7 | 20.7 |

**197156** 2003 $UL_{272}$ 12 27.0 127.°51 6.°0/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 45.09 | + 3 36.7 | 2.521 | 3.328 | 11.2 | 20.4 |
| 12 7 | 6 39.13 | + 2 56.9 | 2.460 | 3.337 | 9.0 | 20.3 |
| 12 17 | 6 31.80 | + 2 29.6 | 2.424 | 3.345 | 7.0 | 20.2 |
| 12 27 | 6 23.75 | + 2 16.8 | 2.417 | 3.353 | 6.0 | 20.1 |
| 1 6 | 6 15.76 | + 2 19.0 | 2.438 | 3.361 | 6.8 | 20.2 |
| 1 16 | 6 8.55 | + 2 35.2 | 2.488 | 3.369 | 8.6 | 20.3 |
| 1 26 | 6 2.77 | + 3 3.3 | 2.563 | 3.377 | 10.8 | 20.5 |
| 2 5 | 5 58.84 | + 3 40.2 | 2.660 | 3.384 | 12.8 | 20.6 |

**366532** 2002 $QY_{55}$ 12 27.0 76.°28 0.°6/26.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.77 | +24 39.5 | 2.224 | 3.078 | 10.9 | 21.5 |
| 12 7 | 6 41.20 | +24 52.9 | 2.170 | 3.094 | 7.5 | 21.3 |
| 12 17 | 6 32.92 | +25 5.5 | 2.143 | 3.111 | 3.9 | 21.1 |
| 12 27 | 6 23.77 | +25 15.4 | 2.145 | 3.128 | 0.6 | 20.8 |
| 1 6 | 6 14.74 | +25 21.5 | 2.177 | 3.144 | 3.9 | 21.1 |
| 1 16 | 6 6.78 | +25 23.7 | 2.238 | 3.161 | 7.4 | 21.4 |
| 1 26 | 6 0.67 | +25 23.1 | 2.326 | 3.177 | 10.5 | 21.6 |
| 2 5 | 5 56.85 | +25 20.6 | 2.437 | 3.194 | 13.0 | 21.8 |

**431287** 2006 $UG_{218}$ 12 27.0 191.°29 3.°8/26.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.66 | +31 53.2 | 1.726 | 2.577 | 13.6 | 21.9 |
| 12 7 | 6 47.46 | +32 32.1 | 1.658 | 2.576 | 9.9 | 21.7 |
| 12 17 | 6 36.45 | +33 3.8 | 1.614 | 2.574 | 6.0 | 21.5 |
| 12 27 | 6 23.79 | +33 22.9 | 1.598 | 2.572 | 3.8 | 21.3 |
| 1 6 | 6 11.07 | +33 26.5 | 1.612 | 2.569 | 6.3 | 21.5 |
| 1 16 | 5 59.85 | +33 15.3 | 1.653 | 2.566 | 10.2 | 21.7 |
| 1 26 | 5 51.40 | +32 53.1 | 1.719 | 2.562 | 13.9 | 21.9 |
| 2 5 | 5 46.39 | +32 24.9 | 1.806 | 2.557 | 17.1 | 22.1 |

**262128** 2006 $SV_{32}$ 12 27.0 33.°64 0.°4/27.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.02 | +23 50.1 | 1.257 | 2.130 | 16.2 | 20.3 |
| 12 7 | 6 45.23 | +23 56.9 | 1.201 | 2.133 | 11.4 | 20.0 |
| 12 17 | 6 35.36 | +24 3.9 | 1.166 | 2.137 | 5.9 | 19.7 |
| 12 27 | 6 23.79 | +24 8.2 | 1.158 | 2.141 | 0.4 | 19.4 |
| 1 6 | 6 12.30 | +24 8.1 | 1.175 | 2.145 | 5.8 | 19.8 |
| 1 16 | 6 2.63 | +24 4.0 | 1.219 | 2.150 | 11.2 | 20.1 |
| 1 26 | 5 56.11 | +23 57.9 | 1.285 | 2.155 | 15.9 | 20.4 |
| 2 5 | 5 53.33 | +23 51.6 | 1.369 | 2.160 | 19.7 | 20.6 |

**516595** 2007 $HC_{73}$ 12 27.0 269.°32 0.°3/27.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.04 | +23 3.7 | 1.613 | 2.474 | 13.8 | 21.8 |
| 12 7 | 6 44.33 | +23 21.6 | 1.533 | 2.461 | 9.8 | 21.5 |
| 12 17 | 6 34.90 | +23 41.3 | 1.477 | 2.447 | 5.1 | 21.2 |
| 12 27 | 6 23.80 | +23 59.9 | 1.449 | 2.433 | 0.3 | 20.8 |
| 1 6 | 6 12.43 | +24 14.9 | 1.450 | 2.418 | 5.2 | 21.2 |
| 1 16 | 6 2.30 | +24 25.6 | 1.477 | 2.404 | 10.1 | 21.4 |
| 1 26 | 5 54.69 | +24 32.7 | 1.530 | 2.389 | 14.4 | 21.6 |
| 2 5 | 5 50.35 | +24 37.7 | 1.602 | 2.375 | 18.1 | 21.8 |

**314256** 2005 $QA_{122}$ 12 27.0 342.°44 2.°5/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.50 | +16 33.4 | 1.886 | 2.739 | 12.5 | 21.1 |
| 12 7 | 6 41.31 | +16 25.5 | 1.817 | 2.738 | 9.0 | 20.9 |
| 12 17 | 6 33.11 | +16 23.6 | 1.774 | 2.738 | 5.1 | 20.7 |
| 12 27 | 6 23.79 | +16 27.6 | 1.758 | 2.737 | 2.5 | 20.5 |
| 1 6 | 6 14.45 | +16 36.9 | 1.772 | 2.737 | 4.9 | 20.6 |
| 1 16 | 6 6.18 | +16 50.5 | 1.814 | 2.736 | 8.8 | 20.9 |
| 1 26 | 5 59.92 | +17 7.7 | 1.881 | 2.736 | 12.3 | 21.1 |
| 2 5 | 5 56.20 | +17 27.6 | 1.969 | 2.736 | 15.4 | 21.3 |

**8884** 1994 $CM_2$ 12 27.0 25.°16 1.°8/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.63 | +28 9.3 | 1.309 | 2.178 | 15.9 | 16.9 |
| 12 7 | 6 46.32 | +28 0.3 | 1.249 | 2.179 | 11.3 | 16.7 |
| 12 17 | 6 35.90 | +27 44.9 | 1.212 | 2.181 | 6.1 | 16.4 |
| 12 27 | 6 23.80 | +27 20.4 | 1.201 | 2.183 | 1.8 | 16.1 |
| 1 6 | 6 11.85 | +26 46.6 | 1.217 | 2.185 | 6.0 | 16.4 |
| 1 16 | 6 1.81 | +26 6.5 | 1.259 | 2.188 | 11.2 | 16.7 |
| 1 26 | 5 54.98 | +25 24.8 | 1.324 | 2.191 | 15.7 | 17.0 |
| 2 5 | 5 51.93 | +24 45.3 | 1.407 | 2.194 | 19.5 | 17.2 |

**40757** 1999 $TS_8$ 12 27.1 103.°85 2.°2/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.39 | +28 46.7 | 1.872 | 2.724 | 12.7 | 19.6 |
| 12 7 | 6 45.36 | +29 7.3 | 1.822 | 2.744 | 8.9 | 19.4 |
| 12 17 | 6 35.13 | +29 23.0 | 1.798 | 2.763 | 4.9 | 19.2 |
| 12 27 | 6 23.81 | +29 30.4 | 1.803 | 2.782 | 2.2 | 19.1 |
| 1 6 | 6 12.73 | +29 28.3 | 1.837 | 2.801 | 4.9 | 19.3 |
| 1 16 | 6 3.11 | +29 17.7 | 1.900 | 2.819 | 8.7 | 19.5 |
| 1 26 | 5 55.91 | +29 1.2 | 1.990 | 2.837 | 12.1 | 19.8 |
| 2 5 | 5 51.61 | +28 41.9 | 2.100 | 2.854 | 14.9 | 20.0 |

**469363** 2001 $KZ_{77}$ 12 27.1 49.°55 1.°6/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.86 | +25 12.6 | 1.206 | 2.080 | 16.6 | 20.4 |
| 12 7 | 6 45.68 | +25 48.3 | 1.169 | 2.102 | 11.6 | 20.2 |
| 12 17 | 6 35.48 | +26 22.8 | 1.154 | 2.124 | 6.0 | 19.9 |
| 12 27 | 6 23.82 | +26 51.0 | 1.165 | 2.147 | 1.6 | 19.7 |
| 1 6 | 6 12.54 | +27 9.8 | 1.202 | 2.171 | 6.0 | 20.1 |
| 1 16 | 6 3.33 | +27 19.3 | 1.264 | 2.194 | 11.1 | 20.4 |
| 1 26 | 5 57.38 | +27 21.8 | 1.350 | 2.218 | 15.4 | 20.7 |
| 2 5 | 5 55.13 | +27 20.0 | 1.454 | 2.243 | 18.9 | 21.0 |

**138492** 2000 $KF_{34}$ 12 27.1 80.°45 1.°4/26.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.38 | +25 26.8 | 1.877 | 2.732 | 12.5 | 19.4 |
| 12 7 | 6 43.96 | +26 9.1 | 1.830 | 2.755 | 8.7 | 19.2 |
| 12 17 | 6 34.43 | +26 50.2 | 1.810 | 2.778 | 4.6 | 19.0 |
| 12 27 | 6 23.82 | +27 26.2 | 1.818 | 2.800 | 1.4 | 18.8 |
| 1 6 | 6 13.38 | +27 54.5 | 1.857 | 2.822 | 4.6 | 19.1 |
| 1 16 | 6 4.29 | +28 14.5 | 1.924 | 2.845 | 8.5 | 19.4 |
| 1 26 | 5 57.47 | +28 27.2 | 2.017 | 2.866 | 11.9 | 19.6 |
| 2 5 | 5 53.42 | +28 34.7 | 2.131 | 2.888 | 14.6 | 19.9 |

**518425** 2002 $CQ_{70}$ 12 27.1 272.°52 2.°5/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.29 | +29 31.8 | 1.644 | 2.503 | 13.7 | 21.1 |
| 12 7 | 6 45.17 | +29 41.4 | 1.568 | 2.493 | 9.8 | 20.8 |
| 12 17 | 6 35.30 | +29 45.0 | 1.517 | 2.483 | 5.5 | 20.5 |
| 12 27 | 6 23.83 | +29 39.0 | 1.493 | 2.473 | 2.5 | 20.3 |
| 1 6 | 6 12.26 | +29 22.0 | 1.498 | 2.463 | 5.6 | 20.5 |
| 1 16 | 6 2.10 | +28 55.3 | 1.530 | 2.453 | 10.1 | 20.7 |
| 1 26 | 5 54.63 | +28 22.6 | 1.587 | 2.443 | 14.2 | 20.9 |
| 2 5 | 5 50.50 | +27 47.8 | 1.663 | 2.433 | 17.6 | 21.2 |

**47825** 2000 $EO_{103}$ 12 27.1 66.°61 0.°2/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.17 | +21 0.9 | 2.146 | 3.000 | 11.2 | 18.9 |
| 12 7 | 6 40.94 | +21 33.6 | 2.083 | 3.008 | 7.8 | 18.7 |
| 12 17 | 6 32.89 | +22 9.4 | 2.047 | 3.016 | 4.0 | 18.5 |
| 12 27 | 6 23.83 | +22 45.8 | 2.040 | 3.024 | 0.2 | 18.2 |
| 1 6 | 6 14.77 | +23 20.5 | 2.063 | 3.032 | 3.9 | 18.5 |
| 1 16 | 6 6.69 | +23 52.0 | 2.116 | 3.040 | 7.6 | 18.8 |
| 1 26 | 6 0.43 | +24 19.8 | 2.195 | 3.048 | 10.9 | 19.0 |
| 2 5 | 5 56.51 | +24 44.3 | 2.297 | 3.056 | 13.6 | 19.2 |

**158236** 2001 $SR_{307}$ 12 27.1 332.°80 0.°5/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.92 | +20 53.2 | 1.284 | 2.158 | 15.8 | 19.1 |
| 12 7 | 6 43.22 | +21 15.3 | 1.215 | 2.149 | 11.2 | 18.8 |
| 12 17 | 6 34.47 | +21 43.2 | 1.169 | 2.140 | 5.9 | 18.5 |
| 12 27 | 6 23.85 | +22 13.6 | 1.148 | 2.132 | 0.5 | 18.0 |
| 1 6 | 6 13.01 | +22 43.4 | 1.154 | 2.124 | 5.8 | 18.4 |
| 1 16 | 6 3.68 | +23 10.5 | 1.184 | 2.117 | 11.3 | 18.7 |
| 1 26 | 5 57.27 | +23 34.4 | 1.238 | 2.111 | 16.1 | 19.0 |
| 2 5 | 5 54.57 | +23 55.5 | 1.309 | 2.106 | 20.1 | 19.2 |

**336102** 2008 $HB_{59}$ 12 27.1 144.°40 1.°9/27.2 15

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.44 | +18 6.8 | 1.885 | 2.732 | 12.8 | 22.7 |
| 12 7 | 6 44.67 | +18 2.6 | 1.824 | 2.744 | 9.1 | 22.5 |
| 12 17 | 6 34.82 | +18 2.7 | 1.790 | 2.755 | 5.0 | 22.3 |
| 12 27 | 6 23.88 | +18 6.5 | 1.784 | 2.765 | 1.9 | 22.1 |
| 1 6 | 6 13.05 | +18 12.9 | 1.809 | 2.775 | 4.7 | 22.3 |
| 1 16 | 6 3.48 | +18 21.6 | 1.863 | 2.784 | 8.7 | 22.6 |
| 1 26 | 5 56.09 | +18 32.3 | 1.943 | 2.792 | 12.3 | 22.8 |
| 2 5 | 5 51.41 | +18 44.9 | 2.045 | 2.799 | 15.3 | 23.0 |

**328439** 2008 $TW_{32}$ 12 27.1 125.°13 3.°4/26.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.65 | +34 5.2 | 2.672 | 3.511 | 9.7 | 20.9 |
| 12 7 | 6 42.51 | +34 42.2 | 2.614 | 3.524 | 7.1 | 20.7 |
| 12 17 | 6 33.65 | +35 12.5 | 2.583 | 3.537 | 4.6 | 20.6 |
| 12 27 | 6 23.89 | +35 32.9 | 2.582 | 3.549 | 3.4 | 20.5 |
| 1 6 | 6 14.18 | +35 41.8 | 2.611 | 3.561 | 4.8 | 20.7 |
| 1 16 | 6 5.44 | +35 39.7 | 2.670 | 3.573 | 7.3 | 20.8 |
| 1 26 | 5 58.46 | +35 28.4 | 2.756 | 3.584 | 9.7 | 21.0 |
| 2 5 | 5 53.72 | +35 10.9 | 2.865 | 3.595 | 11.9 | 21.2 |

**133658** 2003 $UZ_{169}$ 12 27.1 20.°81 3.°4/26.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.72 | +31 4.8 | 2.003 | 2.858 | 11.8 | 19.7 |
| 12 7 | 6 42.34 | +31 54.2 | 1.940 | 2.861 | 8.5 | 19.5 |
| 12 17 | 6 33.75 | +32 38.8 | 1.903 | 2.864 | 5.2 | 19.3 |
| 12 27 | 6 23.90 | +33 14.1 | 1.894 | 2.867 | 3.4 | 19.2 |
| 1 6 | 6 14.00 | +33 37.2 | 1.914 | 2.871 | 5.5 | 19.3 |
| 1 16 | 6 5.25 | +33 47.8 | 1.961 | 2.875 | 8.8 | 19.6 |
| 1 26 | 5 58.67 | +33 47.7 | 2.035 | 2.879 | 12.0 | 19.8 |
| 2 5 | 5 54.86 | +33 40.0 | 2.129 | 2.883 | 14.7 | 20.0 |

**450365** 2005 $AV_{39}$ 12 27.1 33.°71 2.°6/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 46.56 | +14 39.4 | 1.775 | 2.629 | 13.1 | 20.1 |
| 12 7 | 6 40.70 | +15 3.8 | 1.719 | 2.640 | 9.4 | 19.9 |
| 12 17 | 6 32.84 | +15 37.7 | 1.688 | 2.651 | 5.4 | 19.7 |
| 12 27 | 6 23.90 | +16 19.5 | 1.685 | 2.663 | 2.6 | 19.5 |
| 1 6 | 6 15.00 | +17 6.5 | 1.710 | 2.676 | 4.9 | 19.7 |
| 1 16 | 6 7.25 | +17 55.8 | 1.763 | 2.689 | 8.8 | 20.0 |
| 1 26 | 6 1.56 | +18 45.2 | 1.842 | 2.702 | 12.3 | 20.2 |
| 2 5 | 5 58.45 | +19 33.0 | 1.942 | 2.716 | 15.3 | 20.5 |

**21832** 1999 $TZ_{93}$ 12 27.1 149.°24 2.°0/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.59 | +17 38.7 | 1.786 | 2.640 | 13.1 | 18.7 |
| 12 7 | 6 42.88 | +17 40.4 | 1.720 | 2.643 | 9.3 | 18.5 |
| 12 17 | 6 34.00 | +17 47.9 | 1.680 | 2.645 | 5.2 | 18.3 |
| 12 27 | 6 23.91 | +18 0.1 | 1.667 | 2.648 | 2.0 | 18.1 |
| 1 6 | 6 13.82 | +18 15.8 | 1.683 | 2.650 | 4.9 | 18.3 |
| 1 16 | 6 4.91 | +18 34.0 | 1.728 | 2.652 | 9.0 | 18.5 |
| 1 26 | 5 58.18 | +18 53.9 | 1.798 | 2.654 | 12.8 | 18.7 |
| 2 5 | 5 54.20 | +19 15.0 | 1.890 | 2.656 | 15.9 | 19.0 |

**292822** 2006 $UU_{266}$ 12 27.1 94.°06 2.°4/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.88 | +16 39.1 | 1.904 | 2.754 | 12.5 | 20.9 |
| 12 7 | 6 42.17 | +16 27.9 | 1.847 | 2.767 | 9.0 | 20.7 |
| 12 17 | 6 33.54 | +16 22.6 | 1.816 | 2.779 | 5.1 | 20.5 |
| 12 27 | 6 23.93 | +16 22.8 | 1.813 | 2.792 | 2.4 | 20.4 |
| 1 6 | 6 14.43 | +16 28.0 | 1.839 | 2.804 | 4.8 | 20.6 |
| 1 16 | 6 6.11 | +16 37.5 | 1.894 | 2.816 | 8.5 | 20.8 |
| 1 26 | 5 59.81 | +16 50.7 | 1.975 | 2.828 | 12.0 | 21.1 |
| 2 5 | 5 56.03 | +17 6.8 | 2.078 | 2.839 | 14.8 | 21.3 |

**182251** 2001 $FZ_{93}$ 12 27.1 320.°20 3.°3/26.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.27 | +27 42.5 | 1.291 | 2.162 | 15.9 | 19.4 |
| 12 7 | 6 45.80 | +28 42.9 | 1.225 | 2.155 | 11.4 | 19.1 |
| 12 17 | 6 35.93 | +29 42.4 | 1.181 | 2.149 | 6.4 | 18.8 |
| 12 27 | 6 23.95 | +30 33.7 | 1.164 | 2.143 | 3.3 | 18.6 |
| 1 6 | 6 11.69 | +31 11.0 | 1.172 | 2.137 | 6.9 | 18.8 |
| 1 16 | 6 1.09 | +31 32.4 | 1.206 | 2.131 | 12.0 | 19.1 |
| 1 26 | 5 53.74 | +31 40.5 | 1.263 | 2.126 | 16.6 | 19.3 |
| 2 5 | 5 50.46 | +31 39.4 | 1.337 | 2.122 | 20.4 | 19.6 |

**194643** 2001 $XO_{172}$ 12 27.1 331.°69 1.°5/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.16 | +19 40.8 | 1.293 | 2.167 | 15.7 | 20.0 |
| 12 7 | 6 42.67 | +19 41.0 | 1.223 | 2.155 | 11.2 | 19.7 |
| 12 17 | 6 34.21 | +19 47.0 | 1.174 | 2.144 | 6.1 | 19.4 |
| 12 27 | 6 23.95 | +19 57.3 | 1.151 | 2.134 | 1.6 | 19.1 |
| 1 6 | 6 13.49 | +20 10.4 | 1.154 | 2.124 | 5.9 | 19.3 |
| 1 16 | 6 4.47 | +20 25.1 | 1.182 | 2.115 | 11.3 | 19.6 |
| 1 26 | 5 58.30 | +20 41.1 | 1.232 | 2.107 | 16.1 | 19.8 |
| 2 5 | 5 55.72 | +20 58.1 | 1.301 | 2.100 | 20.1 | 20.1 |

**120354** Mikejones 12 27.1 187.°19 0.°5/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.86 | +21 25.7 | 1.902 | 2.752 | 12.6 | 21.3 |
| 12 7 | 6 45.16 | +21 33.6 | 1.830 | 2.752 | 8.9 | 21.1 |
| 12 17 | 6 35.21 | +21 43.3 | 1.784 | 2.751 | 4.6 | 20.9 |
| 12 27 | 6 23.98 | +21 53.0 | 1.766 | 2.750 | 0.5 | 20.5 |
| 1 6 | 6 12.69 | +22 1.3 | 1.780 | 2.747 | 4.5 | 20.8 |
| 1 16 | 6 2.59 | +22 7.8 | 1.822 | 2.744 | 8.8 | 21.1 |
| 1 26 | 5 54.70 | +22 13.1 | 1.890 | 2.740 | 12.5 | 21.3 |
| 2 5 | 5 49.63 | +22 18.1 | 1.981 | 2.735 | 15.7 | 21.5 |

**206552** 2003 $UW_{235}$ 12 27.1 357.°39 0.°4/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.14 | +25 12.5 | 1.319 | 2.194 | 15.4 | 19.8 |
| 12 7 | 6 43.20 | +24 54.6 | 1.257 | 2.191 | 10.9 | 19.5 |
| 12 17 | 6 34.38 | +24 33.9 | 1.218 | 2.189 | 5.7 | 19.2 |
| 12 27 | 6 23.97 | +24 9.2 | 1.204 | 2.187 | 0.4 | 18.8 |
| 1 6 | 6 13.61 | +23 40.7 | 1.216 | 2.186 | 5.6 | 19.2 |
| 1 16 | 6 4.91 | +23 10.4 | 1.254 | 2.187 | 10.8 | 19.5 |
| 1 26 | 5 59.13 | +22 41.2 | 1.315 | 2.188 | 15.4 | 19.7 |
| 2 5 | 5 56.86 | +22 15.3 | 1.395 | 2.190 | 19.2 | 20.0 |

**195829** 2002 $QH_{55}$ 12 27.1 146.°48 2.°0/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 45.96 | +15 28.3 | 2.552 | 3.393 | 10.1 | 20.5 |
| 12 7 | 6 39.88 | +15 38.0 | 2.484 | 3.399 | 7.2 | 20.4 |
| 12 17 | 6 32.32 | +15 53.4 | 2.442 | 3.404 | 4.2 | 20.2 |
| 12 27 | 6 23.96 | +16 13.9 | 2.431 | 3.409 | 2.0 | 20.0 |
| 1 6 | 6 15.59 | +16 38.2 | 2.450 | 3.414 | 3.9 | 20.2 |
| 1 16 | 6 8.01 | +17 5.2 | 2.499 | 3.418 | 6.9 | 20.4 |
| 1 26 | 6 1.89 | +17 33.8 | 2.576 | 3.422 | 9.7 | 20.6 |
| 2 5 | 5 57.70 | +18 3.2 | 2.676 | 3.426 | 12.1 | 20.7 |

**307910** 2004 $CJ_{109}$ 12 27.1 315.°65 8.°4/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 45.94 | + 3 28.2 | 1.632 | 2.460 | 15.4 | 20.0 |
| 12 7 | 6 40.57 | + 2 42.4 | 1.556 | 2.445 | 12.5 | 19.7 |
| 12 17 | 6 32.95 | + 2 15.0 | 1.502 | 2.431 | 9.8 | 19.6 |
| 12 27 | 6 23.97 | + 2 9.9 | 1.473 | 2.417 | 8.4 | 19.4 |
| 1 6 | 6 14.78 | + 2 28.4 | 1.470 | 2.403 | 9.5 | 19.5 |
| 1 16 | 6 6.62 | + 3 9.0 | 1.492 | 2.389 | 12.3 | 19.6 |
| 1 26 | 6 0.55 | + 4 7.5 | 1.537 | 2.376 | 15.5 | 19.8 |
| 2 5 | 5 57.26 | + 5 18.1 | 1.601 | 2.364 | 18.5 | 19.9 |

**1598** Paloque 12 27.1 222.°24 1.°9/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.10 | +28 38.7 | 1.636 | 2.493 | 13.9 | 16.6 |
| 12 7 | 6 46.39 | +28 36.2 | 1.564 | 2.488 | 9.9 | 16.4 |
| 12 17 | 6 35.96 | +28 27.7 | 1.516 | 2.483 | 5.4 | 16.1 |
| 12 27 | 6 23.99 | +28 10.2 | 1.497 | 2.478 | 1.9 | 15.9 |
| 1 6 | 6 12.02 | +27 43.3 | 1.506 | 2.473 | 5.4 | 16.1 |
| 1 16 | 6 1.57 | +27 8.8 | 1.543 | 2.467 | 10.0 | 16.3 |
| 1 26 | 5 53.83 | +26 30.6 | 1.605 | 2.460 | 14.1 | 16.6 |
| 2 5 | 5 49.44 | +25 52.7 | 1.687 | 2.454 | 17.5 | 16.8 |

**1161** Thessalia 12 27.1 63.°31 1.°7/26.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.95 | +26 53.4 | 2.187 | 3.042 | 11.0 | 15.9 |
| 12 7 | 6 41.57 | +27 32.7 | 2.126 | 3.049 | 7.7 | 15.7 |
| 12 17 | 6 33.30 | +28 10.4 | 2.091 | 3.057 | 4.2 | 15.5 |
| 12 27 | 6 23.98 | +28 43.1 | 2.085 | 3.066 | 1.7 | 15.3 |
| 1 6 | 6 14.66 | +29 8.7 | 2.109 | 3.074 | 4.3 | 15.5 |
| 1 16 | 6 6.36 | +29 26.4 | 2.163 | 3.082 | 7.8 | 15.8 |
| 1 26 | 5 59.95 | +29 37.0 | 2.243 | 3.090 | 10.9 | 16.0 |
| 2 5 | 5 55.97 | +29 42.3 | 2.344 | 3.099 | 13.5 | 16.2 |

**329557** 2002 $UJ_{14}$ 12 27.1 154.°20 5.°7/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 44.66 | + 3 49.7 | 2.666 | 3.473 | 10.7 | 20.9 |
| 12 7 | 6 38.88 | + 3 14.5 | 2.600 | 3.477 | 8.6 | 20.8 |
| 12 17 | 6 31.78 | + 2 51.0 | 2.560 | 3.481 | 6.6 | 20.7 |
| 12 27 | 6 23.98 | + 2 41.0 | 2.548 | 3.485 | 5.7 | 20.6 |
| 1 6 | 6 16.19 | + 2 45.0 | 2.564 | 3.489 | 6.4 | 20.6 |
| 1 16 | 6 9.11 | + 3 2.0 | 2.610 | 3.492 | 8.2 | 20.8 |
| 1 26 | 6 3.37 | + 3 30.1 | 2.681 | 3.495 | 10.4 | 20.9 |
| 2 5 | 5 59.39 | + 4 6.6 | 2.774 | 3.498 | 12.3 | 21.1 |

**147061** 2002 $RJ_{121}$ 12 27.1 63.°91 1.°4/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.95 | +21 34.8 | 1.317 | 2.185 | 15.9 | 19.3 |
| 12 7 | 6 45.61 | +21 5.1 | 1.267 | 2.197 | 11.2 | 19.0 |
| 12 17 | 6 35.50 | +20 36.7 | 1.240 | 2.209 | 5.9 | 18.8 |
| 12 27 | 6 24.00 | +20 9.6 | 1.239 | 2.221 | 1.4 | 18.5 |
| 1 6 | 6 12.80 | +19 44.5 | 1.265 | 2.234 | 5.7 | 18.8 |
| 1 16 | 6 3.43 | +19 22.9 | 1.317 | 2.246 | 10.8 | 19.1 |
| 1 26 | 5 57.02 | +19 6.4 | 1.393 | 2.259 | 15.2 | 19.4 |
| 2 5 | 5 54.08 | +18 55.4 | 1.488 | 2.272 | 18.7 | 19.7 |

**425774** 2011 $CD_{40}$ 12 27.1 198.°98 1.°9/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 46.21 | +15 28.6 | 2.589 | 3.429 | 10.0 | 21.4 |
| 12 7 | 6 40.10 | +15 43.7 | 2.512 | 3.426 | 7.2 | 21.2 |
| 12 17 | 6 32.48 | +16 4.7 | 2.462 | 3.424 | 4.1 | 21.0 |
| 12 27 | 6 23.99 | +16 30.8 | 2.442 | 3.421 | 2.0 | 20.8 |
| 1 6 | 6 15.43 | +17 0.5 | 2.453 | 3.417 | 3.8 | 21.0 |
| 1 16 | 6 7.59 | +17 32.7 | 2.495 | 3.414 | 6.9 | 21.2 |
| 1 26 | 6 1.19 | +18 6.1 | 2.564 | 3.410 | 9.8 | 21.3 |
| 2 5 | 5 56.72 | +18 39.8 | 2.656 | 3.405 | 12.2 | 21.5 |

**130772** 2000 $SD_{326}$ 12 27.1 208.°68 5.°7/26.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.31 | +37 11.0 | 1.864 | 2.705 | 13.2 | 20.4 |
| 12 7 | 6 47.31 | +38 0.4 | 1.795 | 2.701 | 10.0 | 20.2 |
| 12 17 | 6 36.50 | +38 38.9 | 1.750 | 2.697 | 7.0 | 20.0 |
| 12 27 | 6 24.02 | +39 0.0 | 1.733 | 2.693 | 5.7 | 19.9 |
| 1 6 | 6 11.44 | +39 0.8 | 1.744 | 2.688 | 7.3 | 20.0 |
| 1 16 | 6 0.32 | +38 42.2 | 1.783 | 2.683 | 10.4 | 20.2 |
| 1 26 | 5 51.94 | +38 8.8 | 1.847 | 2.677 | 13.7 | 20.4 |
| 2 5 | 5 46.98 | +37 26.7 | 1.931 | 2.671 | 16.5 | 20.5 |

**358734** 2008 $CH_{39}$ 12 27.1 41.°25 2.°3/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.09 | +16 20.5 | 1.769 | 2.623 | 13.1 | 20.5 |
| 12 7 | 6 41.88 | +16 30.9 | 1.704 | 2.626 | 9.4 | 20.3 |
| 12 17 | 6 33.54 | +16 49.0 | 1.665 | 2.629 | 5.3 | 20.0 |
| 12 27 | 6 24.00 | +17 13.5 | 1.653 | 2.633 | 2.3 | 19.9 |
| 1 6 | 6 14.45 | +17 42.5 | 1.670 | 2.636 | 5.0 | 20.0 |
| 1 16 | 6 6.04 | +18 14.3 | 1.714 | 2.640 | 9.0 | 20.3 |
| 1 26 | 5 59.75 | +18 47.4 | 1.785 | 2.643 | 12.7 | 20.5 |
| 2 5 | 5 56.17 | +19 20.6 | 1.876 | 2.647 | 15.8 | 20.7 |

**335291** 2005 $PG_1$ 12 27.1 133.°76 5.°1/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.60 | +35 59.3 | 1.707 | 2.551 | 14.1 | 20.7 |
| 12 7 | 6 48.78 | +36 28.1 | 1.651 | 2.562 | 10.5 | 20.5 |
| 12 17 | 6 37.14 | +36 44.5 | 1.620 | 2.573 | 6.9 | 20.3 |
| 12 27 | 6 24.05 | +36 43.3 | 1.616 | 2.583 | 5.1 | 20.2 |
| 1 6 | 6 11.18 | +36 22.9 | 1.641 | 2.592 | 6.9 | 20.4 |
| 1 16 | 6 0.12 | +35 45.9 | 1.694 | 2.601 | 10.4 | 20.6 |
| 1 26 | 5 52.05 | +34 58.1 | 1.771 | 2.610 | 13.8 | 20.8 |
| 2 5 | 5 47.49 | +34 5.7 | 1.869 | 2.618 | 16.7 | 21.0 |

**76491** 2000 $GN_7$ 12 27.1 335.°84 9.°4/28.4 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 44.61 | + 2 24.2 | 1.380 | 2.217 | 17.2 | 18.3 |
| 12 7 | 6 39.97 | + 1 52.5 | 1.307 | 2.201 | 14.0 | 18.1 |
| 12 17 | 6 32.79 | + 1 44.6 | 1.255 | 2.186 | 11.1 | 17.9 |
| 12 27 | 6 24.03 | + 2 4.8 | 1.225 | 2.171 | 9.4 | 17.7 |
| 1 6 | 6 15.01 | + 2 53.5 | 1.220 | 2.158 | 10.4 | 17.8 |
| 1 16 | 6 7.13 | + 4 7.4 | 1.239 | 2.146 | 13.4 | 17.9 |
| 1 26 | 6 1.64 | + 5 39.6 | 1.280 | 2.135 | 16.9 | 18.1 |
| 2 5 | 5 59.28 | + 7 22.2 | 1.339 | 2.126 | 20.3 | 18.3 |

**427142** 2014 $UB_{139}$ 12 27.1 259.°67 2.°1/27.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.04 | +17 54.2 | 2.217 | 3.066 | 11.1 | 21.5 |
| 12 7 | 6 40.84 | +17 27.7 | 2.143 | 3.063 | 7.9 | 21.2 |
| 12 17 | 6 32.91 | +17 4.4 | 2.095 | 3.059 | 4.5 | 21.0 |
| 12 27 | 6 24.03 | +16 44.8 | 2.076 | 3.055 | 2.1 | 20.9 |
| 1 6 | 6 15.15 | +16 29.1 | 2.088 | 3.052 | 4.4 | 21.0 |
| 1 16 | 6 7.19 | +16 18.0 | 2.128 | 3.048 | 7.8 | 21.2 |
| 1 26 | 6 0.95 | +16 11.5 | 2.195 | 3.044 | 11.1 | 21.4 |
| 2 5 | 5 56.93 | +16 9.5 | 2.284 | 3.040 | 13.8 | 21.6 |

**140323** 2001 $SD_{337}$ 12 27.1 154.°97 2.°2/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.62 | +16 57.0 | 2.172 | 3.018 | 11.4 | 21.0 |
| 12 7 | 6 41.91 | +16 42.5 | 2.106 | 3.023 | 8.2 | 20.8 |
| 12 17 | 6 33.45 | +16 32.6 | 2.065 | 3.028 | 4.7 | 20.6 |
| 12 27 | 6 24.04 | +16 27.3 | 2.054 | 3.032 | 2.2 | 20.4 |
| 1 6 | 6 14.68 | +16 26.2 | 2.073 | 3.036 | 4.5 | 20.6 |
| 1 16 | 6 6.31 | +16 29.2 | 2.121 | 3.040 | 7.9 | 20.8 |
| 1 26 | 5 59.73 | +16 36.0 | 2.196 | 3.043 | 11.1 | 21.0 |
| 2 5 | 5 55.44 | +16 45.9 | 2.293 | 3.046 | 13.8 | 21.2 |

**272691** 2005 $XS_{68}$ 12 27.1 159.°38 0.°8/27.0 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.98 | +24 51.7 | 1.928 | 2.780 | 12.4 | 21.6 |
| 12 7 | 6 45.21 | +25 6.1 | 1.863 | 2.786 | 8.7 | 21.4 |
| 12 17 | 6 35.24 | +25 19.3 | 1.825 | 2.792 | 4.5 | 21.1 |
| 12 27 | 6 24.06 | +25 28.7 | 1.815 | 2.798 | 0.8 | 20.9 |
| 1 6 | 6 12.93 | +25 32.8 | 1.835 | 2.803 | 4.5 | 21.1 |
| 1 16 | 6 3.06 | +25 31.9 | 1.885 | 2.807 | 8.6 | 21.4 |
| 1 26 | 5 55.44 | +25 27.2 | 1.961 | 2.810 | 12.2 | 21.6 |
| 2 5 | 5 50.63 | +25 20.9 | 2.059 | 2.813 | 15.2 | 21.9 |

**400861** 2010 $NA_{59}$ 12 27.1 71.°97 1.°4/27.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.81 | +19 59.5 | 1.860 | 2.717 | 12.5 | 21.4 |
| 12 7 | 6 42.26 | +19 47.5 | 1.799 | 2.724 | 8.8 | 21.2 |
| 12 17 | 6 33.69 | +19 38.2 | 1.764 | 2.731 | 4.7 | 20.9 |
| 12 27 | 6 24.06 | +19 31.1 | 1.756 | 2.738 | 1.4 | 20.7 |
| 1 6 | 6 14.52 | +19 26.0 | 1.778 | 2.745 | 4.5 | 20.9 |
| 1 16 | 6 6.17 | +19 22.8 | 1.828 | 2.753 | 8.6 | 21.2 |
| 1 26 | 5 59.92 | +19 21.9 | 1.903 | 2.760 | 12.2 | 21.4 |
| 2 5 | 5 56.27 | +19 23.5 | 2.001 | 2.767 | 15.1 | 21.7 |

**253418** 2003 $QP_{39}$ 12 27.1 162.°09 1.°1/27.0 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.47 | +25 41.1 | 1.705 | 2.558 | 13.6 | 21.3 |
| 12 7 | 6 47.18 | +25 55.3 | 1.641 | 2.565 | 9.6 | 21.1 |
| 12 17 | 6 36.34 | +26 7.3 | 1.603 | 2.571 | 5.0 | 20.8 |
| 12 27 | 6 24.09 | +26 13.9 | 1.593 | 2.576 | 1.1 | 20.5 |
| 1 6 | 6 11.91 | +26 13.5 | 1.613 | 2.580 | 5.0 | 20.8 |
| 1 16 | 6 1.22 | +26 6.6 | 1.661 | 2.584 | 9.5 | 21.1 |
| 1 26 | 5 53.14 | +25 55.5 | 1.735 | 2.586 | 13.4 | 21.3 |
| 2 5 | 5 48.26 | +25 43.0 | 1.830 | 2.588 | 16.7 | 21.6 |

**328787** 2009 $UC_{153}$ 12 27.1 120.°40 6.°7/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.15 | + 2 36.8 | 2.412 | 3.215 | 11.8 | 20.8 |
| 12 7 | 6 40.00 | + 1 42.3 | 2.353 | 3.225 | 9.6 | 20.6 |
| 12 17 | 6 32.40 | + 1 1.2 | 2.320 | 3.235 | 7.6 | 20.5 |
| 12 27 | 6 24.06 | + 0 36.2 | 2.315 | 3.244 | 6.7 | 20.5 |
| 1 6 | 6 15.79 | + 0 28.1 | 2.337 | 3.253 | 7.5 | 20.5 |
| 1 16 | 6 8.34 | + 0 36.2 | 2.388 | 3.262 | 9.3 | 20.7 |
| 1 26 | 6 2.41 | + 0 58.5 | 2.464 | 3.271 | 11.4 | 20.8 |
| 2 5 | 5 58.41 | + 1 31.4 | 2.561 | 3.279 | 13.4 | 21.0 |

**414707** 2009 $WX_{196}$ 12 27.1 8.°77 5.°6/26.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.26 | +35 57.0 | 1.823 | 2.674 | 13.0 | 19.9 |
| 12 7 | 6 43.80 | +37 6.4 | 1.763 | 2.675 | 9.8 | 19.7 |
| 12 17 | 6 34.72 | +38 6.8 | 1.727 | 2.677 | 6.9 | 19.5 |
| 12 27 | 6 24.08 | +38 51.8 | 1.719 | 2.679 | 5.6 | 19.5 |
| 1 6 | 6 13.34 | +39 17.5 | 1.738 | 2.682 | 7.3 | 19.6 |
| 1 16 | 6 3.94 | +39 23.8 | 1.784 | 2.685 | 10.4 | 19.8 |
| 1 26 | 5 57.10 | +39 14.1 | 1.854 | 2.689 | 13.4 | 20.0 |
| 2 5 | 5 53.48 | +38 53.3 | 1.944 | 2.693 | 16.1 | 20.2 |

**484503** 2008 $DJ_{83}$ 12 27.1 256.°29 5.°8/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.89 | + 6 53.3 | 2.155 | 2.979 | 12.3 | 22.3 |
| 12 7 | 6 40.84 | + 6 19.3 | 2.072 | 2.965 | 9.6 | 22.1 |
| 12 17 | 6 32.99 | + 5 57.1 | 2.014 | 2.951 | 7.1 | 21.9 |
| 12 27 | 6 24.07 | + 5 48.8 | 1.983 | 2.936 | 5.8 | 21.8 |
| 1 6 | 6 15.01 | + 5 55.1 | 1.981 | 2.921 | 6.9 | 21.8 |
| 1 16 | 6 6.75 | + 6 15.3 | 2.008 | 2.906 | 9.5 | 22.0 |
| 1 26 | 6 0.14 | + 6 47.4 | 2.059 | 2.891 | 12.4 | 22.1 |
| 2 5 | 5 55.76 | + 7 28.3 | 2.132 | 2.875 | 15.0 | 22.3 |

**432969** 2012 $KO_{17}$ 12 27.1 178.°10 0.°1/27.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.78 | +22 4.1 | 1.809 | 2.660 | 13.1 | 21.9 |
| 12 7 | 6 45.96 | +22 32.1 | 1.740 | 2.663 | 9.2 | 21.6 |
| 12 17 | 6 35.74 | +23 2.4 | 1.696 | 2.664 | 4.8 | 21.4 |
| 12 27 | 6 24.11 | +23 31.9 | 1.682 | 2.665 | 0.1 | 21.0 |
| 1 6 | 6 12.42 | +23 57.9 | 1.698 | 2.665 | 4.7 | 21.4 |
| 1 16 | 6 1.97 | +24 19.2 | 1.742 | 2.665 | 9.1 | 21.6 |
| 1 26 | 5 53.87 | +24 36.2 | 1.813 | 2.663 | 13.0 | 21.9 |
| 2 5 | 5 48.76 | +24 50.3 | 1.905 | 2.661 | 16.2 | 22.1 |

**418485** 2008 $RT_{106}$ 12 27.1 123.°72 6.°5/27.9 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 45.02 | + 2 17.4 | 2.441 | 3.244 | 11.7 | 21.7 |
| 12 7 | 6 39.25 | + 1 39.6 | 2.378 | 3.250 | 9.5 | 21.6 |
| 12 17 | 6 32.04 | + 1 15.7 | 2.340 | 3.256 | 7.5 | 21.5 |
| 12 27 | 6 24.08 | + 1 7.7 | 2.330 | 3.262 | 6.5 | 21.4 |
| 1 6 | 6 16.14 | + 1 16.0 | 2.348 | 3.267 | 7.2 | 21.5 |
| 1 16 | 6 8.99 | + 1 39.5 | 2.393 | 3.273 | 9.0 | 21.6 |
| 1 26 | 6 3.29 | + 2 15.7 | 2.464 | 3.278 | 11.2 | 21.7 |
| 2 5 | 5 59.49 | + 3 1.1 | 2.557 | 3.283 | 13.2 | 21.9 |

**487124** 2014 $OC_{173}$ 12 27.1 212.°98 0.°9/26.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.69 | +24 35.4 | 2.008 | 2.862 | 11.8 | 21.6 |
| 12 7 | 6 43.00 | +25 4.2 | 1.935 | 2.860 | 8.3 | 21.4 |
| 12 17 | 6 34.17 | +25 33.2 | 1.889 | 2.857 | 4.3 | 21.1 |
| 12 27 | 6 24.11 | +25 59.4 | 1.871 | 2.854 | 0.9 | 20.9 |
| 1 6 | 6 13.95 | +26 20.5 | 1.884 | 2.851 | 4.4 | 21.1 |
| 1 16 | 6 4.85 | +26 35.8 | 1.925 | 2.848 | 8.4 | 21.4 |
| 1 26 | 5 57.79 | +26 45.8 | 1.992 | 2.844 | 11.9 | 21.6 |
| 2 5 | 5 53.39 | +26 52.1 | 2.082 | 2.841 | 14.9 | 21.8 |

**177532** 2004 $FX_{23}$ 12 27.1 116.°42 2.°1/26.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.85 | +28 43.3 | 1.899 | 2.755 | 12.4 | 20.7 |
| 12 7 | 6 43.84 | +29 0.5 | 1.835 | 2.758 | 8.8 | 20.5 |
| 12 17 | 6 34.59 | +29 13.4 | 1.796 | 2.762 | 4.9 | 20.3 |
| 12 27 | 6 24.12 | +29 18.9 | 1.786 | 2.766 | 2.1 | 20.1 |
| 1 6 | 6 13.68 | +29 15.5 | 1.804 | 2.769 | 4.9 | 20.3 |
| 1 16 | 6 4.52 | +29 3.9 | 1.851 | 2.772 | 8.7 | 20.5 |
| 1 26 | 5 57.64 | +28 46.5 | 1.924 | 2.776 | 12.3 | 20.8 |
| 2 5 | 5 53.59 | +28 26.1 | 2.018 | 2.779 | 15.2 | 21.0 |

**231403** 2006 $WR_4$ 12 27.1 3.°98 16.°9/20.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 7 3.47 | +45 40.4 | 0.950 | 1.804 | 21.8 | 19.3 |
| 12 7 | 6 56.75 | +49 44.9 | 0.911 | 1.803 | 18.8 | 19.1 |
| 12 17 | 6 43.20 | +53 26.3 | 0.893 | 1.803 | 17.0 | 19.0 |
| 12 27 | 6 24.21 | +56 16.3 | 0.897 | 1.803 | 17.3 | 19.1 |
| 1 6 | 6 3.51 | +57 57.6 | 0.921 | 1.805 | 19.3 | 19.2 |
| 1 16 | 5 45.96 | +58 31.1 | 0.963 | 1.807 | 22.1 | 19.4 |
| 1 26 | 5 35.34 | +58 13.0 | 1.020 | 1.810 | 25.0 | 19.6 |
| 2 5 | 5 32.84 | +57 23.0 | 1.089 | 1.813 | 27.5 | 19.8 |

**410854** 2009 $RJ_{38}$ 12 27.1 157.°43 2.°2/27.4 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.15 | +16 9.7 | 2.272 | 3.117 | 11.0 | 21.7 |
| 12 7 | 6 40.89 | +16 7.3 | 2.203 | 3.120 | 7.9 | 21.5 |
| 12 17 | 6 32.95 | +16 10.5 | 2.160 | 3.122 | 4.5 | 21.3 |
| 12 27 | 6 24.11 | +16 18.7 | 2.147 | 3.125 | 2.2 | 21.2 |
| 1 6 | 6 15.26 | +16 31.3 | 2.164 | 3.128 | 4.3 | 21.3 |
| 1 16 | 6 7.30 | +16 47.4 | 2.210 | 3.130 | 7.6 | 21.5 |
| 1 26 | 6 1.01 | +17 6.3 | 2.283 | 3.132 | 10.7 | 21.7 |
| 2 5 | 5 56.89 | +17 27.0 | 2.379 | 3.134 | 13.3 | 21.9 |

**326901** 2003 $WF_{80}$ 12 27.1 101.°50 4.°8/26.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.15 | +37 38.6 | 2.526 | 3.357 | 10.5 | 21.0 |
| 12 7 | 6 44.47 | +38 38.4 | 2.476 | 3.376 | 8.0 | 20.9 |
| 12 17 | 6 34.83 | +39 28.8 | 2.454 | 3.395 | 5.7 | 20.8 |
| 12 27 | 6 24.13 | +40 5.2 | 2.461 | 3.414 | 4.8 | 20.7 |
| 1 6 | 6 13.47 | +40 25.5 | 2.498 | 3.433 | 6.0 | 20.8 |
| 1 16 | 6 3.92 | +40 30.2 | 2.564 | 3.451 | 8.2 | 21.0 |
| 1 26 | 5 56.37 | +40 21.9 | 2.655 | 3.469 | 10.5 | 21.2 |
| 2 5 | 5 51.36 | +40 4.5 | 2.769 | 3.486 | 12.5 | 21.4 |

**275643** 2000 $GS_{52}$ 12 27.1 222.°90 1.°5/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.64 | +18 42.8 | 2.124 | 2.968 | 11.7 | 22.5 |
| 12 7 | 6 44.26 | +18 39.6 | 2.038 | 2.956 | 8.3 | 22.3 |
| 12 17 | 6 34.82 | +18 39.8 | 1.978 | 2.943 | 4.6 | 22.0 |
| 12 27 | 6 24.13 | +18 42.6 | 1.948 | 2.929 | 1.5 | 21.8 |
| 1 6 | 6 13.28 | +18 47.4 | 1.949 | 2.915 | 4.4 | 22.0 |
| 1 16 | 6 3.35 | +18 53.6 | 1.979 | 2.899 | 8.4 | 22.2 |
| 1 26 | 5 55.32 | +19 1.4 | 2.037 | 2.882 | 11.9 | 22.4 |
| 2 5 | 5 49.81 | +19 11.0 | 2.116 | 2.865 | 15.0 | 22.5 |

**52223** 5158 $T_{-3}$ 12 27.1 27.°34 12.°8/29.4 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.63 | − 9 36.4 | 1.733 | 2.495 | 17.3 | 19.2 |
| 12 7 | 6 40.85 | −10 36.4 | 1.678 | 2.497 | 15.3 | 19.1 |
| 12 17 | 6 33.05 | −11 7.5 | 1.642 | 2.500 | 13.7 | 19.0 |
| 12 27 | 6 24.12 | −11 4.8 | 1.629 | 2.503 | 12.8 | 18.9 |
| 1 6 | 6 15.19 | −10 27.1 | 1.638 | 2.505 | 13.1 | 18.9 |
| 1 16 | 6 7.35 | − 9 17.7 | 1.671 | 2.508 | 14.5 | 19.0 |
| 1 26 | 6 1.55 | − 7 43.3 | 1.725 | 2.512 | 16.3 | 19.2 |
| 2 5 | 5 58.33 | − 5 52.5 | 1.797 | 2.515 | 18.3 | 19.3 |

**357275** 2002 $RX_{261}$ 12 27.1 42.°29 7.°4/27.1 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.12 | +42 6.6 | 1.704 | 2.538 | 14.5 | 20.7 |
| 12 7 | 6 48.02 | +42 39.6 | 1.645 | 2.542 | 11.5 | 20.5 |
| 12 17 | 6 36.90 | +42 55.0 | 1.610 | 2.545 | 8.7 | 20.4 |
| 12 27 | 6 24.16 | +42 46.6 | 1.601 | 2.549 | 7.4 | 20.3 |
| 1 6 | 6 11.63 | +42 12.8 | 1.618 | 2.553 | 8.6 | 20.4 |
| 1 16 | 6 1.01 | +41 16.9 | 1.662 | 2.557 | 11.4 | 20.5 |
| 1 26 | 5 53.55 | +40 6.2 | 1.730 | 2.561 | 14.4 | 20.7 |
| 2 5 | 5 49.80 | +38 48.6 | 1.818 | 2.566 | 17.1 | 21.0 |

**330738** 2008 $SS_{29}$ 12 27.1 118.°46 1.°3/27.3 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.82 | +19 0.5 | 2.455 | 3.302 | 10.2 | 21.7 |
| 12 7 | 6 40.53 | +18 54.8 | 2.392 | 3.311 | 7.2 | 21.5 |
| 12 17 | 6 32.73 | +18 52.0 | 2.355 | 3.321 | 3.9 | 21.3 |
| 12 27 | 6 24.13 | +18 51.5 | 2.349 | 3.330 | 1.3 | 21.1 |
| 1 6 | 6 15.60 | +18 52.9 | 2.373 | 3.339 | 3.7 | 21.3 |
| 1 16 | 6 7.94 | +18 56.0 | 2.427 | 3.348 | 6.9 | 21.6 |
| 1 26 | 6 1.87 | +19 0.6 | 2.508 | 3.356 | 9.9 | 21.8 |
| 2 5 | 5 57.82 | +19 6.8 | 2.612 | 3.365 | 12.3 | 22.0 |

**297353** 2000 $AV_{24}$ 12 27.1 6.°19 2.°0/27.3 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.50 | +30 13.4 | 1.412 | 2.278 | 15.2 | 19.7 |
| 12 7 | 6 45.44 | +29 38.1 | 1.350 | 2.278 | 10.8 | 19.4 |
| 12 17 | 6 35.54 | +28 52.8 | 1.311 | 2.279 | 5.9 | 19.1 |
| 12 27 | 6 24.16 | +27 56.3 | 1.299 | 2.280 | 2.0 | 18.9 |
| 1 6 | 6 13.02 | +26 50.7 | 1.314 | 2.283 | 5.6 | 19.1 |
| 1 16 | 6 3.69 | +25 40.6 | 1.356 | 2.286 | 10.5 | 19.4 |
| 1 26 | 5 57.35 | +24 31.7 | 1.422 | 2.289 | 14.8 | 19.7 |
| 2 5 | 5 54.51 | +23 28.3 | 1.508 | 2.294 | 18.4 | 19.9 |

**259616** 2003 $VC_6$ 12 27.1 71.°41 0.°2/27.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.53 | +25 34.4 | 1.257 | 2.124 | 16.6 | 19.8 |
| 12 7 | 6 48.12 | +25 1.5 | 1.214 | 2.144 | 11.6 | 19.6 |
| 12 17 | 6 36.80 | +24 24.7 | 1.194 | 2.164 | 6.0 | 19.3 |
| 12 27 | 6 24.17 | +23 43.3 | 1.201 | 2.184 | 0.2 | 18.9 |
| 1 6 | 6 12.09 | +22 59.2 | 1.235 | 2.205 | 5.7 | 19.4 |
| 1 16 | 6 2.17 | +22 15.8 | 1.295 | 2.225 | 10.9 | 19.8 |
| 1 26 | 5 55.52 | +21 36.5 | 1.379 | 2.245 | 15.3 | 20.1 |
| 2 5 | 5 52.53 | +21 3.6 | 1.482 | 2.265 | 18.8 | 20.4 |

**343803** 2011 $GP_{71}$ 12 27.1 130.°25 0.°6/27.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.82 | +24 45.5 | 1.855 | 2.706 | 12.8 | 21.8 |
| 12 7 | 6 45.78 | +24 55.1 | 1.798 | 2.721 | 8.9 | 21.6 |
| 12 17 | 6 35.54 | +25 3.3 | 1.767 | 2.735 | 4.6 | 21.3 |
| 12 27 | 6 24.17 | +25 7.6 | 1.766 | 2.749 | 0.6 | 21.0 |
| 1 6 | 6 12.95 | +25 6.9 | 1.794 | 2.762 | 4.5 | 21.4 |
| 1 16 | 6 3.13 | +25 1.6 | 1.852 | 2.774 | 8.7 | 21.6 |
| 1 26 | 5 55.65 | +24 53.5 | 1.935 | 2.786 | 12.3 | 21.9 |
| 2 5 | 5 51.05 | +24 44.5 | 2.041 | 2.796 | 15.2 | 22.1 |

**155459** 1998 $RS_6$ 12 27.1 194.°18 4.°0/26.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.07 | +35 55.8 | 2.406 | 3.244 | 10.7 | 20.1 |
| 12 7 | 6 43.80 | +36 20.1 | 2.335 | 3.243 | 8.0 | 20.0 |
| 12 17 | 6 34.53 | +36 35.5 | 2.290 | 3.241 | 5.3 | 19.8 |
| 12 27 | 6 24.17 | +36 38.8 | 2.275 | 3.239 | 4.0 | 19.7 |
| 1 6 | 6 13.81 | +36 28.4 | 2.289 | 3.237 | 5.4 | 19.8 |
| 1 16 | 6 4.54 | +36 5.4 | 2.332 | 3.235 | 8.1 | 20.0 |
| 1 26 | 5 57.27 | +35 32.8 | 2.401 | 3.233 | 10.9 | 20.1 |
| 2 5 | 5 52.55 | +34 54.5 | 2.493 | 3.230 | 13.3 | 20.3 |

**15031** Lemus 12 27.1 348.°85 2.°2/26.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.88 | +25 27.5 | 1.202 | 2.080 | 16.4 | 17.1 |
| 12 7 | 6 44.22 | +26 16.2 | 1.140 | 2.074 | 11.6 | 16.8 |
| 12 17 | 6 35.22 | +27 6.3 | 1.099 | 2.069 | 6.2 | 16.5 |
| 12 27 | 6 24.18 | +27 51.7 | 1.084 | 2.065 | 2.2 | 16.2 |
| 1 6 | 6 12.95 | +28 27.2 | 1.094 | 2.062 | 6.5 | 16.5 |
| 1 16 | 6 3.41 | +28 50.8 | 1.128 | 2.060 | 11.9 | 16.8 |
| 1 26 | 5 57.12 | +29 4.0 | 1.185 | 2.059 | 16.7 | 17.0 |
| 2 5 | 5 54.83 | +29 9.6 | 1.259 | 2.058 | 20.7 | 17.3 |

**494985** 2010 $AS_{41}$ 12 27.1 318.°06 4.°7/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.65 | +37 33.7 | 2.010 | 2.852 | 12.3 | 20.1 |
| 12 7 | 6 44.56 | +37 33.4 | 1.929 | 2.837 | 9.3 | 19.9 |
| 12 17 | 6 35.05 | +37 20.4 | 1.872 | 2.823 | 6.3 | 19.7 |
| 12 27 | 6 24.19 | +36 51.1 | 1.844 | 2.809 | 4.7 | 19.6 |
| 1 6 | 6 13.33 | +36 5.0 | 1.844 | 2.796 | 6.2 | 19.6 |
| 1 16 | 6 3.82 | +35 4.5 | 1.872 | 2.782 | 9.4 | 19.8 |
| 1 26 | 5 56.72 | +33 54.9 | 1.926 | 2.770 | 12.6 | 20.0 |
| 2 5 | 5 52.62 | +32 41.7 | 2.002 | 2.757 | 15.5 | 20.2 |

**366583** 2002 $TG_{181}$ 12 27.1 95.°74 7.°9/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.52 | − 3 15.2 | 2.627 | 3.397 | 11.9 | 20.7 |
| 12 7 | 6 40.13 | − 4 23.2 | 2.583 | 3.420 | 10.0 | 20.6 |
| 12 17 | 6 32.46 | − 5 14.8 | 2.563 | 3.442 | 8.6 | 20.5 |
| 12 27 | 6 24.17 | − 5 47.3 | 2.571 | 3.463 | 7.9 | 20.5 |
| 1 6 | 6 16.01 | − 5 59.7 | 2.606 | 3.484 | 8.4 | 20.6 |
| 1 16 | 6 8.67 | − 5 53.0 | 2.668 | 3.505 | 9.7 | 20.7 |
| 1 26 | 6 2.74 | − 5 29.9 | 2.754 | 3.526 | 11.3 | 20.8 |
| 2 5 | 5 58.60 | − 4 54.2 | 2.861 | 3.546 | 12.8 | 21.0 |

**378003** 2006 $SW$ 12 27.1 62.°94 0.°8/27.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.27 | +25 2.4 | 1.202 | 2.073 | 16.9 | 20.7 |
| 12 7 | 6 47.39 | +25 4.6 | 1.164 | 2.095 | 11.8 | 20.5 |
| 12 17 | 6 36.51 | +25 4.8 | 1.148 | 2.118 | 6.1 | 20.2 |
| 12 27 | 6 24.22 | +25 0.1 | 1.158 | 2.141 | 0.8 | 19.9 |
| 1 6 | 6 12.42 | +24 49.8 | 1.194 | 2.164 | 5.8 | 20.3 |
| 1 16 | 6 2.79 | +24 35.3 | 1.256 | 2.187 | 11.0 | 20.7 |
| 1 26 | 5 56.48 | +24 19.4 | 1.341 | 2.210 | 15.5 | 21.0 |
| 2 5 | 5 53.90 | +24 4.6 | 1.445 | 2.233 | 19.0 | 21.3 |

**125104** 2001 $UR_{37}$ 12 27.1 349.°69 0.°0/27.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.02 | +24 27.7 | 1.307 | 2.179 | 15.7 | 19.5 |
| 12 7 | 6 44.63 | +24 7.7 | 1.243 | 2.176 | 11.1 | 19.3 |
| 12 17 | 6 35.26 | +23 45.6 | 1.202 | 2.173 | 5.8 | 18.9 |
| 12 27 | 6 24.20 | +23 20.2 | 1.187 | 2.170 | 0.1 | 18.5 |
| 1 6 | 6 13.18 | +22 51.8 | 1.198 | 2.168 | 5.7 | 18.9 |
| 1 16 | 6 3.86 | +22 22.4 | 1.235 | 2.167 | 11.0 | 19.2 |
| 1 26 | 5 57.52 | +21 54.8 | 1.294 | 2.166 | 15.7 | 19.5 |
| 2 5 | 5 54.80 | +21 31.2 | 1.373 | 2.166 | 19.6 | 19.8 |

**317854** 2003 $TU_{17}$ 12 27.1 82.°95 2.°5/27.2 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.00 | +16 41.6 | 2.200 | 3.047 | 11.2 | 20.2 |
| 12 7 | 6 40.80 | +16 14.9 | 2.134 | 3.052 | 8.0 | 20.0 |
| 12 17 | 6 32.93 | +15 52.7 | 2.096 | 3.058 | 4.7 | 19.8 |
| 12 27 | 6 24.18 | +15 35.5 | 2.086 | 3.063 | 2.5 | 19.7 |
| 1 6 | 6 15.50 | +15 23.5 | 2.106 | 3.068 | 4.5 | 19.8 |
| 1 16 | 6 7.77 | +15 16.9 | 2.155 | 3.073 | 7.8 | 20.1 |
| 1 26 | 6 1.77 | +15 15.6 | 2.230 | 3.079 | 10.9 | 20.3 |
| 2 5 | 5 57.96 | +15 18.9 | 2.328 | 3.084 | 13.6 | 20.5 |

**233953** 2009 $XS_{15}$ 12 27.1 76.°58 1.°9/27.6 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.51 | +15 40.1 | 2.270 | 3.115 | 11.0 | 20.0 |
| 12 7 | 6 40.50 | +16 6.1 | 2.202 | 3.120 | 7.9 | 19.8 |
| 12 17 | 6 32.81 | +16 39.2 | 2.161 | 3.124 | 4.5 | 19.6 |
| 12 27 | 6 24.18 | +17 17.8 | 2.149 | 3.129 | 1.9 | 19.5 |
| 1 6 | 6 15.52 | +17 59.8 | 2.168 | 3.133 | 4.1 | 19.6 |
| 1 16 | 6 7.70 | +18 43.1 | 2.216 | 3.138 | 7.4 | 19.8 |
| 1 26 | 6 1.53 | +19 26.3 | 2.291 | 3.143 | 10.6 | 20.1 |
| 2 5 | 5 57.52 | +20 8.2 | 2.389 | 3.148 | 13.2 | 20.3 |

**235393** 2003 $WF_{130}$ 12 27.1 203.°45 3.°2/26.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.10 | +32 31.6 | 2.507 | 3.351 | 10.1 | 20.4 |
| 12 7 | 6 42.41 | +33 14.6 | 2.434 | 3.349 | 7.4 | 20.2 |
| 12 17 | 6 33.85 | +33 52.3 | 2.389 | 3.346 | 4.6 | 20.0 |
| 12 27 | 6 24.20 | +34 21.2 | 2.373 | 3.344 | 3.2 | 19.9 |
| 1 6 | 6 14.45 | +34 39.1 | 2.388 | 3.341 | 4.9 | 20.0 |
| 1 16 | 6 5.60 | +34 45.7 | 2.432 | 3.339 | 7.7 | 20.2 |
| 1 26 | 5 58.54 | +34 42.6 | 2.502 | 3.336 | 10.4 | 20.4 |
| 2 5 | 5 53.82 | +34 32.6 | 2.595 | 3.332 | 12.8 | 20.5 |

**403989** 2012 $BR_{115}$ 12 27.1 347.°79 5.°0/28.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.16 | + 8 7.2 | 1.833 | 2.668 | 13.6 | 20.8 |
| 12 7 | 6 41.25 | + 8 18.7 | 1.763 | 2.667 | 10.4 | 20.6 |
| 12 17 | 6 33.31 | + 8 45.6 | 1.718 | 2.665 | 7.1 | 20.4 |
| 12 27 | 6 24.19 | + 9 27.7 | 1.699 | 2.664 | 5.1 | 20.3 |
| 1 6 | 6 14.99 | +10 23.1 | 1.709 | 2.663 | 6.4 | 20.4 |
| 1 16 | 6 6.77 | +11 28.4 | 1.747 | 2.662 | 9.6 | 20.6 |
| 1 26 | 6 0.51 | +12 39.5 | 1.810 | 2.662 | 12.9 | 20.8 |
| 2 5 | 5 56.79 | +13 52.6 | 1.895 | 2.661 | 15.9 | 21.0 |

**69485** 1997 $AD$ 12 27.1 299.°89 2.°7/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.31 | +31 18.8 | 1.577 | 2.436 | 14.2 | 17.7 |
| 12 7 | 6 46.13 | +31 3.1 | 1.495 | 2.419 | 10.3 | 17.5 |
| 12 17 | 6 36.04 | +30 37.3 | 1.438 | 2.403 | 5.9 | 17.2 |
| 12 27 | 6 24.23 | +29 58.5 | 1.407 | 2.386 | 2.7 | 16.9 |
| 1 6 | 6 12.31 | +29 6.7 | 1.404 | 2.370 | 5.8 | 17.1 |
| 1 16 | 6 1.92 | +28 5.4 | 1.429 | 2.354 | 10.5 | 17.3 |
| 1 26 | 5 54.35 | +27 0.0 | 1.478 | 2.338 | 14.8 | 17.5 |
| 2 5 | 5 50.31 | +25 56.1 | 1.548 | 2.323 | 18.5 | 17.7 |

**421846** 2014 $QN_{129}$ 12 27.1 93.°56 0.°9/27.0 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.59 | +25 40.0 | 2.132 | 2.984 | 11.3 | 21.9 |
| 12 7 | 6 42.67 | +25 51.6 | 2.076 | 2.999 | 7.9 | 21.7 |
| 12 17 | 6 33.91 | +26 1.4 | 2.046 | 3.014 | 4.1 | 21.5 |
| 12 27 | 6 24.20 | +26 7.4 | 2.046 | 3.029 | 0.9 | 21.3 |
| 1 6 | 6 14.63 | +26 8.5 | 2.076 | 3.043 | 4.0 | 21.6 |
| 1 16 | 6 6.19 | +26 5.0 | 2.136 | 3.058 | 7.7 | 21.8 |
| 1 26 | 5 59.72 | +25 58.3 | 2.221 | 3.072 | 10.9 | 22.1 |
| 2 5 | 5 55.69 | +25 49.8 | 2.329 | 3.086 | 13.5 | 22.3 |

**351049** 2003 $SN_{244}$ 12 27.1 86.°77 3.°7/26.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.93 | +32 21.6 | 1.798 | 2.646 | 13.3 | 21.0 |
| 12 7 | 6 47.32 | +32 57.8 | 1.758 | 2.674 | 9.6 | 20.8 |
| 12 17 | 6 36.34 | +33 25.3 | 1.743 | 2.703 | 5.8 | 20.6 |
| 12 27 | 6 24.25 | +33 39.7 | 1.757 | 2.730 | 3.7 | 20.6 |
| 1 6 | 6 12.50 | +33 39.5 | 1.800 | 2.758 | 5.8 | 20.7 |
| 1 16 | 6 2.43 | +33 26.3 | 1.872 | 2.784 | 9.2 | 21.0 |
| 1 26 | 5 55.03 | +33 3.9 | 1.969 | 2.810 | 12.5 | 21.3 |
| 2 5 | 5 50.74 | +32 36.7 | 2.087 | 2.836 | 15.1 | 21.5 |

**20572** Celemorrow 12 27.1 26.°30 0.°2/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.55 | +23 50.5 | 1.985 | 2.841 | 11.8 | 19.0 |
| 12 7 | 6 42.15 | +23 54.6 | 1.917 | 2.842 | 8.3 | 18.8 |
| 12 17 | 6 33.74 | +23 58.4 | 1.874 | 2.843 | 4.3 | 18.5 |
| 12 27 | 6 24.22 | +24 0.3 | 1.861 | 2.844 | 0.2 | 18.2 |
| 1 6 | 6 14.71 | +23 59.4 | 1.876 | 2.845 | 4.2 | 18.5 |
| 1 16 | 6 6.29 | +23 55.8 | 1.921 | 2.846 | 8.2 | 18.8 |
| 1 26 | 5 59.89 | +23 50.5 | 1.991 | 2.847 | 11.7 | 19.0 |
| 2 5 | 5 56.06 | +23 44.6 | 2.083 | 2.848 | 14.7 | 19.2 |

**16743** 1996 $OQ$ 12 27.1 148.°66 0.°3/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.68 | +24 1.1 | 1.951 | 2.802 | 12.3 | 18.9 |
| 12 7 | 6 44.99 | +24 8.0 | 1.889 | 2.811 | 8.6 | 18.7 |
| 12 17 | 6 35.18 | +24 14.1 | 1.852 | 2.820 | 4.4 | 18.5 |
| 12 27 | 6 24.24 | +24 17.5 | 1.845 | 2.828 | 0.3 | 18.2 |
| 1 6 | 6 13.38 | +24 17.0 | 1.867 | 2.835 | 4.3 | 18.5 |
| 1 16 | 6 3.77 | +24 13.0 | 1.919 | 2.842 | 8.4 | 18.8 |
| 1 26 | 5 56.36 | +24 6.7 | 1.998 | 2.848 | 11.9 | 19.0 |
| 2 5 | 5 51.68 | +23 59.9 | 2.098 | 2.853 | 14.9 | 19.2 |

**296631** 2009 $SG_{61}$ 12 27.1 187.°26 1.°3/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.33 | +26 37.8 | 1.714 | 2.568 | 13.5 | 21.5 |
| 12 7 | 6 46.50 | +26 45.5 | 1.644 | 2.568 | 9.5 | 21.3 |
| 12 17 | 6 36.10 | +26 49.9 | 1.600 | 2.568 | 5.1 | 21.0 |
| 12 27 | 6 24.26 | +26 48.2 | 1.584 | 2.567 | 1.3 | 20.7 |
| 1 6 | 6 12.41 | +26 39.0 | 1.598 | 2.565 | 5.0 | 21.0 |
| 1 16 | 6 1.97 | +26 23.4 | 1.640 | 2.563 | 9.5 | 21.2 |
| 1 26 | 5 54.11 | +26 3.8 | 1.707 | 2.560 | 13.5 | 21.5 |
| 2 5 | 5 49.43 | +25 43.2 | 1.795 | 2.557 | 16.8 | 21.7 |

**47103** 1999 $BQ_{28}$ 12 27.1 52.°77 0.°5/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.11 | +24 17.8 | 1.995 | 2.852 | 11.8 | 19.1 |
| 12 7 | 6 41.72 | +24 27.5 | 1.942 | 2.868 | 8.2 | 18.9 |
| 12 17 | 6 33.45 | +24 36.6 | 1.915 | 2.884 | 4.2 | 18.7 |
| 12 27 | 6 24.22 | +24 43.4 | 1.917 | 2.901 | 0.5 | 18.4 |
| 1 6 | 6 15.14 | +24 46.7 | 1.949 | 2.917 | 4.1 | 18.7 |
| 1 16 | 6 7.23 | +24 46.7 | 2.009 | 2.934 | 7.9 | 19.0 |
| 1 26 | 6 1.33 | +24 44.2 | 2.095 | 2.951 | 11.2 | 19.3 |
| 2 5 | 5 57.91 | +24 40.5 | 2.203 | 2.968 | 14.0 | 19.5 |

**481885** 2008 $YW_{172}$ 12 27.1 278.°39 1.°9/27.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.43 | +17 31.6 | 1.749 | 2.604 | 13.3 | 21.4 |
| 12 7 | 6 43.15 | +17 40.9 | 1.663 | 2.586 | 9.5 | 21.1 |
| 12 17 | 6 34.46 | +17 57.1 | 1.602 | 2.568 | 5.3 | 20.8 |
| 12 27 | 6 24.25 | +18 18.9 | 1.569 | 2.550 | 1.9 | 20.5 |
| 1 6 | 6 13.73 | +18 44.7 | 1.565 | 2.532 | 5.1 | 20.7 |
| 1 16 | 6 4.22 | +19 12.8 | 1.588 | 2.514 | 9.6 | 20.9 |
| 1 26 | 5 56.87 | +19 42.1 | 1.637 | 2.495 | 13.7 | 21.1 |
| 2 5 | 5 52.43 | +20 11.8 | 1.706 | 2.477 | 17.2 | 21.3 |

**135371** 2001 $TY_{135}$ 12 27.1 36.°85 4.°9/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.32 | +14 19.1 | 1.500 | 2.357 | 14.9 | 18.3 |
| 12 7 | 6 42.80 | +13 8.7 | 1.452 | 2.371 | 11.0 | 18.1 |
| 12 17 | 6 34.05 | +12 6.6 | 1.429 | 2.386 | 7.0 | 17.9 |
| 12 27 | 6 24.24 | +11 16.1 | 1.431 | 2.402 | 4.9 | 17.8 |
| 1 6 | 6 14.69 | +10 39.5 | 1.462 | 2.418 | 7.0 | 18.0 |
| 1 16 | 6 6.63 | +10 17.6 | 1.518 | 2.435 | 10.7 | 18.2 |
| 1 26 | 6 0.98 | +10 9.6 | 1.598 | 2.452 | 14.2 | 18.5 |
| 2 5 | 5 58.22 | +10 12.8 | 1.698 | 2.469 | 17.3 | 18.7 |

**265926** 2006 $BP_{152}$ 12 27.1 62.°63 2.°7/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 46.95 | +14 5.5 | 2.050 | 2.895 | 12.0 | 20.2 |
| 12 7 | 6 40.91 | +14 21.2 | 1.986 | 2.902 | 8.7 | 20.0 |
| 12 17 | 6 33.07 | +14 45.5 | 1.948 | 2.908 | 5.1 | 19.8 |
| 12 27 | 6 24.24 | +15 17.4 | 1.938 | 2.915 | 2.7 | 19.6 |
| 1 6 | 6 15.39 | +15 55.0 | 1.958 | 2.922 | 4.7 | 19.8 |
| 1 16 | 6 7.52 | +16 36.2 | 2.007 | 2.928 | 8.1 | 20.0 |
| 1 26 | 6 1.44 | +17 19.2 | 2.082 | 2.935 | 11.4 | 20.2 |
| 2 5 | 5 57.69 | +18 2.2 | 2.179 | 2.942 | 14.2 | 20.4 |

**227597** 2006 $AF_{42}$ 12 27.1 150.°25 0.°3/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.78 | +22 19.7 | 2.665 | 3.511 | 9.5 | 21.4 |
| 12 7 | 6 41.18 | +22 20.8 | 2.598 | 3.519 | 6.7 | 21.2 |
| 12 17 | 6 33.10 | +22 22.3 | 2.559 | 3.526 | 3.5 | 21.0 |
| 12 27 | 6 24.25 | +22 23.3 | 2.550 | 3.534 | 0.3 | 20.7 |
| 1 6 | 6 15.44 | +22 23.2 | 2.573 | 3.540 | 3.3 | 21.0 |
| 1 16 | 6 7.46 | +22 21.8 | 2.626 | 3.547 | 6.5 | 21.2 |
| 1 26 | 6 1.01 | +22 19.9 | 2.707 | 3.553 | 9.3 | 21.4 |
| 2 5 | 5 56.51 | +22 17.9 | 2.811 | 3.558 | 11.7 | 21.6 |

**38240** 1999 $PB_{1}$ 12 27.1 81.°29 1.°6/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.94 | +18 19.7 | 1.681 | 2.535 | 13.8 | 19.5 |
| 12 7 | 6 44.49 | +18 28.5 | 1.637 | 2.560 | 9.7 | 19.3 |
| 12 17 | 6 34.90 | +18 42.4 | 1.618 | 2.584 | 5.2 | 19.1 |
| 12 27 | 6 24.27 | +18 59.9 | 1.627 | 2.608 | 1.6 | 18.9 |
| 1 6 | 6 13.90 | +19 19.2 | 1.665 | 2.632 | 4.8 | 19.2 |
| 1 16 | 6 4.97 | +19 39.1 | 1.731 | 2.656 | 9.0 | 19.5 |
| 1 26 | 5 58.41 | +19 59.2 | 1.822 | 2.679 | 12.6 | 19.8 |
| 2 5 | 5 54.68 | +20 19.2 | 1.935 | 2.702 | 15.6 | 20.0 |

**129306** 2005 $SX_{186}$ 12 27.1 120.°84 0.°4/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.50 | +23 28.8 | 1.829 | 2.680 | 13.0 | 20.3 |
| 12 7 | 6 46.28 | +23 50.2 | 1.777 | 2.700 | 9.1 | 20.1 |
| 12 17 | 6 35.85 | +24 11.7 | 1.751 | 2.719 | 4.7 | 19.9 |
| 12 27 | 6 24.28 | +24 30.2 | 1.754 | 2.737 | 0.4 | 19.6 |
| 1 6 | 6 12.90 | +24 44.1 | 1.787 | 2.755 | 4.5 | 20.0 |
| 1 16 | 6 2.93 | +24 52.9 | 1.849 | 2.771 | 8.7 | 20.2 |
| 1 26 | 5 55.34 | +24 57.9 | 1.938 | 2.787 | 12.3 | 20.5 |
| 2 5 | 5 50.65 | +25 0.7 | 2.048 | 2.803 | 15.2 | 20.7 |

**474350** 2002 $QN_{52}$ 12 27.1 114.°74 3.°0/27.6 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.89 | +14 35.9 | 1.761 | 2.603 | 13.8 | 23.0 |
| 12 7 | 6 45.77 | +14 38.8 | 1.712 | 2.626 | 9.9 | 22.8 |
| 12 17 | 6 35.55 | +14 50.0 | 1.688 | 2.649 | 5.8 | 22.6 |
| 12 27 | 6 24.29 | +15 8.7 | 1.694 | 2.671 | 3.0 | 22.5 |
| 1 6 | 6 13.25 | +15 33.0 | 1.729 | 2.691 | 5.3 | 22.7 |
| 1 16 | 6 3.60 | +16 1.4 | 1.792 | 2.711 | 9.1 | 22.9 |
| 1 26 | 5 56.26 | +16 32.4 | 1.882 | 2.731 | 12.7 | 23.2 |
| 2 5 | 5 51.72 | +17 4.6 | 1.994 | 2.749 | 15.6 | 23.4 |

**132892** 2002 $RH_{175}$ 12 27.1 175.°37 1.°2/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.18 | +27 45.5 | 2.749 | 3.594 | 9.3 | 20.6 |
| 12 7 | 6 41.49 | +27 47.1 | 2.676 | 3.596 | 6.5 | 20.4 |
| 12 17 | 6 33.28 | +27 45.5 | 2.631 | 3.597 | 3.5 | 20.2 |
| 12 27 | 6 24.26 | +27 39.3 | 2.617 | 3.598 | 1.2 | 20.0 |
| 1 6 | 6 15.27 | +27 28.0 | 2.633 | 3.599 | 3.5 | 20.2 |
| 1 16 | 6 7.12 | +27 12.1 | 2.681 | 3.599 | 6.5 | 20.4 |
| 1 26 | 6 0.53 | +26 53.1 | 2.756 | 3.599 | 9.2 | 20.6 |
| 2 5 | 5 55.93 | +26 32.6 | 2.855 | 3.599 | 11.6 | 20.8 |

**136892** 1998 $HD_{24}$ 12 27.1 356.°17 4.°9/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.27 | +13 11.0 | 1.320 | 2.180 | 16.4 | 19.8 |
| 12 7 | 6 43.98 | +12 44.0 | 1.258 | 2.179 | 12.1 | 19.5 |
| 12 17 | 6 34.92 | +12 28.9 | 1.219 | 2.179 | 7.6 | 19.3 |
| 12 27 | 6 24.28 | +12 27.1 | 1.205 | 2.178 | 4.9 | 19.1 |
| 1 6 | 6 13.61 | +12 38.5 | 1.216 | 2.178 | 7.2 | 19.2 |
| 1 16 | 6 4.44 | +13 1.6 | 1.254 | 2.178 | 11.7 | 19.5 |
| 1 26 | 5 58.01 | +13 33.8 | 1.314 | 2.178 | 16.0 | 19.8 |
| 2 5 | 5 54.98 | +14 11.9 | 1.392 | 2.179 | 19.7 | 20.0 |

**221513** 2006 $GY_{49}$ 12 27.1 184.°04 0.°0/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.44 | +24 13.8 | 3.055 | 3.897 | 8.5 | 20.5 |
| 12 7 | 6 40.83 | +24 1.2 | 2.978 | 3.897 | 6.0 | 20.3 |
| 12 17 | 6 32.89 | +23 47.3 | 2.930 | 3.897 | 3.1 | 20.1 |
| 12 27 | 6 24.26 | +23 31.5 | 2.913 | 3.896 | 0.1 | 19.8 |
| 1 6 | 6 15.66 | +23 13.8 | 2.928 | 3.895 | 3.0 | 20.1 |
| 1 16 | 6 7.78 | +22 54.8 | 2.974 | 3.893 | 5.9 | 20.3 |
| 1 26 | 6 1.26 | +22 35.4 | 3.048 | 3.891 | 8.5 | 20.5 |
| 2 5 | 5 56.49 | +22 16.7 | 3.147 | 3.888 | 10.7 | 20.6 |

**266862** 2009 $UC_{121}$ 12 27.1 84.°78 0.°8/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.78 | +25 15.1 | 2.126 | 2.980 | 11.3 | 20.6 |
| 12 7 | 6 42.17 | +25 26.5 | 2.066 | 2.991 | 7.9 | 20.4 |
| 12 17 | 6 33.71 | +25 36.6 | 2.033 | 3.001 | 4.1 | 20.2 |
| 12 27 | 6 24.27 | +25 43.4 | 2.029 | 3.012 | 0.8 | 20.0 |
| 1 6 | 6 14.92 | +25 45.8 | 2.055 | 3.023 | 4.0 | 20.2 |
| 1 16 | 6 6.66 | +25 44.0 | 2.110 | 3.033 | 7.7 | 20.5 |
| 1 26 | 6 0.33 | +25 39.0 | 2.191 | 3.044 | 10.9 | 20.7 |
| 2 5 | 5 56.44 | +25 32.4 | 2.295 | 3.054 | 13.6 | 20.9 |

**261507** 2005 $WX_{43}$ 12 27.1 54.°15 0.°1/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.95 | +22 58.7 | 1.833 | 2.692 | 12.5 | 20.4 |
| 12 7 | 6 42.47 | +23 0.8 | 1.775 | 2.702 | 8.8 | 20.2 |
| 12 17 | 6 33.92 | +23 3.4 | 1.743 | 2.712 | 4.5 | 20.0 |
| 12 27 | 6 24.28 | +23 5.0 | 1.738 | 2.722 | 0.1 | 19.6 |
| 1 6 | 6 14.75 | +23 4.7 | 1.763 | 2.732 | 4.4 | 20.0 |
| 1 16 | 6 6.46 | +23 2.5 | 1.816 | 2.743 | 8.5 | 20.3 |
| 1 26 | 6 0.34 | +22 59.4 | 1.895 | 2.754 | 12.1 | 20.5 |
| 2 5 | 5 56.89 | +22 56.3 | 1.995 | 2.764 | 15.1 | 20.7 |

**74106** 1998 $QS_{36}$ 12 27.1 44.°05 6.°7/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.96 | +40 19.8 | 1.497 | 2.342 | 15.7 | 18.7 |
| 12 7 | 6 48.61 | +40 26.6 | 1.448 | 2.354 | 12.0 | 18.5 |
| 12 17 | 6 37.19 | +40 14.4 | 1.421 | 2.367 | 8.5 | 18.3 |
| 12 27 | 6 24.32 | +39 38.6 | 1.420 | 2.380 | 6.7 | 18.2 |
| 1 6 | 6 11.96 | +38 39.4 | 1.446 | 2.394 | 8.1 | 18.4 |
| 1 16 | 6 1.80 | +37 22.3 | 1.498 | 2.408 | 11.3 | 18.6 |
| 1 26 | 5 55.01 | +35 55.7 | 1.574 | 2.422 | 14.7 | 18.8 |
| 2 5 | 5 51.99 | +34 27.5 | 1.671 | 2.437 | 17.7 | 19.1 |

**142671** 2002 $TV_{219}$ 12 27.1 85.°28 5.°5/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.44 | +10 22.5 | 1.800 | 2.638 | 13.7 | 19.4 |
| 12 7 | 6 42.68 | + 9 25.3 | 1.745 | 2.650 | 10.4 | 19.2 |
| 12 17 | 6 33.97 | + 8 38.7 | 1.714 | 2.661 | 7.2 | 19.0 |
| 12 27 | 6 24.29 | + 8 5.4 | 1.712 | 2.673 | 5.5 | 19.0 |
| 1 6 | 6 14.75 | + 7 46.7 | 1.737 | 2.684 | 7.0 | 19.1 |
| 1 16 | 6 6.42 | + 7 42.6 | 1.790 | 2.696 | 10.0 | 19.3 |
| 1 26 | 6 0.16 | + 7 51.3 | 1.868 | 2.707 | 13.2 | 19.5 |
| 2 5 | 5 56.45 | + 8 9.9 | 1.967 | 2.718 | 15.9 | 19.7 |

**488087** 2015 $VE_{36}$ 12 27.1 43.°19 0.°8/27.1 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.68 | +24 49.7 | 1.745 | 2.606 | 13.0 | 21.4 |
| 12 7 | 6 43.17 | +25 6.1 | 1.683 | 2.610 | 9.1 | 21.2 |
| 12 17 | 6 34.36 | +25 21.8 | 1.646 | 2.615 | 4.8 | 21.0 |
| 12 27 | 6 24.29 | +25 34.3 | 1.637 | 2.620 | 0.8 | 20.7 |
| 1 6 | 6 14.26 | +25 41.7 | 1.657 | 2.625 | 4.7 | 21.0 |
| 1 16 | 6 5.51 | +25 44.1 | 1.705 | 2.631 | 9.0 | 21.3 |
| 1 26 | 5 59.09 | +25 42.6 | 1.777 | 2.636 | 12.7 | 21.5 |
| 2 5 | 5 55.55 | +25 38.9 | 1.871 | 2.642 | 15.9 | 21.7 |

**271969** 2005 $AT_{78}$ 12 27.1 308.°68 5.°1/27.0 18

| 11 27 | 6 52.03 | +39 23.3 | 2.247 | 3.079 | 11.6 | 20.3 |
|---|---|---|---|---|---|---|
| 12 7 | 6 44.64 | +39 40.6 | 2.177 | 3.077 | 8.9 | 20.1 |
| 12 17 | 6 35.06 | +39 45.7 | 2.133 | 3.075 | 6.4 | 20.0 |
| 12 27 | 6 24.30 | +39 34.8 | 2.117 | 3.074 | 5.1 | 19.9 |
| 1 6 | 6 13.63 | +39 6.9 | 2.130 | 3.072 | 6.3 | 20.0 |
| 1 16 | 6 4.23 | +38 23.9 | 2.171 | 3.070 | 8.9 | 20.1 |
| 1 26 | 5 57.10 | +37 30.0 | 2.239 | 3.068 | 11.6 | 20.3 |
| 2 5 | 5 52.76 | +36 30.4 | 2.328 | 3.067 | 14.0 | 20.5 |

**74476** 1999 $CV_{65}$ 12 27.1 356.°59 3.°4/27.6 18

| 11 27 | 6 45.15 | +13 50.0 | 1.789 | 2.644 | 13.0 | 18.6 |
|---|---|---|---|---|---|---|
| 12 7 | 6 39.92 | +13 47.2 | 1.721 | 2.641 | 9.5 | 18.4 |
| 12 17 | 6 32.67 | +13 53.9 | 1.678 | 2.638 | 5.8 | 18.2 |
| 12 27 | 6 24.28 | +14 10.1 | 1.661 | 2.637 | 3.4 | 18.0 |
| 1 6 | 6 15.83 | +14 34.6 | 1.672 | 2.636 | 5.4 | 18.2 |
| 1 16 | 6 8.41 | +15 5.9 | 1.711 | 2.635 | 9.1 | 18.4 |
| 1 26 | 6 2.95 | +15 41.8 | 1.775 | 2.636 | 12.7 | 18.6 |
| 2 5 | 6 0.05 | +16 20.2 | 1.859 | 2.637 | 15.7 | 18.8 |

**106598** 2000 $WZ_{112}$ 12 27.1 299.°46 2.°3/27.1 18 R

| 11 27 | 6 54.16 | +28 48.2 | 1.313 | 2.181 | 15.9 | 18.7 |
|---|---|---|---|---|---|---|
| 12 7 | 6 47.05 | +28 46.6 | 1.245 | 2.174 | 11.4 | 18.4 |
| 12 17 | 6 36.65 | +28 38.2 | 1.199 | 2.168 | 6.3 | 18.1 |
| 12 27 | 6 24.33 | +28 19.4 | 1.180 | 2.161 | 2.3 | 17.8 |
| 1 6 | 6 11.98 | +27 49.3 | 1.187 | 2.155 | 6.2 | 18.0 |
| 1 16 | 6 1.42 | +27 10.4 | 1.219 | 2.148 | 11.5 | 18.3 |
| 1 26 | 5 54.11 | +26 27.6 | 1.275 | 2.142 | 16.2 | 18.6 |
| 2 5 | 5 50.73 | +25 45.8 | 1.349 | 2.137 | 20.1 | 18.8 |

**70108** 1999 $KO_{12}$ 12 27.1 128.°17 2.°5/26.9 18

| 11 27 | 6 56.67 | +28 12.4 | 1.655 | 2.507 | 14.0 | 19.6 |
|---|---|---|---|---|---|---|
| 12 7 | 6 48.14 | +28 51.4 | 1.601 | 2.523 | 9.9 | 19.4 |
| 12 17 | 6 36.95 | +29 26.1 | 1.573 | 2.538 | 5.5 | 19.2 |
| 12 27 | 6 24.35 | +29 51.7 | 1.573 | 2.553 | 2.5 | 19.0 |
| 1 6 | 6 11.89 | +30 5.4 | 1.603 | 2.566 | 5.5 | 19.2 |
| 1 16 | 6 1.07 | +30 7.6 | 1.660 | 2.579 | 9.7 | 19.5 |
| 1 26 | 5 53.02 | +30 1.2 | 1.743 | 2.591 | 13.5 | 19.8 |
| 2 5 | 5 48.32 | +29 49.7 | 1.847 | 2.603 | 16.6 | 20.0 |

**199669** 2006 $GM_{52}$ 12 27.1 130.°12 0.°2/27.1 17

| 11 27 | 6 47.55 | +22 28.0 | 2.444 | 3.294 | 10.2 | 20.4 |
|---|---|---|---|---|---|---|
| 12 7 | 6 41.21 | +22 58.6 | 2.378 | 3.300 | 7.1 | 20.2 |
| 12 17 | 6 33.21 | +23 30.8 | 2.338 | 3.306 | 3.7 | 20.0 |
| 12 27 | 6 24.29 | +24 2.2 | 2.329 | 3.312 | 0.2 | 19.7 |
| 1 6 | 6 15.35 | +24 31.0 | 2.350 | 3.318 | 3.6 | 20.0 |
| 1 16 | 6 7.26 | +24 56.1 | 2.401 | 3.323 | 7.0 | 20.2 |
| 1 26 | 6 0.80 | +25 17.4 | 2.480 | 3.329 | 10.0 | 20.4 |
| 2 5 | 5 56.46 | +25 35.4 | 2.582 | 3.334 | 12.5 | 20.6 |

**247257** 2001 $RX_{88}$ 12 27.1 32.°23 4.°7/26.8 18

| 11 27 | 6 51.60 | +32 17.3 | 1.291 | 2.161 | 16.0 | 18.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 45.00 | +33 3.9 | 1.255 | 2.182 | 11.6 | 18.7 |
| 12 17 | 6 35.40 | +33 40.9 | 1.242 | 2.205 | 7.1 | 18.5 |
| 12 27 | 6 24.32 | +34 2.0 | 1.254 | 2.228 | 4.7 | 18.4 |
| 1 6 | 6 13.62 | +34 5.1 | 1.292 | 2.252 | 7.1 | 18.6 |
| 1 16 | 6 4.94 | +33 52.0 | 1.355 | 2.277 | 11.2 | 18.9 |
| 1 26 | 5 59.46 | +33 27.5 | 1.441 | 2.303 | 15.0 | 19.2 |
| 2 5 | 5 57.63 | +32 56.8 | 1.546 | 2.330 | 18.1 | 19.5 |

**482589** 2012 $XX_{93}$ 12 27.1 4.°99 1.°7/27.1 16

| 11 27 | 6 50.14 | +26 55.5 | 1.252 | 2.128 | 16.0 | 20.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 44.17 | +27 2.0 | 1.194 | 2.128 | 11.3 | 20.6 |
| 12 17 | 6 35.11 | +27 5.0 | 1.158 | 2.128 | 6.1 | 20.3 |
| 12 27 | 6 24.32 | +27 1.0 | 1.147 | 2.130 | 1.7 | 20.1 |
| 1 6 | 6 13.59 | +26 48.8 | 1.162 | 2.132 | 6.0 | 20.3 |
| 1 16 | 6 4.63 | +26 29.7 | 1.202 | 2.135 | 11.2 | 20.6 |
| 1 26 | 5 58.79 | +26 6.8 | 1.265 | 2.139 | 15.8 | 20.9 |
| 2 5 | 5 56.68 | +25 43.3 | 1.346 | 2.144 | 19.6 | 21.2 |

**52423** 1994 $LZ$ 12 27.1 125.°75 0.°6/26.9 18

| 11 27 | 6 57.20 | +19 40.4 | 1.705 | 2.551 | 14.0 | 18.5 |
|---|---|---|---|---|---|---|
| 12 7 | 6 48.59 | +21 22.4 | 1.645 | 2.565 | 9.8 | 18.3 |
| 12 17 | 6 37.28 | +23 11.8 | 1.611 | 2.578 | 5.1 | 18.0 |
| 12 27 | 6 24.36 | +25 1.2 | 1.608 | 2.591 | 0.6 | 17.7 |
| 1 6 | 6 11.27 | +26 42.8 | 1.637 | 2.603 | 5.0 | 18.1 |
| 1 16 | 5 59.49 | +28 11.6 | 1.696 | 2.614 | 9.6 | 18.4 |
| 1 26 | 5 50.27 | +29 26.1 | 1.782 | 2.625 | 13.5 | 18.6 |
| 2 5 | 5 44.31 | +30 27.6 | 1.890 | 2.636 | 16.6 | 18.9 |

**134968** 2001 $DJ_{107}$ 12 27.1 23.°31 5.°8/27.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.00 | +34 19.5 | 1.098 | 1.972 | 17.9 | 19.0 |
| 12 7 | 6 47.31 | +34 52.7 | 1.050 | 1.977 | 13.2 | 18.8 |
| 12 17 | 6 36.85 | +35 12.5 | 1.022 | 1.984 | 8.5 | 18.5 |
| 12 27 | 6 24.35 | +35 11.5 | 1.018 | 1.991 | 5.8 | 18.4 |
| 1 6 | 6 12.10 | +34 47.8 | 1.039 | 1.999 | 8.4 | 18.6 |
| 1 16 | 6 2.24 | +34 4.9 | 1.083 | 2.008 | 13.0 | 18.8 |
| 1 26 | 5 56.25 | +33 10.6 | 1.148 | 2.018 | 17.4 | 19.1 |
| 2 5 | 5 54.63 | +32 12.5 | 1.231 | 2.029 | 21.1 | 19.4 |

**29483** Boeker 12 27.1 55.°16 3.°4/27.5 18

| 11 27 | 6 52.47 | +15 46.9 | 1.259 | 2.123 | 16.8 | 18.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 45.21 | +15 36.9 | 1.224 | 2.150 | 12.0 | 18.7 |
| 12 17 | 6 35.37 | +15 36.9 | 1.212 | 2.177 | 6.9 | 18.5 |
| 12 27 | 6 24.33 | +15 46.0 | 1.226 | 2.205 | 3.4 | 18.4 |
| 1 6 | 6 13.74 | +16 2.7 | 1.266 | 2.233 | 6.2 | 18.6 |
| 1 16 | 6 5.03 | +16 25.2 | 1.333 | 2.261 | 10.8 | 19.0 |
| 1 26 | 5 59.21 | +16 51.6 | 1.422 | 2.289 | 14.9 | 19.3 |
| 2 5 | 5 56.72 | +17 20.1 | 1.531 | 2.317 | 18.2 | 19.6 |

**118805** 2000 $SB_{56}$ 12 27.1 61.°16 0.°3/27.1 18 R

| 11 27 | 6 49.17 | +24 3.0 | 1.903 | 2.760 | 12.2 | 19.5 |
|---|---|---|---|---|---|---|
| 12 7 | 6 42.66 | +24 9.0 | 1.839 | 2.765 | 8.6 | 19.3 |
| 12 17 | 6 34.05 | +24 14.8 | 1.801 | 2.769 | 4.4 | 19.1 |
| 12 27 | 6 24.32 | +24 18.3 | 1.791 | 2.774 | 0.4 | 18.8 |
| 1 6 | 6 14.63 | +24 18.5 | 1.810 | 2.779 | 4.3 | 19.1 |
| 1 16 | 6 6.11 | +24 15.6 | 1.858 | 2.784 | 8.4 | 19.3 |
| 1 26 | 5 59.71 | +24 10.6 | 1.931 | 2.788 | 12.0 | 19.6 |
| 2 5 | 5 55.98 | +24 4.9 | 2.027 | 2.793 | 15.0 | 19.8 |

**202224** 2004 $XQ_{180}$ 12 27.1 327.°33 1.°9/27.2 17

| 11 27 | 6 50.49 | +28 33.9 | 1.380 | 2.251 | 15.1 | 19.6 |
|---|---|---|---|---|---|---|
| 12 7 | 6 44.42 | +28 23.9 | 1.305 | 2.236 | 10.8 | 19.3 |
| 12 17 | 6 35.30 | +28 7.1 | 1.252 | 2.221 | 5.9 | 19.0 |
| 12 27 | 6 24.34 | +27 40.9 | 1.226 | 2.208 | 1.9 | 18.7 |
| 1 6 | 6 13.24 | +27 4.9 | 1.226 | 2.195 | 5.9 | 18.9 |
| 1 16 | 6 3.71 | +26 21.7 | 1.251 | 2.182 | 11.0 | 19.2 |
| 1 26 | 5 57.14 | +25 35.7 | 1.300 | 2.171 | 15.7 | 19.4 |
| 2 5 | 5 54.25 | +24 51.1 | 1.368 | 2.161 | 19.6 | 19.6 |

**22477** Julimacoraor 12 27.1 210.°38 0.°9/27.1 18

| 11 27 | 6 51.45 | +25 46.5 | 1.995 | 2.847 | 12.0 | 19.6 |
|---|---|---|---|---|---|---|
| 12 7 | 6 44.29 | +25 54.6 | 1.920 | 2.843 | 8.4 | 19.4 |
| 12 17 | 6 34.94 | +26 0.7 | 1.871 | 2.838 | 4.5 | 19.1 |
| 12 27 | 6 24.35 | +26 2.5 | 1.851 | 2.833 | 0.9 | 18.8 |
| 1 6 | 6 13.69 | +25 58.9 | 1.860 | 2.828 | 4.4 | 19.1 |
| 1 16 | 6 4.16 | +25 50.2 | 1.899 | 2.822 | 8.5 | 19.3 |
| 1 26 | 5 56.75 | +25 38.0 | 1.964 | 2.815 | 12.1 | 19.5 |
| 2 5 | 5 52.08 | +25 24.5 | 2.051 | 2.809 | 15.1 | 19.7 |

**113879** 2002 $TB_{262}$ 12 27.1 336.°34 3.°6/27.6 18

| 11 27 | 6 49.50 | +14 56.8 | 1.293 | 2.159 | 16.3 | 19.5 |
|---|---|---|---|---|---|---|
| 12 7 | 6 43.61 | +14 54.0 | 1.228 | 2.153 | 11.9 | 19.2 |
| 12 17 | 6 34.84 | +15 2.7 | 1.184 | 2.149 | 7.0 | 18.9 |
| 12 27 | 6 24.35 | +15 22.7 | 1.166 | 2.144 | 3.6 | 18.7 |
| 1 6 | 6 13.71 | +15 52.1 | 1.174 | 2.140 | 6.5 | 18.9 |
| 1 16 | 6 4.54 | +16 28.5 | 1.207 | 2.137 | 11.5 | 19.2 |
| 1 26 | 5 58.16 | +17 9.4 | 1.263 | 2.134 | 16.1 | 19.4 |
| 2 5 | 5 55.29 | +17 52.1 | 1.337 | 2.131 | 19.9 | 19.7 |

**293865** 2007 $RM_{249}$ 12 27.2 84.°99 4.°9/27.3 18

| 11 27 | 6 57.26 | +36 44.7 | 1.730 | 2.573 | 14.0 | 21.0 |
|---|---|---|---|---|---|---|
| 12 7 | 6 48.40 | +36 53.3 | 1.684 | 2.594 | 10.4 | 20.9 |
| 12 17 | 6 36.97 | +36 48.1 | 1.662 | 2.614 | 6.8 | 20.7 |
| 12 27 | 6 24.38 | +36 25.6 | 1.667 | 2.635 | 4.9 | 20.6 |
| 1 6 | 6 12.24 | +35 45.6 | 1.702 | 2.655 | 6.5 | 20.8 |
| 1 16 | 6 1.98 | +34 52.0 | 1.764 | 2.675 | 9.8 | 21.0 |
| 1 26 | 5 54.64 | +33 50.6 | 1.852 | 2.694 | 13.1 | 21.3 |
| 2 5 | 5 50.62 | +32 47.5 | 1.961 | 2.713 | 15.9 | 21.5 |

**138491** 2000 $KE_{27}$ 12 27.2 62.°31 2.°0/27.2 18

| 11 27 | 6 50.20 | +19 13.6 | 1.712 | 2.568 | 13.4 | 18.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 43.30 | +18 44.1 | 1.661 | 2.585 | 9.5 | 18.7 |
| 12 17 | 6 34.33 | +18 18.1 | 1.636 | 2.602 | 5.2 | 18.5 |
| 12 27 | 6 24.35 | +17 55.7 | 1.639 | 2.619 | 2.0 | 18.3 |
| 1 6 | 6 14.61 | +17 37.6 | 1.670 | 2.637 | 4.9 | 18.5 |
| 1 16 | 6 6.25 | +17 24.2 | 1.730 | 2.654 | 9.0 | 18.8 |
| 1 26 | 6 0.16 | +17 16.0 | 1.814 | 2.672 | 12.6 | 19.1 |
| 2 5 | 5 56.79 | +17 12.6 | 1.920 | 2.689 | 15.6 | 19.3 |

**270107** 2001 $RM_1$ 12 27.2 137.°03 0.°8/27.2 18

| 11 27 | 6 53.08 | +20 49.3 | 1.847 | 2.697 | 12.9 | 21.6 |
|---|---|---|---|---|---|---|
| 12 7 | 6 45.34 | +20 55.5 | 1.788 | 2.710 | 9.0 | 21.4 |
| 12 17 | 6 35.43 | +21 4.0 | 1.754 | 2.722 | 4.7 | 21.2 |
| 12 27 | 6 24.38 | +21 13.0 | 1.750 | 2.733 | 0.8 | 20.9 |
| 1 6 | 6 13.43 | +21 21.4 | 1.776 | 2.744 | 4.5 | 21.2 |
| 1 16 | 6 3.79 | +21 28.7 | 1.831 | 2.754 | 8.7 | 21.5 |
| 1 26 | 5 56.41 | +21 35.5 | 1.912 | 2.763 | 12.3 | 21.8 |
| 2 5 | 5 51.82 | +21 42.2 | 2.014 | 2.772 | 15.3 | 22.0 |

**108696** 2001 $OF_{13}$ 12 27.2 235.°81 12.°1/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.75 | −17 36.2 | 2.607 | 3.281 | 14.2 | 19.9 |
| 12 7 | 6 41.37 | −18 48.1 | 2.531 | 3.265 | 13.1 | 19.8 |
| 12 17 | 6 33.35 | −19 36.9 | 2.476 | 3.247 | 12.4 | 19.7 |
| 12 27 | 6 24.35 | −19 57.8 | 2.442 | 3.229 | 12.1 | 19.6 |
| 1 6 | 6 15.18 | −19 48.6 | 2.432 | 3.211 | 12.3 | 19.6 |
| 1 16 | 6 6.66 | −19 10.1 | 2.444 | 3.191 | 13.2 | 19.6 |
| 1 26 | 5 59.58 | −18 5.8 | 2.477 | 3.171 | 14.3 | 19.7 |
| 2 5 | 5 54.47 | −16 41.4 | 2.529 | 3.150 | 15.6 | 19.8 |

**495294** 2013 $TY_{118}$ 12 27.2 61.°05 3.°0/27.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 45.88 | +14 31.2 | 2.316 | 3.159 | 10.9 | 21.0 |
| 12 7 | 6 39.96 | +14 3.2 | 2.257 | 3.170 | 7.9 | 20.8 |
| 12 17 | 6 32.53 | +13 41.0 | 2.224 | 3.181 | 4.9 | 20.7 |
| 12 27 | 6 24.34 | +13 25.6 | 2.220 | 3.193 | 3.0 | 20.6 |
| 1 6 | 6 16.24 | +13 17.2 | 2.245 | 3.204 | 4.6 | 20.7 |
| 1 16 | 6 9.04 | +13 15.5 | 2.300 | 3.216 | 7.6 | 20.9 |
| 1 26 | 6 3.43 | +13 20.0 | 2.381 | 3.227 | 10.4 | 21.1 |
| 2 5 | 5 59.86 | +13 29.5 | 2.485 | 3.239 | 12.9 | 21.3 |

**148307** 2000 $LR_{33}$ 12 27.2 240.°61 1.°0/27.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.53 | +18 14.0 | 2.085 | 2.933 | 11.7 | 19.8 |
| 12 7 | 6 42.95 | +18 52.7 | 2.003 | 2.923 | 8.3 | 19.6 |
| 12 17 | 6 34.30 | +19 38.1 | 1.948 | 2.914 | 4.5 | 19.4 |
| 12 27 | 6 24.38 | +20 27.4 | 1.922 | 2.904 | 1.0 | 19.1 |
| 1 6 | 6 14.23 | +21 17.7 | 1.926 | 2.894 | 4.2 | 19.3 |
| 1 16 | 6 4.95 | +22 6.4 | 1.960 | 2.884 | 8.2 | 19.5 |
| 1 26 | 5 57.53 | +22 52.2 | 2.021 | 2.873 | 11.8 | 19.7 |
| 2 5 | 5 52.60 | +23 34.5 | 2.105 | 2.862 | 14.8 | 19.9 |

**146674** 2001 $UL_{205}$ 12 27.2 74.°11 2.°0/26.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.75 | +27 51.2 | 1.843 | 2.700 | 12.6 | 20.1 |
| 12 7 | 6 43.84 | +28 14.9 | 1.786 | 2.710 | 8.9 | 19.9 |
| 12 17 | 6 34.71 | +28 35.1 | 1.754 | 2.721 | 4.9 | 19.7 |
| 12 27 | 6 24.38 | +28 48.6 | 1.751 | 2.731 | 2.0 | 19.5 |
| 1 6 | 6 14.15 | +28 53.6 | 1.776 | 2.742 | 4.8 | 19.7 |
| 1 16 | 6 5.23 | +28 50.6 | 1.830 | 2.752 | 8.7 | 20.0 |
| 1 26 | 5 58.62 | +28 41.4 | 1.909 | 2.763 | 12.3 | 20.2 |
| 2 5 | 5 54.85 | +28 28.7 | 2.010 | 2.773 | 15.2 | 20.5 |

**443423** 2014 $HJ_{93}$ 12 27.2 65.°97 3.°9/26.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.91 | +30 11.7 | 1.604 | 2.463 | 14.0 | 21.1 |
| 12 7 | 6 45.81 | +31 16.8 | 1.547 | 2.470 | 10.1 | 20.9 |
| 12 17 | 6 35.91 | +32 17.3 | 1.514 | 2.477 | 6.1 | 20.6 |
| 12 27 | 6 24.40 | +33 6.7 | 1.509 | 2.484 | 3.9 | 20.5 |
| 1 6 | 6 12.84 | +33 40.7 | 1.532 | 2.491 | 6.4 | 20.7 |
| 1 16 | 6 2.78 | +33 58.5 | 1.582 | 2.498 | 10.4 | 20.9 |
| 1 26 | 5 55.49 | +34 2.7 | 1.657 | 2.505 | 14.1 | 21.2 |
| 2 5 | 5 51.61 | +33 57.7 | 1.751 | 2.513 | 17.2 | 21.4 |

**358116** 2006 $PZ_{12}$ 12 27.2 51.°49 3.°9/27.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.71 | +33 45.8 | 1.517 | 2.374 | 14.8 | 20.7 |
| 12 7 | 6 46.80 | +33 42.4 | 1.472 | 2.393 | 10.7 | 20.5 |
| 12 17 | 6 36.21 | +33 27.2 | 1.451 | 2.412 | 6.5 | 20.3 |
| 12 27 | 6 24.41 | +32 57.3 | 1.457 | 2.432 | 3.9 | 20.2 |
| 1 6 | 6 13.06 | +32 13.2 | 1.490 | 2.452 | 6.2 | 20.4 |
| 1 16 | 6 3.65 | +31 18.9 | 1.550 | 2.472 | 10.1 | 20.7 |
| 1 26 | 5 57.22 | +30 20.1 | 1.635 | 2.492 | 13.8 | 20.9 |
| 2 5 | 5 54.18 | +29 21.8 | 1.741 | 2.513 | 16.9 | 21.2 |

**396882** 2004 $TR_{192}$ 12 27.2 160.°34 4.°8/26.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.53 | +35 5.3 | 1.902 | 2.744 | 12.9 | 21.3 |
| 12 7 | 6 47.40 | +35 53.4 | 1.839 | 2.750 | 9.6 | 21.1 |
| 12 17 | 6 36.65 | +36 32.1 | 1.802 | 2.754 | 6.4 | 21.0 |
| 12 27 | 6 24.42 | +36 55.7 | 1.793 | 2.758 | 4.8 | 20.9 |
| 1 6 | 6 12.18 | +37 1.6 | 1.813 | 2.762 | 6.6 | 21.0 |
| 1 16 | 6 1.37 | +36 50.5 | 1.861 | 2.765 | 9.8 | 21.2 |
| 1 26 | 5 53.19 | +36 26.5 | 1.935 | 2.768 | 13.0 | 21.4 |
| 2 5 | 5 48.23 | +35 54.7 | 2.029 | 2.770 | 15.8 | 21.6 |

**306495** 1999 $TH_{328}$ 12 27.2 126.°60 3.°4/26.9 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.00 | +33 1.5 | 2.188 | 3.034 | 11.3 | 21.3 |
| 12 7 | 6 43.87 | +33 26.5 | 2.124 | 3.039 | 8.2 | 21.1 |
| 12 17 | 6 34.69 | +33 44.2 | 2.087 | 3.045 | 5.1 | 20.9 |
| 12 27 | 6 24.40 | +33 51.4 | 2.078 | 3.050 | 3.4 | 20.8 |
| 1 6 | 6 14.16 | +33 46.5 | 2.099 | 3.055 | 5.2 | 21.0 |
| 1 16 | 6 5.08 | +33 30.5 | 2.149 | 3.060 | 8.3 | 21.2 |
| 1 26 | 5 58.11 | +33 6.0 | 2.224 | 3.065 | 11.3 | 21.4 |
| 2 5 | 5 53.77 | +32 36.7 | 2.322 | 3.070 | 13.8 | 21.6 |

**410916** 2009 $SO_{185}$ 12 27.2 22.°04 4.°3/27.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.84 | +11 49.7 | 2.054 | 2.894 | 12.2 | 21.2 |
| 12 7 | 6 40.85 | +11 12.7 | 1.986 | 2.895 | 9.1 | 21.0 |
| 12 17 | 6 33.09 | +10 44.2 | 1.944 | 2.896 | 6.0 | 20.8 |
| 12 27 | 6 24.38 | +10 25.7 | 1.930 | 2.897 | 4.3 | 20.7 |
| 1 6 | 6 15.67 | +10 17.8 | 1.945 | 2.898 | 5.8 | 20.8 |
| 1 16 | 6 7.93 | +10 20.4 | 1.988 | 2.899 | 8.8 | 21.0 |
| 1 26 | 6 1.95 | +10 32.2 | 2.056 | 2.900 | 11.9 | 21.2 |
| 2 5 | 5 58.26 | +10 51.2 | 2.146 | 2.902 | 14.6 | 21.4 |

**332749** 2009 $TN_{27}$ 12 27.2 76.°70 2.°7/27.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.60 | +16 5.6 | 1.404 | 2.260 | 15.9 | 20.8 |
| 12 7 | 6 46.56 | +16 14.6 | 1.368 | 2.290 | 11.3 | 20.6 |
| 12 17 | 6 36.06 | +16 32.3 | 1.355 | 2.319 | 6.3 | 20.4 |
| 12 27 | 6 24.42 | +16 56.8 | 1.369 | 2.349 | 2.7 | 20.2 |
| 1 6 | 6 13.19 | +17 25.6 | 1.411 | 2.377 | 5.6 | 20.5 |
| 1 16 | 6 3.73 | +17 56.7 | 1.480 | 2.406 | 10.1 | 20.8 |
| 1 26 | 5 57.05 | +18 28.6 | 1.574 | 2.434 | 14.1 | 21.1 |
| 2 5 | 5 53.60 | +19 0.3 | 1.688 | 2.461 | 17.3 | 21.4 |

**449237** 2013 $CP_{163}$ 12 27.2 154.°77 3.°9/27.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.16 | +11 4.5 | 2.213 | 3.046 | 11.7 | 21.3 |
| 12 7 | 6 41.66 | +10 57.2 | 2.146 | 3.051 | 8.7 | 21.1 |
| 12 17 | 6 33.48 | +10 59.4 | 2.105 | 3.057 | 5.7 | 20.9 |
| 12 27 | 6 24.39 | +11 11.4 | 2.093 | 3.062 | 3.9 | 20.8 |
| 1 6 | 6 15.29 | +11 32.4 | 2.111 | 3.066 | 5.3 | 20.9 |
| 1 16 | 6 7.10 | +12 1.0 | 2.158 | 3.070 | 8.2 | 21.1 |
| 1 26 | 6 0.60 | +12 35.3 | 2.232 | 3.074 | 11.2 | 21.3 |
| 2 5 | 5 56.29 | +13 13.3 | 2.328 | 3.077 | 13.7 | 21.5 |

**199649** 2006 $GM_{23}$ 12 27.2 316.°31 4.°6/27.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 45.66 | + 9 53.2 | 2.195 | 3.029 | 11.7 | 20.4 |
| 12 7 | 6 39.98 | + 9 26.6 | 2.123 | 3.026 | 8.9 | 20.2 |
| 12 17 | 6 32.64 | + 9 9.9 | 2.077 | 3.024 | 6.1 | 20.1 |
| 12 27 | 6 24.38 | + 9 4.3 | 2.058 | 3.021 | 4.6 | 20.0 |
| 1 6 | 6 16.08 | + 9 10.1 | 2.069 | 3.019 | 5.8 | 20.0 |
| 1 16 | 6 8.62 | + 9 26.3 | 2.108 | 3.016 | 8.6 | 20.2 |
| 1 26 | 6 2.79 | + 9 51.3 | 2.173 | 3.014 | 11.5 | 20.4 |
| 2 5 | 5 59.09 | +10 22.9 | 2.259 | 3.012 | 14.0 | 20.6 |

**449538** 2014 $HL_{100}$ 12 27.2 131.°19 5.°4/26.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.54 | +37 10.1 | 2.099 | 2.934 | 12.2 | 21.8 |
| 12 7 | 6 47.29 | +38 17.2 | 2.044 | 2.947 | 9.2 | 21.6 |
| 12 17 | 6 36.56 | +39 14.0 | 2.015 | 2.959 | 6.5 | 21.5 |
| 12 27 | 6 24.44 | +39 54.6 | 2.015 | 2.970 | 5.4 | 21.4 |
| 1 6 | 6 12.30 | +40 15.9 | 2.044 | 2.981 | 6.9 | 21.5 |
| 1 16 | 6 1.51 | +40 18.2 | 2.101 | 2.992 | 9.5 | 21.7 |
| 1 26 | 5 53.18 | +40 5.3 | 2.184 | 3.002 | 12.3 | 21.9 |
| 2 5 | 5 47.93 | +39 42.3 | 2.287 | 3.012 | 14.6 | 22.1 |

**424714** 2008 $SO_{125}$ 12 27.2 12.°48 5.°9/27.5 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 45.38 | + 7 16.5 | 2.064 | 2.894 | 12.5 | 21.6 |
| 12 7 | 6 39.82 | + 6 31.0 | 2.000 | 2.896 | 9.8 | 21.5 |
| 12 17 | 6 32.56 | + 5 57.4 | 1.960 | 2.897 | 7.2 | 21.3 |
| 12 27 | 6 24.39 | + 5 38.1 | 1.947 | 2.899 | 5.9 | 21.2 |
| 1 6 | 6 16.23 | + 5 34.0 | 1.962 | 2.902 | 7.0 | 21.3 |
| 1 16 | 6 8.98 | + 5 44.5 | 2.005 | 2.905 | 9.5 | 21.5 |
| 1 26 | 6 3.43 | + 6 7.4 | 2.072 | 2.907 | 12.2 | 21.6 |
| 2 5 | 6 0.08 | + 6 39.6 | 2.161 | 2.911 | 14.7 | 21.8 |

**26722** 2001 $HK_{7}$ 12 27.2 181.°72 4.°3/27.4 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 45.74 | + 7 25.2 | 3.081 | 3.893 | 9.3 | 18.6 |
| 12 7 | 6 39.63 | + 6 46.7 | 3.007 | 3.894 | 7.2 | 18.5 |
| 12 17 | 6 32.33 | + 6 16.2 | 2.961 | 3.894 | 5.3 | 18.3 |
| 12 27 | 6 24.39 | + 5 54.9 | 2.944 | 3.894 | 4.3 | 18.3 |
| 1 6 | 6 16.45 | + 5 43.7 | 2.958 | 3.893 | 5.2 | 18.3 |
| 1 16 | 6 9.13 | + 5 42.3 | 3.002 | 3.892 | 7.0 | 18.5 |
| 1 26 | 6 3.00 | + 5 49.8 | 3.074 | 3.890 | 9.1 | 18.6 |
| 2 5 | 5 58.44 | + 6 4.7 | 3.168 | 3.888 | 11.0 | 18.7 |

**447147** 2005 $GQ_{72}$ 12 27.2 138.°57 2.°1/27.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.37 | +17 42.3 | 1.806 | 2.660 | 13.0 | 21.5 |
| 12 7 | 6 42.88 | +17 36.0 | 1.739 | 2.661 | 9.3 | 21.2 |
| 12 17 | 6 34.24 | +17 34.9 | 1.698 | 2.663 | 5.2 | 21.0 |
| 12 27 | 6 24.43 | +17 38.6 | 1.684 | 2.664 | 2.1 | 20.8 |
| 1 6 | 6 14.60 | +17 46.3 | 1.699 | 2.665 | 4.9 | 21.0 |
| 1 16 | 6 5.92 | +17 57.2 | 1.742 | 2.667 | 8.9 | 21.2 |
| 1 26 | 5 59.36 | +18 11.0 | 1.811 | 2.668 | 12.7 | 21.5 |
| 2 5 | 5 55.50 | +18 27.0 | 1.901 | 2.669 | 15.8 | 21.7 |

**5643** Roques 12 27.2 176.°43 2.°9/27.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.32 | +15 37.8 | 1.714 | 2.560 | 13.9 | 18.5 |
| 12 7 | 6 45.72 | +15 34.0 | 1.646 | 2.563 | 10.1 | 18.3 |
| 12 17 | 6 35.76 | +15 37.7 | 1.603 | 2.565 | 5.8 | 18.0 |
| 12 27 | 6 24.46 | +15 48.5 | 1.588 | 2.566 | 2.9 | 17.8 |
| 1 6 | 6 13.13 | +16 5.2 | 1.602 | 2.567 | 5.5 | 18.0 |
| 1 16 | 6 3.05 | +16 26.5 | 1.645 | 2.566 | 9.7 | 18.3 |
| 1 26 | 5 55.31 | +16 51.3 | 1.714 | 2.565 | 13.5 | 18.5 |
| 2 5 | 5 50.52 | +17 18.5 | 1.803 | 2.564 | 16.8 | 18.7 |

**302722** 2002 $TB_{298}$ 12 27.2 93.°69 2.°1/27.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.51 | +17 57.1 | 1.850 | 2.701 | 12.8 | 20.6 |
| 12 7 | 6 43.47 | +17 44.9 | 1.796 | 2.717 | 9.1 | 20.5 |
| 12 17 | 6 34.46 | +17 37.4 | 1.769 | 2.733 | 5.0 | 20.2 |
| 12 27 | 6 24.45 | +17 34.2 | 1.769 | 2.750 | 2.1 | 20.1 |
| 1 6 | 6 14.61 | +17 34.8 | 1.800 | 2.765 | 4.7 | 20.3 |
| 1 16 | 6 6.03 | +17 38.8 | 1.858 | 2.781 | 8.6 | 20.6 |
| 1 26 | 5 59.57 | +17 46.0 | 1.943 | 2.796 | 12.1 | 20.8 |
| 2 5 | 5 55.71 | +17 55.9 | 2.049 | 2.812 | 15.0 | 21.0 |

**257543** 1998 $MS_{16}$ 12 27.2 114.°74 0.°1/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.78 | +22 59.2 | 2.447 | 3.294 | 10.2 | 21.4 |
| 12 7 | 6 42.00 | +23 10.8 | 2.389 | 3.310 | 7.1 | 21.2 |
| 12 17 | 6 33.63 | +23 22.7 | 2.358 | 3.326 | 3.7 | 21.0 |
| 12 27 | 6 24.44 | +23 33.4 | 2.358 | 3.341 | 0.1 | 20.7 |
| 1 6 | 6 15.35 | +23 41.7 | 2.388 | 3.356 | 3.5 | 21.1 |
| 1 16 | 6 7.20 | +23 47.5 | 2.449 | 3.371 | 6.9 | 21.3 |
| 1 26 | 6 0.73 | +23 51.3 | 2.537 | 3.385 | 9.8 | 21.5 |
| 2 5 | 5 56.39 | +23 53.8 | 2.648 | 3.399 | 12.2 | 21.7 |

**220129** 2002 $TX_{77}$ 12 27.2 67.°69 0.°2/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.01 | +22 38.5 | 1.285 | 2.150 | 16.4 | 20.1 |
| 12 7 | 6 47.73 | +22 41.1 | 1.251 | 2.180 | 11.4 | 19.9 |
| 12 17 | 6 36.72 | +22 44.8 | 1.241 | 2.210 | 5.9 | 19.7 |
| 12 27 | 6 24.49 | +22 46.9 | 1.256 | 2.240 | 0.3 | 19.3 |
| 1 6 | 6 12.81 | +22 46.3 | 1.300 | 2.269 | 5.4 | 19.8 |
| 1 16 | 6 3.19 | +22 43.7 | 1.369 | 2.299 | 10.4 | 20.2 |
| 1 26 | 5 56.68 | +22 40.5 | 1.463 | 2.328 | 14.7 | 20.5 |
| 2 5 | 5 53.68 | +22 38.0 | 1.576 | 2.356 | 18.0 | 20.8 |

**368368** 2002 $QN_{153}$ 12 27.2 237.°28 1.°5/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 46.67 | +17 7.1 | 2.407 | 3.252 | 10.4 | 20.7 |
| 12 7 | 6 40.69 | +17 24.4 | 2.329 | 3.247 | 7.5 | 20.5 |
| 12 17 | 6 33.04 | +17 47.1 | 2.277 | 3.241 | 4.1 | 20.3 |
| 12 27 | 6 24.44 | +18 14.0 | 2.254 | 3.235 | 1.5 | 20.1 |
| 1 6 | 6 15.72 | +18 43.5 | 2.262 | 3.229 | 3.8 | 20.3 |
| 1 16 | 6 7.77 | +19 14.4 | 2.300 | 3.222 | 7.2 | 20.5 |
| 1 26 | 6 1.36 | +19 45.6 | 2.365 | 3.216 | 10.3 | 20.7 |
| 2 5 | 5 57.04 | +20 16.3 | 2.454 | 3.209 | 13.0 | 20.8 |

**278956** Shei–Pa 12 27.2 5.°20 8.°1/24.8 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.67 | +42 57.9 | 2.011 | 2.838 | 12.9 | 20.0 |
| 12 7 | 6 46.55 | +44 43.5 | 1.953 | 2.838 | 10.5 | 19.9 |
| 12 17 | 6 36.47 | +46 16.0 | 1.920 | 2.839 | 8.6 | 19.8 |
| 12 27 | 6 24.49 | +47 26.8 | 1.914 | 2.840 | 8.1 | 19.7 |
| 1 6 | 6 12.16 | +48 11.1 | 1.935 | 2.841 | 9.3 | 19.8 |
| 1 16 | 6 1.13 | +48 28.6 | 1.982 | 2.843 | 11.5 | 20.0 |
| 1 26 | 5 52.82 | +48 23.2 | 2.052 | 2.845 | 13.9 | 20.1 |
| 2 5 | 5 48.04 | +48 1.6 | 2.142 | 2.848 | 16.0 | 20.3 |

**160478** 2006 $WO_{82}$ 12 27.2 21.°21 0.°4/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.16 | +22 34.8 | 1.722 | 2.583 | 13.1 | 20.1 |
| 12 7 | 6 42.92 | +23 8.2 | 1.658 | 2.585 | 9.2 | 19.9 |
| 12 17 | 6 34.36 | +23 44.2 | 1.619 | 2.588 | 4.8 | 19.6 |
| 12 27 | 6 24.46 | +24 19.5 | 1.607 | 2.591 | 0.4 | 19.3 |
| 1 6 | 6 14.51 | +24 51.1 | 1.625 | 2.594 | 4.7 | 19.6 |
| 1 16 | 6 5.76 | +25 17.6 | 1.670 | 2.597 | 9.1 | 19.9 |
| 1 26 | 5 59.30 | +25 39.0 | 1.740 | 2.601 | 12.9 | 20.1 |
| 2 5 | 5 55.74 | +25 56.3 | 1.831 | 2.604 | 16.1 | 20.4 |

**279366** 2010 $AU_{68}$ 12 27.2 278.°22 1.°0/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.59 | +24 43.3 | 2.315 | 3.168 | 10.5 | 20.3 |
| 12 7 | 6 41.46 | +25 20.1 | 2.240 | 3.163 | 7.4 | 20.1 |
| 12 17 | 6 33.50 | +25 57.5 | 2.191 | 3.158 | 3.9 | 19.9 |
| 12 27 | 6 24.45 | +26 32.6 | 2.171 | 3.154 | 1.0 | 19.6 |
| 1 6 | 6 15.27 | +27 3.0 | 2.183 | 3.149 | 3.9 | 19.8 |
| 1 16 | 6 6.95 | +27 27.5 | 2.223 | 3.145 | 7.5 | 20.1 |
| 1 26 | 6 0.34 | +27 46.4 | 2.291 | 3.140 | 10.6 | 20.3 |
| 2 5 | 5 56.02 | +28 0.6 | 2.381 | 3.136 | 13.3 | 20.4 |

**45327** 2000 $AE_{74}$ 12 27.2 61.°82 3.°4/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.74 | +13 55.9 | 1.292 | 2.152 | 16.7 | 17.6 |
| 12 7 | 6 44.99 | +14 19.4 | 1.243 | 2.166 | 12.0 | 17.4 |
| 12 17 | 6 35.48 | +14 56.3 | 1.216 | 2.180 | 7.0 | 17.1 |
| 12 27 | 6 24.48 | +15 44.5 | 1.215 | 2.194 | 3.4 | 17.0 |
| 1 6 | 6 13.61 | +16 39.7 | 1.241 | 2.208 | 6.2 | 17.2 |
| 1 16 | 6 4.38 | +17 38.0 | 1.293 | 2.222 | 10.9 | 17.5 |
| 1 26 | 5 58.01 | +18 35.9 | 1.369 | 2.237 | 15.3 | 17.8 |
| 2 5 | 5 55.06 | +19 31.2 | 1.464 | 2.251 | 18.8 | 18.1 |

**97053** 1999 $UY_{49}$ 12 27.2 11.°69 0.°7/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.37 | +20 48.5 | 1.464 | 2.331 | 14.6 | 19.2 |
| 12 7 | 6 43.30 | +21 2.2 | 1.403 | 2.333 | 10.3 | 18.9 |
| 12 17 | 6 34.63 | +21 20.1 | 1.365 | 2.334 | 5.4 | 18.7 |
| 12 27 | 6 24.47 | +21 39.9 | 1.353 | 2.337 | 0.7 | 18.3 |
| 1 6 | 6 14.29 | +21 59.3 | 1.369 | 2.339 | 5.2 | 18.7 |
| 1 16 | 6 5.53 | +22 17.2 | 1.412 | 2.343 | 10.0 | 18.9 |
| 1 26 | 5 59.36 | +22 33.5 | 1.478 | 2.346 | 14.3 | 19.2 |
| 2 5 | 5 56.41 | +22 48.5 | 1.564 | 2.350 | 17.8 | 19.5 |

**450705** 2006 $WW_{180}$ 12 27.2 36.°62 0.°9/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.61 | +24 18.9 | 1.748 | 2.609 | 13.0 | 21.4 |
| 12 7 | 6 43.21 | +24 48.8 | 1.686 | 2.613 | 9.1 | 21.1 |
| 12 17 | 6 34.49 | +25 19.3 | 1.648 | 2.617 | 4.8 | 20.9 |
| 12 27 | 6 24.47 | +25 46.9 | 1.639 | 2.621 | 0.9 | 20.6 |
| 1 6 | 6 14.43 | +26 9.3 | 1.658 | 2.626 | 4.7 | 20.9 |
| 1 16 | 6 5.63 | +26 25.5 | 1.705 | 2.631 | 9.0 | 21.2 |
| 1 26 | 5 59.13 | +26 36.2 | 1.777 | 2.636 | 12.8 | 21.4 |
| 2 5 | 5 55.53 | +26 43.0 | 1.870 | 2.641 | 15.9 | 21.6 |

**424475** 2008 $CN_{198}$ 12 27.2 182.°74 1.°1/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.42 | +20 7.9 | 1.809 | 2.659 | 13.1 | 22.1 |
| 12 7 | 6 45.77 | +20 11.5 | 1.738 | 2.660 | 9.3 | 21.8 |
| 12 17 | 6 35.80 | +20 18.1 | 1.693 | 2.660 | 5.0 | 21.6 |
| 12 27 | 6 24.50 | +20 26.3 | 1.677 | 2.660 | 1.1 | 21.3 |
| 1 6 | 6 13.16 | +20 34.8 | 1.691 | 2.659 | 4.7 | 21.6 |
| 1 16 | 6 3.04 | +20 42.9 | 1.734 | 2.657 | 9.1 | 21.8 |
| 1 26 | 5 55.21 | +20 51.2 | 1.802 | 2.654 | 12.9 | 22.1 |
| 2 5 | 5 50.29 | +21 0.0 | 1.892 | 2.651 | 16.2 | 22.3 |

**416089** 2002 $OO_{28}$ 12 27.2 71.°10 7.°1/27.2 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.08 | +45 32.0 | 2.208 | 3.019 | 12.5 | 20.5 |
| 12 7 | 6 47.52 | +46 4.9 | 2.163 | 3.040 | 10.1 | 20.3 |
| 12 17 | 6 36.58 | +46 20.5 | 2.143 | 3.060 | 8.0 | 20.2 |
| 12 27 | 6 24.51 | +46 14.3 | 2.150 | 3.080 | 7.1 | 20.2 |
| 1 6 | 6 12.79 | +45 45.7 | 2.185 | 3.100 | 7.9 | 20.3 |
| 1 16 | 6 2.74 | +44 57.5 | 2.247 | 3.120 | 9.8 | 20.5 |
| 1 26 | 5 55.36 | +43 55.4 | 2.334 | 3.140 | 12.0 | 20.6 |
| 2 5 | 5 51.08 | +42 45.8 | 2.443 | 3.160 | 14.0 | 20.8 |

**306804** 2001 $QT_{62}$ 12 27.2 67.°65 1.°8/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.20 | +18 49.5 | 1.366 | 2.229 | 15.8 | 20.2 |
| 12 7 | 6 45.76 | +18 50.8 | 1.325 | 2.252 | 11.1 | 20.0 |
| 12 17 | 6 35.75 | +18 57.8 | 1.308 | 2.275 | 6.0 | 19.7 |
| 12 27 | 6 24.50 | +19 8.9 | 1.317 | 2.299 | 1.8 | 19.5 |
| 1 6 | 6 13.59 | +19 22.3 | 1.353 | 2.322 | 5.5 | 19.8 |
| 1 16 | 6 4.46 | +19 37.2 | 1.417 | 2.345 | 10.2 | 20.2 |
| 1 26 | 5 58.14 | +19 53.1 | 1.504 | 2.368 | 14.3 | 20.5 |
| 2 5 | 5 55.10 | +20 9.7 | 1.611 | 2.391 | 17.7 | 20.8 |

**403605** 2010 $RL_{40}$ 12 27.2 202.°69 9.°6/27.0 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 3.95 | +53 42.6 | 2.298 | 3.066 | 13.4 | 21.3 |
| 12 7 | 6 53.58 | +54 26.6 | 2.232 | 3.063 | 11.6 | 21.2 |
| 12 17 | 6 39.95 | +54 48.2 | 2.189 | 3.059 | 10.2 | 21.1 |
| 12 27 | 6 24.58 | +54 40.7 | 2.172 | 3.055 | 9.6 | 21.0 |
| 1 6 | 6 9.42 | +54 1.8 | 2.181 | 3.051 | 10.2 | 21.1 |
| 1 16 | 5 56.33 | +52 54.6 | 2.216 | 3.046 | 11.7 | 21.2 |
| 1 26 | 5 46.66 | +51 26.6 | 2.274 | 3.040 | 13.5 | 21.3 |
| 2 5 | 5 40.94 | +49 46.8 | 2.354 | 3.035 | 15.3 | 21.4 |

**230732** 2003 $VJ_2$ 12 27.2 99.°34 1.°3/27.2 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.54 | +20 28.6 | 2.634 | 3.474 | 9.8 | 20.0 |
| 12 7 | 6 42.95 | +19 51.7 | 2.584 | 3.500 | 6.9 | 19.9 |
| 12 17 | 6 34.01 | +19 15.5 | 2.561 | 3.526 | 3.7 | 19.7 |
| 12 27 | 6 24.48 | +18 40.6 | 2.570 | 3.551 | 1.3 | 19.6 |
| 1 6 | 6 15.19 | +18 7.8 | 2.611 | 3.576 | 3.6 | 19.8 |
| 1 16 | 6 6.90 | +17 38.1 | 2.684 | 3.601 | 6.6 | 20.0 |
| 1 26 | 6 0.23 | +17 12.5 | 2.784 | 3.624 | 9.3 | 20.2 |
| 2 5 | 5 55.54 | +16 51.4 | 2.909 | 3.648 | 11.5 | 20.4 |

**432976** 2012 $MM_{15}$ 12 27.2 181.°27 2.°8/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.32 | +15 33.5 | 1.787 | 2.632 | 13.5 | 21.9 |
| 12 7 | 6 44.99 | +15 32.4 | 1.717 | 2.634 | 9.7 | 21.7 |
| 12 17 | 6 35.39 | +15 38.9 | 1.672 | 2.634 | 5.7 | 21.5 |
| 12 27 | 6 24.51 | +15 52.3 | 1.656 | 2.634 | 2.8 | 21.3 |
| 1 6 | 6 13.56 | +16 11.4 | 1.670 | 2.634 | 5.3 | 21.5 |
| 1 16 | 6 3.80 | +16 34.8 | 1.711 | 2.633 | 9.3 | 21.7 |
| 1 26 | 5 56.24 | +17 1.4 | 1.779 | 2.631 | 13.1 | 21.9 |
| 2 5 | 5 51.51 | +17 30.0 | 1.868 | 2.628 | 16.3 | 22.1 |

**318909** 2005 $UC_{32}$ 12 27.2 306.°16 0.°9/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.99 | +24 34.8 | 1.387 | 2.257 | 15.1 | 20.7 |
| 12 7 | 6 44.85 | +24 52.6 | 1.311 | 2.242 | 10.8 | 20.4 |
| 12 17 | 6 35.65 | +25 11.0 | 1.258 | 2.228 | 5.7 | 20.1 |
| 12 27 | 6 24.51 | +25 26.3 | 1.230 | 2.213 | 0.9 | 19.7 |
| 1 6 | 6 13.07 | +25 35.8 | 1.230 | 2.199 | 5.7 | 20.0 |
| 1 16 | 6 3.04 | +25 39.0 | 1.255 | 2.186 | 11.0 | 20.3 |
| 1 26 | 5 55.89 | +25 37.4 | 1.303 | 2.173 | 15.8 | 20.5 |
| 2 5 | 5 52.41 | +25 33.4 | 1.371 | 2.160 | 19.8 | 20.7 |

**305220** 2007 $WG_{62}$ 12 27.2 40.°72 8.°8/24.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.51 | +41 41.6 | 1.729 | 2.562 | 14.4 | 20.2 |
| 12 7 | 6 49.64 | +43 43.5 | 1.672 | 2.564 | 11.6 | 20.1 |
| 12 17 | 6 38.26 | +45 31.8 | 1.641 | 2.565 | 9.4 | 19.9 |
| 12 27 | 6 24.56 | +46 55.7 | 1.636 | 2.567 | 8.8 | 19.9 |
| 1 6 | 6 10.41 | +47 48.6 | 1.658 | 2.570 | 10.3 | 20.0 |
| 1 16 | 5 57.83 | +48 10.0 | 1.706 | 2.572 | 12.8 | 20.2 |
| 1 26 | 5 48.50 | +48 5.3 | 1.776 | 2.574 | 15.5 | 20.4 |
| 2 5 | 5 43.31 | +47 42.6 | 1.865 | 2.577 | 17.9 | 20.5 |

**158591** 2002 $NV_2$ 12 27.2 183.°04 6.°6/28.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 45.11 | − 3 0.1 | 3.039 | 3.805 | 10.5 | 20.8 |
| 12 7 | 6 39.25 | − 3 17.0 | 2.966 | 3.805 | 8.8 | 20.7 |
| 12 17 | 6 32.18 | − 3 19.2 | 2.919 | 3.805 | 7.3 | 20.6 |
| 12 27 | 6 24.46 | − 3 5.3 | 2.899 | 3.805 | 6.6 | 20.5 |
| 1 6 | 6 16.71 | − 2 35.5 | 2.908 | 3.804 | 7.0 | 20.5 |
| 1 16 | 6 9.55 | − 1 51.1 | 2.945 | 3.802 | 8.3 | 20.6 |
| 1 26 | 6 3.55 | − 0 54.9 | 3.008 | 3.800 | 9.9 | 20.7 |
| 2 5 | 5 59.13 | + 0 9.7 | 3.095 | 3.797 | 11.6 | 20.9 |

**115876** 2003 $UK_{282}$ 12 27.2 49.°78 1.°0/27.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.41 | +19 10.9 | 1.989 | 2.844 | 11.9 | 19.6 |
| 12 7 | 6 41.34 | +19 31.0 | 1.932 | 2.856 | 8.4 | 19.4 |
| 12 17 | 6 33.41 | +19 55.5 | 1.901 | 2.868 | 4.4 | 19.2 |
| 12 27 | 6 24.48 | +20 22.6 | 1.898 | 2.880 | 1.0 | 18.9 |
| 1 6 | 6 15.60 | +20 50.3 | 1.924 | 2.893 | 4.1 | 19.2 |
| 1 16 | 6 7.78 | +21 17.4 | 1.980 | 2.906 | 7.9 | 19.5 |
| 1 26 | 6 1.88 | +21 43.0 | 2.061 | 2.919 | 11.3 | 19.7 |
| 2 5 | 5 58.39 | +22 7.0 | 2.165 | 2.932 | 14.1 | 19.9 |

**56137** 1999 $CW_{55}$ 12 27.2 299.°50 5.°1/26.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.85 | +32 34.9 | 1.516 | 2.375 | 14.7 | 17.5 |
| 12 7 | 6 46.85 | +33 44.7 | 1.450 | 2.370 | 10.8 | 17.3 |
| 12 17 | 6 36.68 | +34 48.4 | 1.407 | 2.366 | 7.0 | 17.0 |
| 12 27 | 6 24.54 | +35 38.0 | 1.391 | 2.362 | 5.1 | 16.9 |
| 1 6 | 6 12.14 | +36 8.4 | 1.403 | 2.357 | 7.5 | 17.0 |
| 1 16 | 6 1.28 | +36 18.8 | 1.441 | 2.353 | 11.5 | 17.3 |
| 1 26 | 5 53.45 | +36 12.6 | 1.502 | 2.349 | 15.3 | 17.5 |
| 2 5 | 5 49.41 | +35 55.6 | 1.582 | 2.345 | 18.6 | 17.7 |

**159031** 2004 $TW_{66}$ 12 27.2 149.°27 2.°2/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.02 | +28 18.4 | 2.110 | 2.956 | 11.7 | 20.8 |
| 12 7 | 6 46.00 | +28 55.5 | 2.048 | 2.967 | 8.3 | 20.6 |
| 12 17 | 6 35.85 | +29 29.1 | 2.013 | 2.977 | 4.6 | 20.4 |
| 12 27 | 6 24.53 | +29 55.4 | 2.008 | 2.987 | 2.2 | 20.2 |
| 1 6 | 6 13.22 | +30 12.2 | 2.033 | 2.995 | 4.7 | 20.4 |
| 1 16 | 6 3.11 | +30 19.3 | 2.088 | 3.003 | 8.2 | 20.7 |
| 1 26 | 5 55.17 | +30 18.4 | 2.170 | 3.011 | 11.5 | 20.9 |
| 2 5 | 5 49.94 | +30 12.5 | 2.274 | 3.017 | 14.2 | 21.1 |

**90147** 2002 $YK_{14}$ 12 27.2 35.°37 11.°6/ 2.7 14 C

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 15 16.06 | +70 15.6 | 0.302 | 1.042 | 71.2 | 18.3 |
| 12 7 | 13 8.80 | +77 12.4 | 0.245 | 1.076 | 62.1 | 17.6 |
| 12 17 | 8 12.40 | +72 4.5 | 0.200 | 1.116 | 45.0 | 16.8 |
| 12 27 | 6 25.22 | +47 57.1 | 0.191 | 1.160 | 20.7 | 16.0 |
| 1 6 | 5 54.97 | +24 13.1 | 0.231 | 1.206 | 13.6 | 16.3 |
| 1 16 | 5 45.28 | + 9 39.3 | 0.308 | 1.255 | 24.8 | 17.4 |
| 1 26 | 5 44.66 | + 1 54.3 | 0.406 | 1.305 | 32.0 | 18.3 |
| 2 5 | 5 49.21 | − 2 9.9 | 0.514 | 1.354 | 36.0 | 19.0 |

**31903** Euniceyou 12 27.2 182.°65 1.°7/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.00 | +27 55.0 | 2.353 | 3.199 | 10.6 | 20.5 |
| 12 7 | 6 43.79 | +28 15.3 | 2.280 | 3.200 | 7.5 | 20.3 |
| 12 17 | 6 34.69 | +28 32.5 | 2.235 | 3.200 | 4.1 | 20.0 |
| 12 27 | 6 24.54 | +28 44.0 | 2.219 | 3.200 | 1.7 | 19.9 |
| 1 6 | 6 14.34 | +28 48.4 | 2.235 | 3.199 | 4.1 | 20.0 |
| 1 16 | 6 5.13 | +28 45.8 | 2.280 | 3.197 | 7.5 | 20.3 |
| 1 26 | 5 57.77 | +28 37.6 | 2.352 | 3.195 | 10.6 | 20.5 |
| 2 5 | 5 52.81 | +28 26.0 | 2.447 | 3.193 | 13.2 | 20.6 |

**224025** 2005 $LY_{15}$ 12 27.2 191.°82 1.°3/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.16 | +19 44.7 | 1.889 | 2.737 | 12.7 | 21.4 |
| 12 7 | 6 45.55 | +19 41.2 | 1.815 | 2.735 | 9.0 | 21.2 |
| 12 17 | 6 35.70 | +19 40.7 | 1.767 | 2.733 | 4.9 | 20.9 |
| 12 27 | 6 24.56 | +19 42.1 | 1.748 | 2.730 | 1.3 | 20.7 |
| 1 6 | 6 13.37 | +19 44.5 | 1.760 | 2.727 | 4.6 | 20.9 |
| 1 16 | 6 3.33 | +19 47.6 | 1.800 | 2.722 | 8.9 | 21.2 |
| 1 26 | 5 55.48 | +19 52.0 | 1.867 | 2.717 | 12.6 | 21.4 |
| 2 5 | 5 50.41 | +19 57.8 | 1.955 | 2.711 | 15.8 | 21.6 |

**164833** 1999 $TR_{62}$ 12 27.2 140.°77 4.°0/26.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.98 | +33 1.0 | 1.919 | 2.766 | 12.6 | 20.8 |
| 12 7 | 6 46.28 | +33 46.5 | 1.858 | 2.774 | 9.2 | 20.6 |
| 12 17 | 6 36.11 | +34 24.5 | 1.823 | 2.780 | 5.8 | 20.4 |
| 12 27 | 6 24.57 | +34 50.1 | 1.816 | 2.787 | 4.0 | 20.3 |
| 1 6 | 6 13.04 | +35 0.5 | 1.839 | 2.793 | 6.0 | 20.4 |
| 1 16 | 6 2.86 | +34 56.3 | 1.889 | 2.799 | 9.3 | 20.6 |
| 1 26 | 5 55.15 | +34 40.5 | 1.965 | 2.804 | 12.6 | 20.9 |
| 2 5 | 5 50.50 | +34 17.7 | 2.062 | 2.809 | 15.4 | 21.1 |

**145317** 2005 $LA_{6}$ 12 27.2 157.°37 2.°0/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.45 | +15 55.4 | 2.156 | 2.999 | 11.6 | 20.9 |
| 12 7 | 6 42.72 | +16 16.5 | 2.088 | 3.004 | 8.3 | 20.7 |
| 12 17 | 6 34.14 | +16 44.5 | 2.046 | 3.009 | 4.7 | 20.5 |
| 12 27 | 6 24.54 | +17 17.8 | 2.034 | 3.013 | 2.0 | 20.3 |
| 1 6 | 6 14.89 | +17 54.4 | 2.052 | 3.017 | 4.3 | 20.4 |
| 1 16 | 6 6.18 | +18 32.6 | 2.100 | 3.021 | 7.8 | 20.7 |
| 1 26 | 5 59.27 | +19 10.9 | 2.174 | 3.024 | 11.1 | 20.9 |
| 2 5 | 5 54.69 | +19 48.3 | 2.272 | 3.027 | 13.9 | 21.1 |

**273169** 2006 $HS_{67}$ 12 27.2 321.°34 0.°1/27.2 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.32 | +23 21.2 | 1.997 | 2.855 | 11.7 | 21.0 |
| 12 7 | 6 41.48 | +23 28.0 | 1.920 | 2.846 | 8.2 | 20.8 |
| 12 17 | 6 33.60 | +23 35.3 | 1.868 | 2.837 | 4.3 | 20.5 |
| 12 27 | 6 24.53 | +23 41.6 | 1.845 | 2.829 | 0.2 | 20.1 |
| 1 6 | 6 15.36 | +23 45.5 | 1.851 | 2.820 | 4.2 | 20.5 |
| 1 16 | 6 7.18 | +23 46.9 | 1.886 | 2.812 | 8.2 | 20.7 |
| 1 26 | 6 0.94 | +23 46.5 | 1.946 | 2.805 | 11.8 | 20.9 |
| 2 5 | 5 57.24 | +23 45.1 | 2.028 | 2.797 | 14.9 | 21.1 |

**455512** 2003 $WY_{83}$ 12 27.2 97.°91 4.°5/26.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.90 | +36 20.3 | 2.279 | 3.119 | 11.2 | 20.7 |
| 12 7 | 6 43.91 | +37 2.0 | 2.217 | 3.124 | 8.4 | 20.5 |
| 12 17 | 6 34.81 | +37 34.8 | 2.181 | 3.130 | 5.7 | 20.3 |
| 12 27 | 6 24.56 | +37 54.4 | 2.173 | 3.135 | 4.5 | 20.3 |
| 1 6 | 6 14.31 | +37 59.0 | 2.195 | 3.140 | 5.9 | 20.4 |
| 1 16 | 6 5.19 | +37 49.1 | 2.245 | 3.145 | 8.5 | 20.5 |
| 1 26 | 5 58.18 | +37 27.7 | 2.320 | 3.150 | 11.2 | 20.7 |
| 2 5 | 5 53.81 | +36 58.7 | 2.418 | 3.155 | 13.6 | 20.9 |

**233880** Urbanpriol 12 27.2 74.°22 2.°3/27.0 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.59 | +30 9.1 | 2.236 | 3.086 | 11.0 | 21.2 |
| 12 7 | 6 42.76 | +30 24.1 | 2.182 | 3.102 | 7.8 | 21.0 |
| 12 17 | 6 34.11 | +30 34.0 | 2.155 | 3.118 | 4.4 | 20.8 |
| 12 27 | 6 24.55 | +30 36.4 | 2.156 | 3.134 | 2.3 | 20.7 |
| 1 6 | 6 15.13 | +30 30.2 | 2.187 | 3.150 | 4.4 | 20.9 |
| 1 16 | 6 6.84 | +30 16.4 | 2.248 | 3.166 | 7.6 | 21.1 |
| 1 26 | 6 0.51 | +29 57.0 | 2.335 | 3.182 | 10.6 | 21.3 |
| 2 5 | 5 56.59 | +29 34.5 | 2.445 | 3.198 | 13.1 | 21.5 |

**309960** 2009 $HK_{23}$ 12 27.2 336.°27 2.°5/26.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.23 | +28 53.1 | 1.728 | 2.587 | 13.2 | 20.9 |
| 12 7 | 6 44.50 | +29 17.8 | 1.661 | 2.585 | 9.4 | 20.7 |
| 12 17 | 6 35.25 | +29 38.2 | 1.618 | 2.584 | 5.3 | 20.4 |
| 12 27 | 6 24.57 | +29 50.7 | 1.603 | 2.583 | 2.5 | 20.3 |
| 1 6 | 6 13.85 | +29 52.9 | 1.617 | 2.581 | 5.3 | 20.4 |
| 1 16 | 6 4.46 | +29 45.3 | 1.658 | 2.580 | 9.5 | 20.7 |
| 1 26 | 5 57.54 | +29 30.5 | 1.724 | 2.579 | 13.3 | 20.9 |
| 2 5 | 5 53.72 | +29 11.6 | 1.810 | 2.579 | 16.4 | 21.1 |

**396575** 2000 $JO_{7}$ 12 27.2 111.°32 5.°8/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.28 | + 5 6.7 | 2.171 | 2.986 | 12.6 | 21.4 |
| 12 7 | 6 41.71 | + 4 50.3 | 2.117 | 3.002 | 9.8 | 21.3 |
| 12 17 | 6 33.54 | + 4 48.0 | 2.087 | 3.019 | 7.2 | 21.1 |
| 12 27 | 6 24.55 | + 5 0.9 | 2.085 | 3.035 | 5.8 | 21.1 |
| 1 6 | 6 15.64 | + 5 28.2 | 2.113 | 3.050 | 6.7 | 21.1 |
| 1 16 | 6 7.71 | + 6 7.9 | 2.169 | 3.066 | 9.0 | 21.3 |
| 1 26 | 6 1.48 | + 6 56.8 | 2.250 | 3.080 | 11.5 | 21.5 |
| 2 5 | 5 57.40 | + 7 51.5 | 2.354 | 3.095 | 13.9 | 21.7 |

**71280** 2000 $AZ_{46}$ 12 27.2 301.°73 3.°4/27.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.45 | +33 34.0 | 2.188 | 3.034 | 11.3 | 18.8 |
| 12 7 | 6 43.58 | +33 47.1 | 2.117 | 3.032 | 8.3 | 18.6 |
| 12 17 | 6 34.64 | +33 52.3 | 2.072 | 3.030 | 5.2 | 18.4 |
| 12 27 | 6 24.58 | +33 46.6 | 2.056 | 3.029 | 3.4 | 18.3 |
| 1 6 | 6 14.54 | +33 29.0 | 2.070 | 3.027 | 5.1 | 18.4 |
| 1 16 | 6 5.64 | +33 0.7 | 2.112 | 3.025 | 8.3 | 18.6 |
| 1 26 | 5 58.83 | +32 24.8 | 2.180 | 3.024 | 11.3 | 18.8 |
| 2 5 | 5 54.64 | +31 45.0 | 2.271 | 3.022 | 14.0 | 19.0 |

**300352** 2007 $RH_{55}$ 12 27.2 19.°72 1.°3/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.71 | +26 37.8 | 1.378 | 2.249 | 15.2 | 20.6 |
| 12 7 | 6 44.37 | +26 37.0 | 1.322 | 2.253 | 10.7 | 20.3 |
| 12 17 | 6 35.23 | +26 32.6 | 1.289 | 2.259 | 5.7 | 20.1 |
| 12 27 | 6 24.59 | +26 22.2 | 1.282 | 2.264 | 1.3 | 19.8 |
| 1 6 | 6 14.08 | +26 5.1 | 1.302 | 2.271 | 5.5 | 20.1 |
| 1 16 | 6 5.24 | +25 42.8 | 1.347 | 2.278 | 10.4 | 20.4 |
| 1 26 | 5 59.28 | +25 18.2 | 1.416 | 2.286 | 14.7 | 20.7 |
| 2 5 | 5 56.75 | +24 54.0 | 1.505 | 2.295 | 18.3 | 20.9 |

**71157** 1999 $XD_{194}$ 12 27.2 26.°11 4.°2/26.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.34 | +32 37.7 | 1.901 | 2.754 | 12.4 | 18.5 |
| 12 7 | 6 43.81 | +33 36.3 | 1.840 | 2.759 | 9.1 | 18.3 |
| 12 17 | 6 34.89 | +34 28.8 | 1.805 | 2.763 | 5.8 | 18.2 |
| 12 27 | 6 24.59 | +35 9.8 | 1.798 | 2.768 | 4.2 | 18.1 |
| 1 6 | 6 14.21 | +35 35.8 | 1.819 | 2.773 | 6.1 | 18.2 |
| 1 16 | 6 5.07 | +35 46.6 | 1.868 | 2.778 | 9.4 | 18.4 |
| 1 26 | 5 58.27 | +35 44.6 | 1.942 | 2.784 | 12.6 | 18.6 |
| 2 5 | 5 54.44 | +35 33.6 | 2.036 | 2.790 | 15.3 | 18.8 |

**385979** 2006 $YO_{41}$ 12 27.2 52.°11 0.°0/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.34 | +25 2.9 | 1.240 | 2.111 | 16.5 | 19.7 |
| 12 7 | 6 46.91 | +24 31.7 | 1.192 | 2.123 | 11.6 | 19.4 |
| 12 17 | 6 36.50 | +23 57.3 | 1.166 | 2.136 | 6.0 | 19.2 |
| 12 27 | 6 24.62 | +23 19.1 | 1.166 | 2.149 | 0.1 | 18.7 |
| 1 6 | 6 13.11 | +22 38.7 | 1.192 | 2.163 | 5.7 | 19.2 |
| 1 16 | 6 3.61 | +21 58.8 | 1.245 | 2.177 | 11.0 | 19.6 |
| 1 26 | 5 57.30 | +21 23.0 | 1.320 | 2.191 | 15.6 | 19.9 |
| 2 5 | 5 54.64 | +20 53.1 | 1.415 | 2.205 | 19.2 | 20.1 |

**27246** 1999 $VU_{194}$ 12 27.2 325.°76 3.°7/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.87 | +15 42.1 | 1.262 | 2.129 | 16.5 | 18.9 |
| 12 7 | 6 44.03 | +15 25.4 | 1.194 | 2.121 | 12.0 | 18.6 |
| 12 17 | 6 35.21 | +15 18.5 | 1.149 | 2.114 | 7.1 | 18.4 |
| 12 27 | 6 24.60 | +15 22.0 | 1.128 | 2.106 | 3.7 | 18.1 |
| 1 6 | 6 13.82 | +15 35.0 | 1.133 | 2.100 | 6.7 | 18.3 |
| 1 16 | 6 4.52 | +15 56.3 | 1.163 | 2.093 | 11.8 | 18.5 |
| 1 26 | 5 58.08 | +16 24.1 | 1.216 | 2.088 | 16.5 | 18.8 |
| 2 5 | 5 55.23 | +16 56.0 | 1.286 | 2.083 | 20.5 | 19.1 |

**520548** 2014 $MP_{76}$ 12 27.2 101.°77 2.°2/27.0 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.02 | +29 6.7 | 1.963 | 2.816 | 12.1 | 21.8 |
| 12 7 | 6 44.04 | +29 21.7 | 1.900 | 2.822 | 8.6 | 21.6 |
| 12 17 | 6 34.90 | +29 32.1 | 1.863 | 2.828 | 4.8 | 21.4 |
| 12 27 | 6 24.60 | +29 34.9 | 1.854 | 2.833 | 2.2 | 21.3 |
| 1 6 | 6 14.35 | +29 29.0 | 1.874 | 2.839 | 4.8 | 21.4 |
| 1 16 | 6 5.35 | +29 14.9 | 1.923 | 2.844 | 8.5 | 21.7 |
| 1 26 | 5 58.56 | +28 55.2 | 1.998 | 2.849 | 11.9 | 21.9 |
| 2 5 | 5 54.51 | +28 32.7 | 2.095 | 2.855 | 14.8 | 22.1 |

**179685** 2002 $QH_{98}$ 12 27.2 191.°37 2.°1/27.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.87 | +27 38.7 | 1.639 | 2.496 | 13.9 | 21.4 |
| 12 7 | 6 47.16 | +28 2.4 | 1.571 | 2.495 | 9.9 | 21.1 |
| 12 17 | 6 36.69 | +28 22.7 | 1.527 | 2.494 | 5.4 | 20.8 |
| 12 27 | 6 24.64 | +28 35.4 | 1.511 | 2.492 | 2.1 | 20.6 |
| 1 6 | 6 12.51 | +28 38.2 | 1.524 | 2.490 | 5.4 | 20.8 |
| 1 16 | 6 1.85 | +28 31.5 | 1.565 | 2.487 | 9.9 | 21.1 |
| 1 26 | 5 53.88 | +28 17.9 | 1.630 | 2.484 | 14.0 | 21.3 |
| 2 5 | 5 49.27 | +28 1.0 | 1.716 | 2.480 | 17.4 | 21.6 |

**456129** 2006 $DO_{99}$ 12 27.2 299.°35 3.°2/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 46.50 | +13 59.5 | 2.050 | 2.896 | 12.0 | 21.3 |
| 12 7 | 6 40.82 | +13 51.0 | 1.970 | 2.885 | 8.8 | 21.1 |
| 12 17 | 6 33.25 | +13 50.2 | 1.915 | 2.874 | 5.4 | 20.8 |
| 12 27 | 6 24.57 | +13 57.6 | 1.888 | 2.863 | 3.2 | 20.7 |
| 1 6 | 6 15.76 | +14 12.6 | 1.890 | 2.852 | 5.1 | 20.8 |
| 1 16 | 6 7.80 | +14 34.1 | 1.921 | 2.841 | 8.5 | 21.0 |
| 1 26 | 6 1.61 | +15 0.7 | 1.977 | 2.831 | 11.9 | 21.2 |
| 2 5 | 5 57.75 | +15 30.9 | 2.056 | 2.820 | 14.9 | 21.3 |

**224827** 2006 $WA_{21}$ 12 27.2 196.°90 1.°1/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.95 | +19 37.3 | 1.743 | 2.595 | 13.4 | 21.2 |
| 12 7 | 6 45.61 | +19 51.7 | 1.671 | 2.593 | 9.5 | 20.9 |
| 12 17 | 6 35.83 | +20 10.6 | 1.623 | 2.590 | 5.1 | 20.6 |
| 12 27 | 6 24.62 | +20 32.0 | 1.604 | 2.587 | 1.1 | 20.4 |
| 1 6 | 6 13.29 | +20 53.7 | 1.615 | 2.583 | 4.8 | 20.6 |
| 1 16 | 6 3.17 | +21 14.6 | 1.654 | 2.578 | 9.3 | 20.9 |
| 1 26 | 5 55.37 | +21 34.3 | 1.718 | 2.573 | 13.3 | 21.1 |
| 2 5 | 5 50.56 | +21 53.2 | 1.804 | 2.568 | 16.7 | 21.3 |

**59416** 1999 $GM$ 12 27.2 321.°60 1.°7/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.33 | +26 23.0 | 1.296 | 2.170 | 15.7 | 18.9 |
| 12 7 | 6 44.60 | +26 36.7 | 1.221 | 2.154 | 11.2 | 18.6 |
| 12 17 | 6 35.64 | +26 48.3 | 1.168 | 2.138 | 6.1 | 18.3 |
| 12 27 | 6 24.63 | +26 54.1 | 1.140 | 2.122 | 1.7 | 17.9 |
| 1 6 | 6 13.31 | +26 51.6 | 1.138 | 2.108 | 6.1 | 18.2 |
| 1 16 | 6 3.51 | +26 41.0 | 1.161 | 2.094 | 11.5 | 18.4 |
| 1 26 | 5 56.77 | +26 25.0 | 1.207 | 2.081 | 16.5 | 18.7 |
| 2 5 | 5 53.91 | +26 6.9 | 1.271 | 2.068 | 20.6 | 18.9 |

**51807** 2001 $NX_{19}$ 12 27.2 41.°25 0.°8/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.53 | +27 20.6 | 1.826 | 2.681 | 12.8 | 18.6 |
| 12 7 | 6 45.13 | +26 51.2 | 1.757 | 2.681 | 9.0 | 18.4 |
| 12 17 | 6 35.48 | +26 16.2 | 1.714 | 2.682 | 4.8 | 18.1 |
| 12 27 | 6 24.64 | +25 35.0 | 1.699 | 2.682 | 0.8 | 17.8 |
| 1 6 | 6 13.92 | +24 48.5 | 1.714 | 2.682 | 4.6 | 18.1 |
| 1 16 | 6 4.56 | +23 59.5 | 1.758 | 2.683 | 8.8 | 18.4 |
| 1 26 | 5 57.56 | +23 11.2 | 1.827 | 2.683 | 12.6 | 18.6 |
| 2 5 | 5 53.45 | +22 26.6 | 1.919 | 2.684 | 15.7 | 18.8 |

**278968** 2008 $UR_{115}$ 12 27.2 261.°54 0.°3/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.66 | +24 35.0 | 2.398 | 3.249 | 10.3 | 21.0 |
| 12 7 | 6 41.44 | +24 29.5 | 2.320 | 3.243 | 7.2 | 20.8 |
| 12 17 | 6 33.50 | +24 22.7 | 2.268 | 3.236 | 3.8 | 20.6 |
| 12 27 | 6 24.60 | +24 13.5 | 2.246 | 3.229 | 0.3 | 20.3 |
| 1 6 | 6 15.66 | +24 1.7 | 2.254 | 3.222 | 3.6 | 20.6 |
| 1 16 | 6 7.60 | +23 47.6 | 2.292 | 3.215 | 7.2 | 20.8 |
| 1 26 | 6 1.21 | +23 32.4 | 2.357 | 3.208 | 10.3 | 21.0 |
| 2 5 | 5 56.99 | +23 17.3 | 2.445 | 3.201 | 13.0 | 21.1 |

**39248** 2000 $YM_{87}$ 12 27.2 28.°71 0.°8/27.1 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.92 | +24 57.8 | 1.955 | 2.812 | 12.0 | 19.3 |
| 12 7 | 6 42.59 | +25 13.0 | 1.888 | 2.814 | 8.4 | 19.1 |
| 12 17 | 6 34.18 | +25 27.5 | 1.847 | 2.816 | 4.4 | 18.9 |
| 12 27 | 6 24.62 | +25 39.0 | 1.835 | 2.818 | 0.8 | 18.6 |
| 1 6 | 6 15.05 | +25 45.9 | 1.852 | 2.820 | 4.3 | 18.9 |
| 1 16 | 6 6.59 | +25 48.1 | 1.897 | 2.822 | 8.3 | 19.1 |
| 1 26 | 6 0.19 | +25 46.6 | 1.968 | 2.825 | 11.8 | 19.3 |
| 2 5 | 5 56.42 | +25 43.0 | 2.061 | 2.827 | 14.8 | 19.6 |

**441262** 2007 $VL_{311}$ 12 27.2 18.°09 8.°0/26.8 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.33 | +11 26.2 | 1.088 | 1.959 | 18.2 | 19.5 |
| 12 7 | 6 42.03 | + 9 39.5 | 1.048 | 1.970 | 13.9 | 19.3 |
| 12 17 | 6 34.00 | + 8 7.7 | 1.030 | 1.983 | 9.8 | 19.1 |
| 12 27 | 6 24.62 | + 6 57.7 | 1.035 | 1.998 | 8.0 | 19.0 |
| 1 6 | 6 15.56 | + 6 13.7 | 1.064 | 2.014 | 9.9 | 19.2 |
| 1 16 | 6 8.32 | + 5 56.0 | 1.116 | 2.032 | 13.6 | 19.5 |
| 1 26 | 6 3.97 | + 6 1.0 | 1.188 | 2.052 | 17.4 | 19.7 |
| 2 5 | 6 2.98 | + 6 22.8 | 1.277 | 2.073 | 20.6 | 20.0 |

**300708** 2007 $VX_{102}$ 12 27.2 157.°27 0.°9/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.13 | +20 1.0 | 2.273 | 3.117 | 11.0 | 22.3 |
| 12 7 | 6 43.81 | +20 6.9 | 2.207 | 3.125 | 7.8 | 22.1 |
| 12 17 | 6 34.71 | +20 15.2 | 2.167 | 3.133 | 4.1 | 21.9 |
| 12 27 | 6 24.65 | +20 24.8 | 2.158 | 3.141 | 0.9 | 21.7 |
| 1 6 | 6 14.62 | +20 34.5 | 2.180 | 3.147 | 3.9 | 21.9 |
| 1 16 | 6 5.57 | +20 43.8 | 2.232 | 3.153 | 7.5 | 22.2 |
| 1 26 | 5 58.34 | +20 53.0 | 2.311 | 3.158 | 10.7 | 22.4 |
| 2 5 | 5 53.41 | +21 2.3 | 2.413 | 3.162 | 13.3 | 22.6 |

**101451** 1998 $VW_{56}$ 12 27.2 72.°25 1.°6/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.84 | +27 31.8 | 1.375 | 2.238 | 15.7 | 18.7 |
| 12 7 | 6 47.75 | +27 27.9 | 1.331 | 2.258 | 11.0 | 18.5 |
| 12 17 | 6 36.88 | +27 18.9 | 1.311 | 2.279 | 5.8 | 18.2 |
| 12 27 | 6 24.69 | +27 2.0 | 1.317 | 2.299 | 1.6 | 18.0 |
| 1 6 | 6 12.92 | +26 37.3 | 1.351 | 2.320 | 5.5 | 18.3 |
| 1 16 | 6 3.13 | +26 7.3 | 1.412 | 2.340 | 10.3 | 18.7 |
| 1 26 | 5 56.42 | +25 35.5 | 1.497 | 2.360 | 14.5 | 19.0 |
| 2 5 | 5 53.22 | +25 5.3 | 1.602 | 2.380 | 17.8 | 19.2 |

**283187** 2010 $BB_{13}$ 12 27.2 55.°85 0.°2/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 46.60 | +21 4.7 | 2.343 | 3.194 | 10.5 | 20.2 |
| 12 7 | 6 40.66 | +21 35.2 | 2.283 | 3.206 | 7.3 | 20.1 |
| 12 17 | 6 33.08 | +22 8.2 | 2.250 | 3.217 | 3.8 | 19.9 |
| 12 27 | 6 24.62 | +22 41.8 | 2.246 | 3.229 | 0.2 | 19.6 |
| 1 6 | 6 16.17 | +23 13.8 | 2.273 | 3.241 | 3.6 | 19.9 |
| 1 16 | 6 8.61 | +23 43.0 | 2.329 | 3.253 | 7.0 | 20.1 |
| 1 26 | 6 2.69 | +24 9.0 | 2.412 | 3.265 | 10.0 | 20.3 |
| 2 5 | 5 58.89 | +24 32.0 | 2.519 | 3.278 | 12.6 | 20.5 |

**72132** 2000 $YY_{75}$ 12 27.2 98.°83 0.°6/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.77 | +24 58.8 | 1.443 | 2.303 | 15.3 | 19.6 |
| 12 7 | 6 48.32 | +24 59.5 | 1.397 | 2.323 | 10.7 | 19.3 |
| 12 17 | 6 37.17 | +24 58.1 | 1.374 | 2.343 | 5.6 | 19.1 |
| 12 27 | 6 24.70 | +24 52.0 | 1.379 | 2.363 | 0.7 | 18.8 |
| 1 6 | 6 12.59 | +24 40.6 | 1.413 | 2.382 | 5.2 | 19.2 |
| 1 16 | 6 2.35 | +24 25.0 | 1.474 | 2.400 | 10.1 | 19.5 |
| 1 26 | 5 55.07 | +24 8.1 | 1.559 | 2.418 | 14.2 | 19.8 |
| 2 5 | 5 51.23 | +23 52.1 | 1.664 | 2.436 | 17.5 | 20.1 |

**312392** 2008 $EF_{158}$ 12 27.2 201.°49 5.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.27 | + 7 4.7 | 2.457 | 3.274 | 11.2 | 21.6 |
| 12 7 | 6 41.04 | + 6 37.5 | 2.381 | 3.271 | 8.7 | 21.4 |
| 12 17 | 6 33.27 | + 6 20.9 | 2.330 | 3.266 | 6.3 | 21.3 |
| 12 27 | 6 24.63 | + 6 16.3 | 2.309 | 3.262 | 5.1 | 21.2 |
| 1 6 | 6 15.93 | + 6 24.1 | 2.317 | 3.257 | 6.0 | 21.3 |
| 1 16 | 6 7.98 | + 6 43.4 | 2.354 | 3.251 | 8.4 | 21.4 |
| 1 26 | 6 1.51 | + 7 12.4 | 2.417 | 3.245 | 10.9 | 21.6 |
| 2 5 | 5 57.00 | + 7 48.5 | 2.503 | 3.238 | 13.2 | 21.7 |

**179798** 2002 $TQ_{35}$ 12 27.2 134.°98 2.°5/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.45 | +16 21.9 | 1.826 | 2.670 | 13.3 | 20.7 |
| 12 7 | 6 45.64 | +16 18.4 | 1.769 | 2.685 | 9.5 | 20.5 |
| 12 17 | 6 35.71 | +16 21.3 | 1.737 | 2.699 | 5.4 | 20.3 |
| 12 27 | 6 24.68 | +16 29.7 | 1.734 | 2.713 | 2.5 | 20.1 |
| 1 6 | 6 13.77 | +16 42.6 | 1.761 | 2.726 | 5.0 | 20.3 |
| 1 16 | 6 4.15 | +16 59.1 | 1.817 | 2.737 | 8.9 | 20.6 |
| 1 26 | 5 56.75 | +17 18.3 | 1.899 | 2.749 | 12.5 | 20.8 |
| 2 5 | 5 52.10 | +17 39.4 | 2.003 | 2.759 | 15.5 | 21.1 |

**362678** 2011 $UH_{82}$ 12 27.2 5.°54 8.°3/25.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.51 | +39 3.1 | 1.380 | 2.237 | 16.0 | 20.0 |
| 12 7 | 6 46.31 | +40 29.4 | 1.326 | 2.237 | 12.5 | 19.8 |
| 12 17 | 6 36.57 | +41 41.6 | 1.294 | 2.238 | 9.4 | 19.6 |
| 12 27 | 6 24.70 | +42 30.0 | 1.287 | 2.239 | 8.3 | 19.6 |
| 1 6 | 6 12.70 | +42 49.3 | 1.305 | 2.242 | 10.0 | 19.7 |
| 1 16 | 6 2.59 | +42 40.3 | 1.347 | 2.246 | 13.2 | 19.9 |
| 1 26 | 5 55.96 | +42 9.3 | 1.410 | 2.251 | 16.5 | 20.1 |
| 2 5 | 5 53.52 | +41 24.4 | 1.492 | 2.257 | 19.5 | 20.3 |

**12664** Sonisenia 12 27.2 77.°30 1.°7/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.26 | +18 50.8 | 1.650 | 2.506 | 13.8 | 18.2 |
| 12 7 | 6 44.25 | +18 47.0 | 1.599 | 2.523 | 9.8 | 18.0 |
| 12 17 | 6 35.03 | +18 47.8 | 1.574 | 2.540 | 5.3 | 17.7 |
| 12 27 | 6 24.69 | +18 52.2 | 1.576 | 2.557 | 1.7 | 17.5 |
| 1 6 | 6 14.54 | +18 59.3 | 1.606 | 2.574 | 4.9 | 17.8 |
| 1 16 | 6 5.79 | +19 8.3 | 1.665 | 2.591 | 9.1 | 18.1 |
| 1 26 | 5 59.41 | +19 19.1 | 1.748 | 2.608 | 12.9 | 18.4 |
| 2 5 | 5 55.88 | +19 31.5 | 1.853 | 2.624 | 16.0 | 18.6 |

**378068** 2006 $UP_{13}$ 12 27.2 77.°45 0.°7/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.98 | +23 43.3 | 1.332 | 2.197 | 15.9 | 21.0 |
| 12 7 | 6 47.29 | +24 6.3 | 1.287 | 2.216 | 11.1 | 20.8 |
| 12 17 | 6 36.74 | +24 29.7 | 1.266 | 2.235 | 5.8 | 20.5 |
| 12 27 | 6 24.73 | +24 49.6 | 1.271 | 2.254 | 0.7 | 20.2 |
| 1 6 | 6 13.00 | +25 3.5 | 1.304 | 2.273 | 5.5 | 20.6 |
| 1 16 | 6 3.15 | +25 11.3 | 1.363 | 2.292 | 10.5 | 20.9 |
| 1 26 | 5 56.35 | +25 14.7 | 1.446 | 2.310 | 14.8 | 21.2 |
| 2 5 | 5 53.11 | +25 15.7 | 1.548 | 2.329 | 18.2 | 21.5 |

**22950** 1999 $TO_{241}$ 12 27.2 161.°60 0.°2/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.02 | +21 57.6 | 1.654 | 2.509 | 13.9 | 19.3 |
| 12 7 | 6 46.47 | +22 32.5 | 1.590 | 2.514 | 9.8 | 19.0 |
| 12 17 | 6 36.34 | +23 10.5 | 1.550 | 2.518 | 5.1 | 18.8 |
| 12 27 | 6 24.73 | +23 47.8 | 1.539 | 2.522 | 0.2 | 18.4 |
| 1 6 | 6 13.04 | +24 21.1 | 1.556 | 2.525 | 4.9 | 18.8 |
| 1 16 | 6 2.71 | +24 48.9 | 1.603 | 2.528 | 9.5 | 19.1 |
| 1 26 | 5 54.90 | +25 11.3 | 1.674 | 2.530 | 13.6 | 19.3 |
| 2 5 | 5 50.25 | +25 29.6 | 1.766 | 2.531 | 16.9 | 19.6 |

**80270** 1999 $XJ_{29}$ 12 27.2 343.°91 4.°2/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.59 | +15 17.4 | 1.309 | 2.173 | 16.3 | 19.3 |
| 12 7 | 6 44.39 | +14 44.0 | 1.246 | 2.170 | 11.9 | 19.1 |
| 12 17 | 6 35.37 | +14 19.5 | 1.205 | 2.168 | 7.2 | 18.8 |
| 12 27 | 6 24.72 | +14 5.4 | 1.189 | 2.165 | 4.2 | 18.6 |
| 1 6 | 6 14.03 | +14 2.2 | 1.199 | 2.163 | 6.9 | 18.8 |
| 1 16 | 6 4.85 | +14 9.4 | 1.235 | 2.162 | 11.6 | 19.0 |
| 1 26 | 5 58.44 | +14 25.7 | 1.294 | 2.161 | 16.0 | 19.3 |
| 2 5 | 5 55.48 | +14 48.9 | 1.371 | 2.160 | 19.8 | 19.5 |

**19717** 1999 $UZ_{40}$ 12 27.2 263.°29 0.°6/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.50 | +21 12.1 | 1.814 | 2.670 | 12.8 | 18.2 |
| 12 7 | 6 43.96 | +21 21.3 | 1.732 | 2.657 | 9.1 | 17.9 |
| 12 17 | 6 35.06 | +21 33.3 | 1.676 | 2.644 | 4.8 | 17.6 |
| 12 27 | 6 24.72 | +21 46.4 | 1.647 | 2.630 | 0.6 | 17.3 |
| 1 6 | 6 14.16 | +21 58.8 | 1.648 | 2.617 | 4.6 | 17.6 |
| 1 16 | 6 4.65 | +22 9.8 | 1.677 | 2.603 | 9.1 | 17.8 |
| 1 26 | 5 57.32 | +22 19.7 | 1.731 | 2.589 | 13.1 | 18.0 |
| 2 5 | 5 52.85 | +22 29.0 | 1.807 | 2.575 | 16.5 | 18.2 |

**20838** 2000 $UY_{53}$ 12 27.2 220.°23 1.°1/27.0 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.54 | +25 33.2 | 2.539 | 3.385 | 9.9 | 18.8 |
| 12 7 | 6 42.81 | +26 4.0 | 2.456 | 3.376 | 7.0 | 18.6 |
| 12 17 | 6 34.30 | +26 34.4 | 2.400 | 3.367 | 3.7 | 18.4 |
| 12 27 | 6 24.72 | +27 1.7 | 2.375 | 3.357 | 1.1 | 18.2 |
| 1 6 | 6 14.98 | +27 24.0 | 2.381 | 3.346 | 3.8 | 18.4 |
| 1 16 | 6 6.01 | +27 40.4 | 2.417 | 3.335 | 7.1 | 18.6 |
| 1 26 | 5 58.66 | +27 51.5 | 2.481 | 3.324 | 10.1 | 18.7 |
| 2 5 | 5 53.50 | +27 58.5 | 2.568 | 3.312 | 12.7 | 18.9 |

**208772** 2002 $PR_{134}$ 12 27.2 118.°09 1.°2/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.64 | +18 58.5 | 1.939 | 2.789 | 12.4 | 20.3 |
| 12 7 | 6 43.69 | +19 10.2 | 1.879 | 2.801 | 8.7 | 20.1 |
| 12 17 | 6 34.74 | +19 26.2 | 1.846 | 2.812 | 4.7 | 19.9 |
| 12 27 | 6 24.73 | +19 45.0 | 1.841 | 2.823 | 1.2 | 19.7 |
| 1 6 | 6 14.77 | +20 4.7 | 1.866 | 2.834 | 4.3 | 19.9 |
| 1 16 | 6 5.96 | +20 24.6 | 1.920 | 2.844 | 8.3 | 20.2 |
| 1 26 | 5 59.19 | +20 44.0 | 2.000 | 2.854 | 11.8 | 20.4 |
| 2 5 | 5 55.00 | +21 2.9 | 2.103 | 2.864 | 14.7 | 20.6 |

**383503** 2007 $CW_9$ 12 27.2 294.°38 2.°7/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.38 | +16 21.2 | 1.418 | 2.280 | 15.4 | 21.1 |
| 12 7 | 6 44.40 | +16 26.6 | 1.336 | 2.261 | 11.2 | 20.8 |
| 12 17 | 6 35.52 | +16 41.6 | 1.277 | 2.243 | 6.4 | 20.5 |
| 12 27 | 6 24.75 | +17 5.6 | 1.244 | 2.224 | 2.8 | 20.2 |
| 1 6 | 6 13.57 | +17 36.5 | 1.238 | 2.206 | 6.0 | 20.4 |
| 1 16 | 6 3.58 | +18 12.0 | 1.259 | 2.188 | 11.1 | 20.6 |
| 1 26 | 5 56.20 | +18 50.2 | 1.302 | 2.170 | 15.9 | 20.8 |
| 2 5 | 5 52.29 | +19 29.4 | 1.365 | 2.153 | 19.9 | 21.0 |

**36283** 2000 $DV_3$ 12 27.2 102.°66 8.°1/30.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.77 | + 0 21.1 | 1.104 | 1.928 | 21.4 | 18.2 |
| 12 7 | 6 49.89 | + 1 44.5 | 1.041 | 1.934 | 16.9 | 17.9 |
| 12 17 | 6 38.46 | + 3 48.8 | 0.999 | 1.939 | 12.0 | 17.7 |
| 12 27 | 6 24.81 | + 6 31.3 | 0.983 | 1.945 | 8.4 | 17.5 |
| 1 6 | 6 10.89 | + 9 39.9 | 0.993 | 1.950 | 9.3 | 17.6 |
| 1 16 | 5 58.73 | +12 57.9 | 1.031 | 1.955 | 13.7 | 17.8 |
| 1 26 | 5 49.97 | +16 9.8 | 1.095 | 1.960 | 18.4 | 18.1 |
| 2 5 | 5 45.45 | +19 5.6 | 1.178 | 1.965 | 22.5 | 18.4 |

**434164** 2002 $TS_{42}$ 12 27.2 60.°38 4.°8/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.19 | +13 22.2 | 1.233 | 2.093 | 17.3 | 20.4 |
| 12 7 | 6 45.87 | +12 55.0 | 1.198 | 2.118 | 12.6 | 20.2 |
| 12 17 | 6 35.92 | +12 40.8 | 1.184 | 2.144 | 7.8 | 20.0 |
| 12 27 | 6 24.75 | +12 40.1 | 1.195 | 2.170 | 4.8 | 19.9 |
| 1 6 | 6 14.00 | +12 52.0 | 1.233 | 2.195 | 7.1 | 20.1 |
| 1 16 | 6 5.14 | +13 14.5 | 1.297 | 2.221 | 11.4 | 20.4 |
| 1 26 | 5 59.19 | +13 44.7 | 1.383 | 2.247 | 15.4 | 20.7 |
| 2 5 | 5 56.60 | +14 19.5 | 1.488 | 2.273 | 18.7 | 21.0 |

**495** Eulalia 12 27.2 49.°09 1.°7/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.92 | +19 16.7 | 1.404 | 2.269 | 15.3 | 14.1 |
| 12 7 | 6 44.36 | +19 13.2 | 1.353 | 2.281 | 10.8 | 13.9 |
| 12 17 | 6 35.23 | +19 15.0 | 1.324 | 2.292 | 5.8 | 13.7 |
| 12 27 | 6 24.74 | +19 20.6 | 1.323 | 2.305 | 1.7 | 13.4 |
| 1 6 | 6 14.41 | +19 29.0 | 1.348 | 2.317 | 5.4 | 13.7 |
| 1 16 | 6 5.65 | +19 39.3 | 1.400 | 2.330 | 10.2 | 14.0 |
| 1 26 | 5 59.58 | +19 51.3 | 1.476 | 2.343 | 14.4 | 14.3 |
| 2 5 | 5 56.72 | +20 4.7 | 1.571 | 2.357 | 17.8 | 14.6 |

**358336** 2006 $VQ_{79}$ 12 27.2 250.°80 0.°3/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.38 | +21 28.7 | 1.905 | 2.761 | 12.3 | 20.9 |
| 12 7 | 6 42.99 | +21 47.2 | 1.835 | 2.759 | 8.7 | 20.7 |
| 12 17 | 6 34.47 | +22 8.3 | 1.790 | 2.758 | 4.5 | 20.5 |
| 12 27 | 6 24.73 | +22 30.1 | 1.774 | 2.757 | 0.3 | 20.1 |
| 1 6 | 6 14.90 | +22 50.5 | 1.787 | 2.756 | 4.3 | 20.4 |
| 1 16 | 6 6.14 | +23 8.4 | 1.828 | 2.754 | 8.5 | 20.7 |
| 1 26 | 5 59.45 | +23 24.0 | 1.895 | 2.753 | 12.2 | 20.9 |
| 2 5 | 5 55.42 | +23 37.7 | 1.984 | 2.751 | 15.2 | 21.1 |

**466623** 2014 $VJ_{28}$ 12 27.2 328.°45 5.°7/25.7 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.27 | +35 45.5 | 1.901 | 2.750 | 12.6 | 20.9 |
| 12 7 | 6 44.15 | +37 6.9 | 1.825 | 2.736 | 9.6 | 20.7 |
| 12 17 | 6 35.33 | +38 21.6 | 1.774 | 2.723 | 6.8 | 20.5 |
| 12 27 | 6 24.75 | +39 22.5 | 1.751 | 2.710 | 5.8 | 20.4 |
| 1 6 | 6 13.78 | +40 4.7 | 1.756 | 2.697 | 7.5 | 20.5 |
| 1 16 | 6 3.90 | +40 26.5 | 1.788 | 2.685 | 10.5 | 20.7 |
| 1 26 | 5 56.44 | +40 30.4 | 1.843 | 2.674 | 13.7 | 20.9 |
| 2 5 | 5 52.22 | +40 21.0 | 1.919 | 2.663 | 16.4 | 21.0 |

**43893** 1995 $ST_{32}$ 12 27.2 75.°47 1.°2/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.30 | +19 52.1 | 1.593 | 2.451 | 14.2 | 19.6 |
| 12 7 | 6 45.01 | +19 54.7 | 1.547 | 2.472 | 10.0 | 19.4 |
| 12 17 | 6 35.44 | +20 1.2 | 1.526 | 2.493 | 5.3 | 19.1 |
| 12 27 | 6 24.75 | +20 9.9 | 1.532 | 2.515 | 1.2 | 18.9 |
| 1 6 | 6 14.30 | +20 19.5 | 1.567 | 2.536 | 4.9 | 19.2 |
| 1 16 | 6 5.36 | +20 29.5 | 1.630 | 2.557 | 9.2 | 19.5 |
| 1 26 | 5 58.91 | +20 39.8 | 1.717 | 2.577 | 13.1 | 19.8 |
| 2 5 | 5 55.41 | +20 50.6 | 1.826 | 2.598 | 16.2 | 20.1 |

**60042** 1999 $TF_{102}$ 12 27.2 34.°27 7.°0/28.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 43.58 | − 0 45.3 | 2.576 | 3.366 | 11.5 | 18.2 |
| 12 7 | 6 38.41 | − 1 12.6 | 2.512 | 3.369 | 9.6 | 18.1 |
| 12 17 | 6 31.91 | − 1 24.5 | 2.471 | 3.372 | 7.8 | 18.0 |
| 12 27 | 6 24.68 | − 1 19.2 | 2.457 | 3.376 | 7.0 | 17.9 |
| 1 6 | 6 17.44 | − 0 56.5 | 2.471 | 3.380 | 7.5 | 17.9 |
| 1 16 | 6 10.90 | − 0 18.1 | 2.512 | 3.383 | 9.0 | 18.1 |
| 1 26 | 6 5.68 | + 0 33.2 | 2.578 | 3.387 | 10.9 | 18.2 |
| 2 5 | 6 2.22 | + 1 33.4 | 2.667 | 3.391 | 12.8 | 18.3 |

**189193** 2003 $FO_{96}$ 12 27.2 63.°68 4.°5/27.8 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.43 | +11 12.8 | 1.805 | 2.647 | 13.5 | 20.4 |
| 12 7 | 6 42.12 | +10 51.9 | 1.754 | 2.664 | 10.0 | 20.2 |
| 12 17 | 6 33.90 | +10 42.1 | 1.728 | 2.681 | 6.6 | 20.0 |
| 12 27 | 6 24.72 | +10 44.3 | 1.729 | 2.697 | 4.6 | 19.9 |
| 1 6 | 6 15.68 | +10 57.7 | 1.759 | 2.714 | 6.1 | 20.1 |
| 1 16 | 6 7.82 | +11 20.9 | 1.816 | 2.731 | 9.3 | 20.3 |
| 1 26 | 6 1.98 | +11 51.7 | 1.898 | 2.748 | 12.5 | 20.5 |
| 2 5 | 5 58.64 | +12 27.3 | 2.001 | 2.765 | 15.2 | 20.8 |

**50409** 2000 $CO_{125}$ 12 27.2 136.°71 0.°1/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.60 | +21 49.8 | 1.951 | 2.804 | 12.2 | 19.6 |
| 12 7 | 6 43.76 | +22 11.5 | 1.887 | 2.810 | 8.5 | 19.4 |
| 12 17 | 6 34.83 | +22 35.4 | 1.848 | 2.816 | 4.5 | 19.2 |
| 12 27 | 6 24.74 | +22 59.1 | 1.838 | 2.822 | 0.2 | 18.8 |
| 1 6 | 6 14.65 | +23 20.7 | 1.859 | 2.827 | 4.2 | 19.2 |
| 1 16 | 6 5.67 | +23 39.0 | 1.908 | 2.832 | 8.3 | 19.4 |
| 1 26 | 5 58.76 | +23 54.4 | 1.983 | 2.837 | 11.8 | 19.7 |
| 2 5 | 5 54.47 | +24 7.5 | 2.080 | 2.842 | 14.8 | 19.9 |

**449383** 2013 $GA_{103}$ 12 27.2 250.°04 0.°1/27.3 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.93 | +21 11.5 | 2.040 | 2.892 | 11.8 | 21.2 |
| 12 7 | 6 43.41 | +21 44.3 | 1.958 | 2.881 | 8.3 | 20.9 |
| 12 17 | 6 34.74 | +22 20.9 | 1.901 | 2.869 | 4.4 | 20.7 |
| 12 27 | 6 24.75 | +22 58.6 | 1.874 | 2.858 | 0.2 | 20.3 |
| 1 6 | 6 14.52 | +23 34.6 | 1.877 | 2.846 | 4.2 | 20.6 |
| 1 16 | 6 5.20 | +24 7.3 | 1.910 | 2.834 | 8.3 | 20.8 |
| 1 26 | 5 57.81 | +24 36.1 | 1.968 | 2.821 | 12.0 | 21.0 |
| 2 5 | 5 53.01 | +25 1.2 | 2.049 | 2.809 | 15.0 | 21.2 |

**95858** 2003 $GW_9$ 12 27.2 286.°18 5.°2/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.71 | +11 32.1 | 1.578 | 2.426 | 14.8 | 19.9 |
| 12 7 | 6 43.65 | +11 2.5 | 1.493 | 2.405 | 11.2 | 19.7 |
| 12 17 | 6 35.02 | +10 44.1 | 1.430 | 2.385 | 7.5 | 19.4 |
| 12 27 | 6 24.75 | +10 39.0 | 1.394 | 2.364 | 5.2 | 19.2 |
| 1 6 | 6 14.14 | +10 47.7 | 1.386 | 2.343 | 7.2 | 19.3 |
| 1 16 | 6 4.56 | +11 9.6 | 1.403 | 2.322 | 11.2 | 19.5 |
| 1 26 | 5 57.27 | +11 42.4 | 1.445 | 2.300 | 15.4 | 19.7 |
| 2 5 | 5 53.05 | +12 23.2 | 1.506 | 2.279 | 19.0 | 19.8 |

**440** Theodora 12 27.2 347.°19 0.°4/27.2 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.31 | +24 14.9 | 1.113 | 1.993 | 17.3 | 14.1 |
| 12 7 | 6 45.45 | +24 15.6 | 1.052 | 1.988 | 12.2 | 13.8 |
| 12 17 | 6 36.13 | +24 16.1 | 1.012 | 1.983 | 6.4 | 13.5 |
| 12 27 | 6 24.77 | +24 13.4 | 0.996 | 1.979 | 0.5 | 13.1 |
| 1 6 | 6 13.33 | +24 6.2 | 1.005 | 1.976 | 6.2 | 13.5 |
| 1 16 | 6 3.76 | +23 55.1 | 1.038 | 1.974 | 12.1 | 13.8 |
| 1 26 | 5 57.58 | +23 42.5 | 1.092 | 1.972 | 17.3 | 14.1 |
| 2 5 | 5 55.48 | +23 30.7 | 1.164 | 1.972 | 21.5 | 14.4 |

**354249** 2002 $PM_{103}$ 12 27.2 120.°65 1.°9/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.09 | +29 30.6 | 2.039 | 2.885 | 12.0 | 21.2 |
| 12 7 | 6 46.01 | +29 25.6 | 1.981 | 2.900 | 8.5 | 21.0 |
| 12 17 | 6 35.89 | +29 14.6 | 1.950 | 2.915 | 4.7 | 20.8 |
| 12 27 | 6 24.77 | +28 55.5 | 1.948 | 2.929 | 1.9 | 20.6 |
| 1 6 | 6 13.87 | +28 28.5 | 1.977 | 2.942 | 4.5 | 20.8 |
| 1 16 | 6 4.32 | +27 55.2 | 2.035 | 2.955 | 8.1 | 21.1 |
| 1 26 | 5 57.03 | +27 18.8 | 2.120 | 2.968 | 11.5 | 21.3 |
| 2 5 | 5 52.45 | +26 42.3 | 2.228 | 2.980 | 14.2 | 21.5 |

**208911** 2002 $TR_{279}$ 12 27.2 109.°28 5.°4/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.65 | +38 8.7 | 1.956 | 2.793 | 12.9 | 20.0 |
| 12 7 | 6 47.45 | +38 41.5 | 1.902 | 2.806 | 9.8 | 19.9 |
| 12 17 | 6 36.76 | +39 1.6 | 1.873 | 2.818 | 6.8 | 19.7 |
| 12 27 | 6 24.79 | +39 4.3 | 1.871 | 2.830 | 5.4 | 19.7 |
| 1 6 | 6 13.01 | +38 48.2 | 1.899 | 2.842 | 6.8 | 19.8 |
| 1 16 | 6 2.79 | +38 15.4 | 1.954 | 2.854 | 9.6 | 20.0 |
| 1 26 | 5 55.20 | +37 30.7 | 2.034 | 2.865 | 12.5 | 20.2 |
| 2 5 | 5 50.76 | +36 39.8 | 2.136 | 2.877 | 15.1 | 20.4 |

**455795** 2005 $SF$ 12 27.2 235.°63 1.°3/27.4 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 59.16 | +18 24.0 | 2.257 | 3.085 | 11.7 | 23.7 |
| 12 7 | 6 49.87 | +18 41.5 | 2.150 | 3.060 | 8.4 | 23.5 |
| 12 17 | 6 38.16 | +19 3.3 | 2.071 | 3.034 | 4.6 | 23.2 |
| 12 27 | 6 24.84 | +19 27.5 | 2.023 | 3.005 | 1.3 | 22.9 |
| 1 6 | 6 11.03 | +19 52.0 | 2.009 | 2.974 | 4.4 | 23.1 |
| 1 16 | 5 57.97 | +20 15.5 | 2.028 | 2.942 | 8.6 | 23.3 |
| 1 26 | 5 46.81 | +20 37.6 | 2.076 | 2.907 | 12.3 | 23.4 |
| 2 5 | 5 38.33 | +20 58.9 | 2.147 | 2.870 | 15.5 | 23.6 |

**55731** 1981 $EO_{37}$ 12 27.2 70.°72 2.°8/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.81 | +16 56.9 | 1.433 | 2.293 | 15.3 | 18.7 |
| 12 7 | 6 44.91 | +16 42.1 | 1.381 | 2.305 | 11.0 | 18.5 |
| 12 17 | 6 35.49 | +16 34.5 | 1.353 | 2.318 | 6.3 | 18.3 |
| 12 27 | 6 24.77 | +16 33.9 | 1.352 | 2.331 | 2.8 | 18.1 |
| 1 6 | 6 14.21 | +16 39.6 | 1.378 | 2.344 | 5.8 | 18.3 |
| 1 16 | 6 5.21 | +16 50.8 | 1.430 | 2.357 | 10.3 | 18.6 |
| 1 26 | 5 58.85 | +17 6.4 | 1.507 | 2.370 | 14.4 | 18.9 |
| 2 5 | 5 55.66 | +17 25.4 | 1.603 | 2.383 | 17.7 | 19.1 |

**268163** 2004 $VB_1$ 12 27.2 23.°37 5.°3/26.5 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.83 | +34 55.4 | 1.664 | 2.520 | 13.8 | 19.7 |
| 12 7 | 6 44.44 | +35 52.3 | 1.611 | 2.528 | 10.2 | 19.5 |
| 12 17 | 6 35.35 | +36 39.8 | 1.582 | 2.537 | 6.9 | 19.3 |
| 12 27 | 6 24.77 | +37 11.7 | 1.580 | 2.546 | 5.3 | 19.3 |
| 1 6 | 6 14.22 | +37 25.0 | 1.605 | 2.555 | 7.1 | 19.4 |
| 1 16 | 6 5.18 | +37 20.2 | 1.656 | 2.566 | 10.4 | 19.6 |
| 1 26 | 5 58.85 | +37 1.2 | 1.731 | 2.577 | 13.7 | 19.8 |
| 2 5 | 5 55.81 | +36 33.2 | 1.826 | 2.588 | 16.5 | 20.1 |

**32193** 2000 $NK_{27}$ 12 27.2 185.°49 2.°1/27.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.04 | +28 39.6 | 2.011 | 2.859 | 12.1 | 18.9 |
| 12 7 | 6 46.25 | +29 0.0 | 1.940 | 2.859 | 8.6 | 18.7 |
| 12 17 | 6 36.17 | +29 16.3 | 1.894 | 2.859 | 4.8 | 18.5 |
| 12 27 | 6 24.79 | +29 25.0 | 1.878 | 2.858 | 2.1 | 18.3 |
| 1 6 | 6 13.38 | +29 24.4 | 1.892 | 2.856 | 4.8 | 18.5 |
| 1 16 | 6 3.17 | +29 15.1 | 1.935 | 2.854 | 8.6 | 18.7 |
| 1 26 | 5 55.20 | +28 59.3 | 2.005 | 2.851 | 12.1 | 18.9 |
| 2 5 | 5 50.08 | +28 40.0 | 2.096 | 2.847 | 15.0 | 19.1 |

**252516** 2001 $UF_{190}$ 12 27.2 122.°71 0.°4/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.64 | +22 9.5 | 2.194 | 3.042 | 11.2 | 22.0 |
| 12 7 | 6 43.50 | +22 10.3 | 2.135 | 3.056 | 7.8 | 21.8 |
| 12 17 | 6 34.59 | +22 11.8 | 2.103 | 3.070 | 4.1 | 21.6 |
| 12 27 | 6 24.77 | +22 12.8 | 2.100 | 3.084 | 0.4 | 21.3 |
| 1 6 | 6 15.05 | +22 12.5 | 2.129 | 3.097 | 3.8 | 21.7 |
| 1 16 | 6 6.41 | +22 11.0 | 2.186 | 3.109 | 7.5 | 21.9 |
| 1 26 | 5 59.66 | +22 9.0 | 2.271 | 3.121 | 10.7 | 22.1 |
| 2 5 | 5 55.25 | +22 7.2 | 2.379 | 3.133 | 13.4 | 22.3 |

**273467** 2006 $XF_{56}$ 12 27.2 349.°81 2.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.14 | +18 23.9 | 1.047 | 1.931 | 17.7 | 19.9 |
| 12 7 | 6 42.60 | +18 31.7 | 0.986 | 1.922 | 12.7 | 19.5 |
| 12 17 | 6 34.71 | +18 49.3 | 0.944 | 1.915 | 7.0 | 19.2 |
| 12 27 | 6 24.77 | +19 15.0 | 0.926 | 1.909 | 2.1 | 18.9 |
| 1 6 | 6 14.63 | +19 45.8 | 0.932 | 1.904 | 6.5 | 19.1 |
| 1 16 | 6 6.17 | +20 19.0 | 0.961 | 1.901 | 12.4 | 19.4 |
| 1 26 | 6 0.97 | +20 52.8 | 1.011 | 1.899 | 17.7 | 19.7 |
| 2 5 | 5 59.79 | +21 25.5 | 1.078 | 1.899 | 22.0 | 20.0 |

**422462** 2014 $SW_{313}$ 12 27.2 7.°73 2.°1/26.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.44 | +27 22.0 | 1.811 | 2.672 | 12.6 | 20.6 |
| 12 7 | 6 42.50 | +27 56.6 | 1.747 | 2.673 | 8.9 | 20.3 |
| 12 17 | 6 34.29 | +28 29.2 | 1.707 | 2.674 | 4.9 | 20.1 |
| 12 27 | 6 24.78 | +28 56.0 | 1.696 | 2.676 | 2.1 | 19.9 |
| 1 6 | 6 15.21 | +29 14.5 | 1.713 | 2.679 | 4.9 | 20.1 |
| 1 16 | 6 6.84 | +29 24.2 | 1.758 | 2.682 | 8.9 | 20.4 |
| 1 26 | 6 0.70 | +29 26.4 | 1.827 | 2.685 | 12.5 | 20.6 |
| 2 5 | 5 57.39 | +29 23.3 | 1.918 | 2.689 | 15.5 | 20.8 |

**15297** 1992 $CF$ 12 27.2 228.°23 0.°9/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.30 | +26 56.8 | 1.623 | 2.480 | 14.0 | 17.2 |
| 12 7 | 6 46.74 | +26 37.8 | 1.552 | 2.477 | 9.9 | 17.0 |
| 12 17 | 6 36.53 | +26 13.7 | 1.505 | 2.473 | 5.3 | 16.7 |
| 12 27 | 6 24.84 | +25 42.8 | 1.486 | 2.469 | 1.0 | 16.4 |
| 1 6 | 6 13.17 | +25 5.5 | 1.496 | 2.465 | 5.0 | 16.7 |
| 1 16 | 6 3.00 | +24 24.3 | 1.534 | 2.460 | 9.8 | 16.9 |
| 1 26 | 5 55.48 | +23 42.7 | 1.597 | 2.456 | 14.0 | 17.2 |
| 2 5 | 5 51.23 | +23 4.0 | 1.680 | 2.451 | 17.4 | 17.4 |

**92729** 2000 $QX_{99}$ 12 27.2 147.°71 1.°2/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.39 | +25 28.0 | 1.956 | 2.806 | 12.3 | 20.3 |
| 12 7 | 6 45.73 | +25 54.4 | 1.893 | 2.815 | 8.6 | 20.1 |
| 12 17 | 6 35.88 | +26 19.5 | 1.857 | 2.824 | 4.6 | 19.9 |
| 12 27 | 6 24.82 | +26 40.1 | 1.850 | 2.832 | 1.2 | 19.7 |
| 1 6 | 6 13.79 | +26 54.3 | 1.873 | 2.839 | 4.5 | 19.9 |
| 1 16 | 6 3.98 | +27 1.7 | 1.925 | 2.846 | 8.4 | 20.2 |
| 1 26 | 5 56.39 | +27 3.7 | 2.004 | 2.853 | 12.0 | 20.4 |
| 2 5 | 5 51.59 | +27 2.3 | 2.104 | 2.858 | 14.9 | 20.6 |

**186050** 2001 $SA_{40}$ 12 27.2 25.°14 5.°4/26.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.15 | +33 3.8 | 1.357 | 2.225 | 15.5 | 18.9 |
| 12 7 | 6 44.98 | +34 9.2 | 1.312 | 2.237 | 11.4 | 18.6 |
| 12 17 | 6 35.74 | +35 5.6 | 1.290 | 2.250 | 7.3 | 18.4 |
| 12 27 | 6 24.82 | +35 45.7 | 1.294 | 2.264 | 5.4 | 18.4 |
| 1 6 | 6 14.01 | +36 5.5 | 1.323 | 2.279 | 7.6 | 18.5 |
| 1 16 | 6 5.04 | +36 5.8 | 1.378 | 2.295 | 11.5 | 18.8 |
| 1 26 | 5 59.20 | +35 50.9 | 1.455 | 2.312 | 15.2 | 19.1 |
| 2 5 | 5 57.06 | +35 26.4 | 1.551 | 2.330 | 18.3 | 19.3 |

**174712** 2003 $UQ_{129}$ 12 27.2 159.°68 2.°4/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.99 | +29 29.3 | 1.638 | 2.491 | 14.1 | 20.6 |
| 12 7 | 6 48.60 | +29 36.8 | 1.575 | 2.496 | 10.1 | 20.3 |
| 12 17 | 6 37.47 | +29 37.8 | 1.536 | 2.501 | 5.6 | 20.1 |
| 12 27 | 6 24.87 | +29 28.6 | 1.526 | 2.506 | 2.4 | 19.9 |
| 1 6 | 6 12.38 | +29 8.3 | 1.545 | 2.510 | 5.5 | 20.1 |
| 1 16 | 6 1.52 | +28 38.7 | 1.592 | 2.513 | 9.9 | 20.4 |
| 1 26 | 5 53.47 | +28 3.9 | 1.664 | 2.516 | 13.8 | 20.6 |
| 2 5 | 5 48.82 | +27 28.1 | 1.756 | 2.518 | 17.1 | 20.8 |

**136534** 2006 $KK_{16}$ 12 27.2 256.°42 1.°6/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.10 | +15 21.2 | 2.402 | 3.241 | 10.7 | 19.7 |
| 12 7 | 6 41.85 | +16 5.2 | 2.318 | 3.232 | 7.7 | 19.5 |
| 12 17 | 6 33.86 | +16 57.2 | 2.260 | 3.223 | 4.3 | 19.3 |
| 12 27 | 6 24.79 | +17 55.3 | 2.234 | 3.214 | 1.7 | 19.1 |
| 1 6 | 6 15.52 | +18 56.6 | 2.238 | 3.205 | 3.9 | 19.2 |
| 1 16 | 6 6.95 | +19 58.4 | 2.273 | 3.195 | 7.3 | 19.4 |
| 1 26 | 5 59.92 | +20 58.6 | 2.337 | 3.186 | 10.5 | 19.6 |
| 2 5 | 5 55.01 | +21 55.7 | 2.424 | 3.176 | 13.2 | 19.8 |

**295508** 2008 $RX_{66}$ 12 27.2 38.°87 1.°6/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.03 | +25 15.3 | 1.209 | 2.084 | 16.5 | 20.2 |
| 12 7 | 6 45.52 | +25 49.4 | 1.167 | 2.100 | 11.6 | 20.0 |
| 12 17 | 6 35.97 | +26 22.7 | 1.146 | 2.116 | 6.1 | 19.7 |
| 12 27 | 6 24.84 | +26 50.4 | 1.152 | 2.134 | 1.6 | 19.5 |
| 1 6 | 6 13.95 | +27 9.2 | 1.183 | 2.152 | 5.9 | 19.8 |
| 1 16 | 6 5.01 | +27 18.8 | 1.239 | 2.171 | 11.0 | 20.1 |
| 1 26 | 5 59.24 | +27 21.3 | 1.318 | 2.190 | 15.4 | 20.5 |
| 2 5 | 5 57.16 | +27 19.4 | 1.416 | 2.210 | 19.0 | 20.7 |

**454237** 2013 $JY_{62}$ 12 27.2 326.°33 0.°6/27.1 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.63 | +21 18.8 | 1.612 | 2.475 | 13.8 | 20.4 |
| 12 7 | 6 43.69 | +22 21.6 | 1.536 | 2.464 | 9.7 | 20.1 |
| 12 17 | 6 35.11 | +23 31.4 | 1.485 | 2.455 | 5.1 | 19.8 |
| 12 27 | 6 24.84 | +24 43.0 | 1.462 | 2.445 | 0.6 | 19.5 |
| 1 6 | 6 14.23 | +25 51.1 | 1.468 | 2.437 | 5.1 | 19.8 |
| 1 16 | 6 4.73 | +26 51.8 | 1.501 | 2.428 | 9.8 | 20.0 |
| 1 26 | 5 57.63 | +27 43.6 | 1.558 | 2.420 | 14.1 | 20.3 |
| 2 5 | 5 53.71 | +28 26.8 | 1.637 | 2.413 | 17.6 | 20.5 |

**458695** 2011 $HD_{61}$ 12 27.2 119.°84 3.°8/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 45.54 | +10 29.1 | 2.465 | 3.296 | 10.7 | 21.4 |
| 12 7 | 6 39.88 | +10 21.7 | 2.396 | 3.299 | 8.0 | 21.3 |
| 12 17 | 6 32.74 | +10 23.4 | 2.353 | 3.303 | 5.3 | 21.1 |
| 12 27 | 6 24.79 | +10 34.4 | 2.339 | 3.306 | 3.8 | 21.0 |
| 1 6 | 6 16.83 | +10 54.2 | 2.355 | 3.309 | 4.9 | 21.1 |
| 1 16 | 6 9.63 | +11 21.5 | 2.400 | 3.312 | 7.5 | 21.2 |
| 1 26 | 6 3.88 | +11 54.7 | 2.472 | 3.314 | 10.2 | 21.4 |
| 2 5 | 6 0.03 | +12 31.8 | 2.566 | 3.317 | 12.6 | 21.6 |

**453215** 2008 $HP_{14}$ 12 27.2 264.°71 1.°2/27.3 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.15 | +20 21.2 | 2.029 | 2.881 | 11.8 | 21.9 |
| 12 7 | 6 42.80 | +20 10.2 | 1.947 | 2.870 | 8.4 | 21.6 |
| 12 17 | 6 34.41 | +20 1.4 | 1.892 | 2.859 | 4.5 | 21.4 |
| 12 27 | 6 24.83 | +19 54.0 | 1.865 | 2.847 | 1.2 | 21.1 |
| 1 6 | 6 15.14 | +19 47.8 | 1.868 | 2.836 | 4.3 | 21.3 |
| 1 16 | 6 6.40 | +19 42.9 | 1.900 | 2.825 | 8.3 | 21.5 |
| 1 26 | 5 59.58 | +19 39.8 | 1.958 | 2.813 | 11.9 | 21.7 |
| 2 5 | 5 55.27 | +19 38.9 | 2.038 | 2.801 | 15.0 | 21.9 |

**510006** 2009 $WF_{25}$ 12 27.2 1.°05 0.°6/27.5 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.06 | +11 28.3 | 0.939 | 1.805 | 21.0 | 19.8 |
| 12 7 | 6 51.05 | +14 25.6 | 0.876 | 1.803 | 15.2 | 19.4 |
| 12 17 | 6 39.60 | +18 1.8 | 0.834 | 1.802 | 8.2 | 19.1 |
| 12 27 | 6 24.97 | +22 0.7 | 0.819 | 1.802 | 0.7 | 18.6 |
| 1 6 | 6 9.44 | +25 57.2 | 0.832 | 1.803 | 7.4 | 19.0 |
| 1 16 | 5 55.68 | +29 29.0 | 0.873 | 1.804 | 14.5 | 19.4 |
| 1 26 | 5 46.02 | +32 25.0 | 0.936 | 1.806 | 20.4 | 19.8 |
| 2 5 | 5 41.64 | +34 45.5 | 1.017 | 1.809 | 25.0 | 20.1 |

**133532** 2003 $TK_6$ 12 27.2 79.°61 1.°8/27.6 18

| 11 27 | 6 50.42 | +16 45.3 | 1.673 | 2.527 | 13.8 | 19.7 |
|---|---|---|---|---|---|---|
| 12 7 | 6 43.90 | +17 14.6 | 1.610 | 2.532 | 9.9 | 19.5 |
| 12 17 | 6 35.05 | +17 52.5 | 1.571 | 2.536 | 5.5 | 19.2 |
| 12 27 | 6 24.85 | +18 36.4 | 1.559 | 2.541 | 1.8 | 19.0 |
| 1 6 | 6 14.59 | +19 23.1 | 1.577 | 2.545 | 4.9 | 19.2 |
| 1 16 | 6 5.54 | +20 10.0 | 1.623 | 2.550 | 9.3 | 19.5 |
| 1 26 | 5 58.77 | +20 55.2 | 1.694 | 2.554 | 13.2 | 19.7 |
| 2 5 | 5 54.90 | +21 37.7 | 1.786 | 2.559 | 16.5 | 20.0 |

**388082** 2005 $UZ_{85}$ 12 27.2 315.°29 3.°8/26.7 18

| 11 27 | 6 51.65 | +28 58.6 | 1.311 | 2.183 | 15.7 | 20.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 45.79 | +29 53.3 | 1.236 | 2.166 | 11.4 | 20.6 |
| 12 17 | 6 36.48 | +30 46.3 | 1.183 | 2.149 | 6.7 | 20.3 |
| 12 27 | 6 24.90 | +31 30.3 | 1.155 | 2.133 | 3.8 | 20.1 |
| 1 6 | 6 12.84 | +31 59.7 | 1.153 | 2.117 | 7.1 | 20.3 |
| 1 16 | 6 2.27 | +32 12.7 | 1.176 | 2.102 | 12.1 | 20.5 |
| 1 26 | 5 54.87 | +32 11.8 | 1.221 | 2.087 | 16.9 | 20.7 |
| 2 5 | 5 51.58 | +32 1.7 | 1.284 | 2.074 | 20.9 | 21.0 |

**517354** 2014 $JJ_{85}$ 12 27.2 157.°56 0.°4/27.3 18

| 11 27 | 6 50.79 | +20 34.7 | 1.920 | 2.772 | 12.4 | 21.7 |
|---|---|---|---|---|---|---|
| 12 7 | 6 43.99 | +21 4.1 | 1.852 | 2.775 | 8.7 | 21.4 |
| 12 17 | 6 35.04 | +21 37.4 | 1.811 | 2.778 | 4.6 | 21.2 |
| 12 27 | 6 24.86 | +22 11.9 | 1.798 | 2.781 | 0.4 | 20.9 |
| 1 6 | 6 14.62 | +22 45.0 | 1.815 | 2.783 | 4.3 | 21.2 |
| 1 16 | 6 5.45 | +23 15.1 | 1.861 | 2.786 | 8.4 | 21.5 |
| 1 26 | 5 58.36 | +23 41.7 | 1.933 | 2.788 | 12.1 | 21.7 |
| 2 5 | 5 53.95 | +24 5.4 | 2.027 | 2.789 | 15.1 | 21.9 |

**236332** 2006 $BT_{93}$ 12 27.2 80.°27 0.°7/27.3 18

| 11 27 | 6 51.45 | +21 27.2 | 1.592 | 2.452 | 14.0 | 20.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 44.71 | +21 29.3 | 1.528 | 2.455 | 9.9 | 20.6 |
| 12 17 | 6 35.49 | +21 33.8 | 1.489 | 2.458 | 5.2 | 20.3 |
| 12 27 | 6 24.88 | +21 39.1 | 1.477 | 2.460 | 0.7 | 20.0 |
| 1 6 | 6 14.27 | +21 43.7 | 1.494 | 2.463 | 4.9 | 20.3 |
| 1 16 | 6 5.03 | +21 47.4 | 1.537 | 2.466 | 9.6 | 20.6 |
| 1 26 | 5 58.27 | +21 50.8 | 1.606 | 2.469 | 13.7 | 20.9 |
| 2 5 | 5 54.60 | +21 54.7 | 1.695 | 2.471 | 17.1 | 21.1 |

**202336** 2005 $EN_{106}$ 12 27.2 218.°94 0.°3/27.3 18

| 11 27 | 6 47.03 | +21 39.1 | 2.706 | 3.552 | 9.4 | 20.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 40.93 | +21 46.8 | 2.625 | 3.545 | 6.6 | 20.7 |
| 12 17 | 6 33.32 | +21 55.9 | 2.572 | 3.539 | 3.5 | 20.5 |
| 12 27 | 6 24.84 | +22 5.1 | 2.549 | 3.532 | 0.4 | 20.3 |
| 1 6 | 6 16.27 | +22 13.5 | 2.556 | 3.525 | 3.3 | 20.5 |
| 1 16 | 6 8.43 | +22 20.9 | 2.595 | 3.517 | 6.5 | 20.7 |
| 1 26 | 6 2.01 | +22 27.2 | 2.661 | 3.509 | 9.4 | 20.9 |
| 2 5 | 5 57.50 | +22 33.0 | 2.750 | 3.501 | 11.8 | 21.0 |

**326380** 2001 $FG_{74}$ 12 27.2 242.°59 4.°6/27.8 18

| 11 27 | 6 45.85 | + 5 9.6 | 3.185 | 3.987 | 9.3 | 21.6 |
|---|---|---|---|---|---|---|
| 12 7 | 6 39.94 | + 4 47.8 | 3.088 | 3.966 | 7.3 | 21.5 |
| 12 17 | 6 32.76 | + 4 35.1 | 3.018 | 3.944 | 5.5 | 21.3 |
| 12 27 | 6 24.83 | + 4 33.0 | 2.978 | 3.922 | 4.6 | 21.2 |
| 1 6 | 6 16.76 | + 4 41.7 | 2.968 | 3.899 | 5.3 | 21.3 |
| 1 16 | 6 9.17 | + 5 0.7 | 2.988 | 3.875 | 7.2 | 21.3 |
| 1 26 | 6 2.67 | + 5 28.6 | 3.036 | 3.851 | 9.3 | 21.5 |
| 2 5 | 5 57.68 | + 6 3.4 | 3.107 | 3.826 | 11.2 | 21.6 |

**277730** 2006 $DO_{78}$ 12 27.3 127.°12 3.°1/26.9 17

| 11 27 | 6 50.70 | +33 9.5 | 2.404 | 3.246 | 10.6 | 21.4 |
|---|---|---|---|---|---|---|
| 12 7 | 6 43.66 | +33 30.7 | 2.341 | 3.254 | 7.7 | 21.3 |
| 12 17 | 6 34.77 | +33 45.0 | 2.304 | 3.261 | 4.8 | 21.1 |
| 12 27 | 6 24.89 | +33 49.6 | 2.297 | 3.268 | 3.1 | 21.0 |
| 1 6 | 6 15.06 | +33 43.2 | 2.319 | 3.275 | 4.8 | 21.1 |
| 1 16 | 6 6.30 | +33 26.6 | 2.371 | 3.282 | 7.6 | 21.3 |
| 1 26 | 5 59.44 | +33 2.3 | 2.450 | 3.289 | 10.4 | 21.5 |
| 2 5 | 5 55.00 | +32 33.5 | 2.552 | 3.295 | 12.8 | 21.7 |

**409255** 2004 $GX_{75}$ 12 27.3 246.°98 1.°7/27.2 18

| 11 27 | 6 51.17 | +20 1.8 | 2.235 | 3.079 | 11.2 | 21.1 |
|---|---|---|---|---|---|---|
| 12 7 | 6 44.06 | +19 22.9 | 2.146 | 3.064 | 8.0 | 20.9 |
| 12 17 | 6 35.03 | +18 44.1 | 2.083 | 3.048 | 4.4 | 20.6 |
| 12 27 | 6 24.90 | +18 6.1 | 2.051 | 3.031 | 1.7 | 20.4 |
| 1 6 | 6 14.66 | +17 29.9 | 2.049 | 3.015 | 4.3 | 20.5 |
| 1 16 | 6 5.33 | +16 57.0 | 2.078 | 2.997 | 8.1 | 20.7 |
| 1 26 | 5 57.79 | +16 28.8 | 2.134 | 2.979 | 11.5 | 20.9 |
| 2 5 | 5 52.62 | +16 6.2 | 2.213 | 2.961 | 14.4 | 21.1 |

**21581** Ernestoruiz 12 27.3 352.°00 4.°9/27.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.32 | + 9 15.3 | 2.038 | 2.872 | 12.5 | 17.0 |
| 12 7 | 6 40.68 | + 8 53.8 | 1.968 | 2.871 | 9.5 | 16.8 |
| 12 17 | 6 33.27 | + 8 43.7 | 1.924 | 2.870 | 6.6 | 16.6 |
| 12 27 | 6 24.86 | + 8 46.3 | 1.907 | 2.869 | 4.9 | 16.5 |
| 1 6 | 6 16.40 | + 9 1.3 | 1.918 | 2.869 | 6.2 | 16.6 |
| 1 16 | 6 8.85 | + 9 27.4 | 1.958 | 2.868 | 9.0 | 16.8 |
| 1 26 | 6 3.03 | +10 2.5 | 2.022 | 2.868 | 12.0 | 16.9 |
| 2 5 | 5 59.47 | +10 43.6 | 2.109 | 2.868 | 14.7 | 17.1 |

**369788** 2012 $HZ_8$ 12 27.3 257.°30 5.°0/28.0 18

| 11 27 | 6 46.50 | + 7 43.8 | 2.197 | 3.023 | 12.0 | 20.6 |
|---|---|---|---|---|---|---|
| 12 7 | 6 40.75 | + 7 30.7 | 2.121 | 3.018 | 9.3 | 20.4 |
| 12 17 | 6 33.30 | + 7 29.7 | 2.071 | 3.013 | 6.6 | 20.3 |
| 12 27 | 6 24.87 | + 7 41.8 | 2.049 | 3.008 | 5.1 | 20.2 |
| 1 6 | 6 16.35 | + 8 6.6 | 2.056 | 3.003 | 6.1 | 20.2 |
| 1 16 | 6 8.63 | + 8 42.6 | 2.091 | 2.998 | 8.7 | 20.4 |
| 1 26 | 6 2.53 | + 9 27.1 | 2.152 | 2.992 | 11.6 | 20.6 |
| 2 5 | 5 58.56 | +10 17.3 | 2.235 | 2.987 | 14.2 | 20.7 |

**495542** 2014 $WW_{139}$ 12 27.3 306.°59 2.°8/27.3 18

| 11 27 | 6 46.93 | +16 7.2 | 2.225 | 3.071 | 11.1 | 21.5 |
|---|---|---|---|---|---|---|
| 12 7 | 6 41.03 | +15 33.5 | 2.148 | 3.065 | 8.1 | 21.3 |
| 12 17 | 6 33.42 | +15 4.1 | 2.098 | 3.059 | 4.9 | 21.0 |
| 12 27 | 6 24.87 | +14 39.9 | 2.077 | 3.053 | 2.8 | 20.9 |
| 1 6 | 6 16.28 | +14 21.8 | 2.085 | 3.047 | 4.7 | 21.0 |
| 1 16 | 6 8.55 | +14 10.0 | 2.123 | 3.041 | 8.0 | 21.2 |
| 1 26 | 6 2.49 | +14 4.6 | 2.186 | 3.035 | 11.1 | 21.4 |
| 2 5 | 5 58.60 | +14 5.0 | 2.272 | 3.030 | 13.8 | 21.6 |

**36809** 2000 $SZ_{68}$ 12 27.3 206.°52 2.°6/26.9 18

| 11 27 | 6 53.88 | +29 30.7 | 1.948 | 2.797 | 12.4 | 20.0 |
|---|---|---|---|---|---|---|
| 12 7 | 6 46.32 | +29 57.9 | 1.873 | 2.793 | 8.9 | 19.8 |
| 12 17 | 6 36.34 | +30 20.5 | 1.824 | 2.788 | 5.1 | 19.6 |
| 12 27 | 6 24.95 | +30 34.7 | 1.804 | 2.782 | 2.6 | 19.4 |
| 1 6 | 6 13.43 | +30 38.2 | 1.813 | 2.776 | 5.1 | 19.5 |
| 1 16 | 6 3.11 | +30 31.3 | 1.852 | 2.770 | 9.0 | 19.8 |
| 1 26 | 5 55.11 | +30 16.5 | 1.916 | 2.763 | 12.5 | 20.0 |
| 2 5 | 5 50.06 | +29 57.1 | 2.002 | 2.755 | 15.6 | 20.2 |

**52177** 2235 $T\text{-}_2$ 12 27.3 68.°91 0.°9/27.4 17

| 11 27 | 6 47.60 | +20 6.3 | 2.218 | 3.069 | 11.0 | 19.6 |
|---|---|---|---|---|---|---|
| 12 7 | 6 41.41 | +20 8.3 | 2.161 | 3.083 | 7.7 | 19.4 |
| 12 17 | 6 33.57 | +20 13.0 | 2.131 | 3.098 | 4.1 | 19.2 |
| 12 27 | 6 24.88 | +20 19.3 | 2.130 | 3.113 | 1.0 | 19.0 |
| 1 6 | 6 16.27 | +20 26.4 | 2.159 | 3.127 | 3.8 | 19.2 |
| 1 16 | 6 8.65 | +20 33.9 | 2.217 | 3.142 | 7.3 | 19.4 |
| 1 26 | 6 2.77 | +20 41.7 | 2.302 | 3.157 | 10.4 | 19.7 |
| 2 5 | 5 59.08 | +20 49.9 | 2.410 | 3.171 | 13.0 | 19.9 |

**150194** 1998 $QB_{100}$ 12 27.3 109.°93 1.°6/27.1 18

| 11 27 | 6 55.80 | +26 28.2 | 1.645 | 2.499 | 14.0 | 20.6 |
|---|---|---|---|---|---|---|
| 12 7 | 6 47.62 | +26 50.8 | 1.594 | 2.518 | 9.8 | 20.4 |
| 12 17 | 6 36.94 | +27 10.6 | 1.568 | 2.536 | 5.2 | 20.1 |
| 12 27 | 6 24.96 | +27 23.8 | 1.571 | 2.553 | 1.6 | 19.9 |
| 1 6 | 6 13.20 | +27 28.7 | 1.603 | 2.570 | 5.0 | 20.2 |
| 1 16 | 6 3.04 | +27 25.7 | 1.663 | 2.586 | 9.4 | 20.5 |
| 1 26 | 5 55.55 | +27 17.2 | 1.748 | 2.602 | 13.2 | 20.8 |
| 2 5 | 5 51.26 | +27 6.1 | 1.854 | 2.617 | 16.3 | 21.0 |

**274281** 2008 $QK_2$ 12 27.3 155.°20 1.°3/27.1 18

| 11 27 | 6 54.10 | +26 5.4 | 1.922 | 2.771 | 12.5 | 21.2 |
|---|---|---|---|---|---|---|
| 12 7 | 6 46.32 | +26 29.4 | 1.858 | 2.779 | 8.8 | 21.0 |
| 12 17 | 6 36.27 | +26 51.6 | 1.820 | 2.786 | 4.7 | 20.7 |
| 12 27 | 6 24.97 | +27 8.6 | 1.811 | 2.793 | 1.3 | 20.5 |
| 1 6 | 6 13.68 | +27 18.4 | 1.832 | 2.799 | 4.6 | 20.7 |
| 1 16 | 6 3.66 | +27 21.1 | 1.882 | 2.804 | 8.6 | 21.0 |
| 1 26 | 5 55.91 | +27 18.3 | 1.959 | 2.808 | 12.2 | 21.2 |
| 2 5 | 5 51.02 | +27 12.2 | 2.057 | 2.812 | 15.2 | 21.5 |

**457082** 2008 $EE_{100}$ 12 27.3 261.°00 19.°4/25.5 17

| 11 27 | 7 18.55 | +60 23.1 | 1.194 | 1.970 | 22.9 | 21.1 |
|---|---|---|---|---|---|---|
| 12 7 | 7 8.43 | +62 33.1 | 1.146 | 1.964 | 21.1 | 21.0 |
| 12 17 | 6 49.79 | +64 4.8 | 1.114 | 1.957 | 19.8 | 20.9 |
| 12 27 | 6 25.31 | +64 36.7 | 1.101 | 1.951 | 19.4 | 20.8 |
| 1 6 | 6 0.65 | +63 58.8 | 1.105 | 1.944 | 20.1 | 20.9 |
| 1 16 | 5 41.49 | +62 18.3 | 1.127 | 1.937 | 21.8 | 20.9 |
| 1 26 | 5 30.84 | +59 55.3 | 1.165 | 1.930 | 23.8 | 21.1 |
| 2 5 | 5 28.58 | +57 10.8 | 1.217 | 1.923 | 26.0 | 21.2 |

**518322** 2017 $BQ_{87}$ 12 27.3 67.°89 3.°0/26.8 18

| 11 27 | 6 53.86 | +27 57.9 | 1.554 | 2.414 | 14.3 | 21.1 |
|---|---|---|---|---|---|---|
| 12 7 | 6 46.51 | +28 59.3 | 1.507 | 2.432 | 10.2 | 20.9 |
| 12 17 | 6 36.47 | +29 57.4 | 1.485 | 2.450 | 5.7 | 20.7 |
| 12 27 | 6 24.98 | +30 46.2 | 1.490 | 2.469 | 3.0 | 20.5 |
| 1 6 | 6 13.60 | +31 21.8 | 1.524 | 2.487 | 5.8 | 20.8 |
| 1 16 | 6 3.82 | +31 43.3 | 1.585 | 2.505 | 10.0 | 21.0 |
| 1 26 | 5 56.81 | +31 53.1 | 1.670 | 2.523 | 13.7 | 21.3 |
| 2 5 | 5 53.15 | +31 54.6 | 1.775 | 2.542 | 16.8 | 21.6 |

**51905** 2001 $QM_{51}$ 12 27.3 325.°04 3.°1/27.0 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.70 | +30 2.7 | 1.575 | 2.438 | 14.0 | 18.1 |
| 12 7 | 6 44.56 | +30 25.8 | 1.501 | 2.427 | 10.1 | 17.9 |
| 12 17 | 6 35.61 | +30 43.5 | 1.451 | 2.416 | 5.9 | 17.6 |
| 12 27 | 6 24.97 | +30 51.5 | 1.427 | 2.405 | 3.1 | 17.4 |
| 1 6 | 6 14.15 | +30 47.2 | 1.431 | 2.395 | 5.9 | 17.5 |
| 1 16 | 6 4.71 | +30 31.4 | 1.461 | 2.386 | 10.3 | 17.8 |
| 1 26 | 5 57.94 | +30 7.2 | 1.515 | 2.377 | 14.4 | 18.0 |
| 2 5 | 5 54.56 | +29 38.6 | 1.589 | 2.368 | 17.9 | 18.2 |

**114590** 2003 $BB_{86}$ 12 27.3 178.°16 2.°9/27.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.66 | +13 37.1 | 2.217 | 3.055 | 11.5 | 20.1 |
| 12 7 | 6 42.25 | +13 43.2 | 2.145 | 3.057 | 8.4 | 19.9 |
| 12 17 | 6 34.09 | +13 57.4 | 2.099 | 3.057 | 5.1 | 19.7 |
| 12 27 | 6 24.93 | +14 19.1 | 2.083 | 3.058 | 2.9 | 19.5 |
| 1 6 | 6 15.71 | +14 47.1 | 2.096 | 3.058 | 4.6 | 19.6 |
| 1 16 | 6 7.36 | +15 19.7 | 2.139 | 3.058 | 7.9 | 19.8 |
| 1 26 | 6 0.70 | +15 55.5 | 2.209 | 3.057 | 11.0 | 20.0 |
| 2 5 | 5 56.26 | +16 32.8 | 2.301 | 3.056 | 13.7 | 20.2 |

**141674** 2002 $JC_{105}$ 12 27.3 217.°25 3.°0/27.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.29 | +16 25.7 | 1.680 | 2.529 | 14.0 | 20.9 |
| 12 7 | 6 45.99 | +16 1.7 | 1.604 | 2.522 | 10.2 | 20.7 |
| 12 17 | 6 36.22 | +15 43.5 | 1.553 | 2.515 | 6.0 | 20.4 |
| 12 27 | 6 24.99 | +15 31.5 | 1.529 | 2.507 | 3.1 | 20.2 |
| 1 6 | 6 13.62 | +15 25.9 | 1.534 | 2.498 | 5.7 | 20.4 |
| 1 16 | 6 3.47 | +15 26.7 | 1.568 | 2.489 | 10.0 | 20.6 |
| 1 26 | 5 55.66 | +15 33.6 | 1.626 | 2.479 | 14.1 | 20.8 |
| 2 5 | 5 50.86 | +15 45.8 | 1.705 | 2.469 | 17.5 | 21.0 |

**273069** 2006 $DE_{197}$ 12 27.3 283.°72 2.°8/27.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.93 | +32 24.2 | 2.174 | 3.021 | 11.3 | 20.0 |
| 12 7 | 6 44.04 | +32 25.1 | 2.099 | 3.015 | 8.2 | 19.8 |
| 12 17 | 6 35.07 | +32 18.5 | 2.049 | 3.009 | 4.9 | 19.6 |
| 12 27 | 6 24.96 | +32 1.8 | 2.027 | 3.003 | 2.8 | 19.4 |
| 1 6 | 6 14.85 | +31 34.5 | 2.036 | 2.997 | 4.8 | 19.5 |
| 1 16 | 6 5.87 | +30 58.2 | 2.074 | 2.991 | 8.2 | 19.7 |
| 1 26 | 5 58.96 | +30 15.9 | 2.138 | 2.985 | 11.4 | 19.9 |
| 2 5 | 5 54.65 | +29 31.2 | 2.224 | 2.979 | 14.1 | 20.1 |

**91143** 1998 $MC_6$ 12 27.3 148.°28 0.°7/27.2 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.41 | +24 40.8 | 2.127 | 2.980 | 11.3 | 20.0 |
| 12 7 | 6 42.92 | +24 59.1 | 2.058 | 2.982 | 7.9 | 19.8 |
| 12 17 | 6 34.48 | +25 17.0 | 2.016 | 2.983 | 4.2 | 19.6 |
| 12 27 | 6 24.95 | +25 32.3 | 2.002 | 2.985 | 0.7 | 19.3 |
| 1 6 | 6 15.39 | +25 43.2 | 2.019 | 2.987 | 4.0 | 19.6 |
| 1 16 | 6 6.85 | +25 49.5 | 2.065 | 2.989 | 7.8 | 19.8 |
| 1 26 | 6 0.21 | +25 52.0 | 2.137 | 2.990 | 11.2 | 20.0 |
| 2 5 | 5 56.03 | +25 52.0 | 2.231 | 2.992 | 14.0 | 20.2 |

**110374** 2001 $SF_{332}$ 12 27.3 329.°02 4.°5/27.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 45.40 | + 8 55.9 | 2.333 | 3.163 | 11.3 | 19.6 |
| 12 7 | 6 39.90 | + 8 42.0 | 2.261 | 3.161 | 8.6 | 19.5 |
| 12 17 | 6 32.85 | + 8 38.6 | 2.215 | 3.159 | 6.0 | 19.3 |
| 12 27 | 6 24.93 | + 8 46.4 | 2.196 | 3.158 | 4.5 | 19.2 |
| 1 6 | 6 16.95 | + 9 5.3 | 2.207 | 3.156 | 5.6 | 19.3 |
| 1 16 | 6 9.74 | + 9 33.8 | 2.246 | 3.154 | 8.1 | 19.4 |
| 1 26 | 6 4.04 | +10 10.0 | 2.311 | 3.153 | 10.8 | 19.6 |
| 2 5 | 6 0.32 | +10 51.3 | 2.399 | 3.152 | 13.3 | 19.8 |

**412006** 2012 $MU$ 12 27.3 52.°72 1.°3/27.6 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.59 | +17 42.9 | 2.079 | 2.930 | 11.6 | 20.4 |
| 12 7 | 6 41.59 | +18 8.5 | 2.018 | 2.939 | 8.2 | 20.2 |
| 12 17 | 6 33.77 | +18 39.8 | 1.982 | 2.948 | 4.5 | 20.0 |
| 12 27 | 6 24.95 | +19 15.1 | 1.975 | 2.957 | 1.4 | 19.8 |
| 1 6 | 6 16.12 | +19 52.0 | 1.998 | 2.966 | 4.0 | 20.0 |
| 1 16 | 6 8.26 | +20 28.9 | 2.050 | 2.975 | 7.7 | 20.3 |
| 1 26 | 6 2.21 | +21 4.5 | 2.128 | 2.985 | 11.0 | 20.5 |
| 2 5 | 5 58.48 | +21 38.1 | 2.229 | 2.995 | 13.8 | 20.7 |

**187147** 2005 $QK_{169}$ 12 27.3 125.°87 0.°1/27.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.23 | +21 46.0 | 1.696 | 2.550 | 13.7 | 20.2 |
| 12 7 | 6 46.56 | +22 19.7 | 1.639 | 2.563 | 9.6 | 19.9 |
| 12 17 | 6 36.46 | +22 56.1 | 1.608 | 2.575 | 5.0 | 19.7 |
| 12 27 | 6 25.03 | +23 31.6 | 1.604 | 2.588 | 0.2 | 19.3 |
| 1 6 | 6 13.65 | +24 3.4 | 1.630 | 2.599 | 4.7 | 19.7 |
| 1 16 | 6 3.65 | +24 30.0 | 1.685 | 2.610 | 9.2 | 20.0 |
| 1 26 | 5 56.11 | +24 51.6 | 1.766 | 2.621 | 13.0 | 20.3 |
| 2 5 | 5 51.61 | +25 9.3 | 1.867 | 2.631 | 16.2 | 20.5 |

**387745** 2003 $JS_6$ 12 27.3 251.°43 1.°1/27.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.77 | +24 58.2 | 1.794 | 2.649 | 13.0 | 21.5 |
| 12 7 | 6 45.78 | +25 25.6 | 1.710 | 2.635 | 9.2 | 21.3 |
| 12 17 | 6 36.22 | +25 53.4 | 1.652 | 2.620 | 4.9 | 21.0 |
| 12 27 | 6 25.03 | +26 17.8 | 1.622 | 2.605 | 1.1 | 20.7 |
| 1 6 | 6 13.55 | +26 36.1 | 1.621 | 2.589 | 4.9 | 20.9 |
| 1 16 | 6 3.16 | +26 47.5 | 1.649 | 2.573 | 9.4 | 21.2 |
| 1 26 | 5 55.09 | +26 52.9 | 1.702 | 2.557 | 13.5 | 21.4 |
| 2 5 | 5 50.10 | +26 54.4 | 1.776 | 2.540 | 16.9 | 21.6 |

**292245** 2006 $SP_{75}$ 12 27.3 110.°65 3.°2/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.99 | +14 33.1 | 1.883 | 2.730 | 12.8 | 21.1 |
| 12 7 | 6 42.69 | +14 23.6 | 1.818 | 2.734 | 9.3 | 20.9 |
| 12 17 | 6 34.39 | +14 22.1 | 1.777 | 2.737 | 5.6 | 20.7 |
| 12 27 | 6 24.98 | +14 28.5 | 1.765 | 2.740 | 3.2 | 20.5 |
| 1 6 | 6 15.57 | +14 42.1 | 1.781 | 2.744 | 5.2 | 20.7 |
| 1 16 | 6 7.22 | +15 1.8 | 1.826 | 2.747 | 8.8 | 20.9 |
| 1 26 | 6 0.85 | +15 26.2 | 1.896 | 2.750 | 12.3 | 21.1 |
| 2 5 | 5 57.01 | +15 53.8 | 1.987 | 2.753 | 15.3 | 21.3 |

**122059** 2000 $GU_{153}$ 12 27.3 190.°57 1.°2/27.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.38 | +26 46.2 | 1.796 | 2.649 | 13.1 | 20.4 |
| 12 7 | 6 46.69 | +26 47.4 | 1.726 | 2.648 | 9.3 | 20.1 |
| 12 17 | 6 36.55 | +26 45.1 | 1.680 | 2.647 | 5.0 | 19.9 |
| 12 27 | 6 25.04 | +26 36.7 | 1.663 | 2.645 | 1.2 | 19.6 |
| 1 6 | 6 13.52 | +26 21.5 | 1.676 | 2.643 | 4.8 | 19.8 |
| 1 16 | 6 3.33 | +26 0.4 | 1.717 | 2.640 | 9.1 | 20.1 |
| 1 26 | 5 55.58 | +25 36.3 | 1.784 | 2.637 | 13.0 | 20.3 |
| 2 5 | 5 50.86 | +25 11.7 | 1.872 | 2.634 | 16.2 | 20.5 |

**100417** Philipglass 12 27.3 3.°53 2.°4/27.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.18 | +16 44.5 | 1.358 | 2.226 | 15.5 | 19.1 |
| 12 7 | 6 42.76 | +16 55.5 | 1.297 | 2.225 | 11.2 | 18.8 |
| 12 17 | 6 34.65 | +17 16.1 | 1.258 | 2.225 | 6.3 | 18.5 |
| 12 27 | 6 24.99 | +17 44.9 | 1.245 | 2.226 | 2.5 | 18.3 |
| 1 6 | 6 15.26 | +18 19.2 | 1.259 | 2.228 | 5.7 | 18.5 |
| 1 16 | 6 6.92 | +18 56.6 | 1.298 | 2.230 | 10.5 | 18.8 |
| 1 26 | 6 1.21 | +19 34.9 | 1.360 | 2.234 | 15.0 | 19.0 |
| 2 5 | 5 58.78 | +20 12.5 | 1.442 | 2.238 | 18.6 | 19.3 |

**4131** Stasik 12 27.3 61.°61 0.°7/27.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.95 | +26 46.8 | 2.157 | 3.009 | 11.2 | 16.5 |
| 12 7 | 6 43.14 | +26 26.5 | 2.095 | 3.018 | 7.9 | 16.3 |
| 12 17 | 6 34.52 | +26 2.6 | 2.060 | 3.028 | 4.1 | 16.0 |
| 12 27 | 6 24.99 | +25 34.4 | 2.054 | 3.037 | 0.7 | 15.8 |
| 1 6 | 6 15.62 | +25 2.2 | 2.079 | 3.047 | 3.9 | 16.1 |
| 1 16 | 6 7.38 | +24 27.7 | 2.132 | 3.057 | 7.6 | 16.3 |
| 1 26 | 6 1.09 | +23 53.0 | 2.213 | 3.067 | 10.8 | 16.5 |
| 2 5 | 5 57.20 | +23 20.1 | 2.316 | 3.077 | 13.5 | 16.7 |

**329426** 2002 $NH_{71}$ 12 27.3 150.°02 1.°0/27.3 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.42 | +20 55.4 | 2.380 | 3.228 | 10.5 | 21.0 |
| 12 7 | 6 41.98 | +20 34.3 | 2.310 | 3.231 | 7.4 | 20.8 |
| 12 17 | 6 33.91 | +20 14.2 | 2.267 | 3.234 | 3.9 | 20.6 |
| 12 27 | 6 24.98 | +19 54.9 | 2.254 | 3.236 | 1.0 | 20.4 |
| 1 6 | 6 16.09 | +19 36.6 | 2.271 | 3.239 | 3.7 | 20.6 |
| 1 16 | 6 8.12 | +19 20.0 | 2.319 | 3.241 | 7.1 | 20.8 |
| 1 26 | 6 1.79 | +19 5.7 | 2.393 | 3.243 | 10.2 | 21.0 |
| 2 5 | 5 57.59 | +18 54.3 | 2.490 | 3.245 | 12.8 | 21.2 |

**66335** 1999 $JZ_{61}$ 12 27.3 193.°11 1.°9/27.3 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.21 | +18 46.0 | 2.113 | 2.956 | 11.8 | 18.2 |
| 12 7 | 6 44.80 | +18 19.1 | 2.037 | 2.955 | 8.4 | 18.0 |
| 12 17 | 6 35.46 | +17 54.5 | 1.988 | 2.952 | 4.7 | 17.7 |
| 12 27 | 6 25.03 | +17 32.5 | 1.969 | 2.949 | 1.9 | 17.6 |
| 1 6 | 6 14.58 | +17 13.5 | 1.980 | 2.945 | 4.5 | 17.7 |
| 1 16 | 6 5.16 | +16 58.1 | 2.021 | 2.941 | 8.2 | 17.9 |
| 1 26 | 5 57.67 | +16 47.1 | 2.089 | 2.936 | 11.7 | 18.2 |
| 2 5 | 5 52.64 | +16 40.5 | 2.179 | 2.930 | 14.5 | 18.3 |

**392329** 2010 $ES_{89}$ 12 27.3 257.°86 2.°8/26.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.26 | +29 17.5 | 1.772 | 2.627 | 13.1 | 21.7 |
| 12 7 | 6 46.22 | +29 51.7 | 1.692 | 2.613 | 9.5 | 21.5 |
| 12 17 | 6 36.48 | +30 22.2 | 1.636 | 2.600 | 5.5 | 21.2 |
| 12 27 | 6 25.06 | +30 44.3 | 1.608 | 2.586 | 2.8 | 21.0 |
| 1 6 | 6 13.36 | +30 55.0 | 1.609 | 2.572 | 5.6 | 21.1 |
| 1 16 | 6 2.86 | +30 53.9 | 1.638 | 2.558 | 9.8 | 21.3 |
| 1 26 | 5 54.83 | +30 43.5 | 1.692 | 2.543 | 13.7 | 21.6 |
| 2 5 | 5 50.03 | +30 27.2 | 1.766 | 2.528 | 17.0 | 21.8 |

**457888** 2009 $SM_{354}$ 12 27.3 347.°83 5.°5/26.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.79 | +36 2.8 | 1.805 | 2.656 | 13.1 | 21.0 |
| 12 7 | 6 44.52 | +37 0.9 | 1.739 | 2.651 | 9.9 | 20.8 |
| 12 17 | 6 35.58 | +37 50.0 | 1.696 | 2.647 | 6.9 | 20.6 |
| 12 27 | 6 25.03 | +38 23.9 | 1.681 | 2.643 | 5.6 | 20.5 |
| 1 6 | 6 14.33 | +38 39.0 | 1.693 | 2.640 | 7.2 | 20.6 |
| 1 16 | 6 4.93 | +38 35.4 | 1.732 | 2.637 | 10.4 | 20.8 |
| 1 26 | 5 58.10 | +38 16.6 | 1.795 | 2.635 | 13.6 | 21.0 |
| 2 5 | 5 54.50 | +37 47.5 | 1.878 | 2.633 | 16.4 | 21.2 |

**343777** 2011 $GL$ 12 27.3 111.°55 0.°1/27.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.37 | +22 34.4 | 1.812 | 2.662 | 13.1 | 21.0 |
| 12 7 | 6 46.44 | +22 54.2 | 1.761 | 2.683 | 9.1 | 20.8 |
| 12 17 | 6 36.31 | +23 15.1 | 1.736 | 2.703 | 4.7 | 20.6 |
| 12 27 | 6 25.06 | +23 34.2 | 1.739 | 2.723 | 0.2 | 20.2 |
| 1 6 | 6 13.98 | +23 49.7 | 1.773 | 2.742 | 4.4 | 20.6 |
| 1 16 | 6 4.29 | +24 1.1 | 1.836 | 2.760 | 8.6 | 20.9 |
| 1 26 | 5 56.95 | +24 9.4 | 1.925 | 2.777 | 12.2 | 21.2 |
| 2 5 | 5 52.45 | +24 15.6 | 2.035 | 2.794 | 15.2 | 21.4 |

**427784** 2005 $EL_{56}$ 12 27.3 206.°10 3.°2/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.06 | +15 2.9 | 1.721 | 2.567 | 13.9 | 22.2 |
| 12 7 | 6 45.80 | +14 54.1 | 1.647 | 2.562 | 10.1 | 22.0 |
| 12 17 | 6 36.14 | +14 53.3 | 1.596 | 2.557 | 6.0 | 21.7 |
| 12 27 | 6 25.06 | +15 0.4 | 1.574 | 2.551 | 3.2 | 21.5 |
| 1 6 | 6 13.84 | +15 14.5 | 1.581 | 2.545 | 5.6 | 21.7 |
| 1 16 | 6 3.77 | +15 34.6 | 1.617 | 2.538 | 9.8 | 21.9 |
| 1 26 | 5 55.98 | +15 59.4 | 1.677 | 2.530 | 13.7 | 22.1 |
| 2 5 | 5 51.12 | +16 27.5 | 1.759 | 2.521 | 17.1 | 22.3 |

**523447** 2017 $FZ_{14}$ 12 27.3 340.°82 1.°1/27.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.60 | +19 51.7 | 1.963 | 2.817 | 12.1 | 21.8 |
| 12 7 | 6 42.45 | +19 54.3 | 1.893 | 2.816 | 8.5 | 21.6 |
| 12 17 | 6 34.29 | +20 0.3 | 1.848 | 2.815 | 4.6 | 21.4 |
| 12 27 | 6 25.01 | +20 8.5 | 1.832 | 2.814 | 1.1 | 21.1 |
| 1 6 | 6 15.68 | +20 17.9 | 1.845 | 2.814 | 4.3 | 21.4 |
| 1 16 | 6 7.37 | +20 27.9 | 1.887 | 2.813 | 8.2 | 21.6 |
| 1 26 | 6 1.02 | +20 38.4 | 1.955 | 2.813 | 11.8 | 21.8 |
| 2 5 | 5 57.18 | +20 49.4 | 2.044 | 2.812 | 14.8 | 22.0 |

**369242** 2008 $WH_{69}$ 12 27.3 81.°19 1.°7/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.19 | +19 17.3 | 2.373 | 3.217 | 10.6 | 20.6 |
| 12 7 | 6 42.35 | +18 45.4 | 2.321 | 3.239 | 7.5 | 20.4 |
| 12 17 | 6 34.02 | +18 15.5 | 2.297 | 3.261 | 4.1 | 20.2 |
| 12 27 | 6 25.00 | +17 48.3 | 2.303 | 3.283 | 1.7 | 20.1 |
| 1 6 | 6 16.17 | +17 24.2 | 2.340 | 3.305 | 3.9 | 20.3 |
| 1 16 | 6 8.36 | +17 4.0 | 2.406 | 3.326 | 7.1 | 20.5 |
| 1 26 | 6 2.23 | +16 48.1 | 2.500 | 3.347 | 9.9 | 20.8 |
| 2 5 | 5 58.18 | +16 36.6 | 2.617 | 3.368 | 12.3 | 21.0 |

**167718** 2004 $TA_{274}$ 12 27.3 124.°20 0.°6/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.47 | +24 18.8 | 1.512 | 2.367 | 14.9 | 21.4 |
| 12 7 | 6 48.96 | +24 31.8 | 1.460 | 2.384 | 10.5 | 21.2 |
| 12 17 | 6 37.74 | +24 43.8 | 1.432 | 2.400 | 5.5 | 20.9 |
| 12 27 | 6 25.10 | +24 51.7 | 1.432 | 2.415 | 0.6 | 20.6 |
| 1 6 | 6 12.68 | +24 53.8 | 1.460 | 2.429 | 5.1 | 21.0 |
| 1 16 | 6 1.99 | +24 50.6 | 1.517 | 2.443 | 9.9 | 21.3 |
| 1 26 | 5 54.17 | +24 44.1 | 1.599 | 2.455 | 14.1 | 21.6 |
| 2 5 | 5 49.77 | +24 36.8 | 1.701 | 2.467 | 17.4 | 21.8 |

**4518** Raikin 12 27.3 192.°38 4.°2/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.67 | +12 33.2 | 1.702 | 2.545 | 14.1 | 17.7 |
| 12 7 | 6 44.78 | +12 20.8 | 1.632 | 2.544 | 10.5 | 17.5 |
| 12 17 | 6 35.58 | +12 18.9 | 1.586 | 2.543 | 6.6 | 17.2 |
| 12 27 | 6 25.05 | +12 28.1 | 1.568 | 2.541 | 4.2 | 17.1 |
| 1 6 | 6 14.43 | +12 47.5 | 1.579 | 2.539 | 6.1 | 17.2 |
| 1 16 | 6 4.97 | +13 15.6 | 1.617 | 2.536 | 10.0 | 17.4 |
| 1 26 | 5 57.74 | +13 50.3 | 1.681 | 2.533 | 13.7 | 17.6 |
| 2 5 | 5 53.36 | +14 29.1 | 1.765 | 2.529 | 16.9 | 17.8 |

**167293** 2003 $UN_{205}$ 12 27.3 100.°66 3.°9/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.31 | +32 41.1 | 1.876 | 2.722 | 12.9 | 20.2 |
| 12 7 | 6 47.25 | +33 24.6 | 1.827 | 2.742 | 9.4 | 20.0 |
| 12 17 | 6 36.79 | +34 0.0 | 1.803 | 2.761 | 5.8 | 19.8 |
| 12 27 | 6 25.08 | +34 22.7 | 1.809 | 2.780 | 3.9 | 19.8 |
| 1 6 | 6 13.54 | +34 30.4 | 1.843 | 2.799 | 5.8 | 19.9 |
| 1 16 | 6 3.49 | +34 24.1 | 1.906 | 2.817 | 9.2 | 20.2 |
| 1 26 | 5 55.97 | +34 7.2 | 1.994 | 2.834 | 12.4 | 20.4 |
| 2 5 | 5 51.50 | +33 43.9 | 2.103 | 2.852 | 15.1 | 20.6 |

**190942** 2001 $VP_{40}$ 12 27.3 0.°27 1.°8/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.36 | +26 31.7 | 1.119 | 2.002 | 17.0 | 19.4 |
| 12 7 | 6 44.14 | +26 45.6 | 1.062 | 1.999 | 12.1 | 19.1 |
| 12 17 | 6 35.57 | +26 57.0 | 1.026 | 1.997 | 6.5 | 18.8 |
| 12 27 | 6 25.06 | +27 1.9 | 1.014 | 1.996 | 1.8 | 18.5 |
| 1 6 | 6 14.51 | +26 58.1 | 1.026 | 1.997 | 6.3 | 18.7 |
| 1 16 | 6 5.83 | +26 46.3 | 1.063 | 1.999 | 11.9 | 19.1 |
| 1 26 | 6 0.47 | +26 29.5 | 1.120 | 2.003 | 16.8 | 19.3 |
| 2 5 | 5 59.08 | +26 10.8 | 1.196 | 2.007 | 20.8 | 19.6 |

**407412** 2010 $TR_{89}$ 12 27.3 343.°07 2.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.57 | +17 24.6 | 1.788 | 2.643 | 13.0 | 21.2 |
| 12 7 | 6 42.57 | +17 24.6 | 1.718 | 2.641 | 9.3 | 21.0 |
| 12 17 | 6 34.42 | +17 30.7 | 1.674 | 2.639 | 5.2 | 20.8 |
| 12 27 | 6 25.03 | +17 42.2 | 1.657 | 2.637 | 2.1 | 20.5 |
| 1 6 | 6 15.57 | +17 57.9 | 1.668 | 2.635 | 4.8 | 20.7 |
| 1 16 | 6 7.20 | +18 16.7 | 1.708 | 2.634 | 8.9 | 21.0 |
| 1 26 | 6 0.91 | +18 37.6 | 1.772 | 2.633 | 12.7 | 21.2 |
| 2 5 | 5 57.31 | +19 0.0 | 1.858 | 2.632 | 15.9 | 21.4 |

**335267** 2005 $NV_8$ 12 27.3 181.°12 0.°2/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.58 | +23 44.9 | 1.966 | 2.813 | 12.3 | 22.8 |
| 12 7 | 6 46.65 | +23 47.7 | 1.895 | 2.815 | 8.7 | 22.5 |
| 12 17 | 6 36.50 | +23 49.8 | 1.849 | 2.816 | 4.6 | 22.3 |
| 12 27 | 6 25.09 | +23 49.3 | 1.833 | 2.816 | 0.2 | 21.9 |
| 1 6 | 6 13.67 | +23 45.2 | 1.847 | 2.816 | 4.3 | 22.3 |
| 1 16 | 6 3.44 | +23 37.9 | 1.891 | 2.814 | 8.5 | 22.5 |
| 1 26 | 5 55.41 | +23 28.7 | 1.962 | 2.811 | 12.2 | 22.7 |
| 2 5 | 5 50.16 | +23 19.4 | 2.055 | 2.808 | 15.2 | 22.9 |

**292932** 2006 $VZ_{72}$ 12 27.3 317.°68 3.°1/27.3 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.22 | +16 55.3 | 1.770 | 2.624 | 13.2 | 20.4 |
| 12 7 | 6 43.02 | +16 13.4 | 1.697 | 2.617 | 9.6 | 20.2 |
| 12 17 | 6 34.65 | +15 35.8 | 1.648 | 2.611 | 5.7 | 19.9 |
| 12 27 | 6 25.05 | +15 3.9 | 1.628 | 2.605 | 3.1 | 19.7 |
| 1 6 | 6 15.41 | +14 38.9 | 1.635 | 2.599 | 5.5 | 19.9 |
| 1 16 | 6 6.88 | +14 21.7 | 1.671 | 2.593 | 9.5 | 20.1 |
| 1 26 | 6 0.47 | +14 12.7 | 1.731 | 2.587 | 13.2 | 20.3 |
| 2 5 | 5 56.76 | +14 10.9 | 1.813 | 2.582 | 16.4 | 20.5 |

**107818** 2001 $FX_{61}$ 12 27.3 119.°63 5.°7/28.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.92 | + 4 37.7 | 2.268 | 3.076 | 12.3 | 20.0 |
| 12 7 | 6 42.93 | + 4 24.5 | 2.215 | 3.096 | 9.6 | 19.8 |
| 12 17 | 6 34.39 | + 4 25.2 | 2.187 | 3.116 | 7.1 | 19.7 |
| 12 27 | 6 25.06 | + 4 40.8 | 2.188 | 3.136 | 5.8 | 19.6 |
| 1 6 | 6 15.84 | + 5 10.2 | 2.218 | 3.154 | 6.5 | 19.7 |
| 1 16 | 6 7.57 | + 5 51.5 | 2.278 | 3.172 | 8.7 | 19.9 |
| 1 26 | 6 0.98 | + 6 41.6 | 2.364 | 3.190 | 11.2 | 20.1 |
| 2 5 | 5 56.49 | + 7 37.0 | 2.472 | 3.206 | 13.4 | 20.3 |

**239479** 2007 $UX_{35}$ 12 27.3 130.°44 0.°8/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.29 | +24 8.7 | 1.891 | 2.744 | 12.5 | 20.9 |
| 12 7 | 6 45.10 | +24 36.7 | 1.830 | 2.753 | 8.8 | 20.7 |
| 12 17 | 6 35.71 | +25 4.9 | 1.794 | 2.762 | 4.6 | 20.5 |
| 12 27 | 6 25.10 | +25 30.2 | 1.787 | 2.770 | 0.8 | 20.2 |
| 1 6 | 6 14.50 | +25 50.3 | 1.810 | 2.778 | 4.4 | 20.5 |
| 1 16 | 6 5.11 | +26 4.6 | 1.862 | 2.786 | 8.5 | 20.8 |
| 1 26 | 5 57.93 | +26 13.8 | 1.940 | 2.793 | 12.1 | 21.0 |
| 2 5 | 5 53.52 | +26 19.6 | 2.039 | 2.800 | 15.1 | 21.2 |

**10009** Hirosetanso 12 27.3 28.°65 1.°8/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.92 | +27 27.4 | 1.296 | 2.167 | 15.9 | 17.2 |
| 12 7 | 6 46.22 | +27 29.2 | 1.242 | 2.172 | 11.3 | 17.0 |
| 12 17 | 6 36.49 | +27 26.3 | 1.209 | 2.178 | 6.1 | 16.7 |
| 12 27 | 6 25.12 | +27 15.7 | 1.202 | 2.185 | 1.8 | 16.4 |
| 1 6 | 6 13.90 | +26 56.5 | 1.222 | 2.192 | 5.8 | 16.7 |
| 1 16 | 6 4.50 | +26 30.6 | 1.268 | 2.199 | 10.9 | 17.0 |
| 1 26 | 5 58.22 | +26 1.7 | 1.336 | 2.207 | 15.4 | 17.3 |
| 2 5 | 5 55.60 | +25 33.0 | 1.424 | 2.215 | 19.0 | 17.6 |

**415438** 2013 $RW_{57}$ 12 27.3 253.°35 0.°1/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.96 | +22 56.0 | 2.396 | 3.246 | 10.3 | 20.9 |
| 12 7 | 6 41.81 | +22 54.3 | 2.316 | 3.238 | 7.3 | 20.7 |
| 12 17 | 6 33.93 | +22 52.7 | 2.262 | 3.229 | 3.8 | 20.5 |
| 12 27 | 6 25.06 | +22 50.2 | 2.237 | 3.221 | 0.2 | 20.1 |
| 1 6 | 6 16.12 | +22 46.3 | 2.243 | 3.212 | 3.6 | 20.4 |
| 1 16 | 6 8.00 | +22 40.9 | 2.279 | 3.203 | 7.2 | 20.6 |
| 1 26 | 6 1.52 | +22 34.8 | 2.342 | 3.194 | 10.3 | 20.8 |
| 2 5 | 5 57.20 | +22 28.8 | 2.427 | 3.185 | 13.0 | 21.0 |

**80647** 2000 $AX_{238}$ 12 27.3 250.°79 2.°2/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.14 | +15 8.7 | 1.954 | 2.798 | 12.5 | 19.6 |
| 12 7 | 6 43.69 | +15 39.1 | 1.871 | 2.787 | 9.1 | 19.4 |
| 12 17 | 6 35.07 | +16 18.9 | 1.814 | 2.776 | 5.2 | 19.1 |
| 12 27 | 6 25.10 | +17 6.5 | 1.785 | 2.765 | 2.2 | 18.9 |
| 1 6 | 6 14.88 | +17 58.9 | 1.787 | 2.753 | 4.7 | 19.1 |
| 1 16 | 6 5.54 | +18 53.3 | 1.818 | 2.742 | 8.7 | 19.3 |
| 1 26 | 5 58.12 | +19 47.4 | 1.875 | 2.729 | 12.4 | 19.5 |
| 2 5 | 5 53.30 | +20 39.7 | 1.954 | 2.717 | 15.6 | 19.7 |

**401459** 2013 $CG_{164}$ 12 27.3 227.°35 1.°1/27.2 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.32 | +26 21.2 | 2.093 | 2.944 | 11.6 | 21.7 |
| 12 7 | 6 44.40 | +26 31.6 | 2.015 | 2.937 | 8.2 | 21.4 |
| 12 17 | 6 35.37 | +26 39.8 | 1.962 | 2.929 | 4.4 | 21.2 |
| 12 27 | 6 25.11 | +26 43.5 | 1.939 | 2.921 | 1.1 | 20.9 |
| 1 6 | 6 14.73 | +26 41.3 | 1.945 | 2.913 | 4.3 | 21.1 |
| 1 16 | 6 5.39 | +26 33.5 | 1.981 | 2.904 | 8.2 | 21.4 |
| 1 26 | 5 58.05 | +26 21.7 | 2.044 | 2.895 | 11.7 | 21.6 |
| 2 5 | 5 53.33 | +26 7.9 | 2.128 | 2.886 | 14.6 | 21.8 |

**227093** 2005 $MZ_{25}$ 12 27.3 126.°86 1.°3/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.12 | +19 16.7 | 1.715 | 2.565 | 13.7 | 21.4 |
| 12 7 | 6 46.39 | +19 25.5 | 1.659 | 2.580 | 9.7 | 21.2 |
| 12 17 | 6 36.37 | +19 38.5 | 1.628 | 2.594 | 5.2 | 21.0 |
| 12 27 | 6 25.14 | +19 54.1 | 1.625 | 2.607 | 1.3 | 20.7 |
| 1 6 | 6 14.01 | +20 10.4 | 1.652 | 2.620 | 4.7 | 21.0 |
| 1 16 | 6 4.25 | +20 26.5 | 1.707 | 2.632 | 9.1 | 21.3 |
| 1 26 | 5 56.89 | +20 42.3 | 1.789 | 2.644 | 12.9 | 21.5 |
| 2 5 | 5 52.45 | +20 58.1 | 1.891 | 2.655 | 16.0 | 21.8 |

**112371** 2002 $NV_{20}$ 12 27.3 153.°80 3.°5/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.11 | +14 13.4 | 1.711 | 2.555 | 14.0 | 20.3 |
| 12 7 | 6 45.72 | +14 1.9 | 1.648 | 2.563 | 10.2 | 20.1 |
| 12 17 | 6 36.06 | +13 59.2 | 1.610 | 2.569 | 6.2 | 19.9 |
| 12 27 | 6 25.14 | +14 5.3 | 1.600 | 2.575 | 3.5 | 19.7 |
| 1 6 | 6 14.25 | +14 19.3 | 1.619 | 2.581 | 5.7 | 19.9 |
| 1 16 | 6 4.63 | +14 40.0 | 1.666 | 2.586 | 9.6 | 20.1 |
| 1 26 | 5 57.29 | +15 5.8 | 1.738 | 2.590 | 13.4 | 20.3 |
| 2 5 | 5 52.81 | +15 35.2 | 1.831 | 2.594 | 16.5 | 20.6 |

**21880** 1999 $UF_{14}$ 12 27.3 173.°89 2.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.69 | +17 3.3 | 1.974 | 2.821 | 12.3 | 18.7 |
| 12 7 | 6 43.89 | +17 2.0 | 1.905 | 2.823 | 8.8 | 18.5 |
| 12 17 | 6 35.07 | +17 6.3 | 1.861 | 2.824 | 5.0 | 18.2 |
| 12 27 | 6 25.13 | +17 15.4 | 1.846 | 2.826 | 2.1 | 18.0 |
| 1 6 | 6 15.14 | +17 28.4 | 1.861 | 2.826 | 4.6 | 18.2 |
| 1 16 | 6 6.20 | +17 44.4 | 1.904 | 2.827 | 8.4 | 18.4 |
| 1 26 | 5 59.23 | +18 2.7 | 1.974 | 2.827 | 12.0 | 18.7 |
| 2 5 | 5 54.78 | +18 22.6 | 2.066 | 2.827 | 14.9 | 18.9 |

**306360** 2011 $SB_{206}$ 12 27.3 114.°86 5.°4/26.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.98 | +36 51.1 | 1.910 | 2.749 | 13.0 | 21.3 |
| 12 7 | 6 47.92 | +37 45.5 | 1.856 | 2.761 | 9.8 | 21.1 |
| 12 17 | 6 37.27 | +38 28.8 | 1.827 | 2.774 | 6.8 | 20.9 |
| 12 27 | 6 25.19 | +38 55.4 | 1.826 | 2.786 | 5.4 | 20.9 |
| 1 6 | 6 13.18 | +39 2.4 | 1.854 | 2.798 | 7.0 | 21.0 |
| 1 16 | 6 2.66 | +38 51.1 | 1.910 | 2.809 | 9.9 | 21.2 |
| 1 26 | 5 54.79 | +38 25.7 | 1.990 | 2.820 | 12.8 | 21.4 |
| 2 5 | 5 50.14 | +37 51.6 | 2.091 | 2.831 | 15.4 | 21.6 |

**466972** 2016 $BQ_8$ 12 27.3 4.°10 3.°4/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.98 | +32 58.7 | 1.721 | 2.579 | 13.3 | 20.0 |
| 12 7 | 6 43.75 | +32 56.2 | 1.657 | 2.579 | 9.7 | 19.8 |
| 12 17 | 6 35.09 | +32 44.2 | 1.618 | 2.579 | 5.8 | 19.6 |
| 12 27 | 6 25.13 | +32 20.1 | 1.605 | 2.581 | 3.4 | 19.4 |
| 1 6 | 6 15.28 | +31 43.5 | 1.621 | 2.583 | 5.6 | 19.6 |
| 1 16 | 6 6.87 | +30 57.1 | 1.663 | 2.587 | 9.4 | 19.8 |
| 1 26 | 6 0.95 | +30 5.0 | 1.731 | 2.591 | 13.0 | 20.0 |
| 2 5 | 5 58.06 | +29 11.6 | 1.819 | 2.596 | 16.1 | 20.2 |

**23575** 1995 $BE_2$ 12 27.3 263.°52 3.°3/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 46.95 | +12 12.2 | 2.243 | 3.080 | 11.4 | 18.8 |
| 12 7 | 6 41.15 | +12 19.9 | 2.166 | 3.075 | 8.4 | 18.6 |
| 12 17 | 6 33.63 | +12 36.8 | 2.114 | 3.070 | 5.3 | 18.4 |
| 12 27 | 6 25.10 | +13 2.8 | 2.092 | 3.064 | 3.3 | 18.3 |
| 1 6 | 6 16.47 | +13 36.5 | 2.099 | 3.059 | 4.8 | 18.3 |
| 1 16 | 6 8.62 | +14 16.1 | 2.135 | 3.054 | 7.9 | 18.5 |
| 1 26 | 6 2.38 | +14 59.6 | 2.198 | 3.048 | 11.0 | 18.7 |
| 2 5 | 5 58.27 | +15 45.0 | 2.284 | 3.043 | 13.7 | 18.9 |

**438230** 2005 $UC_{482}$ 12 27.3 79.°37 0.°6/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.23 | +25 12.4 | 1.442 | 2.303 | 15.2 | 20.7 |
| 12 7 | 6 47.43 | +25 4.3 | 1.394 | 2.321 | 10.6 | 20.5 |
| 12 17 | 6 36.97 | +24 53.8 | 1.369 | 2.338 | 5.5 | 20.3 |
| 12 27 | 6 25.20 | +24 39.0 | 1.372 | 2.356 | 0.6 | 20.0 |
| 1 6 | 6 13.74 | +24 19.6 | 1.403 | 2.373 | 5.1 | 20.3 |
| 1 16 | 6 4.07 | +23 57.4 | 1.462 | 2.390 | 10.0 | 20.7 |
| 1 26 | 5 57.28 | +23 34.9 | 1.544 | 2.407 | 14.1 | 21.0 |
| 2 5 | 5 53.84 | +23 14.3 | 1.647 | 2.424 | 17.5 | 21.2 |

**211263** 2002 $RD_{38}$ 12 27.3 48.°84 0.°8/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.80 | +20 36.8 | 1.410 | 2.276 | 15.2 | 19.8 |
| 12 7 | 6 44.97 | +20 50.9 | 1.371 | 2.300 | 10.6 | 19.6 |
| 12 17 | 6 35.67 | +21 8.9 | 1.356 | 2.325 | 5.6 | 19.3 |
| 12 27 | 6 25.16 | +21 28.2 | 1.367 | 2.350 | 0.8 | 19.1 |
| 1 6 | 6 14.96 | +21 46.7 | 1.405 | 2.375 | 5.0 | 19.4 |
| 1 16 | 6 6.42 | +22 3.5 | 1.470 | 2.401 | 9.7 | 19.8 |
| 1 26 | 6 0.57 | +22 18.5 | 1.559 | 2.427 | 13.7 | 20.1 |
| 2 5 | 5 57.87 | +22 32.2 | 1.669 | 2.453 | 17.0 | 20.4 |

**171514** 1998 $SG_{23}$ 12 27.3 123.°86 5.°6/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.71 | + 6 21.6 | 2.088 | 2.907 | 12.8 | 20.1 |
| 12 7 | 6 42.97 | + 6 6.3 | 2.031 | 2.921 | 9.9 | 19.9 |
| 12 17 | 6 34.50 | + 6 4.7 | 1.999 | 2.935 | 7.2 | 19.8 |
| 12 27 | 6 25.14 | + 6 17.8 | 1.995 | 2.949 | 5.6 | 19.7 |
| 1 6 | 6 15.84 | + 6 44.7 | 2.019 | 2.962 | 6.6 | 19.8 |
| 1 16 | 6 7.54 | + 7 23.4 | 2.073 | 2.975 | 9.1 | 20.0 |
| 1 26 | 6 1.02 | + 8 11.0 | 2.152 | 2.987 | 11.8 | 20.2 |
| 2 5 | 5 56.77 | + 9 3.9 | 2.253 | 2.998 | 14.3 | 20.4 |

**435470** 2008 $FM_{68}$ 12 27.3 229.°92 2.°8/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.37 | +16 20.8 | 1.603 | 2.456 | 14.4 | 21.8 |
| 12 7 | 6 45.52 | +16 13.1 | 1.529 | 2.449 | 10.4 | 21.5 |
| 12 17 | 6 36.13 | +16 12.8 | 1.479 | 2.442 | 6.1 | 21.3 |
| 12 27 | 6 25.20 | +16 19.5 | 1.456 | 2.435 | 2.8 | 21.0 |
| 1 6 | 6 14.10 | +16 32.4 | 1.461 | 2.427 | 5.6 | 21.2 |
| 1 16 | 6 4.22 | +16 50.2 | 1.494 | 2.419 | 10.1 | 21.4 |
| 1 26 | 5 56.74 | +17 12.1 | 1.552 | 2.411 | 14.3 | 21.7 |
| 2 5 | 5 52.35 | +17 36.9 | 1.629 | 2.402 | 17.8 | 21.9 |

**68214** 2001 $CF_{23}$ 12 27.3 263.°85 2.°2/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.82 | +30 11.9 | 2.123 | 2.973 | 11.5 | 19.4 |
| 12 7 | 6 44.01 | +30 14.0 | 2.052 | 2.972 | 8.2 | 19.2 |
| 12 17 | 6 35.15 | +30 10.3 | 2.007 | 2.971 | 4.7 | 19.0 |
| 12 27 | 6 25.18 | +29 58.7 | 1.990 | 2.969 | 2.2 | 18.8 |
| 1 6 | 6 15.22 | +29 38.3 | 2.004 | 2.968 | 4.5 | 19.0 |
| 1 16 | 6 6.40 | +29 10.6 | 2.046 | 2.967 | 8.1 | 19.2 |
| 1 26 | 5 59.62 | +28 38.0 | 2.115 | 2.965 | 11.4 | 19.4 |
| 2 5 | 5 55.43 | +28 3.7 | 2.206 | 2.964 | 14.1 | 19.6 |

**7141** Bettarini 12 27.3 262.°91 3.°9/26.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.96 | +32 22.4 | 2.021 | 2.870 | 12.0 | 18.0 |
| 12 7 | 6 45.15 | +33 12.9 | 1.945 | 2.861 | 8.8 | 17.8 |
| 12 17 | 6 35.92 | +33 58.0 | 1.894 | 2.852 | 5.6 | 17.6 |
| 12 27 | 6 25.21 | +34 32.8 | 1.871 | 2.842 | 3.9 | 17.5 |
| 1 6 | 6 14.26 | +34 53.8 | 1.878 | 2.833 | 5.8 | 17.6 |
| 1 16 | 6 4.38 | +35 0.6 | 1.913 | 2.823 | 9.2 | 17.8 |
| 1 26 | 5 56.73 | +34 55.2 | 1.973 | 2.814 | 12.5 | 18.0 |
| 2 5 | 5 51.99 | +34 41.5 | 2.055 | 2.804 | 15.3 | 18.1 |

**89033** 2001 $TO_{106}$ 12 27.3 29.°32 2.°0/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.02 | +27 0.5 | 1.181 | 2.058 | 16.7 | 18.1 |
| 12 7 | 6 45.75 | +27 17.7 | 1.134 | 2.068 | 11.8 | 17.9 |
| 12 17 | 6 36.33 | +27 31.4 | 1.109 | 2.079 | 6.4 | 17.6 |
| 12 27 | 6 25.21 | +27 37.5 | 1.109 | 2.091 | 2.0 | 17.4 |
| 1 6 | 6 14.31 | +27 34.1 | 1.134 | 2.103 | 6.1 | 17.7 |
| 1 16 | 6 5.37 | +27 22.2 | 1.184 | 2.117 | 11.3 | 18.0 |
| 1 26 | 5 59.70 | +27 5.1 | 1.256 | 2.132 | 15.8 | 18.3 |
| 2 5 | 5 57.81 | +26 46.1 | 1.347 | 2.147 | 19.5 | 18.6 |

**60674** 2000 $GN_{10}$ 12 27.3 274.°95 2.°8/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 46.67 | +14 23.4 | 2.306 | 3.147 | 11.0 | 19.9 |
| 12 7 | 6 40.95 | +14 14.6 | 2.224 | 3.137 | 8.0 | 19.7 |
| 12 17 | 6 33.54 | +14 12.5 | 2.168 | 3.126 | 4.9 | 19.5 |
| 12 27 | 6 25.14 | +14 17.1 | 2.140 | 3.115 | 2.8 | 19.3 |
| 1 6 | 6 16.62 | +14 28.1 | 2.143 | 3.105 | 4.6 | 19.4 |
| 1 16 | 6 8.86 | +14 44.7 | 2.175 | 3.094 | 7.7 | 19.6 |
| 1 26 | 6 2.66 | +15 5.9 | 2.233 | 3.083 | 10.9 | 19.8 |
| 2 5 | 5 58.57 | +15 30.4 | 2.314 | 3.072 | 13.6 | 19.9 |

**486183** 2013 $AN_{21}$ 12 27.3 212.°02 0.°5/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.25 | +19 29.3 | 1.813 | 2.666 | 13.0 | 20.6 |
| 12 7 | 6 44.58 | +20 14.1 | 1.741 | 2.664 | 9.2 | 20.3 |
| 12 17 | 6 35.60 | +21 5.2 | 1.695 | 2.662 | 4.9 | 20.1 |
| 12 27 | 6 25.20 | +21 59.0 | 1.677 | 2.660 | 0.5 | 19.7 |
| 1 6 | 6 14.62 | +22 51.9 | 1.689 | 2.658 | 4.5 | 20.1 |
| 1 16 | 6 5.11 | +23 41.0 | 1.730 | 2.656 | 8.9 | 20.3 |
| 1 26 | 5 57.76 | +24 25.1 | 1.797 | 2.654 | 12.7 | 20.5 |
| 2 5 | 5 53.25 | +25 4.1 | 1.885 | 2.651 | 16.0 | 20.8 |

**44176** 1998 $KT_{30}$ 12 27.3 268.°05 2.°1/27.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.28 | +27 24.6 | 1.711 | 2.569 | 13.3 | 19.4 |
| 12 7 | 6 45.55 | +27 56.8 | 1.636 | 2.561 | 9.5 | 19.1 |
| 12 17 | 6 36.18 | +28 27.0 | 1.586 | 2.553 | 5.3 | 18.9 |
| 12 27 | 6 25.22 | +28 50.8 | 1.564 | 2.544 | 2.1 | 18.6 |
| 1 6 | 6 14.05 | +29 5.5 | 1.570 | 2.536 | 5.3 | 18.8 |
| 1 16 | 6 4.12 | +29 10.4 | 1.604 | 2.528 | 9.6 | 19.1 |
| 1 26 | 5 56.65 | +29 7.4 | 1.663 | 2.519 | 13.6 | 19.3 |
| 2 5 | 5 52.37 | +28 59.4 | 1.742 | 2.511 | 17.0 | 19.5 |

**8413** Kawakami 12 27.3 192.°69 3.°0/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.18 | +29 9.8 | 1.656 | 2.510 | 14.0 | 17.5 |
| 12 7 | 6 48.35 | +29 51.5 | 1.587 | 2.509 | 10.0 | 17.2 |
| 12 17 | 6 37.66 | +30 29.2 | 1.543 | 2.507 | 5.8 | 17.0 |
| 12 27 | 6 25.26 | +30 57.4 | 1.527 | 2.505 | 3.0 | 16.8 |
| 1 6 | 6 12.71 | +31 12.7 | 1.539 | 2.502 | 5.8 | 17.0 |
| 1 16 | 6 1.60 | +31 14.9 | 1.580 | 2.499 | 10.1 | 17.2 |
| 1 26 | 5 53.22 | +31 6.9 | 1.645 | 2.495 | 14.1 | 17.5 |
| 2 5 | 5 48.29 | +30 52.7 | 1.730 | 2.490 | 17.4 | 17.7 |

**226480** 2003 $SB_{188}$ 12 27.3 304.°66 5.°7/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.10 | + 7 41.3 | 2.203 | 3.028 | 12.0 | 19.7 |
| 12 7 | 6 41.18 | + 6 47.7 | 2.133 | 3.027 | 9.4 | 19.6 |
| 12 17 | 6 33.61 | + 6 4.5 | 2.089 | 3.026 | 6.9 | 19.4 |
| 12 27 | 6 25.14 | + 5 34.3 | 2.073 | 3.024 | 5.7 | 19.3 |
| 1 6 | 6 16.66 | + 5 18.4 | 2.086 | 3.023 | 6.7 | 19.4 |
| 1 16 | 6 9.02 | + 5 16.7 | 2.126 | 3.023 | 9.2 | 19.6 |
| 1 26 | 6 3.01 | + 5 27.7 | 2.192 | 3.022 | 11.8 | 19.7 |
| 2 5 | 5 59.11 | + 5 48.8 | 2.279 | 3.021 | 14.2 | 19.9 |

**314305** 2005 $SU_{136}$ 12 27.3 315.°85 6.°6/26.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.98 | +38 32.9 | 1.728 | 2.574 | 13.9 | 20.3 |
| 12 7 | 6 46.38 | +39 27.1 | 1.653 | 2.560 | 10.8 | 20.1 |
| 12 17 | 6 36.75 | +40 9.7 | 1.602 | 2.546 | 7.9 | 19.9 |
| 12 27 | 6 25.24 | +40 33.7 | 1.576 | 2.533 | 6.6 | 19.8 |
| 1 6 | 6 13.46 | +40 35.1 | 1.578 | 2.519 | 8.2 | 19.9 |
| 1 16 | 6 3.09 | +40 14.5 | 1.606 | 2.507 | 11.3 | 20.0 |
| 1 26 | 5 55.56 | +39 36.6 | 1.657 | 2.495 | 14.6 | 20.2 |
| 2 5 | 5 51.62 | +38 47.9 | 1.728 | 2.483 | 17.6 | 20.4 |

**261760** 2006 $BU_{51}$ 12 27.3 238.°62 3.°3/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.29 | +33 20.7 | 2.218 | 3.062 | 11.2 | 20.4 |
| 12 7 | 6 44.36 | +33 35.4 | 2.145 | 3.059 | 8.2 | 20.2 |
| 12 17 | 6 35.36 | +33 42.5 | 2.099 | 3.056 | 5.1 | 20.0 |
| 12 27 | 6 25.21 | +33 39.0 | 2.081 | 3.053 | 3.3 | 19.8 |
| 1 6 | 6 15.04 | +33 23.6 | 2.093 | 3.050 | 5.1 | 19.9 |
| 1 16 | 6 5.99 | +32 57.6 | 2.133 | 3.047 | 8.2 | 20.1 |
| 1 26 | 5 58.99 | +32 23.8 | 2.200 | 3.044 | 11.3 | 20.3 |
| 2 5 | 5 54.60 | +31 45.8 | 2.290 | 3.041 | 13.9 | 20.5 |

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **128406** | 2004 $LF_{15}$ | | 12 27.3 | 150.°93 | 1.°4/27.1 | 18 |
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.93 | +25 2.1 | 1.746 | 2.601 | 13.3 | 20.0 |
| 12 7 | 6 46.52 | +25 43.8 | 1.683 | 2.606 | 9.4 | 19.7 |
| 12 17 | 6 36.61 | +26 25.6 | 1.644 | 2.612 | 5.0 | 19.5 |
| 12 27 | 6 25.25 | +27 3.2 | 1.634 | 2.616 | 1.4 | 19.2 |
| 1 6 | 6 13.83 | +27 33.3 | 1.654 | 2.621 | 4.9 | 19.5 |
| 1 16 | 6 3.71 | +27 54.6 | 1.702 | 2.625 | 9.2 | 19.8 |
| 1 26 | 5 56.02 | +28 8.3 | 1.775 | 2.629 | 13.1 | 20.0 |
| 2 5 | 5 51.41 | +28 16.5 | 1.870 | 2.632 | 16.2 | 20.2 |
| **310584** | 2001 $TM_{261}$ | | 12 27.3 | 71.°94 | 2.°2/27.6 | 18 |
| 11 27 | 6 49.37 | +16 48.3 | 1.833 | 2.685 | 12.9 | 20.6 |
| 12 7 | 6 43.04 | +16 52.0 | 1.773 | 2.694 | 9.2 | 20.4 |
| 12 17 | 6 34.67 | +17 2.1 | 1.739 | 2.703 | 5.2 | 20.2 |
| 12 27 | 6 25.20 | +17 17.9 | 1.732 | 2.712 | 2.2 | 20.0 |
| 1 6 | 6 15.76 | +17 37.8 | 1.754 | 2.721 | 4.7 | 20.2 |
| 1 16 | 6 7.46 | +18 0.6 | 1.804 | 2.730 | 8.6 | 20.5 |
| 1 26 | 6 1.22 | +18 25.1 | 1.880 | 2.739 | 12.2 | 20.7 |
| 2 5 | 5 57.57 | +18 50.6 | 1.978 | 2.748 | 15.2 | 20.9 |
| **49763** | 1999 $VO_{210}$ | | 12 27.3 | 316.°01 | 1.°7/27.6 | 18 |
| 11 27 | 6 50.98 | +18 3.5 | 1.299 | 2.167 | 16.1 | 18.6 |
| 12 7 | 6 45.09 | +18 25.1 | 1.228 | 2.157 | 11.6 | 18.3 |
| 12 17 | 6 36.13 | +18 56.2 | 1.180 | 2.148 | 6.4 | 18.0 |
| 12 27 | 6 25.26 | +19 34.2 | 1.157 | 2.139 | 1.7 | 17.7 |
| 1 6 | 6 14.08 | +20 15.7 | 1.161 | 2.131 | 5.8 | 17.9 |
| 1 16 | 6 4.31 | +20 57.5 | 1.190 | 2.123 | 11.2 | 18.2 |
| 1 26 | 5 57.40 | +21 37.9 | 1.242 | 2.115 | 16.1 | 18.5 |
| 2 5 | 5 54.15 | +22 15.9 | 1.313 | 2.108 | 20.2 | 18.7 |
| **269328** | 2008 $SY_{282}$ | | 12 27.3 | 134.°44 | 1.°1/27.4 | 17 |
| 11 27 | 6 48.05 | +19 46.1 | 2.460 | 3.306 | 10.2 | 21.2 |
| 12 7 | 6 41.74 | +19 40.7 | 2.394 | 3.313 | 7.2 | 21.0 |
| 12 17 | 6 33.88 | +19 37.6 | 2.354 | 3.320 | 3.9 | 20.8 |
| 12 27 | 6 25.19 | +19 36.2 | 2.345 | 3.327 | 1.1 | 20.6 |
| 1 6 | 6 16.54 | +19 36.1 | 2.366 | 3.333 | 3.6 | 20.8 |
| 1 16 | 6 8.74 | +19 37.0 | 2.417 | 3.339 | 6.9 | 21.0 |
| 1 26 | 6 2.51 | +19 39.2 | 2.495 | 3.345 | 9.8 | 21.2 |
| 2 5 | 5 58.33 | +19 42.7 | 2.597 | 3.351 | 12.3 | 21.4 |
| **379709** | 2011 $GG_2$ | | 12 27.3 | 359.°98 | 8.°4/27.7 | 17 |
| 11 27 | 6 45.82 | + 1 2.4 | 2.010 | 2.817 | 13.7 | 20.6 |
| 12 7 | 6 40.42 | − 0 2.4 | 1.946 | 2.816 | 11.3 | 20.4 |
| 12 17 | 6 33.28 | − 0 50.6 | 1.905 | 2.815 | 9.3 | 20.3 |
| 12 27 | 6 25.18 | − 1 18.3 | 1.891 | 2.815 | 8.4 | 20.2 |
| 1 6 | 6 17.04 | − 1 24.0 | 1.903 | 2.815 | 9.1 | 20.3 |
| 1 16 | 6 9.80 | − 1 8.6 | 1.940 | 2.816 | 11.0 | 20.4 |
| 1 26 | 6 4.27 | − 0 34.9 | 2.002 | 2.817 | 13.4 | 20.5 |
| 2 5 | 6 0.95 | + 0 12.2 | 2.083 | 2.818 | 15.6 | 20.7 |
| **68428** | 2001 $RA_{21}$ | | 12 27.3 | 0.°67 | 1.°1/27.2 | 18 |
| 11 27 | 6 48.16 | +26 32.6 | 2.230 | 3.083 | 10.8 | 19.7 |
| 12 7 | 6 42.08 | +26 42.2 | 2.160 | 3.083 | 7.6 | 19.5 |
| 12 17 | 6 34.15 | +26 49.6 | 2.115 | 3.082 | 4.1 | 19.2 |
| 12 27 | 6 25.21 | +26 53.0 | 2.100 | 3.082 | 1.1 | 19.0 |
| 1 6 | 6 16.24 | +26 51.3 | 2.115 | 3.083 | 3.9 | 19.2 |
| 1 16 | 6 8.24 | +26 44.7 | 2.159 | 3.083 | 7.5 | 19.5 |
| 1 26 | 6 2.04 | +26 34.4 | 2.229 | 3.083 | 10.7 | 19.7 |
| 2 5 | 5 58.19 | +26 22.2 | 2.322 | 3.084 | 13.4 | 19.9 |
| **411061** | 2009 $VE_{52}$ | | 12 27.3 | 98.°57 | 0.°7/27.2 | 18 |
| 11 27 | 6 49.48 | +24 16.8 | 2.273 | 3.123 | 10.8 | 20.8 |
| 12 7 | 6 42.88 | +24 42.6 | 2.214 | 3.136 | 7.6 | 20.7 |
| 12 17 | 6 34.52 | +25 8.2 | 2.182 | 3.149 | 4.0 | 20.4 |
| 12 27 | 6 25.22 | +25 31.3 | 2.180 | 3.163 | 0.7 | 20.2 |
| 1 6 | 6 15.96 | +25 50.2 | 2.208 | 3.176 | 3.8 | 20.5 |
| 1 16 | 6 7.68 | +26 4.3 | 2.266 | 3.189 | 7.3 | 20.7 |
| 1 26 | 6 1.20 | +26 14.2 | 2.350 | 3.201 | 10.4 | 20.9 |
| 2 5 | 5 57.01 | +26 20.8 | 2.458 | 3.214 | 12.9 | 21.1 |
| **304993** | 2007 $TV_{244}$ | | 12 27.3 | 93.°56 | 4.°6/27.4 | 15 |
| 11 27 | 6 52.21 | +12 33.3 | 1.827 | 2.666 | 13.5 | 21.1 |
| 12 7 | 6 44.80 | +11 43.7 | 1.778 | 2.687 | 10.0 | 20.9 |
| 12 17 | 6 35.48 | +11 2.9 | 1.755 | 2.708 | 6.5 | 20.8 |
| 12 27 | 6 25.25 | +10 33.0 | 1.760 | 2.728 | 4.6 | 20.7 |
| 1 6 | 6 15.25 | +10 14.9 | 1.795 | 2.748 | 6.2 | 20.8 |
| 1 16 | 6 6.54 | +10 8.4 | 1.857 | 2.768 | 9.4 | 21.1 |
| 1 26 | 5 59.94 | +10 12.3 | 1.945 | 2.787 | 12.6 | 21.3 |
| 2 5 | 5 55.92 | +10 24.5 | 2.054 | 2.806 | 15.3 | 21.5 |
| **230493** | 2002 $TP_{199}$ | | 12 27.3 | 114.°70 | 1.°1/27.3 | 18 |
| 11 27 | 6 49.37 | +27 31.3 | 2.383 | 3.232 | 10.4 | 20.2 |
| 12 7 | 6 42.76 | +27 24.2 | 2.315 | 3.236 | 7.3 | 20.0 |
| 12 17 | 6 34.44 | +27 13.6 | 2.274 | 3.240 | 3.9 | 19.8 |
| 12 27 | 6 25.22 | +26 58.1 | 2.262 | 3.244 | 1.1 | 19.6 |
| 1 6 | 6 16.06 | +26 37.6 | 2.280 | 3.247 | 3.7 | 19.8 |
| 1 16 | 6 7.88 | +26 13.1 | 2.328 | 3.251 | 7.1 | 20.0 |
| 1 26 | 6 1.46 | +25 46.4 | 2.404 | 3.255 | 10.2 | 20.2 |
| 2 5 | 5 57.28 | +25 19.4 | 2.503 | 3.258 | 12.7 | 20.4 |

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ | |
|---|---|---|---|---|---|---|---|
| **97776** | 2000 $KY_{10}$ | | 12 27.3 | 41.°02 | 4.°9/26.4 | 18 | |
| | h m | ° ′ | | | ° | m | |
| 11 27 | 6 53.05 | +32 48.8 | 1.664 | 2.520 | 13.8 | 19.0 | |
| 12 7 | 6 46.20 | +34 2.3 | 1.608 | 2.526 | 10.2 | 18.8 | |
| 12 17 | 6 36.56 | +35 9.1 | 1.576 | 2.533 | 6.6 | 18.6 | |
| 12 27 | 6 25.29 | +36 2.2 | 1.572 | 2.540 | 4.9 | 18.5 | |
| 1 6 | 6 13.91 | +36 37.2 | 1.595 | 2.548 | 6.9 | 18.7 | |
| 1 16 | 6 3.99 | +36 53.3 | 1.646 | 2.556 | 10.5 | 18.9 | |
| 1 26 | 5 56.78 | +36 53.6 | 1.720 | 2.564 | 13.9 | 19.1 | |
| 2 5 | 5 52.96 | +36 43.1 | 1.815 | 2.572 | 16.8 | 19.3 | |
| **156363** | 2001 $XZ_{228}$ | | 12 27.3 | 153.°32 | 2.°8/26.9 | 18 | |
| 11 27 | 6 54.93 | +29 24.2 | 1.863 | 2.712 | 12.8 | 20.5 | |
| 12 7 | 6 47.15 | +30 1.9 | 1.799 | 2.719 | 9.2 | 20.3 | |
| 12 17 | 6 36.92 | +30 35.2 | 1.762 | 2.725 | 5.3 | 20.0 | |
| 12 27 | 6 25.30 | +30 59.4 | 1.753 | 2.731 | 2.8 | 19.9 | |
| 1 6 | 6 13.66 | +31 12.2 | 1.774 | 2.736 | 5.3 | 20.1 | |
| 1 16 | 6 3.35 | +31 13.4 | 1.824 | 2.741 | 9.1 | 20.3 | |
| 1 26 | 5 55.48 | +31 5.7 | 1.899 | 2.745 | 12.6 | 20.5 | |
| 2 5 | 5 50.65 | +30 52.3 | 1.995 | 2.749 | 15.6 | 20.7 | |
| **252440** | 2001 $TW_{171}$ | | 12 27.3 | 29.°63 | 0.°7/27.4 | 18 | |
| 11 27 | 6 51.58 | +26 41.1 | 1.399 | 2.268 | 15.1 | 19.9 | |
| 12 7 | 6 44.96 | +26 13.1 | 1.351 | 2.282 | 10.6 | 19.7 | |
| 12 17 | 6 35.74 | +25 40.8 | 1.327 | 2.296 | 5.6 | 19.5 | |
| 12 27 | 6 25.26 | +25 3.2 | 1.328 | 2.311 | 0.8 | 19.2 | |
| 1 6 | 6 15.10 | +24 21.7 | 1.357 | 2.328 | 5.1 | 19.5 | |
| 1 16 | 6 6.68 | +23 39.1 | 1.413 | 2.345 | 9.9 | 19.8 | |
| 1 26 | 6 1.06 | +22 58.7 | 1.492 | 2.362 | 14.1 | 20.1 | |
| 2 5 | 5 58.67 | +22 22.7 | 1.592 | 2.381 | 17.5 | 20.4 | |
| **143329** | 2003 $AP_{64}$ | | 12 27.3 | 303.°75 | 5.°7/25.9 | 18 | |
| 11 27 | 6 52.96 | +34 33.9 | 1.746 | 2.598 | 13.5 | 19.9 | |
| 12 7 | 6 46.40 | +35 55.9 | 1.669 | 2.583 | 10.2 | 19.6 | |
| 12 17 | 6 36.84 | +37 12.1 | 1.616 | 2.568 | 7.0 | 19.4 | |
| 12 27 | 6 25.31 | +38 14.6 | 1.591 | 2.554 | 5.7 | 19.3 | |
| 1 6 | 6 13.30 | +38 57.6 | 1.594 | 2.540 | 7.6 | 19.4 | |
| 1 16 | 6 2.47 | +39 19.3 | 1.623 | 2.526 | 11.1 | 19.6 | |
| 1 26 | 5 54.29 | +39 22.4 | 1.676 | 2.512 | 14.6 | 19.7 | |
| 2 5 | 5 49.64 | +39 12.0 | 1.749 | 2.499 | 17.6 | 19.9 | |
| **101339** | 1998 $TS_2$ | | 12 27.3 | 124.°96 | 0.°9/27.3 | 18 | |
| 11 27 | 6 52.30 | +25 25.1 | 1.985 | 2.836 | 12.1 | 20.6 | |
| 12 7 | 6 45.03 | +25 35.2 | 1.925 | 2.847 | 8.5 | 20.4 | |
| 12 17 | 6 35.70 | +25 43.6 | 1.890 | 2.857 | 4.5 | 20.2 | |
| 12 27 | 6 25.27 | +25 48.1 | 1.885 | 2.867 | 0.9 | 19.9 | |
| 1 6 | 6 14.92 | +25 47.6 | 1.909 | 2.877 | 4.2 | 20.2 | |
| 1 16 | 6 5.78 | +25 42.2 | 1.963 | 2.887 | 8.1 | 20.4 | |
| 1 26 | 5 58.77 | +25 33.6 | 2.043 | 2.896 | 11.6 | 20.7 | |
| 2 5 | 5 54.42 | +25 23.6 | 2.145 | 2.904 | 14.5 | 20.9 | |
| **283796** | 2003 $SD_{37}$ | | 12 27.3 | 20.°63 | 5.°7/27.1 | 18 | |
| 11 27 | 6 50.66 | +12 29.2 | 1.514 | 2.365 | 15.2 | 19.6 | |
| 12 7 | 6 44.20 | +11 17.0 | 1.454 | 2.367 | 11.4 | 19.4 | |
| 12 17 | 6 35.38 | +10 13.8 | 1.417 | 2.370 | 7.7 | 19.2 | |
| 12 27 | 6 25.28 | + 9 23.4 | 1.406 | 2.372 | 5.7 | 19.1 | |
| 1 6 | 6 15.24 | + 8 48.7 | 1.423 | 2.376 | 7.6 | 19.2 | |
| 1 16 | 6 6.55 | + 8 30.6 | 1.466 | 2.379 | 11.2 | 19.4 | |
| 1 26 | 6 0.27 | + 8 27.9 | 1.532 | 2.383 | 14.9 | 19.6 | |
| 2 5 | 5 56.95 | + 8 37.8 | 1.618 | 2.387 | 18.1 | 19.9 | |
| **10339** | 1991 $RK_{17}$ | | 12 27.3 | 13.°51 | 0.°4/27.4 | 18 | R |
| 11 27 | 6 50.51 | +22 8.4 | 1.412 | 2.280 | 15.0 | 17.5 | |
| 12 7 | 6 44.41 | +22 9.4 | 1.351 | 2.281 | 10.6 | 17.2 | |
| 12 17 | 6 35.62 | +22 12.6 | 1.314 | 2.284 | 5.6 | 16.9 | |
| 12 27 | 6 25.30 | +22 16.0 | 1.303 | 2.287 | 0.5 | 16.6 | |
| 1 6 | 6 14.98 | +22 18.3 | 1.320 | 2.290 | 5.2 | 16.9 | |
| 1 16 | 6 6.17 | +22 19.3 | 1.362 | 2.294 | 10.2 | 17.2 | |
| 1 26 | 6 0.05 | +22 19.9 | 1.428 | 2.299 | 14.6 | 17.5 | |
| 2 5 | 5 57.23 | +22 21.0 | 1.514 | 2.304 | 18.2 | 17.8 | |
| **101074** | 1998 $RY_{19}$ | | 12 27.3 | 82.°22 | 1.°2/27.3 | 18 | |
| 11 27 | 6 56.17 | +26 38.7 | 1.428 | 2.289 | 15.3 | 19.0 | |
| 12 7 | 6 48.17 | +26 33.9 | 1.380 | 2.307 | 10.8 | 18.8 | |
| 12 17 | 6 37.44 | +26 25.1 | 1.356 | 2.324 | 5.7 | 18.5 | |
| 12 27 | 6 25.36 | +26 9.8 | 1.359 | 2.342 | 1.2 | 18.3 | |
| 1 6 | 6 13.62 | +25 47.8 | 1.390 | 2.359 | 5.3 | 18.6 | |
| 1 16 | 6 3.73 | +25 21.2 | 1.449 | 2.377 | 10.1 | 18.9 | |
| 1 26 | 5 56.80 | +24 53.2 | 1.531 | 2.394 | 14.2 | 19.2 | |
| 2 5 | 5 53.30 | +24 26.6 | 1.634 | 2.411 | 17.6 | 19.5 | |
| **101131** | 1998 $RW_{59}$ | | 12 27.3 | 85.°46 | 7.°2/28.2 | 18 | |
| 11 27 | 6 49.95 | + 4 36.5 | 1.801 | 2.621 | 14.5 | 19.6 | |
| 12 7 | 6 43.31 | + 3 56.1 | 1.753 | 2.640 | 11.5 | 19.4 | |
| 12 17 | 6 34.77 | + 3 32.4 | 1.729 | 2.658 | 8.6 | 19.3 | |
| 12 27 | 6 25.29 | + 3 27.8 | 1.731 | 2.677 | 7.2 | 19.3 | |
| 1 6 | 6 15.95 | + 3 42.0 | 1.761 | 2.695 | 8.1 | 19.3 | |
| 1 16 | 6 7.80 | + 4 13.1 | 1.817 | 2.713 | 10.5 | 19.5 | |
| 1 26 | 6 1.66 | + 4 57.3 | 1.898 | 2.731 | 13.2 | 19.7 | |
| 2 5 | 5 58.02 | + 5 50.0 | 2.000 | 2.748 | 15.7 | 20.0 | |

**225201** 2008 $KT_7$ 12 27.3 23.°47 0.°0/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.47 | +21 29.8 | 1.332 | 2.199 | 15.8 | 20.0 |
| 12 7 | 6 46.00 | +21 59.9 | 1.271 | 2.201 | 11.2 | 19.7 |
| 12 17 | 6 36.55 | +22 34.9 | 1.233 | 2.203 | 5.9 | 19.4 |
| 12 27 | 6 25.34 | +23 10.6 | 1.222 | 2.205 | 0.2 | 19.0 |
| 1 6 | 6 14.05 | +23 43.4 | 1.237 | 2.208 | 5.5 | 19.4 |
| 1 16 | 6 4.32 | +24 11.3 | 1.278 | 2.210 | 10.8 | 19.7 |
| 1 26 | 5 57.51 | +24 34.4 | 1.343 | 2.213 | 15.4 | 20.0 |
| 2 5 | 5 54.29 | +24 53.5 | 1.427 | 2.216 | 19.1 | 20.3 |

**5828** 1991 $AM$ 12 27.3 158.°34 7.°9/29.3 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 4.27 | − 1 30.5 | 2.041 | 2.801 | 15.1 | 20.6 |
| 12 7 | 6 53.21 | − 1 30.3 | 1.974 | 2.819 | 12.3 | 20.5 |
| 12 17 | 6 39.94 | − 1 8.8 | 1.932 | 2.835 | 9.6 | 20.3 |
| 12 27 | 6 25.47 | − 0 24.8 | 1.921 | 2.849 | 8.0 | 20.3 |
| 1 6 | 6 11.06 | + 0 39.9 | 1.942 | 2.860 | 8.6 | 20.3 |
| 1 16 | 5 57.93 | + 2 0.8 | 1.996 | 2.868 | 10.9 | 20.5 |
| 1 26 | 5 47.08 | + 3 32.1 | 2.078 | 2.874 | 13.6 | 20.7 |
| 2 5 | 5 39.06 | + 5 7.9 | 2.183 | 2.877 | 16.1 | 20.9 |

**192589** 1999 $BM_{11}$ 12 27.3 268.°54 0.°5/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.93 | +24 31.7 | 2.437 | 3.287 | 10.2 | 20.3 |
| 12 7 | 6 41.90 | +24 43.4 | 2.353 | 3.275 | 7.2 | 20.1 |
| 12 17 | 6 34.11 | +24 54.8 | 2.295 | 3.263 | 3.8 | 19.8 |
| 12 27 | 6 25.29 | +25 4.1 | 2.267 | 3.250 | 0.5 | 19.5 |
| 1 6 | 6 16.34 | +25 10.1 | 2.270 | 3.238 | 3.6 | 19.8 |
| 1 16 | 6 8.17 | +25 12.6 | 2.302 | 3.226 | 7.1 | 20.0 |
| 1 26 | 6 1.61 | +25 12.2 | 2.362 | 3.213 | 10.3 | 20.2 |
| 2 5 | 5 57.22 | +25 9.9 | 2.444 | 3.201 | 13.0 | 20.3 |

**328427** 2008 $SX_{285}$ 12 27.3 103.°95 1.°7/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.03 | +16 3.9 | 2.546 | 3.384 | 10.2 | 20.9 |
| 12 7 | 6 41.67 | +16 21.6 | 2.488 | 3.402 | 7.3 | 20.8 |
| 12 17 | 6 33.86 | +16 44.7 | 2.458 | 3.420 | 4.1 | 20.6 |
| 12 27 | 6 25.29 | +17 11.9 | 2.458 | 3.438 | 1.8 | 20.5 |
| 1 6 | 6 16.76 | +17 41.9 | 2.489 | 3.455 | 3.6 | 20.6 |
| 1 16 | 6 9.07 | +18 13.2 | 2.551 | 3.472 | 6.7 | 20.8 |
| 1 26 | 6 2.87 | +18 44.7 | 2.640 | 3.488 | 9.4 | 21.0 |
| 2 5 | 5 58.61 | +19 15.8 | 2.753 | 3.505 | 11.8 | 21.2 |

**92880** 2000 $QC_{219}$ 12 27.3 81.°97 0.°4/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.20 | +24 1.8 | 1.578 | 2.434 | 14.3 | 20.4 |
| 12 7 | 6 47.24 | +24 10.6 | 1.535 | 2.460 | 10.0 | 20.2 |
| 12 17 | 6 36.89 | +24 18.6 | 1.516 | 2.485 | 5.2 | 20.0 |
| 12 27 | 6 25.38 | +24 23.4 | 1.526 | 2.509 | 0.4 | 19.7 |
| 1 6 | 6 14.19 | +24 23.8 | 1.565 | 2.534 | 4.8 | 20.1 |
| 1 16 | 6 4.66 | +24 20.3 | 1.631 | 2.558 | 9.3 | 20.4 |
| 1 26 | 5 57.78 | +24 14.4 | 1.722 | 2.581 | 13.1 | 20.7 |
| 2 5 | 5 54.01 | +24 8.1 | 1.835 | 2.604 | 16.2 | 21.0 |

**30727** 1979 $MC_9$ 12 27.3 194.°78 1.°2/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.03 | +19 44.3 | 1.927 | 2.774 | 12.6 | 21.0 |
| 12 7 | 6 45.70 | +19 45.0 | 1.852 | 2.772 | 8.9 | 20.8 |
| 12 17 | 6 36.17 | +19 48.9 | 1.803 | 2.769 | 4.8 | 20.5 |
| 12 27 | 6 25.37 | +19 54.8 | 1.784 | 2.766 | 1.2 | 20.2 |
| 1 6 | 6 14.48 | +20 1.5 | 1.794 | 2.762 | 4.5 | 20.5 |
| 1 16 | 6 4.68 | +20 8.7 | 1.834 | 2.757 | 8.6 | 20.7 |
| 1 26 | 5 56.98 | +20 16.4 | 1.899 | 2.752 | 12.4 | 20.9 |
| 2 5 | 5 52.00 | +20 25.1 | 1.987 | 2.746 | 15.5 | 21.1 |

**334219** 2001 $SS_{354}$ 12 27.3 89.°02 3.°8/26.9 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.92 | +30 50.4 | 1.585 | 2.437 | 14.5 | 21.5 |
| 12 7 | 6 49.38 | +31 42.7 | 1.544 | 2.463 | 10.4 | 21.3 |
| 12 17 | 6 38.10 | +32 27.6 | 1.527 | 2.488 | 6.2 | 21.1 |
| 12 27 | 6 25.44 | +32 59.3 | 1.539 | 2.513 | 3.8 | 21.0 |
| 1 6 | 6 13.05 | +33 14.9 | 1.578 | 2.538 | 6.2 | 21.2 |
| 1 16 | 6 2.46 | +33 15.4 | 1.646 | 2.562 | 10.0 | 21.5 |
| 1 26 | 5 54.81 | +33 4.5 | 1.738 | 2.585 | 13.6 | 21.7 |
| 2 5 | 5 50.60 | +32 46.9 | 1.851 | 2.608 | 16.5 | 22.0 |

**480276** 2015 $HM_{90}$ 12 27.3 263.°09 4.°8/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.99 | +13 27.7 | 1.443 | 2.296 | 15.6 | 21.4 |
| 12 7 | 6 45.45 | +12 50.4 | 1.372 | 2.289 | 11.6 | 21.1 |
| 12 17 | 6 36.23 | +12 22.8 | 1.324 | 2.282 | 7.4 | 20.8 |
| 12 27 | 6 25.39 | +12 6.8 | 1.302 | 2.275 | 4.8 | 20.7 |
| 1 6 | 6 14.40 | +12 3.4 | 1.307 | 2.267 | 7.1 | 20.8 |
| 1 16 | 6 4.72 | +12 12.1 | 1.338 | 2.260 | 11.4 | 21.0 |
| 1 26 | 5 57.62 | +12 31.3 | 1.393 | 2.252 | 15.6 | 21.2 |
| 2 5 | 5 53.77 | +12 58.5 | 1.466 | 2.244 | 19.2 | 21.5 |

**495759** Jandesselberger 12 27.3 175.°97 0.°1/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.39 | +20 44.2 | 2.128 | 2.974 | 11.6 | 21.0 |
| 12 7 | 6 44.46 | +21 23.3 | 2.056 | 2.976 | 8.1 | 20.8 |
| 12 17 | 6 35.50 | +22 6.0 | 2.011 | 2.978 | 4.3 | 20.6 |
| 12 27 | 6 25.37 | +22 49.6 | 1.995 | 2.979 | 0.2 | 20.2 |
| 1 6 | 6 15.11 | +23 31.2 | 2.011 | 2.979 | 4.0 | 20.6 |
| 1 16 | 6 5.79 | +24 8.9 | 2.056 | 2.979 | 7.9 | 20.8 |
| 1 26 | 5 58.36 | +24 42.2 | 2.128 | 2.979 | 11.3 | 21.0 |
| 2 5 | 5 53.41 | +25 11.2 | 2.223 | 2.978 | 14.2 | 21.2 |

**408094** 2012 $JP_{31}$ 12 27.3 27.°65 3.°8/26.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.73 | +32 10.7 | 2.063 | 2.913 | 11.7 | 20.6 |
| 12 7 | 6 44.21 | +33 8.4 | 1.999 | 2.915 | 8.6 | 20.4 |
| 12 17 | 6 35.45 | +34 0.9 | 1.960 | 2.918 | 5.4 | 20.2 |
| 12 27 | 6 25.37 | +34 43.2 | 1.950 | 2.921 | 3.8 | 20.1 |
| 1 6 | 6 15.16 | +35 12.0 | 1.970 | 2.924 | 5.7 | 20.3 |
| 1 16 | 6 6.06 | +35 26.7 | 2.017 | 2.927 | 8.8 | 20.5 |
| 1 26 | 5 59.08 | +35 29.2 | 2.090 | 2.930 | 11.9 | 20.7 |
| 2 5 | 5 54.88 | +35 22.9 | 2.184 | 2.934 | 14.5 | 20.9 |

**274897** 2009 $SF_{81}$ 12 27.3 319.°82 4.°4/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.11 | +13 34.9 | 1.348 | 2.206 | 16.2 | 21.1 |
| 12 7 | 6 44.96 | +13 19.6 | 1.282 | 2.202 | 12.0 | 20.9 |
| 12 17 | 6 36.00 | +13 16.2 | 1.238 | 2.199 | 7.4 | 20.6 |
| 12 27 | 6 25.39 | +13 25.5 | 1.220 | 2.195 | 4.4 | 20.4 |
| 1 6 | 6 14.63 | +13 46.5 | 1.228 | 2.192 | 6.8 | 20.6 |
| 1 16 | 6 5.27 | +14 17.2 | 1.261 | 2.188 | 11.4 | 20.8 |
| 1 26 | 5 58.60 | +14 55.0 | 1.318 | 2.185 | 15.8 | 21.1 |
| 2 5 | 5 55.32 | +15 37.1 | 1.394 | 2.183 | 19.5 | 21.3 |

**110577** 2001 $TB_{117}$ 12 27.3 293.°08 14.°1/22.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 5.32 | +42 3.9 | 1.075 | 1.926 | 20.0 | 18.1 |
| 12 7 | 6 57.93 | +45 45.5 | 1.020 | 1.918 | 16.7 | 17.8 |
| 12 17 | 6 44.35 | +49 15.2 | 0.988 | 1.910 | 14.4 | 17.7 |
| 12 27 | 6 25.71 | +52 6.9 | 0.980 | 1.902 | 14.4 | 17.7 |
| 1 6 | 6 5.08 | +54 1.4 | 0.996 | 1.895 | 16.7 | 17.8 |
| 1 16 | 5 46.64 | +54 55.1 | 1.032 | 1.887 | 20.1 | 17.9 |
| 1 26 | 5 34.00 | +54 59.8 | 1.085 | 1.880 | 23.5 | 18.2 |
| 2 5 | 5 28.74 | +54 33.1 | 1.151 | 1.873 | 26.4 | 18.4 |

**174131** 2002 $LT_{43}$ 12 27.3 103.°92 3.°8/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.77 | +12 39.9 | 2.058 | 2.891 | 12.4 | 21.0 |
| 12 7 | 6 44.39 | +12 13.9 | 2.009 | 2.916 | 9.1 | 20.8 |
| 12 17 | 6 35.29 | +11 56.1 | 1.986 | 2.940 | 5.8 | 20.7 |
| 12 27 | 6 25.37 | +11 47.4 | 1.993 | 2.963 | 3.8 | 20.6 |
| 1 6 | 6 15.65 | +11 47.5 | 2.029 | 2.985 | 5.3 | 20.7 |
| 1 16 | 6 7.07 | +11 55.8 | 2.095 | 3.007 | 8.4 | 21.0 |
| 1 26 | 6 0.40 | +12 10.9 | 2.187 | 3.029 | 11.4 | 21.2 |
| 2 5 | 5 56.07 | +12 31.2 | 2.301 | 3.049 | 13.9 | 21.4 |

**421489** 2014 $OQ_{59}$ 12 27.3 163.°08 2.°3/27.1 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.65 | +28 54.5 | 2.018 | 2.869 | 11.9 | 21.7 |
| 12 7 | 6 44.76 | +29 19.5 | 1.950 | 2.871 | 8.5 | 21.5 |
| 12 17 | 6 35.69 | +29 40.7 | 1.908 | 2.872 | 4.8 | 21.3 |
| 12 27 | 6 25.39 | +29 54.6 | 1.894 | 2.873 | 2.3 | 21.1 |
| 1 6 | 6 15.05 | +29 59.5 | 1.911 | 2.875 | 4.7 | 21.3 |
| 1 16 | 6 5.85 | +29 55.5 | 1.955 | 2.876 | 8.4 | 21.5 |
| 1 26 | 5 58.78 | +29 44.6 | 2.026 | 2.876 | 11.8 | 21.7 |
| 2 5 | 5 54.44 | +29 29.4 | 2.119 | 2.877 | 14.7 | 21.9 |

**279304** 2009 $WL_{191}$ 12 27.3 40.°32 0.°4/27.4 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.95 | +22 15.3 | 1.831 | 2.690 | 12.6 | 21.1 |
| 12 7 | 6 42.79 | +22 15.3 | 1.775 | 2.701 | 8.8 | 20.9 |
| 12 17 | 6 34.61 | +22 16.5 | 1.745 | 2.713 | 4.6 | 20.7 |
| 12 27 | 6 25.35 | +22 17.7 | 1.742 | 2.725 | 0.4 | 20.4 |
| 1 6 | 6 16.20 | +22 17.9 | 1.768 | 2.738 | 4.2 | 20.7 |
| 1 16 | 6 8.25 | +22 17.2 | 1.822 | 2.751 | 8.3 | 21.0 |
| 1 26 | 6 2.41 | +22 16.1 | 1.902 | 2.764 | 11.9 | 21.2 |
| 2 5 | 5 59.18 | +22 15.3 | 2.004 | 2.778 | 14.9 | 21.5 |

**155474** 1998 $SO_{124}$ 12 27.3 67.°27 4.°9/28.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.92 | + 8 42.0 | 2.054 | 2.882 | 12.7 | 19.5 |
| 12 7 | 6 42.37 | + 8 19.5 | 2.013 | 2.912 | 9.6 | 19.4 |
| 12 17 | 6 34.23 | + 8 8.9 | 1.997 | 2.941 | 6.6 | 19.2 |
| 12 27 | 6 25.34 | + 8 11.0 | 2.009 | 2.969 | 5.0 | 19.2 |
| 1 6 | 6 16.66 | + 8 25.2 | 2.050 | 2.998 | 6.0 | 19.3 |
| 1 16 | 6 9.06 | + 8 49.8 | 2.119 | 3.027 | 8.6 | 19.5 |
| 1 26 | 6 3.25 | + 9 22.5 | 2.214 | 3.055 | 11.3 | 19.7 |
| 2 5 | 5 59.65 | +10 0.4 | 2.332 | 3.083 | 13.7 | 20.0 |

**490595** 2009 $WL_{172}$ 12 27.3 140.°84 2.°7/27.0 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.86 | +31 34.5 | 2.498 | 3.340 | 10.2 | 22.5 |
| 12 7 | 6 43.88 | +32 0.8 | 2.434 | 3.348 | 7.4 | 22.3 |
| 12 17 | 6 35.11 | +32 21.6 | 2.397 | 3.356 | 4.4 | 22.1 |
| 12 27 | 6 25.38 | +32 34.2 | 2.389 | 3.363 | 2.7 | 22.0 |
| 1 6 | 6 15.66 | +32 37.1 | 2.412 | 3.371 | 4.4 | 22.1 |
| 1 16 | 6 6.92 | +32 30.7 | 2.465 | 3.377 | 7.3 | 22.3 |
| 1 26 | 5 59.97 | +32 16.9 | 2.544 | 3.384 | 10.1 | 22.5 |
| 2 5 | 5 55.31 | +31 58.2 | 2.647 | 3.390 | 12.4 | 22.7 |

**55638** 2002 $VE_{95}$ 12 27.3 28.°72 0.°5/28.1 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 28.20 | + 6 54.9 | 29.595 | 30.400 | 1.1 | 20.2 |
| 12 7 | 6 27.24 | + 6 52.8 | 29.527 | 30.406 | 0.8 | 20.2 |
| 12 17 | 6 26.19 | + 6 51.7 | 29.486 | 30.413 | 0.6 | 20.2 |
| 12 27 | 6 25.10 | + 6 51.6 | 29.475 | 30.419 | 0.5 | 20.2 |
| 1 6 | 6 24.00 | + 6 52.5 | 29.493 | 30.425 | 0.6 | 20.2 |
| 1 16 | 6 22.94 | + 6 54.4 | 29.541 | 30.432 | 0.8 | 20.2 |
| 1 26 | 6 21.98 | + 6 57.1 | 29.617 | 30.438 | 1.0 | 20.2 |
| 2 5 | 6 21.14 | + 7 0.6 | 29.719 | 30.445 | 1.3 | 20.3 |

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **492917** | 2014 $RH_{10}$ | | 12 27.3 | 206.°65 | 1.°7/27.5 | 17 |
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.74 | +18 32.8 | 2.128 | 2.977 | 11.5 | 21.6 |
| 12 7 | 6 42.51 | +18 19.6 | 2.056 | 2.976 | 8.2 | 21.4 |
| 12 17 | 6 34.45 | +18 10.0 | 2.010 | 2.975 | 4.6 | 21.2 |
| 12 27 | 6 25.38 | +18 3.5 | 1.993 | 2.974 | 1.7 | 21.0 |
| 1 6 | 6 16.28 | +18 0.1 | 2.006 | 2.973 | 4.2 | 21.2 |
| 1 16 | 6 8.12 | +17 59.6 | 2.048 | 2.972 | 7.9 | 21.4 |
| 1 26 | 6 1.75 | +18 2.0 | 2.116 | 2.970 | 11.2 | 21.6 |
| 2 5 | 5 57.70 | +18 7.1 | 2.207 | 2.969 | 14.0 | 21.8 |
| **412494** | 2014 $JE_{33}$ | | 12 27.3 | 190.°55 | 2.°0/27.0 | 18 |
| 11 27 | 6 53.03 | +27 27.4 | 2.154 | 3.001 | 11.4 | 22.0 |
| 12 7 | 6 45.70 | +28 8.0 | 2.080 | 2.999 | 8.1 | 21.7 |
| 12 17 | 6 36.21 | +28 46.7 | 2.033 | 2.998 | 4.5 | 21.5 |
| 12 27 | 6 25.44 | +29 19.7 | 2.016 | 2.996 | 2.0 | 21.3 |
| 1 6 | 6 14.53 | +29 44.3 | 2.029 | 2.993 | 4.5 | 21.5 |
| 1 16 | 6 4.63 | +29 59.7 | 2.072 | 2.990 | 8.2 | 21.7 |
| 1 26 | 5 56.74 | +30 7.0 | 2.141 | 2.986 | 11.5 | 21.9 |
| 2 5 | 5 51.49 | +30 8.5 | 2.233 | 2.981 | 14.3 | 22.1 |
| **46864** | 1998 $QV_{86}$ | | 12 27.3 | 341.°93 | 7.°8/26.9 | 18 |
| 11 27 | 6 48.86 | + 8 13.1 | 1.493 | 2.337 | 15.7 | 18.0 |
| 12 7 | 6 43.09 | + 6 46.7 | 1.427 | 2.330 | 12.4 | 17.7 |
| 12 17 | 6 34.94 | + 5 32.8 | 1.384 | 2.324 | 9.2 | 17.6 |
| 12 27 | 6 25.41 | + 4 37.1 | 1.366 | 2.319 | 7.8 | 17.5 |
| 1 6 | 6 15.80 | + 4 3.1 | 1.374 | 2.314 | 9.3 | 17.5 |
| 1 16 | 6 7.43 | + 3 51.7 | 1.408 | 2.310 | 12.5 | 17.7 |
| 1 26 | 6 1.38 | + 4 0.6 | 1.463 | 2.307 | 15.9 | 17.9 |
| 2 5 | 5 58.29 | + 4 25.6 | 1.538 | 2.304 | 19.0 | 18.1 |
| **233884** | 2008 $XP_{10}$ | | 12 27.3 | 169.°25 | 5.°1/27.9 | 18 |
| 11 27 | 6 50.62 | + 8 53.8 | 1.990 | 2.818 | 13.0 | 20.5 |
| 12 7 | 6 43.85 | + 8 34.2 | 1.922 | 2.821 | 9.9 | 20.3 |
| 12 17 | 6 35.17 | + 8 26.6 | 1.880 | 2.824 | 6.9 | 20.1 |
| 12 27 | 6 25.42 | + 8 32.0 | 1.865 | 2.827 | 5.1 | 20.0 |
| 1 6 | 6 15.63 | + 8 50.1 | 1.879 | 2.829 | 6.3 | 20.1 |
| 1 16 | 6 6.84 | + 9 19.3 | 1.922 | 2.830 | 9.3 | 20.3 |
| 1 26 | 5 59.92 | + 9 57.4 | 1.991 | 2.831 | 12.4 | 20.5 |
| 2 5 | 5 55.43 | +10 41.2 | 2.081 | 2.832 | 15.1 | 20.7 |
| **219206** | 1999 $VM_{42}$ | | 12 27.3 | 113.°60 | 4.°4/26.9 | 18 |
| 11 27 | 6 58.01 | +32 27.6 | 1.543 | 2.395 | 14.9 | 20.7 |
| 12 7 | 6 49.70 | +33 12.7 | 1.491 | 2.409 | 10.8 | 20.5 |
| 12 17 | 6 38.42 | +33 49.2 | 1.463 | 2.423 | 6.7 | 20.3 |
| 12 27 | 6 25.53 | +34 10.8 | 1.463 | 2.436 | 4.4 | 20.1 |
| 1 6 | 6 12.78 | +34 14.8 | 1.490 | 2.448 | 6.7 | 20.3 |
| 1 16 | 6 1.83 | +34 2.4 | 1.545 | 2.460 | 10.6 | 20.6 |
| 1 26 | 5 53.94 | +33 38.2 | 1.624 | 2.472 | 14.3 | 20.8 |
| 2 5 | 5 49.68 | +33 7.8 | 1.723 | 2.483 | 17.4 | 21.1 |
| **422510** | 2014 $TQ_5$ | | 12 27.3 | 91.°08 | 0.°7/27.3 | 17 |
| 11 27 | 6 49.37 | +24 42.6 | 2.201 | 3.053 | 11.0 | 21.6 |
| 12 7 | 6 42.92 | +24 59.2 | 2.140 | 3.063 | 7.7 | 21.4 |
| 12 17 | 6 34.65 | +25 15.2 | 2.105 | 3.072 | 4.1 | 21.2 |
| 12 27 | 6 25.40 | +25 28.6 | 2.099 | 3.082 | 0.7 | 21.0 |
| 1 6 | 6 16.19 | +25 37.8 | 2.123 | 3.091 | 3.8 | 21.2 |
| 1 16 | 6 7.98 | +25 42.8 | 2.176 | 3.100 | 7.4 | 21.5 |
| 1 26 | 6 1.61 | +25 44.3 | 2.256 | 3.110 | 10.6 | 21.7 |
| 2 5 | 5 57.59 | +25 43.5 | 2.359 | 3.119 | 13.3 | 21.9 |
| **195748** | 2002 $PK_{103}$ | | 12 27.4 | 350.°83 | 5.°1/27.8 | 18 |
| 11 27 | 6 55.36 | +39 46.1 | 2.038 | 2.870 | 12.6 | 19.4 |
| 12 7 | 6 47.39 | +39 35.2 | 1.967 | 2.868 | 9.7 | 19.2 |
| 12 17 | 6 37.04 | +39 9.2 | 1.921 | 2.866 | 6.7 | 19.0 |
| 12 27 | 6 25.49 | +38 25.0 | 1.903 | 2.864 | 5.1 | 18.9 |
| 1 6 | 6 14.15 | +37 22.8 | 1.915 | 2.863 | 6.4 | 19.0 |
| 1 16 | 6 4.34 | +36 6.3 | 1.954 | 2.862 | 9.2 | 19.2 |
| 1 26 | 5 57.05 | +34 41.5 | 2.021 | 2.861 | 12.2 | 19.3 |
| 2 5 | 5 52.80 | +33 14.6 | 2.109 | 2.861 | 14.9 | 19.5 |
| **53053** | 1998 $XH_9$ | | 12 27.4 | 13.°02 | 0.°6/27.4 | 18 |
| 11 27 | 6 52.13 | +22 4.9 | 1.370 | 2.237 | 15.5 | 19.8 |
| 12 7 | 6 45.68 | +22 2.6 | 1.308 | 2.238 | 10.9 | 19.5 |
| 12 17 | 6 36.38 | +22 2.2 | 1.270 | 2.239 | 5.8 | 19.2 |
| 12 27 | 6 25.47 | +22 2.1 | 1.257 | 2.240 | 0.6 | 18.9 |
| 1 6 | 6 14.55 | +22 0.9 | 1.272 | 2.242 | 5.4 | 19.2 |
| 1 16 | 6 5.18 | +21 58.8 | 1.312 | 2.244 | 10.5 | 19.5 |
| 1 26 | 5 58.64 | +21 56.8 | 1.376 | 2.247 | 15.0 | 19.8 |
| 2 5 | 5 55.54 | +21 56.0 | 1.460 | 2.249 | 18.7 | 20.0 |
| **105095** | 2000 $LQ_1$ | | 12 27.4 | 100.°91 | 0.°7/27.5 | 18 |
| 11 27 | 6 51.26 | +19 40.1 | 2.112 | 2.958 | 11.7 | 20.1 |
| 12 7 | 6 44.18 | +20 6.3 | 2.059 | 2.979 | 8.2 | 19.9 |
| 12 17 | 6 35.28 | +20 35.9 | 2.033 | 2.999 | 4.3 | 19.7 |
| 12 27 | 6 25.43 | +21 6.9 | 2.036 | 3.019 | 0.7 | 19.5 |
| 1 6 | 6 15.68 | +21 37.0 | 2.070 | 3.038 | 3.9 | 19.8 |
| 1 16 | 6 7.00 | +22 5.2 | 2.133 | 3.057 | 7.6 | 20.0 |
| 1 26 | 6 0.22 | +22 30.8 | 2.224 | 3.076 | 10.8 | 20.3 |
| 2 5 | 5 55.84 | +22 54.0 | 2.337 | 3.094 | 13.5 | 20.5 |

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **28524** | Ebright | | 12 27.4 | 163.°57 | 1.°5/27.2 | 18 |
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.04 | +26 44.3 | 1.923 | 2.772 | 12.5 | 19.8 |
| 12 7 | 6 47.16 | +27 2.2 | 1.857 | 2.778 | 8.9 | 19.6 |
| 12 17 | 6 36.97 | +27 17.4 | 1.817 | 2.783 | 4.8 | 19.3 |
| 12 27 | 6 25.49 | +27 26.7 | 1.806 | 2.788 | 1.5 | 19.1 |
| 1 6 | 6 14.03 | +27 28.6 | 1.825 | 2.791 | 4.6 | 19.3 |
| 1 16 | 6 3.83 | +27 23.3 | 1.873 | 2.795 | 8.6 | 19.6 |
| 1 26 | 5 55.93 | +27 12.9 | 1.948 | 2.797 | 12.2 | 19.8 |
| 2 5 | 5 50.92 | +26 59.8 | 2.044 | 2.799 | 15.2 | 20.0 |
| **308783** | 2006 $QP_3$ | | 12 27.4 | 103.°14 | 3.°9/27.4 | 18 |
| 11 27 | 7 0.53 | +32 54.7 | 1.533 | 2.381 | 15.1 | 20.3 |
| 12 7 | 6 51.22 | +33 9.1 | 1.487 | 2.404 | 11.0 | 20.2 |
| 12 17 | 6 39.07 | +33 12.7 | 1.466 | 2.426 | 6.6 | 20.0 |
| 12 27 | 6 25.56 | +33 1.0 | 1.472 | 2.447 | 3.9 | 19.8 |
| 1 6 | 6 12.49 | +32 33.5 | 1.507 | 2.468 | 6.2 | 20.0 |
| 1 16 | 6 1.45 | +31 53.6 | 1.570 | 2.488 | 10.2 | 20.3 |
| 1 26 | 5 53.57 | +31 6.7 | 1.657 | 2.507 | 14.0 | 20.6 |
| 2 5 | 5 49.29 | +30 18.5 | 1.765 | 2.526 | 17.1 | 20.9 |
| **30346** | 2000 $JK_{37}$ | | 12 27.4 | 242.°53 | 2.°5/27.4 | 18 |
| 11 27 | 6 47.34 | +15 28.4 | 2.806 | 3.641 | 9.4 | 18.6 |
| 12 7 | 6 41.25 | +14 59.0 | 2.717 | 3.627 | 6.9 | 18.4 |
| 12 17 | 6 33.73 | +14 33.3 | 2.655 | 3.612 | 4.2 | 18.2 |
| 12 27 | 6 25.39 | +14 11.9 | 2.623 | 3.598 | 2.5 | 18.0 |
| 1 6 | 6 16.96 | +13 55.3 | 2.623 | 3.583 | 4.0 | 18.1 |
| 1 16 | 6 9.18 | +13 44.0 | 2.653 | 3.567 | 6.8 | 18.3 |
| 1 26 | 6 2.70 | +13 37.8 | 2.711 | 3.551 | 9.5 | 18.4 |
| 2 5 | 5 58.01 | +13 36.5 | 2.792 | 3.535 | 11.8 | 18.6 |
| **120344** | 2004 $RU_{150}$ | | 12 27.4 | 102.°45 | 0.°4/27.4 | 18 |
| 11 27 | 6 49.34 | +21 23.4 | 2.158 | 3.008 | 11.3 | 20.2 |
| 12 7 | 6 42.90 | +21 35.5 | 2.096 | 3.018 | 7.9 | 20.0 |
| 12 17 | 6 34.65 | +21 49.5 | 2.060 | 3.027 | 4.2 | 19.7 |
| 12 27 | 6 25.42 | +22 4.0 | 2.053 | 3.037 | 0.4 | 19.5 |
| 1 6 | 6 16.22 | +22 17.4 | 2.077 | 3.046 | 3.8 | 19.8 |
| 1 16 | 6 8.01 | +22 29.2 | 2.129 | 3.055 | 7.5 | 20.0 |
| 1 26 | 6 1.63 | +22 39.6 | 2.209 | 3.063 | 10.8 | 20.2 |
| 2 5 | 5 57.57 | +22 48.9 | 2.311 | 3.072 | 13.5 | 20.4 |
| **418753** | 2008 $UP_{177}$ | | 12 27.4 | 343.°69 | 3.°1/27.0 | 18 |
| 11 27 | 6 48.83 | +30 43.3 | 1.868 | 2.726 | 12.4 | 20.8 |
| 12 7 | 6 43.04 | +31 10.5 | 1.796 | 2.718 | 9.0 | 20.5 |
| 12 17 | 6 34.92 | +31 32.5 | 1.748 | 2.711 | 5.3 | 20.3 |
| 12 27 | 6 25.43 | +31 45.7 | 1.728 | 2.705 | 3.1 | 20.2 |
| 1 6 | 6 15.83 | +31 47.9 | 1.737 | 2.699 | 5.3 | 20.3 |
| 1 16 | 6 7.37 | +31 39.3 | 1.773 | 2.694 | 9.0 | 20.5 |
| 1 26 | 6 1.15 | +31 22.1 | 1.833 | 2.689 | 12.6 | 20.7 |
| 2 5 | 5 57.78 | +30 59.7 | 1.915 | 2.685 | 15.6 | 20.9 |
| **271245** | 2003 $UM_{73}$ | | 12 27.4 | 47.°46 | 3.°9/27.6 | 17 |
| 11 27 | 6 47.41 | +12 52.4 | 2.060 | 2.902 | 12.1 | 19.7 |
| 12 7 | 6 41.53 | +12 21.3 | 1.999 | 2.910 | 8.9 | 19.5 |
| 12 17 | 6 33.92 | +11 58.1 | 1.963 | 2.917 | 5.8 | 19.3 |
| 12 27 | 6 25.40 | +11 44.0 | 1.955 | 2.925 | 3.9 | 19.2 |
| 1 6 | 6 16.92 | +11 39.3 | 1.976 | 2.933 | 5.4 | 19.4 |
| 1 16 | 6 9.42 | +11 43.6 | 2.025 | 2.941 | 8.4 | 19.6 |
| 1 26 | 6 3.67 | +11 55.7 | 2.100 | 2.949 | 11.5 | 19.8 |
| 2 5 | 6 0.16 | +12 13.9 | 2.197 | 2.957 | 14.1 | 20.0 |
| **458557** | 2011 $EC_{43}$ | | 12 27.4 | 327.°23 | 6.°3/27.0 | 18 |
| 11 27 | 6 52.94 | +40 13.2 | 1.912 | 2.749 | 13.1 | 20.5 |
| 12 7 | 6 46.11 | +40 44.7 | 1.838 | 2.739 | 10.2 | 20.3 |
| 12 17 | 6 36.59 | +41 2.6 | 1.789 | 2.729 | 7.6 | 20.1 |
| 12 27 | 6 25.50 | +41 1.6 | 1.766 | 2.719 | 6.3 | 20.0 |
| 1 6 | 6 14.33 | +40 39.4 | 1.771 | 2.710 | 7.6 | 20.1 |
| 1 16 | 6 4.57 | +39 57.7 | 1.802 | 2.702 | 10.3 | 20.2 |
| 1 26 | 5 57.43 | +39 1.7 | 1.858 | 2.694 | 13.4 | 20.4 |
| 2 5 | 5 53.56 | +37 57.6 | 1.935 | 2.686 | 16.1 | 20.6 |
| **103693** | 2000 $CY_{72}$ | | 12 27.4 | 20.°12 | 0.°8/27.4 | 18 |
| 11 27 | 6 50.51 | +22 13.7 | 1.402 | 2.270 | 15.1 | 18.8 |
| 12 7 | 6 44.40 | +21 55.4 | 1.345 | 2.275 | 10.7 | 18.5 |
| 12 17 | 6 35.64 | +21 38.2 | 1.311 | 2.281 | 5.6 | 18.2 |
| 12 27 | 6 25.47 | +21 21.3 | 1.304 | 2.287 | 0.9 | 17.9 |
| 1 6 | 6 15.40 | +21 4.9 | 1.323 | 2.294 | 5.2 | 18.2 |
| 1 16 | 6 6.87 | +20 49.8 | 1.369 | 2.301 | 10.1 | 18.5 |
| 1 26 | 6 1.03 | +20 37.3 | 1.438 | 2.310 | 14.4 | 18.8 |
| 2 5 | 5 58.43 | +20 28.0 | 1.527 | 2.319 | 18.0 | 19.1 |
| **214359** | 2005 $KU_7$ | | 12 27.4 | 95.°65 | 0.°6/27.3 | 18 |
| 11 27 | 6 51.19 | +23 6.2 | 1.829 | 2.685 | 12.7 | 20.3 |
| 12 7 | 6 44.55 | +23 40.1 | 1.765 | 2.690 | 9.0 | 20.1 |
| 12 17 | 6 35.66 | +24 15.9 | 1.727 | 2.695 | 4.7 | 19.8 |
| 12 27 | 6 25.48 | +24 50.1 | 1.717 | 2.700 | 0.6 | 19.5 |
| 1 6 | 6 15.24 | +25 20.0 | 1.736 | 2.705 | 4.4 | 19.8 |
| 1 16 | 6 6.17 | +25 44.3 | 1.784 | 2.710 | 8.7 | 20.1 |
| 1 26 | 5 59.29 | +26 3.3 | 1.857 | 2.714 | 12.4 | 20.4 |
| 2 5 | 5 55.22 | +26 18.0 | 1.952 | 2.719 | 15.4 | 20.6 |

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **201323** | 2002 $TJ_{127}$ | | 12 27.4 | 121.°08 | 0.°3/27.4 | 17 |
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.00 | +24 49.8 | 2.418 | 3.267 | 10.3 | 20.1 |
| 12 7 | 6 42.53 | +24 41.3 | 2.351 | 3.272 | 7.2 | 20.0 |
| 12 17 | 6 34.42 | +24 31.3 | 2.310 | 3.277 | 3.8 | 19.7 |
| 12 27 | 6 25.45 | +24 18.8 | 2.299 | 3.283 | 0.3 | 19.5 |
| 1 6 | 6 16.52 | +24 3.6 | 2.319 | 3.288 | 3.5 | 19.7 |
| 1 16 | 6 8.52 | +23 46.5 | 2.369 | 3.293 | 6.9 | 20.0 |
| 1 26 | 6 2.21 | +23 28.5 | 2.446 | 3.297 | 10.0 | 20.2 |
| 2 5 | 5 58.04 | +23 10.9 | 2.546 | 3.302 | 12.5 | 20.4 |
| **453670** | 2010 $VW_{12}$ | | 12 27.4 | 105.°09 | 0.°8/27.3 | 17 |
| 11 27 | 6 51.17 | +25 43.1 | 1.992 | 2.845 | 12.0 | 21.7 |
| 12 7 | 6 44.34 | +25 43.4 | 1.928 | 2.851 | 8.4 | 21.5 |
| 12 17 | 6 35.46 | +25 41.6 | 1.890 | 2.857 | 4.4 | 21.3 |
| 12 27 | 6 25.49 | +25 35.9 | 1.881 | 2.864 | 0.8 | 21.0 |
| 1 6 | 6 15.57 | +25 25.5 | 1.901 | 2.870 | 4.2 | 21.3 |
| 1 16 | 6 6.83 | +25 11.3 | 1.951 | 2.876 | 8.1 | 21.5 |
| 1 26 | 6 0.16 | +24 54.9 | 2.026 | 2.882 | 11.6 | 21.7 |
| 2 5 | 5 56.10 | +24 38.1 | 2.124 | 2.887 | 14.5 | 22.0 |
| **233238** | 2005 $YS_{75}$ | | 12 27.4 | 280.°22 | 2.°1/27.3 | 18 |
| 11 27 | 6 53.82 | +28 35.0 | 1.567 | 2.426 | 14.3 | 20.5 |
| 12 7 | 6 46.85 | +28 40.3 | 1.493 | 2.418 | 10.2 | 20.2 |
| 12 17 | 6 37.04 | +28 40.3 | 1.444 | 2.410 | 5.7 | 20.0 |
| 12 27 | 6 25.56 | +28 31.7 | 1.421 | 2.402 | 2.1 | 19.7 |
| 1 6 | 6 13.95 | +28 13.1 | 1.426 | 2.394 | 5.5 | 19.9 |
| 1 16 | 6 3.79 | +27 45.9 | 1.459 | 2.386 | 10.1 | 20.2 |
| 1 26 | 5 56.36 | +27 13.7 | 1.516 | 2.378 | 14.4 | 20.4 |
| 2 5 | 5 52.35 | +26 40.3 | 1.593 | 2.370 | 18.0 | 20.6 |
| **204863** | 2007 $RF_{211}$ | | 12 27.4 | 27.°60 | 1.°3/27.3 | 18 |
| 11 27 | 6 51.93 | +26 13.8 | 1.423 | 2.291 | 15.0 | 20.3 |
| 12 7 | 6 45.48 | +26 19.3 | 1.367 | 2.296 | 10.6 | 20.1 |
| 12 17 | 6 36.26 | +26 22.2 | 1.333 | 2.302 | 5.6 | 19.8 |
| 12 27 | 6 25.53 | +26 19.6 | 1.326 | 2.309 | 1.3 | 19.5 |
| 1 6 | 6 14.89 | +26 10.3 | 1.346 | 2.316 | 5.3 | 19.8 |
| 1 16 | 6 5.87 | +25 55.3 | 1.392 | 2.323 | 10.1 | 20.1 |
| 1 26 | 5 59.64 | +25 37.2 | 1.463 | 2.331 | 14.4 | 20.4 |
| 2 5 | 5 56.79 | +25 18.5 | 1.552 | 2.340 | 17.9 | 20.6 |
| **283630** | 2002 $CV_{309}$ | | 12 27.4 | 294.°38 | 6.°9/28.3 | 18 |
| 11 27 | 6 49.27 | + 6 26.2 | 1.574 | 2.409 | 15.5 | 20.4 |
| 12 7 | 6 43.48 | + 6 9.3 | 1.498 | 2.397 | 12.2 | 20.2 |
| 12 17 | 6 35.25 | + 6 10.3 | 1.443 | 2.385 | 8.8 | 20.0 |
| 12 27 | 6 25.51 | + 6 31.4 | 1.414 | 2.373 | 6.9 | 19.8 |
| 1 6 | 6 15.50 | + 7 12.1 | 1.412 | 2.361 | 8.1 | 19.9 |
| 1 16 | 6 6.55 | + 8 9.5 | 1.436 | 2.349 | 11.4 | 20.0 |
| 1 26 | 5 59.82 | + 9 19.1 | 1.484 | 2.338 | 15.1 | 20.2 |
| 2 5 | 5 56.03 | +10 35.5 | 1.552 | 2.326 | 18.5 | 20.4 |
| **383484** | 2007 $BA_{22}$ | | 12 27.4 | 9.°18 | 7.°1/27.5 | 18 |
| 11 27 | 6 52.78 | +36 50.1 | 0.988 | 1.866 | 19.1 | 19.8 |
| 12 7 | 6 47.20 | +37 15.0 | 0.940 | 1.867 | 14.4 | 19.5 |
| 12 17 | 6 37.52 | +37 21.7 | 0.912 | 1.870 | 9.8 | 19.3 |
| 12 27 | 6 25.58 | +37 2.6 | 0.905 | 1.875 | 7.1 | 19.2 |
| 1 6 | 6 13.89 | +36 16.3 | 0.921 | 1.881 | 9.3 | 19.3 |
| 1 16 | 6 4.75 | +35 8.5 | 0.960 | 1.889 | 13.8 | 19.6 |
| 1 26 | 5 59.71 | +33 49.0 | 1.019 | 1.898 | 18.3 | 19.9 |
| 2 5 | 5 59.24 | +32 27.1 | 1.095 | 1.909 | 22.2 | 20.2 |
| **401105** | 2011 $UQ_{218}$ | | 12 27.4 | 205.°56 | 1.°4/27.2 | 18 |
| 11 27 | 6 52.78 | +26 30.0 | 2.200 | 3.046 | 11.3 | 22.4 |
| 12 7 | 6 45.51 | +26 55.3 | 2.122 | 3.041 | 8.0 | 22.2 |
| 12 17 | 6 36.15 | +27 19.0 | 2.070 | 3.035 | 4.3 | 22.0 |
| 12 27 | 6 25.55 | +27 38.0 | 2.048 | 3.029 | 1.4 | 21.8 |
| 1 6 | 6 14.80 | +27 50.3 | 2.056 | 3.022 | 4.2 | 21.9 |
| 1 16 | 6 5.03 | +27 55.7 | 2.094 | 3.014 | 7.9 | 22.2 |
| 1 26 | 5 57.20 | +27 55.2 | 2.159 | 3.006 | 11.3 | 22.4 |
| 2 5 | 5 51.93 | +27 50.9 | 2.247 | 2.997 | 14.2 | 22.5 |
| **151715** | 2003 $BZ_{46}$ | | 12 27.4 | 254.°41 | 0.°1/27.4 | 18 |
| 11 27 | 6 53.26 | +21 10.5 | 1.763 | 2.615 | 13.3 | 20.1 |
| 12 7 | 6 46.36 | +21 52.1 | 1.676 | 2.599 | 9.5 | 19.8 |
| 12 17 | 6 36.84 | +22 39.1 | 1.615 | 2.582 | 5.0 | 19.5 |
| 12 27 | 6 25.58 | +23 27.8 | 1.582 | 2.565 | 0.2 | 19.1 |
| 1 6 | 6 13.91 | +24 14.2 | 1.579 | 2.548 | 4.8 | 19.4 |
| 1 16 | 6 3.21 | +24 55.8 | 1.604 | 2.529 | 9.5 | 19.7 |
| 1 26 | 5 54.79 | +25 31.7 | 1.655 | 2.511 | 13.7 | 19.9 |
| 2 5 | 5 49.44 | +26 2.4 | 1.727 | 2.492 | 17.2 | 20.1 |
| **124896** | 2001 $TL_{50}$ | | 12 27.4 | 112.°25 | 4.°9/26.8 | 18 |
| 11 27 | 6 59.50 | +35 10.9 | 1.869 | 2.706 | 13.3 | 19.6 |
| 12 7 | 6 50.40 | +36 6.9 | 1.823 | 2.730 | 9.9 | 19.4 |
| 12 17 | 6 38.70 | +36 52.3 | 1.803 | 2.753 | 6.6 | 19.3 |
| 12 27 | 6 25.64 | +37 21.3 | 1.812 | 2.776 | 4.9 | 19.2 |
| 1 6 | 6 12.78 | +37 31.1 | 1.850 | 2.798 | 6.6 | 19.4 |
| 1 16 | 6 1.56 | +37 23.3 | 1.916 | 2.818 | 9.7 | 19.6 |
| 1 26 | 5 53.10 | +37 2.1 | 2.008 | 2.838 | 12.7 | 19.8 |
| 2 5 | 5 47.93 | +36 33.1 | 2.121 | 2.858 | 15.3 | 20.1 |

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **395332** | 2011 $QY_{23}$ | | 12 27.4 | 219.°38 | 1.°6/27.4 | 18 |
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.93 | +19 33.9 | 1.854 | 2.705 | 12.8 | 21.3 |
| 12 7 | 6 45.04 | +19 16.7 | 1.779 | 2.700 | 9.2 | 21.0 |
| 12 17 | 6 35.94 | +19 2.1 | 1.729 | 2.695 | 5.0 | 20.8 |
| 12 27 | 6 25.55 | +18 49.9 | 1.708 | 2.689 | 1.7 | 20.5 |
| 1 6 | 6 15.09 | +18 40.0 | 1.716 | 2.683 | 4.7 | 20.7 |
| 1 16 | 6 5.74 | +18 32.6 | 1.752 | 2.677 | 8.9 | 21.0 |
| 1 26 | 5 58.51 | +18 28.4 | 1.815 | 2.670 | 12.7 | 21.2 |
| 2 5 | 5 54.02 | +18 27.6 | 1.898 | 2.663 | 15.9 | 21.4 |
| **442225** | 2011 $KQ_7$ | | 12 27.4 | 226.°72 | 0.°4/27.3 | 18 |
| 11 27 | 6 53.60 | +23 18.7 | 1.898 | 2.748 | 12.6 | 21.9 |
| 12 7 | 6 46.36 | +23 39.9 | 1.816 | 2.738 | 8.9 | 21.7 |
| 12 17 | 6 36.72 | +24 2.4 | 1.759 | 2.727 | 4.7 | 21.4 |
| 12 27 | 6 25.59 | +24 23.2 | 1.732 | 2.715 | 0.4 | 21.1 |
| 1 6 | 6 14.22 | +24 40.1 | 1.735 | 2.703 | 4.5 | 21.3 |
| 1 16 | 6 3.89 | +24 52.3 | 1.766 | 2.690 | 8.9 | 21.6 |
| 1 26 | 5 55.75 | +25 0.4 | 1.824 | 2.677 | 12.8 | 21.8 |
| 2 5 | 5 50.50 | +25 5.9 | 1.903 | 2.663 | 16.0 | 22.0 |
| **46196** | 2001 $FH_{145}$ | | 12 27.4 | 43.°11 | 1.°8/27.0 | 18 |
| 11 27 | 6 52.53 | +24 29.4 | 1.377 | 2.245 | 15.4 | 17.7 |
| 12 7 | 6 45.91 | +25 32.5 | 1.334 | 2.263 | 10.8 | 17.5 |
| 12 17 | 6 36.50 | +26 36.5 | 1.314 | 2.282 | 5.7 | 17.2 |
| 12 27 | 6 25.57 | +27 35.2 | 1.320 | 2.302 | 1.8 | 17.0 |
| 1 6 | 6 14.77 | +28 23.8 | 1.354 | 2.322 | 5.6 | 17.3 |
| 1 16 | 6 5.63 | +29 0.2 | 1.415 | 2.343 | 10.3 | 17.7 |
| 1 26 | 5 59.37 | +29 25.5 | 1.499 | 2.364 | 14.3 | 18.0 |
| 2 5 | 5 56.54 | +29 42.2 | 1.603 | 2.385 | 17.6 | 18.2 |
| **450854** | 2007 $WJ_{63}$ | | 12 27.4 | 75.°73 | 1.°5/27.0 | 18 |
| 11 27 | 6 53.12 | +23 56.4 | 1.746 | 2.601 | 13.3 | 21.1 |
| 12 7 | 6 45.99 | +25 4.8 | 1.692 | 2.616 | 9.3 | 20.8 |
| 12 17 | 6 36.46 | +26 15.0 | 1.664 | 2.631 | 4.9 | 20.6 |
| 12 27 | 6 25.57 | +27 21.2 | 1.665 | 2.647 | 1.5 | 20.4 |
| 1 6 | 6 14.66 | +28 19.0 | 1.696 | 2.662 | 4.9 | 20.7 |
| 1 16 | 6 5.03 | +29 5.9 | 1.755 | 2.678 | 9.0 | 21.0 |
| 1 26 | 5 57.79 | +29 42.1 | 1.840 | 2.693 | 12.7 | 21.2 |
| 2 5 | 5 53.53 | +30 9.6 | 1.946 | 2.708 | 15.7 | 21.5 |
| **489218** | 2006 $KJ_{47}$ | | 12 27.4 | 173.°29 | 2.°8/27.6 | 18 |
| 11 27 | 6 46.93 | +14 14.9 | 2.540 | 3.377 | 10.2 | 21.7 |
| 12 7 | 6 41.02 | +13 54.1 | 2.468 | 3.378 | 7.5 | 21.5 |
| 12 17 | 6 33.65 | +13 39.0 | 2.423 | 3.379 | 4.6 | 21.4 |
| 12 27 | 6 25.48 | +13 30.0 | 2.407 | 3.380 | 2.8 | 21.2 |
| 1 6 | 6 17.28 | +13 27.2 | 2.421 | 3.380 | 4.3 | 21.3 |
| 1 16 | 6 9.85 | +13 30.4 | 2.465 | 3.381 | 7.1 | 21.5 |
| 1 26 | 6 3.86 | +13 38.8 | 2.536 | 3.381 | 9.9 | 21.7 |
| 2 5 | 5 59.77 | +13 51.6 | 2.630 | 3.381 | 12.3 | 21.9 |
| **357638** | 2005 $GD_{94}$ | | 12 27.4 | 88.°22 | 5.°8/26.8 | 18 |
| 11 27 | 6 56.46 | +37 27.9 | 1.802 | 2.642 | 13.6 | 20.7 |
| 12 7 | 6 48.47 | +38 22.1 | 1.753 | 2.658 | 10.3 | 20.5 |
| 12 17 | 6 37.77 | +39 4.1 | 1.729 | 2.674 | 7.2 | 20.4 |
| 12 27 | 6 25.62 | +39 27.9 | 1.732 | 2.690 | 5.8 | 20.3 |
| 1 6 | 6 13.60 | +39 30.9 | 1.763 | 2.706 | 7.3 | 20.4 |
| 1 16 | 6 3.22 | +39 14.6 | 1.822 | 2.722 | 10.2 | 20.6 |
| 1 26 | 5 55.62 | +38 44.0 | 1.904 | 2.737 | 13.2 | 20.9 |
| 2 5 | 5 51.37 | +38 4.8 | 2.008 | 2.752 | 15.8 | 21.1 |
| **399847** | 2005 $UV_{121}$ | | 12 27.4 | 70.°18 | 4.°8/27.6 | 18 |
| 11 27 | 6 49.17 | +11 14.6 | 1.906 | 2.744 | 13.1 | 21.3 |
| 12 7 | 6 42.82 | +10 31.2 | 1.850 | 2.757 | 9.8 | 21.1 |
| 12 17 | 6 34.64 | + 9 57.5 | 1.820 | 2.769 | 6.6 | 20.9 |
| 12 27 | 6 25.51 | + 9 35.4 | 1.817 | 2.782 | 4.8 | 20.8 |
| 1 6 | 6 16.49 | + 9 25.6 | 1.842 | 2.794 | 6.2 | 20.9 |
| 1 16 | 6 8.57 | + 9 27.7 | 1.896 | 2.807 | 9.2 | 21.1 |
| 1 26 | 6 2.57 | + 9 40.1 | 1.975 | 2.820 | 12.3 | 21.4 |
| 2 5 | 5 58.97 | +10 0.3 | 2.075 | 2.832 | 15.0 | 21.6 |
| **171100** | 2005 $EH_{263}$ | | 12 27.4 | 240.°13 | 0.°4/27.4 | 18 |
| 11 27 | 6 51.22 | +22 10.6 | 1.814 | 2.669 | 12.8 | 20.4 |
| 12 7 | 6 44.63 | +22 12.9 | 1.742 | 2.666 | 9.1 | 20.1 |
| 12 17 | 6 35.75 | +22 16.7 | 1.694 | 2.662 | 4.8 | 19.9 |
| 12 27 | 6 25.56 | +22 20.3 | 1.675 | 2.658 | 0.4 | 19.5 |
| 1 6 | 6 15.27 | +22 22.5 | 1.685 | 2.654 | 4.5 | 19.8 |
| 1 16 | 6 6.13 | +22 23.1 | 1.723 | 2.650 | 8.8 | 20.1 |
| 1 26 | 5 59.18 | +22 23.0 | 1.787 | 2.646 | 12.7 | 20.3 |
| 2 5 | 5 55.03 | +22 22.9 | 1.872 | 2.642 | 15.9 | 20.5 |
| **223510** | 2004 $CC_{22}$ | | 12 27.4 | 262.°53 | 1.°6/27.5 | 18 |
| 11 27 | 6 53.03 | +19 26.8 | 1.611 | 2.466 | 14.2 | 20.6 |
| 12 7 | 6 46.27 | +19 23.8 | 1.526 | 2.449 | 10.2 | 20.3 |
| 12 17 | 6 36.80 | +19 25.2 | 1.465 | 2.432 | 5.6 | 20.0 |
| 12 27 | 6 25.60 | +19 29.7 | 1.432 | 2.414 | 1.6 | 19.7 |
| 1 6 | 6 14.06 | +19 36.2 | 1.427 | 2.396 | 5.2 | 19.9 |
| 1 16 | 6 3.64 | +19 44.1 | 1.450 | 2.377 | 10.1 | 20.1 |
| 1 26 | 5 55.65 | +19 53.6 | 1.497 | 2.358 | 14.6 | 20.4 |
| 2 5 | 5 50.88 | +20 4.9 | 1.564 | 2.339 | 18.4 | 20.6 |

**267861** 2003 $WA_{31}$ 12 27.4 132.°36 4.°6/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.63 | + 9 34.9 | 2.436 | 3.261 | 11.0 | 19.9 |
| 12 7 | 6 41.49 | + 8 51.1 | 2.371 | 3.267 | 8.4 | 19.7 |
| 12 17 | 6 33.88 | + 8 15.9 | 2.331 | 3.274 | 5.9 | 19.6 |
| 12 27 | 6 25.49 | + 7 50.9 | 2.321 | 3.279 | 4.6 | 19.5 |
| 1 6 | 6 17.13 | + 7 37.0 | 2.341 | 3.285 | 5.7 | 19.6 |
| 1 16 | 6 9.58 | + 7 34.1 | 2.389 | 3.291 | 8.1 | 19.7 |
| 1 26 | 6 3.53 | + 7 41.1 | 2.464 | 3.296 | 10.6 | 19.9 |
| 2 5 | 5 59.42 | + 7 56.1 | 2.561 | 3.301 | 12.9 | 20.1 |

**195075** 2002 $CH_{100}$ 12 27.4 329.°36 1.°6/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.67 | +19 13.4 | 1.355 | 2.224 | 15.5 | 20.1 |
| 12 7 | 6 44.15 | +19 18.7 | 1.283 | 2.213 | 11.1 | 19.9 |
| 12 17 | 6 35.75 | +19 30.6 | 1.234 | 2.203 | 6.1 | 19.5 |
| 12 27 | 6 25.57 | +19 47.4 | 1.210 | 2.193 | 1.6 | 19.2 |
| 1 6 | 6 15.13 | +20 7.1 | 1.213 | 2.183 | 5.6 | 19.5 |
| 1 16 | 6 6.04 | +20 28.1 | 1.241 | 2.175 | 10.8 | 19.7 |
| 1 26 | 5 59.65 | +20 49.8 | 1.292 | 2.167 | 15.5 | 20.0 |
| 2 5 | 5 56.73 | +21 11.6 | 1.363 | 2.160 | 19.5 | 20.2 |

**409815** 2006 $JL_{15}$ 12 27.4 339.°04 3.°1/26.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.33 | +29 52.7 | 1.799 | 2.659 | 12.7 | 20.4 |
| 12 7 | 6 43.55 | +30 35.1 | 1.726 | 2.650 | 9.2 | 20.1 |
| 12 17 | 6 35.30 | +31 14.0 | 1.678 | 2.642 | 5.4 | 19.9 |
| 12 27 | 6 25.56 | +31 44.7 | 1.658 | 2.634 | 3.1 | 19.7 |
| 1 6 | 6 15.63 | +32 4.0 | 1.665 | 2.627 | 5.5 | 19.9 |
| 1 16 | 6 6.85 | +32 11.4 | 1.700 | 2.621 | 9.4 | 20.1 |
| 1 26 | 6 0.36 | +32 8.5 | 1.760 | 2.615 | 13.0 | 20.3 |
| 2 5 | 5 56.86 | +31 58.5 | 1.840 | 2.610 | 16.1 | 20.5 |

**38192** 1999 $LP_{6}$ 12 27.4 54.°43 0.°4/27.4 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.96 | +21 25.5 | 1.816 | 2.673 | 12.8 | 19.3 |
| 12 7 | 6 43.65 | +21 38.9 | 1.755 | 2.680 | 9.0 | 19.1 |
| 12 17 | 6 35.19 | +21 54.9 | 1.719 | 2.687 | 4.7 | 18.8 |
| 12 27 | 6 25.56 | +22 11.5 | 1.711 | 2.695 | 0.4 | 18.5 |
| 1 6 | 6 15.94 | +22 27.0 | 1.732 | 2.702 | 4.3 | 18.8 |
| 1 16 | 6 7.49 | +22 40.6 | 1.782 | 2.710 | 8.5 | 19.1 |
| 1 26 | 6 1.17 | +22 52.4 | 1.856 | 2.717 | 12.2 | 19.3 |
| 2 5 | 5 57.55 | +23 2.9 | 1.953 | 2.725 | 15.3 | 19.6 |

**490963** 2011 $DS_{36}$ 12 27.4 213.°23 5.°1/28.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 45.80 | + 3 33.4 | 2.967 | 3.765 | 10.0 | 22.6 |
| 12 7 | 6 40.12 | + 3 18.0 | 2.886 | 3.758 | 8.0 | 22.4 |
| 12 17 | 6 33.17 | + 3 13.9 | 2.830 | 3.750 | 6.1 | 22.3 |
| 12 27 | 6 25.49 | + 3 22.2 | 2.803 | 3.742 | 5.1 | 22.2 |
| 1 6 | 6 17.73 | + 3 42.7 | 2.806 | 3.734 | 5.8 | 22.3 |
| 1 16 | 6 10.53 | + 4 14.6 | 2.838 | 3.725 | 7.5 | 22.4 |
| 1 26 | 6 4.50 | + 4 55.8 | 2.897 | 3.716 | 9.6 | 22.5 |
| 2 5 | 6 0.06 | + 5 43.6 | 2.980 | 3.706 | 11.5 | 22.6 |

**183457** 2003 $BC_{35}$ 12 27.4 282.°98 0.°9/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.97 | +20 38.6 | 1.935 | 2.788 | 12.2 | 20.7 |
| 12 7 | 6 43.79 | +20 37.3 | 1.846 | 2.769 | 8.8 | 20.4 |
| 12 17 | 6 35.38 | +20 38.5 | 1.782 | 2.749 | 4.7 | 20.2 |
| 12 27 | 6 25.58 | +20 41.3 | 1.746 | 2.729 | 1.0 | 19.8 |
| 1 6 | 6 15.51 | +20 44.6 | 1.740 | 2.709 | 4.4 | 20.1 |
| 1 16 | 6 6.35 | +20 48.1 | 1.762 | 2.689 | 8.7 | 20.3 |
| 1 26 | 5 59.18 | +20 52.1 | 1.810 | 2.669 | 12.6 | 20.5 |
| 2 5 | 5 54.67 | +20 57.0 | 1.880 | 2.648 | 15.9 | 20.7 |

**164922** 1999 $XZ_{72}$ 12 27.4 33.°28 2.°3/27.4 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.09 | +19 41.8 | 1.336 | 2.204 | 15.7 | 18.6 |
| 12 7 | 6 44.77 | +19 5.7 | 1.287 | 2.216 | 11.2 | 18.4 |
| 12 17 | 6 35.84 | +18 33.4 | 1.261 | 2.229 | 6.2 | 18.1 |
| 12 27 | 6 25.59 | +18 5.7 | 1.261 | 2.242 | 2.3 | 17.9 |
| 1 6 | 6 15.58 | +17 43.3 | 1.288 | 2.257 | 5.7 | 18.2 |
| 1 16 | 6 7.21 | +17 27.3 | 1.340 | 2.272 | 10.4 | 18.5 |
| 1 26 | 6 1.58 | +17 17.9 | 1.416 | 2.287 | 14.7 | 18.8 |
| 2 5 | 5 59.17 | +17 14.7 | 1.512 | 2.303 | 18.1 | 19.0 |

**278125** 2007 $CG_{33}$ 12 27.4 262.°28 1.°8/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.37 | +18 18.4 | 1.635 | 2.489 | 14.1 | 21.8 |
| 12 7 | 6 45.77 | +18 22.1 | 1.552 | 2.474 | 10.1 | 21.6 |
| 12 17 | 6 36.54 | +18 31.9 | 1.492 | 2.458 | 5.6 | 21.3 |
| 12 27 | 6 25.63 | +18 46.6 | 1.461 | 2.442 | 1.8 | 21.0 |
| 1 6 | 6 14.40 | +19 4.4 | 1.457 | 2.426 | 5.2 | 21.2 |
| 1 16 | 6 4.26 | +19 24.2 | 1.482 | 2.409 | 10.0 | 21.4 |
| 1 26 | 5 56.48 | +19 45.3 | 1.531 | 2.392 | 14.3 | 21.6 |
| 2 5 | 5 51.82 | +20 7.4 | 1.600 | 2.375 | 18.0 | 21.8 |

**115379** 2003 $SE_{271}$ 12 27.4 43.°29 3.°0/27.9 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.45 | +13 25.6 | 2.057 | 2.900 | 12.0 | 19.3 |
| 12 7 | 6 41.67 | +13 33.8 | 1.993 | 2.906 | 8.8 | 19.1 |
| 12 17 | 6 34.10 | +13 51.0 | 1.953 | 2.912 | 5.4 | 18.9 |
| 12 27 | 6 25.54 | +14 16.6 | 1.942 | 2.918 | 3.0 | 18.8 |
| 1 6 | 6 16.95 | +14 48.9 | 1.961 | 2.924 | 4.8 | 18.9 |
| 1 16 | 6 9.28 | +15 26.2 | 2.008 | 2.930 | 8.1 | 19.1 |
| 1 26 | 6 3.38 | +16 6.5 | 2.081 | 2.936 | 11.3 | 19.3 |
| 2 5 | 5 59.75 | +16 47.8 | 2.176 | 2.943 | 14.1 | 19.5 |

**232657** 2003 $WV_{37}$ 12 27.4 4.°99 6.°1/26.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.56 | +37 18.9 | 1.629 | 2.483 | 14.1 | 19.5 |
| 12 7 | 6 44.65 | +38 4.9 | 1.571 | 2.484 | 10.8 | 19.3 |
| 12 17 | 6 35.93 | +38 39.1 | 1.536 | 2.485 | 7.6 | 19.2 |
| 12 27 | 6 25.61 | +38 55.4 | 1.526 | 2.487 | 6.1 | 19.1 |
| 1 6 | 6 15.28 | +38 51.1 | 1.543 | 2.491 | 7.7 | 19.2 |
| 1 16 | 6 6.49 | +38 27.6 | 1.586 | 2.495 | 10.8 | 19.4 |
| 1 26 | 6 0.48 | +37 49.5 | 1.652 | 2.500 | 14.1 | 19.6 |
| 2 5 | 5 57.86 | +37 2.7 | 1.738 | 2.506 | 17.0 | 19.8 |

**10854** 1995 $DO_{1}$ 12 27.4 267.°95 2.°7/27.0 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.02 | +28 51.6 | 1.725 | 2.580 | 13.4 | 18.7 |
| 12 7 | 6 47.06 | +29 25.8 | 1.640 | 2.562 | 9.7 | 18.5 |
| 12 17 | 6 37.28 | +29 57.1 | 1.579 | 2.543 | 5.6 | 18.2 |
| 12 27 | 6 25.67 | +30 20.4 | 1.545 | 2.524 | 2.7 | 17.9 |
| 1 6 | 6 13.68 | +30 32.6 | 1.541 | 2.505 | 5.6 | 18.1 |
| 1 16 | 6 2.83 | +30 32.8 | 1.564 | 2.486 | 10.0 | 18.3 |
| 1 26 | 5 54.50 | +30 23.5 | 1.612 | 2.466 | 14.1 | 18.5 |
| 2 5 | 5 49.50 | +30 8.3 | 1.681 | 2.446 | 17.6 | 18.7 |

**281698** 2008 $WU_{63}$ 12 27.4 145.°98 3.°2/26.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.46 | +29 31.4 | 2.017 | 2.860 | 12.2 | 21.2 |
| 12 7 | 6 48.29 | +30 41.8 | 1.955 | 2.871 | 8.8 | 21.0 |
| 12 17 | 6 37.70 | +31 48.6 | 1.921 | 2.881 | 5.2 | 20.8 |
| 12 27 | 6 25.69 | +32 46.1 | 1.916 | 2.891 | 3.2 | 20.7 |
| 1 6 | 6 13.55 | +33 30.1 | 1.943 | 2.900 | 5.4 | 20.9 |
| 1 16 | 6 2.62 | +33 59.5 | 1.998 | 2.908 | 8.9 | 21.1 |
| 1 26 | 5 53.99 | +34 16.0 | 2.081 | 2.916 | 12.1 | 21.3 |
| 2 5 | 5 48.31 | +34 22.9 | 2.185 | 2.923 | 14.9 | 21.6 |

**151591** 2002 $VW_{7}$ 12 27.4 24.°29 2.°5/27.4 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.69 | +29 17.9 | 1.269 | 2.137 | 16.3 | 19.7 |
| 12 7 | 6 47.74 | +29 15.3 | 1.212 | 2.141 | 11.7 | 19.5 |
| 12 17 | 6 37.59 | +29 5.2 | 1.177 | 2.144 | 6.5 | 19.2 |
| 12 27 | 6 25.68 | +28 44.4 | 1.168 | 2.149 | 2.5 | 19.0 |
| 1 6 | 6 13.90 | +28 12.3 | 1.185 | 2.153 | 6.1 | 19.2 |
| 1 16 | 6 4.06 | +27 31.9 | 1.227 | 2.158 | 11.2 | 19.5 |
| 1 26 | 5 57.47 | +26 48.2 | 1.293 | 2.164 | 15.8 | 19.8 |
| 2 5 | 5 54.71 | +26 5.5 | 1.377 | 2.170 | 19.5 | 20.1 |

**373366** 2012 $KD_{49}$ 12 27.4 185.°17 0.°4/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.80 | +21 25.8 | 2.815 | 3.658 | 9.2 | 22.2 |
| 12 7 | 6 41.61 | +21 30.9 | 2.739 | 3.658 | 6.5 | 22.0 |
| 12 17 | 6 33.98 | +21 37.3 | 2.691 | 3.657 | 3.4 | 21.8 |
| 12 27 | 6 25.55 | +21 43.9 | 2.673 | 3.656 | 0.4 | 21.5 |
| 1 6 | 6 17.08 | +21 50.0 | 2.687 | 3.655 | 3.1 | 21.8 |
| 1 16 | 6 9.32 | +21 55.2 | 2.731 | 3.653 | 6.2 | 22.0 |
| 1 26 | 6 2.94 | +21 59.8 | 2.803 | 3.651 | 9.0 | 22.2 |
| 2 5 | 5 58.39 | +22 4.0 | 2.899 | 3.649 | 11.3 | 22.3 |

**472894** 2015 $FC_{327}$ 12 27.4 136.°16 0.°6/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.43 | +20 13.5 | 1.611 | 2.465 | 14.2 | 21.1 |
| 12 7 | 6 47.02 | +20 40.1 | 1.551 | 2.474 | 10.1 | 20.9 |
| 12 17 | 6 37.07 | +21 11.3 | 1.515 | 2.482 | 5.3 | 20.6 |
| 12 27 | 6 25.68 | +21 44.1 | 1.507 | 2.490 | 0.7 | 20.3 |
| 1 6 | 6 14.28 | +22 15.5 | 1.528 | 2.498 | 4.8 | 20.6 |
| 1 16 | 6 4.26 | +22 43.7 | 1.577 | 2.504 | 9.5 | 20.9 |
| 1 26 | 5 56.75 | +23 8.6 | 1.652 | 2.511 | 13.6 | 21.2 |
| 2 5 | 5 52.38 | +23 30.7 | 1.747 | 2.517 | 16.9 | 21.4 |

**118013** 1338 $T_{-2}$ 12 27.4 72.°49 4.°1/27.0 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.51 | +33 15.7 | 1.829 | 2.679 | 13.0 | 19.7 |
| 12 7 | 6 46.29 | +33 53.0 | 1.775 | 2.691 | 9.5 | 19.5 |
| 12 17 | 6 36.63 | +34 22.1 | 1.746 | 2.703 | 6.0 | 19.3 |
| 12 27 | 6 25.66 | +34 38.3 | 1.744 | 2.715 | 4.1 | 19.2 |
| 1 6 | 6 14.78 | +34 39.7 | 1.771 | 2.727 | 6.0 | 19.4 |
| 1 16 | 6 5.33 | +34 27.2 | 1.826 | 2.740 | 9.3 | 19.6 |
| 1 26 | 5 58.38 | +34 4.2 | 1.906 | 2.752 | 12.6 | 19.8 |
| 2 5 | 5 54.47 | +33 35.1 | 2.006 | 2.764 | 15.4 | 20.1 |

**464173** 2015 $AS_{94}$ 12 27.4 40.°05 2.°0/27.9 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.33 | +14 51.7 | 2.076 | 2.921 | 11.9 | 20.6 |
| 12 7 | 6 42.34 | +15 33.7 | 2.012 | 2.928 | 8.6 | 20.4 |
| 12 17 | 6 34.50 | +16 24.7 | 1.973 | 2.935 | 4.9 | 20.2 |
| 12 27 | 6 25.61 | +17 22.2 | 1.963 | 2.943 | 2.0 | 20.0 |
| 1 6 | 6 16.64 | +18 23.3 | 1.983 | 2.951 | 4.2 | 20.2 |
| 1 16 | 6 8.59 | +19 24.7 | 2.033 | 2.959 | 7.8 | 20.5 |
| 1 26 | 6 2.31 | +20 24.3 | 2.110 | 2.967 | 11.1 | 20.7 |
| 2 5 | 5 58.35 | +21 20.4 | 2.210 | 2.975 | 13.9 | 20.9 |

**195742** 2002 $PD_{101}$ 12 27.4 57.°94 3.°7/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.69 | +13 36.8 | 2.009 | 2.851 | 12.3 | 20.1 |
| 12 7 | 6 42.39 | +13 3.8 | 1.960 | 2.872 | 9.0 | 20.0 |
| 12 17 | 6 34.41 | +12 38.5 | 1.937 | 2.893 | 5.7 | 19.8 |
| 12 27 | 6 25.60 | +12 21.9 | 1.943 | 2.914 | 3.7 | 19.7 |
| 1 6 | 6 16.96 | +12 14.3 | 1.977 | 2.935 | 5.3 | 19.9 |
| 1 16 | 6 9.41 | +12 15.3 | 2.040 | 2.957 | 8.3 | 20.1 |
| 1 26 | 6 3.69 | +12 23.8 | 2.129 | 2.978 | 11.3 | 20.3 |
| 2 5 | 6 0.25 | +12 38.0 | 2.239 | 2.999 | 13.9 | 20.5 |

**131317** 2001 $FF_{180}$ 12 27.4 177.°54 4.°6/26.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.22 | +34 30.4 | 2.103 | 2.943 | 12.0 | 20.1 |
| 12 7 | 6 47.52 | +35 32.6 | 2.036 | 2.944 | 8.9 | 19.9 |
| 12 17 | 6 37.36 | +36 27.5 | 1.994 | 2.945 | 6.0 | 19.7 |
| 12 27 | 6 25.73 | +37 9.4 | 1.982 | 2.946 | 4.6 | 19.6 |
| 1 6 | 6 13.92 | +37 34.8 | 1.999 | 2.946 | 6.2 | 19.7 |
| 1 16 | 6 3.27 | +37 43.4 | 2.045 | 2.946 | 9.2 | 19.9 |
| 1 26 | 5 54.92 | +37 38.0 | 2.117 | 2.946 | 12.2 | 20.1 |
| 2 5 | 5 49.53 | +37 22.8 | 2.210 | 2.944 | 14.8 | 20.3 |

**158809** 2003 $SS_{320}$ 12 27.4 152.°94 0.°2/27.4 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.13 | +23 44.0 | 2.475 | 3.321 | 10.1 | 21.3 |
| 12 7 | 6 42.69 | +23 52.1 | 2.406 | 3.326 | 7.1 | 21.1 |
| 12 17 | 6 34.60 | +24 0.1 | 2.364 | 3.331 | 3.7 | 20.9 |
| 12 27 | 6 25.62 | +24 6.4 | 2.352 | 3.335 | 0.3 | 20.6 |
| 1 6 | 6 16.63 | +24 10.2 | 2.370 | 3.339 | 3.5 | 20.9 |
| 1 16 | 6 8.51 | +24 11.3 | 2.419 | 3.343 | 6.8 | 21.1 |
| 1 26 | 6 2.01 | +24 10.3 | 2.495 | 3.346 | 9.8 | 21.3 |
| 2 5 | 5 57.62 | +24 8.2 | 2.595 | 3.349 | 12.4 | 21.5 |

**971** Alsatia 12 27.4 4.°17 2.°3/26.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.71 | +23 59.7 | 1.340 | 2.211 | 15.5 | 13.3 |
| 12 7 | 6 45.06 | +25 29.1 | 1.279 | 2.211 | 11.0 | 13.0 |
| 12 17 | 6 36.34 | +27 3.7 | 1.242 | 2.211 | 5.9 | 12.7 |
| 12 27 | 6 25.69 | +28 35.5 | 1.231 | 2.212 | 2.3 | 12.5 |
| 1 6 | 6 14.76 | +29 56.6 | 1.248 | 2.215 | 6.2 | 12.7 |
| 1 16 | 6 5.27 | +31 2.4 | 1.290 | 2.218 | 11.1 | 13.0 |
| 1 26 | 5 58.68 | +31 52.4 | 1.356 | 2.222 | 15.5 | 13.3 |
| 2 5 | 5 55.78 | +32 28.7 | 1.441 | 2.227 | 19.1 | 13.6 |

**343695** 2011 $DB_8$ 12 27.4 203.°20 3.°2/27.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.18 | +31 4.1 | 1.925 | 2.770 | 12.7 | 21.7 |
| 12 7 | 6 48.24 | +31 34.5 | 1.849 | 2.766 | 9.2 | 21.5 |
| 12 17 | 6 37.75 | +31 59.1 | 1.800 | 2.761 | 5.5 | 21.2 |
| 12 27 | 6 25.75 | +32 13.2 | 1.779 | 2.755 | 3.2 | 21.1 |
| 1 6 | 6 13.60 | +32 14.4 | 1.788 | 2.749 | 5.5 | 21.2 |
| 1 16 | 6 2.70 | +32 3.2 | 1.826 | 2.742 | 9.2 | 21.4 |
| 1 26 | 5 54.22 | +31 42.7 | 1.890 | 2.734 | 12.8 | 21.6 |
| 2 5 | 5 48.83 | +31 16.8 | 1.975 | 2.725 | 15.8 | 21.8 |

**213287** 2001 $QQ_{59}$ 12 27.4 128.°47 1.°6/27.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.72 | +27 40.8 | 2.230 | 3.075 | 11.1 | 21.5 |
| 12 7 | 6 45.31 | +28 1.7 | 2.171 | 3.089 | 7.9 | 21.3 |
| 12 17 | 6 36.00 | +28 19.3 | 2.138 | 3.103 | 4.3 | 21.1 |
| 12 27 | 6 25.68 | +28 31.1 | 2.135 | 3.116 | 1.6 | 20.9 |
| 1 6 | 6 15.43 | +28 35.7 | 2.163 | 3.129 | 4.1 | 21.1 |
| 1 16 | 6 6.28 | +28 33.1 | 2.221 | 3.141 | 7.6 | 21.4 |
| 1 26 | 5 59.10 | +28 25.2 | 2.305 | 3.152 | 10.7 | 21.6 |
| 2 5 | 5 54.38 | +28 14.0 | 2.413 | 3.163 | 13.3 | 21.8 |

**374677** 2006 $QE_{18}$ 12 27.4 95.°02 1.°1/27.3 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.42 | +24 5.9 | 1.449 | 2.306 | 15.3 | 21.3 |
| 12 7 | 6 49.18 | +24 42.2 | 1.404 | 2.329 | 10.8 | 21.0 |
| 12 17 | 6 38.18 | +25 18.6 | 1.383 | 2.351 | 5.6 | 20.8 |
| 12 27 | 6 25.76 | +25 50.3 | 1.390 | 2.373 | 1.1 | 20.6 |
| 1 6 | 6 13.58 | +26 14.2 | 1.426 | 2.395 | 5.2 | 20.9 |
| 1 16 | 6 3.18 | +26 29.9 | 1.489 | 2.415 | 10.0 | 21.2 |
| 1 26 | 5 55.72 | +26 38.9 | 1.577 | 2.436 | 14.1 | 21.5 |
| 2 5 | 5 51.70 | +26 43.7 | 1.684 | 2.455 | 17.4 | 21.8 |

**367006** 2006 $AM_{67}$ 12 27.4 177.°98 0.°2/27.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.18 | +24 46.1 | 2.324 | 3.172 | 10.7 | 20.8 |
| 12 7 | 6 43.49 | +24 34.6 | 2.252 | 3.173 | 7.5 | 20.6 |
| 12 17 | 6 35.04 | +24 21.4 | 2.206 | 3.173 | 3.9 | 20.4 |
| 12 27 | 6 25.64 | +24 5.5 | 2.190 | 3.174 | 0.3 | 20.1 |
| 1 6 | 6 16.26 | +23 46.9 | 2.205 | 3.174 | 3.7 | 20.4 |
| 1 16 | 6 7.83 | +23 26.2 | 2.250 | 3.174 | 7.2 | 20.6 |
| 1 26 | 6 1.17 | +23 5.1 | 2.321 | 3.173 | 10.4 | 20.8 |
| 2 5 | 5 56.77 | +22 44.8 | 2.416 | 3.173 | 13.1 | 21.0 |

**307408** 2002 $TT_{165}$ 12 27.4 127.°41 5.°9/27.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.78 | + 5 10.6 | 2.364 | 3.170 | 11.9 | 22.1 |
| 12 7 | 6 43.66 | + 4 24.2 | 2.310 | 3.189 | 9.4 | 22.0 |
| 12 17 | 6 35.03 | + 3 50.1 | 2.282 | 3.207 | 7.1 | 21.8 |
| 12 27 | 6 25.66 | + 3 30.1 | 2.283 | 3.225 | 5.9 | 21.8 |
| 1 6 | 6 16.39 | + 3 25.0 | 2.313 | 3.242 | 6.7 | 21.9 |
| 1 16 | 6 8.05 | + 3 34.0 | 2.372 | 3.258 | 8.8 | 22.0 |
| 1 26 | 6 1.33 | + 3 54.9 | 2.457 | 3.273 | 11.1 | 22.2 |
| 2 5 | 5 56.65 | + 4 24.7 | 2.565 | 3.288 | 13.2 | 22.4 |

**26877** 1994 $ED_6$ 12 27.4 188.°44 1.°2/27.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.27 | +18 28.6 | 2.734 | 3.576 | 9.5 | 19.6 |
| 12 7 | 6 41.29 | +18 37.6 | 2.658 | 3.575 | 6.7 | 19.4 |
| 12 17 | 6 33.86 | +18 50.1 | 2.610 | 3.574 | 3.7 | 19.2 |
| 12 27 | 6 25.61 | +19 5.1 | 2.591 | 3.573 | 1.2 | 19.0 |
| 1 6 | 6 17.30 | +19 21.7 | 2.604 | 3.571 | 3.3 | 19.2 |
| 1 16 | 6 9.68 | +19 39.0 | 2.647 | 3.569 | 6.4 | 19.4 |
| 1 26 | 6 3.43 | +19 56.7 | 2.718 | 3.567 | 9.2 | 19.5 |
| 2 5 | 5 59.02 | +20 14.5 | 2.812 | 3.564 | 11.6 | 19.7 |

**131379** 2001 $KT_{38}$ 12 27.4 192.°83 1.°8/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.92 | +27 32.1 | 2.770 | 3.612 | 9.3 | 20.3 |
| 12 7 | 6 43.28 | +28 20.8 | 2.693 | 3.610 | 6.6 | 20.1 |
| 12 17 | 6 34.97 | +29 8.1 | 2.645 | 3.608 | 3.7 | 19.9 |
| 12 27 | 6 25.66 | +29 51.0 | 2.627 | 3.606 | 1.8 | 19.8 |
| 1 6 | 6 16.19 | +30 27.1 | 2.641 | 3.603 | 3.8 | 19.9 |
| 1 16 | 6 7.44 | +30 55.2 | 2.685 | 3.600 | 6.7 | 20.1 |
| 1 26 | 6 0.17 | +31 15.7 | 2.758 | 3.596 | 9.4 | 20.3 |
| 2 5 | 5 54.94 | +31 29.9 | 2.854 | 3.592 | 11.7 | 20.5 |

**455482** 2003 $UB_{232}$ 12 27.4 74.°76 2.°3/27.1 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.65 | +29 18.2 | 2.149 | 2.999 | 11.3 | 21.5 |
| 12 7 | 6 43.96 | +29 45.8 | 2.092 | 3.012 | 8.1 | 21.4 |
| 12 17 | 6 35.33 | +30 9.2 | 2.062 | 3.026 | 4.6 | 21.2 |
| 12 27 | 6 25.67 | +30 25.5 | 2.061 | 3.039 | 2.3 | 21.0 |
| 1 6 | 6 16.07 | +30 32.9 | 2.090 | 3.053 | 4.5 | 21.2 |
| 1 16 | 6 7.59 | +30 31.6 | 2.147 | 3.067 | 7.8 | 21.4 |
| 1 26 | 6 1.10 | +30 23.6 | 2.231 | 3.080 | 10.9 | 21.7 |
| 2 5 | 5 57.11 | +30 11.1 | 2.337 | 3.094 | 13.5 | 21.9 |

**462955** 2011 $CX_{65}$ 12 27.4 208.°25 2.°4/27.2 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.42 | +30 28.6 | 2.296 | 3.143 | 10.8 | 21.3 |
| 12 7 | 6 43.81 | +30 44.0 | 2.224 | 3.141 | 7.8 | 21.1 |
| 12 17 | 6 35.28 | +30 54.3 | 2.178 | 3.140 | 4.5 | 20.9 |
| 12 27 | 6 25.67 | +30 57.0 | 2.162 | 3.139 | 2.4 | 20.7 |
| 1 6 | 6 16.03 | +30 50.8 | 2.175 | 3.138 | 4.4 | 20.9 |
| 1 16 | 6 7.40 | +30 36.3 | 2.218 | 3.136 | 7.7 | 21.1 |
| 1 26 | 6 0.64 | +30 15.5 | 2.287 | 3.135 | 10.7 | 21.3 |
| 2 5 | 5 56.31 | +29 51.2 | 2.379 | 3.133 | 13.4 | 21.4 |

**195745** 2002 $PS_{102}$ 12 27.4 109.°60 2.°0/27.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.47 | +17 30.6 | 2.466 | 3.308 | 10.4 | 20.8 |
| 12 7 | 6 42.10 | +17 10.1 | 2.405 | 3.320 | 7.4 | 20.6 |
| 12 17 | 6 34.25 | +16 53.2 | 2.371 | 3.333 | 4.2 | 20.5 |
| 12 27 | 6 25.63 | +16 39.9 | 2.367 | 3.345 | 2.0 | 20.3 |
| 1 6 | 6 17.09 | +16 30.4 | 2.393 | 3.357 | 3.9 | 20.5 |
| 1 16 | 6 9.43 | +16 24.7 | 2.449 | 3.369 | 6.9 | 20.7 |
| 1 26 | 6 3.33 | +16 22.8 | 2.533 | 3.381 | 9.8 | 20.9 |
| 2 5 | 5 59.21 | +16 24.3 | 2.640 | 3.392 | 12.2 | 21.1 |

**61855** 2000 $QE_{205}$ 12 27.4 95.°40 0.°1/27.4 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.71 | +23 16.6 | 2.006 | 2.858 | 11.9 | 19.6 |
| 12 7 | 6 44.03 | +23 22.7 | 1.945 | 2.868 | 8.4 | 19.4 |
| 12 17 | 6 35.38 | +23 29.0 | 1.910 | 2.878 | 4.4 | 19.2 |
| 12 27 | 6 25.68 | +23 33.9 | 1.905 | 2.888 | 0.2 | 18.9 |
| 1 6 | 6 16.04 | +23 36.2 | 1.929 | 2.898 | 4.0 | 19.2 |
| 1 16 | 6 7.52 | +23 36.1 | 1.981 | 2.907 | 7.9 | 19.5 |
| 1 26 | 6 1.00 | +23 34.2 | 2.060 | 2.917 | 11.4 | 19.7 |
| 2 5 | 5 57.01 | +23 31.7 | 2.162 | 2.926 | 14.2 | 19.9 |

**178105** 2006 $SC_{284}$ 12 27.4 105.°05 3.°6/28.1 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.59 | +11 32.4 | 2.079 | 2.912 | 12.4 | 20.6 |
| 12 7 | 6 43.75 | +11 36.2 | 2.025 | 2.931 | 9.1 | 20.5 |
| 12 17 | 6 35.16 | +11 49.9 | 1.997 | 2.950 | 5.8 | 20.3 |
| 12 27 | 6 25.67 | +12 13.2 | 1.998 | 2.969 | 3.7 | 20.2 |
| 1 6 | 6 16.27 | +12 44.4 | 2.029 | 2.987 | 5.1 | 20.3 |
| 1 16 | 6 7.92 | +13 21.7 | 2.089 | 3.005 | 8.2 | 20.6 |
| 1 26 | 6 1.38 | +14 2.9 | 2.175 | 3.023 | 11.2 | 20.8 |
| 2 5 | 5 57.15 | +14 45.9 | 2.284 | 3.039 | 13.8 | 21.0 |

**326660** 2002 $TO_{234}$ 12 27.4 101.°33 6.°3/27.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.97 | + 1 9.5 | 2.817 | 3.602 | 10.8 | 20.9 |
| 12 7 | 6 41.51 | + 0 14.8 | 2.770 | 3.627 | 8.8 | 20.8 |
| 12 17 | 6 33.85 | − 0 27.1 | 2.749 | 3.652 | 7.1 | 20.7 |
| 12 27 | 6 25.63 | − 0 54.1 | 2.757 | 3.676 | 6.3 | 20.7 |
| 1 6 | 6 17.51 | − 1 5.5 | 2.794 | 3.700 | 6.8 | 20.8 |
| 1 16 | 6 10.17 | − 1 2.0 | 2.860 | 3.723 | 8.3 | 20.9 |
| 1 26 | 6 4.14 | − 0 45.7 | 2.952 | 3.746 | 10.0 | 21.1 |
| 2 5 | 5 59.80 | − 0 19.3 | 3.065 | 3.768 | 11.7 | 21.2 |

**283813** 2003 $SD_{233}$ 12 27.4 78.°87 0.°6/27.5 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.09 | +20 33.5 | 1.675 | 2.528 | 13.8 | 20.9 |
| 12 7 | 6 46.47 | +20 52.3 | 1.633 | 2.556 | 9.7 | 20.7 |
| 12 17 | 6 36.64 | +21 14.2 | 1.616 | 2.583 | 5.1 | 20.5 |
| 12 27 | 6 25.73 | +21 36.6 | 1.627 | 2.610 | 0.7 | 20.3 |
| 1 6 | 6 15.08 | +21 57.6 | 1.668 | 2.637 | 4.5 | 20.6 |
| 1 16 | 6 5.90 | +22 16.2 | 1.736 | 2.663 | 8.8 | 20.9 |
| 1 26 | 5 59.15 | +22 32.5 | 1.831 | 2.689 | 12.5 | 21.2 |
| 2 5 | 5 55.28 | +22 47.1 | 1.946 | 2.715 | 15.5 | 21.5 |

**328423** 2008 $SP_{253}$ 12 27.4 84.°18 4.°0/26.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.49 | +34 22.3 | 2.336 | 3.175 | 10.9 | 19.9 |
| 12 7 | 6 45.25 | +35 18.1 | 2.287 | 3.195 | 8.1 | 19.8 |
| 12 17 | 6 36.02 | +36 6.5 | 2.264 | 3.215 | 5.3 | 19.6 |
| 12 27 | 6 25.72 | +36 42.9 | 2.270 | 3.235 | 4.0 | 19.6 |
| 1 6 | 6 15.46 | +37 5.3 | 2.307 | 3.254 | 5.5 | 19.7 |
| 1 16 | 6 6.31 | +37 13.5 | 2.372 | 3.274 | 8.1 | 19.9 |
| 1 26 | 5 59.17 | +37 10.0 | 2.463 | 3.293 | 10.7 | 20.1 |
| 2 5 | 5 54.57 | +36 58.1 | 2.577 | 3.312 | 12.9 | 20.3 |

**489374** 2006 $UX_{210}$ 12 27.4 6.°36 5.°8/26.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.36 | +35 1.5 | 1.521 | 2.380 | 14.7 | 20.9 |
| 12 7 | 6 46.11 | +36 2.7 | 1.462 | 2.380 | 11.0 | 20.7 |
| 12 17 | 6 36.83 | +36 54.4 | 1.427 | 2.381 | 7.5 | 20.5 |
| 12 27 | 6 25.76 | +37 29.4 | 1.417 | 2.383 | 5.8 | 20.4 |
| 1 6 | 6 14.57 | +37 43.8 | 1.434 | 2.385 | 7.7 | 20.5 |
| 1 16 | 6 4.98 | +37 37.8 | 1.476 | 2.388 | 11.3 | 20.7 |
| 1 26 | 5 58.34 | +37 15.9 | 1.542 | 2.392 | 14.8 | 21.0 |
| 2 5 | 5 55.33 | +36 43.9 | 1.626 | 2.396 | 17.9 | 21.2 |

**454402** 2014 $NM_{35}$ 12 27.4 179.°11 1.°9/27.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.81 | +26 54.9 | 2.153 | 3.001 | 11.4 | 21.2 |
| 12 7 | 6 44.93 | +27 41.0 | 2.082 | 3.002 | 8.1 | 20.9 |
| 12 17 | 6 35.95 | +28 26.0 | 2.038 | 3.003 | 4.5 | 20.7 |
| 12 27 | 6 25.73 | +29 6.0 | 2.023 | 3.003 | 1.9 | 20.5 |
| 1 6 | 6 15.36 | +29 38.1 | 2.039 | 3.003 | 4.5 | 20.7 |
| 1 16 | 6 5.98 | +30 1.0 | 2.084 | 3.003 | 8.0 | 20.9 |
| 1 26 | 5 58.56 | +30 15.7 | 2.155 | 3.002 | 11.3 | 21.2 |
| 2 5 | 5 53.71 | +30 24.0 | 2.249 | 3.001 | 14.1 | 21.3 |

**377034** 2002 $SR_{13}$ 12 27.4 28.°45 3.°7/27.2 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.14 | +15 31.5 | 1.968 | 2.815 | 12.4 | 19.7 |
| 12 7 | 6 42.84 | +14 28.1 | 1.906 | 2.821 | 9.0 | 19.5 |
| 12 17 | 6 34.72 | +13 29.5 | 1.871 | 2.828 | 5.7 | 19.3 |
| 12 27 | 6 25.68 | +12 38.0 | 1.863 | 2.836 | 3.7 | 19.2 |
| 1 6 | 6 16.73 | +11 55.7 | 1.886 | 2.843 | 5.5 | 19.3 |
| 1 16 | 6 8.87 | +11 23.8 | 1.936 | 2.851 | 8.8 | 19.5 |
| 1 26 | 6 2.90 | +11 2.6 | 2.012 | 2.860 | 12.0 | 19.7 |
| 2 5 | 5 59.30 | +10 51.0 | 2.110 | 2.869 | 14.7 | 19.9 |

**169487** 2002 $CH_{168}$ 12 27.4 299.°92 1.°8/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.92 | +25 14.1 | 1.259 | 2.129 | 16.3 | 19.7 |
| 12 7 | 6 47.56 | +25 51.4 | 1.189 | 2.120 | 11.7 | 19.4 |
| 12 17 | 6 37.77 | +26 30.0 | 1.142 | 2.111 | 6.3 | 19.1 |
| 12 27 | 6 25.81 | +27 4.3 | 1.119 | 2.102 | 1.8 | 18.8 |
| 1 6 | 6 13.50 | +27 29.7 | 1.123 | 2.093 | 6.2 | 19.0 |
| 1 16 | 6 2.78 | +27 44.7 | 1.153 | 2.084 | 11.7 | 19.3 |
| 1 26 | 5 55.26 | +27 51.1 | 1.205 | 2.076 | 16.7 | 19.6 |
| 2 5 | 5 51.78 | +27 51.9 | 1.274 | 2.068 | 20.8 | 19.8 |

**181701** 1981 $EP_{34}$ 12 27.4 345.°65 5.°0/27.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.59 | +14 4.4 | 1.395 | 2.258 | 15.5 | 19.5 |
| 12 7 | 6 42.51 | +13 10.7 | 1.327 | 2.249 | 11.5 | 19.3 |
| 12 17 | 6 34.86 | +12 25.5 | 1.280 | 2.240 | 7.4 | 19.0 |
| 12 27 | 6 25.70 | +11 51.7 | 1.260 | 2.232 | 5.0 | 18.9 |
| 1 6 | 6 16.43 | +11 31.5 | 1.264 | 2.225 | 7.2 | 19.0 |
| 1 16 | 6 8.43 | +11 25.3 | 1.295 | 2.219 | 11.4 | 19.2 |
| 1 26 | 6 2.89 | +11 32.1 | 1.347 | 2.215 | 15.5 | 19.4 |
| 2 5 | 6 0.48 | +11 49.1 | 1.419 | 2.211 | 19.1 | 19.7 |

**430588** 2002 $RK_{177}$ 12 27.4 144.°36 0.°4/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.17 | +24 21.7 | 1.839 | 2.687 | 13.0 | 22.3 |
| 12 7 | 6 47.99 | +24 27.5 | 1.778 | 2.699 | 9.2 | 22.1 |
| 12 17 | 6 37.51 | +24 32.2 | 1.744 | 2.711 | 4.8 | 21.9 |
| 12 27 | 6 25.81 | +24 33.5 | 1.738 | 2.721 | 0.5 | 21.6 |
| 1 6 | 6 14.21 | +24 30.1 | 1.763 | 2.731 | 4.4 | 21.9 |
| 1 16 | 6 3.97 | +24 22.7 | 1.817 | 2.740 | 8.7 | 22.2 |
| 1 26 | 5 56.11 | +24 12.9 | 1.897 | 2.749 | 12.4 | 22.4 |
| 2 5 | 5 51.17 | +24 2.7 | 1.999 | 2.756 | 15.4 | 22.7 |

**458058** 2009 $XB_6$ 12 27.4 348.°04 0.°0/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.99 | +20 25.8 | 1.715 | 2.576 | 13.1 | 20.1 |
| 12 7 | 6 42.62 | +21 17.5 | 1.642 | 2.569 | 9.3 | 19.8 |
| 12 17 | 6 34.90 | +22 15.7 | 1.594 | 2.562 | 4.9 | 19.6 |
| 12 27 | 6 25.72 | +23 16.6 | 1.573 | 2.557 | 0.2 | 19.2 |
| 1 6 | 6 16.30 | +24 15.9 | 1.582 | 2.552 | 4.6 | 19.5 |
| 1 16 | 6 7.90 | +25 10.4 | 1.618 | 2.548 | 9.1 | 19.8 |
| 1 26 | 6 1.67 | +25 58.5 | 1.679 | 2.544 | 13.0 | 20.0 |
| 2 5 | 5 58.30 | +26 39.9 | 1.761 | 2.542 | 16.4 | 20.2 |

**292261** 2006 $SU_{98}$ 12 27.4 42.°27 0.°6/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.57 | +21 32.5 | 1.720 | 2.578 | 13.3 | 20.5 |
| 12 7 | 6 44.23 | +21 34.7 | 1.657 | 2.583 | 9.4 | 20.3 |
| 12 17 | 6 35.62 | +21 39.1 | 1.619 | 2.587 | 5.0 | 20.0 |
| 12 27 | 6 25.75 | +21 44.1 | 1.609 | 2.592 | 0.6 | 19.7 |
| 1 6 | 6 15.89 | +21 48.6 | 1.627 | 2.597 | 4.5 | 20.0 |
| 1 16 | 6 7.27 | +21 52.3 | 1.673 | 2.602 | 8.9 | 20.3 |
| 1 26 | 6 0.91 | +21 55.6 | 1.745 | 2.608 | 12.8 | 20.5 |
| 2 5 | 5 57.36 | +21 59.2 | 1.837 | 2.613 | 15.9 | 20.8 |

**39661** 1995 $UT_{62}$ 12 27.4 147.°79 1.°5/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.77 | +26 26.5 | 2.167 | 3.012 | 11.4 | 20.3 |
| 12 7 | 6 46.17 | +26 58.5 | 2.103 | 3.022 | 8.1 | 20.1 |
| 12 17 | 6 36.54 | +27 28.7 | 2.067 | 3.032 | 4.4 | 19.9 |
| 12 27 | 6 25.79 | +27 53.7 | 2.060 | 3.042 | 1.5 | 19.7 |
| 1 6 | 6 15.03 | +28 11.6 | 2.084 | 3.050 | 4.2 | 19.9 |
| 1 16 | 6 5.36 | +28 21.9 | 2.138 | 3.058 | 7.8 | 20.1 |
| 1 26 | 5 57.71 | +28 25.8 | 2.219 | 3.065 | 11.1 | 20.4 |
| 2 5 | 5 52.63 | +28 25.4 | 2.323 | 3.072 | 13.8 | 20.6 |

**111836** 2002 $ET_{20}$ 12 27.4 200.°37 4.°6/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.68 | +33 45.9 | 1.768 | 2.611 | 13.7 | 20.2 |
| 12 7 | 6 50.31 | +34 31.5 | 1.696 | 2.608 | 10.2 | 20.0 |
| 12 17 | 6 39.00 | +35 8.8 | 1.648 | 2.604 | 6.5 | 19.8 |
| 12 27 | 6 25.89 | +35 31.5 | 1.629 | 2.599 | 4.6 | 19.6 |
| 1 6 | 6 12.61 | +35 36.2 | 1.639 | 2.593 | 6.6 | 19.7 |
| 1 16 | 6 0.76 | +35 23.4 | 1.677 | 2.586 | 10.3 | 19.9 |
| 1 26 | 5 51.71 | +34 57.3 | 1.740 | 2.579 | 13.9 | 20.2 |
| 2 5 | 5 46.18 | +34 23.7 | 1.823 | 2.571 | 17.1 | 20.4 |

**359312** 2009 $JE_2$ 12 27.4 178.°51 5.°0/26.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.23 | +38 2.1 | 2.483 | 3.309 | 10.8 | 21.3 |
| 12 7 | 6 47.35 | +39 2.8 | 2.415 | 3.311 | 8.3 | 21.1 |
| 12 17 | 6 37.25 | +39 54.3 | 2.373 | 3.312 | 6.0 | 20.9 |
| 12 27 | 6 25.83 | +40 31.8 | 2.361 | 3.313 | 5.0 | 20.9 |
| 1 6 | 6 14.24 | +40 52.2 | 2.379 | 3.313 | 6.2 | 21.0 |
| 1 16 | 6 3.67 | +40 55.5 | 2.425 | 3.313 | 8.6 | 21.1 |
| 1 26 | 5 55.16 | +40 44.5 | 2.498 | 3.312 | 11.1 | 21.3 |
| 2 5 | 5 49.34 | +40 23.5 | 2.593 | 3.310 | 13.3 | 21.4 |

**14258** Katrinaminck 12 27.4 189.°10 2.°9/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.50 | +16 2.7 | 1.546 | 2.399 | 14.8 | 18.5 |
| 12 7 | 6 45.79 | +15 56.7 | 1.479 | 2.399 | 10.7 | 18.2 |
| 12 17 | 6 36.53 | +15 58.8 | 1.436 | 2.399 | 6.2 | 18.0 |
| 12 27 | 6 25.80 | +16 8.7 | 1.420 | 2.398 | 2.9 | 17.8 |
| 1 6 | 6 14.97 | +16 25.0 | 1.431 | 2.398 | 5.6 | 17.9 |
| 1 16 | 6 5.45 | +16 46.5 | 1.470 | 2.397 | 10.1 | 18.2 |
| 1 26 | 5 58.38 | +17 11.8 | 1.534 | 2.396 | 14.3 | 18.4 |
| 2 5 | 5 54.41 | +17 39.7 | 1.617 | 2.395 | 17.7 | 18.7 |

**202518** 2006 $BG_{253}$ 12 27.4 245.°78 0.°1/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.84 | +23 29.7 | 1.827 | 2.680 | 12.9 | 21.2 |
| 12 7 | 6 45.94 | +23 34.5 | 1.745 | 2.668 | 9.1 | 21.0 |
| 12 17 | 6 36.61 | +23 39.5 | 1.689 | 2.657 | 4.8 | 20.7 |
| 12 27 | 6 25.81 | +23 42.7 | 1.661 | 2.644 | 0.2 | 20.3 |
| 1 6 | 6 14.79 | +23 42.6 | 1.662 | 2.632 | 4.5 | 20.6 |
| 1 16 | 6 4.88 | +23 39.3 | 1.692 | 2.619 | 9.0 | 20.8 |
| 1 26 | 5 57.20 | +23 33.9 | 1.748 | 2.605 | 13.0 | 21.1 |
| 2 5 | 5 52.43 | +23 28.0 | 1.825 | 2.592 | 16.4 | 21.3 |

**28911** 2000 $NB_{16}$ 12 27.4 237.°51 3.°0/27.3 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.95 | +32 7.8 | 2.081 | 2.927 | 11.8 | 17.8 |
| 12 7 | 6 45.82 | +32 19.9 | 2.005 | 2.921 | 8.6 | 17.6 |
| 12 17 | 6 36.45 | +32 24.9 | 1.954 | 2.914 | 5.2 | 17.4 |
| 12 27 | 6 25.80 | +32 19.6 | 1.932 | 2.908 | 3.0 | 17.3 |
| 1 6 | 6 15.08 | +32 2.8 | 1.940 | 2.901 | 5.0 | 17.4 |
| 1 16 | 6 5.52 | +31 35.6 | 1.977 | 2.894 | 8.5 | 17.6 |
| 1 26 | 5 58.12 | +31 1.1 | 2.039 | 2.887 | 11.9 | 17.8 |
| 2 5 | 5 53.50 | +30 23.0 | 2.124 | 2.880 | 14.7 | 18.0 |

**334303** 2001 $VS_{63}$ 12 27.4 57.°81 1.°1/27.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.12 | +25 18.6 | 1.259 | 2.125 | 16.6 | 20.5 |
| 12 7 | 6 49.00 | +25 33.5 | 1.229 | 2.157 | 11.6 | 20.3 |
| 12 17 | 6 38.06 | +25 46.2 | 1.221 | 2.190 | 6.1 | 20.1 |
| 12 27 | 6 25.85 | +25 53.1 | 1.239 | 2.222 | 1.2 | 19.9 |
| 1 6 | 6 14.20 | +25 52.7 | 1.285 | 2.254 | 5.5 | 20.3 |
| 1 16 | 6 4.68 | +25 46.3 | 1.356 | 2.287 | 10.4 | 20.6 |
| 1 26 | 5 58.33 | +25 36.4 | 1.452 | 2.319 | 14.6 | 21.0 |
| 2 5 | 5 55.55 | +25 25.5 | 1.567 | 2.351 | 17.9 | 21.3 |

**269355** 2008 $UR_{61}$ 12 27.4 200.°21 2.°4/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.74 | +31 14.7 | 2.827 | 3.666 | 9.2 | 21.5 |
| 12 7 | 6 43.13 | +31 37.7 | 2.750 | 3.663 | 6.7 | 21.3 |
| 12 17 | 6 34.90 | +31 56.2 | 2.700 | 3.659 | 4.0 | 21.1 |
| 12 27 | 6 25.74 | +32 7.8 | 2.680 | 3.655 | 2.4 | 21.0 |
| 1 6 | 6 16.52 | +32 11.0 | 2.692 | 3.651 | 4.0 | 21.1 |
| 1 16 | 6 8.07 | +32 6.1 | 2.733 | 3.646 | 6.7 | 21.3 |
| 1 26 | 6 1.15 | +31 54.3 | 2.803 | 3.641 | 9.3 | 21.5 |
| 2 5 | 5 56.28 | +31 38.0 | 2.895 | 3.635 | 11.5 | 21.6 |

**78239** 2002 $OF_{22}$ 12 27.4 90.°37 0.°3/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.27 | +22 4.4 | 2.368 | 3.216 | 10.5 | 20.4 |
| 12 7 | 6 42.76 | +22 10.1 | 2.313 | 3.234 | 7.4 | 20.2 |
| 12 17 | 6 34.66 | +22 16.9 | 2.285 | 3.252 | 3.9 | 20.0 |
| 12 27 | 6 25.74 | +22 23.3 | 2.287 | 3.270 | 0.3 | 19.7 |
| 1 6 | 6 16.91 | +22 28.5 | 2.319 | 3.288 | 3.5 | 20.0 |
| 1 16 | 6 9.05 | +22 32.4 | 2.381 | 3.305 | 6.9 | 20.3 |
| 1 26 | 6 2.87 | +22 35.2 | 2.470 | 3.322 | 9.9 | 20.5 |
| 2 5 | 5 58.81 | +22 37.6 | 2.582 | 3.339 | 12.3 | 20.7 |

**114631** 2003 $ET_{19}$ 12 27.4 250.°41 2.°2/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.22 | +16 53.5 | 2.010 | 2.858 | 12.1 | 20.0 |
| 12 7 | 6 43.08 | +16 48.3 | 1.936 | 2.854 | 8.7 | 19.8 |
| 12 17 | 6 34.98 | +16 48.7 | 1.887 | 2.850 | 5.0 | 19.6 |
| 12 27 | 6 25.75 | +16 54.3 | 1.867 | 2.846 | 2.2 | 19.4 |
| 1 6 | 6 16.43 | +17 4.3 | 1.876 | 2.842 | 4.5 | 19.5 |
| 1 16 | 6 8.05 | +17 18.0 | 1.913 | 2.837 | 8.3 | 19.7 |
| 1 26 | 6 1.53 | +17 34.7 | 1.977 | 2.833 | 11.8 | 20.0 |
| 2 5 | 5 57.44 | +17 53.6 | 2.062 | 2.829 | 14.8 | 20.2 |

**330158** 2006 $BX_{55}$ 12 27.4 262.°37 0.°0/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.78 | +23 53.8 | 2.206 | 3.057 | 11.1 | 20.5 |
| 12 7 | 6 43.38 | +23 40.4 | 2.129 | 3.051 | 7.8 | 20.3 |
| 12 17 | 6 35.10 | +23 25.8 | 2.077 | 3.044 | 4.1 | 20.1 |
| 12 27 | 6 25.77 | +23 9.3 | 2.055 | 3.038 | 0.2 | 19.7 |
| 1 6 | 6 16.39 | +22 50.8 | 2.062 | 3.032 | 3.8 | 20.0 |
| 1 16 | 6 7.95 | +22 31.0 | 2.100 | 3.025 | 7.6 | 20.3 |
| 1 26 | 6 1.33 | +22 11.2 | 2.164 | 3.019 | 11.0 | 20.5 |
| 2 5 | 5 57.05 | +21 52.8 | 2.250 | 3.012 | 13.8 | 20.6 |

**44559** 1999 $CC_{38}$ 12 27.4 246.°40 3.°0/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.33 | +14 17.6 | 1.964 | 2.808 | 12.5 | 18.6 |
| 12 7 | 6 43.21 | +14 19.7 | 1.889 | 2.803 | 9.1 | 18.3 |
| 12 17 | 6 35.09 | +14 30.3 | 1.839 | 2.799 | 5.5 | 18.1 |
| 12 27 | 6 25.78 | +14 49.0 | 1.817 | 2.794 | 3.0 | 17.9 |
| 1 6 | 6 16.34 | +15 14.5 | 1.825 | 2.788 | 4.9 | 18.1 |
| 1 16 | 6 7.83 | +15 45.3 | 1.861 | 2.783 | 8.6 | 18.3 |
| 1 26 | 6 1.19 | +16 19.6 | 1.922 | 2.778 | 12.1 | 18.5 |
| 2 5 | 5 57.03 | +16 55.8 | 2.006 | 2.772 | 15.1 | 18.7 |

**443850** 2001 $QC_{203}$ 12 27.4 159.°95 1.°9/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.61 | +28 22.9 | 2.226 | 3.071 | 11.2 | 21.8 |
| 12 7 | 6 45.38 | +28 46.9 | 2.158 | 3.077 | 7.9 | 21.6 |
| 12 17 | 6 36.16 | +29 7.5 | 2.118 | 3.082 | 4.4 | 21.4 |
| 12 27 | 6 25.83 | +29 21.8 | 2.106 | 3.086 | 1.9 | 21.2 |
| 1 6 | 6 15.48 | +29 27.9 | 2.126 | 3.090 | 4.3 | 21.4 |
| 1 16 | 6 6.18 | +29 26.1 | 2.175 | 3.094 | 7.8 | 21.6 |
| 1 26 | 5 58.84 | +29 18.1 | 2.250 | 3.097 | 10.9 | 21.8 |
| 2 5 | 5 54.01 | +29 6.0 | 2.348 | 3.099 | 13.6 | 22.0 |

**416166** 2002 $RO_{250}$ 12 27.4 36.°52 3.°2/28.1 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.39 | +12 30.0 | 2.071 | 2.912 | 12.1 | 20.7 |
| 12 7 | 6 41.69 | +12 42.7 | 2.006 | 2.918 | 8.9 | 20.5 |
| 12 17 | 6 34.22 | +13 5.3 | 1.967 | 2.923 | 5.5 | 20.3 |
| 12 27 | 6 25.76 | +13 37.1 | 1.955 | 2.929 | 3.2 | 20.2 |
| 1 6 | 6 17.25 | +14 16.4 | 1.973 | 2.935 | 4.8 | 20.3 |
| 1 16 | 6 9.65 | +15 0.8 | 2.020 | 2.942 | 8.1 | 20.5 |
| 1 26 | 6 3.78 | +15 48.1 | 2.093 | 2.948 | 11.3 | 20.7 |
| 2 5 | 6 0.15 | +16 36.2 | 2.188 | 2.955 | 14.0 | 21.0 |

**430844** 2005 $LE_{8}$ 12 27.4 168.°88 0.°2/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.89 | +21 38.8 | 1.953 | 2.798 | 12.5 | 22.3 |
| 12 7 | 6 47.12 | +21 58.4 | 1.884 | 2.804 | 8.8 | 22.1 |
| 12 17 | 6 37.13 | +22 20.1 | 1.842 | 2.808 | 4.7 | 21.9 |
| 12 27 | 6 25.88 | +22 41.4 | 1.829 | 2.812 | 0.3 | 21.5 |
| 1 6 | 6 14.57 | +23 0.3 | 1.846 | 2.815 | 4.2 | 21.9 |
| 1 16 | 6 4.41 | +23 16.0 | 1.893 | 2.817 | 8.4 | 22.1 |
| 1 26 | 5 56.40 | +23 28.7 | 1.967 | 2.818 | 12.1 | 22.3 |
| 2 5 | 5 51.15 | +23 39.5 | 2.063 | 2.819 | 15.1 | 22.6 |

**87964** 2000 $TM_{28}$ 12 27.4 147.°40 0.°6/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.28 | +21 35.8 | 2.222 | 3.069 | 11.1 | 20.1 |
| 12 7 | 6 43.64 | +21 30.6 | 2.154 | 3.075 | 7.8 | 19.9 |
| 12 17 | 6 35.21 | +21 26.6 | 2.113 | 3.080 | 4.2 | 19.6 |
| 12 27 | 6 25.80 | +21 22.7 | 2.101 | 3.084 | 0.6 | 19.4 |
| 1 6 | 6 16.42 | +21 18.5 | 2.120 | 3.089 | 3.8 | 19.6 |
| 1 16 | 6 8.01 | +21 14.1 | 2.168 | 3.093 | 7.4 | 19.9 |
| 1 26 | 6 1.39 | +21 10.1 | 2.243 | 3.097 | 10.7 | 20.1 |
| 2 5 | 5 57.06 | +21 7.0 | 2.341 | 3.100 | 13.4 | 20.3 |

**106433** 2000 $VM_{48}$ 12 27.4 33.°35 1.°1/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.16 | +24 47.8 | 0.926 | 1.813 | 19.2 | 19.0 |
| 12 7 | 6 47.09 | +25 2.5 | 0.891 | 1.829 | 13.5 | 18.7 |
| 12 17 | 6 37.41 | +25 16.7 | 0.875 | 1.847 | 7.1 | 18.5 |
| 12 27 | 6 25.89 | +25 26.0 | 0.883 | 1.866 | 1.1 | 18.2 |
| 1 6 | 6 14.78 | +25 28.2 | 0.914 | 1.886 | 6.4 | 18.6 |
| 1 16 | 6 6.08 | +25 23.9 | 0.968 | 1.907 | 12.3 | 19.0 |
| 1 26 | 6 1.13 | +25 16.0 | 1.042 | 1.929 | 17.3 | 19.3 |
| 2 5 | 6 0.35 | +25 6.8 | 1.134 | 1.952 | 21.3 | 19.7 |

**209881** 2005 $JQ_{158}$ 12 27.4 184.°03 2.°3/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.21 | +15 30.9 | 2.243 | 3.081 | 11.3 | 21.2 |
| 12 7 | 6 43.61 | +15 34.1 | 2.169 | 3.082 | 8.2 | 21.0 |
| 12 17 | 6 35.22 | +15 43.7 | 2.121 | 3.082 | 4.8 | 20.8 |
| 12 27 | 6 25.81 | +15 59.0 | 2.103 | 3.081 | 2.3 | 20.6 |
| 1 6 | 6 16.33 | +16 18.9 | 2.115 | 3.080 | 4.3 | 20.8 |
| 1 16 | 6 7.71 | +16 42.2 | 2.157 | 3.078 | 7.7 | 21.0 |
| 1 26 | 6 0.79 | +17 8.0 | 2.227 | 3.076 | 10.9 | 21.2 |
| 2 5 | 5 56.10 | +17 35.2 | 2.319 | 3.074 | 13.6 | 21.3 |

**302101** 2001 $FA_{125}$ 12 27.4 291.°89 1.°1/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.28 | +25 21.3 | 1.697 | 2.556 | 13.4 | 21.0 |
| 12 7 | 6 45.93 | +25 36.3 | 1.604 | 2.529 | 9.6 | 20.7 |
| 12 17 | 6 36.82 | +25 50.9 | 1.535 | 2.503 | 5.2 | 20.4 |
| 12 27 | 6 25.89 | +26 1.9 | 1.493 | 2.476 | 1.1 | 20.0 |
| 1 6 | 6 14.49 | +26 6.9 | 1.480 | 2.449 | 5.0 | 20.2 |
| 1 16 | 6 4.12 | +26 5.4 | 1.494 | 2.422 | 9.9 | 20.4 |
| 1 26 | 5 56.11 | +25 58.9 | 1.533 | 2.395 | 14.3 | 20.6 |
| 2 5 | 5 51.34 | +25 49.8 | 1.593 | 2.368 | 18.1 | 20.8 |

**244874** 2003 $US_{259}$ 12 27.4 70.°19 3.°1/26.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.99 | +27 38.4 | 1.610 | 2.467 | 14.1 | 19.6 |
| 12 7 | 6 47.58 | +28 55.0 | 1.563 | 2.486 | 10.0 | 19.4 |
| 12 17 | 6 37.50 | +30 9.2 | 1.540 | 2.505 | 5.7 | 19.2 |
| 12 27 | 6 25.91 | +31 14.2 | 1.546 | 2.524 | 3.1 | 19.1 |
| 1 6 | 6 14.36 | +32 5.2 | 1.581 | 2.543 | 5.8 | 19.3 |
| 1 16 | 6 4.31 | +32 40.6 | 1.643 | 2.561 | 9.8 | 19.6 |
| 1 26 | 5 56.95 | +33 2.2 | 1.730 | 2.580 | 13.5 | 19.8 |
| 2 5 | 5 52.89 | +33 13.6 | 1.837 | 2.599 | 16.5 | 20.1 |

**41626** 2000 $SQ_{170}$ 12 27.4 77.°42 5.°8/26.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.33 | +38 13.7 | 1.982 | 2.819 | 12.7 | 19.5 |
| 12 7 | 6 47.04 | +39 10.9 | 1.923 | 2.826 | 9.7 | 19.3 |
| 12 17 | 6 37.20 | +39 57.1 | 1.890 | 2.833 | 7.0 | 19.2 |
| 12 27 | 6 25.91 | +40 26.3 | 1.885 | 2.839 | 5.9 | 19.1 |
| 1 6 | 6 14.57 | +40 35.6 | 1.907 | 2.846 | 7.2 | 19.2 |
| 1 16 | 6 4.59 | +40 25.8 | 1.957 | 2.853 | 9.9 | 19.4 |
| 1 26 | 5 57.12 | +40 0.9 | 2.031 | 2.859 | 12.7 | 19.6 |
| 2 5 | 5 52.77 | +39 26.2 | 2.127 | 2.866 | 15.2 | 19.8 |

**162305** 1999 $VD_{194}$ 12 27.4 9.°56 0.°9/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.76 | +20 34.8 | 1.500 | 2.364 | 14.6 | 19.5 |
| 12 7 | 6 44.68 | +20 41.5 | 1.437 | 2.364 | 10.3 | 19.2 |
| 12 17 | 6 36.01 | +20 52.3 | 1.397 | 2.365 | 5.5 | 18.9 |
| 12 27 | 6 25.86 | +21 5.3 | 1.384 | 2.367 | 1.0 | 18.6 |
| 1 6 | 6 15.65 | +21 18.6 | 1.398 | 2.368 | 5.0 | 18.9 |
| 1 16 | 6 6.79 | +21 31.6 | 1.439 | 2.371 | 9.8 | 19.2 |
| 1 26 | 6 0.46 | +21 44.0 | 1.504 | 2.373 | 14.1 | 19.5 |
| 2 5 | 5 57.28 | +21 56.1 | 1.590 | 2.376 | 17.6 | 19.7 |

**492577** 2014 $OU_{184}$ 12 27.4 93.°99 3.°3/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.22 | +31 56.5 | 2.165 | 3.008 | 11.5 | 21.4 |
| 12 7 | 6 45.82 | +32 36.3 | 2.114 | 3.028 | 8.3 | 21.2 |
| 12 17 | 6 36.38 | +33 9.7 | 2.089 | 3.047 | 5.1 | 21.0 |
| 12 27 | 6 25.87 | +33 33.0 | 2.093 | 3.066 | 3.3 | 21.0 |
| 1 6 | 6 15.46 | +33 44.1 | 2.128 | 3.085 | 5.1 | 21.1 |
| 1 16 | 6 6.26 | +33 43.4 | 2.191 | 3.103 | 8.1 | 21.3 |
| 1 26 | 5 59.17 | +33 33.4 | 2.281 | 3.121 | 11.0 | 21.5 |
| 2 5 | 5 54.70 | +33 17.3 | 2.393 | 3.139 | 13.5 | 21.8 |

**11256** Fuglesang 12 27.4 207.°37 0.°1/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.65 | +22 50.3 | 1.959 | 2.807 | 12.3 | 19.7 |
| 12 7 | 6 46.34 | +22 55.3 | 1.881 | 2.802 | 8.7 | 19.5 |
| 12 17 | 6 36.78 | +23 0.9 | 1.829 | 2.796 | 4.6 | 19.2 |
| 12 27 | 6 25.90 | +23 5.2 | 1.807 | 2.790 | 0.2 | 18.9 |
| 1 6 | 6 14.89 | +23 6.9 | 1.814 | 2.783 | 4.3 | 19.2 |
| 1 16 | 6 4.95 | +23 5.9 | 1.851 | 2.775 | 8.5 | 19.4 |
| 1 26 | 5 57.13 | +23 3.3 | 1.914 | 2.767 | 12.3 | 19.7 |
| 2 5 | 5 52.05 | +23 0.3 | 1.999 | 2.758 | 15.4 | 19.9 |

**43062** 1999 $VC_{103}$ 12 27.4 175.°14 1.°7/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.47 | +27 24.2 | 2.234 | 3.078 | 11.2 | 20.1 |
| 12 7 | 6 46.02 | +27 52.4 | 2.163 | 3.081 | 7.9 | 19.9 |
| 12 17 | 6 36.53 | +28 18.1 | 2.119 | 3.083 | 4.4 | 19.7 |
| 12 27 | 6 25.89 | +28 38.1 | 2.104 | 3.085 | 1.7 | 19.5 |
| 1 6 | 6 15.17 | +28 50.6 | 2.121 | 3.086 | 4.2 | 19.7 |
| 1 16 | 6 5.47 | +28 55.3 | 2.167 | 3.086 | 7.8 | 19.9 |
| 1 26 | 5 57.73 | +28 53.5 | 2.241 | 3.086 | 11.0 | 20.1 |
| 2 5 | 5 52.52 | +28 47.5 | 2.337 | 3.085 | 13.7 | 20.3 |

**518451** 2005 $EJ_{246}$ 12 27.4 199.°76 4.°2/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.97 | +11 9.4 | 2.096 | 2.928 | 12.3 | 22.4 |
| 12 7 | 6 43.52 | +10 54.0 | 2.021 | 2.925 | 9.2 | 22.2 |
| 12 17 | 6 35.22 | +10 48.2 | 1.972 | 2.923 | 6.1 | 22.0 |
| 12 27 | 6 25.84 | +10 52.8 | 1.951 | 2.919 | 4.2 | 21.9 |
| 1 6 | 6 16.36 | +11 7.4 | 1.960 | 2.915 | 5.6 | 21.9 |
| 1 16 | 6 7.78 | +11 30.9 | 1.997 | 2.911 | 8.7 | 22.1 |
| 1 26 | 6 0.96 | +12 1.4 | 2.061 | 2.907 | 11.8 | 22.3 |
| 2 5 | 5 56.46 | +12 36.9 | 2.147 | 2.902 | 14.6 | 22.5 |

**492551** 2014 $OH_{125}$ 12 27.4 25.°20 0.°3/27.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.20 | +22 43.5 | 1.696 | 2.556 | 13.3 | 21.7 |
| 12 7 | 6 44.10 | +23 11.8 | 1.634 | 2.560 | 9.4 | 21.4 |
| 12 17 | 6 35.65 | +23 42.3 | 1.596 | 2.564 | 4.9 | 21.2 |
| 12 27 | 6 25.86 | +24 12.1 | 1.586 | 2.569 | 0.4 | 20.8 |
| 1 6 | 6 16.02 | +24 38.4 | 1.604 | 2.574 | 4.6 | 21.2 |
| 1 16 | 6 7.39 | +24 59.9 | 1.650 | 2.579 | 9.0 | 21.4 |
| 1 26 | 6 1.05 | +25 16.9 | 1.721 | 2.584 | 12.9 | 21.7 |
| 2 5 | 5 57.61 | +25 30.3 | 1.813 | 2.590 | 16.1 | 21.9 |

**517737** 2015 $MU_{70}$ 12 27.4 262.°94 4.°7/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.35 | +12 51.3 | 1.576 | 2.424 | 14.8 | 22.0 |
| 12 7 | 6 44.98 | +12 20.1 | 1.504 | 2.419 | 11.1 | 21.8 |
| 12 17 | 6 36.16 | +11 58.8 | 1.457 | 2.413 | 7.1 | 21.6 |
| 12 27 | 6 25.89 | +11 49.2 | 1.435 | 2.407 | 4.7 | 21.4 |
| 1 6 | 6 15.48 | +11 51.5 | 1.441 | 2.401 | 6.6 | 21.5 |
| 1 16 | 6 6.26 | +12 5.1 | 1.474 | 2.395 | 10.6 | 21.7 |
| 1 26 | 5 59.37 | +12 28.3 | 1.531 | 2.389 | 14.5 | 21.9 |
| 2 5 | 5 55.47 | +12 58.3 | 1.609 | 2.383 | 17.9 | 22.2 |

**75303** 1999 $XQ_{35}$ 12 27.4 327.°97 8.°2/23.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.59 | +29 30.8 | 1.226 | 2.094 | 16.9 | 18.0 |
| 12 7 | 6 51.07 | +33 2.9 | 1.129 | 2.053 | 12.8 | 17.7 |
| 12 17 | 6 40.78 | +36 56.6 | 1.057 | 2.013 | 9.2 | 17.4 |
| 12 27 | 6 26.13 | +40 51.8 | 1.014 | 1.974 | 8.6 | 17.2 |
| 1 6 | 6 8.73 | +44 24.2 | 1.000 | 1.936 | 12.4 | 17.3 |
| 1 16 | 5 51.35 | +47 15.4 | 1.012 | 1.900 | 17.6 | 17.4 |
| 1 26 | 5 37.26 | +49 20.6 | 1.045 | 1.865 | 22.5 | 17.6 |
| 2 5 | 5 28.93 | +50 47.4 | 1.094 | 1.832 | 26.7 | 17.8 |

**375480** 2008 $UE_{29}$ 12 27.4 159.°84 4.°0/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 46.77 | + 8 57.2 | 2.920 | 3.737 | 9.6 | 21.9 |
| 12 7 | 6 40.83 | + 8 29.4 | 2.851 | 3.743 | 7.3 | 21.8 |
| 12 17 | 6 33.64 | + 8 9.4 | 2.809 | 3.748 | 5.2 | 21.6 |
| 12 27 | 6 25.79 | + 7 58.4 | 2.796 | 3.753 | 4.0 | 21.6 |
| 1 6 | 6 17.93 | + 7 56.5 | 2.814 | 3.758 | 4.9 | 21.6 |
| 1 16 | 6 10.74 | + 8 3.3 | 2.862 | 3.762 | 6.9 | 21.8 |
| 1 26 | 6 4.77 | + 8 17.7 | 2.937 | 3.766 | 9.2 | 21.9 |
| 2 5 | 6 0.45 | + 8 38.1 | 3.036 | 3.769 | 11.2 | 22.1 |

**47766** 2000 $DP_{103}$ 12 27.4 102.°50 6.°9/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.68 | +42 2.1 | 1.995 | 2.818 | 13.2 | 18.2 |
| 12 7 | 6 50.05 | +42 56.1 | 1.948 | 2.836 | 10.4 | 18.1 |
| 12 17 | 6 38.73 | +43 34.6 | 1.925 | 2.853 | 8.0 | 18.0 |
| 12 27 | 6 26.00 | +43 51.8 | 1.929 | 2.871 | 6.9 | 17.9 |
| 1 6 | 6 13.42 | +43 45.6 | 1.961 | 2.887 | 8.0 | 18.0 |
| 1 16 | 6 2.51 | +43 18.0 | 2.021 | 2.904 | 10.3 | 18.2 |
| 1 26 | 5 54.40 | +42 34.6 | 2.105 | 2.920 | 12.8 | 18.4 |
| 2 5 | 5 49.63 | +41 41.9 | 2.210 | 2.935 | 15.1 | 18.6 |

**196323** 2003 $FT_{42}$ 12 27.4 241.°20 2.°9/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.12 | +15 28.8 | 1.889 | 2.733 | 12.9 | 21.4 |
| 12 7 | 6 45.35 | +15 18.9 | 1.804 | 2.719 | 9.5 | 21.2 |
| 12 17 | 6 36.33 | +15 15.9 | 1.744 | 2.704 | 5.7 | 20.9 |
| 12 27 | 6 25.91 | +15 19.8 | 1.712 | 2.689 | 2.9 | 20.7 |
| 1 6 | 6 15.24 | +15 30.0 | 1.710 | 2.674 | 5.2 | 20.8 |
| 1 16 | 6 5.52 | +15 45.7 | 1.736 | 2.658 | 9.2 | 21.0 |
| 1 26 | 5 57.80 | +16 6.0 | 1.788 | 2.641 | 13.0 | 21.2 |
| 2 5 | 5 52.79 | +16 29.7 | 1.862 | 2.624 | 16.3 | 21.4 |

**184817** 2005 $TJ_{140}$ 12 27.4 79.°29 0.°2/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.39 | +22 58.3 | 1.945 | 2.799 | 12.2 | 20.6 |
| 12 7 | 6 43.99 | +23 15.8 | 1.880 | 2.804 | 8.6 | 20.4 |
| 12 17 | 6 35.51 | +23 34.4 | 1.841 | 2.809 | 4.5 | 20.2 |
| 12 27 | 6 25.87 | +23 51.9 | 1.830 | 2.813 | 0.3 | 19.8 |
| 1 6 | 6 16.20 | +24 6.6 | 1.849 | 2.818 | 4.1 | 20.2 |
| 1 16 | 6 7.62 | +24 17.8 | 1.896 | 2.823 | 8.2 | 20.4 |
| 1 26 | 6 1.08 | +24 25.9 | 1.969 | 2.828 | 11.7 | 20.6 |
| 2 5 | 5 57.14 | +24 32.0 | 2.065 | 2.832 | 14.7 | 20.9 |

**46446** 2110 $P$–$L$ 12 27.4 119.°56 0.°4/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.93 | +24 14.2 | 1.957 | 2.808 | 12.3 | 20.3 |
| 12 7 | 6 45.67 | +24 20.4 | 1.898 | 2.820 | 8.6 | 20.1 |
| 12 17 | 6 36.33 | +24 25.8 | 1.865 | 2.832 | 4.5 | 19.9 |
| 12 27 | 6 25.91 | +24 28.5 | 1.861 | 2.844 | 0.4 | 19.6 |
| 1 6 | 6 15.57 | +24 27.4 | 1.886 | 2.855 | 4.1 | 19.9 |
| 1 16 | 6 6.44 | +24 22.9 | 1.941 | 2.866 | 8.1 | 20.2 |
| 1 26 | 5 59.45 | +24 16.1 | 2.022 | 2.877 | 11.6 | 20.4 |
| 2 5 | 5 55.11 | +24 8.7 | 2.125 | 2.887 | 14.5 | 20.7 |

**15470** 1999 $BS$ 12 27.4 38.°22 2.°1/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.91 | +18 44.3 | 1.206 | 2.077 | 16.8 | 18.4 |
| 12 7 | 6 45.69 | +18 39.5 | 1.159 | 2.089 | 12.0 | 18.1 |
| 12 17 | 6 36.57 | +18 41.6 | 1.134 | 2.102 | 6.6 | 17.9 |
| 12 27 | 6 25.91 | +18 49.2 | 1.134 | 2.116 | 2.1 | 17.6 |
| 1 6 | 6 15.44 | +19 0.9 | 1.160 | 2.131 | 5.8 | 17.9 |
| 1 16 | 6 6.73 | +19 15.3 | 1.211 | 2.146 | 11.0 | 18.3 |
| 1 26 | 6 1.00 | +19 31.9 | 1.285 | 2.161 | 15.5 | 18.6 |
| 2 5 | 5 58.79 | +19 49.9 | 1.378 | 2.177 | 19.2 | 18.9 |

**180805** 2005 $EL_{148}$ 12 27.4 69.°32 3.°3/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.07 | +15 1.4 | 1.249 | 2.107 | 17.3 | 19.6 |
| 12 7 | 6 48.28 | +15 9.7 | 1.214 | 2.136 | 12.4 | 19.4 |
| 12 17 | 6 37.77 | +15 29.2 | 1.201 | 2.164 | 7.1 | 19.2 |
| 12 27 | 6 25.97 | +15 58.1 | 1.214 | 2.193 | 3.3 | 19.1 |
| 1 6 | 6 14.57 | +16 33.1 | 1.254 | 2.222 | 6.1 | 19.3 |
| 1 16 | 6 5.07 | +17 11.4 | 1.321 | 2.250 | 10.8 | 19.6 |
| 1 26 | 5 58.58 | +17 50.9 | 1.411 | 2.278 | 15.0 | 20.0 |
| 2 5 | 5 55.52 | +18 29.8 | 1.520 | 2.305 | 18.3 | 20.3 |

**451787** 2013 $GD_{124}$ 12 27.4 159.°10 2.°0/27.2 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.01 | +28 33.3 | 2.136 | 2.984 | 11.5 | 22.0 |
| 12 7 | 6 45.07 | +28 55.6 | 2.068 | 2.987 | 8.2 | 21.8 |
| 12 17 | 6 36.07 | +29 14.3 | 2.026 | 2.990 | 4.6 | 21.6 |
| 12 27 | 6 25.91 | +29 26.3 | 2.013 | 2.993 | 2.0 | 21.4 |
| 1 6 | 6 15.72 | +29 30.2 | 2.031 | 2.995 | 4.4 | 21.6 |
| 1 16 | 6 6.61 | +29 26.0 | 2.077 | 2.998 | 8.0 | 21.8 |
| 1 26 | 5 59.51 | +29 15.6 | 2.150 | 3.000 | 11.2 | 22.0 |
| 2 5 | 5 54.99 | +29 1.3 | 2.246 | 3.001 | 14.0 | 22.2 |

**94485** 2001 $UU_{11}$ 12 27.4 76.°19 1.°5/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.19 | +19 28.9 | 1.197 | 2.063 | 17.3 | 19.4 |
| 12 7 | 6 48.67 | +19 33.9 | 1.153 | 2.081 | 12.3 | 19.1 |
| 12 17 | 6 38.11 | +19 44.8 | 1.131 | 2.099 | 6.6 | 18.9 |
| 12 27 | 6 26.00 | +19 59.3 | 1.135 | 2.117 | 1.6 | 18.6 |
| 1 6 | 6 14.15 | +20 15.2 | 1.165 | 2.136 | 5.8 | 18.9 |
| 1 16 | 6 4.27 | +20 31.2 | 1.221 | 2.154 | 11.1 | 19.3 |
| 1 26 | 5 57.58 | +20 47.2 | 1.300 | 2.172 | 15.7 | 19.6 |
| 2 5 | 5 54.60 | +21 3.4 | 1.398 | 2.189 | 19.4 | 19.9 |

**369450** 2010 $CA_{167}$ 12 27.4 21.°39 6.°3/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.83 | +41 58.9 | 2.149 | 2.975 | 12.3 | 20.3 |
| 12 7 | 6 46.55 | +42 27.2 | 2.086 | 2.978 | 9.7 | 20.1 |
| 12 17 | 6 36.89 | +42 41.3 | 2.048 | 2.980 | 7.3 | 20.0 |
| 12 27 | 6 25.95 | +42 36.8 | 2.038 | 2.984 | 6.3 | 19.9 |
| 1 6 | 6 15.10 | +42 12.1 | 2.055 | 2.987 | 7.2 | 20.0 |
| 1 16 | 6 5.63 | +41 29.5 | 2.099 | 2.991 | 9.5 | 20.1 |
| 1 26 | 5 58.59 | +40 33.5 | 2.169 | 2.994 | 12.1 | 20.3 |
| 2 5 | 5 54.53 | +39 30.0 | 2.260 | 2.999 | 14.4 | 20.5 |

**447872** 2007 $VA_{112}$ 12 27.4 91.°25 1.°7/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.67 | +26 33.8 | 1.782 | 2.636 | 13.1 | 21.7 |
| 12 7 | 6 46.39 | +27 7.5 | 1.729 | 2.652 | 9.2 | 21.5 |
| 12 17 | 6 36.80 | +27 39.1 | 1.701 | 2.668 | 5.0 | 21.3 |
| 12 27 | 6 25.95 | +28 4.7 | 1.702 | 2.683 | 1.8 | 21.1 |
| 1 6 | 6 15.19 | +28 22.0 | 1.732 | 2.698 | 4.8 | 21.4 |
| 1 16 | 6 5.80 | +28 30.7 | 1.790 | 2.713 | 8.8 | 21.6 |
| 1 26 | 5 58.78 | +28 32.4 | 1.874 | 2.728 | 12.4 | 21.9 |
| 2 5 | 5 54.70 | +28 29.5 | 1.979 | 2.743 | 15.4 | 22.1 |

**487597** 2015 $KG_{121}$ 12 27.4 116.°10 4.°3/28.1 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 4.97 | +39 25.3 | 2.243 | 3.056 | 12.3 | 21.1 |
| 12 7 | 6 53.68 | +38 58.7 | 2.186 | 3.079 | 9.2 | 21.0 |
| 12 17 | 6 40.29 | +38 16.4 | 2.157 | 3.100 | 6.2 | 20.8 |
| 12 27 | 6 26.09 | +37 16.2 | 2.158 | 3.122 | 4.4 | 20.7 |
| 1 6 | 6 12.51 | +35 59.8 | 2.192 | 3.142 | 5.6 | 20.8 |
| 1 16 | 6 0.76 | +34 32.1 | 2.258 | 3.162 | 8.3 | 21.0 |
| 1 26 | 5 51.69 | +32 59.7 | 2.353 | 3.181 | 11.2 | 21.3 |
| 2 5 | 5 45.66 | +31 28.5 | 2.472 | 3.199 | 13.6 | 21.5 |

**287307** 2002 $TT_{231}$ 12 27.4 355.°05 7.°7/25.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.51 | +38 18.1 | 1.730 | 2.569 | 14.1 | 19.5 |
| 12 7 | 6 50.03 | +40 21.3 | 1.668 | 2.569 | 11.1 | 19.3 |
| 12 17 | 6 39.18 | +42 15.0 | 1.632 | 2.568 | 8.5 | 19.2 |
| 12 27 | 6 26.07 | +43 48.7 | 1.623 | 2.568 | 7.7 | 19.2 |
| 1 6 | 6 12.41 | +44 54.8 | 1.643 | 2.568 | 9.3 | 19.2 |
| 1 16 | 6 0.11 | +45 31.6 | 1.689 | 2.567 | 12.2 | 19.4 |
| 1 26 | 5 50.79 | +45 43.2 | 1.758 | 2.568 | 15.1 | 19.6 |
| 2 5 | 5 45.39 | +45 36.6 | 1.845 | 2.568 | 17.7 | 19.8 |

**386064** 2007 $GA_{50}$ 12 27.4 218.°26 1.°6/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.39 | +26 22.1 | 1.880 | 2.730 | 12.7 | 21.9 |
| 12 7 | 6 47.07 | +26 51.5 | 1.802 | 2.723 | 9.0 | 21.7 |
| 12 17 | 6 37.29 | +27 19.6 | 1.749 | 2.716 | 4.9 | 21.4 |
| 12 27 | 6 25.99 | +27 42.6 | 1.726 | 2.707 | 1.6 | 21.2 |
| 1 6 | 6 14.47 | +27 58.0 | 1.732 | 2.699 | 4.8 | 21.4 |
| 1 16 | 6 4.08 | +28 5.0 | 1.767 | 2.689 | 9.0 | 21.6 |
| 1 26 | 5 55.96 | +28 5.3 | 1.828 | 2.679 | 12.8 | 21.8 |
| 2 5 | 5 50.82 | +28 1.2 | 1.910 | 2.669 | 16.0 | 22.0 |

**151335** 2002 $CH_{216}$ 12 27.4 132.°24 1.°0/27.3 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.55 | +25 39.9 | 2.182 | 3.033 | 11.2 | 20.3 |
| 12 7 | 6 43.96 | +25 55.2 | 2.116 | 3.037 | 7.9 | 20.1 |
| 12 17 | 6 35.46 | +26 9.2 | 2.075 | 3.042 | 4.2 | 19.9 |
| 12 27 | 6 25.91 | +26 19.6 | 2.064 | 3.047 | 1.0 | 19.6 |
| 1 6 | 6 16.34 | +26 25.0 | 2.083 | 3.051 | 3.9 | 19.9 |
| 1 16 | 6 7.78 | +26 25.3 | 2.131 | 3.055 | 7.6 | 20.1 |
| 1 26 | 6 1.10 | +26 21.8 | 2.206 | 3.060 | 10.9 | 20.3 |
| 2 5 | 5 56.84 | +26 15.8 | 2.304 | 3.063 | 13.6 | 20.5 |

**168567** 1999 $XH_{94}$ 12 27.4 0.°56 0.°4/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.06 | +25 20.7 | 1.109 | 1.993 | 16.9 | 18.4 |
| 12 7 | 6 43.42 | +24 59.6 | 1.052 | 1.989 | 12.0 | 18.1 |
| 12 17 | 6 35.57 | +24 35.4 | 1.016 | 1.987 | 6.4 | 17.8 |
| 12 27 | 6 25.91 | +24 7.3 | 1.003 | 1.987 | 0.5 | 17.4 |
| 1 6 | 6 16.27 | +23 35.6 | 1.015 | 1.988 | 5.8 | 17.8 |
| 1 16 | 6 8.43 | +23 2.7 | 1.051 | 1.991 | 11.5 | 18.1 |
| 1 26 | 6 3.74 | +22 31.7 | 1.109 | 1.996 | 16.5 | 18.4 |
| 2 5 | 6 2.83 | +22 4.6 | 1.184 | 2.003 | 20.5 | 18.7 |

**226608** 2004 $DQ_{21}$ 12 27.4 237.°89 1.°4/27.5 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.74 | +20 31.4 | 1.605 | 2.461 | 14.2 | 20.4 |
| 12 7 | 6 46.75 | +20 16.7 | 1.530 | 2.453 | 10.2 | 20.1 |
| 12 17 | 6 37.15 | +20 4.4 | 1.479 | 2.446 | 5.5 | 19.8 |
| 12 27 | 6 25.99 | +19 53.6 | 1.455 | 2.438 | 1.4 | 19.5 |
| 1 6 | 6 14.67 | +19 44.0 | 1.460 | 2.429 | 5.1 | 19.8 |
| 1 16 | 6 4.62 | +19 36.1 | 1.493 | 2.421 | 9.9 | 20.0 |
| 1 26 | 5 57.05 | +19 30.7 | 1.551 | 2.412 | 14.2 | 20.3 |
| 2 5 | 5 52.65 | +19 28.4 | 1.628 | 2.403 | 17.7 | 20.5 |

**65366** 2002 $PF_{26}$ 12 27.4 113.°87 2.°5/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.86 | +16 34.7 | 1.600 | 2.449 | 14.6 | 19.7 |
| 12 7 | 6 47.24 | +16 35.2 | 1.547 | 2.466 | 10.5 | 19.5 |
| 12 17 | 6 37.24 | +16 43.0 | 1.519 | 2.482 | 6.0 | 19.3 |
| 12 27 | 6 25.99 | +16 57.0 | 1.518 | 2.498 | 2.5 | 19.1 |
| 1 6 | 6 14.88 | +17 15.5 | 1.546 | 2.513 | 5.2 | 19.3 |
| 1 16 | 6 5.21 | +17 37.2 | 1.602 | 2.528 | 9.5 | 19.6 |
| 1 26 | 5 58.01 | +18 1.0 | 1.684 | 2.542 | 13.4 | 19.8 |
| 2 5 | 5 53.82 | +18 26.0 | 1.786 | 2.555 | 16.6 | 20.1 |

**227841** 2007 $DY_4$ 12 27.4 268.°29 3.°1/27.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.27 | +15 24.6 | 1.607 | 2.457 | 14.4 | 21.3 |
| 12 7 | 6 45.84 | +15 20.2 | 1.521 | 2.440 | 10.6 | 21.0 |
| 12 17 | 6 36.76 | +15 24.5 | 1.460 | 2.422 | 6.3 | 20.7 |
| 12 27 | 6 25.98 | +15 37.5 | 1.425 | 2.404 | 3.2 | 20.5 |
| 1 6 | 6 14.82 | +15 57.9 | 1.419 | 2.385 | 5.8 | 20.6 |
| 1 16 | 6 4.71 | +16 24.4 | 1.440 | 2.366 | 10.3 | 20.8 |
| 1 26 | 5 56.93 | +16 55.4 | 1.486 | 2.347 | 14.7 | 21.0 |
| 2 5 | 5 52.27 | +17 29.3 | 1.552 | 2.327 | 18.4 | 21.2 |

**270896** 2002 $TY_{255}$ 12 27.4 149.°16 6.°0/26.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.44 | +41 46.4 | 2.446 | 3.267 | 11.1 | 20.3 |
| 12 7 | 6 46.20 | +42 37.8 | 2.382 | 3.269 | 8.8 | 20.2 |
| 12 17 | 6 36.73 | +43 17.3 | 2.343 | 3.271 | 6.8 | 20.0 |
| 12 27 | 6 25.97 | +43 40.3 | 2.332 | 3.272 | 6.0 | 20.0 |
| 1 6 | 6 15.14 | +43 44.3 | 2.350 | 3.274 | 7.0 | 20.0 |
| 1 16 | 6 5.43 | +43 30.0 | 2.396 | 3.275 | 9.0 | 20.2 |
| 1 26 | 5 57.87 | +43 1.0 | 2.466 | 3.277 | 11.3 | 20.3 |
| 2 5 | 5 53.04 | +42 21.9 | 2.559 | 3.278 | 13.4 | 20.5 |

**340147** 2005 $YA_{54}$ 12 27.4 36.°18 0.°8/27.5 16

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.95 | +20 42.7 | 1.184 | 2.058 | 16.9 | 20.7 |
| 12 7 | 6 45.80 | +20 53.9 | 1.140 | 2.072 | 11.9 | 20.5 |
| 12 17 | 6 36.67 | +21 9.9 | 1.117 | 2.087 | 6.3 | 20.2 |
| 12 27 | 6 25.98 | +21 28.1 | 1.119 | 2.102 | 0.9 | 19.9 |
| 1 6 | 6 15.47 | +21 46.1 | 1.147 | 2.118 | 5.6 | 20.3 |
| 1 16 | 6 6.80 | +22 2.5 | 1.200 | 2.135 | 10.9 | 20.6 |
| 1 26 | 6 1.18 | +22 17.5 | 1.276 | 2.153 | 15.5 | 20.9 |
| 2 5 | 5 59.15 | +22 31.3 | 1.370 | 2.171 | 19.2 | 21.2 |

**305205** 2007 $WU_{14}$ 12 27.4 136.°33 0.°9/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.54 | +20 21.6 | 1.889 | 2.740 | 12.6 | 21.1 |
| 12 7 | 6 44.81 | +20 25.1 | 1.823 | 2.745 | 8.9 | 20.9 |
| 12 17 | 6 35.97 | +20 31.7 | 1.783 | 2.750 | 4.8 | 20.7 |
| 12 27 | 6 25.95 | +20 39.9 | 1.772 | 2.755 | 1.0 | 20.4 |
| 1 6 | 6 15.93 | +20 48.5 | 1.790 | 2.759 | 4.3 | 20.7 |
| 1 16 | 6 7.03 | +20 56.9 | 1.837 | 2.763 | 8.4 | 20.9 |
| 1 26 | 6 0.21 | +21 5.4 | 1.909 | 2.767 | 12.1 | 21.1 |
| 2 5 | 5 56.05 | +21 14.1 | 2.004 | 2.771 | 15.1 | 21.4 |

**367699** 2010 $RW_{164}$ 12 27.4 73.°04 3.°6/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 59.69 | +30 25.3 | 1.207 | 2.071 | 17.3 | 20.3 |
| 12 7 | 6 51.25 | +30 51.0 | 1.168 | 2.094 | 12.4 | 20.1 |
| 12 17 | 6 39.48 | +31 8.2 | 1.152 | 2.117 | 7.1 | 19.9 |
| 12 27 | 6 26.09 | +31 11.1 | 1.161 | 2.139 | 3.6 | 19.7 |
| 1 6 | 6 13.18 | +30 58.2 | 1.197 | 2.162 | 6.7 | 20.0 |
| 1 16 | 6 2.60 | +30 32.3 | 1.258 | 2.185 | 11.4 | 20.3 |
| 1 26 | 5 55.60 | +29 59.1 | 1.342 | 2.207 | 15.7 | 20.6 |
| 2 5 | 5 52.61 | +29 23.7 | 1.445 | 2.229 | 19.2 | 20.9 |

**268247** 2005 $MT_5$ 12 27.4 139.°15 0.°8/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.03 | +20 16.0 | 1.813 | 2.661 | 13.2 | 21.7 |
| 12 7 | 6 47.26 | +20 30.3 | 1.753 | 2.673 | 9.3 | 21.5 |
| 12 17 | 6 37.25 | +20 47.8 | 1.719 | 2.686 | 5.0 | 21.2 |
| 12 27 | 6 26.01 | +21 6.5 | 1.714 | 2.697 | 0.8 | 21.0 |
| 1 6 | 6 14.82 | +21 24.4 | 1.739 | 2.708 | 4.4 | 21.3 |
| 1 16 | 6 4.90 | +21 40.7 | 1.793 | 2.718 | 8.7 | 21.5 |
| 1 26 | 5 57.28 | +21 55.4 | 1.873 | 2.727 | 12.4 | 21.8 |
| 2 5 | 5 52.49 | +22 9.2 | 1.974 | 2.735 | 15.5 | 22.0 |

**453063** 2007 $UC_{11}$ 12 27.4 69.°43 8.°3/24.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 7 0.49 | +39 9.2 | 1.686 | 2.521 | 14.6 | 20.2 |
| 12 7 | 6 52.24 | +41 34.3 | 1.635 | 2.531 | 11.6 | 20.0 |
| 12 17 | 6 40.40 | +43 47.8 | 1.611 | 2.542 | 9.1 | 19.9 |
| 12 27 | 6 26.16 | +45 37.2 | 1.615 | 2.552 | 8.4 | 19.9 |
| 1 6 | 6 11.39 | +46 54.7 | 1.647 | 2.563 | 10.0 | 20.0 |
| 1 16 | 5 58.13 | +47 39.0 | 1.705 | 2.573 | 12.7 | 20.2 |
| 1 26 | 5 48.13 | +47 55.3 | 1.786 | 2.584 | 15.4 | 20.4 |
| 2 5 | 5 42.30 | +47 51.6 | 1.885 | 2.594 | 17.8 | 20.6 |

**413244** 2003 $SE_{218}$ 12 27.4 91.°00 1.°4/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.85 | +27 7.1 | 2.329 | 3.176 | 10.7 | 21.3 |
| 12 7 | 6 43.99 | +27 27.1 | 2.276 | 3.195 | 7.5 | 21.1 |
| 12 17 | 6 35.40 | +27 44.5 | 2.249 | 3.215 | 4.1 | 21.0 |
| 12 27 | 6 25.93 | +27 57.0 | 2.253 | 3.234 | 1.4 | 20.8 |
| 1 6 | 6 16.56 | +28 3.2 | 2.287 | 3.253 | 3.8 | 21.0 |
| 1 16 | 6 8.23 | +28 3.5 | 2.350 | 3.271 | 7.1 | 21.3 |
| 1 26 | 6 1.71 | +27 58.9 | 2.441 | 3.290 | 10.1 | 21.5 |
| 2 5 | 5 57.48 | +27 51.3 | 2.554 | 3.308 | 12.6 | 21.7 |

**387627** 2002 $JN_{128}$ 12 27.4 204.°01 1.°9/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.41 | +16 47.9 | 2.290 | 3.128 | 11.2 | 22.3 |
| 12 7 | 6 44.51 | +16 49.3 | 2.209 | 3.123 | 8.0 | 22.1 |
| 12 17 | 6 35.77 | +16 55.8 | 2.155 | 3.117 | 4.6 | 21.8 |
| 12 27 | 6 25.95 | +17 6.6 | 2.131 | 3.110 | 2.0 | 21.6 |
| 1 6 | 6 16.01 | +17 20.9 | 2.137 | 3.103 | 4.1 | 21.8 |
| 1 16 | 6 6.89 | +17 37.7 | 2.174 | 3.095 | 7.7 | 22.0 |
| 1 26 | 5 59.47 | +17 56.5 | 2.238 | 3.086 | 10.9 | 22.2 |
| 2 5 | 5 54.31 | +18 16.7 | 2.325 | 3.076 | 13.7 | 22.4 |

**268324** 2005 $SP_{17}$ 12 27.4 227.°83 1.°4/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.79 | +26 2.9 | 1.708 | 2.563 | 13.6 | 21.3 |
| 12 7 | 6 47.52 | +26 22.1 | 1.632 | 2.555 | 9.7 | 21.0 |
| 12 17 | 6 37.59 | +26 39.7 | 1.580 | 2.547 | 5.2 | 20.8 |
| 12 27 | 6 26.03 | +26 52.3 | 1.556 | 2.538 | 1.4 | 20.5 |
| 1 6 | 6 14.27 | +26 57.4 | 1.561 | 2.529 | 5.0 | 20.7 |
| 1 16 | 6 3.76 | +26 55.1 | 1.595 | 2.520 | 9.6 | 20.9 |
| 1 26 | 5 55.74 | +26 47.3 | 1.653 | 2.510 | 13.7 | 21.2 |
| 2 5 | 5 50.92 | +26 36.6 | 1.733 | 2.500 | 17.1 | 21.4 |

**174431** 2002 $XA_{12}$ 12 27.4 115.°78 0.°3/27.4 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.37 | +24 2.1 | 2.088 | 2.933 | 11.8 | 19.9 |
| 12 7 | 6 46.46 | +23 29.2 | 2.029 | 2.949 | 8.3 | 19.7 |
| 12 17 | 6 36.68 | +22 54.2 | 1.998 | 2.964 | 4.4 | 19.4 |
| 12 27 | 6 25.99 | +22 17.1 | 1.996 | 2.979 | 0.4 | 19.2 |
| 1 6 | 6 15.51 | +21 38.9 | 2.025 | 2.994 | 3.9 | 19.5 |
| 1 16 | 6 6.28 | +21 1.3 | 2.085 | 3.008 | 7.8 | 19.7 |
| 1 26 | 5 59.12 | +20 26.4 | 2.171 | 3.022 | 11.1 | 20.0 |
| 2 5 | 5 54.47 | +19 55.7 | 2.281 | 3.035 | 13.9 | 20.2 |

**215940** 2005 $LS_5$ 12 27.4 262.°73 0.°3/27.5 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.44 | +20 12.3 | 1.904 | 2.755 | 12.5 | 20.2 |
| 12 7 | 6 44.99 | +20 54.5 | 1.821 | 2.743 | 8.9 | 20.0 |
| 12 17 | 6 36.23 | +21 42.5 | 1.764 | 2.731 | 4.7 | 19.7 |
| 12 27 | 6 25.98 | +22 33.0 | 1.736 | 2.719 | 0.3 | 19.3 |
| 1 6 | 6 15.42 | +23 22.6 | 1.737 | 2.706 | 4.3 | 19.6 |
| 1 16 | 6 5.78 | +24 8.5 | 1.768 | 2.694 | 8.7 | 19.9 |
| 1 26 | 5 58.16 | +24 49.6 | 1.824 | 2.681 | 12.6 | 20.1 |
| 2 5 | 5 53.30 | +25 25.9 | 1.903 | 2.668 | 15.8 | 20.3 |

**108071** 2001 $FS_{167}$ 12 27.4 265.°97 1.°3/27.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.52 | +16 49.5 | 1.797 | 2.646 | 13.2 | 19.4 |
| 12 7 | 6 45.08 | +17 37.2 | 1.720 | 2.640 | 9.5 | 19.1 |
| 12 17 | 6 36.28 | +18 34.6 | 1.668 | 2.633 | 5.2 | 18.8 |
| 12 27 | 6 25.99 | +19 38.3 | 1.644 | 2.626 | 1.4 | 18.6 |
| 1 6 | 6 15.42 | +20 44.2 | 1.650 | 2.619 | 4.6 | 18.8 |
| 1 16 | 6 5.83 | +21 48.8 | 1.685 | 2.612 | 9.0 | 19.0 |
| 1 26 | 5 58.34 | +22 49.4 | 1.746 | 2.605 | 12.9 | 19.2 |
| 2 5 | 5 53.68 | +23 44.9 | 1.829 | 2.598 | 16.3 | 19.5 |

**195191** Constantinetsang 12 27.4 19.°43 0.°5/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.79 | +22 2.4 | 1.190 | 2.067 | 16.6 | 20.1 |
| 12 7 | 6 45.09 | +22 2.2 | 1.139 | 2.072 | 11.8 | 19.9 |
| 12 17 | 6 36.37 | +22 4.9 | 1.109 | 2.079 | 6.2 | 19.6 |
| 12 27 | 6 25.99 | +22 8.3 | 1.103 | 2.087 | 0.6 | 19.2 |
| 1 6 | 6 15.68 | +22 11.0 | 1.124 | 2.095 | 5.6 | 19.6 |
| 1 16 | 6 7.14 | +22 12.7 | 1.169 | 2.105 | 11.0 | 19.9 |
| 1 26 | 6 1.62 | +22 14.2 | 1.236 | 2.116 | 15.7 | 20.2 |
| 2 5 | 5 59.73 | +22 16.4 | 1.322 | 2.127 | 19.5 | 20.5 |

**430567** 2002 $PO_{169}$ 12 27.5 155.°29 0.°2/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.41 | +21 21.2 | 1.815 | 2.663 | 13.2 | 21.7 |
| 12 7 | 6 47.63 | +21 47.1 | 1.751 | 2.671 | 9.3 | 21.5 |
| 12 17 | 6 37.51 | +22 15.9 | 1.712 | 2.679 | 4.9 | 21.2 |
| 12 27 | 6 26.05 | +22 44.5 | 1.703 | 2.686 | 0.3 | 20.9 |
| 1 6 | 6 14.56 | +23 10.5 | 1.723 | 2.692 | 4.4 | 21.2 |
| 1 16 | 6 4.31 | +23 32.6 | 1.773 | 2.698 | 8.8 | 21.5 |
| 1 26 | 5 56.37 | +23 51.0 | 1.849 | 2.703 | 12.6 | 21.7 |
| 2 5 | 5 51.34 | +24 6.7 | 1.947 | 2.706 | 15.7 | 22.0 |

**368359** 2002 $QS_{128}$ 12 27.5 79.°48 0.°4/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.24 | +21 31.7 | 2.254 | 3.103 | 10.9 | 21.8 |
| 12 7 | 6 42.88 | +21 42.2 | 2.199 | 3.120 | 7.7 | 21.6 |
| 12 17 | 6 34.84 | +21 54.3 | 2.170 | 3.137 | 4.0 | 21.4 |
| 12 27 | 6 25.93 | +22 6.6 | 2.170 | 3.153 | 0.4 | 21.2 |
| 1 6 | 6 17.10 | +22 17.9 | 2.201 | 3.170 | 3.6 | 21.5 |
| 1 16 | 6 9.25 | +22 27.8 | 2.261 | 3.187 | 7.1 | 21.7 |
| 1 26 | 6 3.14 | +22 36.3 | 2.348 | 3.203 | 10.2 | 21.9 |
| 2 5 | 5 59.23 | +22 44.0 | 2.458 | 3.219 | 12.8 | 22.1 |

**41051** 1999 $VR_{10}$ 12 27.5 51.°83 1.°5/27.1 18 R

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.64 | +25 14.4 | 1.930 | 2.785 | 12.2 | 17.1 |
| 12 7 | 6 44.26 | +26 4.6 | 1.871 | 2.795 | 8.6 | 16.9 |
| 12 17 | 6 35.73 | +26 55.0 | 1.838 | 2.805 | 4.6 | 16.7 |
| 12 27 | 6 25.98 | +27 41.5 | 1.833 | 2.815 | 1.5 | 16.5 |
| 1 6 | 6 16.17 | +28 20.9 | 1.858 | 2.825 | 4.5 | 16.7 |
| 1 16 | 6 7.47 | +28 51.5 | 1.912 | 2.835 | 8.3 | 16.9 |
| 1 26 | 6 0.87 | +29 14.0 | 1.991 | 2.846 | 11.8 | 17.2 |
| 2 5 | 5 56.94 | +29 29.7 | 2.093 | 2.857 | 14.6 | 17.4 |

**211703** 2003 $XB_1$ 12 27.5 26.°81 2.°5/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.27 | +29 21.8 | 1.601 | 2.460 | 14.0 | 20.2 |
| 12 7 | 6 46.46 | +29 34.3 | 1.539 | 2.463 | 10.1 | 19.9 |
| 12 17 | 6 36.99 | +29 41.3 | 1.500 | 2.465 | 5.7 | 19.7 |
| 12 27 | 6 26.04 | +29 39.1 | 1.488 | 2.468 | 2.5 | 19.5 |
| 1 6 | 6 15.11 | +29 26.4 | 1.505 | 2.471 | 5.4 | 19.7 |
| 1 16 | 6 5.67 | +29 4.5 | 1.548 | 2.474 | 9.7 | 20.0 |
| 1 26 | 5 58.87 | +28 36.6 | 1.616 | 2.478 | 13.7 | 20.2 |
| 2 5 | 5 55.32 | +28 6.3 | 1.705 | 2.481 | 17.0 | 20.4 |

**332003** 2005 $LS_{13}$ 12 27.5 135.°40 3.°0/27.8 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.50 | +15 5.5 | 1.807 | 2.648 | 13.6 | 22.4 |
| 12 7 | 6 46.82 | +14 59.8 | 1.749 | 2.663 | 9.8 | 22.2 |
| 12 17 | 6 37.00 | +15 1.7 | 1.717 | 2.676 | 5.8 | 22.0 |
| 12 27 | 6 26.05 | +15 10.7 | 1.712 | 2.689 | 3.0 | 21.8 |
| 1 6 | 6 15.17 | +15 25.8 | 1.738 | 2.702 | 5.2 | 22.0 |
| 1 16 | 6 5.55 | +15 45.7 | 1.792 | 2.713 | 9.0 | 22.2 |
| 1 26 | 5 58.13 | +16 9.3 | 1.873 | 2.724 | 12.6 | 22.5 |
| 2 5 | 5 53.46 | +16 35.2 | 1.975 | 2.734 | 15.6 | 22.7 |

**108447** 2001 $KN_{47}$ 12 27.5 169.°18 0.°5/27.4 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.40 | +24 20.3 | 1.973 | 2.819 | 12.4 | 21.7 |
| 12 7 | 6 47.52 | +24 29.0 | 1.904 | 2.824 | 8.7 | 21.4 |
| 12 17 | 6 37.42 | +24 36.7 | 1.862 | 2.828 | 4.6 | 21.2 |
| 12 27 | 6 26.08 | +24 41.3 | 1.849 | 2.832 | 0.5 | 20.9 |
| 1 6 | 6 14.73 | +24 41.5 | 1.866 | 2.835 | 4.2 | 21.2 |
| 1 16 | 6 4.57 | +24 37.3 | 1.913 | 2.837 | 8.4 | 21.5 |
| 1 26 | 5 56.61 | +24 30.3 | 1.987 | 2.838 | 12.0 | 21.7 |
| 2 5 | 5 51.41 | +24 22.2 | 2.083 | 2.838 | 15.0 | 21.9 |

**418741** 2008 $UQ_{145}$ 12 27.5 52.°77 0.°2/27.5 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.72 | +22 11.1 | 2.105 | 2.958 | 11.4 | 21.7 |
| 12 7 | 6 42.66 | +22 22.3 | 2.046 | 2.970 | 8.0 | 21.5 |
| 12 17 | 6 34.80 | +22 35.0 | 2.014 | 2.981 | 4.2 | 21.3 |
| 12 27 | 6 25.96 | +22 47.5 | 2.010 | 2.993 | 0.3 | 21.0 |
| 1 6 | 6 17.17 | +22 58.6 | 2.036 | 3.005 | 3.8 | 21.3 |
| 1 16 | 6 9.39 | +23 7.6 | 2.090 | 3.017 | 7.5 | 21.5 |
| 1 26 | 6 3.45 | +23 14.9 | 2.171 | 3.030 | 10.8 | 21.8 |
| 2 5 | 5 59.84 | +23 21.1 | 2.275 | 3.042 | 13.5 | 22.0 |

**364361** 2006 $UQ_{270}$ 12 27.5 35.°27 3.°5/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.90 | +15 8.4 | 1.782 | 2.632 | 13.3 | 21.0 |
| 12 7 | 6 43.70 | +14 36.6 | 1.718 | 2.634 | 9.7 | 20.8 |
| 12 17 | 6 35.42 | +14 11.7 | 1.677 | 2.637 | 6.0 | 20.6 |
| 12 27 | 6 26.00 | +13 54.7 | 1.665 | 2.640 | 3.5 | 20.5 |
| 1 6 | 6 16.58 | +13 46.0 | 1.681 | 2.643 | 5.5 | 20.6 |
| 1 16 | 6 8.28 | +13 45.5 | 1.724 | 2.646 | 9.2 | 20.8 |
| 1 26 | 6 2.06 | +13 52.5 | 1.793 | 2.650 | 12.8 | 21.0 |
| 2 5 | 5 58.45 | +14 5.5 | 1.883 | 2.653 | 15.8 | 21.3 |

**159734** 2003 $EU_{10}$ 12 27.5 297.°69 3.°7/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.11 | +15 33.5 | 1.455 | 2.313 | 15.3 | 19.6 |
| 12 7 | 6 45.28 | +15 11.3 | 1.368 | 2.290 | 11.3 | 19.3 |
| 12 17 | 6 36.61 | +14 57.0 | 1.304 | 2.267 | 6.8 | 19.0 |
| 12 27 | 6 26.06 | +14 51.7 | 1.266 | 2.243 | 3.7 | 18.7 |
| 1 6 | 6 15.05 | +14 55.6 | 1.255 | 2.220 | 6.4 | 18.8 |
| 1 16 | 6 5.14 | +15 8.0 | 1.269 | 2.197 | 11.2 | 19.0 |
| 1 26 | 5 57.71 | +15 28.1 | 1.307 | 2.174 | 15.9 | 19.2 |
| 2 5 | 5 53.65 | +15 54.1 | 1.364 | 2.152 | 19.9 | 19.4 |

**74237** 1998 $SX_{47}$ 12 27.5 340.°17 1.°7/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.93 | +26 45.6 | 1.672 | 2.532 | 13.5 | 19.5 |
| 12 7 | 6 45.49 | +27 6.2 | 1.604 | 2.530 | 9.6 | 19.3 |
| 12 17 | 6 36.51 | +27 24.7 | 1.560 | 2.528 | 5.2 | 19.0 |
| 12 27 | 6 26.05 | +27 37.6 | 1.544 | 2.526 | 1.7 | 18.8 |
| 1 6 | 6 15.49 | +27 42.9 | 1.556 | 2.524 | 5.0 | 19.0 |
| 1 16 | 6 6.22 | +27 40.5 | 1.595 | 2.522 | 9.4 | 19.2 |
| 1 26 | 5 59.39 | +27 32.2 | 1.659 | 2.521 | 13.4 | 19.5 |
| 2 5 | 5 55.66 | +27 20.7 | 1.744 | 2.520 | 16.7 | 19.7 |

**322473** 2011 $UZ_{187}$ 12 27.5 214.°06 3.°2/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.18 | +32 25.7 | 2.092 | 2.933 | 11.9 | 21.0 |
| 12 7 | 6 47.49 | +32 42.7 | 2.014 | 2.927 | 8.7 | 20.7 |
| 12 17 | 6 37.48 | +32 52.4 | 1.961 | 2.920 | 5.3 | 20.5 |
| 12 27 | 6 26.10 | +32 51.1 | 1.938 | 2.913 | 3.2 | 20.4 |
| 1 6 | 6 14.63 | +32 37.4 | 1.945 | 2.905 | 5.2 | 20.5 |
| 1 16 | 6 4.32 | +32 12.3 | 1.981 | 2.896 | 8.6 | 20.7 |
| 1 26 | 5 56.24 | +31 38.9 | 2.043 | 2.887 | 12.0 | 20.9 |
| 2 5 | 5 51.02 | +31 1.3 | 2.128 | 2.877 | 14.9 | 21.1 |

**171680** 2000 $RS_{21}$ 12 27.5 69.°90 0.°8/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.08 | +21 46.1 | 1.213 | 2.081 | 17.0 | 19.9 |
| 12 7 | 6 48.62 | +21 41.5 | 1.169 | 2.098 | 12.0 | 19.7 |
| 12 17 | 6 38.14 | +21 39.3 | 1.146 | 2.115 | 6.3 | 19.4 |
| 12 27 | 6 26.12 | +21 37.6 | 1.149 | 2.133 | 0.8 | 19.1 |
| 1 6 | 6 14.40 | +21 35.2 | 1.179 | 2.150 | 5.6 | 19.5 |
| 1 16 | 6 4.64 | +21 32.4 | 1.235 | 2.167 | 11.0 | 19.8 |
| 1 26 | 5 58.07 | +21 30.4 | 1.313 | 2.185 | 15.5 | 20.1 |
| 2 5 | 5 55.18 | +21 30.1 | 1.410 | 2.202 | 19.2 | 20.4 |

**292172** 2006 $SU_{12}$ 12 27.5 60.°92 7.°6/28.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.29 | + 4 5.3 | 1.713 | 2.536 | 15.0 | 20.2 |
| 12 7 | 6 43.19 | + 3 24.8 | 1.663 | 2.550 | 12.0 | 20.1 |
| 12 17 | 6 35.11 | + 3 2.2 | 1.635 | 2.564 | 9.1 | 19.9 |
| 12 27 | 6 25.99 | + 3 0.2 | 1.633 | 2.578 | 7.6 | 19.9 |
| 1 6 | 6 16.97 | + 3 18.6 | 1.658 | 2.592 | 8.5 | 19.9 |
| 1 16 | 6 9.10 | + 3 55.1 | 1.709 | 2.607 | 10.9 | 20.1 |
| 1 26 | 6 3.29 | + 4 45.5 | 1.784 | 2.622 | 13.7 | 20.3 |
| 2 5 | 6 0.02 | + 5 44.8 | 1.879 | 2.636 | 16.3 | 20.6 |

**239364** 2007 $RH_{219}$ 12 27.5 92.°22 9.°7/29.4 15

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.31 | − 3 40.7 | 1.901 | 2.680 | 15.4 | 21.2 |
| 12 7 | 6 44.36 | − 4 29.6 | 1.860 | 2.705 | 13.0 | 21.1 |
| 12 17 | 6 35.62 | − 4 55.7 | 1.842 | 2.730 | 10.8 | 21.0 |
| 12 27 | 6 26.02 | − 4 55.9 | 1.849 | 2.755 | 9.7 | 21.0 |
| 1 6 | 6 16.59 | − 4 30.5 | 1.882 | 2.779 | 10.1 | 21.0 |
| 1 16 | 6 8.33 | − 3 42.5 | 1.941 | 2.802 | 11.7 | 21.2 |
| 1 26 | 6 2.00 | − 2 37.2 | 2.024 | 2.825 | 13.7 | 21.4 |
| 2 5 | 5 58.06 | − 1 20.8 | 2.127 | 2.848 | 15.7 | 21.6 |

**231806** 2000 $EH_{123}$ 12 27.5 296.°32 1.°2/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.09 | +19 6.6 | 2.144 | 2.995 | 11.3 | 20.5 |
| 12 7 | 6 42.37 | +19 12.5 | 2.062 | 2.983 | 8.1 | 20.3 |
| 12 17 | 6 34.75 | +19 22.3 | 2.005 | 2.971 | 4.4 | 20.1 |
| 12 27 | 6 25.98 | +19 35.3 | 1.977 | 2.959 | 1.3 | 19.8 |
| 1 6 | 6 17.05 | +19 50.1 | 1.978 | 2.947 | 4.0 | 20.0 |
| 1 16 | 6 8.94 | +20 5.8 | 2.009 | 2.935 | 7.8 | 20.2 |
| 1 26 | 6 2.56 | +20 22.2 | 2.066 | 2.924 | 11.3 | 20.4 |
| 2 5 | 5 58.49 | +20 38.8 | 2.145 | 2.912 | 14.2 | 20.6 |

**400328** 2007 $TJ_{447}$ 12 27.5 200.°78 5.°7/26.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.41 | +37 27.4 | 2.060 | 2.894 | 12.4 | 21.3 |
| 12 7 | 6 48.65 | +38 34.7 | 1.990 | 2.891 | 9.5 | 21.1 |
| 12 17 | 6 38.22 | +39 32.7 | 1.946 | 2.888 | 6.8 | 21.0 |
| 12 27 | 6 26.14 | +40 14.7 | 1.930 | 2.885 | 5.7 | 20.9 |
| 1 6 | 6 13.81 | +40 36.9 | 1.943 | 2.881 | 7.1 | 21.0 |
| 1 16 | 6 2.69 | +40 39.2 | 1.983 | 2.876 | 9.9 | 21.1 |
| 1 26 | 5 54.03 | +40 25.0 | 2.049 | 2.872 | 12.8 | 21.3 |
| 2 5 | 5 48.54 | +39 59.6 | 2.136 | 2.866 | 15.4 | 21.5 |

**331284** 2011 $DH_{26}$ 12 27.5 64.°88 4.°2/28.3 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.69 | + 9 46.2 | 2.131 | 2.963 | 12.1 | 20.8 |
| 12 7 | 6 41.92 | + 9 45.8 | 2.065 | 2.968 | 9.1 | 20.6 |
| 12 17 | 6 34.42 | + 9 56.7 | 2.024 | 2.973 | 6.1 | 20.5 |
| 12 27 | 6 25.97 | +10 19.1 | 2.012 | 2.978 | 4.3 | 20.4 |
| 1 6 | 6 17.49 | +10 51.9 | 2.028 | 2.983 | 5.4 | 20.5 |
| 1 16 | 6 9.88 | +11 32.9 | 2.073 | 2.988 | 8.3 | 20.6 |
| 1 26 | 6 3.93 | +12 19.8 | 2.144 | 2.994 | 11.3 | 20.8 |
| 2 5 | 6 0.16 | +13 9.8 | 2.238 | 2.999 | 13.9 | 21.0 |

**450391** 2005 $QC_{81}$ 12 27.5 131.°50 1.°7/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.55 | +28 19.1 | 2.090 | 2.938 | 11.7 | 21.7 |
| 12 7 | 6 45.44 | +28 25.5 | 2.025 | 2.945 | 8.3 | 21.5 |
| 12 17 | 6 36.29 | +28 27.8 | 1.987 | 2.952 | 4.6 | 21.2 |
| 12 27 | 6 26.06 | +28 23.6 | 1.977 | 2.958 | 1.7 | 21.0 |
| 1 6 | 6 15.87 | +28 12.1 | 1.998 | 2.964 | 4.3 | 21.2 |
| 1 16 | 6 6.84 | +27 54.2 | 2.048 | 2.970 | 7.9 | 21.5 |
| 1 26 | 5 59.87 | +27 32.1 | 2.124 | 2.976 | 11.3 | 21.7 |
| 2 5 | 5 55.50 | +27 8.2 | 2.222 | 2.981 | 14.0 | 21.9 |

**382158** 2012 $GK_{33}$ 12 27.5 195.°27 0.°2/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.59 | +22 9.0 | 1.652 | 2.505 | 14.0 | 22.2 |
| 12 7 | 6 48.06 | +22 21.3 | 1.580 | 2.503 | 10.0 | 21.9 |
| 12 17 | 6 37.88 | +22 35.7 | 1.533 | 2.501 | 5.3 | 21.7 |
| 12 27 | 6 26.14 | +22 49.4 | 1.514 | 2.498 | 0.3 | 21.3 |
| 1 6 | 6 14.25 | +23 0.4 | 1.525 | 2.494 | 4.8 | 21.6 |
| 1 16 | 6 3.67 | +23 8.3 | 1.563 | 2.490 | 9.6 | 21.9 |
| 1 26 | 5 55.60 | +23 13.8 | 1.627 | 2.485 | 13.8 | 22.1 |
| 2 5 | 5 50.72 | +23 18.3 | 1.711 | 2.479 | 17.3 | 22.3 |

**332992** 2011 $FK_{154}$ 12 27.5 214.°26 4.°1/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 46.43 | + 9 16.0 | 2.607 | 3.430 | 10.4 | 21.4 |
| 12 7 | 6 40.82 | + 8 55.9 | 2.531 | 3.427 | 8.0 | 21.3 |
| 12 17 | 6 33.79 | + 8 44.6 | 2.481 | 3.424 | 5.5 | 21.1 |
| 12 27 | 6 25.95 | + 8 43.2 | 2.460 | 3.420 | 4.2 | 21.0 |
| 1 6 | 6 18.05 | + 8 51.6 | 2.468 | 3.417 | 5.1 | 21.1 |
| 1 16 | 6 10.83 | + 9 9.0 | 2.506 | 3.413 | 7.5 | 21.2 |
| 1 26 | 6 4.95 | + 9 34.1 | 2.571 | 3.409 | 10.0 | 21.4 |
| 2 5 | 6 0.88 | +10 4.8 | 2.659 | 3.405 | 12.3 | 21.5 |

**408465** 2013 $HP_{62}$ 12 27.5 205.°75 0.°6/27.5 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.76 | +21 34.1 | 2.073 | 2.923 | 11.7 | 22.0 |
| 12 7 | 6 44.22 | +21 32.5 | 2.000 | 2.921 | 8.3 | 21.8 |
| 12 17 | 6 35.69 | +21 32.4 | 1.952 | 2.919 | 4.4 | 21.6 |
| 12 27 | 6 26.05 | +21 32.5 | 1.933 | 2.916 | 0.6 | 21.3 |
| 1 6 | 6 16.33 | +21 32.2 | 1.944 | 2.913 | 4.0 | 21.5 |
| 1 16 | 6 7.60 | +21 31.3 | 1.984 | 2.910 | 7.9 | 21.8 |
| 1 26 | 6 0.77 | +21 30.3 | 2.051 | 2.907 | 11.4 | 22.0 |
| 2 5 | 5 56.41 | +21 30.0 | 2.140 | 2.904 | 14.4 | 22.2 |

**515033** 2009 $VF_{91}$ 12 27.5 33.°27 16.°5/ 5.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.95 | −14 35.6 | 1.027 | 1.803 | 25.9 | 19.7 |
| 12 7 | 6 45.03 | −14 25.0 | 0.999 | 1.828 | 22.7 | 19.6 |
| 12 17 | 6 36.24 | −13 21.5 | 0.984 | 1.854 | 19.6 | 19.5 |
| 12 27 | 6 26.08 | −11 22.4 | 0.987 | 1.881 | 17.3 | 19.5 |
| 1 6 | 6 16.30 | − 8 34.8 | 1.011 | 1.910 | 16.5 | 19.5 |
| 1 16 | 6 8.47 | − 5 13.6 | 1.058 | 1.940 | 17.5 | 19.7 |
| 1 26 | 6 3.72 | − 1 37.3 | 1.126 | 1.970 | 19.5 | 19.9 |
| 2 5 | 6 2.48 | + 1 56.9 | 1.214 | 2.002 | 21.9 | 20.2 |

**214901** 2007 $TQ_{95}$ 12 27.5 109.°39 0.°5/27.4 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.69 | +23 29.4 | 1.934 | 2.784 | 12.4 | 20.9 |
| 12 7 | 6 46.26 | +23 54.4 | 1.880 | 2.802 | 8.7 | 20.7 |
| 12 17 | 6 36.74 | +24 19.8 | 1.852 | 2.819 | 4.6 | 20.5 |
| 12 27 | 6 26.11 | +24 42.8 | 1.853 | 2.836 | 0.5 | 20.2 |
| 1 6 | 6 15.57 | +25 1.4 | 1.884 | 2.853 | 4.2 | 20.5 |
| 1 16 | 6 6.27 | +25 14.9 | 1.944 | 2.869 | 8.2 | 20.8 |
| 1 26 | 5 59.12 | +25 24.2 | 2.031 | 2.885 | 11.6 | 21.1 |
| 2 5 | 5 54.67 | +25 30.5 | 2.140 | 2.900 | 14.5 | 21.3 |

**307373** 2002 $SA_{16}$ 12 27.5 87.°95 4.°5/27.6 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.47 | +36 14.3 | 1.818 | 2.659 | 13.5 | 20.8 |
| 12 7 | 6 49.10 | +36 17.7 | 1.765 | 2.674 | 10.0 | 20.6 |
| 12 17 | 6 38.24 | +36 8.5 | 1.736 | 2.689 | 6.5 | 20.4 |
| 12 27 | 6 26.18 | +35 43.4 | 1.735 | 2.703 | 4.5 | 20.3 |
| 1 6 | 6 14.42 | +35 2.1 | 1.763 | 2.718 | 6.1 | 20.5 |
| 1 16 | 6 4.35 | +34 7.9 | 1.819 | 2.733 | 9.4 | 20.7 |
| 1 26 | 5 56.98 | +33 6.5 | 1.901 | 2.747 | 12.7 | 20.9 |
| 2 5 | 5 52.80 | +32 3.2 | 2.004 | 2.761 | 15.4 | 21.2 |

**491537** 2012 $LU_2$ 12 27.5 117.°35 2.°3/27.0 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.33 | +29 11.0 | 2.415 | 3.261 | 10.4 | 21.2 |
| 12 7 | 6 43.81 | +29 53.6 | 2.350 | 3.267 | 7.4 | 21.1 |
| 12 17 | 6 35.46 | +30 33.2 | 2.312 | 3.274 | 4.3 | 20.9 |
| 12 27 | 6 26.06 | +31 6.4 | 2.303 | 3.280 | 2.3 | 20.8 |
| 1 6 | 6 16.59 | +31 30.8 | 2.325 | 3.286 | 4.3 | 20.9 |
| 1 16 | 6 8.03 | +31 46.0 | 2.376 | 3.292 | 7.4 | 21.1 |
| 1 26 | 6 1.22 | +31 52.9 | 2.455 | 3.298 | 10.2 | 21.3 |
| 2 5 | 5 56.71 | +31 53.6 | 2.556 | 3.304 | 12.7 | 21.5 |

**520806** 2014 $TK_{42}$ 12 27.5 75.°98 1.°8/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.23 | +17 43.2 | 2.146 | 2.993 | 11.5 | 21.4 |
| 12 7 | 6 42.92 | +17 38.8 | 2.092 | 3.010 | 8.2 | 21.3 |
| 12 17 | 6 34.91 | +17 39.0 | 2.063 | 3.027 | 4.6 | 21.1 |
| 12 27 | 6 26.03 | +17 43.0 | 2.064 | 3.044 | 1.8 | 20.9 |
| 1 6 | 6 17.25 | +17 50.3 | 2.094 | 3.061 | 4.1 | 21.1 |
| 1 16 | 6 9.48 | +18 0.2 | 2.154 | 3.078 | 7.5 | 21.3 |
| 1 26 | 6 3.47 | +18 12.1 | 2.240 | 3.095 | 10.6 | 21.6 |
| 2 5 | 5 59.70 | +18 25.7 | 2.349 | 3.112 | 13.3 | 21.8 |

**386672** 2009 $UA_{129}$ 12 27.5 58.°09 2.°2/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.25 | +26 58.7 | 1.297 | 2.164 | 16.2 | 20.9 |
| 12 7 | 6 48.14 | +27 27.7 | 1.249 | 2.178 | 11.4 | 20.7 |
| 12 17 | 6 37.97 | +27 53.8 | 1.225 | 2.193 | 6.2 | 20.4 |
| 12 27 | 6 26.17 | +28 11.9 | 1.226 | 2.208 | 2.2 | 20.2 |
| 1 6 | 6 14.56 | +28 19.5 | 1.255 | 2.223 | 5.8 | 20.5 |
| 1 16 | 6 4.82 | +28 17.0 | 1.309 | 2.238 | 10.8 | 20.8 |
| 1 26 | 5 58.23 | +28 7.5 | 1.386 | 2.254 | 15.1 | 21.1 |
| 2 5 | 5 55.32 | +27 54.3 | 1.482 | 2.270 | 18.6 | 21.4 |

**167197** 2003 $TO_5$ 12 27.5 9.°63 6.°1/27.9 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.17 | +38 15.4 | 1.342 | 2.197 | 16.5 | 18.9 |
| 12 7 | 6 49.00 | +38 12.9 | 1.284 | 2.199 | 12.5 | 18.7 |
| 12 17 | 6 38.48 | +37 52.4 | 1.248 | 2.201 | 8.5 | 18.5 |
| 12 27 | 6 26.20 | +37 8.9 | 1.237 | 2.204 | 6.1 | 18.4 |
| 1 6 | 6 14.19 | +36 2.7 | 1.252 | 2.208 | 7.8 | 18.5 |
| 1 16 | 6 4.31 | +34 39.4 | 1.292 | 2.213 | 11.7 | 18.7 |
| 1 26 | 5 57.88 | +33 7.8 | 1.356 | 2.219 | 15.7 | 18.9 |
| 2 5 | 5 55.39 | +31 36.2 | 1.439 | 2.226 | 19.1 | 19.2 |

**176258** 2001 $RD_{16}$ 12 27.5 80.°01 3.°8/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.62 | +12 45.1 | 1.855 | 2.697 | 13.2 | 20.3 |
| 12 7 | 6 43.48 | +12 37.1 | 1.790 | 2.702 | 9.7 | 20.1 |
| 12 17 | 6 35.33 | +12 38.9 | 1.750 | 2.707 | 6.1 | 19.9 |
| 12 27 | 6 26.07 | +12 50.7 | 1.738 | 2.711 | 3.8 | 19.7 |
| 1 6 | 6 16.77 | +13 11.6 | 1.755 | 2.716 | 5.5 | 19.8 |
| 1 16 | 6 8.52 | +13 40.0 | 1.799 | 2.720 | 9.0 | 20.1 |
| 1 26 | 6 2.24 | +14 13.9 | 1.870 | 2.725 | 12.4 | 20.3 |
| 2 5 | 5 58.48 | +14 51.0 | 1.961 | 2.730 | 15.3 | 20.5 |

**45174** 1999 $XO_{137}$ 12 27.5 104.°45 4.°5/28.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.53 | +11 13.5 | 1.574 | 2.414 | 15.3 | 19.2 |
| 12 7 | 6 47.01 | +11 13.1 | 1.525 | 2.434 | 11.3 | 19.0 |
| 12 17 | 6 37.19 | +11 25.9 | 1.499 | 2.453 | 7.2 | 18.9 |
| 12 27 | 6 26.16 | +11 51.4 | 1.501 | 2.472 | 4.5 | 18.7 |
| 1 6 | 6 15.28 | +12 27.6 | 1.531 | 2.491 | 6.3 | 18.9 |
| 1 16 | 6 5.82 | +13 11.5 | 1.588 | 2.508 | 10.0 | 19.1 |
| 1 26 | 5 58.79 | +14 0.1 | 1.671 | 2.526 | 13.7 | 19.4 |
| 2 5 | 5 54.71 | +14 50.6 | 1.775 | 2.542 | 16.7 | 19.7 |

**518331** 2017 $BC_{120}$ 12 27.5 42.°28 3.°5/28.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.30 | +13 43.6 | 1.542 | 2.395 | 14.8 | 21.1 |
| 12 7 | 6 44.24 | +13 49.8 | 1.485 | 2.403 | 10.8 | 20.8 |
| 12 17 | 6 35.83 | +14 7.4 | 1.451 | 2.412 | 6.6 | 20.6 |
| 12 27 | 6 26.11 | +14 35.6 | 1.444 | 2.420 | 3.5 | 20.5 |
| 1 6 | 6 16.38 | +15 12.2 | 1.464 | 2.429 | 5.7 | 20.6 |
| 1 16 | 6 7.94 | +15 54.4 | 1.511 | 2.439 | 9.8 | 20.9 |
| 1 26 | 6 1.84 | +16 39.6 | 1.583 | 2.449 | 13.7 | 21.1 |
| 2 5 | 5 58.66 | +17 25.5 | 1.676 | 2.459 | 17.0 | 21.4 |

**114800** 2003 $NM_7$ 12 27.5 59.°57 5.°8/28.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.62 | +11 21.9 | 1.119 | 1.972 | 19.2 | 19.1 |
| 12 7 | 6 49.96 | +10 52.5 | 1.098 | 2.013 | 14.1 | 18.9 |
| 12 17 | 6 38.61 | +10 40.2 | 1.099 | 2.054 | 9.0 | 18.8 |
| 12 27 | 6 26.22 | +10 45.2 | 1.125 | 2.095 | 5.9 | 18.7 |
| 1 6 | 6 14.58 | +11 5.5 | 1.176 | 2.136 | 7.8 | 19.0 |
| 1 16 | 6 5.18 | +11 37.9 | 1.253 | 2.176 | 11.9 | 19.3 |
| 1 26 | 5 58.98 | +12 18.1 | 1.353 | 2.215 | 15.8 | 19.6 |
| 2 5 | 5 56.29 | +13 2.2 | 1.471 | 2.254 | 18.9 | 20.0 |

**52057** Clarkhowell 12 27.5 107.°10 4.°2/27.4 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.03 | +34 43.0 | 1.852 | 2.695 | 13.1 | 19.1 |
| 12 7 | 6 48.18 | +35 0.9 | 1.793 | 2.705 | 9.7 | 18.9 |
| 12 17 | 6 37.85 | +35 8.5 | 1.760 | 2.715 | 6.2 | 18.7 |
| 12 27 | 6 26.21 | +35 1.9 | 1.754 | 2.725 | 4.2 | 18.6 |
| 1 6 | 6 14.72 | +34 39.9 | 1.778 | 2.734 | 6.0 | 18.7 |
| 1 16 | 6 4.74 | +34 4.5 | 1.829 | 2.743 | 9.3 | 18.9 |
| 1 26 | 5 57.34 | +33 20.3 | 1.906 | 2.752 | 12.6 | 19.1 |
| 2 5 | 5 53.05 | +32 32.2 | 2.005 | 2.761 | 15.4 | 19.4 |

**484201** 2006 $WY_{19}$ 12 27.5 67.°50 0.°8/27.6 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.13 | +20 0.6 | 1.721 | 2.575 | 13.5 | 21.5 |
| 12 7 | 6 45.27 | +20 18.1 | 1.674 | 2.597 | 9.5 | 21.3 |
| 12 17 | 6 36.26 | +20 39.5 | 1.652 | 2.619 | 5.0 | 21.1 |
| 12 27 | 6 26.14 | +21 2.6 | 1.658 | 2.641 | 0.9 | 20.8 |
| 1 6 | 6 16.19 | +21 25.3 | 1.693 | 2.662 | 4.4 | 21.2 |
| 1 16 | 6 7.58 | +21 46.3 | 1.756 | 2.684 | 8.6 | 21.5 |
| 1 26 | 6 1.23 | +22 5.6 | 1.845 | 2.706 | 12.3 | 21.7 |
| 2 5 | 5 57.64 | +22 23.3 | 1.955 | 2.728 | 15.2 | 22.0 |

**411142** 2009 $WZ_{262}$ 12 27.5 40.°51 0.°4/27.6 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.99 | +20 0.2 | 2.041 | 2.893 | 11.8 | 21.0 |
| 12 7 | 6 43.02 | +20 37.8 | 1.977 | 2.900 | 8.3 | 20.8 |
| 12 17 | 6 35.11 | +21 19.9 | 1.940 | 2.907 | 4.4 | 20.5 |
| 12 27 | 6 26.10 | +22 3.8 | 1.931 | 2.914 | 0.5 | 20.2 |
| 1 6 | 6 17.03 | +22 46.6 | 1.952 | 2.922 | 3.9 | 20.5 |
| 1 16 | 6 8.92 | +23 26.5 | 2.002 | 2.929 | 7.8 | 20.8 |
| 1 26 | 6 2.66 | +24 2.4 | 2.079 | 2.937 | 11.2 | 21.0 |
| 2 5 | 5 58.82 | +24 34.3 | 2.178 | 2.945 | 14.0 | 21.2 |

**40884** 1999 $TC_{126}$ 12 27.5 153.°48 0.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.20 | +23 17.2 | 2.026 | 2.873 | 12.0 | 20.3 |
| 12 7 | 6 45.94 | +23 26.1 | 1.960 | 2.880 | 8.5 | 20.1 |
| 12 17 | 6 36.63 | +23 35.1 | 1.920 | 2.887 | 4.5 | 19.9 |
| 12 27 | 6 26.17 | +23 42.4 | 1.909 | 2.893 | 0.2 | 19.6 |
| 1 6 | 6 15.72 | +23 46.7 | 1.929 | 2.898 | 4.0 | 19.9 |
| 1 16 | 6 6.39 | +23 47.9 | 1.978 | 2.903 | 8.0 | 20.2 |
| 1 26 | 5 59.10 | +23 46.8 | 2.054 | 2.907 | 11.5 | 20.4 |
| 2 5 | 5 54.41 | +23 44.9 | 2.152 | 2.911 | 14.4 | 20.6 |

**60203** 1999 $VK_{59}$ 12 27.5 66.°65 0.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.33 | +22 51.8 | 1.285 | 2.151 | 16.3 | 19.7 |
| 12 7 | 6 48.08 | +22 55.8 | 1.238 | 2.167 | 11.5 | 19.4 |
| 12 17 | 6 37.92 | +23 1.1 | 1.214 | 2.183 | 6.0 | 19.2 |
| 12 27 | 6 26.23 | +23 5.0 | 1.216 | 2.199 | 0.3 | 18.8 |
| 1 6 | 6 14.78 | +23 6.0 | 1.244 | 2.215 | 5.4 | 19.2 |
| 1 16 | 6 5.17 | +23 4.4 | 1.299 | 2.232 | 10.6 | 19.6 |
| 1 26 | 5 58.61 | +23 1.6 | 1.378 | 2.248 | 15.0 | 19.9 |
| 2 5 | 5 55.62 | +22 59.0 | 1.475 | 2.264 | 18.6 | 20.2 |

**471072** 2009 $WU$ 12 27.5 2.°88 2.°5/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.90 | +29 24.2 | 1.052 | 1.934 | 17.9 | 20.1 |
| 12 7 | 6 46.41 | +29 10.5 | 0.997 | 1.932 | 12.8 | 19.8 |
| 12 17 | 6 37.33 | +28 48.0 | 0.962 | 1.932 | 7.2 | 19.5 |
| 12 27 | 6 26.22 | +28 13.8 | 0.951 | 1.932 | 2.5 | 19.2 |
| 1 6 | 6 15.21 | +27 28.2 | 0.963 | 1.935 | 6.5 | 19.4 |
| 1 16 | 6 6.29 | +26 35.4 | 1.000 | 1.938 | 12.2 | 19.8 |
| 1 26 | 6 0.93 | +25 41.3 | 1.057 | 1.943 | 17.2 | 20.1 |
| 2 5 | 5 59.72 | +24 50.5 | 1.132 | 1.949 | 21.4 | 20.4 |

**270104** 2001 $QP_{294}$ 12 27.5 119.°72 1.°9/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.80 | +18 41.0 | 1.762 | 2.609 | 13.5 | 21.4 |
| 12 7 | 6 47.11 | +18 29.1 | 1.707 | 2.625 | 9.6 | 21.2 |
| 12 17 | 6 37.23 | +18 21.3 | 1.677 | 2.641 | 5.3 | 21.0 |
| 12 27 | 6 26.23 | +18 16.9 | 1.676 | 2.657 | 1.9 | 20.8 |
| 1 6 | 6 15.38 | +18 15.4 | 1.704 | 2.672 | 4.7 | 21.0 |
| 1 16 | 6 5.86 | +18 16.6 | 1.761 | 2.686 | 8.9 | 21.3 |
| 1 26 | 5 58.65 | +18 20.6 | 1.844 | 2.699 | 12.6 | 21.5 |
| 2 5 | 5 54.25 | +18 27.3 | 1.949 | 2.712 | 15.6 | 21.8 |

**134785** 2000 $DK_{107}$ 12 27.5 343.°40 7.°3/29.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.81 | + 3 39.7 | 1.666 | 2.490 | 15.4 | 19.8 |
| 12 7 | 6 43.16 | + 3 32.8 | 1.598 | 2.486 | 12.2 | 19.6 |
| 12 17 | 6 35.31 | + 3 46.2 | 1.551 | 2.484 | 9.2 | 19.4 |
| 12 27 | 6 26.15 | + 4 21.6 | 1.530 | 2.481 | 7.4 | 19.3 |
| 1 6 | 6 16.85 | + 5 17.7 | 1.536 | 2.479 | 8.2 | 19.4 |
| 1 16 | 6 8.58 | + 6 30.6 | 1.569 | 2.477 | 11.0 | 19.5 |
| 1 26 | 6 2.37 | + 7 55.0 | 1.626 | 2.475 | 14.2 | 19.7 |
| 2 5 | 5 58.88 | + 9 24.8 | 1.703 | 2.474 | 17.2 | 19.9 |

**170713** 2004 $BK_{43}$ 12 27.5 293.°62 0.°7/27.4 18

| 11 27 | 6 51.34 | +23 58.3 | 1.769 | 2.627 | 13.0 | 20.1 |
|---|---|---|---|---|---|---|
| 12 7 | 6 45.05 | +24 19.6 | 1.695 | 2.620 | 9.2 | 19.9 |
| 12 17 | 6 36.35 | +24 41.8 | 1.646 | 2.614 | 4.9 | 19.6 |
| 12 27 | 6 26.21 | +25 2.0 | 1.624 | 2.607 | 0.7 | 19.3 |
| 1 6 | 6 15.88 | +25 17.9 | 1.631 | 2.601 | 4.6 | 19.5 |
| 1 16 | 6 6.68 | +25 28.7 | 1.667 | 2.595 | 9.0 | 19.8 |
| 1 26 | 5 59.72 | +25 35.2 | 1.727 | 2.589 | 12.9 | 20.0 |
| 2 5 | 5 55.68 | +25 38.7 | 1.809 | 2.583 | 16.2 | 20.2 |

**443883** 2001 $UB_{101}$ 12 27.5 68.°15 5.°1/27.1 15

| 11 27 | 6 57.80 | +35 47.4 | 1.771 | 2.613 | 13.7 | 21.7 |
|---|---|---|---|---|---|---|
| 12 7 | 6 49.38 | +36 36.7 | 1.736 | 2.645 | 10.2 | 21.6 |
| 12 17 | 6 38.44 | +37 14.2 | 1.726 | 2.677 | 6.8 | 21.4 |
| 12 27 | 6 26.30 | +37 34.7 | 1.744 | 2.708 | 5.1 | 21.4 |
| 1 6 | 6 14.49 | +37 36.3 | 1.791 | 2.740 | 6.7 | 21.6 |
| 1 16 | 6 4.42 | +37 20.9 | 1.865 | 2.771 | 9.7 | 21.8 |
| 1 26 | 5 57.12 | +36 53.3 | 1.964 | 2.802 | 12.7 | 22.1 |
| 2 5 | 5 53.04 | +36 18.8 | 2.084 | 2.832 | 15.2 | 22.3 |

**35339** 1997 $GS_{16}$ 12 27.5 326.°51 1.°0/27.6 18

| 11 27 | 6 49.36 | +20 9.5 | 2.026 | 2.878 | 11.8 | 18.1 |
|---|---|---|---|---|---|---|
| 12 7 | 6 43.31 | +20 11.3 | 1.954 | 2.876 | 8.4 | 17.9 |
| 12 17 | 6 35.29 | +20 16.1 | 1.908 | 2.875 | 4.5 | 17.7 |
| 12 27 | 6 26.16 | +20 22.9 | 1.891 | 2.873 | 1.0 | 17.4 |
| 1 6 | 6 16.96 | +20 30.6 | 1.903 | 2.872 | 4.1 | 17.7 |
| 1 16 | 6 8.72 | +20 38.7 | 1.944 | 2.871 | 8.0 | 17.9 |
| 1 26 | 6 2.36 | +20 47.2 | 2.011 | 2.870 | 11.5 | 18.1 |
| 2 5 | 5 58.44 | +20 56.1 | 2.100 | 2.869 | 14.4 | 18.3 |

**403083** 2008 $CA_{23}$ 12 27.5 355.°24 1.°2/27.4 18

| 11 27 | 6 51.65 | +25 48.3 | 1.766 | 2.624 | 13.0 | 21.4 |
|---|---|---|---|---|---|---|
| 12 7 | 6 45.21 | +26 6.7 | 1.698 | 2.623 | 9.2 | 21.2 |
| 12 17 | 6 36.40 | +26 24.0 | 1.655 | 2.623 | 5.0 | 20.9 |
| 12 27 | 6 26.21 | +26 36.9 | 1.640 | 2.622 | 1.3 | 20.6 |
| 1 6 | 6 15.95 | +26 43.7 | 1.653 | 2.622 | 4.6 | 20.9 |
| 1 16 | 6 6.89 | +26 44.2 | 1.695 | 2.622 | 8.9 | 21.1 |
| 1 26 | 6 0.13 | +26 39.8 | 1.761 | 2.622 | 12.8 | 21.4 |
| 2 5 | 5 56.29 | +26 32.6 | 1.849 | 2.622 | 16.0 | 21.6 |

**464030** 2014 $WK_{135}$ 12 27.5 66.°43 0.°6/27.4 17

| 11 27 | 6 49.22 | +23 35.6 | 2.242 | 3.093 | 10.9 | 21.4 |
|---|---|---|---|---|---|---|
| 12 7 | 6 43.11 | +24 9.6 | 2.175 | 3.097 | 7.7 | 21.2 |
| 12 17 | 6 35.16 | +24 44.7 | 2.134 | 3.101 | 4.0 | 21.0 |
| 12 27 | 6 26.17 | +25 18.3 | 2.123 | 3.106 | 0.7 | 20.7 |
| 1 6 | 6 17.09 | +25 48.0 | 2.141 | 3.110 | 3.8 | 21.0 |
| 1 16 | 6 8.91 | +26 12.8 | 2.189 | 3.114 | 7.4 | 21.2 |
| 1 26 | 6 2.48 | +26 32.5 | 2.264 | 3.118 | 10.6 | 21.4 |
| 2 5 | 5 58.34 | +26 48.1 | 2.362 | 3.123 | 13.3 | 21.6 |

**366023** 2012 $BZ_{133}$ 12 27.5 309.°68 0.°9/27.2 17

| 11 27 | 6 51.70 | +21 49.9 | 1.811 | 2.666 | 12.9 | 20.2 |
|---|---|---|---|---|---|---|
| 12 7 | 6 45.40 | +23 1.8 | 1.733 | 2.657 | 9.1 | 19.9 |
| 12 17 | 6 36.62 | +24 19.8 | 1.681 | 2.648 | 4.9 | 19.7 |
| 12 27 | 6 26.24 | +25 38.8 | 1.657 | 2.640 | 0.9 | 19.3 |
| 1 6 | 6 15.49 | +26 53.4 | 1.664 | 2.632 | 4.7 | 19.6 |
| 1 16 | 6 5.69 | +27 59.5 | 1.699 | 2.624 | 9.1 | 19.9 |
| 1 26 | 5 58.05 | +28 55.6 | 1.760 | 2.616 | 13.0 | 20.1 |
| 2 5 | 5 53.33 | +29 42.3 | 1.843 | 2.609 | 16.3 | 20.3 |

**335862** 2007 $RK_{52}$ 12 27.5 209.°07 4.°8/27.9 18

| 11 27 | 6 46.41 | + 6 18.4 | 2.870 | 3.680 | 10.0 | 21.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 40.75 | + 5 47.5 | 2.792 | 3.675 | 7.8 | 21.7 |
| 12 17 | 6 33.79 | + 5 26.1 | 2.740 | 3.670 | 5.8 | 21.6 |
| 12 27 | 6 26.10 | + 5 15.5 | 2.716 | 3.664 | 4.8 | 21.5 |
| 1 6 | 6 18.35 | + 5 16.2 | 2.723 | 3.658 | 5.5 | 21.5 |
| 1 16 | 6 11.19 | + 5 27.7 | 2.759 | 3.652 | 7.4 | 21.7 |
| 1 26 | 6 5.25 | + 5 48.6 | 2.821 | 3.645 | 9.6 | 21.8 |
| 2 5 | 6 0.95 | + 6 16.8 | 2.907 | 3.638 | 11.7 | 21.9 |

**225471** 2000 $FG_{24}$ 12 27.5 295.°54 4.°8/26.4 18

| 11 27 | 6 55.06 | +30 13.3 | 1.431 | 2.292 | 15.3 | 19.4 |
|---|---|---|---|---|---|---|
| 12 7 | 6 48.57 | +31 38.5 | 1.355 | 2.278 | 11.2 | 19.1 |
| 12 17 | 6 38.64 | +33 2.6 | 1.303 | 2.264 | 7.0 | 18.9 |
| 12 27 | 6 26.35 | +34 16.6 | 1.277 | 2.250 | 4.8 | 18.7 |
| 1 6 | 6 13.44 | +35 12.9 | 1.278 | 2.236 | 7.5 | 18.8 |
| 1 16 | 6 1.87 | +35 48.3 | 1.306 | 2.223 | 12.0 | 19.0 |
| 1 26 | 5 53.36 | +36 4.7 | 1.356 | 2.209 | 16.3 | 19.3 |
| 2 5 | 5 48.89 | +36 7.4 | 1.425 | 2.196 | 20.0 | 19.5 |

**441873** 2010 $AB_{55}$ 12 27.5 299.°61 1.°7/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.81 | +25 56.5 | 1.475 | 2.339 | 14.7 | 21.5 |
| 12 7 | 6 46.62 | +26 24.1 | 1.396 | 2.324 | 10.6 | 21.2 |
| 12 17 | 6 37.42 | +26 51.5 | 1.341 | 2.309 | 5.8 | 20.9 |
| 12 27 | 6 26.29 | +27 14.3 | 1.312 | 2.294 | 1.7 | 20.6 |
| 1 6 | 6 14.78 | +27 29.1 | 1.311 | 2.280 | 5.5 | 20.8 |
| 1 16 | 6 4.58 | +27 35.1 | 1.336 | 2.266 | 10.6 | 21.1 |
| 1 26 | 5 57.11 | +27 33.9 | 1.385 | 2.252 | 15.2 | 21.3 |
| 2 5 | 5 53.21 | +27 28.3 | 1.453 | 2.238 | 19.0 | 21.5 |

**353979** 2000 $DH_{97}$ 12 27.5 263.°80 5.°2/27.3 17

| 11 27 | 6 56.10 | +37 17.5 | 1.922 | 2.760 | 13.0 | 21.0 |
|---|---|---|---|---|---|---|
| 12 7 | 6 48.53 | +37 39.3 | 1.842 | 2.747 | 9.9 | 20.8 |
| 12 17 | 6 38.23 | +37 49.3 | 1.786 | 2.735 | 6.8 | 20.6 |
| 12 27 | 6 26.32 | +37 42.7 | 1.758 | 2.722 | 5.2 | 20.4 |
| 1 6 | 6 14.27 | +37 17.2 | 1.759 | 2.709 | 6.7 | 20.5 |
| 1 16 | 6 3.57 | +36 34.8 | 1.787 | 2.695 | 9.9 | 20.7 |
| 1 26 | 5 55.45 | +35 40.1 | 1.841 | 2.682 | 13.2 | 20.8 |
| 2 5 | 5 50.59 | +34 39.3 | 1.917 | 2.669 | 16.2 | 21.0 |

**186543** 2002 $WU_{15}$ 12 27.5 74.°13 5.°3/28.1 18

| 11 27 | 6 52.92 | +11 12.8 | 1.393 | 2.242 | 16.4 | 20.0 |
|---|---|---|---|---|---|---|
| 12 7 | 6 46.15 | +10 51.3 | 1.344 | 2.257 | 12.2 | 19.7 |
| 12 17 | 6 36.87 | +10 44.0 | 1.317 | 2.271 | 8.0 | 19.5 |
| 12 27 | 6 26.26 | +10 51.8 | 1.316 | 2.286 | 5.3 | 19.4 |
| 1 6 | 6 15.78 | +11 13.6 | 1.342 | 2.301 | 7.1 | 19.6 |
| 1 16 | 6 6.81 | +11 47.0 | 1.393 | 2.315 | 11.0 | 19.8 |
| 1 26 | 6 0.45 | +12 28.6 | 1.469 | 2.330 | 14.8 | 20.1 |
| 2 5 | 5 57.22 | +13 14.7 | 1.564 | 2.345 | 18.1 | 20.4 |

**73329** 2002 $JN_{105}$ 12 27.5 258.°06 3.°1/27.7 18

| 11 27 | 6 53.50 | +16 37.5 | 1.447 | 2.303 | 15.4 | 19.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 46.88 | +16 17.9 | 1.372 | 2.294 | 11.3 | 19.6 |
| 12 17 | 6 37.45 | +16 5.3 | 1.321 | 2.285 | 6.6 | 19.3 |
| 12 27 | 6 26.29 | +16 0.2 | 1.296 | 2.275 | 3.2 | 19.1 |
| 1 6 | 6 14.90 | +16 2.3 | 1.299 | 2.265 | 6.0 | 19.2 |
| 1 16 | 6 4.81 | +16 10.9 | 1.328 | 2.256 | 10.9 | 19.5 |
| 1 26 | 5 57.34 | +16 25.5 | 1.381 | 2.246 | 15.4 | 19.7 |
| 2 5 | 5 53.23 | +16 44.9 | 1.453 | 2.235 | 19.2 | 19.9 |

**367670** 2010 $BM_{30}$ 12 27.5 279.°09 3.°6/27.9 17

| 11 27 | 6 48.12 | +12 37.3 | 2.144 | 2.983 | 11.8 | 20.9 |
|---|---|---|---|---|---|---|
| 12 7 | 6 42.30 | +12 25.3 | 2.073 | 2.982 | 8.8 | 20.8 |
| 12 17 | 6 34.73 | +12 21.9 | 2.027 | 2.981 | 5.6 | 20.6 |
| 12 27 | 6 26.16 | +12 27.3 | 2.009 | 2.981 | 3.6 | 20.4 |
| 1 6 | 6 17.53 | +12 41.1 | 2.021 | 2.980 | 5.0 | 20.5 |
| 1 16 | 6 9.75 | +13 2.3 | 2.061 | 2.979 | 8.2 | 20.7 |
| 1 26 | 6 3.65 | +13 29.2 | 2.127 | 2.979 | 11.3 | 20.9 |
| 2 5 | 5 59.75 | +14 0.2 | 2.216 | 2.978 | 14.0 | 21.1 |

**56721** 2000 $NY_{11}$ 12 27.5 239.°98 3.°4/27.9 18

| 11 27 | 6 52.04 | +14 34.4 | 1.611 | 2.461 | 14.5 | 19.2 |
|---|---|---|---|---|---|---|
| 12 7 | 6 45.58 | +14 29.4 | 1.539 | 2.456 | 10.6 | 19.0 |
| 12 17 | 6 36.66 | +14 34.0 | 1.491 | 2.451 | 6.4 | 18.7 |
| 12 27 | 6 26.26 | +14 48.0 | 1.469 | 2.446 | 3.4 | 18.5 |
| 1 6 | 6 15.68 | +15 10.1 | 1.476 | 2.441 | 5.7 | 18.6 |
| 1 16 | 6 6.27 | +15 38.7 | 1.510 | 2.436 | 10.0 | 18.9 |
| 1 26 | 5 59.17 | +16 12.0 | 1.569 | 2.430 | 14.0 | 19.1 |
| 2 5 | 5 55.06 | +16 47.9 | 1.649 | 2.425 | 17.5 | 19.3 |

**473740** 2016 $DB_{28}$ 12 27.5 259.°88 10.°5/23.9 18

| 11 27 | 7 4.82 | +58 37.5 | 2.689 | 3.422 | 12.5 | 21.3 |
|---|---|---|---|---|---|---|
| 12 7 | 6 55.46 | +60 7.6 | 2.620 | 3.407 | 11.4 | 21.2 |
| 12 17 | 6 42.30 | +61 18.2 | 2.574 | 3.392 | 10.6 | 21.1 |
| 12 27 | 6 26.54 | +62 1.3 | 2.552 | 3.376 | 10.5 | 21.0 |
| 1 6 | 6 10.12 | +62 12.7 | 2.555 | 3.360 | 11.0 | 21.1 |
| 1 16 | 5 55.22 | +61 52.9 | 2.580 | 3.344 | 12.1 | 21.1 |
| 1 26 | 5 43.69 | +61 7.5 | 2.627 | 3.328 | 13.4 | 21.2 |
| 2 5 | 5 36.47 | +60 4.2 | 2.692 | 3.312 | 14.8 | 21.3 |

**222110** 1999 $UW_{11}$ 12 27.5 49.°93 4.°6/26.7 17

| 11 27 | 6 52.81 | +34 10.6 | 1.938 | 2.785 | 12.5 | 20.1 |
|---|---|---|---|---|---|---|
| 12 7 | 6 46.05 | +35 10.4 | 1.880 | 2.793 | 9.3 | 19.9 |
| 12 17 | 6 36.86 | +36 2.6 | 1.848 | 2.801 | 6.2 | 19.7 |
| 12 27 | 6 26.27 | +36 41.8 | 1.843 | 2.809 | 4.6 | 19.7 |
| 1 6 | 6 15.61 | +37 4.7 | 1.867 | 2.817 | 6.3 | 19.8 |
| 1 16 | 6 6.20 | +37 11.1 | 1.919 | 2.826 | 9.4 | 20.0 |
| 1 26 | 5 59.15 | +37 3.8 | 1.995 | 2.835 | 12.4 | 20.2 |
| 2 5 | 5 55.07 | +36 47.2 | 2.093 | 2.843 | 15.1 | 20.4 |

**85130** 1979 $MH_5$ 12 27.5 129.°82 0.°3/27.5 18

| 11 27 | 6 51.98 | +22 36.1 | 1.976 | 2.827 | 12.1 | 20.2 |
|---|---|---|---|---|---|---|
| 12 7 | 6 45.13 | +22 35.3 | 1.912 | 2.833 | 8.6 | 20.0 |
| 12 17 | 6 36.25 | +22 35.1 | 1.873 | 2.840 | 4.5 | 19.7 |
| 12 27 | 6 26.25 | +22 34.1 | 1.863 | 2.846 | 0.3 | 19.4 |
| 1 6 | 6 16.28 | +22 31.6 | 1.883 | 2.852 | 4.1 | 19.7 |
| 1 16 | 6 7.43 | +22 27.5 | 1.932 | 2.858 | 8.1 | 20.0 |
| 1 26 | 6 0.62 | +22 22.9 | 2.007 | 2.864 | 11.6 | 20.2 |
| 2 5 | 5 56.39 | +22 18.6 | 2.104 | 2.869 | 14.5 | 20.4 |

**221452** 2006 $BN_1$ 12 27.5 44.°98 0.°5/27.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.50 | +21 8.1 | 1.985 | 2.839 | 12.0 | 20.2 |
| 12 7 | 6 43.42 | +21 20.0 | 1.920 | 2.843 | 8.5 | 20.0 |
| 12 17 | 6 35.37 | +21 34.6 | 1.880 | 2.847 | 4.5 | 19.7 |
| 12 27 | 6 26.21 | +21 50.0 | 1.869 | 2.852 | 0.6 | 19.4 |
| 1 6 | 6 17.02 | +22 5.0 | 1.887 | 2.857 | 4.0 | 19.7 |
| 1 16 | 6 8.86 | +22 18.5 | 1.934 | 2.862 | 8.0 | 20.0 |
| 1 26 | 6 2.63 | +22 30.7 | 2.007 | 2.867 | 11.5 | 20.2 |
| 2 5 | 5 58.87 | +22 41.8 | 2.102 | 2.872 | 14.4 | 20.4 |

**52785** 1998 $QN_{38}$ 12 27.5 102.°14 1.°3/27.6 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.09 | +19 36.6 | 1.632 | 2.482 | 14.3 | 20.2 |
| 12 7 | 6 48.11 | +19 37.4 | 1.584 | 2.505 | 10.1 | 20.0 |
| 12 17 | 6 37.80 | +19 42.1 | 1.561 | 2.527 | 5.4 | 19.8 |
| 12 27 | 6 26.33 | +19 49.0 | 1.567 | 2.549 | 1.4 | 19.6 |
| 1 6 | 6 15.08 | +19 56.9 | 1.601 | 2.570 | 4.8 | 19.9 |
| 1 16 | 6 5.35 | +20 5.2 | 1.664 | 2.591 | 9.1 | 20.2 |
| 1 26 | 5 58.13 | +20 14.2 | 1.753 | 2.610 | 13.0 | 20.5 |
| 2 5 | 5 53.91 | +20 23.9 | 1.862 | 2.630 | 16.1 | 20.7 |

**479552** 2014 $BG_{61}$ 12 27.5 340.°81 3.°5/27.4 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.70 | +18 17.6 | 1.247 | 2.116 | 16.5 | 20.1 |
| 12 7 | 6 45.82 | +17 25.3 | 1.181 | 2.109 | 12.0 | 19.8 |
| 12 17 | 6 36.94 | +16 36.8 | 1.137 | 2.103 | 7.0 | 19.5 |
| 12 27 | 6 26.30 | +15 54.5 | 1.118 | 2.097 | 3.5 | 19.3 |
| 1 6 | 6 15.57 | +15 20.4 | 1.125 | 2.092 | 6.6 | 19.5 |
| 1 16 | 6 6.39 | +14 56.6 | 1.157 | 2.088 | 11.7 | 19.7 |
| 1 26 | 6 0.11 | +14 43.7 | 1.211 | 2.085 | 16.4 | 20.0 |
| 2 5 | 5 57.40 | +14 40.5 | 1.284 | 2.082 | 20.4 | 20.2 |

**397591** 2007 $VE_{45}$ 12 27.5 44.°57 3.°9/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.88 | +16 2.2 | 1.577 | 2.430 | 14.5 | 20.2 |
| 12 7 | 6 45.30 | +15 7.8 | 1.518 | 2.437 | 10.6 | 20.0 |
| 12 17 | 6 36.41 | +14 19.2 | 1.484 | 2.444 | 6.5 | 19.8 |
| 12 27 | 6 26.30 | +13 38.7 | 1.477 | 2.452 | 3.9 | 19.7 |
| 1 6 | 6 16.29 | +13 8.1 | 1.498 | 2.460 | 6.1 | 19.8 |
| 1 16 | 6 7.64 | +12 48.3 | 1.545 | 2.467 | 10.1 | 20.1 |
| 1 26 | 6 1.35 | +12 39.2 | 1.618 | 2.476 | 13.9 | 20.3 |
| 2 5 | 5 57.94 | +12 39.2 | 1.710 | 2.484 | 17.0 | 20.5 |

**393019** 2012 $XC_{152}$ 12 27.5 50.°76 2.°9/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.30 | +28 58.3 | 1.437 | 2.300 | 15.1 | 20.3 |
| 12 7 | 6 47.40 | +29 30.0 | 1.388 | 2.313 | 10.8 | 20.1 |
| 12 17 | 6 37.65 | +29 56.7 | 1.361 | 2.327 | 6.1 | 19.9 |
| 12 27 | 6 26.37 | +30 13.7 | 1.361 | 2.341 | 2.9 | 19.7 |
| 1 6 | 6 15.22 | +30 18.4 | 1.389 | 2.355 | 5.8 | 19.9 |
| 1 16 | 6 5.78 | +30 11.5 | 1.443 | 2.369 | 10.3 | 20.2 |
| 1 26 | 5 59.24 | +29 56.4 | 1.520 | 2.384 | 14.3 | 20.5 |
| 2 5 | 5 56.17 | +29 36.7 | 1.618 | 2.399 | 17.6 | 20.8 |

**298363** 2003 $QH_{89}$ 12 27.5 155.°47 0.°2/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.14 | +21 51.2 | 1.948 | 2.797 | 12.4 | 21.0 |
| 12 7 | 6 46.04 | +22 8.1 | 1.882 | 2.803 | 8.7 | 20.8 |
| 12 17 | 6 36.79 | +22 26.9 | 1.841 | 2.808 | 4.6 | 20.6 |
| 12 27 | 6 26.33 | +22 45.5 | 1.830 | 2.813 | 0.3 | 20.2 |
| 1 6 | 6 15.84 | +23 2.0 | 1.848 | 2.818 | 4.1 | 20.6 |
| 1 16 | 6 6.45 | +23 15.7 | 1.896 | 2.822 | 8.2 | 20.8 |
| 1 26 | 5 59.15 | +23 26.8 | 1.970 | 2.825 | 11.9 | 21.0 |
| 2 5 | 5 54.51 | +23 36.1 | 2.066 | 2.828 | 14.9 | 21.3 |

**230174** 2001 $RX_{67}$ 12 27.5 54.°02 2.°9/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.90 | +17 35.1 | 1.389 | 2.250 | 15.7 | 19.4 |
| 12 7 | 6 46.27 | +17 7.2 | 1.335 | 2.259 | 11.3 | 19.2 |
| 12 17 | 6 37.02 | +16 45.5 | 1.303 | 2.268 | 6.5 | 18.9 |
| 12 27 | 6 26.35 | +16 30.6 | 1.297 | 2.277 | 3.0 | 18.8 |
| 1 6 | 6 15.78 | +16 22.5 | 1.319 | 2.286 | 5.8 | 19.0 |
| 1 16 | 6 6.76 | +16 21.2 | 1.367 | 2.296 | 10.5 | 19.2 |
| 1 26 | 6 0.42 | +16 26.2 | 1.438 | 2.306 | 14.7 | 19.5 |
| 2 5 | 5 57.31 | +16 36.5 | 1.529 | 2.316 | 18.2 | 19.8 |

**434614** 2005 $UV_{416}$ 12 27.5 131.°46 0.°5/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.09 | +21 11.9 | 1.815 | 2.663 | 13.2 | 22.2 |
| 12 7 | 6 47.42 | +21 24.6 | 1.756 | 2.677 | 9.3 | 22.0 |
| 12 17 | 6 37.50 | +21 39.6 | 1.724 | 2.690 | 4.9 | 21.7 |
| 12 27 | 6 26.38 | +21 54.8 | 1.720 | 2.703 | 0.6 | 21.4 |
| 1 6 | 6 15.33 | +22 8.4 | 1.746 | 2.715 | 4.4 | 21.8 |
| 1 16 | 6 5.56 | +22 19.9 | 1.801 | 2.726 | 8.6 | 22.0 |
| 1 26 | 5 58.07 | +22 29.6 | 1.882 | 2.737 | 12.3 | 22.3 |
| 2 5 | 5 53.42 | +22 38.3 | 1.984 | 2.747 | 15.4 | 22.5 |

**466246** 2013 $CK_{174}$ 12 27.5 27.°01 22.°8/ 7.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.12 | −21 8.6 | 0.957 | 1.706 | 29.1 | 20.5 |
| 12 7 | 6 45.00 | −22 12.3 | 0.922 | 1.713 | 27.0 | 20.4 |
| 12 17 | 6 36.58 | −22 16.4 | 0.898 | 1.721 | 25.0 | 20.3 |
| 12 27 | 6 26.34 | −21 10.8 | 0.887 | 1.731 | 23.5 | 20.2 |
| 1 6 | 6 16.17 | −18 55.1 | 0.890 | 1.742 | 22.8 | 20.2 |
| 1 16 | 6 7.91 | −15 39.4 | 0.911 | 1.754 | 23.2 | 20.3 |
| 1 26 | 6 2.95 | −11 42.8 | 0.949 | 1.766 | 24.5 | 20.5 |
| 2 5 | 6 1.93 | − 7 27.7 | 1.003 | 1.780 | 26.3 | 20.7 |

**41385** 2000 $AQ_{138}$ 12 27.5 74.°51 7.°6/25.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 59.75 | +37 27.4 | 1.637 | 2.478 | 14.7 | 18.3 |
| 12 7 | 6 51.71 | +39 38.0 | 1.587 | 2.490 | 11.4 | 18.1 |
| 12 17 | 6 40.23 | +41 38.0 | 1.563 | 2.501 | 8.6 | 17.9 |
| 12 27 | 6 26.54 | +43 16.0 | 1.566 | 2.513 | 7.7 | 17.9 |
| 1 6 | 6 12.47 | +44 24.6 | 1.598 | 2.525 | 9.3 | 18.0 |
| 1 16 | 5 59.98 | +45 2.7 | 1.656 | 2.537 | 12.2 | 18.3 |
| 1 26 | 5 50.67 | +45 15.1 | 1.736 | 2.549 | 15.2 | 18.5 |
| 2 5 | 5 45.40 | +45 9.4 | 1.836 | 2.560 | 17.8 | 18.7 |

**305129** 2007 $VQ_{143}$ 12 27.5 36.°19 1.°4/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.19 | +19 38.7 | 1.362 | 2.229 | 15.5 | 20.8 |
| 12 7 | 6 45.11 | +19 44.2 | 1.315 | 2.243 | 11.0 | 20.5 |
| 12 17 | 6 36.42 | +19 55.0 | 1.290 | 2.258 | 5.9 | 20.3 |
| 12 27 | 6 26.35 | +20 9.5 | 1.291 | 2.274 | 1.4 | 20.0 |
| 1 6 | 6 16.43 | +20 25.5 | 1.319 | 2.290 | 5.2 | 20.3 |
| 1 16 | 6 8.07 | +20 41.9 | 1.373 | 2.307 | 10.0 | 20.7 |
| 1 26 | 6 2.39 | +20 58.4 | 1.451 | 2.324 | 14.2 | 20.9 |
| 2 5 | 5 59.92 | +21 14.7 | 1.548 | 2.342 | 17.7 | 21.2 |

**359429** 2010 $LA_{88}$ 12 27.5 197.°62 4.°4/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.55 | +37 29.6 | 2.402 | 3.228 | 11.1 | 21.6 |
| 12 7 | 6 48.36 | +37 46.7 | 2.326 | 3.225 | 8.4 | 21.5 |
| 12 17 | 6 38.00 | +37 53.3 | 2.276 | 3.221 | 5.8 | 21.3 |
| 12 27 | 6 26.44 | +37 45.7 | 2.255 | 3.217 | 4.4 | 21.2 |
| 1 6 | 6 14.86 | +37 22.6 | 2.265 | 3.212 | 5.6 | 21.3 |
| 1 16 | 6 4.45 | +36 45.5 | 2.304 | 3.206 | 8.3 | 21.4 |
| 1 26 | 5 56.17 | +35 58.2 | 2.371 | 3.200 | 11.1 | 21.6 |
| 2 5 | 5 50.59 | +35 5.4 | 2.460 | 3.193 | 13.5 | 21.8 |

**161659** 2006 $CB_{23}$ 12 27.5 40.°82 6.°1/26.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.76 | +33 52.2 | 1.282 | 2.146 | 16.5 | 18.7 |
| 12 7 | 6 48.85 | +35 10.7 | 1.243 | 2.164 | 12.2 | 18.5 |
| 12 17 | 6 38.57 | +36 18.6 | 1.226 | 2.183 | 8.1 | 18.3 |
| 12 27 | 6 26.46 | +37 7.1 | 1.235 | 2.203 | 6.1 | 18.2 |
| 1 6 | 6 14.52 | +37 31.5 | 1.270 | 2.223 | 8.2 | 18.4 |
| 1 16 | 6 4.62 | +37 33.0 | 1.329 | 2.244 | 12.0 | 18.7 |
| 1 26 | 5 58.14 | +37 16.9 | 1.411 | 2.265 | 15.7 | 19.0 |
| 2 5 | 5 55.64 | +36 50.0 | 1.511 | 2.287 | 18.8 | 19.3 |

**233763** 2008 $TK_{74}$ 12 27.5 145.°69 0.°3/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.10 | +23 57.4 | 2.475 | 3.322 | 10.1 | 20.9 |
| 12 7 | 6 42.89 | +24 2.7 | 2.405 | 3.326 | 7.1 | 20.7 |
| 12 17 | 6 35.04 | +24 7.7 | 2.362 | 3.329 | 3.8 | 20.5 |
| 12 27 | 6 26.29 | +24 11.0 | 2.349 | 3.332 | 0.3 | 20.2 |
| 1 6 | 6 17.53 | +24 11.7 | 2.366 | 3.335 | 3.4 | 20.5 |
| 1 16 | 6 9.61 | +24 9.9 | 2.413 | 3.338 | 6.8 | 20.7 |
| 1 26 | 6 3.29 | +24 6.2 | 2.488 | 3.341 | 9.8 | 20.9 |
| 2 5 | 5 59.06 | +24 1.6 | 2.586 | 3.343 | 12.3 | 21.1 |

**488238** 2016 $AB_{107}$ 12 27.5 114.°83 1.°8/27.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.26 | +16 0.4 | 2.451 | 3.291 | 10.5 | 21.1 |
| 12 7 | 6 42.26 | +16 17.9 | 2.385 | 3.298 | 7.5 | 20.9 |
| 12 17 | 6 34.70 | +16 41.3 | 2.345 | 3.306 | 4.3 | 20.7 |
| 12 27 | 6 26.28 | +17 9.5 | 2.334 | 3.314 | 1.8 | 20.6 |
| 1 6 | 6 17.82 | +17 40.9 | 2.355 | 3.321 | 3.7 | 20.7 |
| 1 16 | 6 10.14 | +18 14.0 | 2.405 | 3.328 | 6.9 | 20.9 |
| 1 26 | 6 3.98 | +18 47.6 | 2.483 | 3.336 | 9.8 | 21.1 |
| 2 5 | 5 59.80 | +19 20.9 | 2.584 | 3.342 | 12.3 | 21.3 |

**119247** 2001 $QX_{296}$ 12 27.5 83.°01 3.°5/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.38 | +15 9.6 | 1.507 | 2.359 | 15.2 | 19.0 |
| 12 7 | 6 46.41 | +14 51.7 | 1.456 | 2.374 | 11.0 | 18.8 |
| 12 17 | 6 37.04 | +14 42.7 | 1.428 | 2.389 | 6.6 | 18.6 |
| 12 27 | 6 26.40 | +14 42.6 | 1.427 | 2.404 | 3.5 | 18.4 |
| 1 6 | 6 15.90 | +14 50.9 | 1.454 | 2.419 | 5.8 | 18.6 |
| 1 16 | 6 6.86 | +15 6.2 | 1.508 | 2.433 | 10.0 | 18.9 |
| 1 26 | 6 0.31 | +15 27.2 | 1.586 | 2.448 | 13.9 | 19.1 |
| 2 5 | 5 56.78 | +15 52.0 | 1.685 | 2.462 | 17.1 | 19.4 |

**435511** 2008 $HP_{41}$ 12 27.5 140.°22 2.°2/27.3 15

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.14 | +28 9.9 | 1.907 | 2.752 | 12.8 | 22.6 |
| 12 7 | 6 48.92 | +28 41.9 | 1.848 | 2.766 | 9.1 | 22.4 |
| 12 17 | 6 38.34 | +29 10.2 | 1.815 | 2.779 | 5.1 | 22.1 |
| 12 27 | 6 26.47 | +29 30.6 | 1.811 | 2.791 | 2.2 | 22.0 |
| 1 6 | 6 14.65 | +29 41.1 | 1.838 | 2.802 | 4.8 | 22.2 |
| 1 16 | 6 4.16 | +29 41.7 | 1.893 | 2.813 | 8.7 | 22.4 |
| 1 26 | 5 56.07 | +29 34.7 | 1.975 | 2.822 | 12.2 | 22.7 |
| 2 5 | 5 50.93 | +29 23.1 | 2.079 | 2.831 | 15.1 | 22.9 |

**337482** 2001 $ST_{76}$ 12 27.5 116.°59 1.°0/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.03 | +25 23.9 | 1.700 | 2.553 | 13.7 | 21.7 |
| 12 7 | 6 48.22 | +25 35.9 | 1.645 | 2.567 | 9.7 | 21.5 |
| 12 17 | 6 37.98 | +25 46.1 | 1.615 | 2.582 | 5.1 | 21.2 |
| 12 27 | 6 26.46 | +25 51.6 | 1.613 | 2.596 | 1.0 | 21.0 |
| 1 6 | 6 15.06 | +25 51.0 | 1.640 | 2.609 | 4.7 | 21.3 |
| 1 16 | 6 5.13 | +25 44.8 | 1.696 | 2.622 | 9.0 | 21.5 |
| 1 26 | 5 57.72 | +25 35.0 | 1.777 | 2.635 | 12.9 | 21.8 |
| 2 5 | 5 53.37 | +25 23.7 | 1.880 | 2.647 | 16.0 | 22.1 |

**354665** 2005 $LQ_{47}$ 12 27.5 271.°81 3.°2/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.33 | +13 8.9 | 1.835 | 2.678 | 13.3 | 20.9 |
| 12 7 | 6 44.26 | +13 24.7 | 1.757 | 2.670 | 9.8 | 20.7 |
| 12 17 | 6 35.99 | +13 51.6 | 1.703 | 2.662 | 6.0 | 20.5 |
| 12 27 | 6 26.37 | +14 28.7 | 1.677 | 2.653 | 3.3 | 20.3 |
| 1 6 | 6 16.52 | +15 13.9 | 1.680 | 2.645 | 5.2 | 20.4 |
| 1 16 | 6 7.61 | +16 4.5 | 1.712 | 2.637 | 9.1 | 20.6 |
| 1 26 | 6 0.67 | +16 57.7 | 1.769 | 2.628 | 12.8 | 20.8 |
| 2 5 | 5 56.38 | +17 51.3 | 1.848 | 2.620 | 16.0 | 21.0 |

**114792** 2003 $MT_{12}$ 12 27.5 183.°31 6.°8/26.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 0.19 | +14 49.5 | 1.201 | 2.055 | 18.1 | 19.5 |
| 12 7 | 6 51.74 | +12 47.4 | 1.139 | 2.055 | 13.6 | 19.2 |
| 12 17 | 6 40.06 | +10 49.2 | 1.101 | 2.056 | 9.0 | 19.0 |
| 12 27 | 6 26.58 | + 9 2.7 | 1.088 | 2.055 | 6.8 | 18.9 |
| 1 6 | 6 13.20 | + 7 35.4 | 1.103 | 2.055 | 9.4 | 19.0 |
| 1 16 | 6 1.71 | + 6 32.3 | 1.143 | 2.054 | 13.9 | 19.2 |
| 1 26 | 5 53.48 | + 5 54.2 | 1.205 | 2.053 | 18.3 | 19.5 |
| 2 5 | 5 49.12 | + 5 37.8 | 1.285 | 2.051 | 22.0 | 19.8 |

**461997** 2006 $WS_{130}$ 12 27.5 73.°11 3.°1/26.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 3.10 | +19 45.2 | 1.025 | 1.890 | 19.6 | 19.5 |
| 12 7 | 6 54.91 | +22 50.0 | 0.973 | 1.902 | 13.9 | 19.2 |
| 12 17 | 6 42.30 | +26 11.8 | 0.945 | 1.914 | 7.4 | 18.9 |
| 12 27 | 6 26.71 | +29 31.1 | 0.945 | 1.926 | 3.2 | 18.7 |
| 1 6 | 6 10.55 | +32 27.6 | 0.974 | 1.938 | 8.1 | 19.0 |
| 1 16 | 5 56.42 | +34 49.1 | 1.029 | 1.950 | 14.0 | 19.4 |
| 1 26 | 5 46.46 | +36 35.1 | 1.107 | 1.962 | 19.1 | 19.8 |
| 2 5 | 5 41.63 | +37 51.7 | 1.202 | 1.974 | 23.0 | 20.1 |

**174956** 2004 $CQ_{126}$ 12 27.5 60.°77 2.°3/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.11 | +17 31.6 | 1.687 | 2.540 | 13.7 | 20.3 |
| 12 7 | 6 44.73 | +17 22.0 | 1.629 | 2.550 | 9.8 | 20.1 |
| 12 17 | 6 36.16 | +17 18.2 | 1.596 | 2.560 | 5.6 | 19.9 |
| 12 27 | 6 26.39 | +17 19.9 | 1.590 | 2.570 | 2.3 | 19.7 |
| 1 6 | 6 16.68 | +17 26.2 | 1.612 | 2.580 | 4.9 | 19.9 |
| 1 16 | 6 8.21 | +17 36.4 | 1.663 | 2.590 | 9.1 | 20.2 |
| 1 26 | 6 1.97 | +17 49.9 | 1.738 | 2.601 | 12.8 | 20.4 |
| 2 5 | 5 58.50 | +18 5.8 | 1.834 | 2.611 | 16.0 | 20.7 |

**193141** 2000 $HT_{68}$ 12 27.5 267.°68 0.°4/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.89 | +23 48.6 | 2.400 | 3.248 | 10.4 | 20.4 |
| 12 7 | 6 42.92 | +24 2.8 | 2.317 | 3.238 | 7.3 | 20.2 |
| 12 17 | 6 35.16 | +24 17.4 | 2.260 | 3.227 | 3.9 | 20.0 |
| 12 27 | 6 26.35 | +24 30.7 | 2.233 | 3.216 | 0.4 | 19.7 |
| 1 6 | 6 17.38 | +24 41.1 | 2.236 | 3.205 | 3.6 | 19.9 |
| 1 16 | 6 9.18 | +24 48.3 | 2.269 | 3.194 | 7.1 | 20.1 |
| 1 26 | 6 2.60 | +24 52.7 | 2.328 | 3.182 | 10.3 | 20.3 |
| 2 5 | 5 58.19 | +24 55.0 | 2.411 | 3.171 | 13.0 | 20.5 |

**419968** 2011 $BN_{161}$ 12 27.5 326.°00 1.°0/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.69 | +21 29.1 | 1.936 | 2.790 | 12.2 | 20.6 |
| 12 7 | 6 43.68 | +21 6.8 | 1.860 | 2.783 | 8.7 | 20.4 |
| 12 17 | 6 35.61 | +20 45.2 | 1.810 | 2.776 | 4.7 | 20.1 |
| 12 27 | 6 26.37 | +20 24.3 | 1.788 | 2.770 | 1.1 | 19.8 |
| 1 6 | 6 17.05 | +20 4.1 | 1.795 | 2.764 | 4.3 | 20.1 |
| 1 16 | 6 8.76 | +19 45.6 | 1.830 | 2.758 | 8.3 | 20.3 |
| 1 26 | 6 2.44 | +19 29.7 | 1.892 | 2.753 | 12.0 | 20.5 |
| 2 5 | 5 58.67 | +19 17.1 | 1.975 | 2.748 | 15.1 | 20.7 |

**437345** 2013 $TO_{24}$ 12 27.5 320.°07 4.°2/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.42 | +15 57.3 | 1.240 | 2.105 | 16.9 | 21.0 |
| 12 7 | 6 46.42 | +15 15.6 | 1.173 | 2.098 | 12.4 | 20.7 |
| 12 17 | 6 37.37 | +14 41.7 | 1.127 | 2.090 | 7.6 | 20.4 |
| 12 27 | 6 26.47 | +14 17.5 | 1.106 | 2.083 | 4.3 | 20.2 |
| 1 6 | 6 15.38 | +14 4.3 | 1.111 | 2.076 | 7.0 | 20.3 |
| 1 16 | 6 5.79 | +14 2.4 | 1.140 | 2.070 | 12.0 | 20.6 |
| 1 26 | 5 59.11 | +14 11.0 | 1.192 | 2.064 | 16.8 | 20.8 |
| 2 5 | 5 56.06 | +14 28.0 | 1.261 | 2.058 | 20.8 | 21.1 |

**326586** 2002 $QA_{104}$ 12 27.5 97.°85 4.°2/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.02 | + 8 55.6 | 2.493 | 3.314 | 10.9 | 21.5 |
| 12 7 | 6 41.96 | + 8 40.7 | 2.438 | 3.333 | 8.3 | 21.3 |
| 12 17 | 6 34.50 | + 8 35.5 | 2.408 | 3.351 | 5.7 | 21.2 |
| 12 27 | 6 26.32 | + 8 40.7 | 2.408 | 3.369 | 4.2 | 21.1 |
| 1 6 | 6 18.21 | + 8 55.7 | 2.437 | 3.386 | 5.2 | 21.2 |
| 1 16 | 6 10.91 | + 9 19.5 | 2.496 | 3.403 | 7.5 | 21.4 |
| 1 26 | 6 5.06 | + 9 50.0 | 2.582 | 3.420 | 10.0 | 21.6 |
| 2 5 | 6 1.09 | +10 25.2 | 2.691 | 3.437 | 12.2 | 21.8 |

**263491** 2008 $EY_{93}$ 12 27.5 287.°82 3.°3/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.66 | +30 8.9 | 1.866 | 2.718 | 12.7 | 20.5 |
| 12 7 | 6 46.24 | +30 56.9 | 1.781 | 2.701 | 9.2 | 20.2 |
| 12 17 | 6 37.20 | +31 41.9 | 1.722 | 2.684 | 5.6 | 20.0 |
| 12 27 | 6 26.48 | +32 18.6 | 1.691 | 2.667 | 3.3 | 19.8 |
| 1 6 | 6 15.37 | +32 43.4 | 1.689 | 2.650 | 5.7 | 19.9 |
| 1 16 | 6 5.29 | +32 54.9 | 1.715 | 2.633 | 9.5 | 20.1 |
| 1 26 | 5 57.50 | +32 54.9 | 1.765 | 2.616 | 13.3 | 20.3 |
| 2 5 | 5 52.78 | +32 46.7 | 1.837 | 2.599 | 16.5 | 20.5 |

**486662** 2013 $QC_{61}$ 12 27.5 127.°75 4.°1/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.72 | + 8 59.2 | 2.540 | 3.361 | 10.7 | 21.6 |
| 12 7 | 6 41.80 | + 8 50.9 | 2.475 | 3.371 | 8.2 | 21.5 |
| 12 17 | 6 34.45 | + 8 52.3 | 2.437 | 3.380 | 5.6 | 21.3 |
| 12 27 | 6 26.33 | + 9 3.9 | 2.427 | 3.389 | 4.1 | 21.2 |
| 1 6 | 6 18.21 | + 9 25.0 | 2.448 | 3.398 | 5.0 | 21.3 |
| 1 16 | 6 10.84 | + 9 54.4 | 2.498 | 3.406 | 7.4 | 21.5 |
| 1 26 | 6 4.88 | +10 30.0 | 2.575 | 3.415 | 9.9 | 21.7 |
| 2 5 | 6 0.77 | +11 9.9 | 2.675 | 3.422 | 12.2 | 21.8 |

**27188** 1999 $CL_{46}$ 12 27.5 92.°36 3.°5/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.24 | +32 34.4 | 1.889 | 2.737 | 12.7 | 17.8 |
| 12 7 | 6 47.00 | +32 54.6 | 1.828 | 2.744 | 9.3 | 17.6 |
| 12 17 | 6 37.38 | +33 6.9 | 1.792 | 2.751 | 5.7 | 17.4 |
| 12 27 | 6 26.49 | +33 7.8 | 1.785 | 2.759 | 3.5 | 17.3 |
| 1 6 | 6 15.65 | +32 55.7 | 1.806 | 2.766 | 5.4 | 17.4 |
| 1 16 | 6 6.17 | +32 31.9 | 1.855 | 2.773 | 8.9 | 17.7 |
| 1 26 | 5 59.09 | +32 0.0 | 1.930 | 2.780 | 12.3 | 17.9 |
| 2 5 | 5 54.96 | +31 24.0 | 2.027 | 2.787 | 15.2 | 18.1 |

**413292** 2003 $UT_{170}$ 12 27.5 59.°26 7.°3/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.90 | + 3 46.5 | 2.021 | 2.833 | 13.4 | 20.7 |
| 12 7 | 6 42.77 | + 2 43.9 | 1.974 | 2.853 | 10.8 | 20.5 |
| 12 17 | 6 34.98 | + 1 56.5 | 1.952 | 2.873 | 8.4 | 20.4 |
| 12 27 | 6 26.38 | + 1 27.5 | 1.957 | 2.893 | 7.3 | 20.4 |
| 1 6 | 6 17.90 | + 1 17.7 | 1.989 | 2.913 | 8.0 | 20.5 |
| 1 16 | 6 10.45 | + 1 26.1 | 2.048 | 2.933 | 10.1 | 20.6 |
| 1 26 | 6 4.76 | + 1 49.9 | 2.132 | 2.953 | 12.4 | 20.8 |
| 2 5 | 6 1.26 | + 2 24.9 | 2.236 | 2.974 | 14.6 | 21.0 |

**483168** 2015 $PS_{39}$ 12 27.5 282.°65 2.°9/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.14 | +29 5.9 | 1.605 | 2.463 | 14.1 | 21.3 |
| 12 7 | 6 47.40 | +29 39.0 | 1.534 | 2.457 | 10.2 | 21.0 |
| 12 17 | 6 37.83 | +30 8.3 | 1.487 | 2.451 | 5.9 | 20.8 |
| 12 27 | 6 26.53 | +30 28.8 | 1.466 | 2.445 | 2.9 | 20.6 |
| 1 6 | 6 15.04 | +30 37.5 | 1.474 | 2.439 | 5.7 | 20.7 |
| 1 16 | 6 4.90 | +30 34.3 | 1.509 | 2.434 | 10.1 | 21.0 |
| 1 26 | 5 57.42 | +30 21.8 | 1.569 | 2.428 | 14.2 | 21.2 |
| 2 5 | 5 53.33 | +30 3.8 | 1.648 | 2.422 | 17.6 | 21.4 |

**362204** 2009 $HN_{31}$ 12 27.5 74.°68 1.°7/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.94 | +17 24.4 | 1.788 | 2.639 | 13.2 | 20.7 |
| 12 7 | 6 44.64 | +17 40.9 | 1.724 | 2.644 | 9.4 | 20.5 |
| 12 17 | 6 36.16 | +18 4.3 | 1.685 | 2.650 | 5.3 | 20.3 |
| 12 27 | 6 26.45 | +18 32.7 | 1.674 | 2.655 | 1.8 | 20.1 |
| 1 6 | 6 16.67 | +19 4.0 | 1.692 | 2.661 | 4.6 | 20.3 |
| 1 16 | 6 8.01 | +19 36.3 | 1.738 | 2.666 | 8.7 | 20.5 |
| 1 26 | 6 1.46 | +20 8.4 | 1.810 | 2.672 | 12.4 | 20.8 |
| 2 5 | 5 57.61 | +20 39.6 | 1.903 | 2.677 | 15.6 | 21.0 |

**435527** 2008 $KU_{17}$ 12 27.5 182.°14 1.°4/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.45 | +18 57.0 | 1.946 | 2.789 | 12.6 | 22.7 |
| 12 7 | 6 47.02 | +19 1.8 | 1.873 | 2.790 | 9.0 | 22.5 |
| 12 17 | 6 37.40 | +19 10.7 | 1.827 | 2.791 | 5.0 | 22.3 |
| 12 27 | 6 26.52 | +19 22.3 | 1.809 | 2.791 | 1.4 | 22.0 |
| 1 6 | 6 15.55 | +19 35.4 | 1.822 | 2.790 | 4.4 | 22.2 |
| 1 16 | 6 5.65 | +19 48.9 | 1.864 | 2.788 | 8.5 | 22.5 |
| 1 26 | 5 57.83 | +20 2.9 | 1.933 | 2.786 | 12.2 | 22.7 |
| 2 5 | 5 52.69 | +20 17.4 | 2.023 | 2.782 | 15.2 | 22.9 |

**515327** 2012 $YF_5$ 12 27.5 42.°43 4.°9/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.04 | +12 0.9 | 1.210 | 2.070 | 17.6 | 19.5 |
| 12 7 | 6 45.72 | +11 56.8 | 1.175 | 2.094 | 12.9 | 19.3 |
| 12 17 | 6 36.75 | +12 8.4 | 1.161 | 2.120 | 8.1 | 19.1 |
| 12 27 | 6 26.49 | +12 34.9 | 1.172 | 2.146 | 4.9 | 19.0 |
| 1 6 | 6 16.54 | +13 13.6 | 1.209 | 2.173 | 6.9 | 19.2 |
| 1 16 | 6 8.34 | +14 0.6 | 1.271 | 2.200 | 11.1 | 19.5 |
| 1 26 | 6 2.96 | +14 51.9 | 1.356 | 2.228 | 15.1 | 19.8 |
| 2 5 | 6 0.86 | +15 44.1 | 1.460 | 2.256 | 18.4 | 20.1 |

**302602** 2002 $QG_{82}$ 12 27.5 51.°06 7.°7/29.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.32 | + 4 5.4 | 1.510 | 2.338 | 16.4 | 20.8 |
| 12 7 | 6 44.20 | + 3 45.3 | 1.466 | 2.357 | 13.0 | 20.7 |
| 12 17 | 6 35.89 | + 3 46.1 | 1.444 | 2.377 | 9.7 | 20.5 |
| 12 27 | 6 26.45 | + 4 9.3 | 1.446 | 2.397 | 7.7 | 20.5 |
| 1 6 | 6 17.15 | + 4 53.3 | 1.475 | 2.417 | 8.6 | 20.5 |
| 1 16 | 6 9.19 | + 5 54.0 | 1.530 | 2.438 | 11.3 | 20.8 |
| 1 26 | 6 3.52 | + 7 5.8 | 1.608 | 2.459 | 14.3 | 21.0 |
| 2 5 | 6 0.63 | + 8 23.0 | 1.707 | 2.480 | 17.1 | 21.2 |

**201436** 2003 $DX_1$ 12 27.5 236.°34 1.°3/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.47 | +25 31.6 | 1.778 | 2.631 | 13.2 | 21.1 |
| 12 7 | 6 47.42 | +25 54.9 | 1.699 | 2.621 | 9.4 | 20.9 |
| 12 17 | 6 37.79 | +26 17.6 | 1.645 | 2.611 | 5.1 | 20.6 |
| 12 27 | 6 26.56 | +26 36.2 | 1.618 | 2.601 | 1.3 | 20.3 |
| 1 6 | 6 15.07 | +26 48.2 | 1.622 | 2.590 | 4.8 | 20.5 |
| 1 16 | 6 4.72 | +26 52.9 | 1.653 | 2.579 | 9.3 | 20.8 |
| 1 26 | 5 56.72 | +26 51.9 | 1.710 | 2.567 | 13.3 | 21.0 |
| 2 5 | 5 51.80 | +26 47.4 | 1.788 | 2.555 | 16.7 | 21.2 |

**304965** 2007 $TL_{125}$ 12 27.5 91.°32 1.°8/27.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.31 | +18 5.3 | 1.746 | 2.597 | 13.5 | 21.0 |
| 12 7 | 6 45.54 | +18 6.3 | 1.690 | 2.610 | 9.6 | 20.8 |
| 12 17 | 6 36.60 | +18 12.7 | 1.658 | 2.623 | 5.3 | 20.5 |
| 12 27 | 6 26.49 | +18 23.4 | 1.654 | 2.635 | 1.9 | 20.3 |
| 1 6 | 6 16.45 | +18 37.1 | 1.680 | 2.648 | 4.6 | 20.5 |
| 1 16 | 6 7.65 | +18 52.7 | 1.733 | 2.660 | 8.8 | 20.8 |
| 1 26 | 6 1.05 | +19 9.8 | 1.812 | 2.672 | 12.5 | 21.1 |
| 2 5 | 5 57.20 | +19 27.8 | 1.912 | 2.684 | 15.6 | 21.3 |

**377986** 2006 $QX_{131}$ 12 27.5 67.°34 0.°7/27.6 18

| 11 27 | 6 55.61 | +20 26.2 | 1.244 | 2.110 | 16.8 | 21.1 |
|---|---|---|---|---|---|---|
| 12 7 | 6 48.44 | +20 47.3 | 1.199 | 2.127 | 11.9 | 20.9 |
| 12 17 | 6 38.30 | +21 13.4 | 1.177 | 2.145 | 6.3 | 20.6 |
| 12 27 | 6 26.58 | +21 41.2 | 1.180 | 2.163 | 0.8 | 20.3 |
| 1 6 | 6 15.06 | +22 7.5 | 1.210 | 2.181 | 5.4 | 20.7 |
| 1 16 | 6 5.39 | +22 30.7 | 1.267 | 2.200 | 10.7 | 21.0 |
| 1 26 | 5 58.80 | +22 50.9 | 1.346 | 2.218 | 15.2 | 21.3 |
| 2 5 | 5 55.82 | +23 8.7 | 1.445 | 2.236 | 18.8 | 21.6 |

**226270** 2003 $AW_{63}$ 12 27.5 324.°28 1.°3/27.7 18

| 11 27 | 6 51.91 | +18 56.5 | 1.354 | 2.219 | 15.7 | 20.1 |
|---|---|---|---|---|---|---|
| 12 7 | 6 46.04 | +19 18.4 | 1.284 | 2.212 | 11.3 | 19.9 |
| 12 17 | 6 37.21 | +19 48.3 | 1.237 | 2.205 | 6.2 | 19.6 |
| 12 27 | 6 26.54 | +20 23.4 | 1.216 | 2.199 | 1.3 | 19.2 |
| 1 6 | 6 15.59 | +21 0.5 | 1.221 | 2.192 | 5.4 | 19.5 |
| 1 16 | 6 6.00 | +21 36.9 | 1.253 | 2.187 | 10.7 | 19.8 |
| 1 26 | 5 59.15 | +22 11.2 | 1.308 | 2.181 | 15.4 | 20.0 |
| 2 5 | 5 55.82 | +22 42.9 | 1.382 | 2.177 | 19.4 | 20.3 |

**442419** 2011 $US_{117}$ 12 27.5 49.°11 8.°2/28.0 17

| 11 27 | 6 50.46 | + 5 19.9 | 1.544 | 2.375 | 16.0 | 21.3 |
|---|---|---|---|---|---|---|
| 12 7 | 6 44.30 | + 4 12.3 | 1.495 | 2.387 | 12.7 | 21.1 |
| 12 17 | 6 35.95 | + 3 22.3 | 1.469 | 2.400 | 9.7 | 21.0 |
| 12 27 | 6 26.47 | + 2 54.0 | 1.468 | 2.414 | 8.2 | 20.9 |
| 1 6 | 6 17.10 | + 2 48.6 | 1.493 | 2.428 | 9.2 | 21.0 |
| 1 16 | 6 9.02 | + 3 4.7 | 1.543 | 2.442 | 11.8 | 21.2 |
| 1 26 | 6 3.20 | + 3 38.4 | 1.616 | 2.456 | 14.8 | 21.4 |
| 2 5 | 6 0.15 | + 4 24.4 | 1.709 | 2.470 | 17.5 | 21.6 |

**484493** 2008 $DB_{22}$ 12 27.5 332.°85 4.°2/28.3 17

| 11 27 | 6 48.20 | +12 7.4 | 1.459 | 2.315 | 15.4 | 21.2 |
|---|---|---|---|---|---|---|
| 12 7 | 6 43.25 | +12 20.7 | 1.382 | 2.300 | 11.5 | 20.9 |
| 12 17 | 6 35.69 | +12 49.1 | 1.327 | 2.286 | 7.3 | 20.6 |
| 12 27 | 6 26.47 | +13 32.5 | 1.297 | 2.272 | 4.2 | 20.4 |
| 1 6 | 6 16.89 | +14 28.3 | 1.294 | 2.260 | 6.2 | 20.5 |
| 1 16 | 6 8.39 | +15 32.5 | 1.318 | 2.248 | 10.6 | 20.7 |
| 1 26 | 6 2.24 | +16 41.0 | 1.365 | 2.238 | 15.0 | 21.0 |
| 2 5 | 5 59.22 | +17 49.8 | 1.432 | 2.228 | 18.7 | 21.2 |

**51604** 2001 $HY_{28}$ 12 27.5 93.°27 3.°1/27.7 18

| 11 27 | 6 52.80 | +15 27.8 | 1.954 | 2.795 | 12.7 | 18.3 |
|---|---|---|---|---|---|---|
| 12 7 | 6 45.55 | +14 59.3 | 1.905 | 2.818 | 9.2 | 18.2 |
| 12 17 | 6 36.47 | +14 37.0 | 1.882 | 2.840 | 5.5 | 18.0 |
| 12 27 | 6 26.50 | +14 21.5 | 1.887 | 2.863 | 3.1 | 17.9 |
| 1 6 | 6 16.72 | +14 12.9 | 1.922 | 2.885 | 4.9 | 18.0 |
| 1 16 | 6 8.14 | +14 11.1 | 1.987 | 2.906 | 8.4 | 18.3 |
| 1 26 | 6 1.56 | +14 15.5 | 2.077 | 2.927 | 11.6 | 18.5 |
| 2 5 | 5 57.42 | +14 24.9 | 2.189 | 2.947 | 14.3 | 18.8 |

**274534** 2008 $SN_{229}$ 12 27.5 14.°85 6.°8/27.1 18

| 11 27 | 6 55.15 | +43 8.6 | 2.160 | 2.981 | 12.4 | 20.5 |
|---|---|---|---|---|---|---|
| 12 7 | 6 47.77 | +43 47.5 | 2.096 | 2.981 | 9.9 | 20.3 |
| 12 17 | 6 37.87 | +44 11.7 | 2.057 | 2.982 | 7.7 | 20.2 |
| 12 27 | 6 26.58 | +44 16.3 | 2.044 | 2.984 | 6.8 | 20.1 |
| 1 6 | 6 15.29 | +43 59.2 | 2.060 | 2.985 | 7.7 | 20.2 |
| 1 16 | 6 5.39 | +43 22.1 | 2.102 | 2.986 | 9.9 | 20.3 |
| 1 26 | 5 57.98 | +42 29.8 | 2.169 | 2.988 | 12.3 | 20.5 |
| 2 5 | 5 53.64 | +41 28.3 | 2.258 | 2.990 | 14.6 | 20.7 |

**315800** 2008 $GS_{15}$ 12 27.5 322.°40 2.°0/27.3 17

| 11 27 | 6 51.74 | +27 37.1 | 1.857 | 2.712 | 12.6 | 21.3 |
|---|---|---|---|---|---|---|
| 12 7 | 6 45.36 | +28 3.9 | 1.786 | 2.709 | 9.0 | 21.0 |
| 12 17 | 6 36.63 | +28 28.3 | 1.740 | 2.706 | 5.0 | 20.8 |
| 12 27 | 6 26.52 | +28 46.7 | 1.723 | 2.703 | 2.0 | 20.6 |
| 1 6 | 6 16.28 | +28 56.8 | 1.734 | 2.701 | 4.8 | 20.8 |
| 1 16 | 6 7.18 | +28 58.5 | 1.773 | 2.698 | 8.8 | 21.0 |
| 1 26 | 6 0.31 | +28 53.2 | 1.838 | 2.696 | 12.5 | 21.2 |
| 2 5 | 5 56.29 | +28 43.5 | 1.924 | 2.694 | 15.6 | 21.4 |

**217397** 2005 $GK_{19}$ 12 27.5 129.°75 3.°2/27.9 18

| 11 27 | 6 55.35 | +15 7.6 | 1.719 | 2.561 | 14.1 | 20.5 |
|---|---|---|---|---|---|---|
| 12 7 | 6 47.64 | +14 52.8 | 1.663 | 2.576 | 10.2 | 20.3 |
| 12 17 | 6 37.69 | +14 45.6 | 1.632 | 2.591 | 6.1 | 20.1 |
| 12 27 | 6 26.57 | +14 46.0 | 1.628 | 2.605 | 3.2 | 20.0 |
| 1 6 | 6 15.56 | +14 53.4 | 1.654 | 2.618 | 5.4 | 20.1 |
| 1 16 | 6 5.86 | +15 6.8 | 1.709 | 2.630 | 9.3 | 20.4 |
| 1 26 | 5 58.48 | +15 25.2 | 1.789 | 2.642 | 13.0 | 20.6 |
| 2 5 | 5 53.94 | +15 47.1 | 1.891 | 2.653 | 16.0 | 20.9 |

**367341** 2008 $DJ_6$ 12 27.5 33.°93 19.°7/ 9.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.48 | −21 16.1 | 0.973 | 1.716 | 29.1 | 19.5 |
| 12 7 | 6 46.36 | −21 3.1 | 0.945 | 1.739 | 26.3 | 19.4 |
| 12 17 | 6 37.18 | −19 48.2 | 0.929 | 1.765 | 23.4 | 19.3 |
| 12 27 | 6 26.54 | −17 26.7 | 0.928 | 1.792 | 21.0 | 19.2 |
| 1 6 | 6 16.34 | −14 5.4 | 0.946 | 1.820 | 19.7 | 19.3 |
| 1 16 | 6 8.24 | −10 1.1 | 0.984 | 1.849 | 20.0 | 19.4 |
| 1 26 | 6 3.44 | − 5 36.8 | 1.044 | 1.880 | 21.4 | 19.6 |
| 2 5 | 6 2.35 | − 1 14.3 | 1.125 | 1.911 | 23.4 | 19.9 |

**395426** 2011 $SL_{195}$ 12 27.5 324.°51 8.°8/28.5 18

| 11 27 | 6 49.42 | + 2 20.7 | 1.633 | 2.451 | 15.8 | 20.8 |
|---|---|---|---|---|---|---|
| 12 7 | 6 43.70 | + 1 33.7 | 1.566 | 2.448 | 12.9 | 20.6 |
| 12 17 | 6 35.75 | + 1 6.4 | 1.522 | 2.444 | 10.2 | 20.4 |
| 12 27 | 6 26.48 | + 1 2.6 | 1.502 | 2.441 | 8.8 | 20.3 |
| 1 6 | 6 17.09 | + 1 23.2 | 1.508 | 2.437 | 9.6 | 20.4 |
| 1 16 | 6 8.76 | + 2 6.2 | 1.539 | 2.434 | 12.1 | 20.5 |
| 1 26 | 6 2.54 | + 3 7.0 | 1.594 | 2.431 | 15.1 | 20.7 |
| 2 5 | 5 59.05 | + 4 19.3 | 1.668 | 2.429 | 17.9 | 20.9 |

**105083** 2000 $KF_{75}$ 12 27.6 209.°78 1.°1/27.8 18

| 11 27 | 6 50.98 | +18 43.4 | 2.297 | 3.139 | 11.0 | 20.8 |
|---|---|---|---|---|---|---|
| 12 7 | 6 44.43 | +19 1.7 | 2.217 | 3.133 | 7.9 | 20.6 |
| 12 17 | 6 36.02 | +19 24.4 | 2.163 | 3.127 | 4.3 | 20.3 |
| 12 27 | 6 26.51 | +19 50.0 | 2.139 | 3.121 | 1.1 | 20.1 |
| 1 6 | 6 16.84 | +20 16.7 | 2.146 | 3.114 | 3.8 | 20.3 |
| 1 16 | 6 7.97 | +20 43.3 | 2.183 | 3.107 | 7.4 | 20.5 |
| 1 26 | 6 0.77 | +21 9.0 | 2.247 | 3.099 | 10.7 | 20.7 |
| 2 5 | 5 55.82 | +21 33.6 | 2.334 | 3.091 | 13.5 | 20.9 |

**350530** 2000 $JQ_{19}$ 12 27.6 294.°47 7.°7/28.5 18

| 11 27 | 6 49.73 | + 3 4.8 | 1.821 | 2.635 | 14.6 | 20.7 |
|---|---|---|---|---|---|---|
| 12 7 | 6 44.05 | + 2 43.6 | 1.723 | 2.605 | 11.9 | 20.5 |
| 12 17 | 6 36.07 | + 2 40.6 | 1.648 | 2.575 | 9.2 | 20.3 |
| 12 27 | 6 26.54 | + 2 59.1 | 1.599 | 2.544 | 7.7 | 20.1 |
| 1 6 | 6 16.52 | + 3 39.9 | 1.576 | 2.513 | 8.6 | 20.1 |
| 1 16 | 6 7.20 | + 4 41.0 | 1.581 | 2.482 | 11.4 | 20.2 |
| 1 26 | 5 59.73 | + 5 58.2 | 1.609 | 2.450 | 14.8 | 20.3 |
| 2 5 | 5 54.91 | + 7 25.7 | 1.659 | 2.419 | 18.0 | 20.5 |

**184333** 2005 $GX_{108}$ 12 27.6 62.°80 2.°7/27.3 18

| 11 27 | 6 57.72 | +27 1.6 | 1.207 | 2.075 | 17.1 | 19.8 |
|---|---|---|---|---|---|---|
| 12 7 | 6 50.09 | +27 49.6 | 1.169 | 2.097 | 12.1 | 19.6 |
| 12 17 | 6 39.23 | +28 34.4 | 1.153 | 2.120 | 6.7 | 19.3 |
| 12 27 | 6 26.69 | +29 9.5 | 1.162 | 2.143 | 2.7 | 19.2 |
| 1 6 | 6 14.46 | +29 31.0 | 1.198 | 2.166 | 6.2 | 19.5 |
| 1 16 | 6 4.34 | +29 39.2 | 1.260 | 2.189 | 11.2 | 19.8 |
| 1 26 | 5 57.60 | +29 37.4 | 1.345 | 2.212 | 15.5 | 20.1 |
| 2 5 | 5 54.75 | +29 29.7 | 1.448 | 2.235 | 19.0 | 20.4 |

**95428** 2002 $CF_{238}$ 12 27.6 24.°27 10.°6/29.6 18

| 11 27 | 6 47.79 | + 2 46.3 | 1.004 | 1.858 | 20.9 | 18.4 |
|---|---|---|---|---|---|---|
| 12 7 | 6 43.10 | + 2 2.5 | 0.971 | 1.874 | 16.8 | 18.2 |
| 12 17 | 6 35.53 | + 1 49.4 | 0.956 | 1.892 | 12.9 | 18.0 |
| 12 27 | 6 26.50 | + 2 10.6 | 0.961 | 1.911 | 10.7 | 18.0 |
| 1 6 | 6 17.70 | + 3 3.8 | 0.988 | 1.932 | 11.4 | 18.1 |
| 1 16 | 6 10.69 | + 4 22.3 | 1.038 | 1.955 | 14.3 | 18.3 |
| 1 26 | 6 6.62 | + 5 56.4 | 1.108 | 1.979 | 17.8 | 18.6 |
| 2 5 | 6 5.97 | + 7 36.5 | 1.195 | 2.004 | 21.0 | 18.9 |

**4793** Slessor 12 27.6 253.°45 2.°0/27.8 18

| 11 27 | 6 50.86 | +17 16.4 | 2.040 | 2.885 | 12.1 | 17.8 |
|---|---|---|---|---|---|---|
| 12 7 | 6 44.56 | +17 16.2 | 1.955 | 2.872 | 8.7 | 17.5 |
| 12 17 | 6 36.19 | +17 21.5 | 1.895 | 2.858 | 5.0 | 17.3 |
| 12 27 | 6 26.55 | +17 31.6 | 1.864 | 2.844 | 2.0 | 17.1 |
| 1 6 | 6 16.69 | +17 45.5 | 1.863 | 2.830 | 4.4 | 17.2 |
| 1 16 | 6 7.68 | +18 2.3 | 1.890 | 2.815 | 8.3 | 17.4 |
| 1 26 | 6 0.50 | +18 21.4 | 1.944 | 2.800 | 12.0 | 17.6 |
| 2 5 | 5 55.81 | +18 42.0 | 2.020 | 2.785 | 15.1 | 17.8 |

**23764** 1998 $MR_{15}$ 12 27.6 72.°39 8.°6/29.2 18

| 11 27 | 6 51.26 | + 1 18.2 | 1.650 | 2.460 | 16.1 | 18.5 |
|---|---|---|---|---|---|---|
| 12 7 | 6 44.72 | + 0 41.5 | 1.606 | 2.481 | 13.0 | 18.4 |
| 12 17 | 6 36.14 | + 0 26.3 | 1.584 | 2.503 | 10.2 | 18.2 |
| 12 27 | 6 26.54 | + 0 35.2 | 1.588 | 2.524 | 8.7 | 18.2 |
| 1 6 | 6 17.10 | + 1 7.3 | 1.618 | 2.545 | 9.3 | 18.3 |
| 1 16 | 6 8.92 | + 1 59.3 | 1.674 | 2.566 | 11.5 | 18.5 |
| 1 26 | 6 2.89 | + 3 5.7 | 1.754 | 2.587 | 14.2 | 18.7 |
| 2 5 | 5 59.49 | + 4 20.5 | 1.854 | 2.607 | 16.6 | 18.9 |

**445583** 2011 $QC_{84}$ 12 27.6 96.°73 5.°5/27.4 17

| 11 27 | 6 58.60 | +37 38.1 | 1.775 | 2.613 | 13.9 | 21.8 |
|---|---|---|---|---|---|---|
| 12 7 | 6 50.24 | +38 9.3 | 1.724 | 2.629 | 10.5 | 21.6 |
| 12 17 | 6 39.17 | +38 27.4 | 1.697 | 2.644 | 7.2 | 21.5 |
| 12 27 | 6 26.71 | +38 27.1 | 1.698 | 2.660 | 5.5 | 21.4 |
| 1 6 | 6 14.47 | +38 7.0 | 1.727 | 2.675 | 7.0 | 21.5 |
| 1 16 | 6 3.96 | +37 29.6 | 1.784 | 2.690 | 10.0 | 21.8 |
| 1 26 | 5 56.28 | +36 40.5 | 1.865 | 2.705 | 13.2 | 22.0 |
| 2 5 | 5 51.98 | +35 45.8 | 1.968 | 2.719 | 15.9 | 22.2 |

**257780** 2000 $DO_{23}$ 12 27.6 240.°46 6.°6/28.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.83 | + 3 6.2 | 2.141 | 2.945 | 13.1 | 20.8 |
| 12 7 | 6 43.69 | + 2 54.4 | 2.057 | 2.934 | 10.5 | 20.6 |
| 12 17 | 6 35.69 | + 2 58.7 | 1.998 | 2.921 | 8.0 | 20.4 |
| 12 27 | 6 26.54 | + 3 20.9 | 1.965 | 2.909 | 6.6 | 20.3 |
| 1 6 | 6 17.18 | + 4 0.7 | 1.962 | 2.896 | 7.4 | 20.3 |
| 1 16 | 6 8.58 | + 4 55.9 | 1.986 | 2.883 | 9.7 | 20.4 |
| 1 26 | 6 1.61 | + 6 2.9 | 2.037 | 2.869 | 12.5 | 20.6 |
| 2 5 | 5 56.89 | + 7 17.2 | 2.109 | 2.855 | 15.1 | 20.7 |

**230430** 2002 $PD_{120}$ 12 27.6 140.°16 1.°3/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.76 | +20 35.6 | 1.634 | 2.486 | 14.2 | 21.2 |
| 12 7 | 6 48.15 | +20 23.7 | 1.573 | 2.495 | 10.1 | 21.0 |
| 12 17 | 6 38.08 | +20 14.2 | 1.537 | 2.503 | 5.5 | 20.8 |
| 12 27 | 6 26.67 | +20 6.0 | 1.528 | 2.511 | 1.3 | 20.5 |
| 1 6 | 6 15.31 | +19 58.8 | 1.549 | 2.518 | 4.8 | 20.8 |
| 1 16 | 6 5.37 | +19 52.8 | 1.598 | 2.525 | 9.4 | 21.1 |
| 1 26 | 5 57.92 | +19 48.8 | 1.672 | 2.531 | 13.4 | 21.3 |
| 2 5 | 5 53.53 | +19 47.4 | 1.767 | 2.537 | 16.7 | 21.5 |

**201809** 2003 $XK_{20}$ 12 27.6 20.°15 2.°8/28.1 16

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.08 | +34 34.1 | 1.921 | 2.762 | 12.9 | 19.6 |
| 12 7 | 6 48.78 | +33 44.2 | 1.854 | 2.767 | 9.4 | 19.4 |
| 12 17 | 6 38.25 | +32 41.3 | 1.813 | 2.772 | 5.6 | 19.2 |
| 12 27 | 6 26.67 | +31 24.7 | 1.801 | 2.778 | 2.9 | 19.0 |
| 1 6 | 6 15.42 | +29 56.9 | 1.820 | 2.784 | 4.8 | 19.1 |
| 1 16 | 6 5.74 | +28 22.8 | 1.868 | 2.791 | 8.6 | 19.4 |
| 1 26 | 5 58.55 | +26 48.7 | 1.944 | 2.798 | 12.1 | 19.6 |
| 2 5 | 5 54.29 | +25 19.5 | 2.044 | 2.806 | 15.0 | 19.8 |

**356017** 2009 $BS_{112}$ 12 27.6 224.°98 1.°9/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.33 | +28 16.4 | 2.296 | 3.140 | 11.0 | 21.8 |
| 12 7 | 6 46.24 | +28 41.0 | 2.212 | 3.129 | 7.9 | 21.6 |
| 12 17 | 6 37.06 | +29 2.8 | 2.155 | 3.118 | 4.4 | 21.3 |
| 12 27 | 6 26.62 | +29 18.6 | 2.127 | 3.106 | 1.9 | 21.1 |
| 1 6 | 6 15.98 | +29 26.6 | 2.129 | 3.094 | 4.3 | 21.3 |
| 1 16 | 6 6.23 | +29 26.4 | 2.162 | 3.081 | 7.8 | 21.5 |
| 1 26 | 5 58.35 | +29 19.5 | 2.222 | 3.068 | 11.1 | 21.7 |
| 2 5 | 5 52.96 | +29 8.3 | 2.304 | 3.054 | 13.9 | 21.8 |

**480280** 2015 $HL_{101}$ 12 27.6 111.°84 4.°3/27.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.42 | +32 38.9 | 1.598 | 2.448 | 14.6 | 21.4 |
| 12 7 | 6 50.32 | +33 22.5 | 1.545 | 2.461 | 10.7 | 21.2 |
| 12 17 | 6 39.32 | +33 57.5 | 1.516 | 2.474 | 6.6 | 21.0 |
| 12 27 | 6 26.74 | +34 18.1 | 1.514 | 2.487 | 4.3 | 20.9 |
| 1 6 | 6 14.25 | +34 21.5 | 1.541 | 2.499 | 6.5 | 21.0 |
| 1 16 | 6 3.45 | +34 8.9 | 1.595 | 2.511 | 10.3 | 21.3 |
| 1 26 | 5 55.60 | +33 44.7 | 1.674 | 2.523 | 13.9 | 21.5 |
| 2 5 | 5 51.26 | +33 14.0 | 1.773 | 2.534 | 17.0 | 21.8 |

**520248** 2014 $DY_{154}$ 12 27.6 192.°45 3.°3/28.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.31 | +12 58.7 | 2.152 | 2.986 | 12.0 | 22.2 |
| 12 7 | 6 44.68 | +12 55.7 | 2.077 | 2.984 | 8.8 | 22.0 |
| 12 17 | 6 36.18 | +13 1.1 | 2.027 | 2.982 | 5.5 | 21.8 |
| 12 27 | 6 26.60 | +13 14.9 | 2.006 | 2.980 | 3.3 | 21.6 |
| 1 6 | 6 16.90 | +13 36.2 | 2.016 | 2.977 | 4.9 | 21.7 |
| 1 16 | 6 8.07 | +14 3.6 | 2.055 | 2.973 | 8.2 | 21.9 |
| 1 26 | 6 0.98 | +14 35.5 | 2.120 | 2.969 | 11.4 | 22.1 |
| 2 5 | 5 56.19 | +15 10.3 | 2.208 | 2.964 | 14.2 | 22.3 |

**326023** 2010 $WB_{73}$ 12 27.6 190.°63 3.°6/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.90 | +14 33.8 | 1.410 | 2.263 | 15.9 | 20.5 |
| 12 7 | 6 47.23 | +14 28.7 | 1.344 | 2.263 | 11.7 | 20.2 |
| 12 17 | 6 37.78 | +14 34.4 | 1.302 | 2.263 | 7.0 | 20.0 |
| 12 27 | 6 26.69 | +14 50.7 | 1.285 | 2.262 | 3.7 | 19.8 |
| 1 6 | 6 15.45 | +15 15.9 | 1.296 | 2.262 | 6.2 | 19.9 |
| 1 16 | 6 5.60 | +15 48.1 | 1.333 | 2.261 | 10.8 | 20.2 |
| 1 26 | 5 58.39 | +16 24.8 | 1.394 | 2.260 | 15.2 | 20.4 |
| 2 5 | 5 54.52 | +17 3.9 | 1.475 | 2.259 | 18.9 | 20.7 |

**105068** 2000 $KD_{66}$ 12 27.6 191.°20 5.°2/28.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 46.62 | + 3 29.5 | 2.824 | 3.622 | 10.4 | 20.2 |
| 12 7 | 6 41.03 | + 3 20.3 | 2.748 | 3.621 | 8.3 | 20.1 |
| 12 17 | 6 34.13 | + 3 23.1 | 2.698 | 3.619 | 6.3 | 19.9 |
| 12 27 | 6 26.49 | + 3 39.0 | 2.677 | 3.618 | 5.3 | 19.9 |
| 1 6 | 6 18.77 | + 4 7.6 | 2.684 | 3.616 | 5.8 | 19.9 |
| 1 16 | 6 11.66 | + 4 47.4 | 2.722 | 3.613 | 7.6 | 20.0 |
| 1 26 | 6 5.77 | + 5 36.2 | 2.786 | 3.611 | 9.7 | 20.1 |
| 2 5 | 6 1.53 | + 6 31.0 | 2.874 | 3.608 | 11.7 | 20.3 |

**450571** 2006 $JH_{35}$ 12 27.6 166.°26 0.°3/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.87 | +21 23.0 | 2.166 | 3.010 | 11.5 | 22.2 |
| 12 7 | 6 45.79 | +21 39.2 | 2.097 | 3.015 | 8.1 | 22.0 |
| 12 17 | 6 36.77 | +21 57.4 | 2.054 | 3.020 | 4.3 | 21.7 |
| 12 27 | 6 26.64 | +22 15.8 | 2.040 | 3.023 | 0.4 | 21.4 |
| 1 6 | 6 16.45 | +22 32.7 | 2.057 | 3.026 | 3.8 | 21.7 |
| 1 16 | 6 7.23 | +22 47.3 | 2.104 | 3.029 | 7.6 | 22.0 |
| 1 26 | 5 59.88 | +22 59.8 | 2.178 | 3.031 | 11.0 | 22.2 |
| 2 5 | 5 54.96 | +23 10.7 | 2.275 | 3.032 | 13.8 | 22.4 |

**90488** 2004 $DX_{12}$ 12 27.6 297.°97 7.°4/28.8 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.92 | + 3 45.3 | 1.776 | 2.596 | 14.7 | 20.3 |
| 12 7 | 6 43.37 | + 3 26.7 | 1.695 | 2.581 | 11.8 | 20.1 |
| 12 17 | 6 35.66 | + 3 26.5 | 1.637 | 2.567 | 9.0 | 19.9 |
| 12 27 | 6 26.59 | + 3 47.2 | 1.605 | 2.553 | 7.4 | 19.8 |
| 1 6 | 6 17.25 | + 4 28.6 | 1.600 | 2.539 | 8.3 | 19.8 |
| 1 16 | 6 8.78 | + 5 28.1 | 1.621 | 2.525 | 11.0 | 19.9 |
| 1 26 | 6 2.24 | + 6 41.4 | 1.666 | 2.511 | 14.2 | 20.1 |
| 2 5 | 5 58.30 | + 8 2.8 | 1.733 | 2.498 | 17.2 | 20.3 |

**172638** 2003 $YM_{21}$ 12 27.6 212.°72 0.°1/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.44 | +21 51.7 | 2.729 | 3.572 | 9.4 | 20.7 |
| 12 7 | 6 42.46 | +22 13.2 | 2.650 | 3.568 | 6.6 | 20.5 |
| 12 17 | 6 34.95 | +22 36.5 | 2.597 | 3.563 | 3.5 | 20.3 |
| 12 27 | 6 26.55 | +22 59.9 | 2.575 | 3.558 | 0.2 | 20.0 |
| 1 6 | 6 18.02 | +23 21.9 | 2.584 | 3.553 | 3.1 | 20.2 |
| 1 16 | 6 10.17 | +23 41.7 | 2.624 | 3.548 | 6.3 | 20.4 |
| 1 26 | 6 3.70 | +23 59.1 | 2.691 | 3.542 | 9.2 | 20.6 |
| 2 5 | 5 59.13 | +24 14.3 | 2.782 | 3.536 | 11.6 | 20.8 |

**326847** 2003 $UO_{136}$ 12 27.6 75.°94 1.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.13 | +20 34.4 | 1.279 | 2.141 | 16.7 | 20.9 |
| 12 7 | 6 49.38 | +20 34.9 | 1.237 | 2.164 | 11.8 | 20.7 |
| 12 17 | 6 38.78 | +20 39.3 | 1.218 | 2.186 | 6.3 | 20.4 |
| 12 27 | 6 26.76 | +20 45.5 | 1.225 | 2.208 | 1.2 | 20.1 |
| 1 6 | 6 15.06 | +20 51.9 | 1.260 | 2.230 | 5.4 | 20.5 |
| 1 16 | 6 5.26 | +20 58.1 | 1.321 | 2.252 | 10.5 | 20.8 |
| 1 26 | 5 58.51 | +21 4.7 | 1.405 | 2.274 | 14.9 | 21.2 |
| 2 5 | 5 55.29 | +21 12.1 | 1.509 | 2.295 | 18.4 | 21.4 |

**422520** 2014 $TG_9$ 12 27.6 176.°03 2.°7/27.2 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.11 | +31 26.6 | 2.544 | 3.384 | 10.1 | 21.8 |
| 12 7 | 6 45.19 | +31 56.5 | 2.473 | 3.385 | 7.4 | 21.6 |
| 12 17 | 6 36.44 | +32 21.4 | 2.428 | 3.387 | 4.5 | 21.5 |
| 12 27 | 6 26.64 | +32 38.4 | 2.414 | 3.388 | 2.7 | 21.3 |
| 1 6 | 6 16.77 | +32 45.7 | 2.430 | 3.388 | 4.4 | 21.5 |
| 1 16 | 6 7.80 | +32 43.3 | 2.475 | 3.389 | 7.2 | 21.6 |
| 1 26 | 6 0.56 | +32 33.0 | 2.549 | 3.388 | 10.0 | 21.8 |
| 2 5 | 5 55.60 | +32 17.3 | 2.645 | 3.388 | 12.4 | 22.0 |

**292277** 2006 $SS_{121}$ 12 27.6 160.°78 0.°5/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.65 | +23 50.3 | 2.064 | 2.912 | 11.8 | 21.4 |
| 12 7 | 6 45.75 | +24 11.4 | 1.995 | 2.916 | 8.3 | 21.2 |
| 12 17 | 6 36.80 | +24 32.9 | 1.953 | 2.920 | 4.4 | 21.0 |
| 12 27 | 6 26.66 | +24 52.2 | 1.940 | 2.923 | 0.6 | 20.7 |
| 1 6 | 6 16.46 | +25 7.6 | 1.957 | 2.926 | 4.0 | 21.0 |
| 1 16 | 6 7.30 | +25 18.3 | 2.003 | 2.928 | 7.9 | 21.2 |
| 1 26 | 6 0.12 | +25 25.1 | 2.076 | 2.931 | 11.4 | 21.4 |
| 2 5 | 5 55.49 | +25 29.1 | 2.172 | 2.933 | 14.3 | 21.6 |

**212225** 2005 $JR_{14}$ 12 27.6 294.°63 6.°3/28.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.49 | + 6 39.3 | 1.734 | 2.563 | 14.5 | 19.7 |
| 12 7 | 6 43.82 | + 6 25.6 | 1.654 | 2.551 | 11.4 | 19.4 |
| 12 17 | 6 35.92 | + 6 28.2 | 1.598 | 2.539 | 8.2 | 19.2 |
| 12 27 | 6 26.63 | + 6 48.9 | 1.568 | 2.526 | 6.4 | 19.1 |
| 1 6 | 6 17.08 | + 7 27.2 | 1.565 | 2.514 | 7.5 | 19.1 |
| 1 16 | 6 8.45 | + 8 20.7 | 1.589 | 2.502 | 10.6 | 19.3 |
| 1 26 | 6 1.82 | + 9 25.2 | 1.638 | 2.490 | 14.0 | 19.5 |
| 2 5 | 5 57.88 | +10 36.2 | 1.708 | 2.478 | 17.2 | 19.6 |

**5250** Jas 12 27.6 91.°57 4.°5/28.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.67 | + 9 10.2 | 1.901 | 2.730 | 13.5 | 17.2 |
| 12 7 | 6 44.93 | + 9 21.4 | 1.848 | 2.749 | 10.1 | 17.0 |
| 12 17 | 6 36.29 | + 9 45.9 | 1.820 | 2.768 | 6.7 | 16.8 |
| 12 27 | 6 26.65 | +10 23.0 | 1.820 | 2.787 | 4.5 | 16.7 |
| 1 6 | 6 17.07 | +11 10.7 | 1.849 | 2.805 | 5.7 | 16.8 |
| 1 16 | 6 8.59 | +12 5.7 | 1.907 | 2.824 | 8.8 | 17.1 |
| 1 26 | 6 2.06 | +13 4.9 | 1.991 | 2.841 | 12.0 | 17.3 |
| 2 5 | 5 57.99 | +14 5.2 | 2.097 | 2.859 | 14.7 | 17.5 |

**277647** 2006 $BM_{118}$ 12 27.6 206.°49 3.°0/27.4 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.45 | +32 59.6 | 2.353 | 3.193 | 10.8 | 21.1 |
| 12 7 | 6 45.53 | +33 11.2 | 2.279 | 3.191 | 7.9 | 20.9 |
| 12 17 | 6 36.66 | +33 15.7 | 2.232 | 3.189 | 4.9 | 20.7 |
| 12 27 | 6 26.68 | +33 10.4 | 2.213 | 3.187 | 3.0 | 20.6 |
| 1 6 | 6 16.68 | +32 54.4 | 2.225 | 3.184 | 4.7 | 20.7 |
| 1 16 | 6 7.71 | +32 28.4 | 2.266 | 3.182 | 7.7 | 20.8 |
| 1 26 | 6 0.65 | +31 55.4 | 2.334 | 3.179 | 10.7 | 21.0 |
| 2 5 | 5 56.04 | +31 18.4 | 2.425 | 3.176 | 13.2 | 21.2 |

**408285** 2013 $GK_9$ 12 27.6 212.°51 1.°3/27.7 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.97 | +18 57.2 | 2.336 | 3.177 | 10.9 | 21.9 |
| 12 7 | 6 44.41 | +18 54.8 | 2.255 | 3.171 | 7.8 | 21.7 |
| 12 17 | 6 36.06 | +18 55.5 | 2.200 | 3.164 | 4.3 | 21.5 |
| 12 27 | 6 26.65 | +18 58.6 | 2.175 | 3.157 | 1.4 | 21.3 |
| 1 6 | 6 17.13 | +19 3.5 | 2.181 | 3.149 | 3.8 | 21.4 |
| 1 16 | 6 8.42 | +19 9.8 | 2.217 | 3.141 | 7.4 | 21.6 |
| 1 26 | 6 1.35 | +19 17.3 | 2.280 | 3.132 | 10.6 | 21.8 |
| 2 5 | 5 56.49 | +19 26.0 | 2.366 | 3.122 | 13.4 | 22.0 |

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **373639** | 2002 $PB_2$ | | 12 27.6 | 117.°48 | 3.°8/27.6 | 17 |
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.54 | +37 18.0 | 2.636 | 3.462 | 10.2 | 21.9 |
| 12 7 | 6 46.71 | +37 23.3 | 2.577 | 3.477 | 7.7 | 21.7 |
| 12 17 | 6 37.14 | +37 18.6 | 2.545 | 3.491 | 5.2 | 21.6 |
| 12 27 | 6 26.71 | +37 1.6 | 2.542 | 3.505 | 3.8 | 21.5 |
| 1 6 | 6 16.45 | +36 32.1 | 2.570 | 3.518 | 4.9 | 21.6 |
| 1 16 | 6 7.32 | +35 51.6 | 2.627 | 3.532 | 7.3 | 21.8 |
| 1 26 | 6 0.09 | +35 3.7 | 2.713 | 3.545 | 9.7 | 22.0 |
| 2 5 | 5 55.22 | +34 12.0 | 2.822 | 3.557 | 11.9 | 22.1 |
| **229478** | 2005 $UN_{299}$ | | 12 27.6 | 35.°40 | 1.°9/27.4 | 18 |
| 11 27 | 6 53.91 | +25 55.2 | 1.291 | 2.160 | 16.1 | 20.5 |
| 12 7 | 6 47.50 | +26 28.2 | 1.238 | 2.168 | 11.4 | 20.2 |
| 12 17 | 6 38.01 | +27 0.2 | 1.207 | 2.175 | 6.2 | 20.0 |
| 12 27 | 6 26.76 | +27 26.4 | 1.202 | 2.184 | 1.9 | 19.7 |
| 1 6 | 6 15.52 | +27 43.2 | 1.223 | 2.192 | 5.7 | 20.0 |
| 1 16 | 6 6.01 | +27 50.4 | 1.270 | 2.202 | 10.8 | 20.3 |
| 1 26 | 5 59.56 | +27 49.9 | 1.340 | 2.211 | 15.3 | 20.6 |
| 2 5 | 5 56.79 | +27 44.8 | 1.429 | 2.222 | 18.9 | 20.9 |
| **160873** | 2001 $NE_{14}$ | | 12 27.6 | 40.°21 | 4.°9/27.4 | 18 |
| 11 27 | 6 53.63 | +38 48.4 | 2.288 | 3.119 | 11.4 | 19.4 |
| 12 7 | 6 46.46 | +39 6.4 | 2.222 | 3.121 | 8.8 | 19.2 |
| 12 17 | 6 37.17 | +39 13.0 | 2.180 | 3.123 | 6.2 | 19.0 |
| 12 27 | 6 26.72 | +39 4.6 | 2.167 | 3.125 | 4.9 | 19.0 |
| 1 6 | 6 16.31 | +38 40.2 | 2.183 | 3.127 | 6.0 | 19.0 |
| 1 16 | 6 7.12 | +38 1.3 | 2.227 | 3.129 | 8.5 | 19.2 |
| 1 26 | 6 0.08 | +37 11.9 | 2.297 | 3.131 | 11.2 | 19.4 |
| 2 5 | 5 55.73 | +36 16.7 | 2.390 | 3.133 | 13.6 | 19.6 |
| **335405** | 2005 $TW_{98}$ | | 12 27.6 | 164.°07 | 3.°1/27.4 | 18 |
| 11 27 | 6 58.43 | +31 47.3 | 1.924 | 2.765 | 12.8 | 21.4 |
| 12 7 | 6 49.99 | +32 3.0 | 1.858 | 2.771 | 9.3 | 21.2 |
| 12 17 | 6 39.09 | +32 11.1 | 1.817 | 2.777 | 5.6 | 21.0 |
| 12 27 | 6 26.83 | +32 7.8 | 1.806 | 2.781 | 3.1 | 20.8 |
| 1 6 | 6 14.61 | +31 51.7 | 1.824 | 2.785 | 5.2 | 21.0 |
| 1 16 | 6 3.78 | +31 24.3 | 1.872 | 2.789 | 8.9 | 21.2 |
| 1 26 | 5 55.45 | +30 49.4 | 1.946 | 2.791 | 12.4 | 21.4 |
| 2 5 | 5 50.17 | +30 11.3 | 2.041 | 2.793 | 15.4 | 21.6 |
| **303564** | 2005 $GD_{65}$ | | 12 27.6 | 208.°99 | 4.°4/26.6 | 18 |
| 11 27 | 6 55.62 | +33 23.7 | 2.093 | 2.933 | 12.0 | 21.1 |
| 12 7 | 6 48.20 | +34 30.2 | 2.019 | 2.929 | 8.9 | 20.9 |
| 12 17 | 6 38.29 | +35 31.2 | 1.971 | 2.924 | 5.9 | 20.7 |
| 12 27 | 6 26.80 | +36 20.6 | 1.953 | 2.919 | 4.4 | 20.6 |
| 1 6 | 6 15.01 | +36 54.5 | 1.964 | 2.914 | 6.1 | 20.7 |
| 1 16 | 6 4.26 | +37 11.7 | 2.004 | 2.908 | 9.2 | 20.8 |
| 1 26 | 5 55.74 | +37 14.5 | 2.069 | 2.901 | 12.3 | 21.0 |
| 2 5 | 5 50.18 | +37 6.9 | 2.156 | 2.894 | 15.0 | 21.2 |
| **194788** | 2001 $YG_{88}$ | | 12 27.6 | 296.°25 | 0.°8/27.5 | 18 |
| 11 27 | 6 52.86 | +24 10.8 | 1.521 | 2.383 | 14.5 | 20.5 |
| 12 7 | 6 46.68 | +24 30.7 | 1.442 | 2.369 | 10.4 | 20.2 |
| 12 17 | 6 37.64 | +24 51.8 | 1.387 | 2.355 | 5.6 | 19.9 |
| 12 27 | 6 26.77 | +25 10.7 | 1.358 | 2.341 | 0.8 | 19.6 |
| 1 6 | 6 15.55 | +25 24.6 | 1.358 | 2.328 | 5.1 | 19.8 |
| 1 16 | 6 5.57 | +25 32.5 | 1.384 | 2.315 | 10.2 | 20.1 |
| 1 26 | 5 58.19 | +25 35.7 | 1.434 | 2.301 | 14.7 | 20.3 |
| 2 5 | 5 54.21 | +25 35.9 | 1.503 | 2.288 | 18.5 | 20.5 |
| **146414** | 2001 $QV_{197}$ | | 12 27.6 | 68.°07 | 5.°2/27.9 | 18 |
| 11 27 | 6 51.07 | +10 44.9 | 1.794 | 2.631 | 13.8 | 19.2 |
| 12 7 | 6 44.55 | + 9 56.4 | 1.743 | 2.648 | 10.4 | 19.0 |
| 12 17 | 6 36.10 | + 9 18.6 | 1.717 | 2.665 | 7.1 | 18.8 |
| 12 27 | 6 26.67 | + 8 53.8 | 1.718 | 2.681 | 5.3 | 18.8 |
| 1 6 | 6 17.38 | + 8 42.8 | 1.747 | 2.698 | 6.6 | 18.9 |
| 1 16 | 6 9.27 | + 8 45.0 | 1.804 | 2.715 | 9.6 | 19.1 |
| 1 26 | 6 3.20 | + 8 58.5 | 1.886 | 2.732 | 12.7 | 19.3 |
| 2 5 | 5 59.64 | + 9 20.5 | 1.988 | 2.749 | 15.4 | 19.5 |
| **101418** | 1998 $VW_{15}$ | | 12 27.6 | 56.°15 | 2.°6/27.8 | 18 |
| 11 27 | 6 53.90 | +17 40.8 | 1.284 | 2.148 | 16.5 | 19.6 |
| 12 7 | 6 47.17 | +17 30.9 | 1.238 | 2.164 | 11.8 | 19.4 |
| 12 17 | 6 37.69 | +17 28.5 | 1.214 | 2.180 | 6.7 | 19.1 |
| 12 27 | 6 26.76 | +17 32.8 | 1.216 | 2.197 | 2.6 | 18.9 |
| 1 6 | 6 16.03 | +17 42.6 | 1.244 | 2.214 | 5.7 | 19.2 |
| 1 16 | 6 7.01 | +17 56.6 | 1.299 | 2.231 | 10.6 | 19.5 |
| 1 26 | 6 0.84 | +18 14.0 | 1.376 | 2.248 | 14.9 | 19.8 |
| 2 5 | 5 58.06 | +18 33.6 | 1.473 | 2.266 | 18.5 | 20.1 |
| **363203** | 2001 $UY_{132}$ | | 12 27.6 | 42.°82 | 3.°6/27.3 | 17 |
| 11 27 | 6 53.59 | +31 2.2 | 1.576 | 2.434 | 14.3 | 20.7 |
| 12 7 | 6 46.88 | +31 35.5 | 1.526 | 2.448 | 10.3 | 20.5 |
| 12 17 | 6 37.53 | +32 1.9 | 1.500 | 2.463 | 6.1 | 20.3 |
| 12 27 | 6 26.76 | +32 16.9 | 1.501 | 2.477 | 3.6 | 20.2 |
| 1 6 | 6 16.11 | +32 18.3 | 1.530 | 2.493 | 5.9 | 20.4 |
| 1 16 | 6 7.04 | +32 7.0 | 1.585 | 2.508 | 9.8 | 20.6 |
| 1 26 | 6 0.66 | +31 46.5 | 1.665 | 2.524 | 13.5 | 20.9 |
| 2 5 | 5 57.53 | +31 20.8 | 1.765 | 2.541 | 16.5 | 21.1 |

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **418732** | 2008 $UK_{118}$ | | 12 27.6 | 169.°07 | 2.°1/27.7 | 18 |
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.78 | +17 26.8 | 2.437 | 3.278 | 10.5 | 21.1 |
| 12 7 | 6 42.73 | +17 1.2 | 2.364 | 3.279 | 7.5 | 20.9 |
| 12 17 | 6 35.11 | +16 38.9 | 2.319 | 3.280 | 4.4 | 20.7 |
| 12 27 | 6 26.63 | +16 20.4 | 2.302 | 3.280 | 2.1 | 20.5 |
| 1 6 | 6 18.13 | +16 5.9 | 2.316 | 3.281 | 4.0 | 20.7 |
| 1 16 | 6 10.45 | +15 55.8 | 2.360 | 3.281 | 7.1 | 20.9 |
| 1 26 | 6 4.30 | +15 50.1 | 2.431 | 3.282 | 10.1 | 21.1 |
| 2 5 | 6 0.15 | +15 48.5 | 2.525 | 3.282 | 12.6 | 21.2 |
| **97573** | 2000 $DC_{108}$ | | 12 27.6 | 36.°43 | 6.°3/29.6 | 18 |
| 11 27 | 6 49.46 | + 4 46.4 | 1.601 | 2.430 | 15.6 | 18.0 |
| 12 7 | 6 43.58 | + 5 7.2 | 1.559 | 2.453 | 12.1 | 17.8 |
| 12 17 | 6 35.65 | + 5 48.1 | 1.538 | 2.477 | 8.6 | 17.7 |
| 12 27 | 6 26.66 | + 6 48.3 | 1.544 | 2.502 | 6.4 | 17.6 |
| 1 6 | 6 17.81 | + 8 4.2 | 1.577 | 2.528 | 7.2 | 17.7 |
| 1 16 | 6 10.20 | + 9 30.4 | 1.637 | 2.554 | 10.0 | 18.0 |
| 1 26 | 6 4.74 | +11 1.2 | 1.723 | 2.581 | 13.2 | 18.2 |
| 2 5 | 6 1.91 | +12 31.4 | 1.830 | 2.608 | 16.0 | 18.5 |
| **513725** | 2012 $TT_{117}$ | | 12 27.6 | 166.°81 | 0.°1/27.6 | 18 |
| 11 27 | 6 55.18 | +22 50.7 | 1.894 | 2.741 | 12.7 | 22.2 |
| 12 7 | 6 47.63 | +22 51.5 | 1.826 | 2.746 | 9.0 | 22.0 |
| 12 17 | 6 37.84 | +22 52.7 | 1.783 | 2.750 | 4.8 | 21.8 |
| 12 27 | 6 26.79 | +22 52.4 | 1.770 | 2.753 | 0.3 | 21.4 |
| 1 6 | 6 15.72 | +22 49.8 | 1.787 | 2.756 | 4.2 | 21.7 |
| 1 16 | 6 5.85 | +22 44.9 | 1.833 | 2.758 | 8.5 | 22.0 |
| 1 26 | 5 58.18 | +22 38.9 | 1.905 | 2.760 | 12.2 | 22.2 |
| 2 5 | 5 53.30 | +22 33.1 | 1.999 | 2.761 | 15.3 | 22.5 |
| **212010** | 2005 $BH_{33}$ | | 12 27.6 | 161.°49 | 1.°5/27.5 | 18 |
| 11 27 | 6 54.78 | +27 47.0 | 1.997 | 2.844 | 12.2 | 21.1 |
| 12 7 | 6 47.32 | +27 51.3 | 1.929 | 2.848 | 8.7 | 20.9 |
| 12 17 | 6 37.66 | +27 51.6 | 1.887 | 2.852 | 4.8 | 20.7 |
| 12 27 | 6 26.79 | +27 45.5 | 1.874 | 2.856 | 1.5 | 20.4 |
| 1 6 | 6 15.94 | +27 32.1 | 1.892 | 2.859 | 4.3 | 20.7 |
| 1 16 | 6 6.28 | +27 12.5 | 1.938 | 2.862 | 8.2 | 20.9 |
| 1 26 | 5 58.82 | +26 48.8 | 2.011 | 2.864 | 11.8 | 21.1 |
| 2 5 | 5 54.09 | +26 23.9 | 2.106 | 2.866 | 14.7 | 21.3 |
| **186583** | 2003 $AO_{69}$ | | 12 27.6 | 280.°18 | 1.°2/27.5 | 18 |
| 11 27 | 6 52.88 | +26 56.6 | 2.052 | 2.901 | 11.8 | 19.9 |
| 12 7 | 6 46.21 | +26 56.6 | 1.956 | 2.876 | 8.5 | 19.6 |
| 12 17 | 6 37.23 | +26 53.3 | 1.885 | 2.851 | 4.7 | 19.4 |
| 12 27 | 6 26.78 | +26 44.6 | 1.844 | 2.826 | 1.2 | 19.1 |
| 1 6 | 6 16.01 | +26 29.4 | 1.832 | 2.800 | 4.3 | 19.2 |
| 1 16 | 6 6.15 | +26 8.3 | 1.849 | 2.774 | 8.5 | 19.4 |
| 1 26 | 5 58.30 | +25 43.3 | 1.892 | 2.748 | 12.3 | 19.6 |
| 2 5 | 5 53.17 | +25 17.1 | 1.958 | 2.721 | 15.5 | 19.8 |
| **322146** | 2010 $WS_{14}$ | | 12 27.6 | 96.°17 | 0.°4/27.7 | 18 |
| 11 27 | 6 51.09 | +21 21.4 | 2.030 | 2.880 | 11.9 | 21.0 |
| 12 7 | 6 44.62 | +21 34.8 | 1.968 | 2.889 | 8.4 | 20.8 |
| 12 17 | 6 36.20 | +21 50.5 | 1.932 | 2.899 | 4.5 | 20.5 |
| 12 27 | 6 26.71 | +22 6.7 | 1.925 | 2.908 | 0.5 | 20.2 |
| 1 6 | 6 17.22 | +22 21.8 | 1.948 | 2.918 | 3.9 | 20.5 |
| 1 16 | 6 8.78 | +22 35.1 | 2.000 | 2.927 | 7.8 | 20.8 |
| 1 26 | 6 2.27 | +22 46.6 | 2.078 | 2.936 | 11.2 | 21.0 |
| 2 5 | 5 58.21 | +22 56.9 | 2.179 | 2.945 | 14.1 | 21.2 |
| **503820** | 2017 $KC_{16}$ | | 12 27.6 | 224.°61 | 7.°6/27.4 | 18 |
| 11 27 | 6 47.67 | − 4 6.9 | 3.024 | 3.780 | 10.8 | 21.6 |
| 12 7 | 6 41.76 | − 5 16.0 | 2.946 | 3.770 | 9.3 | 21.4 |
| 12 17 | 6 34.57 | − 6 11.8 | 2.892 | 3.759 | 8.1 | 21.3 |
| 12 27 | 6 26.63 | − 6 51.0 | 2.866 | 3.749 | 7.6 | 21.3 |
| 1 6 | 6 18.58 | − 7 12.1 | 2.868 | 3.738 | 8.0 | 21.3 |
| 1 16 | 6 11.07 | − 7 15.0 | 2.897 | 3.726 | 9.2 | 21.4 |
| 1 26 | 6 4.71 | − 7 1.2 | 2.950 | 3.714 | 10.8 | 21.5 |
| 2 5 | 5 59.93 | − 6 33.8 | 3.026 | 3.702 | 12.3 | 21.6 |
| **487899** | 2015 $TT_{170}$ | | 12 27.6 | 20.°38 | 1.°8/27.9 | 18 |
| 11 27 | 6 50.64 | +17 32.3 | 1.779 | 2.631 | 13.2 | 21.4 |
| 12 7 | 6 44.57 | +17 45.0 | 1.712 | 2.632 | 9.5 | 21.2 |
| 12 17 | 6 36.29 | +18 4.5 | 1.669 | 2.633 | 5.3 | 21.0 |
| 12 27 | 6 26.74 | +18 29.1 | 1.654 | 2.635 | 1.8 | 20.7 |
| 1 6 | 6 17.08 | +18 56.9 | 1.667 | 2.636 | 4.6 | 20.9 |
| 1 16 | 6 8.49 | +19 26.3 | 1.709 | 2.638 | 8.8 | 21.2 |
| 1 26 | 6 2.00 | +19 56.0 | 1.776 | 2.639 | 12.6 | 21.4 |
| 2 5 | 5 58.22 | +20 25.1 | 1.865 | 2.641 | 15.7 | 21.6 |
| **390100** | 2012 $VG_9$ | | 12 27.6 | 336.°21 | 2.°9/27.7 | 18 |
| 11 27 | 6 51.72 | +18 2.6 | 1.359 | 2.223 | 15.7 | 20.3 |
| 12 7 | 6 45.85 | +17 32.6 | 1.291 | 2.216 | 11.4 | 20.0 |
| 12 17 | 6 37.17 | +17 8.0 | 1.245 | 2.211 | 6.6 | 19.7 |
| 12 27 | 6 26.81 | +16 49.6 | 1.225 | 2.205 | 2.9 | 19.5 |
| 1 6 | 6 16.31 | +16 37.7 | 1.232 | 2.200 | 6.0 | 19.6 |
| 1 16 | 6 7.22 | +16 32.7 | 1.264 | 2.196 | 10.9 | 19.9 |
| 1 26 | 6 0.80 | +16 34.6 | 1.320 | 2.192 | 15.4 | 20.2 |
| 2 5 | 5 57.75 | +16 42.4 | 1.395 | 2.189 | 19.2 | 20.4 |

**485592** 2011 $UC_{243}$ 12 27.6 109.°88 1.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.29 | +25 25.4 | 1.879 | 2.731 | 12.6 | 21.8 |
| 12 7 | 6 46.36 | +25 47.1 | 1.818 | 2.740 | 8.9 | 21.6 |
| 12 17 | 6 37.20 | +26 7.7 | 1.782 | 2.749 | 4.8 | 21.4 |
| 12 27 | 6 26.81 | +26 24.4 | 1.775 | 2.757 | 1.1 | 21.1 |
| 1 6 | 6 16.43 | +26 35.1 | 1.797 | 2.766 | 4.4 | 21.4 |
| 1 16 | 6 7.24 | +26 39.6 | 1.848 | 2.774 | 8.4 | 21.6 |
| 1 26 | 6 0.26 | +26 39.2 | 1.925 | 2.782 | 12.0 | 21.9 |
| 2 5 | 5 56.05 | +26 35.8 | 2.024 | 2.790 | 15.0 | 22.1 |

**30614** 2778 *P–L* 12 27.6 204.°48 1.°0/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.48 | +20 24.5 | 1.592 | 2.448 | 14.3 | 18.4 |
| 12 7 | 6 46.81 | +20 27.5 | 1.524 | 2.448 | 10.2 | 18.1 |
| 12 17 | 6 37.58 | +20 34.3 | 1.480 | 2.447 | 5.5 | 17.8 |
| 12 27 | 6 26.84 | +20 43.2 | 1.463 | 2.446 | 1.1 | 17.5 |
| 1 6 | 6 15.99 | +20 52.5 | 1.475 | 2.445 | 4.8 | 17.8 |
| 1 16 | 6 6.42 | +21 1.8 | 1.514 | 2.444 | 9.6 | 18.1 |
| 1 26 | 5 59.30 | +21 11.0 | 1.577 | 2.442 | 13.8 | 18.3 |
| 2 5 | 5 55.29 | +21 20.6 | 1.662 | 2.441 | 17.3 | 18.6 |

**79332** 1996 $TY_2$ 12 27.6 56.°93 0.°7/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.46 | +20 59.4 | 2.110 | 2.961 | 11.5 | 19.7 |
| 12 7 | 6 43.38 | +21 2.6 | 2.054 | 2.975 | 8.1 | 19.5 |
| 12 17 | 6 35.52 | +21 7.9 | 2.023 | 2.990 | 4.3 | 19.3 |
| 12 27 | 6 26.73 | +21 14.3 | 2.022 | 3.005 | 0.7 | 19.0 |
| 1 6 | 6 18.00 | +21 20.6 | 2.050 | 3.020 | 3.7 | 19.3 |
| 1 16 | 6 10.28 | +21 26.6 | 2.107 | 3.035 | 7.4 | 19.6 |
| 1 26 | 6 4.38 | +21 32.4 | 2.191 | 3.050 | 10.7 | 19.8 |
| 2 5 | 6 0.77 | +21 38.1 | 2.297 | 3.065 | 13.4 | 20.0 |

**438026** 2004 $DJ_6$ 12 27.6 354.°44 5.°8/27.4 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.56 | +35 22.3 | 1.328 | 2.186 | 16.4 | 20.7 |
| 12 7 | 6 50.41 | +35 54.1 | 1.267 | 2.185 | 12.3 | 20.4 |
| 12 17 | 6 39.73 | +36 13.4 | 1.228 | 2.184 | 8.2 | 20.2 |
| 12 27 | 6 26.98 | +36 13.0 | 1.213 | 2.183 | 5.8 | 20.1 |
| 1 6 | 6 14.19 | +35 50.2 | 1.225 | 2.183 | 7.9 | 20.2 |
| 1 16 | 6 3.35 | +35 7.8 | 1.262 | 2.182 | 12.0 | 20.4 |
| 1 26 | 5 55.98 | +34 12.5 | 1.322 | 2.183 | 16.2 | 20.7 |
| 2 5 | 5 52.73 | +33 11.9 | 1.400 | 2.183 | 19.7 | 20.9 |

**483478** 2002 $PE_{142}$ 12 27.6 69.°02 6.°9/28.1 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 7 2.63 | +42 8.0 | 1.679 | 2.506 | 15.1 | 21.1 |
| 12 7 | 6 53.08 | +42 22.6 | 1.640 | 2.533 | 11.7 | 20.9 |
| 12 17 | 6 40.67 | +42 18.2 | 1.624 | 2.560 | 8.6 | 20.8 |
| 12 27 | 6 27.01 | +41 49.8 | 1.635 | 2.587 | 6.9 | 20.7 |
| 1 6 | 6 13.98 | +40 57.8 | 1.674 | 2.614 | 8.0 | 20.9 |
| 1 16 | 6 3.14 | +39 47.3 | 1.740 | 2.640 | 10.6 | 21.1 |
| 1 26 | 5 55.57 | +38 26.3 | 1.831 | 2.666 | 13.6 | 21.3 |
| 2 5 | 5 51.61 | +37 2.3 | 1.943 | 2.692 | 16.1 | 21.6 |

**158066** 2000 $TN_{58}$ 12 27.6 135.°60 4.°0/27.0 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.20 | +33 42.5 | 2.135 | 2.970 | 12.0 | 21.3 |
| 12 7 | 6 49.75 | +34 33.1 | 2.079 | 2.987 | 8.8 | 21.2 |
| 12 17 | 6 38.99 | +35 15.9 | 2.049 | 3.002 | 5.7 | 21.0 |
| 12 27 | 6 26.94 | +35 45.9 | 2.049 | 3.017 | 4.0 | 20.9 |
| 1 6 | 6 14.91 | +36 0.6 | 2.079 | 3.030 | 5.7 | 21.1 |
| 1 16 | 6 4.16 | +36 0.3 | 2.138 | 3.044 | 8.6 | 21.3 |
| 1 26 | 5 55.71 | +35 48.1 | 2.224 | 3.056 | 11.6 | 21.5 |
| 2 5 | 5 50.16 | +35 28.2 | 2.332 | 3.067 | 14.1 | 21.7 |

**339021** 2004 $HC_{10}$ 12 27.6 230.°96 2.°0/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.07 | +26 51.3 | 1.903 | 2.750 | 12.7 | 21.5 |
| 12 7 | 6 48.64 | +27 31.2 | 1.819 | 2.738 | 9.1 | 21.3 |
| 12 17 | 6 38.62 | +28 10.2 | 1.760 | 2.725 | 5.1 | 21.0 |
| 12 27 | 6 26.94 | +28 44.0 | 1.730 | 2.711 | 2.0 | 20.8 |
| 1 6 | 6 14.90 | +29 8.9 | 1.731 | 2.696 | 4.9 | 21.0 |
| 1 16 | 6 3.88 | +29 23.9 | 1.760 | 2.681 | 9.1 | 21.2 |
| 1 26 | 5 55.12 | +29 30.2 | 1.815 | 2.665 | 13.0 | 21.4 |
| 2 5 | 5 49.39 | +29 30.4 | 1.892 | 2.648 | 16.2 | 21.6 |

**360636** 2004 $FA_{130}$ 12 27.6 228.°58 3.°9/28.4 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.22 | +10 14.8 | 2.209 | 3.036 | 11.9 | 21.4 |
| 12 7 | 6 44.00 | +10 22.9 | 2.126 | 3.027 | 9.0 | 21.1 |
| 12 17 | 6 35.95 | +10 42.1 | 2.069 | 3.019 | 5.9 | 20.9 |
| 12 27 | 6 26.78 | +11 12.3 | 2.041 | 3.010 | 3.9 | 20.8 |
| 1 6 | 6 17.42 | +11 52.2 | 2.043 | 3.000 | 5.2 | 20.9 |
| 1 16 | 6 8.81 | +12 39.7 | 2.074 | 2.991 | 8.2 | 21.0 |
| 1 26 | 6 1.83 | +13 32.2 | 2.132 | 2.980 | 11.4 | 21.2 |
| 2 5 | 5 57.07 | +14 27.1 | 2.213 | 2.970 | 14.2 | 21.4 |

**208834** 2002 $RN_{114}$ 12 27.6 113.°16 6.°5/28.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.91 | + 4 7.7 | 2.060 | 2.869 | 13.4 | 20.4 |
| 12 7 | 6 44.33 | + 3 43.5 | 2.005 | 2.885 | 10.6 | 20.3 |
| 12 17 | 6 36.01 | + 3 34.8 | 1.974 | 2.901 | 8.0 | 20.2 |
| 12 27 | 6 26.78 | + 3 43.1 | 1.971 | 2.916 | 6.5 | 20.1 |
| 1 6 | 6 17.61 | + 4 7.8 | 1.996 | 2.931 | 7.2 | 20.2 |
| 1 16 | 6 9.43 | + 4 46.8 | 2.049 | 2.945 | 9.5 | 20.3 |
| 1 26 | 6 3.02 | + 5 36.8 | 2.128 | 2.959 | 12.1 | 20.5 |
| 2 5 | 5 58.86 | + 6 33.7 | 2.229 | 2.973 | 14.4 | 20.7 |

**369800** 2012 $HS_{28}$ 12 27.6 105.°66 0.°4/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.32 | +23 3.3 | 2.586 | 3.429 | 9.9 | 21.0 |
| 12 7 | 6 43.78 | +23 33.8 | 2.529 | 3.447 | 6.9 | 20.8 |
| 12 17 | 6 35.69 | +24 5.1 | 2.498 | 3.465 | 3.7 | 20.6 |
| 12 27 | 6 26.77 | +24 35.0 | 2.499 | 3.482 | 0.4 | 20.4 |
| 1 6 | 6 17.86 | +25 1.6 | 2.530 | 3.499 | 3.3 | 20.7 |
| 1 16 | 6 9.79 | +25 24.1 | 2.592 | 3.515 | 6.4 | 20.9 |
| 1 26 | 6 3.27 | +25 42.5 | 2.682 | 3.532 | 9.3 | 21.1 |
| 2 5 | 5 58.76 | +25 57.6 | 2.796 | 3.548 | 11.6 | 21.3 |

**230620** 2003 $FH_{130}$ 12 27.6 216.°77 1.°2/27.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.49 | +19 28.7 | 1.851 | 2.699 | 13.0 | 21.6 |
| 12 7 | 6 46.62 | +19 33.0 | 1.774 | 2.694 | 9.3 | 21.3 |
| 12 17 | 6 37.45 | +19 41.4 | 1.722 | 2.687 | 5.1 | 21.1 |
| 12 27 | 6 26.89 | +19 52.4 | 1.698 | 2.681 | 1.3 | 20.8 |
| 1 6 | 6 16.14 | +20 4.7 | 1.704 | 2.673 | 4.5 | 21.0 |
| 1 16 | 6 6.44 | +20 17.4 | 1.739 | 2.666 | 8.8 | 21.2 |
| 1 26 | 5 58.87 | +20 30.4 | 1.800 | 2.658 | 12.7 | 21.4 |
| 2 5 | 5 54.07 | +20 43.8 | 1.882 | 2.649 | 15.9 | 21.7 |

**437990** 2003 $TT_{17}$ 12 27.6 88.°44 0.°4/27.6 15

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.05 | +24 14.9 | 1.797 | 2.646 | 13.2 | 21.6 |
| 12 7 | 6 48.11 | +24 19.2 | 1.752 | 2.673 | 9.3 | 21.4 |
| 12 17 | 6 38.03 | +24 22.4 | 1.733 | 2.699 | 4.9 | 21.2 |
| 12 27 | 6 26.92 | +24 22.6 | 1.742 | 2.726 | 0.5 | 20.9 |
| 1 6 | 6 16.07 | +24 18.8 | 1.782 | 2.751 | 4.2 | 21.2 |
| 1 16 | 6 6.66 | +24 11.6 | 1.850 | 2.777 | 8.4 | 21.5 |
| 1 26 | 5 59.62 | +24 2.5 | 1.945 | 2.801 | 11.9 | 21.8 |
| 2 5 | 5 55.40 | +23 53.3 | 2.061 | 2.825 | 14.8 | 22.1 |

**161494** 2004 $LN_{14}$ 12 27.6 286.°37 0.°6/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.96 | +22 0.5 | 1.881 | 2.734 | 12.6 | 19.7 |
| 12 7 | 6 45.73 | +22 55.5 | 1.798 | 2.720 | 9.0 | 19.5 |
| 12 17 | 6 37.09 | +23 55.7 | 1.740 | 2.707 | 4.8 | 19.2 |
| 12 27 | 6 26.88 | +24 56.8 | 1.710 | 2.693 | 0.7 | 18.8 |
| 1 6 | 6 16.29 | +25 54.6 | 1.711 | 2.680 | 4.4 | 19.1 |
| 1 16 | 6 6.57 | +26 46.0 | 1.740 | 2.666 | 8.8 | 19.3 |
| 1 26 | 5 58.91 | +27 29.8 | 1.795 | 2.653 | 12.7 | 19.5 |
| 2 5 | 5 54.07 | +28 6.4 | 1.872 | 2.640 | 16.0 | 19.7 |

**44109** 1998 $HO_5$ 12 27.6 11.°45 4.°6/28.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.08 | +13 50.5 | 1.121 | 1.990 | 18.0 | 18.0 |
| 12 7 | 6 45.69 | +13 37.7 | 1.065 | 1.991 | 13.3 | 17.7 |
| 12 17 | 6 37.20 | +13 39.1 | 1.031 | 1.993 | 8.2 | 17.4 |
| 12 27 | 6 26.89 | +13 55.1 | 1.020 | 1.996 | 4.6 | 17.2 |
| 1 6 | 6 16.51 | +14 23.9 | 1.033 | 2.000 | 7.1 | 17.4 |
| 1 16 | 6 7.77 | +15 2.7 | 1.071 | 2.005 | 12.1 | 17.7 |
| 1 26 | 6 2.05 | +15 47.8 | 1.130 | 2.011 | 16.8 | 18.0 |
| 2 5 | 6 0.02 | +16 35.6 | 1.208 | 2.017 | 20.8 | 18.3 |

**307412** 2002 $TR_{184}$ 12 27.6 106.°82 1.°1/27.7 16

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.82 | +19 56.3 | 2.107 | 2.949 | 11.8 | 21.6 |
| 12 7 | 6 46.34 | +19 52.8 | 2.055 | 2.972 | 8.4 | 21.4 |
| 12 17 | 6 37.06 | +19 51.9 | 2.030 | 2.995 | 4.5 | 21.2 |
| 12 27 | 6 26.88 | +19 52.4 | 2.035 | 3.017 | 1.2 | 21.0 |
| 1 6 | 6 16.85 | +19 53.8 | 2.070 | 3.039 | 3.9 | 21.3 |
| 1 16 | 6 7.97 | +19 55.8 | 2.136 | 3.060 | 7.6 | 21.5 |
| 1 26 | 6 1.03 | +19 58.7 | 2.228 | 3.080 | 10.8 | 21.8 |
| 2 5 | 5 56.49 | +20 2.8 | 2.343 | 3.100 | 13.5 | 22.0 |

**280670** 2005 $ES_{153}$ 12 27.6 254.°64 2.°9/28.5 16

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.76 | +10 59.0 | 2.835 | 3.656 | 9.8 | 21.7 |
| 12 7 | 6 42.75 | +11 23.1 | 2.738 | 3.637 | 7.3 | 21.5 |
| 12 17 | 6 35.24 | +11 56.3 | 2.667 | 3.617 | 4.7 | 21.3 |
| 12 27 | 6 26.78 | +12 38.0 | 2.627 | 3.598 | 2.9 | 21.2 |
| 1 6 | 6 18.09 | +13 26.8 | 2.618 | 3.578 | 4.0 | 21.2 |
| 1 16 | 6 9.90 | +14 20.6 | 2.641 | 3.557 | 6.7 | 21.4 |
| 1 26 | 6 2.93 | +15 17.2 | 2.692 | 3.536 | 9.4 | 21.5 |
| 2 5 | 5 57.70 | +16 14.8 | 2.768 | 3.515 | 11.9 | 21.7 |

**4468** Pogrebetskij 12 27.6 356.°64 0.°4/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.67 | +23 33.2 | 1.101 | 1.982 | 17.3 | 16.6 |
| 12 7 | 6 45.68 | +23 44.6 | 1.042 | 1.978 | 12.3 | 16.3 |
| 12 17 | 6 37.31 | +23 58.0 | 1.004 | 1.974 | 6.6 | 16.0 |
| 12 27 | 6 26.91 | +24 10.0 | 0.989 | 1.972 | 0.6 | 15.6 |
| 1 6 | 6 16.34 | +24 18.0 | 0.999 | 1.971 | 5.9 | 15.9 |
| 1 16 | 6 7.52 | +24 21.5 | 1.032 | 1.972 | 11.7 | 16.3 |
| 1 26 | 6 1.95 | +24 21.7 | 1.087 | 1.973 | 16.9 | 16.6 |
| 2 5 | 6 0.35 | +24 20.4 | 1.160 | 1.976 | 21.0 | 16.8 |

**114050** 2002 $VT_{18}$ 12 27.6 0.°42 1.°5/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.49 | +19 38.4 | 2.004 | 2.857 | 11.9 | 19.4 |
| 12 7 | 6 42.88 | +19 24.1 | 1.935 | 2.856 | 8.5 | 19.2 |
| 12 17 | 6 35.37 | +19 12.8 | 1.890 | 2.856 | 4.7 | 19.0 |
| 12 27 | 6 26.79 | +19 4.1 | 1.874 | 2.856 | 1.5 | 18.7 |
| 1 6 | 6 18.17 | +18 57.9 | 1.887 | 2.856 | 4.1 | 18.9 |
| 1 16 | 6 10.52 | +18 54.1 | 1.928 | 2.857 | 8.0 | 19.2 |
| 1 26 | 6 4.70 | +18 53.0 | 1.996 | 2.858 | 11.4 | 19.4 |
| 2 5 | 6 1.26 | +18 54.3 | 2.085 | 2.859 | 14.4 | 19.6 |

**68182** 2001 $BS_{49}$ 12 27.6 102.°29 0.°8/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.82 | +22 45.0 | 1.844 | 2.691 | 13.0 | 18.8 |
| 12 7 | 6 47.92 | +22 12.2 | 1.790 | 2.710 | 9.2 | 18.6 |
| 12 17 | 6 37.94 | +21 38.8 | 1.761 | 2.727 | 4.9 | 18.4 |
| 12 27 | 6 26.94 | +21 4.7 | 1.762 | 2.745 | 0.9 | 18.2 |
| 1 6 | 6 16.17 | +20 30.8 | 1.793 | 2.762 | 4.3 | 18.5 |
| 1 16 | 6 6.78 | +19 58.7 | 1.853 | 2.779 | 8.4 | 18.7 |
| 1 26 | 5 59.66 | +19 30.3 | 1.939 | 2.795 | 12.0 | 19.0 |
| 2 5 | 5 55.29 | +19 6.7 | 2.048 | 2.811 | 15.0 | 19.2 |

**313560** 2003 $BD_{75}$ 12 27.6 24.°26 5.°7/26.8 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.91 | +34 42.5 | 1.518 | 2.375 | 14.8 | 20.1 |
| 12 7 | 6 47.52 | +35 47.5 | 1.465 | 2.381 | 11.1 | 19.9 |
| 12 17 | 6 38.11 | +36 43.2 | 1.435 | 2.389 | 7.5 | 19.7 |
| 12 27 | 6 26.96 | +37 22.2 | 1.431 | 2.397 | 5.7 | 19.6 |
| 1 6 | 6 15.74 | +37 40.6 | 1.454 | 2.405 | 7.6 | 19.8 |
| 1 16 | 6 6.14 | +37 38.6 | 1.502 | 2.415 | 11.1 | 20.0 |
| 1 26 | 5 59.47 | +37 20.6 | 1.574 | 2.424 | 14.6 | 20.2 |
| 2 5 | 5 56.39 | +36 52.2 | 1.665 | 2.435 | 17.6 | 20.5 |

**181469** 2006 $TK_{63}$ 12 27.6 99.°52 0.°3/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.70 | +24 22.9 | 1.415 | 2.275 | 15.5 | 20.0 |
| 12 7 | 6 49.21 | +24 18.0 | 1.358 | 2.284 | 11.0 | 19.7 |
| 12 17 | 6 38.88 | +24 12.0 | 1.326 | 2.294 | 5.8 | 19.5 |
| 12 27 | 6 27.00 | +24 2.5 | 1.320 | 2.303 | 0.5 | 19.1 |
| 1 6 | 6 15.24 | +23 48.8 | 1.341 | 2.312 | 5.1 | 19.5 |
| 1 16 | 6 5.16 | +23 32.2 | 1.390 | 2.321 | 10.2 | 19.8 |
| 1 26 | 5 57.98 | +23 14.8 | 1.463 | 2.330 | 14.5 | 20.1 |
| 2 5 | 5 54.26 | +22 58.9 | 1.556 | 2.338 | 18.1 | 20.3 |

**460929** 2014 $WO_{230}$ 12 27.6 19.°03 2.°2/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.53 | +18 25.5 | 2.060 | 2.908 | 11.8 | 20.7 |
| 12 7 | 6 43.51 | +17 51.2 | 1.992 | 2.911 | 8.5 | 20.5 |
| 12 17 | 6 35.66 | +17 19.9 | 1.950 | 2.913 | 4.9 | 20.3 |
| 12 27 | 6 26.83 | +16 52.3 | 1.937 | 2.916 | 2.2 | 20.1 |
| 1 6 | 6 18.00 | +16 29.1 | 1.953 | 2.919 | 4.4 | 20.3 |
| 1 16 | 6 10.16 | +16 11.0 | 1.998 | 2.922 | 8.0 | 20.5 |
| 1 26 | 6 4.14 | +15 58.4 | 2.069 | 2.926 | 11.3 | 20.7 |
| 2 5 | 6 0.43 | +15 51.1 | 2.162 | 2.929 | 14.1 | 20.9 |

**78230** 2002 $OK_{14}$ 12 27.6 68.°92 6.°9/29.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.67 | + 1 40.6 | 2.207 | 3.008 | 12.8 | 19.4 |
| 12 7 | 6 42.03 | + 1 15.3 | 2.149 | 3.019 | 10.4 | 19.2 |
| 12 17 | 6 34.83 | + 1 6.3 | 2.115 | 3.030 | 8.2 | 19.1 |
| 12 27 | 6 26.78 | + 1 15.4 | 2.108 | 3.041 | 7.0 | 19.1 |
| 1 6 | 6 18.74 | + 1 42.1 | 2.128 | 3.053 | 7.5 | 19.1 |
| 1 16 | 6 11.54 | + 2 24.5 | 2.176 | 3.064 | 9.4 | 19.2 |
| 1 26 | 6 5.91 | + 3 19.1 | 2.249 | 3.075 | 11.7 | 19.4 |
| 2 5 | 6 2.32 | + 4 21.6 | 2.344 | 3.086 | 13.8 | 19.6 |

**251502** 2008 $EU_{128}$ 12 27.6 93.°23 3.°0/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.42 | +30 17.1 | 1.936 | 2.785 | 12.4 | 20.4 |
| 12 7 | 6 46.56 | +30 53.2 | 1.874 | 2.792 | 8.9 | 20.2 |
| 12 17 | 6 37.40 | +31 24.4 | 1.837 | 2.799 | 5.3 | 20.0 |
| 12 27 | 6 26.93 | +31 46.7 | 1.829 | 2.805 | 3.0 | 19.9 |
| 1 6 | 6 16.43 | +31 57.7 | 1.850 | 2.812 | 5.1 | 20.0 |
| 1 16 | 6 7.13 | +31 57.4 | 1.899 | 2.819 | 8.7 | 20.2 |
| 1 26 | 6 0.07 | +31 48.0 | 1.974 | 2.825 | 12.0 | 20.5 |
| 2 5 | 5 55.85 | +31 32.8 | 2.071 | 2.831 | 14.9 | 20.7 |

**154819** 2004 $QN_{9}$ 12 27.6 124.°38 3.°2/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.68 | +31 2.9 | 1.869 | 2.713 | 13.0 | 20.3 |
| 12 7 | 6 49.52 | +31 34.1 | 1.813 | 2.729 | 9.4 | 20.1 |
| 12 17 | 6 38.93 | +31 58.8 | 1.784 | 2.744 | 5.6 | 19.9 |
| 12 27 | 6 27.03 | +32 12.5 | 1.782 | 2.758 | 3.2 | 19.8 |
| 1 6 | 6 15.23 | +32 13.5 | 1.811 | 2.772 | 5.3 | 19.9 |
| 1 16 | 6 4.87 | +32 2.5 | 1.868 | 2.785 | 8.9 | 20.2 |
| 1 26 | 5 56.99 | +31 42.7 | 1.951 | 2.798 | 12.3 | 20.4 |
| 2 5 | 5 52.16 | +31 18.1 | 2.056 | 2.810 | 15.2 | 20.6 |

**100488** 1996 $VS_{11}$ 12 27.6 178.°05 4.°9/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.84 | +38 12.9 | 2.383 | 3.210 | 11.2 | 20.2 |
| 12 7 | 6 48.11 | +38 49.8 | 2.314 | 3.211 | 8.6 | 20.0 |
| 12 17 | 6 38.18 | +39 16.6 | 2.271 | 3.212 | 6.1 | 19.9 |
| 12 27 | 6 27.00 | +39 28.8 | 2.257 | 3.213 | 4.9 | 19.8 |
| 1 6 | 6 15.76 | +39 24.6 | 2.272 | 3.213 | 6.1 | 19.9 |
| 1 16 | 6 5.65 | +39 4.8 | 2.316 | 3.213 | 8.5 | 20.0 |
| 1 26 | 5 57.65 | +38 32.6 | 2.387 | 3.212 | 11.1 | 20.2 |
| 2 5 | 5 52.36 | +37 52.8 | 2.480 | 3.211 | 13.5 | 20.4 |

**462514** 2008 $WA_{106}$ 12 27.6 356.°47 5.°5/26.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.73 | +37 40.2 | 2.179 | 3.016 | 11.7 | 20.5 |
| 12 7 | 6 46.19 | +38 44.9 | 2.113 | 3.015 | 9.0 | 20.3 |
| 12 17 | 6 37.29 | +39 40.6 | 2.072 | 3.014 | 6.5 | 20.2 |
| 12 27 | 6 26.95 | +40 21.8 | 2.060 | 3.014 | 5.5 | 20.1 |
| 1 6 | 6 16.42 | +40 45.1 | 2.075 | 3.013 | 6.8 | 20.2 |
| 1 16 | 6 6.95 | +40 50.4 | 2.119 | 3.013 | 9.3 | 20.3 |
| 1 26 | 5 59.65 | +40 40.3 | 2.187 | 3.013 | 12.0 | 20.5 |
| 2 5 | 5 55.20 | +40 19.2 | 2.277 | 3.014 | 14.4 | 20.7 |

**251197** 2006 $UR_{125}$ 12 27.6 144.°14 5.°0/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.32 | +38 45.5 | 2.454 | 3.276 | 11.0 | 21.4 |
| 12 7 | 6 49.06 | +39 31.9 | 2.395 | 3.288 | 8.5 | 21.3 |
| 12 17 | 6 38.65 | +40 7.7 | 2.362 | 3.300 | 6.1 | 21.1 |
| 12 27 | 6 27.03 | +40 28.5 | 2.359 | 3.311 | 5.0 | 21.1 |
| 1 6 | 6 15.42 | +40 32.1 | 2.385 | 3.321 | 6.1 | 21.2 |
| 1 16 | 6 4.98 | +40 19.4 | 2.441 | 3.331 | 8.4 | 21.3 |
| 1 26 | 5 56.67 | +39 53.8 | 2.523 | 3.340 | 10.8 | 21.5 |
| 2 5 | 5 51.07 | +39 19.8 | 2.627 | 3.349 | 13.0 | 21.7 |

**227706** 2006 $DG_{93}$ 12 27.6 275.°90 1.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.43 | +26 2.1 | 2.205 | 3.055 | 11.1 | 20.9 |
| 12 7 | 6 44.25 | +26 15.0 | 2.129 | 3.050 | 7.9 | 20.7 |
| 12 17 | 6 36.14 | +26 26.4 | 2.079 | 3.045 | 4.3 | 20.5 |
| 12 27 | 6 26.89 | +26 34.1 | 2.057 | 3.040 | 1.1 | 20.2 |
| 1 6 | 6 17.53 | +26 36.8 | 2.066 | 3.034 | 3.9 | 20.4 |
| 1 16 | 6 9.09 | +26 34.5 | 2.104 | 3.029 | 7.6 | 20.7 |
| 1 26 | 6 2.46 | +26 28.1 | 2.168 | 3.024 | 10.9 | 20.9 |
| 2 5 | 5 58.21 | +26 19.4 | 2.255 | 3.019 | 13.7 | 21.1 |

**514866** 2008 $GU_{92}$ 12 27.6 252.°78 14.°9/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.76 | −12 44.5 | 1.721 | 2.456 | 18.4 | 21.6 |
| 12 7 | 6 45.56 | −14 18.6 | 1.651 | 2.443 | 16.8 | 21.4 |
| 12 17 | 6 37.01 | −15 24.0 | 1.600 | 2.428 | 15.5 | 21.3 |
| 12 27 | 6 26.95 | −15 52.6 | 1.570 | 2.414 | 14.9 | 21.2 |
| 1 6 | 6 16.59 | −15 40.6 | 1.562 | 2.399 | 15.3 | 21.2 |
| 1 16 | 6 7.18 | −14 49.0 | 1.575 | 2.383 | 16.6 | 21.3 |
| 1 26 | 5 59.83 | −13 23.7 | 1.608 | 2.368 | 18.5 | 21.4 |
| 2 5 | 5 55.29 | −11 33.8 | 1.658 | 2.352 | 20.4 | 21.5 |

**129719** 1998 $UG_{14}$ 12 27.6 345.°45 0.°5/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.73 | +21 25.2 | 1.746 | 2.606 | 13.0 | 20.1 |
| 12 7 | 6 43.40 | +21 32.1 | 1.673 | 2.599 | 9.2 | 19.8 |
| 12 17 | 6 35.81 | +21 41.8 | 1.624 | 2.592 | 5.0 | 19.5 |
| 12 27 | 6 26.88 | +21 52.9 | 1.603 | 2.586 | 0.6 | 19.2 |
| 1 6 | 6 17.79 | +22 3.7 | 1.610 | 2.581 | 4.4 | 19.5 |
| 1 16 | 6 9.77 | +22 13.6 | 1.644 | 2.576 | 8.8 | 19.7 |
| 1 26 | 6 3.85 | +22 22.6 | 1.704 | 2.572 | 12.7 | 20.0 |
| 2 5 | 6 0.68 | +22 31.0 | 1.784 | 2.569 | 16.0 | 20.2 |

**444433** 2006 $BE_{180}$ 12 27.6 185.°92 0.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.94 | +22 8.6 | 2.020 | 2.866 | 12.1 | 22.0 |
| 12 7 | 6 46.81 | +22 23.0 | 1.947 | 2.866 | 8.6 | 21.8 |
| 12 17 | 6 37.54 | +22 39.0 | 1.899 | 2.866 | 4.6 | 21.6 |
| 12 27 | 6 27.02 | +22 54.5 | 1.881 | 2.865 | 0.3 | 21.2 |
| 1 6 | 6 16.38 | +23 7.9 | 1.893 | 2.863 | 4.0 | 21.5 |
| 1 16 | 6 6.76 | +23 18.3 | 1.935 | 2.861 | 8.1 | 21.8 |
| 1 26 | 5 59.16 | +23 26.4 | 2.003 | 2.858 | 11.7 | 22.0 |
| 2 5 | 5 54.18 | +23 32.9 | 2.094 | 2.855 | 14.7 | 22.2 |

**167692** 2004 $QG_{17}$ 12 27.6 127.°72 15.°5/26.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.63 | − 2 50.9 | 1.153 | 1.961 | 21.7 | 19.9 |
| 12 7 | 6 50.77 | − 5 33.8 | 1.110 | 1.970 | 18.7 | 19.8 |
| 12 17 | 6 39.82 | − 7 47.3 | 1.087 | 1.978 | 16.4 | 19.6 |
| 12 27 | 6 27.15 | − 9 19.0 | 1.086 | 1.986 | 15.5 | 19.6 |
| 1 6 | 6 14.58 | −10 2.6 | 1.107 | 1.993 | 16.5 | 19.7 |
| 1 16 | 6 3.80 | − 9 59.4 | 1.149 | 2.000 | 18.7 | 19.9 |
| 1 26 | 5 56.14 | − 9 17.5 | 1.209 | 2.007 | 21.3 | 20.1 |
| 2 5 | 5 52.22 | − 8 8.4 | 1.283 | 2.013 | 23.8 | 20.3 |

**166375** 2002 $LS_{39}$ 12 27.6 212.°82 4.°1/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.69 | +11 51.7 | 2.083 | 2.914 | 12.4 | 20.9 |
| 12 7 | 6 45.12 | +11 26.4 | 2.004 | 2.908 | 9.3 | 20.6 |
| 12 17 | 6 36.61 | +11 9.7 | 1.951 | 2.902 | 6.1 | 20.4 |
| 12 27 | 6 26.97 | +11 2.6 | 1.927 | 2.895 | 4.2 | 20.3 |
| 1 6 | 6 17.19 | +11 5.4 | 1.932 | 2.888 | 5.6 | 20.4 |
| 1 16 | 6 8.29 | +11 17.4 | 1.965 | 2.880 | 8.8 | 20.6 |
| 1 26 | 6 1.16 | +11 37.4 | 2.025 | 2.871 | 12.0 | 20.7 |
| 2 5 | 5 56.39 | +12 3.4 | 2.108 | 2.862 | 14.8 | 20.9 |

**360911** 2005 $SX_{235}$ 12 27.6 117.°24 1.°8/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.09 | +18 6.7 | 2.131 | 2.975 | 11.7 | 21.2 |
| 12 7 | 6 44.56 | +17 54.0 | 2.068 | 2.984 | 8.3 | 21.0 |
| 12 17 | 6 36.24 | +17 45.1 | 2.031 | 2.994 | 4.7 | 20.8 |
| 12 27 | 6 26.95 | +17 39.9 | 2.023 | 3.003 | 1.9 | 20.6 |
| 1 6 | 6 17.69 | +17 38.0 | 2.045 | 3.012 | 4.1 | 20.8 |
| 1 16 | 6 9.42 | +17 39.2 | 2.096 | 3.020 | 7.7 | 21.1 |
| 1 26 | 6 2.96 | +17 43.3 | 2.174 | 3.029 | 10.9 | 21.3 |
| 2 5 | 5 58.79 | +17 50.0 | 2.274 | 3.037 | 13.7 | 21.5 |

**244926** 2003 $WN_{190}$ 12 27.6 35.°08 2.°0/26.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 7 1.46 | +16 6.6 | 0.948 | 1.816 | 20.6 | 19.1 |
| 12 7 | 6 54.18 | +19 24.2 | 0.892 | 1.822 | 14.7 | 18.8 |
| 12 17 | 6 42.37 | +23 9.9 | 0.860 | 1.829 | 7.7 | 18.4 |
| 12 27 | 6 27.36 | +27 3.1 | 0.854 | 1.837 | 2.0 | 18.1 |
| 1 6 | 6 11.55 | +30 38.8 | 0.877 | 1.845 | 7.9 | 18.5 |
| 1 16 | 5 57.65 | +33 39.2 | 0.927 | 1.854 | 14.5 | 18.9 |
| 1 26 | 5 47.96 | +35 59.5 | 0.999 | 1.863 | 19.9 | 19.2 |
| 2 5 | 5 43.59 | +37 44.6 | 1.088 | 1.873 | 24.1 | 19.6 |

**59005** 1998 $SW_{54}$ 12 27.6 139.°12 1.°5/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.80 | +18 19.2 | 2.251 | 3.090 | 11.3 | 20.3 |
| 12 7 | 6 45.69 | +18 20.9 | 2.189 | 3.103 | 8.1 | 20.1 |
| 12 17 | 6 36.82 | +18 26.4 | 2.153 | 3.116 | 4.5 | 19.9 |
| 12 27 | 6 27.01 | +18 34.8 | 2.147 | 3.128 | 1.5 | 19.7 |
| 1 6 | 6 17.22 | +18 45.1 | 2.172 | 3.139 | 3.9 | 19.9 |
| 1 16 | 6 8.41 | +18 56.6 | 2.226 | 3.150 | 7.3 | 20.2 |
| 1 26 | 6 1.36 | +19 9.2 | 2.309 | 3.160 | 10.5 | 20.4 |
| 2 5 | 5 56.58 | +19 22.5 | 2.414 | 3.169 | 13.2 | 20.6 |

**113938** 2002 $TN_{294}$ 12 27.6 135.°55 5.°2/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.84 | +38 40.9 | 2.205 | 3.031 | 12.0 | 19.5 |
| 12 7 | 6 49.56 | +39 14.5 | 2.146 | 3.043 | 9.2 | 19.4 |
| 12 17 | 6 38.97 | +39 36.4 | 2.113 | 3.054 | 6.5 | 19.2 |
| 12 27 | 6 27.14 | +39 42.0 | 2.109 | 3.065 | 5.2 | 19.2 |
| 1 6 | 6 15.38 | +39 29.8 | 2.134 | 3.075 | 6.4 | 19.3 |
| 1 16 | 6 4.98 | +39 1.3 | 2.187 | 3.085 | 8.9 | 19.4 |
| 1 26 | 5 56.95 | +38 20.6 | 2.267 | 3.094 | 11.6 | 19.6 |
| 2 5 | 5 51.83 | +37 33.1 | 2.369 | 3.103 | 13.9 | 19.8 |

**213927** 2003 $UW_{265}$ 12 27.6 345.°68 0.°8/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.38 | +22 27.6 | 1.322 | 2.194 | 15.6 | 19.6 |
| 12 7 | 6 45.11 | +22 8.8 | 1.253 | 2.185 | 11.2 | 19.3 |
| 12 17 | 6 36.94 | +21 50.8 | 1.207 | 2.176 | 6.0 | 19.0 |
| 12 27 | 6 27.03 | +21 32.9 | 1.186 | 2.169 | 0.9 | 18.6 |
| 1 6 | 6 16.96 | +21 14.9 | 1.191 | 2.163 | 5.3 | 18.9 |
| 1 16 | 6 8.33 | +20 57.9 | 1.222 | 2.158 | 10.7 | 19.2 |
| 1 26 | 6 2.46 | +20 43.4 | 1.275 | 2.154 | 15.4 | 19.4 |
| 2 5 | 6 0.04 | +20 32.4 | 1.347 | 2.151 | 19.3 | 19.7 |

**136319** 2004 $BA_{61}$ 12 27.6 121.°14 0.°4/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.18 | +24 2.1 | 1.904 | 2.755 | 12.5 | 20.7 |
| 12 7 | 6 46.31 | +24 9.8 | 1.841 | 2.762 | 8.8 | 20.5 |
| 12 17 | 6 37.28 | +24 17.2 | 1.802 | 2.769 | 4.7 | 20.3 |
| 12 27 | 6 27.05 | +24 22.2 | 1.793 | 2.776 | 0.5 | 20.0 |
| 1 6 | 6 16.83 | +24 23.7 | 1.813 | 2.783 | 4.1 | 20.3 |
| 1 16 | 6 7.78 | +24 21.6 | 1.862 | 2.789 | 8.3 | 20.6 |
| 1 26 | 6 0.86 | +24 17.0 | 1.937 | 2.795 | 11.9 | 20.8 |
| 2 5 | 5 56.63 | +24 11.5 | 2.034 | 2.801 | 14.9 | 21.0 |

**409452** 2005 $QC_{134}$ 12 27.6 216.°96 5.°1/28.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 1.09 | +45 6.2 | 2.369 | 3.171 | 12.0 | 21.3 |
| 12 7 | 6 52.03 | +46 0.7 | 2.311 | 3.181 | 9.8 | 21.2 |
| 12 17 | 6 40.37 | +46 39.8 | 2.278 | 3.190 | 7.9 | 21.1 |
| 12 27 | 6 27.25 | +46 57.9 | 2.273 | 3.198 | 7.1 | 21.0 |
| 1 6 | 6 14.13 | +46 52.4 | 2.296 | 3.206 | 7.9 | 21.1 |
| 1 16 | 6 2.44 | +46 25.1 | 2.348 | 3.213 | 9.8 | 21.2 |
| 1 26 | 5 53.32 | +45 40.7 | 2.424 | 3.219 | 11.9 | 21.4 |
| 2 5 | 5 47.38 | +44 45.8 | 2.522 | 3.225 | 13.9 | 21.5 |

**136550** 6747 *P–L* 12 27.6 152.°45 7.°1/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 1.09 | +45 6.2 | 2.369 | 3.171 | 12.0 | 21.3 |
| 12 7 | 6 52.03 | +46 0.7 | 2.311 | 3.181 | 9.8 | 21.2 |
| 12 17 | 6 40.37 | +46 39.8 | 2.278 | 3.190 | 7.9 | 21.1 |
| 12 27 | 6 27.25 | +46 57.9 | 2.273 | 3.198 | 7.1 | 21.0 |
| 1 6 | 6 14.13 | +46 52.4 | 2.296 | 3.206 | 7.9 | 21.1 |
| 1 16 | 6 2.44 | +46 25.1 | 2.348 | 3.213 | 9.8 | 21.2 |
| 1 26 | 5 53.32 | +45 40.7 | 2.424 | 3.219 | 11.9 | 21.4 |
| 2 5 | 5 47.38 | +44 45.8 | 2.522 | 3.225 | 13.9 | 21.5 |

**357100** 2001 $TM_{143}$ 12 27.6 91.°07 0.°2/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.95 | +21 39.9 | 1.900 | 2.751 | 12.5 | 20.9 |
| 12 7 | 6 45.45 | +21 57.3 | 1.838 | 2.760 | 8.8 | 20.7 |
| 12 17 | 6 36.84 | +22 17.1 | 1.801 | 2.768 | 4.7 | 20.5 |
| 12 27 | 6 27.05 | +22 37.1 | 1.793 | 2.776 | 0.4 | 20.2 |
| 1 6 | 6 17.24 | +22 55.4 | 1.814 | 2.784 | 4.1 | 20.5 |
| 1 16 | 6 8.53 | +23 11.1 | 1.864 | 2.792 | 8.2 | 20.8 |
| 1 26 | 6 1.89 | +23 24.3 | 1.939 | 2.800 | 11.8 | 21.0 |
| 2 5 | 5 57.87 | +23 35.7 | 2.037 | 2.808 | 14.8 | 21.2 |

**90505** 2004 $EM_{16}$ 12 27.6 211.°57 1.°4/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.74 | +18 49.9 | 1.943 | 2.786 | 12.7 | 20.5 |
| 12 7 | 6 47.51 | +18 56.7 | 1.862 | 2.779 | 9.1 | 20.3 |
| 12 17 | 6 38.01 | +19 8.0 | 1.807 | 2.771 | 5.0 | 20.0 |
| 12 27 | 6 27.13 | +19 22.4 | 1.781 | 2.763 | 1.4 | 19.8 |
| 1 6 | 6 16.03 | +19 38.3 | 1.785 | 2.753 | 4.4 | 19.9 |
| 1 16 | 6 5.91 | +19 54.8 | 1.818 | 2.743 | 8.6 | 20.2 |
| 1 26 | 5 57.84 | +20 11.5 | 1.878 | 2.732 | 12.4 | 20.4 |
| 2 5 | 5 52.47 | +20 28.5 | 1.960 | 2.721 | 15.6 | 20.6 |

**425876** 2011 $FH_{19}$ 12 27.6 322.°64 5.°2/28.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.46 | + 7 23.5 | 2.227 | 3.050 | 12.0 | 21.6 |
| 12 7 | 6 42.04 | + 7 3.0 | 2.154 | 3.047 | 9.3 | 21.4 |
| 12 17 | 6 34.97 | + 6 54.4 | 2.105 | 3.044 | 6.7 | 21.2 |
| 12 27 | 6 26.94 | + 6 58.9 | 2.084 | 3.041 | 5.2 | 21.1 |
| 1 6 | 6 18.82 | + 7 16.6 | 2.092 | 3.038 | 6.1 | 21.2 |
| 1 16 | 6 11.46 | + 7 46.1 | 2.128 | 3.035 | 8.6 | 21.3 |
| 1 26 | 6 5.64 | + 8 25.1 | 2.189 | 3.032 | 11.3 | 21.5 |
| 2 5 | 6 1.89 | + 9 10.5 | 2.273 | 3.029 | 13.8 | 21.7 |

**104331** 2000 $FA_9$ 12 27.7 334.°02 2.°1/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.56 | +17 37.0 | 1.972 | 2.823 | 12.2 | 19.9 |
| 12 7 | 6 43.06 | +17 23.5 | 1.896 | 2.816 | 8.8 | 19.6 |
| 12 17 | 6 35.59 | +17 14.7 | 1.846 | 2.809 | 5.1 | 19.4 |
| 12 27 | 6 26.98 | +17 10.7 | 1.823 | 2.803 | 2.2 | 19.2 |
| 1 6 | 6 18.25 | +17 11.1 | 1.829 | 2.796 | 4.5 | 19.3 |
| 1 16 | 6 10.44 | +17 15.6 | 1.863 | 2.791 | 8.3 | 19.6 |
| 1 26 | 6 4.46 | +17 23.8 | 1.924 | 2.785 | 11.8 | 19.8 |
| 2 5 | 6 0.88 | +17 35.0 | 2.005 | 2.781 | 14.8 | 20.0 |

**482500** 2012 $TO_{21}$ 12 27.7 94.°42 1.°0/27.6 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.84 | +25 15.9 | 1.628 | 2.481 | 14.2 | 21.8 |
| 12 7 | 6 49.03 | +25 32.3 | 1.579 | 2.502 | 10.0 | 21.6 |
| 12 17 | 6 38.74 | +25 47.1 | 1.555 | 2.522 | 5.3 | 21.4 |
| 12 27 | 6 27.18 | +25 57.2 | 1.559 | 2.542 | 1.1 | 21.2 |
| 1 6 | 6 15.81 | +26 0.9 | 1.592 | 2.561 | 4.7 | 21.5 |
| 1 16 | 6 5.99 | +25 58.5 | 1.653 | 2.581 | 9.1 | 21.8 |
| 1 26 | 5 58.77 | +25 52.0 | 1.740 | 2.599 | 13.0 | 22.0 |
| 2 5 | 5 54.66 | +25 43.6 | 1.847 | 2.617 | 16.1 | 22.3 |

**442827** 2013 $AV_{78}$ 12 27.7 58.°95 1.°3/27.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.42 | +22 4.7 | 1.473 | 2.332 | 15.1 | 20.5 |
| 12 7 | 6 48.01 | +21 26.9 | 1.428 | 2.353 | 10.6 | 20.3 |
| 12 17 | 6 38.16 | +20 49.8 | 1.406 | 2.373 | 5.7 | 20.1 |
| 12 27 | 6 27.14 | +20 13.6 | 1.412 | 2.394 | 1.3 | 19.8 |
| 1 6 | 6 16.45 | +19 39.6 | 1.446 | 2.416 | 5.0 | 20.1 |
| 1 16 | 6 7.41 | +19 9.6 | 1.507 | 2.437 | 9.6 | 20.5 |
| 1 26 | 6 1.03 | +18 45.0 | 1.593 | 2.458 | 13.6 | 20.7 |
| 2 5 | 5 57.77 | +18 26.5 | 1.699 | 2.480 | 16.9 | 21.0 |

**409103** 2003 $SF_{410}$ 12 27.7 42.°78 1.°4/27.8 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.69 | +19 5.6 | 1.932 | 2.784 | 12.3 | 21.6 |
| 12 7 | 6 43.78 | +19 5.4 | 1.872 | 2.793 | 8.8 | 21.4 |
| 12 17 | 6 35.92 | +19 9.4 | 1.837 | 2.803 | 4.8 | 21.2 |
| 12 27 | 6 27.02 | +19 16.6 | 1.831 | 2.813 | 1.4 | 21.0 |
| 1 6 | 6 18.13 | +19 25.9 | 1.853 | 2.823 | 4.1 | 21.2 |
| 1 16 | 6 10.29 | +19 36.7 | 1.904 | 2.833 | 8.0 | 21.4 |
| 1 26 | 6 4.38 | +19 48.5 | 1.981 | 2.844 | 11.5 | 21.7 |
| 2 5 | 6 0.91 | +20 1.2 | 2.080 | 2.855 | 14.4 | 21.9 |

**329447** 2002 $PP_{104}$ 12 27.7 82.°18 2.°7/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.94 | +17 40.1 | 1.434 | 2.285 | 15.8 | 21.0 |
| 12 7 | 6 49.72 | +17 17.8 | 1.394 | 2.314 | 11.3 | 20.8 |
| 12 17 | 6 39.04 | +17 1.6 | 1.379 | 2.342 | 6.4 | 20.6 |
| 12 27 | 6 27.20 | +16 51.4 | 1.391 | 2.371 | 2.7 | 20.5 |
| 1 6 | 6 15.76 | +16 46.8 | 1.431 | 2.398 | 5.5 | 20.7 |
| 1 16 | 6 6.06 | +16 47.6 | 1.499 | 2.425 | 9.9 | 21.0 |
| 1 26 | 5 59.12 | +16 53.3 | 1.591 | 2.452 | 13.9 | 21.3 |
| 2 5 | 5 55.36 | +17 3.1 | 1.703 | 2.478 | 17.1 | 21.6 |

**175793** 1999 $RY_{80}$ 12 27.7 209.°87 2.°5/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.96 | +28 58.1 | 1.733 | 2.581 | 13.7 | 20.5 |
| 12 7 | 6 50.14 | +29 19.7 | 1.657 | 2.576 | 9.9 | 20.3 |
| 12 17 | 6 39.54 | +29 36.7 | 1.606 | 2.570 | 5.6 | 20.0 |
| 12 27 | 6 27.25 | +29 44.9 | 1.584 | 2.563 | 2.5 | 19.8 |
| 1 6 | 6 14.77 | +29 41.8 | 1.590 | 2.556 | 5.3 | 20.0 |
| 1 16 | 6 3.61 | +29 28.1 | 1.625 | 2.548 | 9.6 | 20.2 |
| 1 26 | 5 55.04 | +29 6.8 | 1.685 | 2.539 | 13.6 | 20.4 |
| 2 5 | 5 49.77 | +28 41.7 | 1.767 | 2.529 | 17.0 | 20.7 |

**359831** 2011 $UX_{319}$ 12 27.7 343.°60 0.°5/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.49 | +21 2.9 | 1.683 | 2.540 | 13.6 | 21.1 |
| 12 7 | 6 45.44 | +21 17.7 | 1.613 | 2.538 | 9.7 | 20.9 |
| 12 17 | 6 36.98 | +21 36.2 | 1.568 | 2.536 | 5.2 | 20.6 |
| 12 27 | 6 27.09 | +21 56.1 | 1.551 | 2.534 | 0.6 | 20.3 |
| 1 6 | 6 17.06 | +22 15.4 | 1.562 | 2.532 | 4.5 | 20.6 |
| 1 16 | 6 8.19 | +22 32.9 | 1.600 | 2.531 | 9.1 | 20.8 |
| 1 26 | 6 1.57 | +22 48.5 | 1.663 | 2.530 | 13.1 | 21.1 |
| 2 5 | 5 57.87 | +23 2.5 | 1.748 | 2.529 | 16.5 | 21.3 |

**355006** 2006 $QY_{30}$ 12 27.7 86.°93 17.°5/ 3.3 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.74 | −15 2.1 | 1.162 | 1.916 | 24.7 | 20.3 |
| 12 7 | 6 48.85 | −15 32.8 | 1.115 | 1.925 | 22.1 | 20.1 |
| 12 17 | 6 38.90 | −15 15.4 | 1.083 | 1.935 | 19.6 | 20.0 |
| 12 27 | 6 27.21 | −14 2.7 | 1.069 | 1.945 | 17.9 | 19.9 |
| 1 6 | 6 15.54 | −11 56.0 | 1.076 | 1.954 | 17.5 | 19.9 |
| 1 16 | 6 5.57 | − 9 5.2 | 1.104 | 1.964 | 18.7 | 20.0 |
| 1 26 | 5 58.65 | − 5 46.2 | 1.153 | 1.973 | 20.8 | 20.2 |
| 2 5 | 5 55.43 | − 2 16.7 | 1.221 | 1.983 | 23.2 | 20.4 |

**139751** 2001 $QC_{279}$ 12 27.7 82.°68 1.°3/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.29 | +18 4.9 | 1.903 | 2.748 | 12.8 | 20.7 |
| 12 7 | 6 46.22 | +18 31.1 | 1.855 | 2.772 | 9.1 | 20.6 |
| 12 17 | 6 37.17 | +19 2.7 | 1.832 | 2.797 | 4.9 | 20.4 |
| 12 27 | 6 27.10 | +19 37.3 | 1.839 | 2.821 | 1.3 | 20.2 |
| 1 6 | 6 17.15 | +20 12.5 | 1.876 | 2.845 | 4.1 | 20.4 |
| 1 16 | 6 8.38 | +20 46.6 | 1.941 | 2.868 | 8.0 | 20.7 |
| 1 26 | 6 1.68 | +21 18.5 | 2.034 | 2.891 | 11.4 | 21.0 |
| 2 5 | 5 57.54 | +21 48.1 | 2.148 | 2.914 | 14.3 | 21.2 |

**494094** 2016 $CH_{26}$ 12 27.7 205.°99 0.°6/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.90 | +23 48.6 | 2.460 | 3.306 | 10.2 | 21.5 |
| 12 7 | 6 43.77 | +24 15.4 | 2.384 | 3.304 | 7.2 | 21.3 |
| 12 17 | 6 35.91 | +24 42.9 | 2.335 | 3.301 | 3.9 | 21.1 |
| 12 27 | 6 27.03 | +25 9.0 | 2.316 | 3.299 | 0.6 | 20.8 |
| 1 6 | 6 18.03 | +25 31.7 | 2.327 | 3.296 | 3.5 | 21.1 |
| 1 16 | 6 9.80 | +25 50.2 | 2.369 | 3.294 | 6.9 | 21.3 |
| 1 26 | 6 3.15 | +26 4.6 | 2.438 | 3.291 | 10.0 | 21.5 |
| 2 5 | 5 58.63 | +26 15.6 | 2.530 | 3.288 | 12.6 | 21.6 |

**235208** 2003 $SS_{183}$ 12 27.7 33.°09 2.°2/27.8 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.89 | +18 26.2 | 1.850 | 2.703 | 12.7 | 20.1 |
| 12 7 | 6 43.94 | +17 59.0 | 1.791 | 2.712 | 9.1 | 19.9 |
| 12 17 | 6 36.01 | +17 35.9 | 1.757 | 2.721 | 5.2 | 19.7 |
| 12 27 | 6 27.04 | +17 17.0 | 1.751 | 2.731 | 2.2 | 19.6 |
| 1 6 | 6 18.14 | +17 2.8 | 1.774 | 2.741 | 4.6 | 19.7 |
| 1 16 | 6 10.35 | +16 53.4 | 1.825 | 2.752 | 8.4 | 20.0 |
| 1 26 | 6 4.56 | +16 49.0 | 1.901 | 2.763 | 11.9 | 20.2 |
| 2 5 | 6 1.26 | +16 49.1 | 1.999 | 2.774 | 14.9 | 20.4 |

**478579** 2012 $TZ_{90}$ 12 27.7 71.°51 4.°5/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.05 | +31 55.0 | 1.466 | 2.323 | 15.2 | 20.8 |
| 12 7 | 6 49.74 | +32 47.2 | 1.414 | 2.334 | 11.1 | 20.6 |
| 12 17 | 6 39.37 | +33 32.0 | 1.385 | 2.345 | 6.9 | 20.4 |
| 12 27 | 6 27.27 | +34 2.7 | 1.383 | 2.356 | 4.5 | 20.3 |
| 1 6 | 6 15.19 | +34 15.7 | 1.408 | 2.367 | 6.7 | 20.4 |
| 1 16 | 6 4.83 | +34 11.5 | 1.459 | 2.379 | 10.8 | 20.7 |
| 1 26 | 5 57.51 | +33 54.4 | 1.535 | 2.390 | 14.6 | 20.9 |
| 2 5 | 5 53.85 | +33 29.6 | 1.629 | 2.402 | 17.8 | 21.2 |

**454900** 2015 $TK_{102}$ 12 27.7 142.°35 0.°9/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.22 | +24 17.2 | 2.223 | 3.068 | 11.2 | 21.0 |
| 12 7 | 6 46.20 | +24 55.7 | 2.158 | 3.077 | 7.9 | 20.8 |
| 12 17 | 6 37.23 | +25 34.7 | 2.120 | 3.086 | 4.2 | 20.6 |
| 12 27 | 6 27.14 | +26 10.9 | 2.112 | 3.094 | 0.9 | 20.3 |
| 1 6 | 6 16.98 | +26 41.9 | 2.134 | 3.102 | 3.9 | 20.6 |
| 1 16 | 6 7.78 | +27 6.4 | 2.186 | 3.109 | 7.5 | 20.8 |
| 1 26 | 6 0.44 | +27 24.9 | 2.266 | 3.116 | 10.7 | 21.0 |
| 2 5 | 5 55.52 | +27 38.6 | 2.369 | 3.123 | 13.4 | 21.2 |

**457953** 2009 $VF_{46}$ 12 27.7 16.°80 4.°6/26.8 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.56 | +33 27.9 | 1.871 | 2.721 | 12.8 | 21.0 |
| 12 7 | 6 46.26 | +34 29.3 | 1.809 | 2.724 | 9.5 | 20.8 |
| 12 17 | 6 37.45 | +35 24.0 | 1.772 | 2.727 | 6.2 | 20.6 |
| 12 27 | 6 27.16 | +36 6.5 | 1.763 | 2.731 | 4.6 | 20.5 |
| 1 6 | 6 16.71 | +36 33.0 | 1.782 | 2.735 | 6.3 | 20.6 |
| 1 16 | 6 7.47 | +36 43.0 | 1.828 | 2.739 | 9.5 | 20.8 |
| 1 26 | 6 0.59 | +36 39.1 | 1.899 | 2.744 | 12.7 | 21.0 |
| 2 5 | 5 56.72 | +36 25.3 | 1.991 | 2.749 | 15.5 | 21.2 |

**246525** 2008 $FR_{32}$ 12 27.7 117.°37 2.°1/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.10 | +17 4.3 | 2.014 | 2.859 | 12.2 | 20.9 |
| 12 7 | 6 44.73 | +16 59.4 | 1.949 | 2.866 | 8.8 | 20.7 |
| 12 17 | 6 36.44 | +16 59.9 | 1.910 | 2.872 | 5.0 | 20.5 |
| 12 27 | 6 27.10 | +17 5.3 | 1.899 | 2.878 | 2.1 | 20.3 |
| 1 6 | 6 17.73 | +17 14.8 | 1.918 | 2.885 | 4.4 | 20.5 |
| 1 16 | 6 9.37 | +17 27.6 | 1.965 | 2.891 | 8.0 | 20.7 |
| 1 26 | 6 2.88 | +17 43.0 | 2.039 | 2.896 | 11.4 | 21.0 |
| 2 5 | 5 58.79 | +18 0.3 | 2.135 | 2.902 | 14.3 | 21.2 |

**337633** 2001 $TK_{98}$ 12 27.7 101.°62 0.°8/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.95 | +20 39.5 | 1.653 | 2.503 | 14.1 | 21.4 |
| 12 7 | 6 48.35 | +20 48.0 | 1.602 | 2.523 | 10.0 | 21.2 |
| 12 17 | 6 38.40 | +20 59.7 | 1.575 | 2.542 | 5.3 | 21.0 |
| 12 27 | 6 27.21 | +21 12.3 | 1.577 | 2.560 | 0.9 | 20.7 |
| 1 6 | 6 16.17 | +21 24.3 | 1.608 | 2.578 | 4.5 | 21.0 |
| 1 16 | 6 6.57 | +21 34.9 | 1.668 | 2.596 | 9.0 | 21.3 |
| 1 26 | 5 59.42 | +21 44.6 | 1.753 | 2.613 | 12.8 | 21.6 |
| 2 5 | 5 55.24 | +21 53.9 | 1.859 | 2.630 | 16.0 | 21.8 |

**245842** 2006 $KB_{46}$ 12 27.7 61.°96 2.°9/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.27 | +16 32.1 | 1.520 | 2.372 | 15.0 | 19.5 |
| 12 7 | 6 47.11 | +16 16.0 | 1.481 | 2.400 | 10.8 | 19.3 |
| 12 17 | 6 37.68 | +16 7.5 | 1.465 | 2.428 | 6.2 | 19.1 |
| 12 27 | 6 27.17 | +16 6.0 | 1.477 | 2.455 | 2.9 | 19.0 |
| 1 6 | 6 16.96 | +16 10.9 | 1.517 | 2.483 | 5.3 | 19.2 |
| 1 16 | 6 8.29 | +16 21.2 | 1.584 | 2.511 | 9.4 | 19.5 |
| 1 26 | 6 2.09 | +16 35.9 | 1.675 | 2.539 | 13.2 | 19.8 |
| 2 5 | 5 58.81 | +16 53.7 | 1.788 | 2.566 | 16.3 | 20.1 |

**284283** 2006 $JJ_{50}$ 12 27.7 277.°14 0.°1/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.97 | +23 17.0 | 2.284 | 3.133 | 10.8 | 21.6 |
| 12 7 | 6 43.99 | +23 23.8 | 2.198 | 3.118 | 7.7 | 21.3 |
| 12 17 | 6 36.11 | +23 31.0 | 2.137 | 3.104 | 4.1 | 21.1 |
| 12 27 | 6 27.10 | +23 37.2 | 2.106 | 3.089 | 0.3 | 20.7 |
| 1 6 | 6 17.88 | +23 41.3 | 2.104 | 3.074 | 3.7 | 21.0 |
| 1 16 | 6 9.45 | +23 42.9 | 2.133 | 3.059 | 7.4 | 21.2 |
| 1 26 | 6 2.71 | +23 42.6 | 2.188 | 3.045 | 10.8 | 21.4 |
| 2 5 | 5 58.24 | +23 41.2 | 2.266 | 3.030 | 13.7 | 21.6 |

**458016** 2009 $WN_{139}$ 12 27.7 60.°09 4.°5/27.1 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.27 | +35 17.2 | 2.103 | 2.944 | 11.9 | 21.0 |
| 12 7 | 6 46.50 | +36 0.8 | 2.041 | 2.950 | 8.9 | 20.8 |
| 12 17 | 6 37.48 | +36 36.0 | 2.005 | 2.956 | 6.0 | 20.6 |
| 12 27 | 6 27.18 | +36 58.3 | 1.998 | 2.962 | 4.5 | 20.6 |
| 1 6 | 6 16.83 | +37 5.4 | 2.019 | 2.969 | 5.9 | 20.7 |
| 1 16 | 6 7.64 | +36 57.6 | 2.068 | 2.975 | 8.8 | 20.8 |
| 1 26 | 6 0.65 | +36 37.9 | 2.143 | 2.982 | 11.7 | 21.0 |
| 2 5 | 5 56.43 | +36 10.3 | 2.239 | 2.988 | 14.2 | 21.2 |

**164421** 2006 $BJ_{98}$ 12 27.7 239.°76 0.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.84 | +23 21.7 | 2.791 | 3.632 | 9.3 | 21.5 |
| 12 7 | 6 43.63 | +23 30.4 | 2.700 | 3.617 | 6.6 | 21.3 |
| 12 17 | 6 35.83 | +23 39.4 | 2.636 | 3.602 | 3.5 | 21.1 |
| 12 27 | 6 27.09 | +23 47.2 | 2.603 | 3.586 | 0.3 | 20.8 |
| 1 6 | 6 18.17 | +23 52.9 | 2.601 | 3.570 | 3.1 | 21.1 |
| 1 16 | 6 9.89 | +23 56.2 | 2.630 | 3.554 | 6.3 | 21.2 |
| 1 26 | 6 2.99 | +23 57.4 | 2.687 | 3.537 | 9.3 | 21.4 |
| 2 5 | 5 57.99 | +23 57.4 | 2.768 | 3.519 | 11.7 | 21.6 |

**257544** 1998 $QU_4$ 12 27.7 70.°07 1.°1/27.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.29 | +26 56.6 | 2.046 | 2.896 | 11.8 | 19.7 |
| 12 7 | 6 45.56 | +26 50.9 | 1.986 | 2.907 | 8.4 | 19.5 |
| 12 17 | 6 36.86 | +26 42.0 | 1.952 | 2.918 | 4.5 | 19.3 |
| 12 27 | 6 27.14 | +26 28.3 | 1.946 | 2.929 | 1.1 | 19.0 |
| 1 6 | 6 17.52 | +26 9.5 | 1.971 | 2.940 | 4.0 | 19.3 |
| 1 16 | 6 9.04 | +25 46.6 | 2.024 | 2.951 | 7.7 | 19.5 |
| 1 26 | 6 2.59 | +25 21.7 | 2.105 | 2.962 | 11.1 | 19.8 |
| 2 5 | 5 58.66 | +24 56.8 | 2.207 | 2.974 | 13.9 | 20.0 |

**339090** 2004 $RA_{114}$ 12 27.7 44.°87 13.°6/30.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 16.33 | +51 19.9 | 0.870 | 1.705 | 24.9 | 18.8 |
| 12 7 | 7 5.08 | +51 14.3 | 0.830 | 1.717 | 20.7 | 18.6 |
| 12 17 | 6 47.70 | +50 22.7 | 0.806 | 1.730 | 16.6 | 18.4 |
| 12 27 | 6 27.78 | +48 32.6 | 0.802 | 1.743 | 13.9 | 18.3 |
| 1 6 | 6 9.73 | +45 48.0 | 0.820 | 1.757 | 14.2 | 18.4 |
| 1 16 | 5 56.68 | +42 29.1 | 0.860 | 1.772 | 17.2 | 18.6 |
| 1 26 | 5 49.90 | +39 1.6 | 0.921 | 1.787 | 21.0 | 18.9 |
| 2 5 | 5 49.04 | +35 45.0 | 1.000 | 1.803 | 24.6 | 19.2 |

**154375** 2002 $XO_{86}$ 12 27.7 41.°42 3.°7/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.76 | +29 18.1 | 1.308 | 2.173 | 16.1 | 19.5 |
| 12 7 | 6 49.08 | +30 9.8 | 1.254 | 2.180 | 11.7 | 19.3 |
| 12 17 | 6 39.14 | +30 57.1 | 1.223 | 2.187 | 6.8 | 19.0 |
| 12 27 | 6 27.30 | +31 33.3 | 1.217 | 2.195 | 3.7 | 18.9 |
| 1 6 | 6 15.41 | +31 53.9 | 1.238 | 2.203 | 6.6 | 19.1 |
| 1 16 | 6 5.29 | +31 58.7 | 1.285 | 2.211 | 11.2 | 19.4 |
| 1 26 | 5 58.37 | +31 51.3 | 1.354 | 2.220 | 15.5 | 19.6 |
| 2 5 | 5 55.30 | +31 36.2 | 1.443 | 2.229 | 19.1 | 19.9 |

**409484** 2005 $SE_{98}$ 12 27.7 203.°00 3.°5/27.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.26 | +33 19.0 | 2.144 | 2.985 | 11.7 | 21.5 |
| 12 7 | 6 47.14 | +33 38.9 | 2.071 | 2.983 | 8.6 | 21.3 |
| 12 17 | 6 37.81 | +33 51.3 | 2.025 | 2.981 | 5.4 | 21.1 |
| 12 27 | 6 27.22 | +33 52.7 | 2.007 | 2.979 | 3.5 | 21.0 |
| 1 6 | 6 16.56 | +33 41.5 | 2.018 | 2.977 | 5.2 | 21.1 |
| 1 16 | 6 7.03 | +33 18.7 | 2.059 | 2.974 | 8.4 | 21.3 |
| 1 26 | 5 59.62 | +32 47.2 | 2.126 | 2.971 | 11.5 | 21.5 |
| 2 5 | 5 54.94 | +32 10.8 | 2.215 | 2.968 | 14.2 | 21.7 |

**254922** 2005 $SP_{119}$ 12 27.7 94.°76 1.°1/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.91 | +26 12.0 | 1.959 | 2.810 | 12.2 | 20.8 |
| 12 7 | 6 46.12 | +26 18.5 | 1.897 | 2.818 | 8.7 | 20.6 |
| 12 17 | 6 37.22 | +26 22.6 | 1.861 | 2.827 | 4.7 | 20.4 |
| 12 27 | 6 27.18 | +26 22.4 | 1.853 | 2.835 | 1.1 | 20.2 |
| 1 6 | 6 17.17 | +26 16.7 | 1.875 | 2.843 | 4.2 | 20.4 |
| 1 16 | 6 8.34 | +26 6.0 | 1.925 | 2.852 | 8.1 | 20.7 |
| 1 26 | 6 1.60 | +25 52.1 | 2.002 | 2.860 | 11.6 | 20.9 |
| 2 5 | 5 57.52 | +25 36.8 | 2.100 | 2.868 | 14.5 | 21.1 |

**453883** 2011 $UO_{161}$ 12 27.7 85.°48 8.°2/26.3 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 2.10 | +43 9.8 | 1.860 | 2.679 | 14.2 | 21.4 |
| 12 7 | 6 53.26 | +44 45.5 | 1.821 | 2.702 | 11.4 | 21.3 |
| 12 17 | 6 41.25 | +46 4.2 | 1.806 | 2.726 | 9.1 | 21.2 |
| 12 27 | 6 27.44 | +46 57.6 | 1.819 | 2.749 | 8.3 | 21.2 |
| 1 6 | 6 13.62 | +47 21.8 | 1.859 | 2.771 | 9.3 | 21.3 |
| 1 16 | 6 1.57 | +47 18.4 | 1.926 | 2.794 | 11.5 | 21.5 |
| 1 26 | 5 52.65 | +46 53.6 | 2.016 | 2.816 | 13.8 | 21.7 |
| 2 5 | 5 47.50 | +46 14.9 | 2.125 | 2.837 | 16.0 | 21.9 |

**167351** 2003 $WY_{16}$ 12 27.7 116.°61 1.°3/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.50 | +25 59.0 | 2.045 | 2.890 | 12.0 | 21.2 |
| 12 7 | 6 47.81 | +26 24.1 | 1.991 | 2.909 | 8.5 | 21.0 |
| 12 17 | 6 38.07 | +26 47.4 | 1.963 | 2.928 | 4.6 | 20.8 |
| 12 27 | 6 27.24 | +27 5.8 | 1.964 | 2.946 | 1.3 | 20.6 |
| 1 6 | 6 16.49 | +27 17.4 | 1.996 | 2.964 | 4.1 | 20.8 |
| 1 16 | 6 6.95 | +27 22.3 | 2.057 | 2.980 | 7.9 | 21.1 |
| 1 26 | 5 59.52 | +27 21.8 | 2.146 | 2.997 | 11.2 | 21.3 |
| 2 5 | 5 54.73 | +27 17.9 | 2.256 | 3.012 | 13.9 | 21.6 |

**375513** 2008 $UX_{112}$ 12 27.7 141.°12 2.°1/27.9 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.08 | +16 31.4 | 2.634 | 3.470 | 9.9 | 21.4 |
| 12 7 | 6 42.95 | +16 12.4 | 2.566 | 3.477 | 7.2 | 21.3 |
| 12 17 | 6 35.40 | +15 57.4 | 2.524 | 3.484 | 4.2 | 21.1 |
| 12 27 | 6 27.08 | +15 46.5 | 2.513 | 3.490 | 2.1 | 21.0 |
| 1 6 | 6 18.77 | +15 39.8 | 2.533 | 3.497 | 3.7 | 21.1 |
| 1 16 | 6 11.21 | +15 37.2 | 2.583 | 3.503 | 6.6 | 21.3 |
| 1 26 | 6 5.07 | +15 38.5 | 2.660 | 3.509 | 9.4 | 21.5 |
| 2 5 | 6 0.79 | +15 43.1 | 2.761 | 3.514 | 11.7 | 21.6 |

**70745** Aleserpieri 12 27.7 52.°99 2.°8/27.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.40 | +27 26.3 | 1.617 | 2.474 | 14.0 | 18.3 |
| 12 7 | 6 47.72 | +28 28.3 | 1.556 | 2.479 | 10.0 | 18.1 |
| 12 17 | 6 38.32 | +29 29.2 | 1.520 | 2.484 | 5.7 | 17.8 |
| 12 27 | 6 27.27 | +30 22.9 | 1.511 | 2.490 | 2.8 | 17.7 |
| 1 6 | 6 16.06 | +31 4.8 | 1.531 | 2.495 | 5.6 | 17.9 |
| 1 16 | 6 6.19 | +31 33.2 | 1.578 | 2.501 | 9.8 | 18.1 |
| 1 26 | 5 58.90 | +31 49.5 | 1.650 | 2.507 | 13.7 | 18.4 |
| 2 5 | 5 54.88 | +31 56.8 | 1.742 | 2.513 | 16.9 | 18.6 |

**456030** 2005 $YP_{114}$ 12 27.7 73.°28 2.°5/27.6 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.08 | +30 45.6 | 2.064 | 2.911 | 11.9 | 21.0 |
| 12 7 | 6 46.23 | +30 50.0 | 1.998 | 2.915 | 8.5 | 20.8 |
| 12 17 | 6 37.29 | +30 48.3 | 1.958 | 2.920 | 5.0 | 20.6 |
| 12 27 | 6 27.21 | +30 37.9 | 1.947 | 2.925 | 2.5 | 20.4 |
| 1 6 | 6 17.16 | +30 18.1 | 1.965 | 2.930 | 4.6 | 20.6 |
| 1 16 | 6 8.28 | +29 50.3 | 2.012 | 2.934 | 8.1 | 20.8 |
| 1 26 | 6 1.51 | +29 17.1 | 2.085 | 2.939 | 11.4 | 21.0 |
| 2 5 | 5 57.37 | +28 41.7 | 2.181 | 2.944 | 14.2 | 21.2 |

**266725** Vonputtkamer 12 27.7 111.°89 1.°4/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.12 | +26 35.4 | 1.602 | 2.455 | 14.4 | 21.1 |
| 12 7 | 6 50.05 | +26 46.7 | 1.549 | 2.471 | 10.2 | 20.9 |
| 12 17 | 6 39.38 | +26 54.8 | 1.521 | 2.487 | 5.5 | 20.6 |
| 12 27 | 6 27.34 | +26 56.5 | 1.520 | 2.502 | 1.5 | 20.4 |
| 1 6 | 6 15.46 | +26 50.5 | 1.549 | 2.518 | 4.9 | 20.7 |
| 1 16 | 6 5.18 | +26 37.6 | 1.605 | 2.532 | 9.4 | 21.0 |
| 1 26 | 5 57.61 | +26 20.5 | 1.687 | 2.546 | 13.3 | 21.2 |
| 2 5 | 5 53.28 | +26 2.2 | 1.790 | 2.559 | 16.5 | 21.5 |

**482474** 2012 $RJ_1$ 12 27.7 146.°60 2.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.11 | +28 52.2 | 1.946 | 2.788 | 12.7 | 22.1 |
| 12 7 | 6 49.82 | +29 9.8 | 1.884 | 2.800 | 9.0 | 21.9 |
| 12 17 | 6 39.21 | +29 22.5 | 1.849 | 2.812 | 5.1 | 21.7 |
| 12 27 | 6 27.34 | +29 27.1 | 1.842 | 2.822 | 2.2 | 21.5 |
| 1 6 | 6 15.52 | +29 22.0 | 1.866 | 2.831 | 4.7 | 21.7 |
| 1 16 | 6 5.04 | +29 8.0 | 1.920 | 2.840 | 8.5 | 22.0 |
| 1 26 | 5 56.91 | +28 47.9 | 1.999 | 2.848 | 12.0 | 22.2 |
| 2 5 | 5 51.70 | +28 24.9 | 2.101 | 2.855 | 14.9 | 22.4 |

**303021** 2003 $WK_{178}$ 12 27.7 153.°09 2.°0/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.98 | +17 35.7 | 2.042 | 2.883 | 12.2 | 22.2 |
| 12 7 | 6 46.05 | +17 27.6 | 1.975 | 2.890 | 8.8 | 22.0 |
| 12 17 | 6 37.17 | +17 24.1 | 1.934 | 2.897 | 5.0 | 21.8 |
| 12 27 | 6 27.21 | +17 24.8 | 1.923 | 2.902 | 2.0 | 21.6 |
| 1 6 | 6 17.24 | +17 28.9 | 1.941 | 2.908 | 4.3 | 21.7 |
| 1 16 | 6 8.28 | +17 36.1 | 1.989 | 2.913 | 8.0 | 22.0 |
| 1 26 | 6 1.24 | +17 45.9 | 2.063 | 2.917 | 11.5 | 22.2 |
| 2 5 | 5 56.65 | +17 57.9 | 2.160 | 2.921 | 14.3 | 22.4 |

**294618** 2008 $AJ_{29}$ 12 27.7 22.°49 1.°5/27.4 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.24 | +23 35.4 | 1.221 | 2.090 | 16.8 | 19.9 |
| 12 7 | 6 48.87 | +24 29.7 | 1.162 | 2.092 | 12.0 | 19.7 |
| 12 17 | 6 39.14 | +25 28.0 | 1.125 | 2.094 | 6.4 | 19.4 |
| 12 27 | 6 27.35 | +26 23.7 | 1.114 | 2.097 | 1.5 | 19.0 |
| 1 6 | 6 15.33 | +27 11.2 | 1.129 | 2.099 | 5.9 | 19.3 |
| 1 16 | 6 5.00 | +27 47.4 | 1.170 | 2.103 | 11.4 | 19.7 |
| 1 26 | 5 57.86 | +28 13.1 | 1.233 | 2.106 | 16.2 | 19.9 |
| 2 5 | 5 54.69 | +28 30.5 | 1.315 | 2.110 | 20.1 | 20.2 |

**97569** 2000 $DJ_{102}$ 12 27.7 14.°27 2.°6/28.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.87 | +14 14.1 | 2.098 | 2.939 | 11.9 | 19.7 |
| 12 7 | 6 43.19 | +14 28.7 | 2.027 | 2.940 | 8.7 | 19.5 |
| 12 17 | 6 35.69 | +14 51.8 | 1.982 | 2.941 | 5.2 | 19.3 |
| 12 27 | 6 27.12 | +15 22.6 | 1.965 | 2.942 | 2.7 | 19.1 |
| 1 6 | 6 18.45 | +15 59.2 | 1.978 | 2.944 | 4.4 | 19.2 |
| 1 16 | 6 10.63 | +16 39.7 | 2.020 | 2.945 | 7.8 | 19.4 |
| 1 26 | 6 4.52 | +17 22.0 | 2.088 | 2.947 | 11.1 | 19.6 |
| 2 5 | 6 0.66 | +18 4.6 | 2.179 | 2.949 | 14.0 | 19.8 |

**443817** 1999 $TP_{211}$ 12 27.7 87.°51 9.°2/28.0 15

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.14 | + 0 27.8 | 1.850 | 2.643 | 15.3 | 20.9 |
| 12 7 | 6 47.35 | − 1 6.1 | 1.813 | 2.672 | 12.6 | 20.8 |
| 12 17 | 6 37.73 | − 2 20.4 | 1.800 | 2.701 | 10.3 | 20.7 |
| 12 27 | 6 27.24 | − 3 10.6 | 1.813 | 2.729 | 9.3 | 20.7 |
| 1 6 | 6 17.01 | − 3 34.9 | 1.855 | 2.757 | 9.9 | 20.8 |
| 1 16 | 6 8.05 | − 3 34.7 | 1.922 | 2.784 | 11.8 | 21.0 |
| 1 26 | 6 1.15 | − 3 13.7 | 2.013 | 2.810 | 13.9 | 21.2 |
| 2 5 | 5 56.75 | − 2 37.5 | 2.123 | 2.836 | 15.9 | 21.4 |

**419281** 2009 $WB_{15}$ 12 27.7 31.°46 4.°9/27.7 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.70 | +11 52.0 | 1.909 | 2.748 | 13.0 | 21.0 |
| 12 7 | 6 43.75 | +10 54.3 | 1.848 | 2.755 | 9.8 | 20.8 |
| 12 17 | 6 35.94 | +10 5.1 | 1.812 | 2.762 | 6.7 | 20.6 |
| 12 27 | 6 27.14 | + 9 27.0 | 1.805 | 2.769 | 4.9 | 20.5 |
| 1 6 | 6 18.38 | + 9 1.5 | 1.825 | 2.777 | 6.3 | 20.6 |
| 1 16 | 6 10.66 | + 8 48.9 | 1.873 | 2.785 | 9.3 | 20.8 |
| 1 26 | 6 4.80 | + 8 48.2 | 1.946 | 2.794 | 12.3 | 21.0 |
| 2 5 | 6 1.32 | + 8 57.3 | 2.041 | 2.803 | 15.0 | 21.2 |

**230780** 2003 $YA_{139}$ 12 27.7 292.°87 2.°1/28.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.26 | +15 42.0 | 2.311 | 3.153 | 11.0 | 20.1 |
| 12 7 | 6 42.72 | +15 53.1 | 2.230 | 3.144 | 8.0 | 19.9 |
| 12 17 | 6 35.44 | +16 10.9 | 2.175 | 3.136 | 4.7 | 19.7 |
| 12 27 | 6 27.14 | +16 34.5 | 2.149 | 3.127 | 2.1 | 19.5 |
| 1 6 | 6 18.66 | +17 2.7 | 2.152 | 3.119 | 4.0 | 19.6 |
| 1 16 | 6 10.91 | +17 33.9 | 2.185 | 3.110 | 7.3 | 19.8 |
| 1 26 | 6 4.70 | +18 6.8 | 2.245 | 3.102 | 10.5 | 20.0 |
| 2 5 | 6 0.59 | +18 40.3 | 2.328 | 3.094 | 13.3 | 20.2 |

**266519** 2008 $EC_{151}$ 12 27.7 206.°33 1.°6/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.10 | +26 54.9 | 1.873 | 2.719 | 12.9 | 22.2 |
| 12 7 | 6 49.39 | +27 14.4 | 1.795 | 2.714 | 9.2 | 22.0 |
| 12 17 | 6 39.15 | +27 31.3 | 1.743 | 2.708 | 5.1 | 21.7 |
| 12 27 | 6 27.38 | +27 42.3 | 1.719 | 2.701 | 1.6 | 21.4 |
| 1 6 | 6 15.41 | +27 45.2 | 1.726 | 2.693 | 4.7 | 21.6 |
| 1 16 | 6 4.61 | +27 40.0 | 1.762 | 2.685 | 8.9 | 21.9 |
| 1 26 | 5 56.14 | +27 28.7 | 1.823 | 2.676 | 12.8 | 22.1 |
| 2 5 | 5 50.69 | +27 14.4 | 1.907 | 2.666 | 16.0 | 22.3 |

**152955** 2000 $GM_{35}$ 12 27.7 231.°04 3.°5/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.46 | +31 39.4 | 1.896 | 2.740 | 12.9 | 20.8 |
| 12 7 | 6 49.82 | +32 14.7 | 1.814 | 2.728 | 9.5 | 20.6 |
| 12 17 | 6 39.46 | +32 44.2 | 1.757 | 2.716 | 5.8 | 20.4 |
| 12 27 | 6 27.40 | +33 2.9 | 1.729 | 2.703 | 3.5 | 20.2 |
| 1 6 | 6 15.03 | +33 7.7 | 1.729 | 2.689 | 5.7 | 20.3 |
| 1 16 | 6 3.82 | +32 58.5 | 1.759 | 2.675 | 9.5 | 20.5 |
| 1 26 | 5 55.03 | +32 38.4 | 1.814 | 2.660 | 13.2 | 20.7 |
| 2 5 | 5 49.42 | +32 11.8 | 1.891 | 2.644 | 16.3 | 20.9 |

**291069** 2005 $YV_{103}$ 12 27.7 241.°31 0.°2/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.28 | +22 23.6 | 1.797 | 2.648 | 13.1 | 21.4 |
| 12 7 | 6 47.44 | +22 29.2 | 1.716 | 2.638 | 9.4 | 21.1 |
| 12 17 | 6 38.14 | +22 36.2 | 1.660 | 2.627 | 5.1 | 20.8 |
| 12 27 | 6 27.32 | +22 42.7 | 1.632 | 2.615 | 0.4 | 20.4 |
| 1 6 | 6 16.24 | +22 47.2 | 1.633 | 2.603 | 4.5 | 20.7 |
| 1 16 | 6 6.24 | +22 49.3 | 1.663 | 2.591 | 9.0 | 21.0 |
| 1 26 | 5 58.47 | +22 49.7 | 1.719 | 2.579 | 13.1 | 21.2 |
| 2 5 | 5 53.62 | +22 49.8 | 1.795 | 2.566 | 16.5 | 21.4 |

**41180** 1999 $VQ_{193}$ 12 27.7 139.°95 0.°4/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.47 | +22 1.1 | 2.172 | 3.014 | 11.6 | 20.3 |
| 12 7 | 6 46.99 | +21 58.9 | 2.110 | 3.027 | 8.2 | 20.1 |
| 12 17 | 6 37.64 | +21 57.4 | 2.074 | 3.040 | 4.4 | 19.9 |
| 12 27 | 6 27.28 | +21 55.4 | 2.068 | 3.052 | 0.5 | 19.6 |
| 1 6 | 6 16.99 | +21 52.2 | 2.093 | 3.063 | 3.7 | 19.9 |
| 1 16 | 6 7.76 | +21 48.0 | 2.149 | 3.073 | 7.5 | 20.1 |
| 1 26 | 6 0.45 | +21 43.4 | 2.231 | 3.083 | 10.8 | 20.4 |
| 2 5 | 5 55.55 | +21 39.4 | 2.336 | 3.092 | 13.5 | 20.6 |

**402587** 2006 $SQ_{28}$ 12 27.7 263.°19 4.°5/27.6 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.53 | +35 52.8 | 1.908 | 2.746 | 13.0 | 21.7 |
| 12 7 | 6 49.84 | +36 1.4 | 1.824 | 2.732 | 9.8 | 21.4 |
| 12 17 | 6 39.44 | +35 58.8 | 1.764 | 2.717 | 6.5 | 21.2 |
| 12 27 | 6 27.41 | +35 40.4 | 1.733 | 2.702 | 4.5 | 21.0 |
| 1 6 | 6 15.22 | +35 4.8 | 1.731 | 2.686 | 6.1 | 21.1 |
| 1 16 | 6 4.35 | +34 14.1 | 1.757 | 2.671 | 9.6 | 21.3 |
| 1 26 | 5 56.03 | +33 13.1 | 1.808 | 2.655 | 13.2 | 21.5 |
| 2 5 | 5 50.94 | +32 8.0 | 1.882 | 2.639 | 16.3 | 21.7 |

**277932** 2006 $KV_{122}$ 12 27.7 21.°22 4.°5/28.2 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 47.98 | +10 18.4 | 2.100 | 2.934 | 12.2 | 20.6 |
| 12 7 | 6 42.50 | + 9 55.3 | 2.033 | 2.936 | 9.3 | 20.4 |
| 12 17 | 6 35.30 | + 9 42.4 | 1.992 | 2.939 | 6.3 | 20.2 |
| 12 27 | 6 27.14 | + 9 40.9 | 1.977 | 2.942 | 4.5 | 20.1 |
| 1 6 | 6 18.93 | + 9 50.5 | 1.992 | 2.946 | 5.7 | 20.2 |
| 1 16 | 6 11.58 | +10 10.3 | 2.035 | 2.949 | 8.5 | 20.4 |
| 1 26 | 6 5.90 | +10 38.3 | 2.103 | 2.953 | 11.4 | 20.6 |
| 2 5 | 6 2.38 | +11 12.1 | 2.193 | 2.957 | 14.1 | 20.8 |

**305711** 2009 $BF_{181}$ 12 27.7 230.°90 2.°8/28.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.70 | +14 57.1 | 1.921 | 2.764 | 12.8 | 21.0 |
| 12 7 | 6 45.39 | +14 56.7 | 1.844 | 2.758 | 9.4 | 20.8 |
| 12 17 | 6 36.96 | +15 4.2 | 1.792 | 2.751 | 5.6 | 20.5 |
| 12 27 | 6 27.25 | +15 19.3 | 1.768 | 2.745 | 2.9 | 20.3 |
| 1 6 | 6 17.36 | +15 40.8 | 1.773 | 2.738 | 4.9 | 20.4 |
| 1 16 | 6 8.41 | +16 7.3 | 1.806 | 2.731 | 8.7 | 20.7 |
| 1 26 | 6 1.38 | +16 37.2 | 1.866 | 2.723 | 12.3 | 20.9 |
| 2 5 | 5 56.91 | +17 9.3 | 1.948 | 2.716 | 15.4 | 21.1 |

**227200** 2005 $QQ_{97}$ 12 27.7 88.°61 0.°6/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.49 | +20 42.2 | 1.500 | 2.354 | 15.1 | 20.4 |
| 12 7 | 6 48.96 | +21 2.6 | 1.452 | 2.375 | 10.6 | 20.2 |
| 12 17 | 6 38.84 | +21 26.9 | 1.428 | 2.395 | 5.7 | 19.9 |
| 12 27 | 6 27.38 | +21 52.0 | 1.432 | 2.415 | 0.7 | 19.6 |
| 1 6 | 6 16.07 | +22 15.2 | 1.464 | 2.435 | 4.8 | 20.0 |
| 1 16 | 6 6.33 | +22 35.4 | 1.524 | 2.454 | 9.5 | 20.3 |
| 1 26 | 5 59.25 | +22 52.8 | 1.609 | 2.473 | 13.6 | 20.6 |
| 2 5 | 5 55.38 | +23 8.1 | 1.714 | 2.491 | 16.9 | 20.8 |

**97716** 2000 $GC_{100}$ 12 27.7 216.°67 1.°0/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.06 | +20 2.7 | 2.726 | 3.566 | 9.5 | 20.2 |
| 12 7 | 6 43.04 | +19 56.4 | 2.644 | 3.560 | 6.8 | 20.0 |
| 12 17 | 6 35.54 | +19 52.0 | 2.589 | 3.554 | 3.7 | 19.8 |
| 12 27 | 6 27.17 | +19 49.0 | 2.565 | 3.547 | 1.0 | 19.5 |
| 1 6 | 6 18.72 | +19 46.9 | 2.572 | 3.540 | 3.2 | 19.7 |
| 1 16 | 6 10.95 | +19 45.6 | 2.609 | 3.533 | 6.4 | 19.9 |
| 1 26 | 6 4.56 | +19 45.3 | 2.674 | 3.526 | 9.2 | 20.1 |
| 2 5 | 6 0.03 | +19 46.2 | 2.763 | 3.518 | 11.7 | 20.3 |

**148539** 2001 $QH_{102}$ 12 27.7 187.°95 1.°2/27.8 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.60 | +19 30.3 | 1.657 | 2.509 | 14.0 | 20.4 |
| 12 7 | 6 47.69 | +19 39.6 | 1.587 | 2.508 | 10.1 | 20.1 |
| 12 17 | 6 38.27 | +19 53.7 | 1.542 | 2.508 | 5.5 | 19.9 |
| 12 27 | 6 27.36 | +20 10.8 | 1.525 | 2.507 | 1.3 | 19.6 |
| 1 6 | 6 16.30 | +20 29.0 | 1.536 | 2.506 | 4.7 | 19.8 |
| 1 16 | 6 6.46 | +20 46.9 | 1.575 | 2.504 | 9.3 | 20.1 |
| 1 26 | 5 58.98 | +21 4.4 | 1.640 | 2.503 | 13.5 | 20.3 |
| 2 5 | 5 54.54 | +21 21.5 | 1.726 | 2.500 | 16.9 | 20.6 |

**70541** 1999 $TW_{122}$ 12 27.7 3.°00 11.°3/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.10 | + 1 29.2 | 1.276 | 2.109 | 18.5 | 18.7 |
| 12 7 | 6 43.36 | + 0 3.2 | 1.222 | 2.108 | 15.4 | 18.5 |
| 12 17 | 6 36.03 | − 0 59.0 | 1.187 | 2.107 | 12.7 | 18.3 |
| 12 27 | 6 27.21 | − 1 30.6 | 1.175 | 2.108 | 11.3 | 18.3 |
| 1 6 | 6 18.31 | − 1 28.8 | 1.186 | 2.110 | 12.1 | 18.3 |
| 1 16 | 6 10.73 | − 0 55.4 | 1.219 | 2.114 | 14.6 | 18.5 |
| 1 26 | 6 5.65 | + 0 3.3 | 1.273 | 2.118 | 17.7 | 18.7 |
| 2 5 | 6 3.69 | + 1 18.9 | 1.344 | 2.124 | 20.6 | 18.9 |

**425256** 2009 $WX_{78}$ 12 27.7 175.°39 1.°3/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.82 | +25 29.3 | 1.844 | 2.691 | 13.0 | 21.7 |
| 12 7 | 6 49.14 | +25 56.9 | 1.774 | 2.694 | 9.3 | 21.5 |
| 12 17 | 6 39.00 | +26 23.7 | 1.730 | 2.696 | 5.0 | 21.3 |
| 12 27 | 6 27.41 | +26 45.9 | 1.715 | 2.698 | 1.3 | 21.0 |
| 1 6 | 6 15.69 | +27 1.2 | 1.730 | 2.698 | 4.6 | 21.2 |
| 1 16 | 6 5.19 | +27 8.9 | 1.774 | 2.698 | 8.8 | 21.5 |
| 1 26 | 5 57.02 | +27 10.5 | 1.844 | 2.698 | 12.6 | 21.7 |
| 2 5 | 5 51.83 | +27 8.2 | 1.936 | 2.697 | 15.8 | 21.9 |

**298374** 2003 $SZ_3$ 12 27.7 10.°49 2.°0/27.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.26 | +18 43.3 | 1.395 | 2.259 | 15.4 | 20.4 |
| 12 7 | 6 45.56 | +18 36.5 | 1.334 | 2.261 | 11.1 | 20.2 |
| 12 17 | 6 37.20 | +18 35.7 | 1.296 | 2.262 | 6.2 | 19.9 |
| 12 27 | 6 27.29 | +18 40.2 | 1.284 | 2.265 | 2.1 | 19.7 |
| 1 6 | 6 17.32 | +18 48.6 | 1.298 | 2.268 | 5.3 | 19.9 |
| 1 16 | 6 8.74 | +19 0.3 | 1.339 | 2.272 | 10.2 | 20.2 |
| 1 26 | 6 2.75 | +19 14.4 | 1.403 | 2.277 | 14.5 | 20.4 |
| 2 5 | 5 59.98 | +19 30.4 | 1.486 | 2.282 | 18.2 | 20.7 |

**458616** 2011 $FH_{69}$ 12 27.7 344.°45 1.°2/27.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.41 | +17 34.4 | 1.901 | 2.752 | 12.5 | 20.8 |
| 12 7 | 6 43.87 | +18 13.9 | 1.827 | 2.747 | 9.0 | 20.6 |
| 12 17 | 6 36.20 | +19 1.4 | 1.777 | 2.742 | 5.0 | 20.4 |
| 12 27 | 6 27.24 | +19 54.2 | 1.756 | 2.738 | 1.3 | 20.1 |
| 1 6 | 6 18.06 | +20 49.0 | 1.764 | 2.734 | 4.2 | 20.3 |
| 1 16 | 6 9.77 | +21 42.9 | 1.801 | 2.731 | 8.3 | 20.5 |
| 1 26 | 6 3.39 | +22 33.8 | 1.864 | 2.728 | 12.0 | 20.8 |
| 2 5 | 5 59.56 | +23 20.7 | 1.949 | 2.726 | 15.1 | 21.0 |

**235124** 2003 $QS_{33}$ 12 27.7 196.°55 0.°7/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.87 | +25 13.9 | 2.435 | 3.273 | 10.6 | 22.0 |
| 12 7 | 6 47.32 | +25 23.5 | 2.354 | 3.269 | 7.5 | 21.8 |
| 12 17 | 6 37.89 | +25 31.6 | 2.300 | 3.265 | 4.0 | 21.5 |
| 12 27 | 6 27.35 | +25 36.4 | 2.277 | 3.259 | 0.7 | 21.3 |
| 1 6 | 6 16.69 | +25 36.5 | 2.285 | 3.253 | 3.6 | 21.5 |
| 1 16 | 6 6.91 | +25 32.0 | 2.324 | 3.246 | 7.2 | 21.7 |
| 1 26 | 5 58.87 | +25 24.2 | 2.391 | 3.238 | 10.4 | 21.9 |
| 2 5 | 5 53.15 | +25 14.5 | 2.482 | 3.229 | 13.0 | 22.1 |

**278882** 2008 $TH_{77}$ 12 27.7 165.°00 2.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.64 | +28 15.7 | 2.010 | 2.854 | 12.3 | 22.0 |
| 12 7 | 6 48.86 | +28 41.5 | 1.943 | 2.859 | 8.8 | 21.8 |
| 12 17 | 6 38.79 | +29 3.7 | 1.901 | 2.864 | 4.9 | 21.6 |
| 12 27 | 6 27.41 | +29 18.7 | 1.889 | 2.869 | 2.1 | 21.4 |
| 1 6 | 6 15.97 | +29 24.6 | 1.907 | 2.872 | 4.6 | 21.6 |
| 1 16 | 6 5.72 | +29 21.4 | 1.954 | 2.875 | 8.4 | 21.8 |
| 1 26 | 5 57.68 | +29 11.3 | 2.029 | 2.878 | 11.8 | 22.0 |
| 2 5 | 5 52.45 | +28 57.1 | 2.125 | 2.879 | 14.7 | 22.3 |

**458107** 2010 $CK_{55}$ 12 27.7 7.°66 4.°5/29.1 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.49 | + 9 9.4 | 1.454 | 2.304 | 15.7 | 19.1 |
| 12 7 | 6 42.80 | + 9 53.6 | 1.394 | 2.307 | 11.8 | 18.9 |
| 12 17 | 6 35.72 | +10 57.4 | 1.356 | 2.311 | 7.7 | 18.6 |
| 12 27 | 6 27.21 | +12 18.6 | 1.344 | 2.317 | 4.7 | 18.5 |
| 1 6 | 6 18.57 | +13 52.3 | 1.359 | 2.324 | 6.1 | 18.6 |
| 1 16 | 6 11.08 | +15 31.9 | 1.401 | 2.333 | 10.0 | 18.8 |
| 1 26 | 6 5.87 | +17 11.4 | 1.468 | 2.343 | 14.0 | 19.1 |
| 2 5 | 6 3.59 | +18 45.9 | 1.556 | 2.355 | 17.4 | 19.3 |

**379553** 2011 $AU_{34}$ 12 27.7 348.°29 4.°4/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.43 | +15 26.9 | 1.124 | 1.995 | 17.8 | 20.8 |
| 12 7 | 6 46.18 | +14 54.4 | 1.062 | 1.990 | 13.1 | 20.5 |
| 12 17 | 6 37.73 | +14 32.3 | 1.021 | 1.985 | 8.0 | 20.2 |
| 12 27 | 6 27.35 | +14 22.2 | 1.003 | 1.981 | 4.5 | 20.0 |
| 1 6 | 6 16.78 | +14 24.4 | 1.010 | 1.978 | 7.2 | 20.1 |
| 1 16 | 6 7.79 | +14 38.0 | 1.041 | 1.975 | 12.3 | 20.4 |
| 1 26 | 6 1.84 | +15 1.1 | 1.093 | 1.974 | 17.2 | 20.7 |
| 2 5 | 5 59.65 | +15 30.6 | 1.162 | 1.973 | 21.3 | 20.9 |

**216966** 2000 $EW_4$ 12 27.7 84.°39 4.°3/27.5 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.31 | +36 31.6 | 2.231 | 3.066 | 11.5 | 20.8 |
| 12 7 | 6 47.08 | +36 51.5 | 2.172 | 3.077 | 8.7 | 20.6 |
| 12 17 | 6 37.76 | +37 1.5 | 2.139 | 3.087 | 5.8 | 20.5 |
| 12 27 | 6 27.34 | +36 58.1 | 2.134 | 3.098 | 4.3 | 20.4 |
| 1 6 | 6 17.01 | +36 40.3 | 2.158 | 3.108 | 5.6 | 20.5 |
| 1 16 | 6 7.90 | +36 9.6 | 2.211 | 3.119 | 8.3 | 20.7 |
| 1 26 | 6 0.93 | +35 29.5 | 2.290 | 3.129 | 11.0 | 20.9 |
| 2 5 | 5 56.61 | +34 44.2 | 2.392 | 3.139 | 13.5 | 21.1 |

**142874** 2002 $VU_{34}$ 12 27.7 29.°45 0.°6/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.92 | +23 36.9 | 1.466 | 2.331 | 14.7 | 19.0 |
| 12 7 | 6 45.95 | +23 58.5 | 1.412 | 2.340 | 10.4 | 18.8 |
| 12 17 | 6 37.36 | +24 21.5 | 1.381 | 2.350 | 5.5 | 18.5 |
| 12 27 | 6 27.32 | +24 42.5 | 1.377 | 2.360 | 0.7 | 18.2 |
| 1 6 | 6 17.30 | +24 59.1 | 1.401 | 2.372 | 4.9 | 18.5 |
| 1 16 | 6 8.72 | +25 10.4 | 1.450 | 2.383 | 9.6 | 18.8 |
| 1 26 | 6 2.74 | +25 17.4 | 1.524 | 2.396 | 13.8 | 19.1 |
| 2 5 | 5 59.93 | +25 21.4 | 1.618 | 2.409 | 17.2 | 19.4 |

**74340** 1998 $VM_{19}$ 12 27.7 302.°05 8.°1/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.06 | + 4 38.8 | 1.734 | 2.556 | 14.9 | 18.6 |
| 12 7 | 6 44.35 | + 3 33.3 | 1.661 | 2.547 | 12.0 | 18.4 |
| 12 17 | 6 36.46 | + 2 42.9 | 1.610 | 2.537 | 9.4 | 18.2 |
| 12 27 | 6 27.27 | + 2 12.0 | 1.585 | 2.527 | 8.1 | 18.1 |
| 1 6 | 6 17.90 | + 2 2.7 | 1.587 | 2.518 | 9.1 | 18.1 |
| 1 16 | 6 9.49 | + 2 14.9 | 1.614 | 2.509 | 11.7 | 18.2 |
| 1 26 | 6 3.07 | + 2 45.6 | 1.665 | 2.500 | 14.7 | 18.4 |
| 2 5 | 5 59.27 | + 3 30.2 | 1.736 | 2.491 | 17.5 | 18.6 |

**517568** 2014 $TH_{89}$ 12 27.7 53.°90 0.°7/27.6 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.77 | +24 55.0 | 2.073 | 2.924 | 11.6 | 21.4 |
| 12 7 | 6 44.58 | +25 5.1 | 2.010 | 2.932 | 8.2 | 21.2 |
| 12 17 | 6 36.46 | +25 14.5 | 1.973 | 2.940 | 4.4 | 21.0 |
| 12 27 | 6 27.27 | +25 21.0 | 1.965 | 2.948 | 0.7 | 20.7 |
| 1 6 | 6 18.08 | +25 23.6 | 1.986 | 2.956 | 3.9 | 21.0 |
| 1 16 | 6 9.93 | +25 22.1 | 2.037 | 2.964 | 7.6 | 21.3 |
| 1 26 | 6 3.69 | +25 17.7 | 2.113 | 2.973 | 11.0 | 21.5 |
| 2 5 | 5 59.89 | +25 11.6 | 2.212 | 2.981 | 13.8 | 21.7 |

**364002** 2005 $UQ_{434}$ 12 27.7 97.°76 0.°8/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.15 | +24 37.0 | 2.027 | 2.877 | 11.9 | 21.4 |
| 12 7 | 6 45.60 | +24 56.6 | 1.964 | 2.885 | 8.4 | 21.2 |
| 12 17 | 6 37.03 | +25 15.9 | 1.926 | 2.893 | 4.5 | 21.0 |
| 12 27 | 6 27.32 | +25 32.4 | 1.918 | 2.901 | 0.8 | 20.8 |
| 1 6 | 6 17.58 | +25 44.4 | 1.939 | 2.909 | 4.0 | 21.0 |
| 1 16 | 6 8.91 | +25 51.5 | 1.990 | 2.916 | 7.9 | 21.3 |
| 1 26 | 6 2.23 | +25 54.4 | 2.066 | 2.924 | 11.3 | 21.5 |
| 2 5 | 5 58.08 | +25 54.7 | 2.165 | 2.931 | 14.1 | 21.7 |

**288014** 2003 $UB_{211}$ 12 27.7 122.°02 1.°3/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.60 | +19 28.6 | 2.244 | 3.081 | 11.4 | 21.2 |
| 12 7 | 6 46.96 | +19 22.5 | 2.188 | 3.103 | 8.1 | 21.0 |
| 12 17 | 6 37.60 | +19 19.0 | 2.160 | 3.124 | 4.4 | 20.8 |
| 12 27 | 6 27.36 | +19 17.2 | 2.162 | 3.144 | 1.3 | 20.6 |
| 1 6 | 6 17.24 | +19 16.7 | 2.195 | 3.163 | 3.8 | 20.9 |
| 1 16 | 6 8.18 | +19 17.2 | 2.259 | 3.182 | 7.3 | 21.1 |
| 1 26 | 6 0.97 | +19 18.9 | 2.350 | 3.199 | 10.4 | 21.3 |
| 2 5 | 5 56.05 | +19 22.2 | 2.464 | 3.216 | 13.0 | 21.6 |

**201159** 2002 $LC_{18}$ 12 27.7 170.°76 0.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.59 | +21 54.8 | 2.081 | 2.926 | 11.9 | 21.2 |
| 12 7 | 6 46.61 | +22 12.0 | 2.010 | 2.929 | 8.4 | 21.0 |
| 12 17 | 6 37.58 | +22 31.1 | 1.966 | 2.932 | 4.5 | 20.8 |
| 12 27 | 6 27.37 | +22 50.0 | 1.951 | 2.934 | 0.3 | 20.5 |
| 1 6 | 6 17.06 | +23 6.8 | 1.966 | 2.936 | 3.9 | 20.8 |
| 1 16 | 6 7.75 | +23 20.8 | 2.011 | 2.937 | 7.8 | 21.0 |
| 1 26 | 6 0.38 | +23 32.3 | 2.083 | 2.938 | 11.3 | 21.2 |
| 2 5 | 5 55.52 | +23 41.8 | 2.177 | 2.938 | 14.2 | 21.4 |

**306789** 2001 $JJ_8$ 12 27.7 126.°60 4.°6/28.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.23 | + 9 18.8 | 2.385 | 3.202 | 11.5 | 21.3 |
| 12 7 | 6 45.20 | + 8 43.1 | 2.328 | 3.220 | 8.8 | 21.2 |
| 12 17 | 6 36.65 | + 8 16.7 | 2.298 | 3.238 | 6.1 | 21.0 |
| 12 27 | 6 27.32 | + 8 1.0 | 2.297 | 3.256 | 4.6 | 21.0 |
| 1 6 | 6 18.08 | + 7 56.2 | 2.326 | 3.272 | 5.6 | 21.1 |
| 1 16 | 6 9.73 | + 8 1.9 | 2.385 | 3.288 | 8.0 | 21.2 |
| 1 26 | 6 2.99 | + 8 16.5 | 2.471 | 3.304 | 10.6 | 21.4 |
| 2 5 | 5 58.28 | + 8 38.0 | 2.580 | 3.318 | 12.8 | 21.6 |

**227134** 2005 $OR_{12}$ 12 27.7 64.°15 4.°0/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.29 | +31 19.1 | 1.329 | 2.190 | 16.3 | 20.0 |
| 12 7 | 6 50.70 | +31 51.9 | 1.285 | 2.207 | 11.8 | 19.8 |
| 12 17 | 6 39.95 | +32 16.3 | 1.263 | 2.225 | 7.0 | 19.6 |
| 12 27 | 6 27.54 | +32 26.7 | 1.267 | 2.243 | 4.0 | 19.4 |
| 1 6 | 6 15.37 | +32 20.6 | 1.297 | 2.261 | 6.5 | 19.6 |
| 1 16 | 6 5.19 | +32 0.1 | 1.354 | 2.279 | 10.9 | 19.9 |
| 1 26 | 5 58.26 | +31 30.1 | 1.434 | 2.297 | 15.0 | 20.2 |
| 2 5 | 5 55.12 | +30 55.9 | 1.533 | 2.315 | 18.3 | 20.5 |

**254961** 2005 $SR_{210}$ 12 27.7 112.°64 1.°5/27.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.16 | +27 13.2 | 2.072 | 2.920 | 11.8 | 21.4 |
| 12 7 | 6 46.30 | +27 27.5 | 2.009 | 2.929 | 8.4 | 21.2 |
| 12 17 | 6 37.40 | +27 39.0 | 1.973 | 2.938 | 4.6 | 21.0 |
| 12 27 | 6 27.38 | +27 45.1 | 1.965 | 2.946 | 1.5 | 20.8 |
| 1 6 | 6 17.38 | +27 44.6 | 1.987 | 2.955 | 4.1 | 21.0 |
| 1 16 | 6 8.48 | +27 37.8 | 2.039 | 2.963 | 7.8 | 21.3 |
| 1 26 | 6 1.62 | +27 26.2 | 2.116 | 2.971 | 11.2 | 21.5 |
| 2 5 | 5 57.31 | +27 12.1 | 2.217 | 2.979 | 14.0 | 21.7 |

**339060** 2004 $PL_{23}$ 12 27.7 112.°27 0.°2/27.7 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.08 | +22 30.0 | 1.767 | 2.616 | 13.4 | 21.7 |
| 12 7 | 6 48.44 | +22 34.5 | 1.713 | 2.633 | 9.5 | 21.5 |
| 12 17 | 6 38.54 | +22 39.8 | 1.684 | 2.650 | 5.0 | 21.3 |
| 12 27 | 6 27.46 | +22 44.1 | 1.683 | 2.666 | 0.4 | 20.9 |
| 1 6 | 6 16.49 | +22 46.1 | 1.712 | 2.682 | 4.3 | 21.3 |
| 1 16 | 6 6.87 | +22 45.8 | 1.770 | 2.698 | 8.6 | 21.6 |
| 1 26 | 5 59.60 | +22 44.2 | 1.854 | 2.712 | 12.3 | 21.8 |
| 2 5 | 5 55.20 | +22 42.6 | 1.959 | 2.727 | 15.4 | 22.1 |

**65646** 1981 $EE_{17}$ 12 27.7 274.°39 22.°9/28.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.44 | −23 12.7 | 1.303 | 1.996 | 25.1 | 19.2 |
| 12 7 | 6 47.61 | −25 16.4 | 1.244 | 1.980 | 24.1 | 19.1 |
| 12 17 | 6 38.61 | −26 36.4 | 1.199 | 1.964 | 23.2 | 19.0 |
| 12 27 | 6 27.48 | −26 59.7 | 1.167 | 1.948 | 22.9 | 18.9 |
| 1 6 | 6 15.83 | −26 19.6 | 1.150 | 1.931 | 23.1 | 18.8 |
| 1 16 | 6 5.41 | −24 36.5 | 1.148 | 1.914 | 24.0 | 18.8 |
| 1 26 | 5 57.77 | −21 59.6 | 1.160 | 1.898 | 25.4 | 18.9 |
| 2 5 | 5 53.85 | −18 43.4 | 1.186 | 1.881 | 27.1 | 19.0 |

**104178** 2000 $EC_{90}$ 12 27.7 23.°51 3.°6/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.23 | +28 0.9 | 1.270 | 2.139 | 16.4 | 19.1 |
| 12 7 | 6 48.91 | +29 6.7 | 1.214 | 2.142 | 11.8 | 18.8 |
| 12 17 | 6 39.24 | +30 11.0 | 1.180 | 2.146 | 6.8 | 18.5 |
| 12 27 | 6 27.52 | +31 5.9 | 1.172 | 2.150 | 3.6 | 18.3 |
| 1 6 | 6 15.61 | +31 45.6 | 1.190 | 2.155 | 6.7 | 18.5 |
| 1 16 | 6 5.41 | +32 8.4 | 1.233 | 2.161 | 11.5 | 18.8 |
| 1 26 | 5 58.43 | +32 16.7 | 1.299 | 2.166 | 16.0 | 19.1 |
| 2 5 | 5 55.39 | +32 15.1 | 1.383 | 2.173 | 19.6 | 19.4 |

**195110** 2002 $CN_{137}$ 12 27.7 224.°62 2.°7/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.05 | +16 59.1 | 1.676 | 2.526 | 14.0 | 19.9 |
| 12 7 | 6 46.55 | +16 40.8 | 1.606 | 2.524 | 10.2 | 19.7 |
| 12 17 | 6 37.68 | +16 28.5 | 1.559 | 2.522 | 5.9 | 19.4 |
| 12 27 | 6 27.41 | +16 22.2 | 1.541 | 2.519 | 2.7 | 19.2 |
| 1 6 | 6 17.03 | +16 21.7 | 1.550 | 2.517 | 5.2 | 19.4 |
| 1 16 | 6 7.82 | +16 26.5 | 1.588 | 2.514 | 9.5 | 19.6 |
| 1 26 | 6 0.85 | +16 36.3 | 1.650 | 2.512 | 13.4 | 19.9 |
| 2 5 | 5 56.76 | +16 50.1 | 1.733 | 2.509 | 16.8 | 20.1 |

**335472** 2005 $WW_{88}$ 12 27.7 31.°63 1.°1/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.15 | +25 11.8 | 1.244 | 2.115 | 16.5 | 20.5 |
| 12 7 | 6 47.89 | +25 24.1 | 1.193 | 2.123 | 11.7 | 20.2 |
| 12 17 | 6 38.54 | +25 35.5 | 1.163 | 2.132 | 6.3 | 20.0 |
| 12 27 | 6 27.47 | +25 42.4 | 1.158 | 2.141 | 1.2 | 19.6 |
| 1 6 | 6 16.47 | +25 42.8 | 1.179 | 2.151 | 5.5 | 20.0 |
| 1 16 | 6 7.23 | +25 37.1 | 1.226 | 2.161 | 10.8 | 20.3 |
| 1 26 | 6 1.07 | +25 27.5 | 1.296 | 2.172 | 15.4 | 20.6 |
| 2 5 | 5 58.58 | +25 16.4 | 1.384 | 2.184 | 19.1 | 20.9 |

**113718** 2002 $TV_{135}$ 12 27.7 338.°24 0.°2/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.33 | +23 44.1 | 2.087 | 2.939 | 11.5 | 19.2 |
| 12 7 | 6 44.32 | +23 22.6 | 2.012 | 2.934 | 8.2 | 19.0 |
| 12 17 | 6 36.37 | +22 59.9 | 1.962 | 2.929 | 4.4 | 18.8 |
| 12 27 | 6 27.34 | +22 35.5 | 1.942 | 2.925 | 0.4 | 18.5 |
| 1 6 | 6 18.26 | +22 9.8 | 1.951 | 2.921 | 3.8 | 18.7 |
| 1 16 | 6 10.15 | +21 43.7 | 1.989 | 2.917 | 7.7 | 19.0 |
| 1 26 | 6 3.90 | +21 18.7 | 2.053 | 2.914 | 11.2 | 19.2 |
| 2 5 | 6 0.06 | +20 56.2 | 2.140 | 2.911 | 14.1 | 19.4 |

**460992** 2014 $WW_{347}$ 12 27.7 122.°66 1.°8/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.94 | +19 5.7 | 2.359 | 3.200 | 10.8 | 21.3 |
| 12 7 | 6 44.44 | +18 28.8 | 2.290 | 3.205 | 7.7 | 21.1 |
| 12 17 | 6 36.32 | +17 53.7 | 2.247 | 3.210 | 4.4 | 20.9 |
| 12 27 | 6 27.33 | +17 21.0 | 2.235 | 3.214 | 1.8 | 20.7 |
| 1 6 | 6 18.38 | +16 51.6 | 2.253 | 3.219 | 3.9 | 20.9 |
| 1 16 | 6 10.32 | +16 26.5 | 2.301 | 3.223 | 7.2 | 21.1 |
| 1 26 | 6 3.90 | +16 6.2 | 2.376 | 3.228 | 10.2 | 21.3 |
| 2 5 | 5 59.59 | +15 50.9 | 2.475 | 3.232 | 12.8 | 21.5 |

**216944** 1999 $TC_{61}$ 12 27.7 157.°49 2.°8/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.88 | +16 9.4 | 1.763 | 2.604 | 13.8 | 21.9 |
| 12 7 | 6 48.37 | +15 57.6 | 1.698 | 2.612 | 10.0 | 21.7 |
| 12 17 | 6 38.57 | +15 52.3 | 1.658 | 2.619 | 5.9 | 21.5 |
| 12 27 | 6 27.50 | +15 53.3 | 1.647 | 2.625 | 2.8 | 21.3 |
| 1 6 | 6 16.39 | +15 59.9 | 1.665 | 2.630 | 5.1 | 21.4 |
| 1 16 | 6 6.51 | +16 11.4 | 1.711 | 2.635 | 9.1 | 21.7 |
| 1 26 | 5 58.86 | +16 26.9 | 1.784 | 2.639 | 12.9 | 21.9 |
| 2 5 | 5 54.05 | +16 45.6 | 1.877 | 2.642 | 16.1 | 22.1 |

**366316** 2013 $CW_{183}$ 12 27.7 231.°67 0.°5/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.84 | +23 37.3 | 2.038 | 2.887 | 11.9 | 21.2 |
| 12 7 | 6 46.26 | +23 58.9 | 1.959 | 2.879 | 8.5 | 20.9 |
| 12 17 | 6 37.51 | +24 21.6 | 1.905 | 2.872 | 4.5 | 20.7 |
| 12 27 | 6 27.43 | +24 42.6 | 1.880 | 2.864 | 0.6 | 20.4 |
| 1 6 | 6 17.14 | +25 0.0 | 1.886 | 2.855 | 4.0 | 20.6 |
| 1 16 | 6 7.80 | +25 12.9 | 1.920 | 2.847 | 8.1 | 20.9 |
| 1 26 | 6 0.41 | +25 21.7 | 1.981 | 2.838 | 11.7 | 21.1 |
| 2 5 | 5 55.62 | +25 27.6 | 2.064 | 2.829 | 14.8 | 21.3 |

**92391** 2000 $JE_7$ 12 27.7 180.°88 1.°9/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.51 | +27 20.8 | 2.030 | 2.873 | 12.2 | 20.3 |
| 12 7 | 6 48.85 | +27 54.2 | 1.958 | 2.875 | 8.7 | 20.0 |
| 12 17 | 6 38.87 | +28 25.3 | 1.912 | 2.876 | 4.9 | 19.8 |
| 12 27 | 6 27.52 | +28 50.3 | 1.896 | 2.876 | 1.9 | 19.6 |
| 1 6 | 6 16.02 | +29 6.8 | 1.910 | 2.875 | 4.5 | 19.8 |
| 1 16 | 6 5.62 | +29 14.1 | 1.953 | 2.874 | 8.4 | 20.0 |
| 1 26 | 5 57.38 | +29 13.8 | 2.023 | 2.872 | 11.9 | 20.2 |
| 2 5 | 5 51.94 | +29 8.6 | 2.116 | 2.869 | 14.8 | 20.4 |

**448775** 2011 $SE_{91}$ 12 27.7 116.°92 0.°6/27.7 15

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.17 | +24 53.3 | 2.052 | 2.897 | 12.0 | 22.1 |
| 12 7 | 6 47.61 | +25 0.1 | 1.996 | 2.915 | 8.5 | 21.9 |
| 12 17 | 6 38.05 | +25 5.4 | 1.967 | 2.933 | 4.5 | 21.7 |
| 12 27 | 6 27.46 | +25 7.3 | 1.966 | 2.949 | 0.7 | 21.4 |
| 1 6 | 6 16.97 | +25 4.9 | 1.997 | 2.966 | 3.9 | 21.7 |
| 1 16 | 6 7.68 | +24 58.4 | 2.056 | 2.982 | 7.7 | 22.0 |
| 1 26 | 6 0.46 | +24 49.3 | 2.143 | 2.997 | 11.1 | 22.2 |
| 2 5 | 5 55.81 | +24 39.2 | 2.252 | 3.011 | 13.9 | 22.5 |

**27371** 2000 $ER_{40}$ 12 27.7 173.°26 0.°4/27.7 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.80 | +24 8.7 | 2.746 | 3.588 | 9.4 | 19.4 |
| 12 7 | 6 43.61 | +24 21.8 | 2.672 | 3.590 | 6.6 | 19.2 |
| 12 17 | 6 35.90 | +24 34.7 | 2.626 | 3.591 | 3.5 | 19.0 |
| 12 27 | 6 27.33 | +24 45.8 | 2.610 | 3.593 | 0.5 | 18.8 |
| 1 6 | 6 18.70 | +24 54.1 | 2.625 | 3.594 | 3.1 | 19.0 |
| 1 16 | 6 10.79 | +24 59.3 | 2.670 | 3.594 | 6.2 | 19.2 |
| 1 26 | 6 4.32 | +25 1.7 | 2.744 | 3.595 | 9.0 | 19.4 |
| 2 5 | 5 59.76 | +25 2.3 | 2.841 | 3.595 | 11.4 | 19.5 |

**42961** 1999 $TD_{140}$ 12 27.7 179.°77 6.°6/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.87 | + 5 52.7 | 2.008 | 2.823 | 13.4 | 19.9 |
| 12 7 | 6 45.33 | + 4 59.4 | 1.940 | 2.824 | 10.6 | 19.8 |
| 12 17 | 6 36.91 | + 4 19.0 | 1.896 | 2.825 | 8.0 | 19.6 |
| 12 27 | 6 27.41 | + 3 54.5 | 1.879 | 2.825 | 6.7 | 19.5 |
| 1 6 | 6 17.84 | + 3 47.1 | 1.890 | 2.825 | 7.6 | 19.6 |
| 1 16 | 6 9.21 | + 3 56.4 | 1.930 | 2.824 | 10.0 | 19.7 |
| 1 26 | 6 2.38 | + 4 20.1 | 1.994 | 2.824 | 12.8 | 19.9 |
| 2 5 | 5 57.90 | + 4 54.6 | 2.079 | 2.822 | 15.4 | 20.1 |

**409050** 2003 $SH_{79}$ 12 27.7 37.°98 4.°3/27.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.14 | +34 35.6 | 1.731 | 2.581 | 13.6 | 20.1 |
| 12 7 | 6 47.30 | +34 54.1 | 1.683 | 2.598 | 10.0 | 20.0 |
| 12 17 | 6 38.01 | +35 2.2 | 1.660 | 2.615 | 6.4 | 19.8 |
| 12 27 | 6 27.48 | +34 56.4 | 1.663 | 2.634 | 4.3 | 19.7 |
| 1 6 | 6 17.15 | +34 35.5 | 1.694 | 2.652 | 6.0 | 19.8 |
| 1 16 | 6 8.37 | +34 1.9 | 1.753 | 2.672 | 9.3 | 20.1 |
| 1 26 | 6 2.15 | +33 19.7 | 1.837 | 2.691 | 12.6 | 20.3 |
| 2 5 | 5 58.97 | +32 33.7 | 1.941 | 2.711 | 15.4 | 20.6 |

**224800** 2006 $UY_{96}$ 12 27.7 278.°70 4.°7/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.36 | +13 25.9 | 1.430 | 2.281 | 15.9 | 20.8 |
| 12 7 | 6 47.21 | +12 57.8 | 1.353 | 2.269 | 11.9 | 20.6 |
| 12 17 | 6 38.26 | +12 40.0 | 1.299 | 2.256 | 7.6 | 20.3 |
| 12 27 | 6 27.52 | +12 34.3 | 1.270 | 2.243 | 4.7 | 20.1 |
| 1 6 | 6 16.45 | +12 40.9 | 1.268 | 2.231 | 6.8 | 20.2 |
| 1 16 | 6 6.58 | +12 58.8 | 1.292 | 2.218 | 11.3 | 20.4 |
| 1 26 | 5 59.24 | +13 26.3 | 1.340 | 2.205 | 15.7 | 20.6 |
| 2 5 | 5 55.20 | +14 0.6 | 1.406 | 2.192 | 19.5 | 20.8 |

**5401** Minamioda 12 27.7 25.°33 5.°1/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.90 | +33 7.0 | 1.547 | 2.404 | 14.5 | 15.8 |
| 12 7 | 6 47.62 | +34 14.5 | 1.493 | 2.412 | 10.8 | 15.6 |
| 12 17 | 6 38.43 | +35 14.6 | 1.463 | 2.419 | 7.0 | 15.4 |
| 12 27 | 6 27.52 | +36 0.3 | 1.459 | 2.428 | 5.1 | 15.3 |
| 1 6 | 6 16.52 | +36 27.2 | 1.482 | 2.437 | 7.1 | 15.4 |
| 1 16 | 6 7.03 | +36 35.1 | 1.532 | 2.447 | 10.7 | 15.6 |
| 1 26 | 6 0.35 | +36 27.3 | 1.605 | 2.457 | 14.2 | 15.9 |
| 2 5 | 5 57.15 | +36 9.1 | 1.697 | 2.468 | 17.3 | 16.1 |

**375515** 2008 $UE_{122}$ 12 27.7 190.°39 0.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.05 | +23 23.2 | 2.710 | 3.551 | 9.5 | 20.9 |
| 12 7 | 6 43.78 | +23 15.2 | 2.633 | 3.550 | 6.7 | 20.8 |
| 12 17 | 6 35.99 | +23 6.8 | 2.583 | 3.549 | 3.6 | 20.6 |
| 12 27 | 6 27.37 | +22 57.2 | 2.564 | 3.547 | 0.3 | 20.3 |
| 1 6 | 6 18.70 | +22 46.0 | 2.576 | 3.545 | 3.1 | 20.5 |
| 1 16 | 6 10.78 | +22 33.6 | 2.618 | 3.543 | 6.3 | 20.7 |
| 1 26 | 6 4.31 | +22 20.8 | 2.689 | 3.541 | 9.2 | 20.9 |
| 2 5 | 5 59.77 | +22 8.5 | 2.783 | 3.538 | 11.6 | 21.1 |

**104468** 2000 $GN_{15}$ 12 27.7 187.°79 6.°7/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.47 | + 4 58.1 | 2.042 | 2.855 | 13.3 | 19.8 |
| 12 7 | 6 44.35 | + 4 15.0 | 1.972 | 2.855 | 10.6 | 19.6 |
| 12 17 | 6 36.40 | + 3 45.9 | 1.927 | 2.854 | 8.1 | 19.5 |
| 12 27 | 6 27.40 | + 3 33.3 | 1.909 | 2.854 | 6.7 | 19.4 |
| 1 6 | 6 18.31 | + 3 38.0 | 1.919 | 2.853 | 7.5 | 19.4 |
| 1 16 | 6 10.10 | + 3 59.1 | 1.956 | 2.852 | 9.9 | 19.6 |
| 1 26 | 6 3.62 | + 4 33.7 | 2.018 | 2.850 | 12.6 | 19.7 |
| 2 5 | 5 59.43 | + 5 18.2 | 2.102 | 2.849 | 15.1 | 19.9 |

**243013** 2006 $UY_{156}$ 12 27.7 140.°72 1.°3/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.31 | +25 56.6 | 1.921 | 2.772 | 12.4 | 20.8 |
| 12 7 | 6 46.63 | +26 20.7 | 1.853 | 2.775 | 8.8 | 20.6 |
| 12 17 | 6 37.71 | +26 43.6 | 1.812 | 2.777 | 4.8 | 20.3 |
| 12 27 | 6 27.49 | +27 2.3 | 1.798 | 2.780 | 1.3 | 20.1 |
| 1 6 | 6 17.19 | +27 14.5 | 1.814 | 2.782 | 4.3 | 20.3 |
| 1 16 | 6 7.99 | +27 20.0 | 1.859 | 2.785 | 8.4 | 20.5 |
| 1 26 | 6 0.93 | +27 19.8 | 1.929 | 2.787 | 12.0 | 20.8 |
| 2 5 | 5 56.62 | +27 16.1 | 2.022 | 2.789 | 15.0 | 21.0 |

**511760** 2015 $DH_{204}$ 12 27.7 220.°13 0.°0/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.33 | +23 41.9 | 1.638 | 2.490 | 14.2 | 21.4 |
| 12 7 | 6 49.80 | +23 33.6 | 1.561 | 2.483 | 10.1 | 21.1 |
| 12 17 | 6 39.54 | +23 24.5 | 1.508 | 2.475 | 5.5 | 20.8 |
| 12 27 | 6 27.63 | +23 12.6 | 1.483 | 2.467 | 0.4 | 20.4 |
| 1 6 | 6 15.51 | +22 57.3 | 1.488 | 2.458 | 4.8 | 20.7 |
| 1 16 | 6 4.70 | +22 39.4 | 1.520 | 2.448 | 9.7 | 21.0 |
| 1 26 | 5 56.43 | +22 21.0 | 1.578 | 2.438 | 14.0 | 21.2 |
| 2 5 | 5 51.42 | +22 4.2 | 1.656 | 2.428 | 17.6 | 21.4 |

**384366** 2009 $UF_{108}$ 12 27.7 341.°91 2.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.43 | +26 3.3 | 1.177 | 2.053 | 16.8 | 20.8 |
| 12 7 | 6 47.17 | +26 35.7 | 1.111 | 2.044 | 12.1 | 20.5 |
| 12 17 | 6 38.46 | +27 8.1 | 1.066 | 2.035 | 6.7 | 20.2 |
| 12 27 | 6 27.56 | +27 35.2 | 1.046 | 2.028 | 2.1 | 19.9 |
| 1 6 | 6 16.34 | +27 52.9 | 1.051 | 2.022 | 6.2 | 20.1 |
| 1 16 | 6 6.74 | +28 0.0 | 1.081 | 2.017 | 11.8 | 20.4 |
| 1 26 | 6 0.37 | +27 58.6 | 1.132 | 2.012 | 16.8 | 20.7 |
| 2 5 | 5 58.04 | +27 51.8 | 1.201 | 2.009 | 20.9 | 20.9 |

**251178** 2006 $UE_{32}$ 12 27.7 121.°17 2.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.69 | +28 34.9 | 2.132 | 2.976 | 11.6 | 21.3 |
| 12 7 | 6 47.37 | +29 3.3 | 2.073 | 2.990 | 8.3 | 21.1 |
| 12 17 | 6 38.00 | +29 27.9 | 2.041 | 3.004 | 4.7 | 20.9 |
| 12 27 | 6 27.52 | +29 45.6 | 2.038 | 3.017 | 2.1 | 20.8 |
| 1 6 | 6 17.06 | +29 54.6 | 2.065 | 3.030 | 4.4 | 21.0 |
| 1 16 | 6 7.73 | +29 54.9 | 2.122 | 3.042 | 7.8 | 21.2 |
| 1 26 | 6 0.44 | +29 48.2 | 2.205 | 3.054 | 11.0 | 21.4 |
| 2 5 | 5 55.74 | +29 37.2 | 2.311 | 3.066 | 13.7 | 21.6 |

**340276** 2006 $BD_{217}$ 12 27.7 252.°60 2.°8/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.83 | +29 37.4 | 1.616 | 2.471 | 14.2 | 20.7 |
| 12 7 | 6 48.86 | +30 0.0 | 1.546 | 2.467 | 10.3 | 20.5 |
| 12 17 | 6 39.07 | +30 17.5 | 1.501 | 2.464 | 5.9 | 20.2 |
| 12 27 | 6 27.60 | +30 25.5 | 1.482 | 2.461 | 2.9 | 20.0 |
| 1 6 | 6 15.98 | +30 21.7 | 1.492 | 2.458 | 5.5 | 20.2 |
| 1 16 | 6 5.76 | +30 6.5 | 1.529 | 2.454 | 9.9 | 20.4 |
| 1 26 | 5 58.22 | +29 43.4 | 1.591 | 2.451 | 13.9 | 20.7 |
| 2 5 | 5 54.02 | +29 16.2 | 1.673 | 2.447 | 17.3 | 20.9 |

**487211** 2014 $OL_{377}$ 12 27.7 148.°71 1.°6/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.42 | +27 51.6 | 2.222 | 3.067 | 11.2 | 22.0 |
| 12 7 | 6 46.45 | +28 7.8 | 2.155 | 3.073 | 8.0 | 21.8 |
| 12 17 | 6 37.51 | +28 20.8 | 2.115 | 3.079 | 4.4 | 21.6 |
| 12 27 | 6 27.49 | +28 28.1 | 2.104 | 3.084 | 1.7 | 21.4 |
| 1 6 | 6 17.44 | +28 28.4 | 2.123 | 3.089 | 4.0 | 21.6 |
| 1 16 | 6 8.41 | +28 21.8 | 2.171 | 3.094 | 7.5 | 21.8 |
| 1 26 | 6 1.30 | +28 10.0 | 2.247 | 3.099 | 10.7 | 22.0 |
| 2 5 | 5 56.65 | +27 55.3 | 2.345 | 3.103 | 13.4 | 22.2 |

**338459** 2003 $FO_{26}$ 12 27.7 342.°50 1.°4/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.90 | +19 27.7 | 1.199 | 2.073 | 16.7 | 20.1 |
| 12 7 | 6 45.88 | +19 36.4 | 1.132 | 2.064 | 12.1 | 19.8 |
| 12 17 | 6 37.71 | +19 52.6 | 1.087 | 2.055 | 6.7 | 19.4 |
| 12 27 | 6 27.54 | +20 14.2 | 1.065 | 2.048 | 1.5 | 19.1 |
| 1 6 | 6 17.07 | +20 38.6 | 1.069 | 2.042 | 5.7 | 19.4 |
| 1 16 | 6 8.06 | +21 3.6 | 1.098 | 2.036 | 11.3 | 19.6 |
| 1 26 | 6 1.99 | +21 28.3 | 1.148 | 2.032 | 16.4 | 19.9 |
| 2 5 | 5 59.66 | +21 52.2 | 1.217 | 2.028 | 20.5 | 20.2 |

**67819** 2000 $VP_{32}$ 12 27.7 96.°81 1.°3/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 59.23 | +24 33.5 | 1.425 | 2.281 | 15.6 | 18.9 |
| 12 7 | 6 51.15 | +25 10.8 | 1.379 | 2.302 | 11.0 | 18.7 |
| 12 17 | 6 40.19 | +25 47.9 | 1.356 | 2.323 | 5.9 | 18.5 |
| 12 27 | 6 27.70 | +26 19.8 | 1.361 | 2.343 | 1.3 | 18.2 |
| 1 6 | 6 15.38 | +26 43.3 | 1.394 | 2.363 | 5.2 | 18.5 |
| 1 16 | 6 4.81 | +26 57.8 | 1.454 | 2.382 | 10.0 | 18.8 |
| 1 26 | 5 57.20 | +27 5.1 | 1.538 | 2.401 | 14.2 | 19.1 |
| 2 5 | 5 53.11 | +27 7.7 | 1.643 | 2.419 | 17.6 | 19.4 |

**277585** 2005 $YN_{281}$ 12 27.7 91.°23 0.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.43 | +22 19.7 | 1.628 | 2.480 | 14.2 | 21.0 |
| 12 7 | 6 48.86 | +22 42.9 | 1.580 | 2.502 | 10.0 | 20.8 |
| 12 17 | 6 38.88 | +23 7.9 | 1.556 | 2.523 | 5.3 | 20.6 |
| 12 27 | 6 27.62 | +23 31.6 | 1.561 | 2.544 | 0.4 | 20.3 |
| 1 6 | 6 16.51 | +23 51.5 | 1.594 | 2.564 | 4.5 | 20.7 |
| 1 16 | 6 6.87 | +24 6.8 | 1.655 | 2.584 | 9.0 | 21.0 |
| 1 26 | 5 59.73 | +24 18.4 | 1.742 | 2.604 | 12.8 | 21.2 |
| 2 5 | 5 55.63 | +24 27.2 | 1.851 | 2.623 | 16.0 | 21.5 |

**270199** 2001 $TH_{13}$ 12 27.7 249.°51 17.°7/25.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.92 | − 9 9.2 | 1.280 | 2.055 | 21.7 | 20.1 |
| 12 7 | 6 49.27 | −11 45.0 | 1.219 | 2.043 | 19.7 | 19.9 |
| 12 17 | 6 39.50 | −13 50.9 | 1.176 | 2.031 | 18.2 | 19.7 |
| 12 27 | 6 27.69 | −15 14.0 | 1.153 | 2.018 | 17.7 | 19.7 |
| 1 6 | 6 15.44 | −15 46.3 | 1.151 | 2.004 | 18.5 | 19.7 |
| 1 16 | 6 4.45 | −15 27.4 | 1.168 | 1.990 | 20.4 | 19.7 |
| 1 26 | 5 56.22 | −14 24.0 | 1.201 | 1.975 | 22.8 | 19.9 |
| 2 5 | 5 51.62 | −12 48.0 | 1.249 | 1.961 | 25.2 | 20.0 |

**176358** 2001 $TC_{99}$ 12 27.7 198.°76 4.°8/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.40 | +37 23.0 | 2.279 | 3.108 | 11.5 | 20.5 |
| 12 7 | 6 48.81 | +38 1.5 | 2.206 | 3.105 | 8.8 | 20.3 |
| 12 17 | 6 38.91 | +38 30.5 | 2.158 | 3.102 | 6.2 | 20.1 |
| 12 27 | 6 27.64 | +38 45.1 | 2.140 | 3.099 | 4.8 | 20.0 |
| 1 6 | 6 16.24 | +38 43.2 | 2.151 | 3.095 | 6.1 | 20.1 |
| 1 16 | 6 5.95 | +38 25.3 | 2.190 | 3.090 | 8.7 | 20.2 |
| 1 26 | 5 57.83 | +37 54.8 | 2.256 | 3.086 | 11.5 | 20.4 |
| 2 5 | 5 52.52 | +37 16.3 | 2.344 | 3.080 | 14.0 | 20.6 |

**364832** 2008 $CC_{108}$ 12 27.7 254.°38 2.°1/27.5 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.17 | +27 54.8 | 1.922 | 2.773 | 12.4 | 21.9 |
| 12 7 | 6 46.64 | +28 25.0 | 1.851 | 2.771 | 8.9 | 21.7 |
| 12 17 | 6 37.80 | +28 52.7 | 1.805 | 2.769 | 5.0 | 21.4 |
| 12 27 | 6 27.57 | +29 14.2 | 1.787 | 2.767 | 2.1 | 21.2 |
| 1 6 | 6 17.18 | +29 27.1 | 1.798 | 2.765 | 4.7 | 21.4 |
| 1 16 | 6 7.89 | +29 31.0 | 1.838 | 2.762 | 8.6 | 21.6 |
| 1 26 | 6 0.76 | +29 27.4 | 1.904 | 2.760 | 12.2 | 21.8 |
| 2 5 | 5 56.43 | +29 18.8 | 1.991 | 2.758 | 15.2 | 22.0 |

**199264** 2006 $BC_{14}$ 12 27.7 354.°57 0.°7/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.29 | +24 31.6 | 1.339 | 2.207 | 15.7 | 20.2 |
| 12 7 | 6 47.33 | +24 38.5 | 1.275 | 2.205 | 11.2 | 19.9 |
| 12 17 | 6 38.36 | +24 45.2 | 1.234 | 2.203 | 6.0 | 19.6 |
| 12 27 | 6 27.61 | +24 48.8 | 1.218 | 2.201 | 0.8 | 19.3 |
| 1 6 | 6 16.73 | +24 47.6 | 1.229 | 2.200 | 5.3 | 19.6 |
| 1 16 | 6 7.37 | +24 41.6 | 1.265 | 2.200 | 10.5 | 19.9 |
| 1 26 | 6 0.88 | +24 32.6 | 1.325 | 2.200 | 15.2 | 20.2 |
| 2 5 | 5 57.95 | +24 22.9 | 1.404 | 2.201 | 19.0 | 20.4 |

**518952** 2010 $HD_{10}$ 12 27.7 332.°21 12.°3/29.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 46.99 | −13 8.4 | 2.163 | 2.885 | 15.5 | 20.8 |
| 12 7 | 6 41.94 | −14 12.2 | 2.098 | 2.878 | 14.0 | 20.7 |
| 12 17 | 6 35.17 | −14 50.9 | 2.052 | 2.872 | 12.9 | 20.6 |
| 12 27 | 6 27.38 | −14 59.6 | 2.028 | 2.865 | 12.3 | 20.6 |
| 1 6 | 6 19.46 | −14 36.7 | 2.027 | 2.860 | 12.5 | 20.6 |
| 1 16 | 6 12.31 | −13 43.7 | 2.049 | 2.854 | 13.4 | 20.6 |
| 1 26 | 6 6.72 | −12 25.2 | 2.092 | 2.849 | 14.8 | 20.7 |
| 2 5 | 6 3.25 | −10 48.2 | 2.154 | 2.844 | 16.4 | 20.8 |

**82892** 2001 $QN_{86}$ 12 27.7 26.°65 2.°5/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.12 | +19 13.5 | 1.746 | 2.598 | 13.5 | 19.4 |
| 12 7 | 6 46.46 | +18 21.8 | 1.680 | 2.600 | 9.7 | 19.1 |
| 12 17 | 6 37.60 | +17 31.8 | 1.639 | 2.602 | 5.6 | 18.9 |
| 12 27 | 6 27.55 | +16 45.2 | 1.626 | 2.605 | 2.5 | 18.7 |
| 1 6 | 6 17.53 | +16 3.8 | 1.641 | 2.608 | 5.0 | 18.9 |
| 1 16 | 6 8.73 | +15 29.3 | 1.685 | 2.611 | 9.1 | 19.1 |
| 1 26 | 6 2.13 | +15 2.9 | 1.755 | 2.614 | 12.9 | 19.4 |
| 2 5 | 5 58.26 | +14 44.6 | 1.845 | 2.618 | 16.0 | 19.6 |

**412047** 2013 $DV_{11}$ 12 27.7 95.°96 8.°2/28.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 11.34 | +42 35.7 | 1.137 | 1.976 | 19.9 | 20.6 |
| 12 7 | 7 0.60 | +42 21.0 | 1.084 | 1.986 | 15.6 | 20.3 |
| 12 17 | 6 45.40 | +41 37.8 | 1.052 | 1.995 | 11.1 | 20.1 |
| 12 27 | 6 28.07 | +40 18.5 | 1.043 | 2.004 | 8.3 | 20.0 |
| 1 6 | 6 11.57 | +38 25.3 | 1.061 | 2.014 | 9.6 | 20.1 |
| 1 16 | 5 58.38 | +36 9.9 | 1.105 | 2.023 | 13.6 | 20.3 |
| 1 26 | 5 49.93 | +33 48.2 | 1.171 | 2.031 | 17.9 | 20.6 |
| 2 5 | 5 46.47 | +31 32.9 | 1.257 | 2.040 | 21.6 | 20.9 |

**482654** 2013 $BF_{52}$ 12 27.7 201.°81 3.°7/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.59 | +34 28.0 | 2.341 | 3.173 | 11.2 | 21.6 |
| 12 7 | 6 48.83 | +34 53.6 | 2.263 | 3.169 | 8.3 | 21.5 |
| 12 17 | 6 38.88 | +35 11.3 | 2.211 | 3.164 | 5.4 | 21.3 |
| 12 27 | 6 27.65 | +35 17.4 | 2.189 | 3.158 | 3.7 | 21.1 |
| 1 6 | 6 16.30 | +35 9.9 | 2.198 | 3.151 | 5.2 | 21.2 |
| 1 16 | 6 5.99 | +34 49.7 | 2.235 | 3.144 | 8.1 | 21.4 |
| 1 26 | 5 57.73 | +34 19.7 | 2.300 | 3.137 | 11.1 | 21.6 |
| 2 5 | 5 52.12 | +33 43.8 | 2.388 | 3.128 | 13.7 | 21.8 |

**247705** 2003 $CF_{24}$ 12 27.7 43.°28 2.°0/27.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.29 | +28 12.7 | 1.784 | 2.638 | 13.1 | 20.6 |
| 12 7 | 6 46.74 | +28 28.9 | 1.721 | 2.643 | 9.3 | 20.4 |
| 12 17 | 6 37.83 | +28 41.3 | 1.683 | 2.648 | 5.2 | 20.2 |
| 12 27 | 6 27.57 | +28 46.9 | 1.672 | 2.653 | 2.0 | 20.0 |
| 1 6 | 6 17.30 | +28 43.9 | 1.690 | 2.658 | 4.7 | 20.2 |
| 1 16 | 6 8.29 | +28 33.0 | 1.737 | 2.663 | 8.8 | 20.4 |
| 1 26 | 6 1.61 | +28 16.2 | 1.808 | 2.669 | 12.5 | 20.7 |
| 2 5 | 5 57.83 | +27 56.5 | 1.901 | 2.674 | 15.6 | 20.9 |

**295702** 2008 $TS_{183}$ 12 27.7 194.°73 1.°7/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.90 | +16 37.7 | 2.742 | 3.577 | 9.6 | 21.6 |
| 12 7 | 6 42.99 | +16 39.1 | 2.664 | 3.575 | 7.0 | 21.4 |
| 12 17 | 6 35.62 | +16 44.9 | 2.612 | 3.573 | 4.0 | 21.2 |
| 12 27 | 6 27.43 | +16 54.6 | 2.591 | 3.570 | 1.8 | 21.1 |
| 1 6 | 6 19.14 | +17 7.6 | 2.601 | 3.567 | 3.5 | 21.2 |
| 1 16 | 6 11.51 | +17 23.0 | 2.641 | 3.564 | 6.4 | 21.4 |
| 1 26 | 6 5.21 | +17 40.3 | 2.710 | 3.560 | 9.2 | 21.5 |
| 2 5 | 6 0.72 | +17 58.9 | 2.802 | 3.556 | 11.5 | 21.7 |

**176154** 2001 $GA$ 12 27.7 223.°44 3.°1/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.65 | +29 52.1 | 1.635 | 2.486 | 14.2 | 20.6 |
| 12 7 | 6 50.24 | +30 24.3 | 1.561 | 2.480 | 10.3 | 20.3 |
| 12 17 | 6 39.90 | +30 51.7 | 1.512 | 2.474 | 6.1 | 20.0 |
| 12 27 | 6 27.73 | +31 9.1 | 1.489 | 2.467 | 3.1 | 19.8 |
| 1 6 | 6 15.32 | +31 13.3 | 1.496 | 2.460 | 5.8 | 20.0 |
| 1 16 | 6 4.27 | +31 4.6 | 1.530 | 2.452 | 10.1 | 20.2 |
| 1 26 | 5 55.94 | +30 46.1 | 1.588 | 2.444 | 14.2 | 20.5 |
| 2 5 | 5 51.07 | +30 22.1 | 1.667 | 2.436 | 17.6 | 20.7 |

**162304** 1999 $VR_{193}$ 12 27.7 44.°65 1.°8/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.01 | +27 20.8 | 1.238 | 2.105 | 16.8 | 19.1 |
| 12 7 | 6 49.61 | +27 26.0 | 1.206 | 2.134 | 11.8 | 18.9 |
| 12 17 | 6 39.31 | +27 26.7 | 1.197 | 2.164 | 6.4 | 18.7 |
| 12 27 | 6 27.68 | +27 19.6 | 1.213 | 2.195 | 1.8 | 18.5 |
| 1 6 | 6 16.56 | +27 4.2 | 1.256 | 2.226 | 5.5 | 18.8 |
| 1 16 | 6 7.52 | +26 42.6 | 1.325 | 2.258 | 10.3 | 19.1 |
| 1 26 | 6 1.63 | +26 18.1 | 1.417 | 2.290 | 14.5 | 19.5 |
| 2 5 | 5 59.28 | +25 53.7 | 1.529 | 2.322 | 17.9 | 19.8 |

**157119** 2004 $NF_2$ 12 27.7 151.°21 2.°0/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.13 | +28 9.6 | 1.925 | 2.770 | 12.7 | 21.2 |
| 12 7 | 6 49.31 | +28 28.8 | 1.861 | 2.778 | 9.1 | 21.0 |
| 12 17 | 6 39.15 | +28 44.0 | 1.823 | 2.786 | 5.1 | 20.8 |
| 12 27 | 6 27.69 | +28 52.0 | 1.813 | 2.794 | 2.0 | 20.6 |
| 1 6 | 6 16.23 | +28 51.0 | 1.834 | 2.800 | 4.6 | 20.8 |
| 1 16 | 6 6.03 | +28 41.7 | 1.884 | 2.807 | 8.5 | 21.0 |
| 1 26 | 5 58.14 | +28 26.2 | 1.960 | 2.812 | 12.1 | 21.2 |
| 2 5 | 5 53.14 | +28 7.6 | 2.058 | 2.817 | 15.0 | 21.5 |

**240147** 2002 $JC_{135}$ 12 27.7 155.°65 2.°5/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.33 | +16 13.4 | 2.145 | 2.981 | 11.9 | 21.5 |
| 12 7 | 6 46.31 | +15 55.6 | 2.078 | 2.989 | 8.6 | 21.4 |
| 12 17 | 6 37.44 | +15 42.8 | 2.037 | 2.996 | 5.1 | 21.2 |
| 12 27 | 6 27.57 | +15 35.3 | 2.025 | 3.002 | 2.5 | 21.0 |
| 1 6 | 6 17.69 | +15 32.8 | 2.044 | 3.008 | 4.4 | 21.1 |
| 1 16 | 6 8.79 | +15 35.1 | 2.092 | 3.013 | 7.9 | 21.4 |
| 1 26 | 6 1.70 | +15 41.7 | 2.167 | 3.018 | 11.1 | 21.6 |
| 2 5 | 5 56.94 | +15 52.0 | 2.265 | 3.022 | 13.9 | 21.8 |

**97774** 2000 $KK_1$ 12 27.7 136.°79 1.°4/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 2.57 | +12 21.0 | 1.142 | 1.990 | 19.2 | 18.9 |
| 12 7 | 6 54.53 | +14 33.9 | 1.077 | 1.995 | 14.0 | 18.6 |
| 12 17 | 6 42.58 | +17 14.1 | 1.034 | 1.999 | 7.8 | 18.2 |
| 12 27 | 6 27.96 | +20 10.5 | 1.020 | 2.003 | 1.6 | 17.9 |
| 1 6 | 6 12.69 | +23 7.0 | 1.035 | 2.006 | 6.2 | 18.2 |
| 1 16 | 5 59.00 | +25 49.0 | 1.079 | 2.009 | 12.4 | 18.5 |
| 1 26 | 5 48.82 | +28 8.6 | 1.147 | 2.012 | 17.8 | 18.8 |
| 2 5 | 5 43.16 | +30 5.0 | 1.235 | 2.015 | 22.0 | 19.1 |

**79967** 1999 $CY_{124}$ 12 27.7 228.°25 4.°7/26.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.24 | +34 47.9 | 2.236 | 3.071 | 11.5 | 19.8 |
| 12 7 | 6 48.92 | +36 1.6 | 2.157 | 3.062 | 8.7 | 19.6 |
| 12 17 | 6 39.12 | +37 9.6 | 2.105 | 3.053 | 6.0 | 19.4 |
| 12 27 | 6 27.71 | +38 5.6 | 2.082 | 3.043 | 4.7 | 19.3 |
| 1 6 | 6 15.90 | +38 45.5 | 2.089 | 3.033 | 6.3 | 19.4 |
| 1 16 | 6 4.99 | +39 7.8 | 2.125 | 3.023 | 9.1 | 19.5 |
| 1 26 | 5 56.17 | +39 14.5 | 2.187 | 3.012 | 12.0 | 19.7 |
| 2 5 | 5 50.21 | +39 9.5 | 2.270 | 3.000 | 14.6 | 19.9 |

**452230** 2015 $RV_{242}$ 12 27.7 193.°26 0.°7/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.47 | +23 25.5 | 2.223 | 3.066 | 11.3 | 21.7 |
| 12 7 | 6 46.61 | +24 7.2 | 2.146 | 3.064 | 8.0 | 21.5 |
| 12 17 | 6 37.73 | +24 50.7 | 2.097 | 3.062 | 4.3 | 21.2 |
| 12 27 | 6 27.61 | +25 32.6 | 2.077 | 3.060 | 0.8 | 20.9 |
| 1 6 | 6 17.28 | +26 10.1 | 2.088 | 3.057 | 3.8 | 21.2 |
| 1 16 | 6 7.82 | +26 41.7 | 2.130 | 3.054 | 7.6 | 21.4 |
| 1 26 | 6 0.16 | +27 7.1 | 2.198 | 3.050 | 11.0 | 21.6 |
| 2 5 | 5 54.94 | +27 27.4 | 2.290 | 3.045 | 13.8 | 21.8 |

**184338** 2005 $GB_{151}$ 12 27.7 275.°93 2.°2/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.35 | +17 47.4 | 1.416 | 2.274 | 15.6 | 20.2 |
| 12 7 | 6 48.09 | +17 49.7 | 1.338 | 2.261 | 11.4 | 19.9 |
| 12 17 | 6 38.86 | +17 59.7 | 1.282 | 2.247 | 6.5 | 19.6 |
| 12 27 | 6 27.70 | +18 16.2 | 1.252 | 2.233 | 2.3 | 19.3 |
| 1 6 | 6 16.13 | +18 37.4 | 1.250 | 2.220 | 5.6 | 19.5 |
| 1 16 | 6 5.78 | +19 1.5 | 1.274 | 2.206 | 10.8 | 19.7 |
| 1 26 | 5 58.08 | +19 27.5 | 1.321 | 2.192 | 15.5 | 20.0 |
| 2 5 | 5 53.85 | +19 54.5 | 1.388 | 2.178 | 19.5 | 20.2 |

**58633** 1997 $WY_2$ 12 27.7 20.°24 1.°4/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.71 | +26 10.9 | 1.771 | 2.627 | 13.1 | 19.3 |
| 12 7 | 6 46.39 | +26 32.7 | 1.705 | 2.628 | 9.3 | 19.1 |
| 12 17 | 6 37.69 | +26 53.1 | 1.664 | 2.630 | 5.1 | 18.8 |
| 12 27 | 6 27.60 | +27 8.9 | 1.650 | 2.632 | 1.5 | 18.6 |
| 1 6 | 6 17.42 | +27 18.0 | 1.665 | 2.634 | 4.6 | 18.8 |
| 1 16 | 6 8.44 | +27 20.1 | 1.708 | 2.636 | 8.8 | 19.1 |
| 1 26 | 6 1.72 | +27 16.6 | 1.776 | 2.638 | 12.6 | 19.3 |
| 2 5 | 5 57.90 | +27 9.7 | 1.865 | 2.641 | 15.8 | 19.5 |

**356068** 2009 $DD_{64}$ 12 27.7 217.°24 6.°1/26.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.40 | +40 30.4 | 2.201 | 3.023 | 12.2 | 20.9 |
| 12 7 | 6 50.48 | +41 21.0 | 2.125 | 3.016 | 9.6 | 20.8 |
| 12 17 | 6 39.93 | +41 59.8 | 2.075 | 3.008 | 7.2 | 20.6 |
| 12 27 | 6 27.77 | +42 20.9 | 2.053 | 3.000 | 6.1 | 20.5 |
| 1 6 | 6 15.39 | +42 21.3 | 2.060 | 2.992 | 7.3 | 20.6 |
| 1 16 | 6 4.20 | +42 1.6 | 2.095 | 2.983 | 9.7 | 20.7 |
| 1 26 | 5 55.42 | +41 25.8 | 2.155 | 2.974 | 12.4 | 20.9 |
| 2 5 | 5 49.76 | +40 39.7 | 2.236 | 2.964 | 14.9 | 21.0 |

**509231** 2006 $ST_{412}$ 12 27.7 211.°62 4.°4/27.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.24 | +31 2.7 | 1.537 | 2.390 | 14.9 | 21.3 |
| 12 7 | 6 50.91 | +32 6.2 | 1.469 | 2.387 | 10.9 | 21.0 |
| 12 17 | 6 40.37 | +33 5.2 | 1.425 | 2.384 | 6.8 | 20.8 |
| 12 27 | 6 27.81 | +33 52.1 | 1.408 | 2.381 | 4.4 | 20.6 |
| 1 6 | 6 14.93 | +34 21.8 | 1.419 | 2.378 | 6.8 | 20.7 |
| 1 16 | 6 3.50 | +34 33.2 | 1.456 | 2.374 | 10.9 | 21.0 |
| 1 26 | 5 55.01 | +34 29.5 | 1.518 | 2.370 | 15.0 | 21.2 |
| 2 5 | 5 50.26 | +34 15.8 | 1.599 | 2.366 | 18.4 | 21.4 |

**206637** 2003 $WR_{172}$ 12 27.7 115.°16 0.°4/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.03 | +23 13.1 | 1.845 | 2.695 | 12.9 | 20.2 |
| 12 7 | 6 47.16 | +23 38.1 | 1.783 | 2.705 | 9.1 | 20.0 |
| 12 17 | 6 38.04 | +24 4.4 | 1.747 | 2.713 | 4.9 | 19.8 |
| 12 27 | 6 27.64 | +24 28.9 | 1.739 | 2.722 | 0.5 | 19.5 |
| 1 6 | 6 17.20 | +24 49.4 | 1.760 | 2.730 | 4.2 | 19.8 |
| 1 16 | 6 7.94 | +25 5.1 | 1.811 | 2.739 | 8.4 | 20.1 |
| 1 26 | 6 0.86 | +25 16.4 | 1.887 | 2.747 | 12.1 | 20.3 |
| 2 5 | 5 56.56 | +25 24.5 | 1.985 | 2.754 | 15.2 | 20.5 |

**487483** 2014 $SK_{220}$ 12 27.7 92.°36 5.°2/29.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.57 | + 4 35.4 | 2.401 | 3.206 | 11.8 | 21.1 |
| 12 7 | 6 43.45 | + 4 40.9 | 2.345 | 3.225 | 9.2 | 21.0 |
| 12 17 | 6 35.86 | + 5 0.2 | 2.314 | 3.243 | 6.8 | 20.9 |
| 12 27 | 6 27.49 | + 5 33.4 | 2.311 | 3.262 | 5.3 | 20.8 |
| 1 6 | 6 19.14 | + 6 19.2 | 2.338 | 3.280 | 5.9 | 20.9 |
| 1 16 | 6 11.60 | + 7 14.9 | 2.394 | 3.297 | 8.0 | 21.0 |
| 1 26 | 6 5.56 | + 8 17.3 | 2.478 | 3.315 | 10.4 | 21.2 |
| 2 5 | 6 1.44 | + 9 23.2 | 2.585 | 3.332 | 12.6 | 21.4 |

**455713** 2005 $FU_3$ 12 27.7 341.°56 15.°2/23.6 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 4.69 | +60 2.4 | 1.737 | 2.495 | 17.5 | 20.5 |
| 12 7 | 6 57.48 | +61 58.8 | 1.681 | 2.481 | 16.2 | 20.4 |
| 12 17 | 6 44.77 | +63 27.8 | 1.644 | 2.468 | 15.3 | 20.3 |
| 12 27 | 6 28.14 | +64 17.0 | 1.628 | 2.456 | 15.2 | 20.3 |
| 1 6 | 6 10.71 | +64 19.8 | 1.631 | 2.445 | 15.9 | 20.3 |
| 1 16 | 5 55.95 | +63 37.7 | 1.654 | 2.435 | 17.1 | 20.3 |
| 1 26 | 5 46.45 | +62 20.1 | 1.695 | 2.426 | 18.7 | 20.4 |
| 2 5 | 5 43.09 | +60 39.1 | 1.751 | 2.419 | 20.3 | 20.5 |

**67552** 2000 $SM_{63}$ 12 27.7 137.°01 2.°5/28.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.28 | +16 21.1 | 1.664 | 2.506 | 14.5 | 20.7 |
| 12 7 | 6 49.47 | +16 22.1 | 1.606 | 2.520 | 10.4 | 20.5 |
| 12 17 | 6 39.26 | +16 30.4 | 1.572 | 2.533 | 6.0 | 20.3 |
| 12 27 | 6 27.73 | +16 44.9 | 1.566 | 2.546 | 2.6 | 20.1 |
| 1 6 | 6 16.24 | +17 4.0 | 1.590 | 2.557 | 5.1 | 20.3 |
| 1 16 | 6 6.09 | +17 26.2 | 1.643 | 2.568 | 9.3 | 20.5 |
| 1 26 | 5 58.34 | +17 50.5 | 1.721 | 2.578 | 13.2 | 20.8 |
| 2 5 | 5 53.58 | +18 16.1 | 1.820 | 2.587 | 16.4 | 21.0 |

**129939** 1999 $TH_{163}$ 12 27.7 127.°16 1.°7/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.32 | +26 26.2 | 1.898 | 2.746 | 12.7 | 20.2 |
| 12 7 | 6 48.07 | +26 59.8 | 1.837 | 2.757 | 9.0 | 20.0 |
| 12 17 | 6 38.53 | +27 31.7 | 1.802 | 2.767 | 4.9 | 19.8 |
| 12 27 | 6 27.68 | +27 58.3 | 1.795 | 2.776 | 1.7 | 19.6 |
| 1 6 | 6 16.80 | +28 17.1 | 1.818 | 2.786 | 4.5 | 19.8 |
| 1 16 | 6 7.13 | +28 27.4 | 1.870 | 2.795 | 8.5 | 20.1 |
| 1 26 | 5 59.69 | +28 30.7 | 1.949 | 2.803 | 12.0 | 20.3 |
| 2 5 | 5 55.07 | +28 29.3 | 2.049 | 2.811 | 15.0 | 20.5 |

**268672** 2006 $FT_{14}$ 12 27.7 315.°96 4.°7/28.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.52 | +10 8.1 | 2.064 | 2.897 | 12.4 | 20.5 |
| 12 7 | 6 43.09 | + 9 45.3 | 1.988 | 2.890 | 9.5 | 20.3 |
| 12 17 | 6 35.83 | + 9 32.9 | 1.936 | 2.883 | 6.5 | 20.1 |
| 12 27 | 6 27.49 | + 9 32.2 | 1.911 | 2.876 | 4.7 | 20.0 |
| 1 6 | 6 19.01 | + 9 43.3 | 1.915 | 2.869 | 5.9 | 20.1 |
| 1 16 | 6 11.34 | +10 5.1 | 1.947 | 2.863 | 8.8 | 20.2 |
| 1 26 | 6 5.35 | +10 35.6 | 2.005 | 2.856 | 11.9 | 20.4 |
| 2 5 | 6 1.59 | +11 12.4 | 2.085 | 2.850 | 14.6 | 20.6 |

**498068** 2007 $RT_{146}$ 12 27.7 167.°89 9.°3/28.7 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 7 0.63 | − 0 55.0 | 1.849 | 2.626 | 15.9 | 23.1 |
| 12 7 | 6 51.62 | − 1 51.9 | 1.785 | 2.636 | 13.1 | 22.9 |
| 12 17 | 6 40.36 | − 2 28.7 | 1.745 | 2.645 | 10.7 | 22.8 |
| 12 27 | 6 27.82 | − 2 41.2 | 1.733 | 2.651 | 9.4 | 22.7 |
| 1 6 | 6 15.24 | − 2 28.4 | 1.748 | 2.656 | 10.0 | 22.8 |
| 1 16 | 6 3.84 | − 1 52.1 | 1.791 | 2.659 | 12.2 | 22.9 |
| 1 26 | 5 54.65 | − 0 57.1 | 1.860 | 2.660 | 14.8 | 23.1 |
| 2 5 | 5 48.27 | + 0 10.4 | 1.949 | 2.659 | 17.3 | 23.3 |

**59345** 1999 $CK_{135}$ 12 27.8 92.°46 3.°3/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.25 | +31 6.4 | 1.592 | 2.443 | 14.5 | 18.7 |
| 12 7 | 6 50.39 | +31 25.5 | 1.540 | 2.458 | 10.5 | 18.5 |
| 12 17 | 6 39.80 | +31 37.0 | 1.512 | 2.473 | 6.2 | 18.2 |
| 12 27 | 6 27.77 | +31 36.7 | 1.511 | 2.488 | 3.3 | 18.1 |
| 1 6 | 6 15.90 | +31 23.0 | 1.539 | 2.503 | 5.7 | 18.3 |
| 1 16 | 6 5.71 | +30 57.8 | 1.594 | 2.517 | 9.7 | 18.6 |
| 1 26 | 5 58.33 | +30 25.2 | 1.674 | 2.531 | 13.5 | 18.8 |
| 2 5 | 5 54.31 | +29 49.7 | 1.775 | 2.545 | 16.6 | 19.1 |

**450184** 2001 $VY_{88}$ 12 27.8 358.°52 3.°5/27.5 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.93 | +18 27.3 | 1.505 | 2.364 | 14.8 | 20.2 |
| 12 7 | 6 45.93 | +17 15.8 | 1.439 | 2.361 | 10.7 | 19.9 |
| 12 17 | 6 37.45 | +16 6.3 | 1.396 | 2.359 | 6.4 | 19.7 |
| 12 27 | 6 27.61 | +15 1.9 | 1.381 | 2.358 | 3.5 | 19.5 |
| 1 6 | 6 17.77 | +14 5.8 | 1.394 | 2.358 | 6.0 | 19.7 |
| 1 16 | 6 9.26 | +13 20.8 | 1.433 | 2.359 | 10.3 | 19.9 |
| 1 26 | 6 3.18 | +12 48.1 | 1.496 | 2.360 | 14.4 | 20.2 |
| 2 5 | 6 0.09 | +12 27.2 | 1.578 | 2.363 | 17.8 | 20.4 |

**349706** 2008 $XF_{52}$ 12 27.8 76.°32 5.°4/25.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 7 1.26 | +30 29.3 | 1.617 | 2.463 | 14.6 | 19.8 |
| 12 7 | 6 53.05 | +32 52.8 | 1.564 | 2.477 | 10.7 | 19.6 |
| 12 17 | 6 41.56 | +35 13.5 | 1.537 | 2.492 | 7.0 | 19.4 |
| 12 27 | 6 27.93 | +37 19.5 | 1.541 | 2.506 | 5.5 | 19.4 |
| 1 6 | 6 13.85 | +39 1.4 | 1.574 | 2.520 | 7.7 | 19.5 |
| 1 16 | 6 1.15 | +40 15.6 | 1.636 | 2.535 | 11.3 | 19.8 |
| 1 26 | 5 51.39 | +41 4.4 | 1.723 | 2.549 | 14.7 | 20.0 |
| 2 5 | 5 45.44 | +41 33.7 | 1.830 | 2.563 | 17.5 | 20.3 |

**42053** 2000 $YO_{110}$ 12 27.8 114.°11 2.°6/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 7 0.43 | +29 39.8 | 1.547 | 2.397 | 14.9 | 18.5 |
| 12 7 | 6 51.92 | +29 48.1 | 1.494 | 2.413 | 10.7 | 18.3 |
| 12 17 | 6 40.61 | +29 49.6 | 1.465 | 2.429 | 6.1 | 18.0 |
| 12 27 | 6 27.85 | +29 40.5 | 1.464 | 2.444 | 2.6 | 17.8 |
| 1 6 | 6 15.29 | +29 19.8 | 1.492 | 2.459 | 5.4 | 18.1 |
| 1 16 | 6 4.51 | +28 49.7 | 1.548 | 2.473 | 9.8 | 18.4 |
| 1 26 | 5 56.65 | +28 14.5 | 1.629 | 2.487 | 13.8 | 18.6 |
| 2 5 | 5 52.26 | +27 38.4 | 1.730 | 2.500 | 17.0 | 18.9 |

**201664** 2003 $UW_{13}$ 12 27.8 33.°88 0.°8/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.71 | +25 16.6 | 1.364 | 2.230 | 15.5 | 19.9 |
| 12 7 | 6 47.40 | +25 17.9 | 1.312 | 2.241 | 11.0 | 19.6 |
| 12 17 | 6 38.30 | +25 17.6 | 1.284 | 2.252 | 5.9 | 19.4 |
| 12 27 | 6 27.69 | +25 13.2 | 1.281 | 2.264 | 0.9 | 19.1 |
| 1 6 | 6 17.20 | +25 3.7 | 1.306 | 2.277 | 5.1 | 19.4 |
| 1 16 | 6 8.35 | +24 50.0 | 1.356 | 2.290 | 10.0 | 19.7 |
| 1 26 | 6 2.33 | +24 34.2 | 1.430 | 2.304 | 14.3 | 20.0 |
| 2 5 | 5 59.67 | +24 18.5 | 1.524 | 2.319 | 17.9 | 20.3 |

**238674** 2005 $EX_{187}$ 12 27.8 299.°39 2.°3/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.81 | +16 34.2 | 2.210 | 3.054 | 11.3 | 20.5 |
| 12 7 | 6 43.29 | +16 23.9 | 2.125 | 3.040 | 8.2 | 20.3 |
| 12 17 | 6 35.96 | +16 18.8 | 2.066 | 3.027 | 4.9 | 20.1 |
| 12 27 | 6 27.54 | +16 18.9 | 2.035 | 3.013 | 2.3 | 19.9 |
| 1 6 | 6 18.92 | +16 23.7 | 2.034 | 3.000 | 4.2 | 20.0 |
| 1 16 | 6 11.06 | +16 32.8 | 2.061 | 2.987 | 7.7 | 20.2 |
| 1 26 | 6 4.82 | +16 45.6 | 2.115 | 2.973 | 11.0 | 20.4 |
| 2 5 | 6 0.76 | +17 1.3 | 2.192 | 2.961 | 13.9 | 20.6 |

**484406** 2007 $XB_{40}$ 12 27.8 19.°88 4.°1/28.4 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.63 | +34 51.9 | 1.044 | 1.918 | 18.6 | 20.0 |
| 12 7 | 6 49.20 | +34 7.3 | 1.005 | 1.933 | 13.6 | 19.7 |
| 12 17 | 6 39.27 | +33 5.4 | 0.986 | 1.950 | 8.2 | 19.5 |
| 12 27 | 6 27.75 | +31 45.1 | 0.991 | 1.969 | 4.2 | 19.3 |
| 1 6 | 6 16.86 | +30 10.7 | 1.020 | 1.989 | 6.7 | 19.5 |
| 1 16 | 6 8.45 | +28 30.7 | 1.074 | 2.011 | 11.7 | 19.9 |
| 1 26 | 6 3.67 | +26 53.8 | 1.151 | 2.035 | 16.2 | 20.2 |
| 2 5 | 6 2.82 | +25 26.0 | 1.246 | 2.060 | 20.0 | 20.5 |

**325646** 2009 $SL_{324}$ 12 27.8 101.°86 0.°1/27.8 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.13 | +21 58.2 | 2.096 | 2.945 | 11.6 | 20.9 |
| 12 7 | 6 44.96 | +22 14.0 | 2.027 | 2.948 | 8.2 | 20.7 |
| 12 17 | 6 36.84 | +22 31.9 | 1.984 | 2.951 | 4.4 | 20.4 |
| 12 27 | 6 27.61 | +22 49.7 | 1.970 | 2.953 | 0.4 | 20.1 |
| 1 6 | 6 18.29 | +23 6.1 | 1.986 | 2.956 | 3.8 | 20.4 |
| 1 16 | 6 9.91 | +23 20.0 | 2.030 | 2.958 | 7.6 | 20.6 |
| 1 26 | 6 3.37 | +23 31.6 | 2.102 | 2.961 | 11.0 | 20.9 |
| 2 5 | 5 59.24 | +23 41.4 | 2.195 | 2.964 | 13.9 | 21.1 |

**450781** 2007 $TV_{50}$ 12 27.8 104.°76 0.°3/27.8 15

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.44 | +22 10.7 | 1.822 | 2.672 | 13.0 | 22.4 |
| 12 7 | 6 47.37 | +22 13.9 | 1.764 | 2.685 | 9.2 | 22.2 |
| 12 17 | 6 38.12 | +22 18.4 | 1.732 | 2.698 | 4.9 | 22.0 |
| 12 27 | 6 27.70 | +22 22.4 | 1.728 | 2.711 | 0.5 | 21.7 |
| 1 6 | 6 17.34 | +22 24.9 | 1.753 | 2.724 | 4.2 | 22.0 |
| 1 16 | 6 8.21 | +22 25.7 | 1.807 | 2.736 | 8.4 | 22.3 |
| 1 26 | 6 1.30 | +22 25.5 | 1.888 | 2.748 | 12.1 | 22.5 |
| 2 5 | 5 57.12 | +22 25.3 | 1.989 | 2.760 | 15.1 | 22.7 |

**32912** 1994 $WS_{2}$ 12 27.8 73.°14 2.°4/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.95 | +26 32.7 | 1.245 | 2.111 | 16.8 | 18.2 |
| 12 7 | 6 50.76 | +27 17.0 | 1.195 | 2.122 | 12.0 | 17.9 |
| 12 17 | 6 40.25 | +27 59.8 | 1.167 | 2.134 | 6.6 | 17.7 |
| 12 27 | 6 27.86 | +28 34.7 | 1.165 | 2.146 | 2.4 | 17.5 |
| 1 6 | 6 15.48 | +28 57.4 | 1.189 | 2.158 | 6.1 | 17.7 |
| 1 16 | 6 4.99 | +29 7.6 | 1.239 | 2.169 | 11.2 | 18.0 |
| 1 26 | 5 57.79 | +29 7.9 | 1.312 | 2.181 | 15.7 | 18.3 |
| 2 5 | 5 54.50 | +29 2.2 | 1.404 | 2.193 | 19.4 | 18.6 |

**108402** 2001 $KP_{28}$ 12 27.8 125.°76 1.°6/27.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.17 | +19 26.1 | 2.243 | 3.081 | 11.4 | 19.9 |
| 12 7 | 6 46.77 | +19 2.0 | 2.183 | 3.097 | 8.1 | 19.7 |
| 12 17 | 6 37.66 | +18 40.0 | 2.151 | 3.114 | 4.5 | 19.5 |
| 12 27 | 6 27.67 | +18 20.2 | 2.148 | 3.129 | 1.6 | 19.3 |
| 1 6 | 6 17.78 | +18 2.7 | 2.177 | 3.144 | 3.9 | 19.5 |
| 1 16 | 6 8.94 | +17 48.1 | 2.235 | 3.158 | 7.4 | 19.8 |
| 1 26 | 6 1.90 | +17 36.9 | 2.321 | 3.172 | 10.5 | 20.0 |
| 2 5 | 5 57.14 | +17 29.3 | 2.431 | 3.185 | 13.1 | 20.2 |

**348369** 2005 $EJ_{276}$ 12 27.8 305.°34 0.°3/27.8 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.39 | +21 53.7 | 1.551 | 2.411 | 14.3 | 21.2 |
| 12 7 | 6 46.73 | +22 2.1 | 1.458 | 2.384 | 10.4 | 20.9 |
| 12 17 | 6 38.20 | +22 13.6 | 1.389 | 2.357 | 5.7 | 20.5 |
| 12 27 | 6 27.73 | +22 26.2 | 1.346 | 2.330 | 0.6 | 20.1 |
| 1 6 | 6 16.69 | +22 37.8 | 1.331 | 2.303 | 5.0 | 20.4 |
| 1 16 | 6 6.64 | +22 47.3 | 1.343 | 2.276 | 10.2 | 20.6 |
| 1 26 | 5 59.01 | +22 55.0 | 1.379 | 2.250 | 15.0 | 20.8 |
| 2 5 | 5 54.70 | +23 2.0 | 1.434 | 2.224 | 19.0 | 21.0 |

**451128** 2009 $LN_{5}$ 12 27.8 56.°13 4.°7/28.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.76 | +10 22.3 | 1.756 | 2.594 | 14.0 | 20.6 |
| 12 7 | 6 44.81 | +10 14.3 | 1.696 | 2.602 | 10.6 | 20.4 |
| 12 17 | 6 36.79 | +10 19.2 | 1.660 | 2.611 | 7.0 | 20.2 |
| 12 27 | 6 27.61 | +10 37.2 | 1.651 | 2.619 | 4.8 | 20.1 |
| 1 6 | 6 18.40 | +11 7.1 | 1.670 | 2.628 | 6.1 | 20.2 |
| 1 16 | 6 10.28 | +11 46.7 | 1.716 | 2.637 | 9.4 | 20.4 |
| 1 26 | 6 4.16 | +12 32.9 | 1.788 | 2.646 | 12.7 | 20.6 |
| 2 5 | 6 0.63 | +13 22.7 | 1.881 | 2.655 | 15.7 | 20.8 |

**233654** 2008 $QV_{2}$ 12 27.8 78.°84 1.°7/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.77 | +18 29.9 | 1.531 | 2.383 | 14.9 | 20.5 |
| 12 7 | 6 48.45 | +18 33.8 | 1.485 | 2.406 | 10.6 | 20.3 |
| 12 17 | 6 38.71 | +18 43.4 | 1.464 | 2.429 | 5.9 | 20.1 |
| 12 27 | 6 27.74 | +18 56.9 | 1.470 | 2.451 | 1.8 | 19.9 |
| 1 6 | 6 16.97 | +19 12.8 | 1.504 | 2.474 | 4.9 | 20.2 |
| 1 16 | 6 7.71 | +19 29.8 | 1.566 | 2.496 | 9.3 | 20.5 |
| 1 26 | 6 0.98 | +19 47.4 | 1.653 | 2.517 | 13.3 | 20.8 |
| 2 5 | 5 57.29 | +20 5.3 | 1.761 | 2.539 | 16.5 | 21.0 |

**64185** 2001 $TT_{67}$ 12 27.8 336.°80 3.°0/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.15 | +17 54.1 | 1.245 | 2.114 | 16.5 | 18.3 |
| 12 7 | 6 45.98 | +17 29.4 | 1.175 | 2.103 | 12.1 | 18.0 |
| 12 17 | 6 37.78 | +17 11.2 | 1.127 | 2.093 | 7.0 | 17.7 |
| 12 27 | 6 27.70 | +17 0.2 | 1.104 | 2.084 | 3.0 | 17.4 |
| 1 6 | 6 17.35 | +16 56.4 | 1.106 | 2.076 | 6.2 | 17.6 |
| 1 16 | 6 8.40 | +16 59.5 | 1.133 | 2.068 | 11.4 | 17.9 |
| 1 26 | 6 2.27 | +17 9.2 | 1.182 | 2.062 | 16.3 | 18.1 |
| 2 5 | 5 59.72 | +17 24.0 | 1.249 | 2.056 | 20.3 | 18.4 |

**487977** 2015 $TE_{308}$ 12 27.8 61.°49 0.°1/27.8 17

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|---|---|---|---|---|---|---|
| 11 27 | 6 54.44 | +19 9.7 | 1.664 | 2.515 | 14.0 | 20.8 |
| 12 7 | 6 47.59 | +20 18.3 | 1.612 | 2.533 | 9.9 | 20.6 |
| 12 17 | 6 38.34 | +21 33.7 | 1.585 | 2.552 | 5.3 | 20.4 |
| 12 27 | 6 27.73 | +22 50.7 | 1.587 | 2.570 | 0.4 | 20.0 |
| 1 6 | 6 17.08 | +24 4.0 | 1.619 | 2.589 | 4.4 | 20.4 |
| 1 16 | 6 7.69 | +25 9.8 | 1.679 | 2.608 | 8.9 | 20.7 |
| 1 26 | 6 0.64 | +26 6.7 | 1.765 | 2.627 | 12.7 | 21.0 |
| 2 5 | 5 56.55 | +26 54.9 | 1.873 | 2.646 | 15.8 | 21.2 |

**279323** 2009 $XX_{14}$ 12 27.8 272.°27 0.°7/27.9 18

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|---|---|---|---|---|---|---|
| 11 27 | 6 49.68 | +19 39.6 | 2.384 | 3.228 | 10.6 | 20.8 |
| 12 7 | 6 43.87 | +20 5.0 | 2.298 | 3.216 | 7.6 | 20.6 |
| 12 17 | 6 36.28 | +20 34.7 | 2.238 | 3.203 | 4.1 | 20.4 |
| 12 27 | 6 27.59 | +21 6.8 | 2.208 | 3.191 | 0.7 | 20.1 |
| 1 6 | 6 18.66 | +21 39.4 | 2.208 | 3.178 | 3.5 | 20.3 |
| 1 16 | 6 10.42 | +22 11.0 | 2.238 | 3.165 | 7.1 | 20.5 |
| 1 26 | 6 3.72 | +22 40.7 | 2.296 | 3.153 | 10.3 | 20.7 |
| 2 5 | 5 59.14 | +23 8.2 | 2.377 | 3.140 | 13.1 | 20.8 |

**477250** 2009 $SS_{11}$ 12 27.8 118.°96 3.°0/27.6 16

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|---|---|---|---|---|---|---|
| 11 27 | 7 0.02 | +30 30.3 | 1.692 | 2.538 | 14.1 | 22.3 |
| 12 7 | 6 51.53 | +30 52.8 | 1.639 | 2.555 | 10.1 | 22.1 |
| 12 17 | 6 40.40 | +31 8.4 | 1.611 | 2.572 | 5.9 | 21.9 |
| 12 27 | 6 27.88 | +31 12.9 | 1.611 | 2.589 | 3.0 | 21.7 |
| 1 6 | 6 15.52 | +31 4.6 | 1.640 | 2.604 | 5.4 | 21.9 |
| 1 16 | 6 4.78 | +30 44.9 | 1.698 | 2.619 | 9.4 | 22.2 |
| 1 26 | 5 56.78 | +30 17.8 | 1.781 | 2.634 | 13.1 | 22.4 |
| 2 5 | 5 52.06 | +29 47.3 | 1.886 | 2.647 | 16.1 | 22.7 |

**364944** 2008 $FX_{127}$ 12 27.8 241.°30 1.°3/27.9 17

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|---|---|---|---|---|---|---|
| 11 27 | 6 51.17 | +18 36.1 | 2.036 | 2.883 | 12.0 | 21.8 |
| 12 7 | 6 45.07 | +18 46.5 | 1.961 | 2.879 | 8.6 | 21.5 |
| 12 17 | 6 36.95 | +19 1.9 | 1.911 | 2.875 | 4.8 | 21.3 |
| 12 27 | 6 27.64 | +19 20.7 | 1.890 | 2.871 | 1.4 | 21.1 |
| 1 6 | 6 18.17 | +19 41.6 | 1.898 | 2.867 | 4.0 | 21.2 |
| 1 16 | 6 9.61 | +20 3.2 | 1.935 | 2.863 | 8.0 | 21.5 |
| 1 26 | 6 2.88 | +20 24.9 | 1.999 | 2.859 | 11.5 | 21.7 |
| 2 5 | 5 58.59 | +20 46.4 | 2.085 | 2.855 | 14.5 | 21.9 |

**98532** 2000 $VM_{42}$ 12 27.8 133.°91 1.°8/27.9 18

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|---|---|---|---|---|---|---|
| 11 27 | 6 54.85 | +19 4.8 | 1.865 | 2.710 | 13.0 | 19.8 |
| 12 7 | 6 47.60 | +18 45.8 | 1.803 | 2.720 | 9.3 | 19.6 |
| 12 17 | 6 38.24 | +18 30.0 | 1.766 | 2.729 | 5.2 | 19.3 |
| 12 27 | 6 27.74 | +18 17.3 | 1.758 | 2.739 | 1.8 | 19.1 |
| 1 6 | 6 17.27 | +18 7.4 | 1.779 | 2.747 | 4.5 | 19.3 |
| 1 16 | 6 8.00 | +18 0.7 | 1.830 | 2.756 | 8.5 | 19.6 |
| 1 26 | 6 0.86 | +17 57.4 | 1.907 | 2.764 | 12.1 | 19.8 |
| 2 5 | 5 56.38 | +17 57.5 | 2.005 | 2.771 | 15.1 | 20.1 |

**521985** 2015 $WZ_{19}$ 12 27.8 131.°27 4.°3/28.8 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.52 | + 8 40.7 | 2.236 | 3.055 | 12.1 | 21.5 |
| 12 7 | 6 45.00 | + 8 47.7 | 2.173 | 3.067 | 9.2 | 21.3 |
| 12 17 | 6 36.79 | + 9 6.6 | 2.135 | 3.079 | 6.2 | 21.2 |
| 12 27 | 6 27.64 | + 9 37.0 | 2.126 | 3.090 | 4.3 | 21.1 |
| 1 6 | 6 18.47 | +10 17.6 | 2.147 | 3.100 | 5.3 | 21.2 |
| 1 16 | 6 10.16 | +11 5.9 | 2.197 | 3.111 | 8.0 | 21.3 |
| 1 26 | 6 3.49 | +11 59.3 | 2.275 | 3.120 | 10.9 | 21.5 |
| 2 5 | 5 58.96 | +12 55.0 | 2.376 | 3.130 | 13.4 | 21.7 |

**165689** 2001 $PY_{1}$ 12 27.8 194.°46 3.°9/28.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.68 | + 7 9.3 | 2.858 | 3.666 | 10.0 | 20.6 |
| 12 7 | 6 42.81 | + 7 23.5 | 2.778 | 3.664 | 7.7 | 20.5 |
| 12 17 | 6 35.59 | + 7 48.4 | 2.724 | 3.662 | 5.4 | 20.3 |
| 12 27 | 6 27.56 | + 8 23.9 | 2.700 | 3.659 | 4.0 | 20.2 |
| 1 6 | 6 19.42 | + 9 8.7 | 2.707 | 3.656 | 4.7 | 20.3 |
| 1 16 | 6 11.85 | +10 1.0 | 2.745 | 3.653 | 6.8 | 20.4 |
| 1 26 | 6 5.50 | +10 58.4 | 2.810 | 3.649 | 9.2 | 20.6 |
| 2 5 | 6 0.83 | +11 58.4 | 2.901 | 3.645 | 11.4 | 20.7 |

**177473** 2004 $DF_{76}$ 12 27.8 18.°24 0.°9/27.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.11 | +20 44.1 | 1.667 | 2.524 | 13.7 | 20.2 |
| 12 7 | 6 46.01 | +20 43.5 | 1.602 | 2.526 | 9.8 | 20.0 |
| 12 17 | 6 37.54 | +20 46.1 | 1.561 | 2.528 | 5.3 | 19.7 |
| 12 27 | 6 27.71 | +20 50.4 | 1.547 | 2.530 | 1.0 | 19.4 |
| 1 6 | 6 17.81 | +20 55.4 | 1.561 | 2.532 | 4.5 | 19.7 |
| 1 16 | 6 9.11 | +21 0.6 | 1.603 | 2.535 | 9.0 | 20.0 |
| 1 26 | 6 2.68 | +21 6.1 | 1.670 | 2.538 | 13.0 | 20.2 |
| 2 5 | 5 59.12 | +21 12.2 | 1.758 | 2.541 | 16.3 | 20.4 |

**124527** 2001 $RR_{84}$ 12 27.8 192.°37 2.°6/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.61 | +29 42.5 | 1.760 | 2.608 | 13.5 | 20.3 |
| 12 7 | 6 49.99 | +29 58.5 | 1.689 | 2.607 | 9.8 | 20.1 |
| 12 17 | 6 39.71 | +30 9.0 | 1.643 | 2.606 | 5.7 | 19.8 |
| 12 27 | 6 27.88 | +30 10.1 | 1.625 | 2.604 | 2.6 | 19.6 |
| 1 6 | 6 15.95 | +29 59.9 | 1.636 | 2.601 | 5.2 | 19.8 |
| 1 16 | 6 5.36 | +29 39.5 | 1.675 | 2.599 | 9.3 | 20.0 |
| 1 26 | 5 57.30 | +29 12.1 | 1.740 | 2.595 | 13.2 | 20.2 |
| 2 5 | 5 52.44 | +28 41.5 | 1.826 | 2.592 | 16.4 | 20.5 |

**40312** 1999 $KZ_{13}$ 12 27.8 135.°59 1.°5/27.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.99 | +18 46.7 | 1.601 | 2.449 | 14.6 | 19.7 |
| 12 7 | 6 49.44 | +18 55.3 | 1.541 | 2.460 | 10.5 | 19.5 |
| 12 17 | 6 39.36 | +19 9.3 | 1.506 | 2.471 | 5.8 | 19.2 |
| 12 27 | 6 27.86 | +19 26.8 | 1.499 | 2.481 | 1.6 | 19.0 |
| 1 6 | 6 16.35 | +19 45.8 | 1.521 | 2.490 | 4.8 | 19.2 |
| 1 16 | 6 6.23 | +20 5.0 | 1.571 | 2.499 | 9.4 | 19.5 |
| 1 26 | 5 58.60 | +20 24.1 | 1.646 | 2.507 | 13.5 | 19.8 |
| 2 5 | 5 54.08 | +20 43.0 | 1.742 | 2.515 | 16.8 | 20.0 |

**346430** 2008 $SE_{242}$ 12 27.8 76.°39 1.°0/27.7 16

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.76 | +24 54.8 | 1.510 | 2.367 | 14.9 | 21.5 |
| 12 7 | 6 49.32 | +25 15.2 | 1.464 | 2.388 | 10.5 | 21.3 |
| 12 17 | 6 39.26 | +25 34.8 | 1.441 | 2.408 | 5.6 | 21.1 |
| 12 27 | 6 27.84 | +25 49.9 | 1.446 | 2.429 | 1.1 | 20.8 |
| 1 6 | 6 16.61 | +25 58.5 | 1.479 | 2.449 | 4.8 | 21.1 |
| 1 16 | 6 6.98 | +26 0.6 | 1.539 | 2.469 | 9.4 | 21.4 |
| 1 26 | 6 0.08 | +25 58.1 | 1.625 | 2.489 | 13.4 | 21.7 |
| 2 5 | 5 56.40 | +25 53.1 | 1.730 | 2.509 | 16.7 | 22.0 |

**483575** 2004 $EW_{10}$ 12 27.8 332.°77 2.°1/28.0 17

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.08 | +18 25.8 | 1.240 | 2.115 | 16.2 | 20.7 |
| 12 7 | 6 44.08 | +18 27.5 | 1.156 | 2.087 | 11.9 | 20.3 |
| 12 17 | 6 36.97 | +18 37.8 | 1.092 | 2.060 | 6.8 | 20.0 |
| 12 27 | 6 27.72 | +18 55.8 | 1.053 | 2.035 | 2.2 | 19.6 |
| 1 6 | 6 17.85 | +19 19.6 | 1.039 | 2.011 | 5.9 | 19.8 |
| 1 16 | 6 9.11 | +19 47.4 | 1.049 | 1.988 | 11.6 | 20.0 |
| 1 26 | 6 3.11 | +20 17.4 | 1.080 | 1.967 | 16.8 | 20.2 |
| 2 5 | 6 0.84 | +20 48.2 | 1.130 | 1.948 | 21.3 | 20.5 |

**6934** 1994 $YN_{2}$ 12 27.8 87.°15 0.°8/27.6 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.91 | +23 24.9 | 1.819 | 2.669 | 13.1 | 17.0 |
| 12 7 | 6 47.77 | +24 4.0 | 1.767 | 2.688 | 9.2 | 16.8 |
| 12 17 | 6 38.39 | +24 44.1 | 1.741 | 2.708 | 4.9 | 16.6 |
| 12 27 | 6 27.80 | +25 21.6 | 1.744 | 2.727 | 0.8 | 16.3 |
| 1 6 | 6 17.26 | +25 53.6 | 1.776 | 2.746 | 4.3 | 16.6 |
| 1 16 | 6 7.97 | +26 18.9 | 1.837 | 2.764 | 8.4 | 16.9 |
| 1 26 | 6 0.93 | +26 37.8 | 1.925 | 2.783 | 12.0 | 17.2 |
| 2 5 | 5 56.69 | +26 51.8 | 2.034 | 2.801 | 14.9 | 17.4 |

**47655** 2000 $CB_{48}$ 12 27.8 247.°80 6.°2/28.9 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 48.09 | + 1 44.8 | 2.628 | 3.419 | 11.3 | 19.4 |
| 12 7 | 6 42.55 | + 1 24.5 | 2.542 | 3.406 | 9.2 | 19.2 |
| 12 17 | 6 35.52 | + 1 17.9 | 2.480 | 3.393 | 7.3 | 19.1 |
| 12 27 | 6 27.60 | + 1 26.8 | 2.447 | 3.379 | 6.2 | 19.0 |
| 1 6 | 6 19.51 | + 1 51.2 | 2.442 | 3.365 | 6.8 | 19.0 |
| 1 16 | 6 12.01 | + 2 30.0 | 2.465 | 3.351 | 8.5 | 19.1 |
| 1 26 | 6 5.78 | + 3 20.6 | 2.515 | 3.336 | 10.8 | 19.2 |
| 2 5 | 6 1.33 | + 4 19.5 | 2.588 | 3.322 | 12.9 | 19.3 |

**442868** 2013 $AY_{178}$ 12 27.8 56.°11 4.°6/27.7 15

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.27 | +14 56.7 | 1.491 | 2.341 | 15.4 | 20.6 |
| 12 7 | 6 47.42 | +13 53.2 | 1.441 | 2.356 | 11.3 | 20.4 |
| 12 17 | 6 38.20 | +12 57.3 | 1.414 | 2.371 | 7.1 | 20.2 |
| 12 27 | 6 27.78 | +12 11.9 | 1.414 | 2.387 | 4.6 | 20.0 |
| 1 6 | 6 17.55 | +11 39.0 | 1.442 | 2.402 | 6.5 | 20.2 |
| 1 16 | 6 8.79 | +11 19.3 | 1.497 | 2.418 | 10.4 | 20.5 |
| 1 26 | 6 2.49 | +11 12.2 | 1.576 | 2.434 | 14.1 | 20.7 |
| 2 5 | 5 59.16 | +11 15.5 | 1.674 | 2.450 | 17.3 | 21.0 |

**90268** 2003 $CT_{8}$ 12 27.8 201.°67 1.°2/27.7 18

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.06 | +25 45.0 | 1.929 | 2.776 | 12.6 | 20.4 |
| 12 7 | 6 48.72 | +26 2.8 | 1.853 | 2.772 | 9.0 | 20.2 |
| 12 17 | 6 39.00 | +26 19.3 | 1.803 | 2.768 | 4.9 | 19.9 |
| 12 27 | 6 27.86 | +26 31.4 | 1.781 | 2.763 | 1.2 | 19.6 |
| 1 6 | 6 16.54 | +26 37.1 | 1.790 | 2.758 | 4.4 | 19.9 |
| 1 16 | 6 6.32 | +26 36.3 | 1.827 | 2.752 | 8.5 | 20.1 |
| 1 26 | 5 58.29 | +26 30.6 | 1.891 | 2.746 | 12.3 | 20.3 |
| 2 5 | 5 53.11 | +26 22.0 | 1.976 | 2.739 | 15.4 | 20.5 |

**22501** 1997 $PR_{3}$ 12 27.8 212.°35 0.°2/27.8 18 R

| | | | | | | |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.38 | +22 3.2 | 1.915 | 2.761 | 12.7 | 20.1 |
| 12 7 | 6 48.23 | +22 14.8 | 1.836 | 2.755 | 9.1 | 19.8 |
| 12 17 | 6 38.75 | +22 28.3 | 1.782 | 2.748 | 4.9 | 19.6 |
| 12 27 | 6 27.85 | +22 41.5 | 1.757 | 2.740 | 0.4 | 19.2 |
| 1 6 | 6 16.72 | +22 52.6 | 1.762 | 2.732 | 4.2 | 19.5 |
| 1 16 | 6 6.62 | +23 1.0 | 1.796 | 2.723 | 8.5 | 19.7 |
| 1 26 | 5 58.64 | +23 7.2 | 1.857 | 2.714 | 12.4 | 20.0 |
| 2 5 | 5 53.43 | +23 12.2 | 1.940 | 2.704 | 15.6 | 20.2 |

**78286** 2002 $PK_{46}$ 12 27.8 17.°13 6.°4/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.99 | +42 48.3 | 2.109 | 2.929 | 12.7 | 18.4 |
| 12 7 | 6 49.38 | +43 5.3 | 2.044 | 2.931 | 10.1 | 18.2 |
| 12 17 | 6 39.30 | +43 6.9 | 2.003 | 2.933 | 7.6 | 18.1 |
| 12 27 | 6 27.89 | +42 48.7 | 1.990 | 2.935 | 6.4 | 18.0 |
| 1 6 | 6 16.59 | +42 9.5 | 2.005 | 2.938 | 7.3 | 18.1 |
| 1 16 | 6 6.76 | +41 11.9 | 2.047 | 2.941 | 9.6 | 18.2 |
| 1 26 | 5 59.46 | +40 1.5 | 2.115 | 2.944 | 12.2 | 18.4 |
| 2 5 | 5 55.22 | +38 44.5 | 2.204 | 2.947 | 14.6 | 18.6 |

**282117** 2001 $AN_{10}$ 12 27.8 3.°18 1.°3/28.0 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.20 | +17 57.4 | 1.145 | 2.016 | 17.6 | 19.8 |
| 12 7 | 6 47.66 | +18 37.4 | 1.085 | 2.015 | 12.6 | 19.5 |
| 12 17 | 6 38.80 | +19 29.2 | 1.046 | 2.015 | 7.0 | 19.2 |
| 12 27 | 6 27.87 | +20 28.6 | 1.032 | 2.015 | 1.5 | 18.9 |
| 1 6 | 6 16.68 | +21 29.9 | 1.044 | 2.016 | 5.7 | 19.2 |
| 1 16 | 6 7.07 | +22 28.4 | 1.080 | 2.018 | 11.5 | 19.5 |
| 1 26 | 6 0.58 | +23 21.4 | 1.138 | 2.021 | 16.6 | 19.8 |
| 2 5 | 5 57.99 | +24 8.0 | 1.215 | 2.024 | 20.7 | 20.1 |

**228709** 2002 $RN_{74}$ 12 27.8 135.°65 1.°5/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.90 | +26 52.1 | 1.791 | 2.637 | 13.4 | 21.5 |
| 12 7 | 6 50.65 | +27 8.4 | 1.733 | 2.651 | 9.6 | 21.3 |
| 12 17 | 6 39.96 | +27 21.6 | 1.700 | 2.665 | 5.2 | 21.1 |
| 12 27 | 6 27.94 | +27 28.3 | 1.697 | 2.678 | 1.6 | 20.9 |
| 1 6 | 6 16.00 | +27 27.0 | 1.722 | 2.690 | 4.6 | 21.1 |
| 1 16 | 6 5.48 | +27 18.2 | 1.777 | 2.702 | 8.8 | 21.4 |
| 1 26 | 5 57.44 | +27 4.3 | 1.858 | 2.713 | 12.5 | 21.7 |
| 2 5 | 5 52.45 | +26 48.2 | 1.961 | 2.722 | 15.6 | 21.9 |

**412673** 2014 $OG_{202}$ 12 27.8 3.°37 0.°9/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.25 | +24 21.8 | 1.739 | 2.596 | 13.2 | 21.0 |
| 12 7 | 6 46.17 | +24 50.0 | 1.672 | 2.596 | 9.4 | 20.8 |
| 12 17 | 6 37.69 | +25 19.1 | 1.629 | 2.596 | 5.1 | 20.6 |
| 12 27 | 6 27.79 | +25 45.7 | 1.613 | 2.596 | 1.0 | 20.3 |
| 1 6 | 6 17.74 | +26 7.3 | 1.627 | 2.597 | 4.5 | 20.5 |
| 1 16 | 6 8.83 | +26 22.6 | 1.668 | 2.598 | 8.9 | 20.8 |
| 1 26 | 6 2.17 | +26 32.4 | 1.734 | 2.599 | 12.7 | 21.0 |
| 2 5 | 5 58.42 | +26 38.2 | 1.821 | 2.600 | 16.0 | 21.2 |

**189708** 2001 $TH_{149}$ 12 27.8 17.°32 3.°2/28.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.94 | +15 27.0 | 1.125 | 1.996 | 17.8 | 19.1 |
| 12 7 | 6 45.86 | +15 37.9 | 1.073 | 2.002 | 12.9 | 18.8 |
| 12 17 | 6 37.71 | +16 2.1 | 1.043 | 2.008 | 7.6 | 18.5 |
| 12 27 | 6 27.79 | +16 37.8 | 1.036 | 2.016 | 3.3 | 18.3 |
| 1 6 | 6 17.82 | +17 21.6 | 1.054 | 2.024 | 6.2 | 18.5 |
| 1 16 | 6 9.48 | +18 9.7 | 1.096 | 2.034 | 11.4 | 18.8 |
| 1 26 | 6 4.11 | +18 58.7 | 1.161 | 2.045 | 16.1 | 19.1 |
| 2 5 | 6 2.37 | +19 46.0 | 1.244 | 2.057 | 20.0 | 19.4 |

**138139** 2000 $EV_{43}$ 12 27.8 304.°90 2.°7/27.5 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.50 | +28 50.4 | 1.659 | 2.517 | 13.7 | 19.4 |
| 12 7 | 6 47.41 | +29 19.1 | 1.578 | 2.501 | 10.0 | 19.1 |
| 12 17 | 6 38.54 | +29 44.6 | 1.521 | 2.485 | 5.8 | 18.8 |
| 12 27 | 6 27.88 | +30 2.5 | 1.490 | 2.470 | 2.7 | 18.6 |
| 1 6 | 6 16.86 | +30 9.7 | 1.488 | 2.454 | 5.4 | 18.8 |
| 1 16 | 6 7.00 | +30 5.8 | 1.513 | 2.439 | 9.9 | 19.0 |
| 1 26 | 5 59.62 | +29 53.0 | 1.562 | 2.425 | 14.0 | 19.2 |
| 2 5 | 5 55.51 | +29 34.9 | 1.631 | 2.410 | 17.5 | 19.4 |

**122073** 2000 $HJ_{21}$ 12 27.8 147.°62 2.°1/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.95 | +26 44.4 | 1.771 | 2.620 | 13.4 | 19.6 |
| 12 7 | 6 49.49 | +27 29.3 | 1.707 | 2.627 | 9.6 | 19.4 |
| 12 17 | 6 39.47 | +28 13.0 | 1.669 | 2.633 | 5.3 | 19.2 |
| 12 27 | 6 27.95 | +28 50.4 | 1.659 | 2.640 | 2.1 | 19.0 |
| 1 6 | 6 16.30 | +29 18.3 | 1.679 | 2.645 | 4.9 | 19.2 |
| 1 16 | 6 5.92 | +29 35.6 | 1.727 | 2.650 | 9.1 | 19.4 |
| 1 26 | 5 57.97 | +29 43.8 | 1.801 | 2.655 | 12.9 | 19.7 |
| 2 5 | 5 53.10 | +29 45.6 | 1.896 | 2.659 | 16.0 | 19.9 |

**481815** 2008 $UK_{58}$ 12 27.8 106.°67 7.°8/28.6 16

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.53 | + 3 37.9 | 1.775 | 2.586 | 15.1 | 21.6 |
| 12 7 | 6 46.64 | + 2 45.1 | 1.724 | 2.603 | 12.1 | 21.5 |
| 12 17 | 6 37.75 | + 2 9.7 | 1.696 | 2.619 | 9.3 | 21.4 |
| 12 27 | 6 27.81 | + 1 54.7 | 1.695 | 2.635 | 7.8 | 21.3 |
| 1 6 | 6 17.96 | + 2 0.8 | 1.721 | 2.650 | 8.6 | 21.4 |
| 1 16 | 6 9.27 | + 2 26.2 | 1.773 | 2.665 | 10.9 | 21.6 |
| 1 26 | 6 2.63 | + 3 7.0 | 1.850 | 2.680 | 13.7 | 21.8 |
| 2 5 | 5 58.55 | + 3 58.3 | 1.948 | 2.694 | 16.2 | 22.0 |

**367244** 2007 $LT_3$ 12 27.8 86.°94 2.°4/28.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.21 | +15 40.6 | 2.267 | 3.105 | 11.2 | 21.3 |
| 12 7 | 6 44.07 | +15 31.8 | 2.209 | 3.120 | 8.1 | 21.2 |
| 12 17 | 6 36.32 | +15 28.8 | 2.176 | 3.135 | 4.8 | 21.0 |
| 12 27 | 6 27.72 | +15 31.4 | 2.173 | 3.150 | 2.4 | 20.8 |
| 1 6 | 6 19.15 | +15 38.9 | 2.200 | 3.165 | 4.1 | 21.0 |
| 1 16 | 6 11.48 | +15 50.7 | 2.256 | 3.179 | 7.3 | 21.2 |
| 1 26 | 6 5.45 | +16 6.0 | 2.339 | 3.194 | 10.3 | 21.4 |
| 2 5 | 6 1.51 | +16 23.8 | 2.445 | 3.208 | 12.8 | 21.6 |

**110896** 2001 $UT_{115}$ 12 27.8 15.°62 2.°9/27.4 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.79 | +29 48.0 | 1.913 | 2.763 | 12.5 | 19.9 |
| 12 7 | 6 47.21 | +30 27.9 | 1.845 | 2.763 | 9.1 | 19.6 |
| 12 17 | 6 38.25 | +31 3.8 | 1.802 | 2.763 | 5.4 | 19.4 |
| 12 27 | 6 27.87 | +31 31.6 | 1.787 | 2.763 | 2.9 | 19.3 |
| 1 6 | 6 17.34 | +31 48.2 | 1.801 | 2.764 | 5.1 | 19.4 |
| 1 16 | 6 7.93 | +31 53.4 | 1.843 | 2.764 | 8.8 | 19.6 |
| 1 26 | 6 0.75 | +31 48.9 | 1.911 | 2.764 | 12.3 | 19.8 |
| 2 5 | 5 56.44 | +31 37.9 | 2.000 | 2.764 | 15.2 | 20.1 |

**100974** 1998 $QG_{24}$ 12 27.8 49.°82 2.°8/28.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.81 | +16 59.1 | 1.371 | 2.229 | 16.0 | 19.2 |
| 12 7 | 6 47.84 | +16 46.3 | 1.337 | 2.259 | 11.5 | 19.0 |
| 12 17 | 6 38.42 | +16 41.5 | 1.326 | 2.289 | 6.6 | 18.8 |
| 12 27 | 6 27.87 | +16 43.9 | 1.341 | 2.320 | 2.8 | 18.7 |
| 1 6 | 6 17.66 | +16 52.3 | 1.383 | 2.351 | 5.4 | 18.9 |
| 1 16 | 6 9.14 | +17 5.6 | 1.451 | 2.382 | 9.8 | 19.2 |
| 1 26 | 6 3.27 | +17 22.5 | 1.544 | 2.414 | 13.7 | 19.5 |
| 2 5 | 6 0.48 | +17 41.9 | 1.657 | 2.445 | 16.9 | 19.8 |

**41077** 1999 $VT_{43}$ 12 27.8 358.°74 5.°5/28.3 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.39 | + 8 34.5 | 1.981 | 2.810 | 13.0 | 19.4 |
| 12 7 | 6 43.76 | + 7 57.6 | 1.912 | 2.809 | 10.1 | 19.2 |
| 12 17 | 6 36.27 | + 7 32.4 | 1.868 | 2.809 | 7.2 | 19.0 |
| 12 27 | 6 27.72 | + 7 20.8 | 1.850 | 2.809 | 5.5 | 18.9 |
| 1 6 | 6 19.09 | + 7 23.4 | 1.861 | 2.809 | 6.6 | 19.0 |
| 1 16 | 6 11.36 | + 7 39.3 | 1.899 | 2.809 | 9.3 | 19.2 |
| 1 26 | 6 5.38 | + 8 6.4 | 1.963 | 2.809 | 12.3 | 19.3 |
| 2 5 | 6 1.69 | + 8 41.6 | 2.048 | 2.810 | 15.0 | 19.5 |

**509972** 2009 $SO_{341}$ 12 27.8 140.°89 1.°3/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.44 | +19 0.6 | 1.738 | 2.584 | 13.8 | 22.4 |
| 12 7 | 6 48.95 | +19 11.1 | 1.677 | 2.594 | 9.8 | 22.1 |
| 12 17 | 6 39.10 | +19 26.3 | 1.640 | 2.605 | 5.4 | 21.9 |
| 12 27 | 6 27.94 | +19 44.4 | 1.632 | 2.614 | 1.4 | 21.6 |
| 1 6 | 6 16.75 | +20 3.6 | 1.654 | 2.623 | 4.5 | 21.9 |
| 1 16 | 6 6.82 | +20 22.6 | 1.704 | 2.632 | 8.9 | 22.2 |
| 1 26 | 5 59.20 | +20 41.1 | 1.780 | 2.639 | 12.7 | 22.4 |
| 2 5 | 5 54.49 | +20 59.2 | 1.878 | 2.646 | 15.9 | 22.6 |

**343650** 2010 $JY_{85}$ 12 27.8 267.°12 0.°0/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.83 | +23 42.2 | 1.611 | 2.467 | 14.1 | 21.2 |
| 12 7 | 6 48.15 | +23 35.2 | 1.537 | 2.461 | 10.1 | 20.9 |
| 12 17 | 6 38.83 | +23 27.7 | 1.487 | 2.454 | 5.4 | 20.7 |
| 12 27 | 6 27.92 | +23 18.1 | 1.465 | 2.448 | 0.4 | 20.3 |
| 1 6 | 6 16.85 | +23 5.5 | 1.471 | 2.442 | 4.7 | 20.6 |
| 1 16 | 6 7.05 | +22 50.6 | 1.504 | 2.435 | 9.5 | 20.8 |
| 1 26 | 5 59.72 | +22 35.2 | 1.563 | 2.429 | 13.8 | 21.1 |
| 2 5 | 5 55.55 | +22 21.0 | 1.642 | 2.423 | 17.4 | 21.3 |

**156373** 2001 $YR_{12}$ 12 27.8 228.°82 1.°1/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.70 | +20 14.5 | 1.858 | 2.704 | 13.0 | 20.7 |
| 12 7 | 6 47.81 | +20 10.7 | 1.777 | 2.695 | 9.3 | 20.4 |
| 12 17 | 6 38.58 | +20 9.8 | 1.721 | 2.686 | 5.1 | 20.2 |
| 12 27 | 6 27.91 | +20 10.5 | 1.693 | 2.676 | 1.2 | 19.9 |
| 1 6 | 6 17.01 | +20 12.1 | 1.696 | 2.665 | 4.4 | 20.1 |
| 1 16 | 6 7.14 | +20 14.1 | 1.727 | 2.654 | 8.8 | 20.3 |
| 1 26 | 5 59.38 | +20 16.9 | 1.784 | 2.643 | 12.7 | 20.5 |
| 2 5 | 5 54.41 | +20 21.1 | 1.862 | 2.631 | 16.0 | 20.7 |

**491449** 2012 $FJ_{65}$ 12 27.8 341.°15 4.°6/28.5 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.62 | + 9 42.1 | 2.068 | 2.898 | 12.5 | 21.9 |
| 12 7 | 6 43.89 | + 9 30.8 | 1.997 | 2.898 | 9.5 | 21.7 |
| 12 17 | 6 36.34 | + 9 30.8 | 1.951 | 2.897 | 6.5 | 21.6 |
| 12 27 | 6 27.74 | + 9 42.8 | 1.932 | 2.897 | 4.6 | 21.4 |
| 1 6 | 6 19.03 | +10 6.3 | 1.943 | 2.897 | 5.7 | 21.5 |
| 1 16 | 6 11.17 | +10 39.5 | 1.981 | 2.897 | 8.6 | 21.7 |
| 1 26 | 6 5.00 | +11 20.1 | 2.046 | 2.897 | 11.7 | 21.9 |
| 2 5 | 6 1.08 | +12 5.4 | 2.132 | 2.897 | 14.4 | 22.1 |

**197800** 2004 $PU_{64}$ 12 27.8 130.°60 0.°5/27.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.69 | +25 13.1 | 1.751 | 2.601 | 13.5 | 20.8 |
| 12 7 | 6 49.13 | +25 6.2 | 1.689 | 2.610 | 9.6 | 20.6 |
| 12 17 | 6 39.19 | +24 57.1 | 1.653 | 2.619 | 5.1 | 20.3 |
| 12 27 | 6 27.95 | +24 43.9 | 1.644 | 2.627 | 0.6 | 20.0 |
| 1 6 | 6 16.77 | +24 26.3 | 1.665 | 2.635 | 4.4 | 20.3 |
| 1 16 | 6 6.96 | +24 5.4 | 1.715 | 2.643 | 8.8 | 20.6 |
| 1 26 | 5 59.55 | +23 43.3 | 1.790 | 2.650 | 12.6 | 20.8 |
| 2 5 | 5 55.10 | +23 22.2 | 1.887 | 2.657 | 15.8 | 21.1 |

**75484** 1999 $XP_{173}$ 12 27.8 304.°51 1.°4/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.83 | +24 50.1 | 1.606 | 2.466 | 14.0 | 19.2 |
| 12 7 | 6 47.04 | +25 24.6 | 1.520 | 2.445 | 10.1 | 18.9 |
| 12 17 | 6 38.43 | +26 1.1 | 1.457 | 2.424 | 5.5 | 18.6 |
| 12 27 | 6 27.92 | +26 35.4 | 1.421 | 2.403 | 1.4 | 18.3 |
| 1 6 | 6 16.90 | +27 3.8 | 1.413 | 2.383 | 5.1 | 18.5 |
| 1 16 | 6 6.91 | +27 24.3 | 1.432 | 2.362 | 10.0 | 18.7 |
| 1 26 | 5 59.34 | +27 37.4 | 1.475 | 2.343 | 14.4 | 18.9 |
| 2 5 | 5 55.07 | +27 45.0 | 1.539 | 2.323 | 18.2 | 19.1 |

**17023** Abbott 12 27.8 345.°55 0.°3/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.92 | +24 2.3 | 1.275 | 2.145 | 16.1 | 18.0 |
| 12 7 | 6 47.30 | +24 1.8 | 1.209 | 2.139 | 11.5 | 17.7 |
| 12 17 | 6 38.55 | +24 1.5 | 1.165 | 2.134 | 6.2 | 17.4 |
| 12 27 | 6 27.92 | +23 58.8 | 1.146 | 2.129 | 0.6 | 16.9 |
| 1 6 | 6 17.09 | +23 52.4 | 1.153 | 2.125 | 5.4 | 17.3 |
| 1 16 | 6 7.80 | +23 42.6 | 1.185 | 2.122 | 10.9 | 17.6 |
| 1 26 | 6 1.46 | +23 31.3 | 1.240 | 2.119 | 15.7 | 17.9 |
| 2 5 | 5 58.78 | +23 20.4 | 1.313 | 2.117 | 19.7 | 18.1 |

**90667** 5011 $T$-3 12 27.8 87.°48 3.°3/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.30 | +14 4.3 | 1.607 | 2.452 | 14.7 | 19.5 |
| 12 7 | 6 47.45 | +14 9.4 | 1.554 | 2.468 | 10.8 | 19.3 |
| 12 17 | 6 38.29 | +14 24.8 | 1.525 | 2.485 | 6.5 | 19.1 |
| 12 27 | 6 27.89 | +14 49.5 | 1.524 | 2.501 | 3.4 | 18.9 |
| 1 6 | 6 17.55 | +15 21.5 | 1.551 | 2.517 | 5.4 | 19.1 |
| 1 16 | 6 8.51 | +15 58.3 | 1.606 | 2.533 | 9.4 | 19.4 |
| 1 26 | 6 1.81 | +16 37.8 | 1.686 | 2.548 | 13.2 | 19.6 |
| 2 5 | 5 57.98 | +17 17.9 | 1.787 | 2.564 | 16.3 | 19.9 |

**188754** 2005 $UV_{255}$ 12 27.8 94.°92 0.°0/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.04 | +22 20.6 | 2.035 | 2.884 | 11.9 | 20.8 |
| 12 7 | 6 45.66 | +22 36.9 | 1.971 | 2.892 | 8.4 | 20.6 |
| 12 17 | 6 37.30 | +22 54.9 | 1.933 | 2.900 | 4.5 | 20.3 |
| 12 27 | 6 27.82 | +23 12.5 | 1.924 | 2.907 | 0.3 | 20.0 |
| 1 6 | 6 18.30 | +23 27.9 | 1.945 | 2.915 | 3.8 | 20.3 |
| 1 16 | 6 9.79 | +23 40.5 | 1.994 | 2.923 | 7.7 | 20.6 |
| 1 26 | 6 3.21 | +23 50.4 | 2.070 | 2.930 | 11.2 | 20.8 |
| 2 5 | 5 59.10 | +23 58.4 | 2.169 | 2.937 | 14.0 | 21.0 |

**457948** 2009 $VB_{33}$ 12 27.8 306.°77 1.°0/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.27 | +22 1.8 | 2.030 | 2.880 | 11.9 | 20.4 |
| 12 7 | 6 45.22 | +21 32.9 | 1.946 | 2.867 | 8.5 | 20.1 |
| 12 17 | 6 37.12 | +21 3.7 | 1.888 | 2.854 | 4.7 | 19.9 |
| 12 27 | 6 27.82 | +20 34.2 | 1.858 | 2.841 | 1.0 | 19.6 |
| 1 6 | 6 18.37 | +20 4.8 | 1.858 | 2.828 | 4.1 | 19.8 |
| 1 16 | 6 9.84 | +19 36.9 | 1.887 | 2.815 | 8.1 | 20.0 |
| 1 26 | 6 3.20 | +19 11.8 | 1.942 | 2.803 | 11.7 | 20.2 |
| 2 5 | 5 59.04 | +18 50.6 | 2.019 | 2.791 | 14.8 | 20.4 |

**279278** 2009 $WV_{28}$ 12 27.8 297.°46 2.°4/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.02 | +28 33.8 | 2.150 | 2.999 | 11.4 | 20.1 |
| 12 7 | 6 45.81 | +29 19.5 | 2.076 | 2.995 | 8.2 | 19.9 |
| 12 17 | 6 37.48 | +30 3.2 | 2.028 | 2.991 | 4.8 | 19.7 |
| 12 27 | 6 27.85 | +30 40.9 | 2.009 | 2.987 | 2.4 | 19.6 |
| 1 6 | 6 18.00 | +31 9.6 | 2.019 | 2.983 | 4.6 | 19.7 |
| 1 16 | 6 9.07 | +31 28.3 | 2.059 | 2.979 | 8.0 | 19.9 |
| 1 26 | 6 2.04 | +31 37.7 | 2.125 | 2.975 | 11.3 | 20.1 |
| 2 5 | 5 57.56 | +31 40.3 | 2.212 | 2.972 | 14.1 | 20.3 |

**444946** 2008 $CP_{83}$ 12 27.8 22.°89 7.°0/29.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.78 | + 5 10.1 | 1.375 | 2.213 | 17.2 | 19.9 |
| 12 7 | 6 44.56 | + 5 20.2 | 1.323 | 2.223 | 13.4 | 19.7 |
| 12 17 | 6 36.88 | + 5 53.4 | 1.291 | 2.233 | 9.6 | 19.5 |
| 12 27 | 6 27.80 | + 6 49.7 | 1.284 | 2.245 | 7.2 | 19.4 |
| 1 6 | 6 18.69 | + 8 5.8 | 1.303 | 2.257 | 8.0 | 19.5 |
| 1 16 | 6 10.87 | + 9 35.6 | 1.348 | 2.270 | 11.2 | 19.7 |
| 1 26 | 6 5.46 | +11 12.3 | 1.416 | 2.284 | 14.8 | 20.0 |
| 2 5 | 6 3.04 | +12 49.5 | 1.505 | 2.299 | 18.1 | 20.2 |

**272343** 2005 $SX_{125}$ 12 27.8 79.°08 1.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.60 | +24 34.9 | 1.457 | 2.313 | 15.4 | 20.6 |
| 12 7 | 6 50.66 | +25 3.7 | 1.415 | 2.339 | 10.8 | 20.4 |
| 12 17 | 6 40.03 | +25 31.8 | 1.398 | 2.365 | 5.8 | 20.2 |
| 12 27 | 6 28.03 | +25 55.2 | 1.408 | 2.391 | 1.1 | 19.9 |
| 1 6 | 6 16.29 | +26 11.1 | 1.446 | 2.416 | 5.0 | 20.2 |
| 1 16 | 6 6.28 | +26 19.5 | 1.512 | 2.441 | 9.6 | 20.6 |
| 1 26 | 5 59.13 | +26 22.2 | 1.602 | 2.466 | 13.7 | 20.9 |
| 2 5 | 5 55.33 | +26 21.5 | 1.713 | 2.490 | 16.9 | 21.1 |

**71551** 2000 $DW_6$ 12 27.8 94.°53 5.°0/27.1 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.57 | +37 39.4 | 2.258 | 3.090 | 11.5 | 19.5 |
| 12 7 | 6 47.58 | +38 24.5 | 2.196 | 3.096 | 8.8 | 19.4 |
| 12 17 | 6 38.38 | +39 0.0 | 2.160 | 3.103 | 6.3 | 19.2 |
| 12 27 | 6 27.92 | +39 21.3 | 2.152 | 3.109 | 5.0 | 19.1 |
| 1 6 | 6 17.39 | +39 26.0 | 2.172 | 3.115 | 6.2 | 19.2 |
| 1 16 | 6 7.98 | +39 14.7 | 2.221 | 3.121 | 8.7 | 19.4 |
| 1 26 | 6 0.70 | +38 50.6 | 2.296 | 3.127 | 11.3 | 19.6 |
| 2 5 | 5 56.14 | +38 18.0 | 2.393 | 3.133 | 13.7 | 19.8 |

**81259** 2000 $FS_{38}$ 12 27.8 132.°65 0.°5/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.30 | +21 16.9 | 1.859 | 2.704 | 13.0 | 19.7 |
| 12 7 | 6 48.73 | +21 29.2 | 1.800 | 2.718 | 9.2 | 19.5 |
| 12 17 | 6 38.96 | +21 43.8 | 1.766 | 2.731 | 5.0 | 19.2 |
| 12 27 | 6 27.96 | +21 58.5 | 1.761 | 2.744 | 0.6 | 18.9 |
| 1 6 | 6 16.99 | +22 11.7 | 1.786 | 2.756 | 4.2 | 19.2 |
| 1 16 | 6 7.25 | +22 22.7 | 1.840 | 2.767 | 8.4 | 19.5 |
| 1 26 | 5 59.71 | +22 31.8 | 1.920 | 2.778 | 12.0 | 19.8 |
| 2 5 | 5 54.94 | +22 39.9 | 2.023 | 2.787 | 15.1 | 20.0 |

**368295** 2002 $OS_{26}$ 12 27.8 121.°51 4.°8/28.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.95 | + 6 43.3 | 2.624 | 3.434 | 10.8 | 22.0 |
| 12 7 | 6 43.02 | + 6 16.9 | 2.563 | 3.447 | 8.4 | 21.8 |
| 12 17 | 6 35.73 | + 6 0.9 | 2.528 | 3.459 | 6.1 | 21.7 |
| 12 27 | 6 27.72 | + 5 56.4 | 2.521 | 3.472 | 4.9 | 21.6 |
| 1 6 | 6 19.72 | + 6 3.6 | 2.544 | 3.484 | 5.6 | 21.7 |
| 1 16 | 6 12.44 | + 6 21.5 | 2.596 | 3.495 | 7.6 | 21.8 |
| 1 26 | 6 6.52 | + 6 48.2 | 2.675 | 3.507 | 9.9 | 22.0 |
| 2 5 | 6 2.38 | + 7 21.4 | 2.777 | 3.518 | 12.0 | 22.2 |

**147597** 2004 $GW_{25}$ 12 27.8 264.°97 0.°1/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.98 | +23 33.6 | 1.598 | 2.453 | 14.3 | 20.1 |
| 12 7 | 6 49.14 | +23 24.5 | 1.514 | 2.437 | 10.3 | 19.8 |
| 12 17 | 6 39.47 | +23 14.8 | 1.455 | 2.422 | 5.6 | 19.5 |
| 12 27 | 6 28.02 | +23 2.8 | 1.422 | 2.405 | 0.4 | 19.1 |
| 1 6 | 6 16.24 | +22 47.5 | 1.418 | 2.389 | 4.9 | 19.4 |
| 1 16 | 6 5.64 | +22 29.8 | 1.441 | 2.372 | 9.9 | 19.6 |
| 1 26 | 5 57.57 | +22 11.7 | 1.490 | 2.355 | 14.4 | 19.8 |
| 2 5 | 5 52.79 | +21 55.3 | 1.558 | 2.338 | 18.2 | 20.0 |

**367123** 2006 $SS_{129}$ 12 27.8 95.°19 3.°4/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.44 | +16 20.8 | 1.444 | 2.294 | 15.8 | 20.9 |
| 12 7 | 6 49.76 | +15 50.6 | 1.396 | 2.313 | 11.5 | 20.7 |
| 12 17 | 6 39.54 | +15 27.7 | 1.371 | 2.332 | 6.8 | 20.4 |
| 12 27 | 6 28.01 | +15 12.8 | 1.373 | 2.351 | 3.4 | 20.3 |
| 1 6 | 6 16.70 | +15 5.9 | 1.403 | 2.369 | 5.8 | 20.5 |
| 1 16 | 6 6.98 | +15 6.6 | 1.461 | 2.387 | 10.2 | 20.8 |
| 1 26 | 5 59.94 | +15 14.2 | 1.542 | 2.404 | 14.2 | 21.1 |
| 2 5 | 5 56.09 | +15 27.2 | 1.644 | 2.421 | 17.5 | 21.3 |

**12438** 1996 $CZ$ 12 27.8 344.°18 5.°1/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 47.20 | +14 47.0 | 1.146 | 2.021 | 17.2 | 17.2 |
| 12 7 | 6 43.41 | +14 1.9 | 1.075 | 2.004 | 12.9 | 16.9 |
| 12 17 | 6 36.58 | +13 26.6 | 1.025 | 1.988 | 8.2 | 16.6 |
| 12 27 | 6 27.82 | +13 4.2 | 0.998 | 1.974 | 5.1 | 16.4 |
| 1 6 | 6 18.71 | +12 56.3 | 0.995 | 1.961 | 7.5 | 16.5 |
| 1 16 | 6 10.95 | +13 3.0 | 1.015 | 1.951 | 12.4 | 16.7 |
| 1 26 | 6 5.98 | +13 22.4 | 1.056 | 1.942 | 17.2 | 17.0 |
| 2 5 | 6 4.61 | +13 51.2 | 1.114 | 1.935 | 21.4 | 17.2 |

**523492** 2017 $HQ_8$ 12 27.8 57.°06 4.°5/28.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.63 | + 9 53.8 | 2.000 | 2.832 | 12.8 | 21.0 |
| 12 7 | 6 43.88 | + 9 45.4 | 1.940 | 2.842 | 9.7 | 20.8 |
| 12 17 | 6 36.33 | + 9 48.8 | 1.904 | 2.852 | 6.5 | 20.7 |
| 12 27 | 6 27.79 | +10 4.2 | 1.896 | 2.862 | 4.5 | 20.6 |
| 1 6 | 6 19.23 | +10 30.7 | 1.917 | 2.873 | 5.6 | 20.7 |
| 1 16 | 6 11.60 | +11 6.3 | 1.966 | 2.883 | 8.5 | 20.9 |
| 1 26 | 6 5.74 | +11 48.6 | 2.040 | 2.894 | 11.6 | 21.1 |
| 2 5 | 6 2.14 | +12 34.7 | 2.137 | 2.905 | 14.3 | 21.3 |

**268575** 2006 $BP_{102}$ 12 27.8 206.°76 3.°4/28.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.42 | +11 49.7 | 2.369 | 3.199 | 11.1 | 20.9 |
| 12 7 | 6 43.62 | +11 47.0 | 2.293 | 3.196 | 8.3 | 20.7 |
| 12 17 | 6 36.18 | +11 52.9 | 2.243 | 3.194 | 5.4 | 20.5 |
| 12 27 | 6 27.78 | +12 7.6 | 2.221 | 3.191 | 3.4 | 20.4 |
| 1 6 | 6 19.27 | +12 30.3 | 2.230 | 3.189 | 4.7 | 20.5 |
| 1 16 | 6 11.49 | +12 59.6 | 2.267 | 3.186 | 7.5 | 20.6 |
| 1 26 | 6 5.21 | +13 33.9 | 2.332 | 3.183 | 10.4 | 20.8 |
| 2 5 | 6 0.94 | +14 11.2 | 2.420 | 3.179 | 13.0 | 21.0 |

**267119** 2000 $DA_{29}$ 12 27.8 146.°16 4.°6/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.80 | +37 46.3 | 2.355 | 3.184 | 11.2 | 20.5 |
| 12 7 | 6 47.64 | +38 8.0 | 2.287 | 3.187 | 8.5 | 20.3 |
| 12 17 | 6 38.38 | +38 19.5 | 2.244 | 3.189 | 5.9 | 20.1 |
| 12 27 | 6 27.96 | +38 17.2 | 2.231 | 3.191 | 4.6 | 20.1 |
| 1 6 | 6 17.54 | +37 59.8 | 2.246 | 3.192 | 5.7 | 20.1 |
| 1 16 | 6 8.24 | +37 28.5 | 2.290 | 3.194 | 8.2 | 20.3 |
| 1 26 | 6 1.00 | +36 46.8 | 2.361 | 3.196 | 10.9 | 20.5 |
| 2 5 | 5 56.36 | +35 58.9 | 2.454 | 3.198 | 13.3 | 20.6 |

**256785** 2008 $CG_{19}$ 12 27.8 227.°99 1.°0/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.98 | +25 18.9 | 1.944 | 2.795 | 12.3 | 21.1 |
| 12 7 | 6 46.54 | +25 34.3 | 1.872 | 2.793 | 8.8 | 20.9 |
| 12 17 | 6 37.88 | +25 49.0 | 1.826 | 2.792 | 4.7 | 20.6 |
| 12 27 | 6 27.94 | +26 0.3 | 1.808 | 2.791 | 1.0 | 20.4 |
| 1 6 | 6 17.87 | +26 6.4 | 1.820 | 2.789 | 4.2 | 20.6 |
| 1 16 | 6 8.85 | +26 7.2 | 1.860 | 2.788 | 8.2 | 20.8 |
| 1 26 | 6 1.90 | +26 3.7 | 1.926 | 2.786 | 11.9 | 21.1 |
| 2 5 | 5 57.64 | +25 57.8 | 2.014 | 2.785 | 14.9 | 21.3 |

**219208** 1999 $VE_{51}$ 12 27.8 24.°41 7.°7/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 59.05 | +37 49.4 | 1.242 | 2.099 | 17.4 | 19.4 |
| 12 7 | 6 52.12 | +38 49.8 | 1.189 | 2.102 | 13.4 | 19.2 |
| 12 17 | 6 41.30 | +39 35.4 | 1.157 | 2.106 | 9.6 | 19.0 |
| 12 27 | 6 28.19 | +39 56.6 | 1.150 | 2.111 | 7.7 | 18.9 |
| 1 6 | 6 15.03 | +39 49.0 | 1.167 | 2.116 | 9.4 | 19.0 |
| 1 16 | 6 4.02 | +39 15.2 | 1.208 | 2.121 | 13.1 | 19.2 |
| 1 26 | 5 56.79 | +38 22.9 | 1.271 | 2.127 | 17.0 | 19.5 |
| 2 5 | 5 53.98 | +37 21.2 | 1.352 | 2.133 | 20.4 | 19.7 |

**24129** Oliviahu 12 27.8 60.°37 0.°7/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.58 | +21 39.1 | 1.242 | 2.107 | 16.8 | 18.1 |
| 12 7 | 6 49.58 | +21 38.3 | 1.196 | 2.124 | 11.9 | 17.8 |
| 12 17 | 6 39.60 | +21 40.5 | 1.172 | 2.141 | 6.4 | 17.6 |
| 12 27 | 6 28.06 | +21 43.5 | 1.175 | 2.158 | 0.9 | 17.3 |
| 1 6 | 6 16.71 | +21 45.6 | 1.203 | 2.175 | 5.3 | 17.6 |
| 1 16 | 6 7.19 | +21 46.9 | 1.258 | 2.193 | 10.6 | 18.0 |
| 1 26 | 6 0.73 | +21 48.1 | 1.335 | 2.210 | 15.1 | 18.3 |
| 2 5 | 5 57.85 | +21 50.2 | 1.432 | 2.228 | 18.8 | 18.6 |

**416210** 2002 $UZ_{23}$ 12 27.8 95.°70 5.°4/28.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.21 | + 5 52.6 | 2.514 | 3.323 | 11.2 | 21.4 |
| 12 7 | 6 43.23 | + 5 11.2 | 2.459 | 3.340 | 8.8 | 21.3 |
| 12 17 | 6 35.86 | + 4 41.0 | 2.429 | 3.356 | 6.6 | 21.2 |
| 12 27 | 6 27.78 | + 4 23.7 | 2.427 | 3.373 | 5.4 | 21.1 |
| 1 6 | 6 19.75 | + 4 19.8 | 2.455 | 3.389 | 6.1 | 21.2 |
| 1 16 | 6 12.50 | + 4 28.4 | 2.511 | 3.405 | 8.1 | 21.3 |
| 1 26 | 6 6.67 | + 4 48.0 | 2.594 | 3.421 | 10.3 | 21.5 |
| 2 5 | 6 2.66 | + 5 15.7 | 2.699 | 3.436 | 12.3 | 21.7 |

**28757** Seanweber 12 27.8 210.°45 0.°6/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.39 | +20 45.4 | 2.871 | 3.710 | 9.1 | 20.4 |
| 12 7 | 6 43.43 | +20 51.0 | 2.789 | 3.704 | 6.5 | 20.3 |
| 12 17 | 6 36.04 | +20 58.4 | 2.734 | 3.698 | 3.5 | 20.1 |
| 12 27 | 6 27.80 | +21 6.6 | 2.709 | 3.692 | 0.6 | 19.8 |
| 1 6 | 6 19.46 | +21 14.8 | 2.716 | 3.685 | 3.0 | 20.0 |
| 1 16 | 6 11.74 | +21 22.5 | 2.753 | 3.678 | 6.0 | 20.2 |
| 1 26 | 6 5.32 | +21 29.8 | 2.819 | 3.671 | 8.8 | 20.4 |
| 2 5 | 6 0.68 | +21 36.8 | 2.909 | 3.663 | 11.2 | 20.5 |

**113127** 2002 $RD_{83}$ 12 27.8 233.°14 6.°0/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.60 | +39 40.7 | 2.065 | 2.891 | 12.7 | 19.9 |
| 12 7 | 6 50.82 | +40 23.2 | 1.988 | 2.882 | 9.9 | 19.7 |
| 12 17 | 6 40.31 | +40 53.8 | 1.935 | 2.873 | 7.3 | 19.6 |
| 12 27 | 6 28.13 | +41 6.5 | 1.911 | 2.863 | 6.0 | 19.5 |
| 1 6 | 6 15.73 | +40 58.5 | 1.915 | 2.853 | 7.2 | 19.5 |
| 1 16 | 6 4.59 | +40 30.5 | 1.946 | 2.842 | 9.9 | 19.7 |
| 1 26 | 5 55.97 | +39 47.1 | 2.003 | 2.831 | 12.9 | 19.8 |
| 2 5 | 5 50.56 | +38 54.3 | 2.081 | 2.820 | 15.5 | 20.0 |

**53511** 2000 $AV_{126}$ 12 27.8 193.°46 2.°4/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.94 | +15 58.0 | 1.900 | 2.739 | 13.1 | 18.9 |
| 12 7 | 6 47.89 | +16 2.4 | 1.824 | 2.737 | 9.5 | 18.7 |
| 12 17 | 6 38.61 | +16 13.9 | 1.774 | 2.735 | 5.6 | 18.5 |
| 12 27 | 6 28.01 | +16 31.7 | 1.753 | 2.732 | 2.5 | 18.3 |
| 1 6 | 6 17.22 | +16 54.3 | 1.761 | 2.728 | 4.7 | 18.4 |
| 1 16 | 6 7.44 | +17 20.2 | 1.799 | 2.724 | 8.7 | 18.6 |
| 1 26 | 5 59.68 | +17 48.2 | 1.863 | 2.719 | 12.4 | 18.9 |
| 2 5 | 5 54.60 | +18 17.4 | 1.949 | 2.713 | 15.6 | 19.1 |

**498918** 2009 $BF$ 12 27.8 146.°02 15.°6/ 2.2 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 8 21.98 | +65 16.3 | 1.619 | 2.284 | 21.9 | 22.7 |
| 12 7 | 7 51.52 | +65 51.3 | 1.555 | 2.301 | 19.6 | 22.6 |
| 12 17 | 7 11.95 | +65 28.5 | 1.512 | 2.317 | 17.4 | 22.4 |
| 12 27 | 6 30.32 | +63 43.1 | 1.494 | 2.331 | 15.9 | 22.4 |
| 1 6 | 5 54.80 | +60 36.2 | 1.505 | 2.344 | 15.7 | 22.4 |
| 1 16 | 5 29.47 | +56 33.9 | 1.547 | 2.355 | 16.9 | 22.5 |
| 1 26 | 5 14.19 | +52 10.3 | 1.618 | 2.365 | 18.9 | 22.7 |
| 2 5 | 5 6.93 | +47 52.4 | 1.714 | 2.373 | 21.0 | 22.9 |

**104154** 2000 $EP_{69}$ 12 27.8 96.°52 10.°6/30.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.33 | −13 4.3 | 2.529 | 3.237 | 13.8 | 19.4 |
| 12 7 | 6 42.68 | −14 1.6 | 2.479 | 3.250 | 12.4 | 19.3 |
| 12 17 | 6 35.62 | −14 36.4 | 2.450 | 3.262 | 11.3 | 19.2 |
| 12 27 | 6 27.79 | −14 45.4 | 2.444 | 3.275 | 10.7 | 19.2 |
| 1 6 | 6 19.95 | −14 27.9 | 2.462 | 3.287 | 10.8 | 19.2 |
| 1 16 | 6 12.87 | −13 45.6 | 2.504 | 3.299 | 11.6 | 19.3 |
| 1 26 | 6 7.19 | −12 42.5 | 2.568 | 3.310 | 12.7 | 19.4 |
| 2 5 | 6 3.35 | −11 24.2 | 2.652 | 3.322 | 14.0 | 19.5 |

**382181** 2012 $KW_4$ 12 27.8 121.°32 7.°1/30.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.26 | + 1 11.5 | 1.717 | 2.514 | 16.1 | 20.6 |
| 12 7 | 6 49.47 | + 1 44.0 | 1.659 | 2.531 | 12.8 | 20.5 |
| 12 17 | 6 39.41 | + 2 39.9 | 1.623 | 2.547 | 9.5 | 20.3 |
| 12 27 | 6 28.08 | + 3 58.8 | 1.615 | 2.563 | 7.3 | 20.2 |
| 1 6 | 6 16.74 | + 5 36.5 | 1.636 | 2.578 | 7.8 | 20.3 |
| 1 16 | 6 6.60 | + 7 26.6 | 1.686 | 2.592 | 10.5 | 20.5 |
| 1 26 | 5 58.68 | + 9 22.0 | 1.763 | 2.606 | 13.6 | 20.7 |
| 2 5 | 5 53.57 | +11 16.4 | 1.863 | 2.619 | 16.5 | 20.9 |

**63669** 2001 $QS_{131}$ 12 27.8 70.°04 0.°5/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.33 | +20 50.2 | 1.401 | 2.260 | 15.7 | 19.2 |
| 12 7 | 6 49.19 | +21 10.8 | 1.355 | 2.280 | 11.1 | 18.9 |
| 12 17 | 6 39.34 | +21 35.5 | 1.333 | 2.300 | 5.9 | 18.7 |
| 12 27 | 6 28.08 | +22 1.0 | 1.337 | 2.320 | 0.7 | 18.4 |
| 1 6 | 6 16.97 | +22 24.7 | 1.369 | 2.341 | 4.9 | 18.7 |
| 1 16 | 6 7.49 | +22 45.2 | 1.428 | 2.361 | 9.8 | 19.1 |
| 1 26 | 6 0.78 | +23 2.7 | 1.512 | 2.381 | 14.0 | 19.4 |
| 2 5 | 5 57.37 | +23 17.8 | 1.615 | 2.401 | 17.4 | 19.7 |

**272101** 2005 $GE_{195}$ 12 27.8 341.°97 0.°1/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.68 | +22 24.7 | 1.823 | 2.681 | 12.7 | 20.4 |
| 12 7 | 6 44.33 | +22 32.5 | 1.748 | 2.673 | 9.0 | 20.2 |
| 12 17 | 6 36.78 | +22 42.3 | 1.698 | 2.665 | 4.9 | 19.9 |
| 12 27 | 6 27.90 | +22 52.2 | 1.675 | 2.658 | 0.4 | 19.5 |
| 1 6 | 6 18.83 | +23 0.8 | 1.681 | 2.652 | 4.2 | 19.8 |
| 1 16 | 6 10.77 | +23 7.5 | 1.714 | 2.646 | 8.5 | 20.1 |
| 1 26 | 6 4.74 | +23 12.5 | 1.773 | 2.641 | 12.3 | 20.3 |
| 2 5 | 6 1.37 | +23 16.6 | 1.853 | 2.637 | 15.5 | 20.5 |

**349223** 2007 $TB_8$ 12 27.8 18.°94 0.°5/27.8 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.63 | +24 19.1 | 1.319 | 2.189 | 15.8 | 21.4 |
| 12 7 | 6 46.88 | +24 21.2 | 1.265 | 2.195 | 11.2 | 21.1 |
| 12 17 | 6 38.26 | +24 23.1 | 1.232 | 2.201 | 6.0 | 20.8 |
| 12 27 | 6 28.03 | +24 22.5 | 1.225 | 2.208 | 0.7 | 20.5 |
| 1 6 | 6 17.82 | +24 17.9 | 1.245 | 2.217 | 5.1 | 20.8 |
| 1 16 | 6 9.19 | +24 9.7 | 1.290 | 2.226 | 10.2 | 21.1 |
| 1 26 | 6 3.39 | +23 59.7 | 1.358 | 2.236 | 14.7 | 21.4 |
| 2 5 | 6 1.01 | +23 49.6 | 1.446 | 2.247 | 18.4 | 21.7 |

**247033** 2000 $BN_{43}$ 12 27.8 198.°88 1.°2/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.52 | +26 47.4 | 2.364 | 3.204 | 10.8 | 21.5 |
| 12 7 | 6 47.35 | +26 55.6 | 2.285 | 3.201 | 7.7 | 21.3 |
| 12 17 | 6 38.25 | +27 1.4 | 2.232 | 3.197 | 4.2 | 21.0 |
| 12 27 | 6 28.03 | +27 2.5 | 2.210 | 3.192 | 1.2 | 20.8 |
| 1 6 | 6 17.70 | +26 57.8 | 2.218 | 3.186 | 3.7 | 21.0 |
| 1 16 | 6 8.26 | +26 47.6 | 2.257 | 3.180 | 7.3 | 21.2 |
| 1 26 | 6 0.62 | +26 33.4 | 2.323 | 3.174 | 10.5 | 21.4 |
| 2 5 | 5 55.33 | +26 17.1 | 2.413 | 3.166 | 13.2 | 21.6 |

**481050** 2005 $GV_{32}$ 12 27.8 312.°32 4.°2/27.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.29 | +14 53.4 | 1.469 | 2.323 | 15.3 | 21.8 |
| 12 7 | 6 47.00 | +14 26.3 | 1.361 | 2.280 | 11.6 | 21.5 |
| 12 17 | 6 38.67 | +14 7.0 | 1.276 | 2.237 | 7.3 | 21.1 |
| 12 27 | 6 28.10 | +13 57.3 | 1.217 | 2.193 | 4.2 | 20.8 |
| 1 6 | 6 16.63 | +13 58.0 | 1.184 | 2.150 | 6.7 | 20.8 |
| 1 16 | 6 5.86 | +14 9.1 | 1.177 | 2.106 | 11.8 | 21.0 |
| 1 26 | 5 57.42 | +14 30.1 | 1.193 | 2.063 | 16.9 | 21.2 |
| 2 5 | 5 52.42 | +14 59.1 | 1.228 | 2.021 | 21.4 | 21.3 |

**289411** 2005 $CE_{72}$ 12 27.8 98.°80 7.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 2.45 | +42 31.7 | 1.883 | 2.703 | 14.0 | 20.3 |
| 12 7 | 6 53.43 | +43 9.9 | 1.836 | 2.722 | 11.0 | 20.2 |
| 12 17 | 6 41.58 | +43 31.2 | 1.812 | 2.741 | 8.4 | 20.1 |
| 12 27 | 6 28.29 | +43 29.8 | 1.816 | 2.760 | 7.1 | 20.0 |
| 1 6 | 6 15.26 | +43 4.2 | 1.847 | 2.778 | 8.0 | 20.1 |
| 1 16 | 6 4.07 | +42 17.4 | 1.906 | 2.796 | 10.4 | 20.3 |
| 1 26 | 5 55.86 | +41 16.0 | 1.989 | 2.813 | 13.1 | 20.5 |
| 2 5 | 5 51.13 | +40 7.4 | 2.094 | 2.830 | 15.5 | 20.7 |

**455162** 1998 $SE_5$ 12 27.8 68.°35 4.°6/27.9 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.46 | +11 43.4 | 2.099 | 2.925 | 12.5 | 21.1 |
| 12 7 | 6 46.93 | +10 41.2 | 2.061 | 2.960 | 9.4 | 20.9 |
| 12 17 | 6 37.81 | + 9 47.7 | 2.049 | 2.995 | 6.3 | 20.8 |
| 12 27 | 6 28.00 | + 9 5.1 | 2.067 | 3.030 | 4.6 | 20.8 |
| 1 6 | 6 18.48 | + 8 34.7 | 2.115 | 3.064 | 5.8 | 20.9 |
| 1 16 | 6 10.12 | + 8 16.6 | 2.192 | 3.098 | 8.4 | 21.1 |
| 1 26 | 6 3.62 | + 8 9.7 | 2.295 | 3.132 | 11.1 | 21.4 |
| 2 5 | 5 59.36 | + 8 12.1 | 2.421 | 3.165 | 13.4 | 21.6 |

**211438** 2002 $YD_{18}$ 12 27.8 59.°12 0.°0/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.79 | +21 35.5 | 1.632 | 2.488 | 14.0 | 19.6 |
| 12 7 | 6 47.22 | +22 6.8 | 1.582 | 2.506 | 9.9 | 19.4 |
| 12 17 | 6 38.28 | +22 41.3 | 1.556 | 2.523 | 5.3 | 19.2 |
| 12 27 | 6 28.06 | +23 15.7 | 1.558 | 2.541 | 0.4 | 18.9 |
| 1 6 | 6 17.88 | +23 47.0 | 1.589 | 2.560 | 4.4 | 19.2 |
| 1 16 | 6 9.05 | +24 13.6 | 1.647 | 2.578 | 8.8 | 19.5 |
| 1 26 | 6 2.58 | +24 35.6 | 1.730 | 2.596 | 12.7 | 19.8 |
| 2 5 | 5 59.04 | +24 53.7 | 1.835 | 2.615 | 15.8 | 20.1 |

**438021** 2004 $BW_2$ 12 27.8 246.°70 6.°4/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 6.96 | +41 34.8 | 1.849 | 2.665 | 14.3 | 20.8 |
| 12 7 | 6 57.03 | +41 37.2 | 1.758 | 2.647 | 11.3 | 20.5 |
| 12 17 | 6 43.75 | +41 21.0 | 1.692 | 2.628 | 8.2 | 20.3 |
| 12 27 | 6 28.49 | +40 39.8 | 1.653 | 2.608 | 6.5 | 20.2 |
| 1 6 | 6 13.11 | +39 31.7 | 1.644 | 2.587 | 7.7 | 20.2 |
| 1 16 | 5 59.48 | +38 0.8 | 1.664 | 2.566 | 10.9 | 20.3 |
| 1 26 | 5 49.06 | +36 15.8 | 1.710 | 2.544 | 14.4 | 20.5 |
| 2 5 | 5 42.53 | +34 26.4 | 1.778 | 2.521 | 17.6 | 20.7 |

**58920** 1998 $KJ_{56}$ 12 27.8 84.°17 19.°2/29.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.79 | −11 42.9 | 1.107 | 1.883 | 24.4 | 18.7 |
| 12 7 | 6 49.22 | −14 3.9 | 1.072 | 1.893 | 22.0 | 18.6 |
| 12 17 | 6 39.56 | −15 42.7 | 1.052 | 1.902 | 20.2 | 18.5 |
| 12 27 | 6 28.16 | −16 28.0 | 1.050 | 1.912 | 19.2 | 18.5 |
| 1 6 | 6 16.78 | −16 16.2 | 1.066 | 1.921 | 19.5 | 18.5 |
| 1 16 | 6 7.13 | −15 11.7 | 1.100 | 1.931 | 20.8 | 18.7 |
| 1 26 | 6 0.55 | −13 26.1 | 1.151 | 1.940 | 22.7 | 18.8 |
| 2 5 | 5 57.66 | −11 14.0 | 1.215 | 1.949 | 24.7 | 19.0 |

**469769** 2005 $QL_{53}$ 12 27.8 35.°95 5.°7/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.41 | +34 13.1 | 1.008 | 1.881 | 19.2 | 19.8 |
| 12 7 | 6 51.47 | +34 38.9 | 0.977 | 1.903 | 14.1 | 19.5 |
| 12 17 | 6 40.76 | +34 50.0 | 0.966 | 1.927 | 8.9 | 19.4 |
| 12 27 | 6 28.24 | +34 40.1 | 0.978 | 1.952 | 5.7 | 19.3 |
| 1 6 | 6 16.28 | +34 8.5 | 1.015 | 1.978 | 8.0 | 19.5 |
| 1 16 | 6 6.95 | +33 20.3 | 1.074 | 2.005 | 12.5 | 19.8 |
| 1 26 | 6 1.53 | +32 23.4 | 1.155 | 2.032 | 16.8 | 20.1 |
| 2 5 | 6 0.34 | +31 24.9 | 1.255 | 2.061 | 20.3 | 20.5 |

**370376** 2002 $TN_{84}$ 12 27.8 120.°80 8.°6/29.2 17 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.11 | − 5 50.2 | 2.587 | 3.341 | 12.4 | 21.0 |
| 12 7 | 6 42.53 | − 6 40.8 | 2.528 | 3.348 | 10.8 | 20.9 |
| 12 17 | 6 35.58 | − 7 13.6 | 2.492 | 3.356 | 9.3 | 20.8 |
| 12 27 | 6 27.86 | − 7 25.8 | 2.481 | 3.364 | 8.6 | 20.8 |
| 1 6 | 6 20.11 | − 7 16.5 | 2.497 | 3.371 | 8.9 | 20.8 |
| 1 16 | 6 13.06 | − 6 47.0 | 2.538 | 3.378 | 10.0 | 20.9 |
| 1 26 | 6 7.34 | − 6 0.5 | 2.604 | 3.385 | 11.6 | 21.0 |
| 2 5 | 6 3.39 | − 5 1.4 | 2.691 | 3.392 | 13.2 | 21.2 |

**149791** 2005 $GU_{23}$ 12 27.8 174.°15 1.°8/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.32 | +26 22.6 | 1.806 | 2.652 | 13.3 | 20.8 |
| 12 7 | 6 50.54 | +27 2.8 | 1.737 | 2.655 | 9.5 | 20.5 |
| 12 17 | 6 40.16 | +27 41.8 | 1.694 | 2.658 | 5.3 | 20.3 |
| 12 27 | 6 28.22 | +28 15.2 | 1.679 | 2.660 | 1.9 | 20.1 |
| 1 6 | 6 16.11 | +28 39.5 | 1.694 | 2.661 | 4.8 | 20.3 |
| 1 16 | 6 5.22 | +28 54.0 | 1.738 | 2.661 | 9.1 | 20.5 |
| 1 26 | 5 56.74 | +29 0.1 | 1.808 | 2.661 | 12.9 | 20.8 |
| 2 5 | 5 51.36 | +29 0.4 | 1.900 | 2.660 | 16.1 | 21.0 |

**223614** 2004 $HZ_{71}$ 12 27.8 331.°11 1.°5/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.31 | +20 10.8 | 1.204 | 2.076 | 16.8 | 20.3 |
| 12 7 | 6 47.09 | +20 5.5 | 1.133 | 2.064 | 12.2 | 20.0 |
| 12 17 | 6 38.63 | +20 5.5 | 1.084 | 2.052 | 6.7 | 19.6 |
| 12 27 | 6 28.12 | +20 9.4 | 1.059 | 2.042 | 1.6 | 19.3 |
| 1 6 | 6 17.25 | +20 15.9 | 1.060 | 2.032 | 5.7 | 19.5 |
| 1 16 | 6 7.83 | +20 24.0 | 1.085 | 2.023 | 11.5 | 19.8 |
| 1 26 | 6 1.38 | +20 33.8 | 1.132 | 2.015 | 16.6 | 20.1 |
| 2 5 | 5 58.73 | +20 45.3 | 1.198 | 2.008 | 20.8 | 20.3 |

**244459** 2002 $RW_{167}$ 12 27.8 164.°43 1.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.83 | +26 16.5 | 2.286 | 3.127 | 11.1 | 22.0 |
| 12 7 | 6 47.57 | +26 32.0 | 2.216 | 3.132 | 7.9 | 21.8 |
| 12 17 | 6 38.37 | +26 45.5 | 2.173 | 3.137 | 4.3 | 21.6 |
| 12 27 | 6 28.08 | +26 54.7 | 2.160 | 3.142 | 1.2 | 21.3 |
| 1 6 | 6 17.74 | +26 58.1 | 2.178 | 3.146 | 3.8 | 21.5 |
| 1 16 | 6 8.37 | +26 55.8 | 2.225 | 3.149 | 7.3 | 21.8 |
| 1 26 | 6 0.86 | +26 49.0 | 2.301 | 3.151 | 10.6 | 22.0 |
| 2 5 | 5 55.75 | +26 39.7 | 2.399 | 3.153 | 13.2 | 22.2 |

**343702** 2011 $DN_{50}$ 12 27.8 242.°55 6.°1/28.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.18 | + 8 41.0 | 1.787 | 2.614 | 14.3 | 21.1 |
| 12 7 | 6 47.53 | + 7 56.9 | 1.703 | 2.599 | 11.2 | 20.8 |
| 12 17 | 6 38.56 | + 7 24.3 | 1.643 | 2.584 | 8.0 | 20.6 |
| 12 27 | 6 28.11 | + 7 6.3 | 1.610 | 2.569 | 6.2 | 20.5 |
| 1 6 | 6 17.36 | + 7 4.1 | 1.605 | 2.553 | 7.4 | 20.5 |
| 1 16 | 6 7.52 | + 7 17.4 | 1.628 | 2.536 | 10.7 | 20.7 |
| 1 26 | 5 59.72 | + 7 44.3 | 1.675 | 2.519 | 14.2 | 20.8 |
| 2 5 | 5 54.65 | + 8 21.3 | 1.743 | 2.501 | 17.4 | 21.0 |

**54108** 2000 $HU_{9}$ 12 27.8 192.°70 6.°3/26.0 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.86 | +44 27.0 | 2.845 | 3.646 | 10.3 | 19.6 |
| 12 7 | 6 49.27 | +45 39.4 | 2.776 | 3.644 | 8.4 | 19.5 |
| 12 17 | 6 39.43 | +46 40.5 | 2.734 | 3.642 | 6.9 | 19.4 |
| 12 27 | 6 28.18 | +47 25.1 | 2.720 | 3.640 | 6.3 | 19.4 |
| 1 6 | 6 16.62 | +47 50.1 | 2.736 | 3.638 | 7.1 | 19.4 |
| 1 16 | 6 5.94 | +47 55.3 | 2.779 | 3.635 | 8.8 | 19.5 |
| 1 26 | 5 57.19 | +47 43.5 | 2.848 | 3.632 | 10.6 | 19.6 |
| 2 5 | 5 51.05 | +47 19.2 | 2.938 | 3.628 | 12.4 | 19.8 |

**141594** 2002 $HN_{12}$ 12 27.8 219.°86 0.°1/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.38 | +22 59.7 | 1.711 | 2.560 | 13.8 | 21.6 |
| 12 7 | 6 50.01 | +23 11.5 | 1.632 | 2.552 | 9.9 | 21.3 |
| 12 17 | 6 39.96 | +23 24.5 | 1.577 | 2.543 | 5.4 | 21.1 |
| 12 27 | 6 28.23 | +23 36.1 | 1.550 | 2.534 | 0.4 | 20.7 |
| 1 6 | 6 16.22 | +23 44.1 | 1.553 | 2.523 | 4.6 | 21.0 |
| 1 16 | 6 5.36 | +23 48.1 | 1.584 | 2.512 | 9.4 | 21.2 |
| 1 26 | 5 56.91 | +23 49.0 | 1.641 | 2.501 | 13.6 | 21.4 |
| 2 5 | 5 51.61 | +23 48.7 | 1.719 | 2.489 | 17.1 | 21.7 |

**104701** 2000 $GV_{164}$ 12 27.8 36.°75 2.°2/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.52 | +15 19.0 | 2.125 | 2.967 | 11.8 | 18.8 |
| 12 7 | 6 43.87 | +15 34.0 | 2.058 | 2.972 | 8.5 | 18.6 |
| 12 17 | 6 36.43 | +15 56.5 | 2.016 | 2.976 | 5.0 | 18.4 |
| 12 27 | 6 27.95 | +16 25.5 | 2.003 | 2.981 | 2.3 | 18.2 |
| 1 6 | 6 19.39 | +16 59.1 | 2.019 | 2.986 | 4.1 | 18.4 |
| 1 16 | 6 11.68 | +17 35.6 | 2.065 | 2.992 | 7.6 | 18.6 |
| 1 26 | 6 5.66 | +18 13.2 | 2.137 | 2.997 | 10.8 | 18.8 |
| 2 5 | 6 1.86 | +18 50.7 | 2.231 | 3.003 | 13.6 | 19.0 |

**335459** 2005 $VZ_{27}$ 12 27.8 303.°78 2.°0/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.91 | +27 5.5 | 1.484 | 2.343 | 14.9 | 20.6 |
| 12 7 | 6 49.23 | +27 26.7 | 1.416 | 2.340 | 10.7 | 20.4 |
| 12 17 | 6 39.61 | +27 45.5 | 1.372 | 2.338 | 6.0 | 20.1 |
| 12 27 | 6 28.21 | +27 57.6 | 1.354 | 2.335 | 2.0 | 19.8 |
| 1 6 | 6 16.63 | +28 0.4 | 1.364 | 2.333 | 5.3 | 20.1 |
| 1 16 | 6 6.48 | +27 54.2 | 1.400 | 2.330 | 10.2 | 20.3 |
| 1 26 | 5 59.11 | +27 41.2 | 1.461 | 2.328 | 14.5 | 20.6 |
| 2 5 | 5 55.23 | +27 25.0 | 1.542 | 2.326 | 18.1 | 20.8 |

**199493** 2006 $DG_{89}$ 12 27.8 30.°69 0.°2/27.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.95 | +22 22.7 | 2.107 | 2.957 | 11.5 | 21.4 |
| 12 7 | 6 44.94 | +22 27.5 | 2.037 | 2.958 | 8.2 | 21.2 |
| 12 17 | 6 37.02 | +22 33.5 | 1.993 | 2.960 | 4.4 | 20.9 |
| 12 27 | 6 28.00 | +22 39.3 | 1.978 | 2.961 | 0.4 | 20.6 |
| 1 6 | 6 18.91 | +22 43.8 | 1.992 | 2.963 | 3.7 | 20.9 |
| 1 16 | 6 10.76 | +22 46.6 | 2.036 | 2.965 | 7.5 | 21.1 |
| 1 26 | 6 4.42 | +22 48.3 | 2.106 | 2.967 | 11.0 | 21.4 |
| 2 5 | 6 0.45 | +22 49.4 | 2.198 | 2.969 | 13.8 | 21.6 |

**100128** 1993 $QK_{8}$ 12 27.8 153.°57 1.°6/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.91 | +27 31.0 | 2.111 | 2.955 | 11.7 | 20.4 |
| 12 7 | 6 47.76 | +27 46.9 | 2.043 | 2.961 | 8.4 | 20.2 |
| 12 17 | 6 38.53 | +27 59.8 | 2.002 | 2.966 | 4.7 | 20.0 |
| 12 27 | 6 28.12 | +28 6.9 | 1.990 | 2.971 | 1.6 | 19.8 |
| 1 6 | 6 17.67 | +28 6.9 | 2.009 | 2.976 | 4.1 | 20.0 |
| 1 16 | 6 8.30 | +28 0.0 | 2.056 | 2.980 | 7.8 | 20.2 |
| 1 26 | 6 0.95 | +27 47.9 | 2.131 | 2.984 | 11.2 | 20.4 |
| 2 5 | 5 56.18 | +27 32.9 | 2.228 | 2.988 | 14.0 | 20.6 |

**143704** 2003 $UV_{109}$ 12 27.8 137.°46 2.°6/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 0.07 | +29 13.3 | 1.608 | 2.457 | 14.5 | 20.6 |
| 12 7 | 6 51.87 | +29 31.4 | 1.549 | 2.468 | 10.5 | 20.4 |
| 12 17 | 6 40.86 | +29 43.8 | 1.515 | 2.478 | 6.0 | 20.1 |
| 12 27 | 6 28.30 | +29 46.5 | 1.508 | 2.487 | 2.6 | 19.9 |
| 1 6 | 6 15.80 | +29 37.5 | 1.530 | 2.496 | 5.3 | 20.1 |
| 1 16 | 6 4.90 | +29 18.2 | 1.580 | 2.505 | 9.7 | 20.4 |
| 1 26 | 5 56.80 | +28 52.1 | 1.655 | 2.512 | 13.6 | 20.7 |
| 2 5 | 5 52.10 | +28 23.4 | 1.751 | 2.520 | 16.9 | 20.9 |

**314270** 2005 $RQ_{16}$ 12 27.8 115.°61 0.°4/27.8 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.82 | +23 26.2 | 2.219 | 3.060 | 11.4 | 21.3 |
| 12 7 | 6 47.40 | +23 1.3 | 2.159 | 3.076 | 8.0 | 21.1 |
| 12 17 | 6 38.20 | +22 35.4 | 2.126 | 3.091 | 4.3 | 20.9 |
| 12 27 | 6 28.10 | +22 8.0 | 2.123 | 3.106 | 0.5 | 20.6 |
| 1 6 | 6 18.13 | +21 39.6 | 2.151 | 3.121 | 3.6 | 20.9 |
| 1 16 | 6 9.25 | +21 11.4 | 2.209 | 3.135 | 7.3 | 21.1 |
| 1 26 | 6 2.25 | +20 45.0 | 2.295 | 3.148 | 10.5 | 21.4 |
| 2 5 | 5 57.60 | +20 21.5 | 2.403 | 3.162 | 13.1 | 21.6 |

**154428** 2003 $BE_{48}$ 12 27.8 20.°31 4.°5/28.5 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.64 | +13 46.6 | 1.024 | 1.898 | 18.9 | 19.3 |
| 12 7 | 6 45.83 | +13 43.0 | 0.979 | 1.907 | 13.9 | 19.0 |
| 12 17 | 6 37.84 | +13 55.3 | 0.953 | 1.916 | 8.5 | 18.8 |
| 12 27 | 6 28.08 | +14 23.2 | 0.950 | 1.928 | 4.6 | 18.6 |
| 1 6 | 6 18.35 | +15 3.5 | 0.971 | 1.941 | 7.0 | 18.8 |
| 1 16 | 6 10.39 | +15 52.2 | 1.016 | 1.955 | 12.0 | 19.1 |
| 1 26 | 6 5.54 | +16 44.8 | 1.082 | 1.970 | 16.7 | 19.4 |
| 2 5 | 6 4.39 | +17 37.5 | 1.165 | 1.986 | 20.7 | 19.7 |

**248254** 2005 $GV_{37}$ 12 27.8 189.°43 4.°8/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.75 | +38 3.1 | 2.434 | 3.257 | 11.1 | 20.8 |
| 12 7 | 6 49.84 | +38 43.1 | 2.361 | 3.256 | 8.5 | 20.6 |
| 12 17 | 6 39.69 | +39 13.5 | 2.314 | 3.254 | 6.1 | 20.5 |
| 12 27 | 6 28.23 | +39 29.6 | 2.296 | 3.252 | 4.8 | 20.4 |
| 1 6 | 6 16.63 | +39 29.3 | 2.308 | 3.249 | 6.0 | 20.4 |
| 1 16 | 6 6.09 | +39 13.0 | 2.350 | 3.246 | 8.4 | 20.6 |
| 1 26 | 5 57.63 | +38 43.9 | 2.417 | 3.242 | 11.0 | 20.8 |
| 2 5 | 5 51.87 | +38 6.6 | 2.508 | 3.237 | 13.4 | 20.9 |

**234807** 2002 $QK_{94}$ 12 27.8 21.°76 5.°4/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.29 | +39 26.3 | 2.214 | 3.043 | 11.9 | 20.0 |
| 12 7 | 6 48.20 | +39 53.3 | 2.147 | 3.043 | 9.2 | 19.8 |
| 12 17 | 6 38.82 | +40 8.6 | 2.105 | 3.044 | 6.6 | 19.6 |
| 12 27 | 6 28.16 | +40 8.0 | 2.091 | 3.045 | 5.4 | 19.6 |
| 1 6 | 6 17.48 | +39 49.8 | 2.105 | 3.046 | 6.4 | 19.6 |
| 1 16 | 6 8.01 | +39 15.4 | 2.147 | 3.047 | 8.9 | 19.8 |
| 1 26 | 6 0.78 | +38 28.9 | 2.215 | 3.049 | 11.6 | 20.0 |
| 2 5 | 5 56.35 | +37 35.3 | 2.306 | 3.050 | 14.0 | 20.1 |

**419959** 2011 $BO_{100}$ 12 27.8 282.°70 1.°7/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.68 | +28 51.8 | 2.194 | 3.040 | 11.3 | 20.8 |
| 12 7 | 6 46.20 | +28 49.1 | 2.117 | 3.034 | 8.1 | 20.6 |
| 12 17 | 6 37.72 | +28 41.7 | 2.065 | 3.028 | 4.6 | 20.4 |
| 12 27 | 6 28.08 | +28 27.9 | 2.042 | 3.023 | 1.7 | 20.2 |
| 1 6 | 6 18.37 | +28 7.0 | 2.049 | 3.017 | 4.0 | 20.3 |
| 1 16 | 6 9.63 | +27 40.0 | 2.086 | 3.011 | 7.6 | 20.5 |
| 1 26 | 6 2.80 | +27 9.1 | 2.149 | 3.005 | 11.0 | 20.7 |
| 2 5 | 5 58.43 | +26 36.9 | 2.235 | 2.999 | 13.8 | 20.9 |

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **75230** | 1999 $WX_4$ | | 12 27.8 | 35.°84 | 1.°7/28.1 | 18 |
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.60 | +18 22.0 | 1.380 | 2.242 | 15.7 | 18.4 |
| 12 7 | 6 46.69 | +18 34.1 | 1.329 | 2.254 | 11.2 | 18.2 |
| 12 17 | 6 38.13 | +18 53.6 | 1.300 | 2.266 | 6.2 | 17.9 |
| 12 27 | 6 28.11 | +19 18.2 | 1.298 | 2.279 | 1.8 | 17.7 |
| 1 6 | 6 18.12 | +19 45.5 | 1.322 | 2.293 | 5.1 | 17.9 |
| 1 16 | 6 9.60 | +20 13.5 | 1.373 | 2.307 | 9.9 | 18.2 |
| 1 26 | 6 3.69 | +20 41.0 | 1.447 | 2.322 | 14.1 | 18.5 |
| 2 5 | 6 0.97 | +21 7.3 | 1.542 | 2.338 | 17.6 | 18.8 |
| **98224** | 2000 $ST_{144}$ | | 12 27.8 | 167.°34 | 2.°2/27.7 | 18 |
| 11 27 | 6 59.23 | +28 1.8 | 1.527 | 2.380 | 15.0 | 20.1 |
| 12 7 | 6 51.49 | +28 20.0 | 1.462 | 2.383 | 10.8 | 19.9 |
| 12 17 | 6 40.78 | +28 34.0 | 1.421 | 2.385 | 6.0 | 19.6 |
| 12 27 | 6 28.33 | +28 39.7 | 1.407 | 2.388 | 2.2 | 19.4 |
| 1 6 | 6 15.80 | +28 34.6 | 1.421 | 2.389 | 5.4 | 19.6 |
| 1 16 | 6 4.82 | +28 19.8 | 1.463 | 2.391 | 10.1 | 19.9 |
| 1 26 | 5 56.71 | +27 58.4 | 1.530 | 2.391 | 14.3 | 20.1 |
| 2 5 | 5 52.12 | +27 34.3 | 1.617 | 2.392 | 17.8 | 20.4 |
| **196089** | 2002 $TB_{102}$ | | 12 27.8 | 148.°51 | 1.°4/28.0 | 18 |
| 11 27 | 6 49.88 | +18 41.2 | 2.582 | 3.421 | 10.0 | 20.7 |
| 12 7 | 6 43.86 | +18 34.5 | 2.511 | 3.425 | 7.2 | 20.5 |
| 12 17 | 6 36.34 | +18 30.8 | 2.467 | 3.430 | 4.0 | 20.3 |
| 12 27 | 6 27.98 | +18 29.6 | 2.454 | 3.434 | 1.4 | 20.1 |
| 1 6 | 6 19.58 | +18 30.6 | 2.470 | 3.438 | 3.4 | 20.3 |
| 1 16 | 6 11.94 | +18 33.4 | 2.517 | 3.442 | 6.5 | 20.5 |
| 1 26 | 6 5.74 | +18 37.9 | 2.592 | 3.446 | 9.4 | 20.7 |
| 2 5 | 6 1.45 | +18 43.9 | 2.690 | 3.450 | 11.9 | 20.9 |
| **274720** | 2008 $UJ_{145}$ | | 12 27.8 | 22.°80 | 2.°7/28.1 | 17 |
| 11 27 | 6 49.33 | +16 2.8 | 2.023 | 2.869 | 12.1 | 20.4 |
| 12 7 | 6 43.77 | +15 45.0 | 1.958 | 2.873 | 8.8 | 20.2 |
| 12 17 | 6 36.38 | +15 33.2 | 1.918 | 2.878 | 5.3 | 20.0 |
| 12 27 | 6 27.98 | +15 27.5 | 1.906 | 2.883 | 2.7 | 19.9 |
| 1 6 | 6 19.55 | +15 27.8 | 1.923 | 2.889 | 4.5 | 20.0 |
| 1 16 | 6 12.05 | +15 33.6 | 1.969 | 2.895 | 8.0 | 20.2 |
| 1 26 | 6 6.31 | +15 44.2 | 2.040 | 2.901 | 11.3 | 20.5 |
| 2 5 | 6 2.86 | +15 58.5 | 2.134 | 2.907 | 14.1 | 20.7 |
| **124004** | 2001 $FG_{81}$ | | 12 27.8 | 152.°82 | 2.°7/27.9 | 17 |
| 11 27 | 6 50.58 | +15 53.2 | 2.237 | 3.076 | 11.4 | 19.3 |
| 12 7 | 6 44.52 | +15 24.9 | 2.166 | 3.077 | 8.3 | 19.1 |
| 12 17 | 6 36.75 | +15 1.4 | 2.120 | 3.078 | 5.0 | 18.9 |
| 12 27 | 6 28.02 | +14 43.5 | 2.103 | 3.079 | 2.8 | 18.7 |
| 1 6 | 6 19.24 | +14 31.5 | 2.117 | 3.080 | 4.4 | 18.9 |
| 1 16 | 6 11.31 | +14 25.5 | 2.159 | 3.081 | 7.6 | 19.1 |
| 1 26 | 6 5.03 | +14 25.2 | 2.228 | 3.082 | 10.8 | 19.3 |
| 2 5 | 6 0.90 | +14 29.8 | 2.320 | 3.082 | 13.4 | 19.4 |
| **370266** | 2002 $QX_{37}$ | | 12 27.8 | 169.°75 | 2.°2/27.5 | 18 |
| 11 27 | 6 52.06 | +30 23.3 | 2.637 | 3.476 | 9.8 | 21.7 |
| 12 7 | 6 45.53 | +30 45.0 | 2.565 | 3.478 | 7.1 | 21.5 |
| 12 17 | 6 37.28 | +31 2.6 | 2.520 | 3.480 | 4.2 | 21.3 |
| 12 27 | 6 28.06 | +31 13.5 | 2.505 | 3.482 | 2.2 | 21.2 |
| 1 6 | 6 18.77 | +31 16.3 | 2.521 | 3.484 | 3.9 | 21.3 |
| 1 16 | 6 10.31 | +31 11.2 | 2.567 | 3.485 | 6.8 | 21.5 |
| 1 26 | 6 3.46 | +30 59.5 | 2.640 | 3.486 | 9.5 | 21.6 |
| 2 5 | 5 58.73 | +30 43.4 | 2.737 | 3.486 | 11.9 | 21.8 |
| **434659** | 2005 $YB_{108}$ | | 12 27.8 | 80.°59 | 1.°0/27.9 | 16 |
| 11 27 | 6 57.22 | +19 49.7 | 1.537 | 2.389 | 14.9 | 21.2 |
| 12 7 | 6 49.60 | +20 4.0 | 1.494 | 2.415 | 10.6 | 21.0 |
| 12 17 | 6 39.53 | +20 22.6 | 1.475 | 2.441 | 5.7 | 20.7 |
| 12 27 | 6 28.24 | +20 43.1 | 1.484 | 2.466 | 1.1 | 20.5 |
| 1 6 | 6 17.16 | +21 3.2 | 1.521 | 2.492 | 4.6 | 20.8 |
| 1 16 | 6 7.63 | +21 21.9 | 1.586 | 2.517 | 9.2 | 21.1 |
| 1 26 | 6 0.68 | +21 39.0 | 1.677 | 2.541 | 13.1 | 21.4 |
| 2 5 | 5 56.81 | +21 54.8 | 1.788 | 2.565 | 16.3 | 21.7 |
| **84223** | 2002 $RL_{223}$ | | 12 27.8 | 356.°69 | 7.°3/29.3 | 18 |
| 11 27 | 6 50.23 | + 4 40.2 | 1.573 | 2.400 | 15.9 | 19.2 |
| 12 7 | 6 44.85 | + 4 30.0 | 1.506 | 2.398 | 12.6 | 19.0 |
| 12 17 | 6 37.15 | + 4 40.1 | 1.461 | 2.397 | 9.4 | 18.8 |
| 12 27 | 6 28.07 | + 5 12.1 | 1.442 | 2.396 | 7.3 | 18.7 |
| 1 6 | 6 18.80 | + 6 4.8 | 1.449 | 2.396 | 8.2 | 18.8 |
| 1 16 | 6 10.60 | + 7 14.4 | 1.482 | 2.396 | 11.1 | 18.9 |
| 1 26 | 6 4.55 | + 8 35.3 | 1.539 | 2.396 | 14.5 | 19.1 |
| 2 5 | 6 1.29 | +10 1.6 | 1.616 | 2.397 | 17.6 | 19.4 |
| **255046** | 2005 $TY_{126}$ | | 12 27.8 | 86.°18 | 0.°9/27.8 | 17 |
| 11 27 | 6 52.89 | +25 17.9 | 1.968 | 2.819 | 12.2 | 21.1 |
| 12 7 | 6 46.46 | +25 32.9 | 1.902 | 2.823 | 8.7 | 20.8 |
| 12 17 | 6 37.90 | +25 47.0 | 1.861 | 2.827 | 4.7 | 20.6 |
| 12 27 | 6 28.12 | +25 57.8 | 1.849 | 2.831 | 1.0 | 20.3 |
| 1 6 | 6 18.29 | +26 3.5 | 1.866 | 2.836 | 4.1 | 20.6 |
| 1 16 | 6 9.53 | +26 4.1 | 1.912 | 2.840 | 8.0 | 20.8 |
| 1 26 | 6 2.80 | +26 0.7 | 1.984 | 2.844 | 11.6 | 21.1 |
| 2 5 | 5 58.69 | +25 54.9 | 2.078 | 2.848 | 14.5 | 21.3 |

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| **29275** | 1993 $FM_{33}$ | | 12 27.8 | 190.°01 | 0.°3/27.9 | 18 |
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.90 | +21 32.1 | 1.828 | 2.675 | 13.2 | 19.9 |
| 12 7 | 6 48.75 | +21 46.5 | 1.755 | 2.674 | 9.4 | 19.7 |
| 12 17 | 6 39.20 | +22 3.6 | 1.707 | 2.673 | 5.1 | 19.4 |
| 12 27 | 6 28.23 | +22 20.9 | 1.688 | 2.671 | 0.5 | 19.1 |
| 1 6 | 6 17.09 | +22 36.5 | 1.698 | 2.669 | 4.3 | 19.4 |
| 1 16 | 6 7.06 | +22 49.4 | 1.738 | 2.666 | 8.7 | 19.6 |
| 1 26 | 5 59.23 | +23 0.1 | 1.803 | 2.662 | 12.6 | 19.9 |
| 2 5 | 5 54.26 | +23 9.3 | 1.890 | 2.658 | 15.9 | 20.1 |
| **207272** | 2005 $EB_{308}$ | | 12 27.8 | 92.°10 | 1.°8/28.1 | 17 |
| 11 27 | 6 49.85 | +17 13.1 | 2.404 | 3.243 | 10.7 | 21.4 |
| 12 7 | 6 43.89 | +17 12.2 | 2.342 | 3.255 | 7.7 | 21.3 |
| 12 17 | 6 36.37 | +17 15.8 | 2.306 | 3.267 | 4.4 | 21.1 |
| 12 27 | 6 28.00 | +17 23.4 | 2.300 | 3.279 | 1.8 | 20.9 |
| 1 6 | 6 19.64 | +17 34.2 | 2.324 | 3.291 | 3.7 | 21.1 |
| 1 16 | 6 12.10 | +17 47.4 | 2.377 | 3.303 | 6.8 | 21.3 |
| 1 26 | 6 6.10 | +18 2.5 | 2.458 | 3.314 | 9.8 | 21.5 |
| 2 5 | 6 2.10 | +18 18.8 | 2.563 | 3.326 | 12.3 | 21.7 |
| **141552** | 2002 $GC_{56}$ | | 12 27.8 | 191.°80 | 3.°6/28.2 | 18 |
| 11 27 | 6 56.01 | +13 37.8 | 1.867 | 2.700 | 13.5 | 21.5 |
| 12 7 | 6 48.69 | +13 23.2 | 1.791 | 2.699 | 10.0 | 21.3 |
| 12 17 | 6 39.13 | +13 17.1 | 1.741 | 2.696 | 6.3 | 21.0 |
| 12 27 | 6 28.23 | +13 19.7 | 1.720 | 2.693 | 3.7 | 20.9 |
| 1 6 | 6 17.17 | +13 30.5 | 1.728 | 2.690 | 5.4 | 21.0 |
| 1 16 | 6 7.14 | +13 48.6 | 1.765 | 2.685 | 9.2 | 21.2 |
| 1 26 | 5 59.18 | +14 12.6 | 1.828 | 2.679 | 12.8 | 21.4 |
| 2 5 | 5 53.92 | +14 40.7 | 1.913 | 2.673 | 16.0 | 21.6 |
| **521713** | 2015 $RU_{266}$ | | 12 27.8 | 120.°14 | 0.°0/27.8 | 18 |
| 11 27 | 6 53.62 | +23 8.7 | 1.987 | 2.835 | 12.2 | 21.8 |
| 12 7 | 6 46.88 | +23 10.8 | 1.923 | 2.843 | 8.6 | 21.6 |
| 12 17 | 6 38.08 | +23 13.3 | 1.884 | 2.850 | 4.6 | 21.4 |
| 12 27 | 6 28.15 | +23 14.4 | 1.875 | 2.858 | 0.4 | 21.0 |
| 1 6 | 6 18.20 | +23 13.3 | 1.895 | 2.865 | 3.9 | 21.3 |
| 1 16 | 6 9.35 | +23 10.0 | 1.944 | 2.872 | 7.9 | 21.6 |
| 1 26 | 6 2.50 | +23 5.4 | 2.019 | 2.879 | 11.4 | 21.8 |
| 2 5 | 5 58.22 | +23 0.5 | 2.117 | 2.885 | 14.4 | 22.0 |
| **195968** | 2002 $RU_{176}$ | | 12 27.8 | 106.°35 | 4.°7/28.5 | 17 |
| 11 27 | 6 48.99 | + 8 18.2 | 2.414 | 3.233 | 11.3 | 21.0 |
| 12 7 | 6 43.26 | + 7 55.0 | 2.349 | 3.241 | 8.7 | 20.8 |
| 12 17 | 6 36.03 | + 7 42.1 | 2.310 | 3.249 | 6.2 | 20.7 |
| 12 27 | 6 27.99 | + 7 40.6 | 2.300 | 3.257 | 4.7 | 20.6 |
| 1 6 | 6 19.92 | + 7 50.3 | 2.319 | 3.265 | 5.5 | 20.6 |
| 1 16 | 6 12.61 | + 8 10.3 | 2.366 | 3.273 | 7.8 | 20.8 |
| 1 26 | 6 6.76 | + 8 38.7 | 2.440 | 3.281 | 10.4 | 21.0 |
| 2 5 | 6 2.82 | + 9 13.1 | 2.537 | 3.289 | 12.7 | 21.2 |
| **15616** | 2000 $HG_{10}$ | | 12 27.8 | 221.°42 | 0.°9/27.9 | 18 |
| 11 27 | 6 49.58 | +19 53.5 | 2.743 | 3.581 | 9.5 | 18.9 |
| 12 7 | 6 43.69 | +19 56.6 | 2.659 | 3.574 | 6.8 | 18.7 |
| 12 17 | 6 36.29 | +20 2.2 | 2.603 | 3.567 | 3.7 | 18.5 |
| 12 27 | 6 28.01 | +20 9.3 | 2.578 | 3.560 | 0.9 | 18.3 |
| 1 6 | 6 19.61 | +20 17.1 | 2.583 | 3.552 | 3.1 | 18.4 |
| 1 16 | 6 11.85 | +20 25.3 | 2.618 | 3.544 | 6.3 | 18.6 |
| 1 26 | 6 5.43 | +20 33.7 | 2.682 | 3.536 | 9.1 | 18.8 |
| 2 5 | 6 0.86 | +20 42.2 | 2.770 | 3.527 | 11.6 | 19.0 |
| **462221** | 2007 $WA_{33}$ | | 12 27.8 | 355.°47 | 2.°6/27.5 | 16 |
| 11 27 | 6 50.79 | +30 48.5 | 2.343 | 3.188 | 10.7 | 21.2 |
| 12 7 | 6 44.85 | +31 15.2 | 2.272 | 3.187 | 7.8 | 21.1 |
| 12 17 | 6 37.01 | +31 37.6 | 2.226 | 3.186 | 4.7 | 20.9 |
| 12 27 | 6 28.07 | +31 52.5 | 2.210 | 3.186 | 2.6 | 20.7 |
| 1 6 | 6 19.02 | +31 58.3 | 2.223 | 3.185 | 4.4 | 20.8 |
| 1 16 | 6 10.87 | +31 55.0 | 2.265 | 3.185 | 7.5 | 21.0 |
| 1 26 | 6 4.49 | +31 44.0 | 2.334 | 3.185 | 10.4 | 21.2 |
| 2 5 | 6 0.43 | +31 27.8 | 2.426 | 3.185 | 13.0 | 21.4 |
| **493263** | 2014 $UG_{125}$ | | 12 27.8 | 82.°41 | 2.°9/27.7 | 17 |
| 11 27 | 6 53.59 | +31 46.2 | 2.170 | 3.014 | 11.5 | 20.8 |
| 12 7 | 6 46.84 | +32 1.5 | 2.107 | 3.021 | 8.4 | 20.6 |
| 12 17 | 6 38.05 | +32 10.5 | 2.070 | 3.029 | 5.0 | 20.4 |
| 12 27 | 6 28.15 | +32 10.3 | 2.062 | 3.037 | 2.9 | 20.3 |
| 1 6 | 6 18.27 | +31 59.8 | 2.083 | 3.045 | 4.6 | 20.4 |
| 1 16 | 6 9.49 | +31 39.9 | 2.133 | 3.053 | 7.8 | 20.6 |
| 1 26 | 6 2.73 | +31 13.0 | 2.210 | 3.061 | 10.9 | 20.8 |
| 2 5 | 5 58.51 | +30 42.3 | 2.309 | 3.068 | 13.6 | 21.0 |
| **53809** | 2000 $EH_{134}$ | | 12 27.8 | 184.°89 | 0.°9/27.7 | 18 |
| 11 27 | 6 56.41 | +23 55.9 | 1.799 | 2.647 | 13.3 | 20.1 |
| 12 7 | 6 49.22 | +24 32.5 | 1.728 | 2.648 | 9.4 | 19.8 |
| 12 17 | 6 39.51 | +25 10.6 | 1.682 | 2.648 | 5.1 | 19.6 |
| 12 27 | 6 28.28 | +25 46.3 | 1.664 | 2.647 | 1.0 | 19.3 |
| 1 6 | 6 16.83 | +26 16.2 | 1.676 | 2.646 | 4.5 | 19.5 |
| 1 16 | 6 6.52 | +26 39.0 | 1.717 | 2.644 | 8.9 | 19.8 |
| 1 26 | 5 58.50 | +26 55.1 | 1.784 | 2.642 | 12.8 | 20.0 |
| 2 5 | 5 53.47 | +27 6.3 | 1.873 | 2.639 | 16.0 | 20.2 |

**312746** 2010 $TR_{52}$ 12 27.9 258.°74 2.°3/28.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.64 | +16 57.8 | 1.926 | 2.772 | 12.6 | 21.1 |
| 12 7 | 6 45.56 | +16 50.2 | 1.855 | 2.771 | 9.2 | 20.9 |
| 12 17 | 6 37.44 | +16 48.4 | 1.808 | 2.770 | 5.3 | 20.6 |
| 12 27 | 6 28.11 | +16 51.9 | 1.790 | 2.769 | 2.3 | 20.4 |
| 1 6 | 6 18.68 | +17 0.1 | 1.800 | 2.768 | 4.5 | 20.6 |
| 1 16 | 6 10.21 | +17 12.3 | 1.839 | 2.767 | 8.3 | 20.8 |
| 1 26 | 6 3.66 | +17 27.6 | 1.905 | 2.766 | 11.9 | 21.0 |
| 2 5 | 5 59.62 | +17 45.2 | 1.992 | 2.765 | 15.0 | 21.2 |

**381024** 2006 $UE_{228}$ 12 27.9 60.°33 5.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 59.89 | +33 33.9 | 1.254 | 2.114 | 17.1 | 20.6 |
| 12 7 | 6 52.35 | +34 8.7 | 1.208 | 2.128 | 12.6 | 20.4 |
| 12 17 | 6 41.32 | +34 32.2 | 1.183 | 2.142 | 8.0 | 20.2 |
| 12 27 | 6 28.41 | +34 37.6 | 1.183 | 2.156 | 5.2 | 20.1 |
| 1 6 | 6 15.70 | +34 22.7 | 1.210 | 2.171 | 7.4 | 20.2 |
| 1 16 | 6 5.13 | +33 50.1 | 1.261 | 2.185 | 11.7 | 20.5 |
| 1 26 | 5 58.07 | +33 6.4 | 1.336 | 2.200 | 15.8 | 20.8 |
| 2 5 | 5 55.07 | +32 18.1 | 1.429 | 2.215 | 19.2 | 21.1 |

**211613** Christophelovis 12 27.9 341.°40 1.°0/27.9 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.10 | +26 17.0 | 1.109 | 1.992 | 17.0 | 18.8 |
| 12 7 | 6 45.18 | +26 3.4 | 1.034 | 1.970 | 12.3 | 18.5 |
| 12 17 | 6 37.80 | +25 45.8 | 0.980 | 1.951 | 6.8 | 18.1 |
| 12 27 | 6 28.16 | +25 21.8 | 0.950 | 1.933 | 1.2 | 17.7 |
| 1 6 | 6 18.11 | +24 51.0 | 0.943 | 1.917 | 5.9 | 18.0 |
| 1 16 | 6 9.58 | +24 15.3 | 0.960 | 1.902 | 12.0 | 18.2 |
| 1 26 | 6 4.26 | +23 38.7 | 0.997 | 1.890 | 17.4 | 18.5 |
| 2 5 | 6 2.99 | +23 4.2 | 1.052 | 1.880 | 21.9 | 18.7 |

**157577** 2005 $UD_{233}$ 12 27.9 310.°32 0.°5/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.25 | +20 51.2 | 1.374 | 2.239 | 15.6 | 20.0 |
| 12 7 | 6 47.62 | +21 10.7 | 1.297 | 2.224 | 11.2 | 19.7 |
| 12 17 | 6 38.94 | +21 36.0 | 1.242 | 2.210 | 6.2 | 19.4 |
| 12 27 | 6 28.26 | +22 4.1 | 1.212 | 2.195 | 0.7 | 19.0 |
| 1 6 | 6 17.13 | +22 32.1 | 1.210 | 2.182 | 5.2 | 19.2 |
| 1 16 | 6 7.22 | +22 57.6 | 1.233 | 2.168 | 10.7 | 19.5 |
| 1 26 | 6 0.02 | +23 20.2 | 1.280 | 2.155 | 15.6 | 19.8 |
| 2 5 | 5 56.40 | +23 40.3 | 1.345 | 2.143 | 19.6 | 20.0 |

**350482** 1999 $TS_{29}$ 12 27.9 38.°82 2.°6/27.7 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.90 | +28 18.2 | 1.223 | 2.093 | 16.8 | 20.3 |
| 12 7 | 6 49.25 | +28 39.8 | 1.186 | 2.114 | 11.9 | 20.1 |
| 12 17 | 6 39.55 | +28 56.2 | 1.170 | 2.137 | 6.7 | 19.9 |
| 12 27 | 6 28.30 | +29 3.1 | 1.180 | 2.161 | 2.6 | 19.7 |
| 1 6 | 6 17.36 | +28 58.5 | 1.216 | 2.185 | 5.8 | 20.0 |
| 1 16 | 6 8.41 | +28 44.1 | 1.277 | 2.210 | 10.6 | 20.3 |
| 1 26 | 6 2.62 | +28 23.4 | 1.361 | 2.235 | 14.9 | 20.6 |
| 2 5 | 6 0.47 | +28 0.2 | 1.464 | 2.261 | 18.3 | 20.9 |

**227955** 2007 $GQ_{67}$ 12 27.9 212.°45 4.°4/27.1 18 R

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.37 | +35 15.3 | 2.304 | 3.140 | 11.2 | 20.1 |
| 12 7 | 6 47.57 | +36 4.4 | 2.232 | 3.137 | 8.4 | 19.9 |
| 12 17 | 6 38.57 | +36 46.4 | 2.186 | 3.135 | 5.7 | 19.7 |
| 12 27 | 6 28.25 | +37 16.6 | 2.169 | 3.132 | 4.4 | 19.6 |
| 1 6 | 6 17.73 | +37 32.2 | 2.181 | 3.129 | 5.7 | 19.7 |
| 1 16 | 6 8.18 | +37 33.1 | 2.222 | 3.127 | 8.4 | 19.9 |
| 1 26 | 6 0.62 | +37 21.5 | 2.289 | 3.123 | 11.2 | 20.1 |
| 2 5 | 5 55.68 | +37 1.1 | 2.378 | 3.120 | 13.7 | 20.2 |

**261912** 2006 $KS_2$ 12 27.9 176.°11 0.°7/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.13 | +21 29.6 | 1.598 | 2.448 | 14.6 | 21.7 |
| 12 7 | 6 50.54 | +21 29.8 | 1.530 | 2.450 | 10.4 | 21.4 |
| 12 17 | 6 40.25 | +21 32.2 | 1.486 | 2.452 | 5.7 | 21.2 |
| 12 27 | 6 28.39 | +21 34.9 | 1.470 | 2.453 | 0.8 | 20.8 |
| 1 6 | 6 16.41 | +21 36.3 | 1.483 | 2.453 | 4.7 | 21.1 |
| 1 16 | 6 5.79 | +21 36.5 | 1.524 | 2.453 | 9.6 | 21.4 |
| 1 26 | 5 57.73 | +21 36.3 | 1.590 | 2.452 | 13.8 | 21.6 |
| 2 5 | 5 52.89 | +21 36.8 | 1.677 | 2.451 | 17.3 | 21.9 |

**6568** Serendip 12 27.9 29.°33 3.°7/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.68 | +32 23.3 | 1.299 | 2.163 | 16.4 | 17.2 |
| 12 7 | 6 49.88 | +32 18.7 | 1.249 | 2.172 | 11.9 | 17.0 |
| 12 17 | 6 39.93 | +32 3.1 | 1.220 | 2.183 | 7.1 | 16.8 |
| 12 27 | 6 28.35 | +31 33.2 | 1.217 | 2.195 | 3.7 | 16.6 |
| 1 6 | 6 16.99 | +30 49.0 | 1.240 | 2.207 | 6.2 | 16.8 |
| 1 16 | 6 7.59 | +29 54.4 | 1.289 | 2.220 | 10.8 | 17.1 |
| 1 26 | 6 1.39 | +28 55.3 | 1.361 | 2.234 | 15.0 | 17.3 |
| 2 5 | 5 58.88 | +27 57.1 | 1.453 | 2.248 | 18.6 | 17.6 |

**191529** 2003 $UX_{196}$ 12 27.9 90.°95 0.°6/27.8 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.51 | +24 22.3 | 2.245 | 3.092 | 11.0 | 20.6 |
| 12 7 | 6 45.27 | +24 38.0 | 2.180 | 3.100 | 7.8 | 20.4 |
| 12 17 | 6 37.21 | +24 53.5 | 2.142 | 3.108 | 4.2 | 20.2 |
| 12 27 | 6 28.14 | +25 6.9 | 2.133 | 3.116 | 0.7 | 19.9 |
| 1 6 | 6 19.04 | +25 16.6 | 2.155 | 3.124 | 3.6 | 20.2 |
| 1 16 | 6 10.86 | +25 22.3 | 2.205 | 3.133 | 7.2 | 20.4 |
| 1 26 | 6 4.44 | +25 24.6 | 2.283 | 3.141 | 10.4 | 20.6 |
| 2 5 | 6 0.30 | +25 24.7 | 2.383 | 3.149 | 13.0 | 20.8 |

**333158** 2012 $BK_{92}$ 12 27.9 177.°50 0.°3/27.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.14 | +24 4.6 | 2.117 | 2.964 | 11.6 | 21.2 |
| 12 7 | 6 46.54 | +24 7.3 | 2.046 | 2.965 | 8.3 | 21.0 |
| 12 17 | 6 37.94 | +24 9.5 | 1.999 | 2.965 | 4.4 | 20.8 |
| 12 27 | 6 28.21 | +24 9.6 | 1.983 | 2.966 | 0.5 | 20.4 |
| 1 6 | 6 18.39 | +24 6.6 | 1.996 | 2.966 | 3.8 | 20.7 |
| 1 16 | 6 9.56 | +24 0.7 | 2.038 | 2.966 | 7.6 | 21.0 |
| 1 26 | 6 2.62 | +23 52.8 | 2.107 | 2.966 | 11.1 | 21.2 |
| 2 5 | 5 58.13 | +23 44.3 | 2.199 | 2.965 | 14.0 | 21.4 |

**78104** 2002 $LS_{46}$ 12 27.9 127.°51 2.°8/28.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.08 | +12 48.1 | 2.236 | 3.062 | 11.8 | 19.7 |
| 12 7 | 6 46.94 | +13 6.5 | 2.176 | 3.080 | 8.7 | 19.5 |
| 12 17 | 6 38.06 | +13 33.8 | 2.143 | 3.097 | 5.3 | 19.3 |
| 12 27 | 6 28.22 | +14 8.6 | 2.139 | 3.114 | 2.9 | 19.2 |
| 1 6 | 6 18.38 | +14 49.0 | 2.166 | 3.129 | 4.4 | 19.3 |
| 1 16 | 6 9.47 | +15 32.8 | 2.224 | 3.145 | 7.5 | 19.6 |
| 1 26 | 6 2.29 | +16 18.2 | 2.309 | 3.159 | 10.6 | 19.8 |
| 2 5 | 5 57.32 | +17 3.3 | 2.418 | 3.173 | 13.2 | 20.0 |

**227994** 2007 $JB_{19}$ 12 27.9 216.°86 4.°1/28.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.80 | +10 57.4 | 2.326 | 3.154 | 11.4 | 20.8 |
| 12 7 | 6 43.98 | +10 28.7 | 2.251 | 3.151 | 8.6 | 20.6 |
| 12 17 | 6 36.51 | +10 8.2 | 2.201 | 3.148 | 5.8 | 20.5 |
| 12 27 | 6 28.10 | + 9 57.3 | 2.180 | 3.145 | 4.2 | 20.4 |
| 1 6 | 6 19.60 | + 9 56.3 | 2.189 | 3.142 | 5.3 | 20.4 |
| 1 16 | 6 11.85 | +10 4.7 | 2.226 | 3.139 | 8.0 | 20.6 |
| 1 26 | 6 5.62 | +10 21.2 | 2.290 | 3.135 | 10.8 | 20.8 |
| 2 5 | 6 1.42 | +10 44.1 | 2.376 | 3.132 | 13.3 | 20.9 |

**517409** 2014 $LT_{24}$ 12 27.9 216.°26 6.°4/28.4 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.95 | + 5 31.5 | 2.100 | 2.911 | 13.1 | 22.1 |
| 12 7 | 6 45.66 | + 4 53.3 | 2.022 | 2.904 | 10.4 | 21.9 |
| 12 17 | 6 37.48 | + 4 28.1 | 1.968 | 2.897 | 7.8 | 21.7 |
| 12 27 | 6 28.19 | + 4 18.6 | 1.943 | 2.890 | 6.4 | 21.6 |
| 1 6 | 6 18.72 | + 4 25.3 | 1.945 | 2.882 | 7.2 | 21.7 |
| 1 16 | 6 10.06 | + 4 47.4 | 1.976 | 2.874 | 9.7 | 21.8 |
| 1 26 | 6 3.10 | + 5 22.5 | 2.032 | 2.865 | 12.5 | 22.0 |
| 2 5 | 5 58.40 | + 6 6.9 | 2.110 | 2.856 | 15.1 | 22.1 |

**24252** 1999 $XW_{117}$ 12 27.9 248.°52 3.°5/27.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.82 | +30 46.9 | 1.715 | 2.562 | 13.9 | 18.3 |
| 12 7 | 6 51.39 | +31 23.6 | 1.630 | 2.546 | 10.2 | 18.0 |
| 12 17 | 6 40.93 | +31 55.5 | 1.569 | 2.529 | 6.2 | 17.8 |
| 12 27 | 6 28.49 | +32 16.9 | 1.536 | 2.512 | 3.5 | 17.6 |
| 1 6 | 6 15.59 | +32 24.0 | 1.531 | 2.494 | 5.9 | 17.7 |
| 1 16 | 6 3.87 | +32 16.5 | 1.555 | 2.475 | 10.2 | 17.9 |
| 1 26 | 5 54.77 | +31 57.5 | 1.603 | 2.456 | 14.3 | 18.1 |
| 2 5 | 5 49.15 | +31 31.6 | 1.672 | 2.436 | 17.8 | 18.3 |

**446051** 2013 $CU_{118}$ 12 27.9 346.°63 3.°4/28.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 49.80 | +15 12.0 | 1.299 | 2.164 | 16.3 | 20.5 |
| 12 7 | 6 45.08 | +15 11.0 | 1.230 | 2.155 | 12.0 | 20.2 |
| 12 17 | 6 37.53 | +15 21.7 | 1.184 | 2.147 | 7.2 | 20.0 |
| 12 27 | 6 28.21 | +15 43.8 | 1.161 | 2.140 | 3.5 | 19.7 |
| 1 6 | 6 18.60 | +16 15.5 | 1.165 | 2.134 | 6.0 | 19.8 |
| 1 16 | 6 10.26 | +16 54.0 | 1.193 | 2.129 | 10.9 | 20.1 |
| 1 26 | 6 4.52 | +17 36.6 | 1.245 | 2.126 | 15.5 | 20.4 |
| 2 5 | 6 2.15 | +18 20.5 | 1.315 | 2.123 | 19.4 | 20.6 |

**13443** 2785 $P$–$L$ 12 27.9 101.°14 0.°0/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.38 | +22 39.0 | 1.813 | 2.664 | 13.1 | 19.3 |
| 12 7 | 6 47.60 | +22 54.6 | 1.753 | 2.674 | 9.3 | 19.1 |
| 12 17 | 6 38.57 | +23 11.7 | 1.718 | 2.684 | 5.0 | 18.8 |
| 12 27 | 6 28.29 | +23 27.7 | 1.711 | 2.694 | 0.4 | 18.5 |
| 1 6 | 6 18.00 | +23 41.0 | 1.733 | 2.704 | 4.1 | 18.8 |
| 1 16 | 6 8.89 | +23 50.9 | 1.784 | 2.714 | 8.4 | 19.1 |
| 1 26 | 6 1.98 | +23 57.9 | 1.861 | 2.723 | 12.1 | 19.4 |
| 2 5 | 5 57.83 | +24 3.0 | 1.960 | 2.733 | 15.2 | 19.6 |

**306500** 1999 $UR_{33}$ 12 27.9 116.°31 1.°9/27.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.44 | +28 4.0 | 2.084 | 2.925 | 12.0 | 22.0 |
| 12 7 | 6 49.51 | +28 31.4 | 2.031 | 2.946 | 8.6 | 21.8 |
| 12 17 | 6 39.49 | +28 55.1 | 2.004 | 2.967 | 4.8 | 21.6 |
| 12 27 | 6 28.37 | +29 11.9 | 2.007 | 2.987 | 2.0 | 21.4 |
| 1 6 | 6 17.34 | +29 19.9 | 2.040 | 3.006 | 4.3 | 21.6 |
| 1 16 | 6 7.53 | +29 19.4 | 2.103 | 3.025 | 7.8 | 21.9 |
| 1 26 | 5 59.86 | +29 12.3 | 2.193 | 3.043 | 11.1 | 22.1 |
| 2 5 | 5 54.85 | +29 1.2 | 2.306 | 3.060 | 13.7 | 22.3 |

**369640** 2011 $EZ_{54}$ 12 27.9 22.°02 0.°2/27.9 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.96 | +20 28.8 | 1.942 | 2.793 | 12.3 | 20.3 |
| 12 7 | 6 45.18 | +21 7.5 | 1.875 | 2.797 | 8.7 | 20.1 |
| 12 17 | 6 37.31 | +21 51.0 | 1.834 | 2.801 | 4.7 | 19.9 |
| 12 27 | 6 28.21 | +22 36.0 | 1.821 | 2.805 | 0.5 | 19.5 |
| 1 6 | 6 18.96 | +23 19.8 | 1.838 | 2.809 | 3.9 | 19.8 |
| 1 16 | 6 10.67 | +24 0.0 | 1.884 | 2.814 | 8.0 | 20.1 |
| 1 26 | 6 4.31 | +24 35.6 | 1.955 | 2.819 | 11.6 | 20.3 |
| 2 5 | 6 0.46 | +25 6.7 | 2.049 | 2.824 | 14.5 | 20.5 |

**308223** 2005 $EA_{206}$ 12 27.9 225.°53 1.°3/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.41 | +19 28.9 | 1.624 | 2.473 | 14.4 | 21.1 |
| 12 7 | 6 49.44 | +19 34.8 | 1.546 | 2.466 | 10.4 | 20.9 |
| 12 17 | 6 39.77 | +19 45.7 | 1.492 | 2.457 | 5.8 | 20.6 |
| 12 27 | 6 28.42 | +19 59.7 | 1.466 | 2.449 | 1.4 | 20.3 |
| 1 6 | 6 16.77 | +20 15.0 | 1.469 | 2.440 | 4.8 | 20.5 |
| 1 16 | 6 6.27 | +20 30.5 | 1.500 | 2.430 | 9.7 | 20.7 |
| 1 26 | 5 58.19 | +20 46.0 | 1.556 | 2.420 | 14.0 | 21.0 |
| 2 5 | 5 53.27 | +21 1.6 | 1.633 | 2.409 | 17.6 | 21.2 |

**305059** 2007 $UL_{76}$ 12 27.9 339.°65 0.°0/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.09 | +23 24.0 | 1.551 | 2.411 | 14.3 | 20.6 |
| 12 7 | 6 47.11 | +23 23.6 | 1.481 | 2.406 | 10.2 | 20.3 |
| 12 17 | 6 38.50 | +23 23.7 | 1.434 | 2.402 | 5.5 | 20.0 |
| 12 27 | 6 28.31 | +23 22.4 | 1.415 | 2.398 | 0.5 | 19.6 |
| 1 6 | 6 17.96 | +23 18.6 | 1.423 | 2.394 | 4.7 | 20.0 |
| 1 16 | 6 8.88 | +23 12.3 | 1.458 | 2.391 | 9.5 | 20.2 |
| 1 26 | 6 2.27 | +23 4.8 | 1.517 | 2.388 | 13.8 | 20.5 |
| 2 5 | 5 58.80 | +22 57.5 | 1.597 | 2.386 | 17.4 | 20.7 |

**459441** 2012 $TN_{308}$ 12 27.9 321.°50 15.°4/24.2 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.51 | + 4 17.8 | 0.954 | 1.801 | 22.3 | 20.0 |
| 12 7 | 6 51.78 | + 0 40.4 | 0.899 | 1.793 | 18.8 | 19.8 |
| 12 17 | 6 41.31 | − 2 41.8 | 0.865 | 1.786 | 16.1 | 19.6 |
| 12 27 | 6 28.55 | − 5 29.4 | 0.854 | 1.779 | 15.5 | 19.6 |
| 1 6 | 6 15.55 | − 7 27.8 | 0.864 | 1.773 | 17.4 | 19.6 |
| 1 16 | 6 4.40 | − 8 31.3 | 0.894 | 1.767 | 20.7 | 19.8 |
| 1 26 | 5 56.74 | − 8 44.6 | 0.940 | 1.762 | 24.3 | 20.0 |
| 2 5 | 5 53.38 | − 8 19.1 | 0.999 | 1.758 | 27.5 | 20.2 |

**412385** 2013 $QE_{47}$ 12 27.9 113.°76 3.°8/28.5 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.29 | +10 36.9 | 2.407 | 3.233 | 11.1 | 21.7 |
| 12 7 | 6 43.54 | +10 27.9 | 2.341 | 3.240 | 8.4 | 21.6 |
| 12 17 | 6 36.26 | +10 28.1 | 2.300 | 3.247 | 5.6 | 21.4 |
| 12 27 | 6 28.13 | +10 37.8 | 2.287 | 3.254 | 3.8 | 21.3 |
| 1 6 | 6 19.95 | +10 56.3 | 2.305 | 3.260 | 4.8 | 21.4 |
| 1 16 | 6 12.53 | +11 22.5 | 2.351 | 3.267 | 7.4 | 21.6 |
| 1 26 | 6 6.57 | +11 54.6 | 2.425 | 3.273 | 10.2 | 21.8 |
| 2 5 | 6 2.55 | +12 30.6 | 2.522 | 3.279 | 12.6 | 21.9 |

**378387** 2007 $QR_{16}$ 12 27.9 169.°95 7.°8/30.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.20 | − 7 57.5 | 2.999 | 3.731 | 11.4 | 21.4 |
| 12 7 | 6 42.55 | − 8 17.2 | 2.930 | 3.734 | 9.9 | 21.3 |
| 12 17 | 6 35.66 | − 8 19.6 | 2.884 | 3.737 | 8.6 | 21.3 |
| 12 27 | 6 28.08 | − 8 2.8 | 2.864 | 3.739 | 7.9 | 21.2 |
| 1 6 | 6 20.44 | − 7 26.8 | 2.871 | 3.741 | 8.0 | 21.2 |
| 1 16 | 6 13.38 | − 6 33.2 | 2.906 | 3.743 | 9.0 | 21.3 |
| 1 26 | 6 7.48 | − 5 25.2 | 2.966 | 3.744 | 10.4 | 21.4 |
| 2 5 | 6 3.14 | − 4 7.1 | 3.049 | 3.745 | 11.9 | 21.5 |

**262677** 2006 $WO_{150}$ 12 27.9 46.°74 0.°5/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.14 | +19 28.4 | 1.590 | 2.446 | 14.3 | 20.3 |
| 12 7 | 6 46.91 | +20 11.3 | 1.539 | 2.462 | 10.1 | 20.0 |
| 12 17 | 6 38.28 | +21 0.3 | 1.512 | 2.479 | 5.5 | 19.8 |
| 12 27 | 6 28.30 | +21 51.6 | 1.512 | 2.496 | 0.7 | 19.5 |
| 1 6 | 6 18.32 | +22 41.4 | 1.541 | 2.513 | 4.4 | 19.8 |
| 1 16 | 6 9.63 | +23 26.9 | 1.598 | 2.530 | 8.9 | 20.1 |
| 1 26 | 6 3.30 | +24 6.9 | 1.680 | 2.548 | 12.9 | 20.4 |
| 2 5 | 5 59.90 | +24 41.4 | 1.783 | 2.566 | 16.1 | 20.7 |

**453632** 2010 $SX_{35}$ 12 27.9 152.°57 3.°3/27.8 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.42 | +34 2.8 | 2.288 | 3.120 | 11.4 | 21.6 |
| 12 7 | 6 49.49 | +34 9.8 | 2.221 | 3.128 | 8.4 | 21.4 |
| 12 17 | 6 39.50 | +34 8.3 | 2.181 | 3.135 | 5.3 | 21.2 |
| 12 27 | 6 28.40 | +33 55.4 | 2.170 | 3.141 | 3.3 | 21.1 |
| 1 6 | 6 17.36 | +33 30.3 | 2.189 | 3.147 | 4.8 | 21.2 |
| 1 16 | 6 7.51 | +32 54.6 | 2.239 | 3.153 | 7.8 | 21.4 |
| 1 26 | 5 59.74 | +32 11.8 | 2.315 | 3.158 | 10.8 | 21.6 |
| 2 5 | 5 54.59 | +31 25.7 | 2.415 | 3.163 | 13.3 | 21.8 |

**116343** 2003 $YY_{83}$ 12 27.9 187.°77 2.°1/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.54 | +27 25.2 | 1.716 | 2.564 | 13.8 | 20.3 |
| 12 7 | 6 50.90 | +27 54.7 | 1.645 | 2.564 | 9.9 | 20.1 |
| 12 17 | 6 40.52 | +28 21.6 | 1.599 | 2.564 | 5.6 | 19.8 |
| 12 27 | 6 28.50 | +28 41.7 | 1.582 | 2.562 | 2.1 | 19.6 |
| 1 6 | 6 16.28 | +28 51.9 | 1.593 | 2.560 | 5.0 | 19.8 |
| 1 16 | 6 5.36 | +28 52.2 | 1.633 | 2.558 | 9.4 | 20.0 |
| 1 26 | 5 56.98 | +28 44.7 | 1.698 | 2.554 | 13.4 | 20.3 |
| 2 5 | 5 51.84 | +28 32.6 | 1.784 | 2.551 | 16.7 | 20.5 |

**99289** 2001 $QV_{205}$ 12 27.9 279.°66 0.°7/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.18 | +25 24.7 | 2.375 | 3.220 | 10.6 | 19.3 |
| 12 7 | 6 45.15 | +25 26.4 | 2.285 | 3.204 | 7.5 | 19.1 |
| 12 17 | 6 37.26 | +25 26.8 | 2.222 | 3.187 | 4.1 | 18.8 |
| 12 27 | 6 28.23 | +25 24.3 | 2.188 | 3.170 | 0.7 | 18.5 |
| 1 6 | 6 19.00 | +25 17.9 | 2.184 | 3.154 | 3.6 | 18.7 |
| 1 16 | 6 10.52 | +25 7.7 | 2.210 | 3.137 | 7.2 | 18.9 |
| 1 26 | 6 3.69 | +24 54.9 | 2.263 | 3.120 | 10.5 | 19.1 |
| 2 5 | 5 59.09 | +24 40.9 | 2.339 | 3.103 | 13.3 | 19.3 |

**175717** 1997 $CX_5$ 12 27.9 343.°08 20.°4/ 3.3 15

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 22.67 | +59 36.5 | 0.689 | 1.517 | 30.4 | 19.6 |
| 12 7 | 7 13.21 | +59 46.9 | 0.637 | 1.508 | 27.2 | 19.3 |
| 12 17 | 6 53.89 | +58 53.7 | 0.596 | 1.500 | 23.8 | 19.1 |
| 12 27 | 6 29.52 | +56 27.6 | 0.570 | 1.493 | 21.1 | 18.9 |
| 1 6 | 6 7.26 | +52 21.9 | 0.560 | 1.488 | 20.5 | 18.8 |
| 1 16 | 5 52.23 | +47 2.5 | 0.569 | 1.484 | 22.6 | 18.9 |
| 1 26 | 5 45.93 | +41 15.1 | 0.597 | 1.482 | 26.4 | 19.1 |
| 2 5 | 5 47.21 | +35 40.5 | 0.641 | 1.482 | 30.6 | 19.4 |

**252266** 2001 $QS_{190}$ 12 27.9 179.°21 0.°0/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.80 | +24 16.1 | 2.231 | 3.073 | 11.3 | 20.6 |
| 12 7 | 6 47.59 | +23 55.4 | 2.157 | 3.074 | 8.0 | 20.4 |
| 12 17 | 6 38.49 | +23 33.0 | 2.109 | 3.075 | 4.3 | 20.1 |
| 12 27 | 6 28.33 | +23 7.9 | 2.092 | 3.075 | 0.4 | 19.8 |
| 1 6 | 6 18.16 | +22 40.6 | 2.105 | 3.075 | 3.6 | 20.1 |
| 1 16 | 6 8.98 | +22 12.0 | 2.148 | 3.074 | 7.4 | 20.3 |
| 1 26 | 6 1.66 | +21 44.0 | 2.219 | 3.073 | 10.7 | 20.5 |
| 2 5 | 5 56.73 | +21 18.2 | 2.313 | 3.072 | 13.6 | 20.7 |

**271262** 2003 $UR_{142}$ 12 27.9 59.°39 2.°3/27.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.03 | +17 45.2 | 2.139 | 2.982 | 11.6 | 19.9 |
| 12 7 | 6 44.92 | +17 14.3 | 2.073 | 2.988 | 8.4 | 19.7 |
| 12 17 | 6 37.04 | +16 47.0 | 2.033 | 2.995 | 4.9 | 19.5 |
| 12 27 | 6 28.21 | +16 23.9 | 2.023 | 3.001 | 2.3 | 19.4 |
| 1 6 | 6 19.39 | +16 5.5 | 2.042 | 3.008 | 4.2 | 19.5 |
| 1 16 | 6 11.51 | +15 52.2 | 2.090 | 3.014 | 7.7 | 19.7 |
| 1 26 | 6 5.37 | +15 44.1 | 2.164 | 3.021 | 10.9 | 20.0 |
| 2 5 | 6 1.47 | +15 40.9 | 2.261 | 3.028 | 13.6 | 20.2 |

**298399** 2003 $SR_{243}$ 12 27.9 172.°43 1.°6/28.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.10 | +18 23.1 | 2.065 | 2.906 | 12.1 | 22.3 |
| 12 7 | 6 47.23 | +18 23.2 | 1.994 | 2.909 | 8.7 | 22.1 |
| 12 17 | 6 38.35 | +18 27.5 | 1.949 | 2.911 | 4.9 | 21.9 |
| 12 27 | 6 28.32 | +18 35.1 | 1.932 | 2.913 | 1.6 | 21.7 |
| 1 6 | 6 18.20 | +18 45.0 | 1.946 | 2.915 | 4.1 | 21.8 |
| 1 16 | 6 9.05 | +18 56.4 | 1.989 | 2.915 | 7.9 | 22.1 |
| 1 26 | 6 1.77 | +19 9.1 | 2.060 | 2.916 | 11.4 | 22.3 |
| 2 5 | 5 56.95 | +19 22.9 | 2.152 | 2.916 | 14.3 | 22.5 |

**447972** 2008 $CV_{97}$ 12 27.9 83.°73 2.°4/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.03 | +15 49.4 | 1.870 | 2.714 | 13.0 | 21.1 |
| 12 7 | 6 45.90 | +15 59.3 | 1.803 | 2.719 | 9.4 | 20.9 |
| 12 17 | 6 37.69 | +16 17.1 | 1.762 | 2.723 | 5.5 | 20.7 |
| 12 27 | 6 28.27 | +16 41.6 | 1.749 | 2.728 | 2.4 | 20.5 |
| 1 6 | 6 18.75 | +17 11.0 | 1.764 | 2.732 | 4.5 | 20.6 |
| 1 16 | 6 10.24 | +17 43.4 | 1.809 | 2.737 | 8.4 | 20.9 |
| 1 26 | 6 3.70 | +18 17.2 | 1.879 | 2.741 | 12.0 | 21.1 |
| 2 5 | 5 59.71 | +18 51.3 | 1.971 | 2.746 | 15.1 | 21.3 |

**108716** 2001 $OD_{23}$ 12 27.9 110.°61 1.°2/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.70 | +16 56.8 | 2.311 | 3.143 | 11.3 | 19.7 |
| 12 7 | 6 47.38 | +17 36.0 | 2.255 | 3.166 | 8.1 | 19.5 |
| 12 17 | 6 38.32 | +18 20.9 | 2.227 | 3.189 | 4.5 | 19.4 |
| 12 27 | 6 28.33 | +19 8.9 | 2.230 | 3.211 | 1.3 | 19.2 |
| 1 6 | 6 18.35 | +19 57.4 | 2.264 | 3.233 | 3.6 | 19.4 |
| 1 16 | 6 9.30 | +20 44.3 | 2.329 | 3.254 | 7.0 | 19.6 |
| 1 26 | 6 1.97 | +21 28.2 | 2.423 | 3.274 | 10.1 | 19.8 |
| 2 5 | 5 56.87 | +22 8.6 | 2.540 | 3.294 | 12.6 | 20.1 |

**402316** 2005 $TC_{125}$ 12 27.9 85.°39 0.°0/27.9 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.41 | +22 47.3 | 1.981 | 2.829 | 12.2 | 21.9 |
| 12 7 | 6 46.72 | +22 53.3 | 1.925 | 2.845 | 8.6 | 21.7 |
| 12 17 | 6 38.04 | +23 0.0 | 1.894 | 2.860 | 4.6 | 21.5 |
| 12 27 | 6 28.30 | +23 5.8 | 1.892 | 2.875 | 0.4 | 21.2 |
| 1 6 | 6 18.62 | +23 9.5 | 1.920 | 2.890 | 3.8 | 21.5 |
| 1 16 | 6 10.06 | +23 11.0 | 1.977 | 2.905 | 7.7 | 21.7 |
| 1 26 | 6 3.51 | +23 10.9 | 2.060 | 2.920 | 11.2 | 22.0 |
| 2 5 | 5 59.46 | +23 10.1 | 2.165 | 2.935 | 14.0 | 22.2 |

**322508** 2011 $WD_{63}$ 12 27.9 35.°62 0.°4/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.36 | +23 50.6 | 1.611 | 2.470 | 14.0 | 21.3 |
| 12 7 | 6 47.14 | +24 1.2 | 1.551 | 2.476 | 9.9 | 21.1 |
| 12 17 | 6 38.44 | +24 12.4 | 1.515 | 2.482 | 5.3 | 20.8 |
| 12 27 | 6 28.34 | +24 21.5 | 1.506 | 2.489 | 0.6 | 20.5 |
| 1 6 | 6 18.20 | +24 26.9 | 1.525 | 2.496 | 4.5 | 20.8 |
| 1 16 | 6 9.37 | +24 28.4 | 1.571 | 2.503 | 9.1 | 21.1 |
| 1 26 | 6 2.94 | +24 26.9 | 1.642 | 2.511 | 13.1 | 21.3 |
| 2 5 | 5 59.51 | +24 24.0 | 1.734 | 2.519 | 16.4 | 21.6 |

**88337** 2001 $OA_{68}$ 12 27.9 222.°66 0.°0/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.49 | +23 2.9 | 1.746 | 2.595 | 13.6 | 19.8 |
| 12 7 | 6 49.37 | +23 4.8 | 1.668 | 2.588 | 9.7 | 19.5 |
| 12 17 | 6 39.70 | +23 7.3 | 1.615 | 2.581 | 5.3 | 19.2 |
| 12 27 | 6 28.46 | +23 8.3 | 1.589 | 2.572 | 0.4 | 18.8 |
| 1 6 | 6 16.99 | +23 6.4 | 1.593 | 2.564 | 4.5 | 19.1 |
| 1 16 | 6 6.67 | +23 1.7 | 1.626 | 2.555 | 9.1 | 19.4 |
| 1 26 | 5 58.67 | +22 55.5 | 1.684 | 2.545 | 13.2 | 19.6 |
| 2 5 | 5 53.70 | +22 49.2 | 1.763 | 2.535 | 16.7 | 19.8 |

**326557** 2002 $PM_{156}$ 12 27.9 131.°13 0.°4/27.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.90 | +21 34.5 | 2.610 | 3.450 | 9.9 | 21.9 |
| 12 7 | 6 44.63 | +21 40.7 | 2.545 | 3.461 | 7.0 | 21.7 |
| 12 17 | 6 36.84 | +21 48.1 | 2.506 | 3.471 | 3.8 | 21.5 |
| 12 27 | 6 28.21 | +21 55.8 | 2.497 | 3.480 | 0.5 | 21.3 |
| 1 6 | 6 19.57 | +22 2.6 | 2.520 | 3.490 | 3.1 | 21.5 |
| 1 16 | 6 11.71 | +22 8.4 | 2.572 | 3.499 | 6.3 | 21.8 |
| 1 26 | 6 5.34 | +22 13.3 | 2.653 | 3.507 | 9.2 | 22.0 |
| 2 5 | 6 0.91 | +22 17.6 | 2.758 | 3.516 | 11.6 | 22.1 |

**60467** 2000 $DB_{14}$ 12 27.9 117.°60 2.°7/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 59.55 | +29 47.3 | 1.708 | 2.554 | 13.9 | 19.1 |
| 12 7 | 6 51.40 | +30 6.4 | 1.654 | 2.570 | 10.0 | 18.9 |
| 12 17 | 6 40.66 | +30 19.6 | 1.624 | 2.586 | 5.8 | 18.7 |
| 12 27 | 6 28.53 | +30 22.8 | 1.622 | 2.601 | 2.7 | 18.5 |
| 1 6 | 6 16.52 | +30 14.5 | 1.649 | 2.615 | 5.1 | 18.7 |
| 1 16 | 6 6.05 | +29 55.9 | 1.705 | 2.629 | 9.2 | 19.0 |
| 1 26 | 5 58.22 | +29 30.4 | 1.787 | 2.642 | 12.9 | 19.2 |
| 2 5 | 5 53.60 | +29 2.0 | 1.889 | 2.654 | 16.0 | 19.5 |

**80602** 2000 $AH_{153}$ 12 27.9 26.°81 4.°6/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.28 | +33 37.3 | 1.172 | 2.038 | 17.6 | 18.1 |
| 12 7 | 6 51.40 | +33 38.3 | 1.120 | 2.044 | 13.0 | 17.9 |
| 12 17 | 6 40.94 | +33 26.1 | 1.090 | 2.052 | 8.0 | 17.6 |
| 12 27 | 6 28.55 | +32 55.9 | 1.084 | 2.060 | 4.6 | 17.4 |
| 1 6 | 6 16.37 | +32 7.6 | 1.103 | 2.069 | 7.0 | 17.6 |
| 1 16 | 6 6.37 | +31 5.7 | 1.147 | 2.079 | 11.8 | 17.9 |
| 1 26 | 5 59.95 | +29 57.8 | 1.214 | 2.089 | 16.3 | 18.2 |
| 2 5 | 5 57.63 | +28 50.7 | 1.299 | 2.100 | 20.0 | 18.5 |

**190919** 2001 $UP_{142}$ 12 27.9 325.°90 1.°6/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.45 | +19 42.7 | 1.307 | 2.175 | 16.1 | 19.8 |
| 12 7 | 6 47.11 | +19 39.5 | 1.234 | 2.162 | 11.6 | 19.5 |
| 12 17 | 6 38.72 | +19 41.9 | 1.182 | 2.150 | 6.5 | 19.2 |
| 12 27 | 6 28.40 | +19 48.8 | 1.156 | 2.138 | 1.7 | 18.9 |
| 1 6 | 6 17.71 | +19 58.4 | 1.155 | 2.127 | 5.5 | 19.1 |
| 1 16 | 6 8.34 | +20 9.9 | 1.180 | 2.117 | 10.9 | 19.4 |
| 1 26 | 6 1.72 | +20 23.0 | 1.228 | 2.108 | 15.8 | 19.6 |
| 2 5 | 5 58.68 | +20 37.4 | 1.295 | 2.099 | 19.9 | 19.9 |

**333681** 2008 $TT_{174}$ 12 27.9 168.°13 5.°9/29.0 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 48.59 | + 1 57.9 | 2.749 | 3.538 | 10.9 | 22.2 |
| 12 7 | 6 42.92 | + 1 34.3 | 2.678 | 3.541 | 8.9 | 22.1 |
| 12 17 | 6 35.92 | + 1 23.7 | 2.632 | 3.544 | 7.0 | 22.0 |
| 12 27 | 6 28.15 | + 1 27.5 | 2.615 | 3.546 | 5.9 | 21.9 |
| 1 6 | 6 20.33 | + 1 45.7 | 2.626 | 3.548 | 6.4 | 21.9 |
| 1 16 | 6 13.12 | + 2 17.1 | 2.666 | 3.550 | 8.0 | 22.0 |
| 1 26 | 6 7.17 | + 2 59.4 | 2.732 | 3.551 | 10.1 | 22.2 |
| 2 5 | 6 2.91 | + 3 49.4 | 2.822 | 3.552 | 12.0 | 22.3 |

**290619** 2005 $UP_{226}$ 12 27.9 348.°42 1.°0/27.8 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.61 | +25 6.3 | 1.959 | 2.810 | 12.2 | 21.3 |
| 12 7 | 6 46.39 | +25 26.6 | 1.888 | 2.810 | 8.7 | 21.1 |
| 12 17 | 6 38.00 | +25 46.5 | 1.843 | 2.809 | 4.7 | 20.9 |
| 12 27 | 6 28.33 | +26 3.4 | 1.826 | 2.809 | 1.0 | 20.6 |
| 1 6 | 6 18.53 | +26 15.2 | 1.839 | 2.808 | 4.1 | 20.8 |
| 1 16 | 6 9.75 | +26 21.6 | 1.880 | 2.808 | 8.1 | 21.1 |
| 1 26 | 6 2.99 | +26 23.2 | 1.947 | 2.808 | 11.7 | 21.3 |
| 2 5 | 5 58.86 | +26 21.8 | 2.036 | 2.808 | 14.7 | 21.5 |

**40613** 1999 $RR_{162}$ 12 27.9 110.°69 5.°9/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 2.14 | +39 52.0 | 1.927 | 2.751 | 13.5 | 19.3 |
| 12 7 | 6 53.17 | +40 19.6 | 1.876 | 2.770 | 10.4 | 19.1 |
| 12 17 | 6 41.56 | +40 32.6 | 1.849 | 2.787 | 7.5 | 19.0 |
| 12 27 | 6 28.61 | +40 25.9 | 1.850 | 2.805 | 5.9 | 18.9 |
| 1 6 | 6 15.89 | +39 58.4 | 1.880 | 2.822 | 7.0 | 19.0 |
| 1 16 | 6 4.87 | +39 13.0 | 1.938 | 2.838 | 9.7 | 19.2 |
| 1 26 | 5 56.64 | +38 15.3 | 2.022 | 2.854 | 12.6 | 19.5 |
| 2 5 | 5 51.71 | +37 12.0 | 2.127 | 2.869 | 15.1 | 19.7 |

**208804** 2002 $QW_{92}$ 12 27.9 181.°04 0.°3/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.98 | +21 35.6 | 2.120 | 2.963 | 11.7 | 21.2 |
| 12 7 | 6 47.18 | +21 50.1 | 2.046 | 2.964 | 8.4 | 21.0 |
| 12 17 | 6 38.37 | +22 6.7 | 1.999 | 2.964 | 4.5 | 20.8 |
| 12 27 | 6 28.36 | +22 23.5 | 1.981 | 2.964 | 0.5 | 20.4 |
| 1 6 | 6 18.23 | +22 38.9 | 1.994 | 2.964 | 3.8 | 20.7 |
| 1 16 | 6 9.04 | +22 51.9 | 2.036 | 2.963 | 7.7 | 21.0 |
| 1 26 | 6 1.71 | +23 2.9 | 2.105 | 2.962 | 11.1 | 21.2 |
| 2 5 | 5 56.84 | +23 12.3 | 2.197 | 2.960 | 14.1 | 21.4 |

**7811** Zhaojiuzhang 12 27.9 322.°01 3.°8/28.8 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.43 | +11 34.1 | 1.653 | 2.496 | 14.5 | 16.9 |
| 12 7 | 6 45.84 | +11 59.5 | 1.576 | 2.487 | 10.9 | 16.6 |
| 12 17 | 6 37.85 | +12 39.7 | 1.523 | 2.479 | 6.9 | 16.4 |
| 12 27 | 6 28.33 | +13 33.6 | 1.496 | 2.471 | 3.9 | 16.2 |
| 1 6 | 6 18.49 | +14 38.1 | 1.497 | 2.463 | 5.6 | 16.3 |
| 1 16 | 6 9.61 | +15 49.1 | 1.527 | 2.455 | 9.6 | 16.5 |
| 1 26 | 6 2.84 | +17 2.5 | 1.581 | 2.448 | 13.6 | 16.7 |
| 2 5 | 5 58.92 | +18 14.7 | 1.657 | 2.442 | 17.1 | 16.9 |

**411097** 2009 $WS_{29}$ 12 27.9 11.°64 4.°8/28.3 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.63 | +10 52.9 | 1.862 | 2.700 | 13.3 | 20.9 |
| 12 7 | 6 44.17 | +10 20.7 | 1.797 | 2.702 | 10.1 | 20.7 |
| 12 17 | 6 36.75 | + 9 59.0 | 1.755 | 2.704 | 6.9 | 20.5 |
| 12 27 | 6 28.23 | + 9 49.6 | 1.740 | 2.706 | 4.9 | 20.4 |
| 1 6 | 6 19.64 | + 9 52.6 | 1.754 | 2.709 | 6.1 | 20.5 |
| 1 16 | 6 12.01 | +10 7.1 | 1.794 | 2.712 | 9.2 | 20.7 |
| 1 26 | 6 6.23 | +10 31.3 | 1.860 | 2.716 | 12.4 | 20.9 |
| 2 5 | 6 2.86 | +11 2.4 | 1.947 | 2.720 | 15.3 | 21.1 |

**488833** 2005 $QT_{55}$ 12 27.9 84.°60 1.°6/28.1 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.91 | +18 46.2 | 1.507 | 2.357 | 15.3 | 21.7 |
| 12 7 | 6 50.16 | +18 50.1 | 1.464 | 2.383 | 10.9 | 21.5 |
| 12 17 | 6 39.94 | +18 59.3 | 1.445 | 2.409 | 6.0 | 21.3 |
| 12 27 | 6 28.49 | +19 12.0 | 1.453 | 2.435 | 1.7 | 21.1 |
| 1 6 | 6 17.26 | +19 26.5 | 1.489 | 2.459 | 4.8 | 21.3 |
| 1 16 | 6 7.62 | +19 41.8 | 1.554 | 2.484 | 9.4 | 21.7 |
| 1 26 | 6 0.60 | +19 57.5 | 1.643 | 2.508 | 13.3 | 21.9 |
| 2 5 | 5 56.69 | +20 13.5 | 1.754 | 2.531 | 16.5 | 22.2 |

**444473** 2006 $KB_{105}$ 12 27.9 187.°01 5.°7/28.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.21 | + 6 46.2 | 2.017 | 2.834 | 13.3 | 22.1 |
| 12 7 | 6 45.91 | + 6 26.5 | 1.945 | 2.834 | 10.4 | 21.9 |
| 12 17 | 6 37.68 | + 6 20.5 | 1.897 | 2.834 | 7.5 | 21.7 |
| 12 27 | 6 28.32 | + 6 29.6 | 1.877 | 2.833 | 5.8 | 21.6 |
| 1 6 | 6 18.83 | + 6 53.5 | 1.886 | 2.831 | 6.7 | 21.6 |
| 1 16 | 6 10.21 | + 7 30.5 | 1.922 | 2.830 | 9.3 | 21.8 |
| 1 26 | 6 3.37 | + 8 17.5 | 1.985 | 2.827 | 12.3 | 22.0 |
| 2 5 | 5 58.87 | + 9 11.0 | 2.069 | 2.825 | 15.0 | 22.2 |

**146507** 2001 $SP_{58}$ 12 27.9 131.°49 2.°2/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.40 | +16 29.7 | 2.120 | 2.959 | 11.9 | 19.9 |
| 12 7 | 6 45.94 | +16 24.3 | 2.055 | 2.967 | 8.6 | 19.7 |
| 12 17 | 6 37.64 | +16 24.5 | 2.015 | 2.976 | 5.0 | 19.5 |
| 12 27 | 6 28.32 | +16 29.9 | 2.005 | 2.983 | 2.3 | 19.3 |
| 1 6 | 6 18.97 | +16 39.6 | 2.024 | 2.991 | 4.2 | 19.5 |
| 1 16 | 6 10.56 | +16 52.9 | 2.073 | 2.998 | 7.7 | 19.7 |
| 1 26 | 6 3.92 | +17 9.0 | 2.149 | 3.005 | 11.0 | 19.9 |
| 2 5 | 5 59.59 | +17 27.2 | 2.247 | 3.012 | 13.7 | 20.1 |

**184137** 2004 $JU_{18}$ 12 27.9 206.°69 2.°1/27.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.17 | +28 32.9 | 2.126 | 2.971 | 11.6 | 20.8 |
| 12 7 | 6 47.45 | +29 1.1 | 2.051 | 2.968 | 8.4 | 20.6 |
| 12 17 | 6 38.58 | +29 26.3 | 2.003 | 2.965 | 4.8 | 20.4 |
| 12 27 | 6 28.41 | +29 45.1 | 1.983 | 2.962 | 2.2 | 20.2 |
| 1 6 | 6 18.08 | +29 55.4 | 1.993 | 2.959 | 4.4 | 20.3 |
| 1 16 | 6 8.73 | +29 56.9 | 2.033 | 2.955 | 8.0 | 20.6 |
| 1 26 | 6 1.35 | +29 51.0 | 2.099 | 2.951 | 11.4 | 20.8 |
| 2 5 | 5 56.58 | +29 40.3 | 2.187 | 2.947 | 14.2 | 21.0 |

**42651** 1998 $FF_{77}$ 12 27.9 156.°63 1.°7/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.64 | +17 42.3 | 1.695 | 2.539 | 14.1 | 19.5 |
| 12 7 | 6 49.38 | +17 57.3 | 1.629 | 2.546 | 10.2 | 19.2 |
| 12 17 | 6 39.66 | +18 19.0 | 1.588 | 2.551 | 5.7 | 19.0 |
| 12 27 | 6 28.51 | +18 45.4 | 1.575 | 2.557 | 1.8 | 18.7 |
| 1 6 | 6 17.24 | +19 14.1 | 1.592 | 2.561 | 4.7 | 19.0 |
| 1 16 | 6 7.19 | +19 43.5 | 1.637 | 2.565 | 9.1 | 19.2 |
| 1 26 | 5 59.45 | +20 12.4 | 1.708 | 2.569 | 13.1 | 19.5 |
| 2 5 | 5 54.67 | +20 40.3 | 1.800 | 2.571 | 16.4 | 19.7 |

**20673** Janelle 12 27.9 88.°69 3.°5/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.33 | +31 50.0 | 2.129 | 2.972 | 11.7 | 18.7 |
| 12 7 | 6 47.55 | +32 38.6 | 2.070 | 2.982 | 8.6 | 18.5 |
| 12 17 | 6 38.61 | +33 21.9 | 2.036 | 2.993 | 5.3 | 18.4 |
| 12 27 | 6 28.42 | +33 55.3 | 2.031 | 3.003 | 3.5 | 18.3 |
| 1 6 | 6 18.16 | +34 16.3 | 2.056 | 3.013 | 5.2 | 18.4 |
| 1 16 | 6 8.97 | +34 24.4 | 2.109 | 3.023 | 8.2 | 18.6 |
| 1 26 | 6 1.84 | +34 21.7 | 2.189 | 3.033 | 11.3 | 18.8 |
| 2 5 | 5 57.36 | +34 11.3 | 2.290 | 3.043 | 13.8 | 19.0 |

**390245** 2012 $XH_{80}$ 12 27.9 261.°48 4.°0/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.15 | +13 18.0 | 1.671 | 2.514 | 14.4 | 21.3 |
| 12 7 | 6 47.01 | +13 3.5 | 1.595 | 2.506 | 10.7 | 21.1 |
| 12 17 | 6 38.46 | +12 59.0 | 1.542 | 2.498 | 6.8 | 20.8 |
| 12 27 | 6 28.42 | +13 5.2 | 1.516 | 2.490 | 4.1 | 20.7 |
| 1 6 | 6 18.13 | +13 21.5 | 1.518 | 2.481 | 5.9 | 20.7 |
| 1 16 | 6 8.87 | +13 46.4 | 1.547 | 2.472 | 9.8 | 21.0 |
| 1 26 | 6 1.77 | +14 18.2 | 1.602 | 2.464 | 13.8 | 21.2 |
| 2 5 | 5 57.53 | +14 54.4 | 1.677 | 2.455 | 17.2 | 21.4 |

**352961** 2009 $BE_{41}$ 12 27.9 84.°52 0.°4/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.19 | +20 54.3 | 1.702 | 2.554 | 13.7 | 20.7 |
| 12 7 | 6 47.62 | +21 14.8 | 1.641 | 2.563 | 9.7 | 20.5 |
| 12 17 | 6 38.70 | +21 39.0 | 1.605 | 2.572 | 5.3 | 20.2 |
| 12 27 | 6 28.43 | +22 4.3 | 1.597 | 2.580 | 0.6 | 19.9 |
| 1 6 | 6 18.11 | +22 28.3 | 1.618 | 2.589 | 4.3 | 20.2 |
| 1 16 | 6 9.00 | +22 49.7 | 1.667 | 2.598 | 8.8 | 20.5 |
| 1 26 | 6 2.16 | +23 8.4 | 1.741 | 2.606 | 12.7 | 20.7 |
| 2 5 | 5 58.21 | +23 24.7 | 1.837 | 2.615 | 15.9 | 21.0 |

**185260** 2006 $UU_{100}$ 12 27.9 148.°82 0.°7/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.49 | +20 18.0 | 1.704 | 2.550 | 14.0 | 21.0 |
| 12 7 | 6 49.97 | +20 38.0 | 1.640 | 2.559 | 10.0 | 20.8 |
| 12 17 | 6 39.97 | +21 2.1 | 1.602 | 2.567 | 5.4 | 20.5 |
| 12 27 | 6 28.54 | +21 27.6 | 1.592 | 2.575 | 0.8 | 20.2 |
| 1 6 | 6 17.03 | +21 52.0 | 1.611 | 2.582 | 4.4 | 20.5 |
| 1 16 | 6 6.79 | +22 14.1 | 1.659 | 2.588 | 9.0 | 20.8 |
| 1 26 | 5 58.92 | +22 33.5 | 1.733 | 2.593 | 13.0 | 21.0 |
| 2 5 | 5 54.06 | +22 51.0 | 1.828 | 2.598 | 16.2 | 21.3 |

**477340** 2009 $UB_{13}$ 12 27.9 96.°31 2.°7/27.6 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 1.23 | +28 13.9 | 1.610 | 2.457 | 14.6 | 21.9 |
| 12 7 | 6 52.63 | +29 1.5 | 1.567 | 2.485 | 10.4 | 21.7 |
| 12 17 | 6 41.34 | +29 44.7 | 1.549 | 2.512 | 5.9 | 21.5 |
| 12 27 | 6 28.65 | +30 18.1 | 1.559 | 2.538 | 2.7 | 21.4 |
| 1 6 | 6 16.16 | +30 38.5 | 1.599 | 2.564 | 5.3 | 21.6 |
| 1 16 | 6 5.34 | +30 46.1 | 1.666 | 2.588 | 9.5 | 21.9 |
| 1 26 | 5 57.34 | +30 43.8 | 1.759 | 2.612 | 13.2 | 22.2 |
| 2 5 | 5 52.67 | +30 35.4 | 1.873 | 2.636 | 16.2 | 22.4 |

**84840** 2003 $AT_{12}$ 12 27.9 49.°99 5.°2/28.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.84 | +11 52.9 | 1.305 | 2.158 | 17.0 | 19.0 |
| 12 7 | 6 47.68 | +11 30.6 | 1.254 | 2.169 | 12.7 | 18.7 |
| 12 17 | 6 38.81 | +11 22.6 | 1.225 | 2.180 | 8.3 | 18.5 |
| 12 27 | 6 28.46 | +11 29.9 | 1.220 | 2.192 | 5.3 | 18.4 |
| 1 6 | 6 18.13 | +11 51.5 | 1.242 | 2.204 | 7.0 | 18.5 |
| 1 16 | 6 9.31 | +12 24.7 | 1.289 | 2.217 | 11.1 | 18.8 |
| 1 26 | 6 3.17 | +13 6.3 | 1.360 | 2.230 | 15.2 | 19.0 |
| 2 5 | 6 0.28 | +13 52.4 | 1.449 | 2.243 | 18.7 | 19.3 |

**517816** 2015 $RH_{20}$ 12 27.9 184.°70 3.°0/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.02 | +14 32.3 | 2.139 | 2.971 | 12.1 | 22.1 |
| 12 7 | 6 47.13 | +14 18.2 | 2.065 | 2.972 | 8.9 | 21.9 |
| 12 17 | 6 38.34 | +14 10.8 | 2.016 | 2.972 | 5.5 | 21.7 |
| 12 27 | 6 28.43 | +14 10.3 | 1.996 | 2.971 | 3.0 | 21.6 |
| 1 6 | 6 18.41 | +14 16.2 | 2.006 | 2.969 | 4.7 | 21.7 |
| 1 16 | 6 9.29 | +14 27.9 | 2.046 | 2.967 | 8.1 | 21.9 |
| 1 26 | 6 1.94 | +14 44.4 | 2.113 | 2.964 | 11.4 | 22.1 |
| 2 5 | 5 56.93 | +15 4.7 | 2.203 | 2.960 | 14.2 | 22.3 |

**459409** 2012 $LY_{17}$ 12 27.9 290.°03 0.°2/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.80 | +21 1.0 | 2.168 | 3.014 | 11.4 | 20.8 |
| 12 7 | 6 45.77 | +21 51.4 | 2.089 | 3.008 | 8.1 | 20.6 |
| 12 17 | 6 37.71 | +22 46.4 | 2.036 | 3.002 | 4.4 | 20.3 |
| 12 27 | 6 28.39 | +23 42.9 | 2.013 | 2.996 | 0.4 | 20.0 |
| 1 6 | 6 18.80 | +24 37.3 | 2.020 | 2.990 | 3.7 | 20.3 |
| 1 16 | 6 9.97 | +25 27.0 | 2.057 | 2.985 | 7.6 | 20.5 |
| 1 26 | 6 2.89 | +26 11.0 | 2.121 | 2.979 | 11.0 | 20.7 |
| 2 5 | 5 58.18 | +26 49.1 | 2.208 | 2.973 | 13.9 | 20.9 |

**108662** 2001 $NY_{20}$ 12 27.9 81.°50 2.°2/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 59.15 | +28 49.5 | 1.479 | 2.334 | 15.3 | 19.0 |
| 12 7 | 6 51.32 | +28 52.1 | 1.429 | 2.351 | 10.9 | 18.8 |
| 12 17 | 6 40.69 | +28 48.7 | 1.403 | 2.368 | 6.1 | 18.6 |
| 12 27 | 6 28.62 | +28 36.1 | 1.404 | 2.385 | 2.2 | 18.4 |
| 1 6 | 6 16.78 | +28 13.7 | 1.433 | 2.402 | 5.2 | 18.6 |
| 1 16 | 6 6.69 | +27 43.5 | 1.490 | 2.419 | 9.8 | 18.9 |
| 1 26 | 5 59.51 | +27 9.5 | 1.571 | 2.436 | 13.8 | 19.2 |
| 2 5 | 5 55.74 | +26 35.4 | 1.673 | 2.452 | 17.1 | 19.5 |

**453609** 2010 $NH_{112}$ 12 27.9 78.°05 2.°4/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.62 | +29 8.9 | 1.886 | 2.736 | 12.7 | 21.5 |
| 12 7 | 6 47.86 | +29 33.9 | 1.826 | 2.745 | 9.1 | 21.3 |
| 12 17 | 6 38.81 | +29 54.6 | 1.791 | 2.754 | 5.3 | 21.1 |
| 12 27 | 6 28.47 | +30 7.6 | 1.784 | 2.762 | 2.4 | 20.9 |
| 1 6 | 6 18.12 | +30 10.9 | 1.806 | 2.771 | 4.7 | 21.1 |
| 1 16 | 6 8.98 | +30 4.8 | 1.856 | 2.780 | 8.5 | 21.3 |
| 1 26 | 6 2.08 | +29 51.4 | 1.932 | 2.789 | 12.0 | 21.6 |
| 2 5 | 5 58.00 | +29 33.8 | 2.030 | 2.798 | 14.9 | 21.8 |

**104853** 2000 $HN_{75}$ 12 27.9 162.°79 0.°2/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.14 | +21 35.6 | 2.788 | 3.627 | 9.4 | 20.3 |
| 12 7 | 6 44.12 | +21 53.7 | 2.715 | 3.631 | 6.6 | 20.2 |
| 12 17 | 6 36.63 | +22 13.5 | 2.669 | 3.634 | 3.6 | 20.0 |
| 12 27 | 6 28.30 | +22 33.6 | 2.654 | 3.637 | 0.4 | 19.7 |
| 1 6 | 6 19.88 | +22 52.4 | 2.670 | 3.640 | 3.0 | 19.9 |
| 1 16 | 6 12.14 | +23 9.4 | 2.717 | 3.643 | 6.1 | 20.2 |
| 1 26 | 6 5.75 | +23 24.4 | 2.792 | 3.645 | 8.8 | 20.3 |
| 2 5 | 6 1.20 | +23 37.5 | 2.891 | 3.647 | 11.2 | 20.5 |

**519578** 2012 $SG_{71}$ 12 27.9 52.°30 7.°0/26.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 59.05 | +35 44.1 | 1.498 | 2.347 | 15.4 | 20.0 |
| 12 7 | 6 51.90 | +37 30.4 | 1.448 | 2.358 | 11.7 | 19.8 |
| 12 17 | 6 41.36 | +39 7.2 | 1.422 | 2.369 | 8.4 | 19.6 |
| 12 27 | 6 28.71 | +40 24.1 | 1.423 | 2.381 | 7.0 | 19.6 |
| 1 6 | 6 15.81 | +41 14.6 | 1.451 | 2.392 | 8.7 | 19.7 |
| 1 16 | 6 4.55 | +41 37.9 | 1.504 | 2.404 | 12.0 | 19.9 |
| 1 26 | 5 56.48 | +41 38.6 | 1.581 | 2.417 | 15.3 | 20.2 |
| 2 5 | 5 52.36 | +41 23.6 | 1.676 | 2.429 | 18.1 | 20.4 |

**15422** 1998 $QP_{45}$ 12 27.9 302.°79 8.°2/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.79 | + 4 44.7 | 1.643 | 2.467 | 15.5 | 17.1 |
| 12 7 | 6 45.41 | + 3 50.5 | 1.561 | 2.449 | 12.5 | 16.9 |
| 12 17 | 6 37.67 | + 3 12.4 | 1.501 | 2.431 | 9.7 | 16.6 |
| 12 27 | 6 28.41 | + 2 54.6 | 1.467 | 2.413 | 8.2 | 16.5 |
| 1 6 | 6 18.80 | + 2 59.4 | 1.459 | 2.395 | 9.2 | 16.5 |
| 1 16 | 6 10.09 | + 3 26.1 | 1.476 | 2.378 | 12.0 | 16.7 |
| 1 26 | 6 3.43 | + 4 11.3 | 1.516 | 2.361 | 15.3 | 16.8 |
| 2 5 | 5 59.54 | + 5 9.8 | 1.576 | 2.344 | 18.5 | 17.0 |

**361296** 2006 $TX_{58}$ 12 27.9 230.°56 2.°5/27.6 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.81 | +29 40.4 | 1.972 | 2.819 | 12.3 | 21.5 |
| 12 7 | 6 48.06 | +30 3.7 | 1.898 | 2.816 | 8.9 | 21.2 |
| 12 17 | 6 38.99 | +30 22.6 | 1.850 | 2.812 | 5.2 | 21.0 |
| 12 27 | 6 28.52 | +30 33.6 | 1.830 | 2.808 | 2.6 | 20.8 |
| 1 6 | 6 17.89 | +30 34.6 | 1.839 | 2.804 | 4.8 | 21.0 |
| 1 16 | 6 8.35 | +30 25.8 | 1.877 | 2.800 | 8.5 | 21.2 |
| 1 26 | 6 0.97 | +30 9.4 | 1.940 | 2.795 | 12.0 | 21.4 |
| 2 5 | 5 56.39 | +29 48.4 | 2.026 | 2.791 | 15.0 | 21.6 |

**420704** 2012 $LF_{9}$ 12 27.9 133.°41 5.°1/29.1 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.10 | + 5 54.0 | 2.420 | 3.230 | 11.6 | 21.5 |
| 12 7 | 6 43.48 | + 5 47.8 | 2.350 | 3.234 | 9.0 | 21.3 |
| 12 17 | 6 36.32 | + 5 54.2 | 2.305 | 3.238 | 6.6 | 21.2 |
| 12 27 | 6 28.29 | + 6 13.9 | 2.288 | 3.241 | 5.1 | 21.1 |
| 1 6 | 6 20.18 | + 6 46.1 | 2.301 | 3.244 | 5.8 | 21.1 |
| 1 16 | 6 12.79 | + 7 29.1 | 2.342 | 3.248 | 8.0 | 21.3 |
| 1 26 | 6 6.81 | + 8 20.1 | 2.410 | 3.251 | 10.5 | 21.4 |
| 2 5 | 6 2.75 | + 9 16.1 | 2.502 | 3.254 | 12.8 | 21.6 |

**23430** 1981 $EO_{38}$ 12 27.9 128.°72 6.°8/28.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.51 | + 5 16.3 | 1.883 | 2.699 | 14.2 | 19.2 |
| 12 7 | 6 46.15 | + 4 38.8 | 1.822 | 2.706 | 11.2 | 19.1 |
| 12 17 | 6 37.84 | + 4 16.6 | 1.784 | 2.714 | 8.4 | 18.9 |
| 12 27 | 6 28.42 | + 4 11.9 | 1.773 | 2.721 | 6.8 | 18.8 |
| 1 6 | 6 18.97 | + 4 25.0 | 1.789 | 2.728 | 7.6 | 18.9 |
| 1 16 | 6 10.52 | + 4 54.4 | 1.833 | 2.734 | 10.1 | 19.1 |
| 1 26 | 6 3.96 | + 5 36.7 | 1.902 | 2.740 | 13.0 | 19.2 |
| 2 5 | 5 59.83 | + 6 27.8 | 1.992 | 2.746 | 15.6 | 19.4 |

**74984** 1999 $TW_{248}$ 12 27.9 30.°50 5.°9/28.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.49 | +11 9.9 | 1.271 | 2.124 | 17.4 | 18.4 |
| 12 7 | 6 47.58 | +10 38.1 | 1.214 | 2.128 | 13.1 | 18.1 |
| 12 17 | 6 38.86 | +10 21.3 | 1.179 | 2.133 | 8.8 | 17.9 |
| 12 27 | 6 28.52 | +10 21.5 | 1.168 | 2.138 | 5.9 | 17.8 |
| 1 6 | 6 18.10 | +10 38.3 | 1.183 | 2.143 | 7.6 | 17.9 |
| 1 16 | 6 9.14 | +11 9.6 | 1.223 | 2.149 | 11.7 | 18.1 |
| 1 26 | 6 2.89 | +11 51.6 | 1.285 | 2.155 | 15.9 | 18.4 |
| 2 5 | 6 0.00 | +12 40.0 | 1.366 | 2.162 | 19.5 | 18.6 |

**30327** Prembabu 12 27.9 114.°77 2.°6/28.2 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.61 | +15 39.9 | 2.040 | 2.879 | 12.3 | 18.9 |
| 12 7 | 6 46.14 | +15 32.4 | 1.978 | 2.890 | 8.9 | 18.7 |
| 12 17 | 6 37.80 | +15 31.3 | 1.941 | 2.900 | 5.3 | 18.5 |
| 12 27 | 6 28.42 | +15 36.5 | 1.933 | 2.910 | 2.6 | 18.3 |
| 1 6 | 6 19.04 | +15 47.0 | 1.954 | 2.920 | 4.4 | 18.5 |
| 1 16 | 6 10.64 | +16 2.0 | 2.005 | 2.930 | 7.9 | 18.7 |
| 1 26 | 6 4.08 | +16 20.5 | 2.082 | 2.939 | 11.2 | 18.9 |
| 2 5 | 5 59.87 | +16 41.5 | 2.182 | 2.948 | 14.0 | 19.1 |

**311626** 2006 $QF_{28}$ 12 27.9 97.°25 0.°8/28.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.48 | +19 51.6 | 1.963 | 2.807 | 12.5 | 21.0 |
| 12 7 | 6 47.49 | +20 7.3 | 1.909 | 2.826 | 8.9 | 20.9 |
| 12 17 | 6 38.52 | +20 26.6 | 1.881 | 2.846 | 4.8 | 20.7 |
| 12 27 | 6 28.48 | +20 47.6 | 1.882 | 2.865 | 1.0 | 20.4 |
| 1 6 | 6 18.50 | +21 8.3 | 1.913 | 2.884 | 3.9 | 20.7 |
| 1 16 | 6 9.65 | +21 27.8 | 1.974 | 2.902 | 7.8 | 20.9 |
| 1 26 | 6 2.81 | +21 45.8 | 2.061 | 2.920 | 11.2 | 21.2 |
| 2 5 | 5 58.49 | +22 2.4 | 2.170 | 2.938 | 14.1 | 21.4 |

**314944** 2006 $WA_{103}$ 12 27.9 97.°72 1.°6/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.87 | +25 59.8 | 1.913 | 2.763 | 12.5 | 20.9 |
| 12 7 | 6 47.38 | +26 37.2 | 1.846 | 2.767 | 8.9 | 20.6 |
| 12 17 | 6 38.61 | +27 14.1 | 1.805 | 2.770 | 4.9 | 20.4 |
| 12 27 | 6 28.50 | +27 46.7 | 1.792 | 2.774 | 1.6 | 20.2 |
| 1 6 | 6 18.24 | +28 12.2 | 1.809 | 2.777 | 4.4 | 20.4 |
| 1 16 | 6 9.06 | +28 29.4 | 1.854 | 2.781 | 8.4 | 20.6 |
| 1 26 | 6 2.00 | +28 39.3 | 1.926 | 2.784 | 12.0 | 20.9 |
| 2 5 | 5 57.68 | +28 43.7 | 2.019 | 2.787 | 15.0 | 21.1 |

**167215** 2003 $UC_{23}$ 12 27.9 41.°15 2.°9/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.59 | +28 52.4 | 1.259 | 2.125 | 16.6 | 19.6 |
| 12 7 | 6 49.78 | +29 18.0 | 1.222 | 2.149 | 11.8 | 19.4 |
| 12 17 | 6 39.95 | +29 38.0 | 1.207 | 2.173 | 6.7 | 19.2 |
| 12 27 | 6 28.61 | +29 47.5 | 1.218 | 2.198 | 2.9 | 19.0 |
| 1 6 | 6 17.58 | +29 44.7 | 1.255 | 2.223 | 5.9 | 19.3 |
| 1 16 | 6 8.50 | +29 31.0 | 1.317 | 2.249 | 10.5 | 19.6 |
| 1 26 | 6 2.56 | +29 10.1 | 1.403 | 2.276 | 14.7 | 19.9 |
| 2 5 | 6 0.21 | +28 46.0 | 1.508 | 2.303 | 18.0 | 20.2 |

**339067** 2004 $PP_{91}$ 12 27.9 77.°60 3.°4/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 59.01 | +31 10.8 | 1.513 | 2.365 | 15.1 | 20.3 |
| 12 7 | 6 51.30 | +31 31.8 | 1.464 | 2.383 | 10.9 | 20.1 |
| 12 17 | 6 40.74 | +31 45.1 | 1.438 | 2.400 | 6.5 | 19.9 |
| 12 27 | 6 28.69 | +31 46.0 | 1.440 | 2.417 | 3.5 | 19.7 |
| 1 6 | 6 16.82 | +31 33.1 | 1.469 | 2.434 | 5.8 | 19.9 |
| 1 16 | 6 6.69 | +31 8.0 | 1.526 | 2.451 | 9.9 | 20.2 |
| 1 26 | 5 59.48 | +30 35.3 | 1.607 | 2.468 | 13.8 | 20.5 |
| 2 5 | 5 55.72 | +29 59.5 | 1.708 | 2.484 | 17.0 | 20.7 |

**450162** 2001 $KJ_{33}$ 12 27.9 144.°26 5.°8/27.9 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.52 | + 4 49.1 | 2.732 | 3.522 | 10.9 | 21.5 |
| 12 7 | 6 47.01 | + 3 41.2 | 2.670 | 3.537 | 8.7 | 21.4 |
| 12 17 | 6 38.11 | + 2 43.4 | 2.635 | 3.551 | 6.7 | 21.3 |
| 12 27 | 6 28.48 | + 1 58.3 | 2.631 | 3.564 | 5.8 | 21.2 |
| 1 6 | 6 18.90 | + 1 27.3 | 2.657 | 3.577 | 6.5 | 21.3 |
| 1 16 | 6 10.09 | + 1 10.8 | 2.714 | 3.589 | 8.3 | 21.4 |
| 1 26 | 6 2.71 | + 1 7.6 | 2.797 | 3.600 | 10.3 | 21.6 |
| 2 5 | 5 57.18 | + 1 15.4 | 2.904 | 3.610 | 12.2 | 21.7 |

**418823** 2008 $VX_{76}$ 12 27.9 130.°78 3.°1/27.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.37 | +31 44.2 | 2.596 | 3.432 | 10.1 | 21.7 |
| 12 7 | 6 46.67 | +32 40.5 | 2.531 | 3.440 | 7.4 | 21.5 |
| 12 17 | 6 38.13 | +33 32.5 | 2.493 | 3.448 | 4.6 | 21.4 |
| 12 27 | 6 28.49 | +34 16.4 | 2.485 | 3.455 | 3.1 | 21.3 |
| 1 6 | 6 18.71 | +34 49.4 | 2.507 | 3.462 | 4.6 | 21.4 |
| 1 16 | 6 9.74 | +35 10.7 | 2.560 | 3.469 | 7.2 | 21.6 |
| 1 26 | 6 2.43 | +35 21.4 | 2.640 | 3.476 | 9.8 | 21.8 |
| 2 5 | 5 57.37 | +35 23.9 | 2.743 | 3.482 | 12.1 | 21.9 |

**59099** 1998 $WS_{10}$ 12 27.9 29.°96 2.°0/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.74 | +26 21.2 | 1.287 | 2.157 | 16.1 | 17.8 |
| 12 7 | 6 47.84 | +26 51.4 | 1.242 | 2.172 | 11.4 | 17.6 |
| 12 17 | 6 39.00 | +27 19.8 | 1.220 | 2.187 | 6.3 | 17.3 |
| 12 27 | 6 28.56 | +27 41.9 | 1.222 | 2.204 | 2.0 | 17.1 |
| 1 6 | 6 18.22 | +27 54.7 | 1.251 | 2.221 | 5.5 | 17.4 |
| 1 16 | 6 9.60 | +27 58.2 | 1.305 | 2.240 | 10.3 | 17.7 |
| 1 26 | 6 3.90 | +27 54.5 | 1.383 | 2.259 | 14.6 | 18.0 |
| 2 5 | 6 1.69 | +27 46.4 | 1.480 | 2.279 | 18.1 | 18.3 |

**106951** 2000 $YQ_{77}$ 12 27.9 6.°86 3.°6/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.30 | +16 30.7 | 1.114 | 1.985 | 18.0 | 19.0 |
| 12 7 | 6 47.85 | +16 9.1 | 1.057 | 1.985 | 13.2 | 18.7 |
| 12 17 | 6 39.18 | +15 57.4 | 1.021 | 1.985 | 7.8 | 18.4 |
| 12 27 | 6 28.59 | +15 56.0 | 1.008 | 1.987 | 3.7 | 18.2 |
| 1 6 | 6 17.87 | +16 4.2 | 1.020 | 1.989 | 6.6 | 18.3 |
| 1 16 | 6 8.81 | +16 20.7 | 1.055 | 1.992 | 11.9 | 18.6 |
| 1 26 | 6 2.81 | +16 43.8 | 1.113 | 1.996 | 16.8 | 18.9 |
| 2 5 | 6 0.59 | +17 11.0 | 1.188 | 2.001 | 20.9 | 19.2 |

**56541** 2000 $HR_{61}$ 12 27.9 153.°58 1.°3/28.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.82 | +19 18.0 | 1.814 | 2.659 | 13.3 | 20.3 |
| 12 7 | 6 48.70 | +19 23.2 | 1.748 | 2.665 | 9.6 | 20.1 |
| 12 17 | 6 39.30 | +19 32.5 | 1.707 | 2.671 | 5.3 | 19.8 |
| 12 27 | 6 28.60 | +19 44.6 | 1.695 | 2.677 | 1.4 | 19.6 |
| 1 6 | 6 17.83 | +19 57.9 | 1.712 | 2.682 | 4.3 | 19.8 |
| 1 16 | 6 8.20 | +20 11.5 | 1.758 | 2.686 | 8.6 | 20.1 |
| 1 26 | 6 0.75 | +20 25.3 | 1.830 | 2.690 | 12.4 | 20.3 |
| 2 5 | 5 56.07 | +20 39.2 | 1.924 | 2.693 | 15.6 | 20.5 |

**195771** 2002 $PK_{131}$ 12 27.9 166.°69 2.°0/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.50 | +17 53.2 | 2.617 | 3.452 | 10.1 | 20.1 |
| 12 7 | 6 45.07 | +17 17.4 | 2.544 | 3.454 | 7.3 | 19.9 |
| 12 17 | 6 37.15 | +16 44.0 | 2.497 | 3.457 | 4.3 | 19.8 |
| 12 27 | 6 28.41 | +16 13.5 | 2.481 | 3.459 | 2.0 | 19.6 |
| 1 6 | 6 19.67 | +15 46.8 | 2.496 | 3.461 | 3.7 | 19.7 |
| 1 16 | 6 11.69 | +15 24.5 | 2.542 | 3.462 | 6.7 | 19.9 |
| 1 26 | 6 5.17 | +15 7.1 | 2.615 | 3.464 | 9.5 | 20.1 |
| 2 5 | 6 0.56 | +14 54.5 | 2.712 | 3.465 | 11.9 | 20.3 |

**449959** 2015 $PS_2$ 12 27.9 80.°43 3.°5/28.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.42 | +11 43.1 | 1.716 | 2.552 | 14.4 | 20.9 |
| 12 7 | 6 47.64 | +12 12.1 | 1.663 | 2.571 | 10.6 | 20.7 |
| 12 17 | 6 38.69 | +12 53.9 | 1.635 | 2.591 | 6.6 | 20.5 |
| 12 27 | 6 28.55 | +13 46.6 | 1.635 | 2.610 | 3.6 | 20.4 |
| 1 6 | 6 18.42 | +14 46.8 | 1.664 | 2.629 | 5.2 | 20.5 |
| 1 16 | 6 9.48 | +15 50.6 | 1.721 | 2.647 | 8.9 | 20.8 |
| 1 26 | 6 2.71 | +16 54.7 | 1.805 | 2.666 | 12.5 | 21.1 |
| 2 5 | 5 58.64 | +17 56.5 | 1.910 | 2.684 | 15.5 | 21.3 |

**89286** 2001 $VH_{18}$ 12 27.9 175.°53 1.°5/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.66 | +19 29.2 | 2.030 | 2.875 | 12.1 | 19.7 |
| 12 7 | 6 46.30 | +19 17.4 | 1.959 | 2.876 | 8.7 | 19.4 |
| 12 17 | 6 37.96 | +19 8.5 | 1.913 | 2.876 | 4.9 | 19.2 |
| 12 27 | 6 28.49 | +19 2.1 | 1.895 | 2.877 | 1.5 | 19.0 |
| 1 6 | 6 18.93 | +18 57.8 | 1.908 | 2.877 | 4.1 | 19.2 |
| 1 16 | 6 10.35 | +18 55.6 | 1.949 | 2.877 | 7.9 | 19.4 |
| 1 26 | 6 3.63 | +18 55.6 | 2.017 | 2.877 | 11.4 | 19.6 |
| 2 5 | 5 59.36 | +18 57.8 | 2.107 | 2.877 | 14.4 | 19.8 |

**386036** 2007 $EF_{46}$ 12 27.9 192.°97 2.°0/28.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.18 | +17 35.7 | 1.940 | 2.781 | 12.8 | 22.0 |
| 12 7 | 6 48.20 | +17 32.5 | 1.865 | 2.779 | 9.3 | 21.8 |
| 12 17 | 6 39.04 | +17 34.6 | 1.815 | 2.777 | 5.3 | 21.5 |
| 12 27 | 6 28.59 | +17 41.1 | 1.794 | 2.774 | 2.0 | 21.3 |
| 1 6 | 6 17.99 | +17 50.9 | 1.803 | 2.771 | 4.4 | 21.5 |
| 1 16 | 6 8.38 | +18 3.4 | 1.841 | 2.767 | 8.4 | 21.7 |
| 1 26 | 6 0.76 | +18 18.0 | 1.905 | 2.763 | 12.1 | 21.9 |
| 2 5 | 5 55.76 | +18 34.3 | 1.992 | 2.757 | 15.2 | 22.1 |

**487042** 2014 $OM_{46}$ 12 27.9 36.°10 0.°4/27.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.08 | +23 45.4 | 1.756 | 2.610 | 13.2 | 22.0 |
| 12 7 | 6 46.89 | +23 57.4 | 1.691 | 2.614 | 9.4 | 21.8 |
| 12 17 | 6 38.37 | +24 9.9 | 1.652 | 2.619 | 5.1 | 21.5 |
| 12 27 | 6 28.53 | +24 20.6 | 1.640 | 2.623 | 0.6 | 21.2 |
| 1 6 | 6 18.62 | +24 27.9 | 1.657 | 2.628 | 4.2 | 21.5 |
| 1 16 | 6 9.88 | +24 31.3 | 1.702 | 2.633 | 8.6 | 21.7 |
| 1 26 | 6 3.35 | +24 31.7 | 1.772 | 2.638 | 12.4 | 22.0 |
| 2 5 | 5 59.64 | +24 30.4 | 1.864 | 2.644 | 15.6 | 22.2 |

**289847** 2005 $LF_{48}$ 12 27.9 262.°62 3.°9/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.75 | +31 38.0 | 2.046 | 2.887 | 12.2 | 20.8 |
| 12 7 | 6 49.78 | +32 43.3 | 1.955 | 2.867 | 9.0 | 20.6 |
| 12 17 | 6 40.15 | +33 45.8 | 1.891 | 2.847 | 5.8 | 20.3 |
| 12 27 | 6 28.71 | +34 39.3 | 1.855 | 2.826 | 3.9 | 20.2 |
| 1 6 | 6 16.71 | +35 19.2 | 1.849 | 2.805 | 5.9 | 20.2 |
| 1 16 | 6 5.54 | +35 43.3 | 1.872 | 2.783 | 9.3 | 20.4 |
| 1 26 | 5 56.51 | +35 53.2 | 1.921 | 2.761 | 12.8 | 20.6 |
| 2 5 | 5 50.48 | +35 52.2 | 1.991 | 2.738 | 15.8 | 20.7 |

**246122** 2007 $JV_{12}$ 12 27.9 79.°69 2.°8/28.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.75 | +13 23.6 | 2.187 | 3.021 | 11.8 | 19.8 |
| 12 7 | 6 44.77 | +13 39.1 | 2.126 | 3.034 | 8.6 | 19.6 |
| 12 17 | 6 37.07 | +14 3.2 | 2.090 | 3.047 | 5.3 | 19.5 |
| 12 27 | 6 28.42 | +14 35.0 | 2.084 | 3.059 | 2.8 | 19.3 |
| 1 6 | 6 19.74 | +15 12.7 | 2.107 | 3.072 | 4.3 | 19.4 |
| 1 16 | 6 11.92 | +15 54.1 | 2.160 | 3.084 | 7.5 | 19.7 |
| 1 26 | 6 5.75 | +16 37.4 | 2.240 | 3.097 | 10.5 | 19.9 |
| 2 5 | 6 1.74 | +17 20.8 | 2.342 | 3.109 | 13.2 | 20.1 |

**180830** 2005 $GT_{43}$ 12 27.9 264.°22 5.°1/27.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 59.36 | +33 23.7 | 1.418 | 2.272 | 15.8 | 20.6 |
| 12 7 | 6 52.24 | +34 8.9 | 1.348 | 2.266 | 11.8 | 20.3 |
| 12 17 | 6 41.64 | +34 45.7 | 1.302 | 2.259 | 7.6 | 20.1 |
| 12 27 | 6 28.84 | +35 6.7 | 1.281 | 2.252 | 5.1 | 19.9 |
| 1 6 | 6 15.70 | +35 7.5 | 1.286 | 2.245 | 7.3 | 20.0 |
| 1 16 | 6 4.20 | +34 48.7 | 1.318 | 2.238 | 11.6 | 20.3 |
| 1 26 | 5 55.92 | +34 15.4 | 1.373 | 2.231 | 15.8 | 20.5 |
| 2 5 | 5 51.66 | +33 34.3 | 1.447 | 2.225 | 19.4 | 20.7 |

**431787** 2008 $PG_4$ 12 27.9 88.°20 0.°5/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.82 | +19 55.2 | 2.194 | 3.037 | 11.4 | 20.7 |
| 12 7 | 6 45.60 | +20 27.2 | 2.131 | 3.048 | 8.1 | 20.5 |
| 12 17 | 6 37.56 | +21 3.2 | 2.094 | 3.059 | 4.4 | 20.3 |
| 12 27 | 6 28.47 | +21 40.8 | 2.087 | 3.070 | 0.6 | 20.1 |
| 1 6 | 6 19.32 | +22 17.6 | 2.111 | 3.081 | 3.5 | 20.3 |
| 1 16 | 6 11.05 | +22 51.9 | 2.163 | 3.092 | 7.2 | 20.6 |
| 1 26 | 6 4.52 | +23 23.0 | 2.244 | 3.102 | 10.5 | 20.8 |
| 2 5 | 6 0.26 | +23 50.9 | 2.347 | 3.113 | 13.2 | 21.0 |

**305135** 2007 $VB_{155}$ 12 27.9 162.°08 1.°5/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.91 | +27 27.2 | 2.171 | 3.012 | 11.6 | 21.4 |
| 12 7 | 6 48.57 | +27 40.5 | 2.102 | 3.018 | 8.3 | 21.2 |
| 12 17 | 6 39.18 | +27 50.8 | 2.059 | 3.023 | 4.6 | 21.0 |
| 12 27 | 6 28.62 | +27 55.5 | 2.046 | 3.027 | 1.5 | 20.8 |
| 1 6 | 6 18.01 | +27 53.3 | 2.064 | 3.031 | 4.0 | 20.9 |
| 1 16 | 6 8.45 | +27 44.4 | 2.111 | 3.035 | 7.7 | 21.2 |
| 1 26 | 6 0.87 | +27 30.5 | 2.185 | 3.038 | 11.0 | 21.4 |
| 2 5 | 5 55.83 | +27 14.1 | 2.282 | 3.040 | 13.8 | 21.6 |

**350616** 2001 $SF_{144}$ 12 27.9 112.°95 17.°5/28.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 21.52 | +57 21.0 | 1.162 | 1.949 | 22.8 | 20.4 |
| 12 7 | 7 10.65 | +59 5.1 | 1.122 | 1.957 | 20.3 | 20.2 |
| 12 17 | 6 52.40 | +60 10.5 | 1.099 | 1.964 | 18.4 | 20.1 |
| 12 27 | 6 29.75 | +60 18.5 | 1.094 | 1.971 | 17.5 | 20.1 |
| 1 6 | 6 7.61 | +59 22.5 | 1.110 | 1.977 | 18.0 | 20.1 |
| 1 16 | 5 50.44 | +57 31.9 | 1.145 | 1.984 | 19.6 | 20.3 |
| 1 26 | 5 40.52 | +55 6.4 | 1.198 | 1.990 | 21.8 | 20.4 |
| 2 5 | 5 37.77 | +52 26.0 | 1.267 | 1.996 | 24.1 | 20.6 |

**487926** 2015 $TV_{206}$ 12 27.9 51.°37 1.°9/27.8 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.67 | +27 19.7 | 1.666 | 2.522 | 13.8 | 21.2 |
| 12 7 | 6 48.12 | +27 39.3 | 1.607 | 2.530 | 9.8 | 21.0 |
| 12 17 | 6 39.07 | +27 56.1 | 1.573 | 2.539 | 5.5 | 20.8 |
| 12 27 | 6 28.61 | +28 6.5 | 1.567 | 2.548 | 1.9 | 20.5 |
| 1 6 | 6 18.15 | +28 8.7 | 1.588 | 2.557 | 4.8 | 20.8 |
| 1 16 | 6 9.03 | +28 2.9 | 1.637 | 2.566 | 9.0 | 21.0 |
| 1 26 | 6 2.35 | +27 51.3 | 1.711 | 2.576 | 12.9 | 21.3 |
| 2 5 | 5 58.71 | +27 36.4 | 1.806 | 2.586 | 16.1 | 21.5 |

**250477** 2004 $DB_9$ 12 27.9 302.°51 3.°3/28.5 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.69 | +13 34.6 | 1.740 | 2.584 | 13.8 | 20.4 |
| 12 7 | 6 46.00 | +13 44.2 | 1.662 | 2.575 | 10.3 | 20.1 |
| 12 17 | 6 37.99 | +14 4.9 | 1.608 | 2.566 | 6.3 | 19.9 |
| 12 27 | 6 28.54 | +14 35.9 | 1.580 | 2.557 | 3.4 | 19.7 |
| 1 6 | 6 18.81 | +15 15.5 | 1.582 | 2.548 | 5.2 | 19.8 |
| 1 16 | 6 10.01 | +16 1.0 | 1.611 | 2.539 | 9.2 | 20.0 |
| 1 26 | 6 3.24 | +16 49.8 | 1.665 | 2.530 | 13.1 | 20.2 |
| 2 5 | 5 59.20 | +17 39.5 | 1.741 | 2.522 | 16.5 | 20.4 |

**32689** 4043 $T_{-1}$ 12 27.9 209.°33 2.°6/27.6 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.18 | +29 32.3 | 1.967 | 2.808 | 12.6 | 19.7 |
| 12 7 | 6 50.57 | +30 2.5 | 1.888 | 2.802 | 9.1 | 19.4 |
| 12 17 | 6 40.44 | +30 28.7 | 1.834 | 2.796 | 5.4 | 19.2 |
| 12 27 | 6 28.76 | +30 46.5 | 1.810 | 2.788 | 2.7 | 19.0 |
| 1 6 | 6 16.83 | +30 53.3 | 1.816 | 2.780 | 4.9 | 19.1 |
| 1 16 | 6 5.99 | +30 49.0 | 1.851 | 2.771 | 8.8 | 19.3 |
| 1 26 | 5 57.42 | +30 35.9 | 1.912 | 2.761 | 12.4 | 19.6 |
| 2 5 | 5 51.81 | +30 17.5 | 1.994 | 2.751 | 15.5 | 19.7 |

**71155** 1999 $XP_{193}$ 12 27.9 58.°28 4.°9/26.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.70 | +30 47.3 | 1.497 | 2.351 | 15.1 | 17.6 |
| 12 7 | 6 51.36 | +32 25.2 | 1.454 | 2.372 | 11.1 | 17.4 |
| 12 17 | 6 40.97 | +33 57.6 | 1.435 | 2.393 | 7.0 | 17.2 |
| 12 27 | 6 28.80 | +35 15.5 | 1.443 | 2.414 | 4.9 | 17.1 |
| 1 6 | 6 16.58 | +36 12.9 | 1.480 | 2.435 | 7.0 | 17.3 |
| 1 16 | 6 5.98 | +36 48.5 | 1.543 | 2.457 | 10.7 | 17.6 |
| 1 26 | 5 58.34 | +37 5.3 | 1.631 | 2.479 | 14.3 | 17.8 |
| 2 5 | 5 54.33 | +37 8.6 | 1.738 | 2.500 | 17.2 | 18.1 |

**411373** 2010 $VS_{47}$ 12 27.9 129.°63 2.°1/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.76 | +18 11.0 | 2.137 | 2.978 | 11.7 | 21.1 |
| 12 7 | 6 46.23 | +17 39.6 | 2.069 | 2.983 | 8.5 | 20.9 |
| 12 17 | 6 37.88 | +17 11.3 | 2.027 | 2.988 | 4.9 | 20.7 |
| 12 27 | 6 28.54 | +16 46.5 | 2.014 | 2.993 | 2.2 | 20.6 |
| 1 6 | 6 19.18 | +16 25.9 | 2.031 | 2.998 | 4.2 | 20.7 |
| 1 16 | 6 10.79 | +16 10.0 | 2.078 | 3.002 | 7.7 | 20.9 |
| 1 26 | 6 4.19 | +15 59.2 | 2.151 | 3.007 | 11.0 | 21.1 |
| 2 5 | 5 59.87 | +15 53.2 | 2.247 | 3.011 | 13.8 | 21.3 |

**22901** Ivanbella 12 27.9 39.°64 4.°1/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.89 | +14 22.2 | 1.416 | 2.270 | 15.8 | 17.1 |
| 12 7 | 6 46.91 | +13 56.8 | 1.364 | 2.281 | 11.6 | 16.9 |
| 12 17 | 6 38.43 | +13 41.7 | 1.334 | 2.293 | 7.2 | 16.7 |
| 12 27 | 6 28.58 | +13 37.6 | 1.330 | 2.305 | 4.2 | 16.5 |
| 1 6 | 6 18.78 | +13 44.2 | 1.353 | 2.318 | 6.1 | 16.7 |
| 1 16 | 6 10.37 | +14 0.1 | 1.402 | 2.331 | 10.3 | 16.9 |
| 1 26 | 6 4.45 | +14 23.4 | 1.474 | 2.344 | 14.2 | 17.2 |
| 2 5 | 6 1.57 | +14 51.6 | 1.567 | 2.358 | 17.6 | 17.5 |

**328476** 2009 $HD_9$ 12 27.9 187.°47 0.°0/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 58.73 | +22 48.8 | 1.732 | 2.578 | 13.8 | 22.2 |
| 12 7 | 6 50.99 | +22 55.5 | 1.659 | 2.578 | 9.9 | 22.0 |
| 12 17 | 6 40.66 | +23 3.0 | 1.611 | 2.577 | 5.4 | 21.7 |
| 12 27 | 6 28.79 | +23 9.1 | 1.592 | 2.575 | 0.5 | 21.4 |
| 1 6 | 6 16.74 | +23 11.9 | 1.602 | 2.573 | 4.5 | 21.7 |
| 1 16 | 6 5.94 | +23 11.5 | 1.642 | 2.570 | 9.1 | 21.9 |
| 1 26 | 5 57.55 | +23 9.0 | 1.707 | 2.566 | 13.2 | 22.2 |
| 2 5 | 5 52.25 | +23 5.9 | 1.793 | 2.561 | 16.6 | 22.4 |

**452624** 2005 $SW_{100}$ 12 27.9 4.°08 2.°0/28.0 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.48 | +19 21.9 | 1.613 | 2.471 | 14.0 | 21.0 |
| 12 7 | 6 45.85 | +18 58.0 | 1.548 | 2.471 | 10.1 | 20.8 |
| 12 17 | 6 37.87 | +18 37.9 | 1.506 | 2.471 | 5.7 | 20.5 |
| 12 27 | 6 28.54 | +18 21.5 | 1.491 | 2.472 | 2.0 | 20.3 |
| 1 6 | 6 19.14 | +18 9.0 | 1.504 | 2.474 | 4.8 | 20.5 |
| 1 16 | 6 10.93 | +18 0.8 | 1.544 | 2.476 | 9.2 | 20.7 |
| 1 26 | 6 4.97 | +17 56.9 | 1.608 | 2.479 | 13.2 | 21.0 |
| 2 5 | 6 1.85 | +17 57.3 | 1.693 | 2.482 | 16.6 | 21.2 |

**448554** 2010 $RM_{102}$ 12 27.9 108.°52 1.°4/28.1 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.16 | +19 25.4 | 2.015 | 2.859 | 12.2 | 21.9 |
| 12 7 | 6 46.61 | +19 19.4 | 1.952 | 2.869 | 8.7 | 21.7 |
| 12 17 | 6 38.12 | +19 16.7 | 1.916 | 2.879 | 4.8 | 21.5 |
| 12 27 | 6 28.56 | +19 16.6 | 1.907 | 2.889 | 1.4 | 21.3 |
| 1 6 | 6 19.00 | +19 18.3 | 1.929 | 2.899 | 4.0 | 21.5 |
| 1 16 | 6 10.48 | +19 21.5 | 1.980 | 2.908 | 7.8 | 21.8 |
| 1 26 | 6 3.86 | +19 26.2 | 2.057 | 2.917 | 11.2 | 22.0 |
| 2 5 | 5 59.67 | +19 32.4 | 2.157 | 2.926 | 14.1 | 22.2 |

**196121** 2002 $TW_{185}$ 12 27.9 34.°58 5.°8/28.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.65 | + 8 20.4 | 1.923 | 2.752 | 13.3 | 19.0 |
| 12 7 | 6 44.10 | + 7 32.0 | 1.867 | 2.763 | 10.3 | 18.8 |
| 12 17 | 6 36.75 | + 6 55.7 | 1.836 | 2.775 | 7.5 | 18.7 |
| 12 27 | 6 28.44 | + 6 34.0 | 1.831 | 2.787 | 5.9 | 18.6 |
| 1 6 | 6 20.16 | + 6 27.5 | 1.854 | 2.799 | 6.8 | 18.7 |
| 1 16 | 6 12.85 | + 6 35.6 | 1.904 | 2.812 | 9.4 | 18.9 |
| 1 26 | 6 7.33 | + 6 55.9 | 1.980 | 2.826 | 12.2 | 19.1 |
| 2 5 | 6 4.09 | + 7 25.4 | 2.076 | 2.839 | 14.8 | 19.3 |

**311759** 2006 $TQ_{94}$ 12 27.9 350.°18 1.°3/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.42 | +24 31.1 | 1.432 | 2.300 | 14.9 | 20.3 |
| 12 7 | 6 46.29 | +25 5.5 | 1.364 | 2.293 | 10.7 | 20.0 |
| 12 17 | 6 38.33 | +25 41.9 | 1.319 | 2.287 | 5.8 | 19.8 |
| 12 27 | 6 28.59 | +26 16.0 | 1.299 | 2.282 | 1.4 | 19.4 |
| 1 6 | 6 18.58 | +26 44.1 | 1.307 | 2.278 | 5.1 | 19.7 |
| 1 16 | 6 9.85 | +27 4.5 | 1.340 | 2.275 | 10.1 | 20.0 |
| 1 26 | 6 3.71 | +27 17.6 | 1.397 | 2.273 | 14.5 | 20.2 |
| 2 5 | 6 0.94 | +27 25.1 | 1.474 | 2.272 | 18.2 | 20.5 |

**293944** 2007 $TQ_{18}$ 12 27.9 35.°55 0.°3/27.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.84 | +22 29.6 | 1.442 | 2.304 | 15.1 | 20.9 |
| 12 7 | 6 47.70 | +22 31.6 | 1.387 | 2.313 | 10.7 | 20.7 |
| 12 17 | 6 38.90 | +22 35.5 | 1.355 | 2.323 | 5.8 | 20.5 |
| 12 27 | 6 28.64 | +22 39.1 | 1.350 | 2.333 | 0.6 | 20.1 |
| 1 6 | 6 18.40 | +22 41.1 | 1.372 | 2.344 | 4.7 | 20.4 |
| 1 16 | 6 9.62 | +22 41.4 | 1.421 | 2.355 | 9.6 | 20.8 |
| 1 26 | 6 3.45 | +22 40.6 | 1.493 | 2.367 | 13.9 | 21.0 |
| 2 5 | 6 0.47 | +22 39.9 | 1.586 | 2.379 | 17.3 | 21.3 |

**464472** 2016 $BF_{48}$ 12 27.9 14.°65 4.°1/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.86 | +34 23.3 | 1.937 | 2.782 | 12.6 | 20.6 |
| 12 7 | 6 47.47 | +34 46.1 | 1.873 | 2.785 | 9.4 | 20.4 |
| 12 17 | 6 38.71 | +35 0.3 | 1.833 | 2.787 | 6.1 | 20.2 |
| 12 27 | 6 28.63 | +35 1.9 | 1.821 | 2.790 | 4.1 | 20.1 |
| 1 6 | 6 18.50 | +34 49.4 | 1.837 | 2.794 | 5.7 | 20.2 |
| 1 16 | 6 9.61 | +34 23.8 | 1.880 | 2.798 | 8.9 | 20.4 |
| 1 26 | 6 2.99 | +33 48.6 | 1.950 | 2.802 | 12.1 | 20.6 |
| 2 5 | 5 59.24 | +33 7.9 | 2.041 | 2.807 | 14.9 | 20.8 |

**40524** 1999 $RA_{96}$ 12 27.9 207.°05 1.°4/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.08 | +18 29.8 | 1.941 | 2.785 | 12.6 | 19.3 |
| 12 7 | 6 47.50 | +18 40.3 | 1.865 | 2.781 | 9.1 | 19.1 |
| 12 17 | 6 38.73 | +18 56.1 | 1.814 | 2.777 | 5.1 | 18.8 |
| 12 27 | 6 28.64 | +19 15.5 | 1.791 | 2.773 | 1.5 | 18.6 |
| 1 6 | 6 18.35 | +19 36.9 | 1.799 | 2.769 | 4.2 | 18.8 |
| 1 16 | 6 9.02 | +19 59.0 | 1.835 | 2.764 | 8.3 | 19.0 |
| 1 26 | 6 1.65 | +20 21.1 | 1.898 | 2.758 | 12.0 | 19.2 |
| 2 5 | 5 56.88 | +20 42.9 | 1.983 | 2.752 | 15.2 | 19.4 |

**520437** 2014 $KF_{16}$ 12 27.9 172.°29 0.°0/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.40 | +22 11.2 | 2.069 | 2.914 | 11.9 | 22.2 |
| 12 7 | 6 47.60 | +22 32.4 | 1.998 | 2.916 | 8.5 | 22.0 |
| 12 17 | 6 38.73 | +22 55.6 | 1.953 | 2.918 | 4.6 | 21.8 |
| 12 27 | 6 28.64 | +23 18.4 | 1.936 | 2.920 | 0.4 | 21.4 |
| 1 6 | 6 18.41 | +23 38.8 | 1.950 | 2.921 | 3.8 | 21.7 |
| 1 16 | 6 9.14 | +23 55.8 | 1.994 | 2.922 | 7.8 | 22.0 |
| 1 26 | 6 1.79 | +24 9.5 | 2.064 | 2.922 | 11.3 | 22.2 |
| 2 5 | 5 56.96 | +24 20.7 | 2.157 | 2.922 | 14.2 | 22.4 |

**329475** 2002 $QV_{72}$ 12 27.9 165.°93 4.°6/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.97 | +40 42.4 | 2.991 | 3.802 | 9.6 | 22.4 |
| 12 7 | 6 48.37 | +41 8.8 | 2.923 | 3.807 | 7.5 | 22.3 |
| 12 17 | 6 39.01 | +41 25.1 | 2.881 | 3.812 | 5.5 | 22.2 |
| 12 27 | 6 28.66 | +41 28.1 | 2.869 | 3.816 | 4.6 | 22.1 |
| 1 6 | 6 18.30 | +41 16.6 | 2.887 | 3.819 | 5.4 | 22.2 |
| 1 16 | 6 8.86 | +40 51.3 | 2.934 | 3.822 | 7.3 | 22.3 |
| 1 26 | 6 1.16 | +40 15.1 | 3.009 | 3.825 | 9.3 | 22.4 |
| 2 5 | 5 55.70 | +39 31.7 | 3.107 | 3.827 | 11.2 | 22.6 |

**479426** 2013 $YK_{84}$ 12 27.9 59.°66 0.°7/27.9 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.21 | +23 0.9 | 1.330 | 2.192 | 16.2 | 21.2 |
| 12 7 | 6 50.15 | +22 36.3 | 1.278 | 2.204 | 11.5 | 21.0 |
| 12 17 | 6 40.22 | +22 11.8 | 1.249 | 2.216 | 6.2 | 20.7 |
| 12 27 | 6 28.77 | +21 46.4 | 1.246 | 2.229 | 0.9 | 20.4 |
| 1 6 | 6 17.47 | +21 20.6 | 1.270 | 2.242 | 5.1 | 20.7 |
| 1 16 | 6 7.90 | +20 56.0 | 1.320 | 2.255 | 10.2 | 21.0 |
| 1 26 | 6 1.23 | +20 34.6 | 1.395 | 2.268 | 14.7 | 21.3 |
| 2 5 | 5 58.03 | +20 17.6 | 1.489 | 2.281 | 18.3 | 21.6 |

**418830** 2008 $WJ_5$ 12 27.9 325.°10 6.°7/26.1 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.41 | +38 14.5 | 1.930 | 2.769 | 12.9 | 20.9 |
| 12 7 | 6 48.41 | +39 40.7 | 1.852 | 2.753 | 10.1 | 20.7 |
| 12 17 | 6 39.54 | +40 59.0 | 1.798 | 2.737 | 7.6 | 20.5 |
| 12 27 | 6 28.74 | +42 1.7 | 1.772 | 2.721 | 6.7 | 20.4 |
| 1 6 | 6 17.38 | +42 43.3 | 1.773 | 2.707 | 8.1 | 20.5 |
| 1 16 | 6 7.02 | +43 2.0 | 1.801 | 2.692 | 10.8 | 20.6 |
| 1 26 | 5 59.08 | +43 0.4 | 1.852 | 2.678 | 13.8 | 20.8 |
| 2 5 | 5 54.45 | +42 43.7 | 1.923 | 2.665 | 16.5 | 20.9 |

**165120** 2000 $JZ_{71}$ 12 27.9 174.°38 0.°6/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.76 | +24 34.2 | 2.810 | 3.650 | 9.3 | 20.7 |
| 12 7 | 6 44.65 | +24 55.3 | 2.736 | 3.652 | 6.6 | 20.5 |
| 12 17 | 6 37.02 | +25 16.2 | 2.688 | 3.653 | 3.6 | 20.3 |
| 12 27 | 6 28.51 | +25 35.2 | 2.671 | 3.654 | 0.7 | 20.1 |
| 1 6 | 6 19.90 | +25 50.8 | 2.686 | 3.655 | 3.0 | 20.3 |
| 1 16 | 6 11.98 | +26 2.4 | 2.731 | 3.656 | 6.1 | 20.5 |
| 1 26 | 6 5.44 | +26 10.4 | 2.804 | 3.656 | 8.8 | 20.7 |
| 2 5 | 6 0.77 | +26 15.6 | 2.902 | 3.656 | 11.2 | 20.8 |

**71546** 2000 $DK_2$ 12 27.9 295.°89 0.°0/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.02 | +22 35.6 | 2.141 | 2.989 | 11.4 | 19.3 |
| 12 7 | 6 45.28 | +22 47.9 | 2.057 | 2.977 | 8.2 | 19.1 |
| 12 17 | 6 37.53 | +23 1.8 | 1.998 | 2.964 | 4.4 | 18.9 |
| 12 27 | 6 28.56 | +23 15.5 | 1.969 | 2.952 | 0.4 | 18.5 |
| 1 6 | 6 19.36 | +23 27.5 | 1.969 | 2.940 | 3.7 | 18.8 |
| 1 16 | 6 10.96 | +23 37.1 | 1.998 | 2.928 | 7.6 | 19.0 |
| 1 26 | 6 4.32 | +23 44.4 | 2.054 | 2.915 | 11.2 | 19.2 |
| 2 5 | 6 0.05 | +23 50.1 | 2.132 | 2.904 | 14.2 | 19.4 |

**145940** 1999 $XR_{62}$ 12 27.9 17.°78 0.°3/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.93 | +22 8.2 | 1.227 | 2.096 | 16.8 | 19.3 |
| 12 7 | 6 49.00 | +22 41.1 | 1.169 | 2.098 | 12.0 | 19.1 |
| 12 17 | 6 39.86 | +23 18.9 | 1.132 | 2.101 | 6.5 | 18.8 |
| 12 27 | 6 28.77 | +23 56.8 | 1.121 | 2.104 | 0.6 | 18.4 |
| 1 6 | 6 17.50 | +24 30.8 | 1.136 | 2.108 | 5.4 | 18.7 |
| 1 16 | 6 7.82 | +24 58.4 | 1.176 | 2.112 | 10.9 | 19.1 |
| 1 26 | 6 1.19 | +25 19.8 | 1.238 | 2.117 | 15.8 | 19.4 |
| 2 5 | 5 58.33 | +25 36.3 | 1.320 | 2.123 | 19.7 | 19.6 |

**516324** 2017 $AZ_{21}$ 12 27.9 85.°86 2.°1/28.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.12 | +15 3.6 | 2.065 | 2.903 | 12.2 | 20.6 |
| 12 7 | 6 45.89 | +15 34.2 | 2.002 | 2.914 | 8.8 | 20.4 |
| 12 17 | 6 37.78 | +16 13.2 | 1.965 | 2.925 | 5.2 | 20.2 |
| 12 27 | 6 28.59 | +16 58.6 | 1.957 | 2.936 | 2.2 | 20.0 |
| 1 6 | 6 19.32 | +17 47.7 | 1.978 | 2.946 | 4.1 | 20.2 |
| 1 16 | 6 10.96 | +18 38.1 | 2.030 | 2.957 | 7.7 | 20.4 |
| 1 26 | 6 4.39 | +19 27.6 | 2.108 | 2.968 | 11.0 | 20.7 |
| 2 5 | 6 0.15 | +20 14.9 | 2.209 | 2.978 | 13.8 | 20.9 |

**469541** 2003 $SD_{331}$ 12 27.9 115.°02 0.°7/27.8 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 0.06 | +23 11.6 | 1.585 | 2.433 | 14.7 | 22.0 |
| 12 7 | 6 51.93 | +23 49.6 | 1.533 | 2.453 | 10.4 | 21.7 |
| 12 17 | 6 41.14 | +24 29.0 | 1.506 | 2.472 | 5.6 | 21.5 |
| 12 27 | 6 28.88 | +25 5.5 | 1.507 | 2.490 | 0.8 | 21.2 |
| 1 6 | 6 16.67 | +25 35.4 | 1.538 | 2.508 | 4.7 | 21.5 |
| 1 16 | 6 5.98 | +25 57.8 | 1.597 | 2.525 | 9.3 | 21.8 |
| 1 26 | 5 57.97 | +26 13.5 | 1.681 | 2.541 | 13.3 | 22.1 |
| 2 5 | 5 53.21 | +26 24.4 | 1.786 | 2.556 | 16.6 | 22.4 |

**332784** 2009 $VR_{62}$ 12 27.9 48.°21 0.°9/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.68 | +23 51.1 | 1.191 | 2.060 | 17.2 | 20.3 |
| 12 7 | 6 50.04 | +24 17.7 | 1.149 | 2.079 | 12.2 | 20.0 |
| 12 17 | 6 40.26 | +24 45.5 | 1.129 | 2.098 | 6.5 | 19.8 |
| 12 27 | 6 28.80 | +25 10.0 | 1.134 | 2.117 | 1.0 | 19.5 |
| 1 6 | 6 17.52 | +25 27.9 | 1.165 | 2.137 | 5.4 | 19.8 |
| 1 16 | 6 8.14 | +25 38.6 | 1.222 | 2.158 | 10.7 | 20.2 |
| 1 26 | 6 1.92 | +25 43.8 | 1.301 | 2.178 | 15.2 | 20.5 |
| 2 5 | 5 59.41 | +25 45.4 | 1.399 | 2.199 | 18.9 | 20.8 |

**71461** Chowmeeyee 12 27.9 41.°10 4.°3/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.94 | +36 0.8 | 2.171 | 3.007 | 11.8 | 19.1 |
| 12 7 | 6 48.07 | +36 20.2 | 2.103 | 3.009 | 8.8 | 18.9 |
| 12 17 | 6 39.00 | +36 30.1 | 2.061 | 3.011 | 5.9 | 18.7 |
| 12 27 | 6 28.70 | +36 27.0 | 2.047 | 3.013 | 4.3 | 18.6 |
| 1 6 | 6 18.38 | +36 9.4 | 2.062 | 3.015 | 5.6 | 18.7 |
| 1 16 | 6 9.21 | +35 38.7 | 2.105 | 3.017 | 8.4 | 18.9 |
| 1 26 | 6 2.17 | +34 58.2 | 2.175 | 3.019 | 11.3 | 19.1 |
| 2 5 | 5 57.84 | +34 12.3 | 2.267 | 3.022 | 13.9 | 19.3 |

**238061** 2003 $CG_{17}$ 12 27.9 265.°94 0.°2/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.67 | +22 22.7 | 1.692 | 2.544 | 13.8 | 20.7 |
| 12 7 | 6 49.15 | +22 49.4 | 1.605 | 2.526 | 9.9 | 20.4 |
| 12 17 | 6 39.89 | +23 19.7 | 1.542 | 2.508 | 5.4 | 20.1 |
| 12 27 | 6 28.82 | +23 50.3 | 1.506 | 2.490 | 0.5 | 19.7 |
| 1 6 | 6 17.25 | +24 18.1 | 1.500 | 2.471 | 4.6 | 19.9 |
| 1 16 | 6 6.67 | +24 41.1 | 1.522 | 2.452 | 9.5 | 20.2 |
| 1 26 | 5 58.39 | +24 59.4 | 1.569 | 2.433 | 13.9 | 20.4 |
| 2 5 | 5 53.27 | +25 14.1 | 1.636 | 2.413 | 17.6 | 20.6 |

**84857** 2003 $AH_{49}$ 12 27.9 224.°00 0.°1/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.76 | +20 27.7 | 2.424 | 3.261 | 10.7 | 20.1 |
| 12 7 | 6 47.08 | +21 10.0 | 2.336 | 3.251 | 7.6 | 19.8 |
| 12 17 | 6 38.49 | +21 56.5 | 2.276 | 3.240 | 4.1 | 19.6 |
| 12 27 | 6 28.69 | +22 44.6 | 2.246 | 3.229 | 0.4 | 19.3 |
| 1 6 | 6 18.58 | +23 31.4 | 2.247 | 3.217 | 3.4 | 19.5 |
| 1 16 | 6 9.14 | +24 14.9 | 2.280 | 3.205 | 7.1 | 19.7 |
| 1 26 | 6 1.27 | +24 54.0 | 2.340 | 3.192 | 10.4 | 19.9 |
| 2 5 | 5 55.61 | +25 28.7 | 2.425 | 3.179 | 13.1 | 20.1 |

**217691** 1999 $RD_{209}$ 12 27.9 109.°37 1.°9/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 0.91 | +27 59.1 | 1.574 | 2.423 | 14.8 | 20.5 |
| 12 7 | 6 52.51 | +28 5.7 | 1.523 | 2.442 | 10.6 | 20.3 |
| 12 17 | 6 41.42 | +28 7.4 | 1.496 | 2.460 | 5.9 | 20.1 |
| 12 27 | 6 28.93 | +28 0.8 | 1.497 | 2.478 | 1.9 | 19.9 |
| 1 6 | 6 16.63 | +27 45.0 | 1.526 | 2.495 | 5.0 | 20.1 |
| 1 16 | 6 6.02 | +27 21.7 | 1.584 | 2.512 | 9.4 | 20.4 |
| 1 26 | 5 58.22 | +26 54.1 | 1.667 | 2.528 | 13.4 | 20.7 |
| 2 5 | 5 53.76 | +26 25.9 | 1.772 | 2.543 | 16.6 | 21.0 |

**15962** 1998 $CM_2$ 12 27.9 22.°41 1.°8/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.95 | +18 37.1 | 1.211 | 2.080 | 16.9 | 17.3 |
| 12 7 | 6 47.45 | +18 45.0 | 1.158 | 2.086 | 12.2 | 17.0 |
| 12 17 | 6 38.95 | +19 0.9 | 1.126 | 2.093 | 6.8 | 16.8 |
| 12 27 | 6 28.73 | +19 22.7 | 1.119 | 2.101 | 1.9 | 16.5 |
| 1 6 | 6 18.46 | +19 47.9 | 1.138 | 2.110 | 5.5 | 16.7 |
| 1 16 | 6 9.77 | +20 14.2 | 1.182 | 2.120 | 10.7 | 17.1 |
| 1 26 | 6 3.98 | +20 40.5 | 1.249 | 2.131 | 15.4 | 17.4 |
| 2 5 | 6 1.72 | +21 5.9 | 1.334 | 2.142 | 19.3 | 17.7 |

**444609** 2006 $UF_{288}$ 12 27.9 78.°28 6.°2/26.7 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 0.46 | +37 23.9 | 1.872 | 2.704 | 13.5 | 21.1 |
| 12 7 | 6 52.33 | +38 52.7 | 1.830 | 2.729 | 10.3 | 21.0 |
| 12 17 | 6 41.43 | +40 10.0 | 1.814 | 2.754 | 7.5 | 20.8 |
| 12 27 | 6 28.95 | +41 8.3 | 1.826 | 2.778 | 6.2 | 20.8 |
| 1 6 | 6 16.43 | +41 43.7 | 1.866 | 2.802 | 7.6 | 20.9 |
| 1 16 | 6 5.41 | +41 56.3 | 1.934 | 2.826 | 10.2 | 21.1 |
| 1 26 | 5 57.10 | +41 50.5 | 2.027 | 2.850 | 12.9 | 21.4 |
| 2 5 | 5 52.12 | +41 32.1 | 2.140 | 2.873 | 15.3 | 21.6 |

**442348** 2011 $ST_{212}$ 12 27.9 131.°92 4.°4/28.0 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 0.45 | +36 7.6 | 1.887 | 2.722 | 13.3 | 21.7 |
| 12 7 | 6 52.10 | +36 11.7 | 1.824 | 2.730 | 10.0 | 21.5 |
| 12 17 | 6 41.19 | +36 3.8 | 1.786 | 2.737 | 6.5 | 21.3 |
| 12 27 | 6 28.92 | +35 40.1 | 1.776 | 2.745 | 4.4 | 21.2 |
| 1 6 | 6 16.80 | +35 0.0 | 1.796 | 2.752 | 5.9 | 21.3 |
| 1 16 | 6 6.21 | +34 6.5 | 1.844 | 2.759 | 9.2 | 21.5 |
| 1 26 | 5 58.24 | +33 4.8 | 1.918 | 2.765 | 12.5 | 21.8 |
| 2 5 | 5 53.43 | +32 0.5 | 2.014 | 2.771 | 15.4 | 22.0 |

**518125** 2016 $CZ_{287}$ 12 27.9 347.°26 4.°3/28.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.30 | + 9 41.6 | 2.161 | 2.989 | 12.1 | 21.4 |
| 12 7 | 6 43.89 | + 9 39.9 | 2.088 | 2.987 | 9.2 | 21.2 |
| 12 17 | 6 36.74 | + 9 49.5 | 2.039 | 2.986 | 6.3 | 21.0 |
| 12 27 | 6 28.55 | +10 10.8 | 2.019 | 2.985 | 4.3 | 20.9 |
| 1 6 | 6 20.24 | +10 42.8 | 2.027 | 2.983 | 5.3 | 20.9 |
| 1 16 | 6 12.69 | +11 23.5 | 2.064 | 2.982 | 8.1 | 21.1 |
| 1 26 | 6 6.73 | +12 10.4 | 2.127 | 2.982 | 11.2 | 21.3 |
| 2 5 | 6 2.90 | +13 0.9 | 2.213 | 2.981 | 13.8 | 21.5 |

**493415** 2014 $WL_{216}$ 12 27.9 83.°16 5.°1/28.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.12 | + 7 52.1 | 2.256 | 3.075 | 12.0 | 21.2 |
| 12 7 | 6 44.26 | + 7 24.0 | 2.199 | 3.089 | 9.3 | 21.1 |
| 12 17 | 6 36.84 | + 7 7.1 | 2.166 | 3.103 | 6.6 | 20.9 |
| 12 27 | 6 28.56 | + 7 2.9 | 2.161 | 3.117 | 5.1 | 20.9 |
| 1 6 | 6 20.31 | + 7 11.1 | 2.185 | 3.130 | 5.9 | 20.9 |
| 1 16 | 6 12.89 | + 7 30.6 | 2.237 | 3.144 | 8.2 | 21.1 |
| 1 26 | 6 7.04 | + 7 59.5 | 2.316 | 3.158 | 10.8 | 21.3 |
| 2 5 | 6 3.20 | + 8 34.9 | 2.417 | 3.171 | 13.2 | 21.5 |

**366182** 2012 $HA_9$ 12 27.9 99.°69 0.°7/28.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.73 | +19 34.3 | 2.280 | 3.121 | 11.1 | 20.5 |
| 12 7 | 6 45.54 | +20 1.9 | 2.216 | 3.132 | 7.9 | 20.3 |
| 12 17 | 6 37.59 | +20 33.5 | 2.178 | 3.143 | 4.3 | 20.1 |
| 12 27 | 6 28.64 | +21 6.9 | 2.170 | 3.153 | 0.8 | 19.8 |
| 1 6 | 6 19.63 | +21 40.1 | 2.193 | 3.163 | 3.4 | 20.0 |
| 1 16 | 6 11.47 | +22 11.6 | 2.246 | 3.174 | 7.0 | 20.3 |
| 1 26 | 6 4.97 | +22 40.7 | 2.325 | 3.184 | 10.2 | 20.5 |
| 2 5 | 6 0.65 | +23 7.1 | 2.429 | 3.194 | 12.8 | 20.7 |

**506135** 2016 $CQ_{265}$ 12 27.9 43.°50 19.°7/29.5 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 18.98 | +58 56.3 | 0.990 | 1.789 | 25.1 | 21.3 |
| 12 7 | 7 9.67 | +60 47.1 | 0.958 | 1.797 | 22.7 | 21.2 |
| 12 17 | 6 52.19 | +61 53.4 | 0.941 | 1.806 | 20.7 | 21.1 |
| 12 27 | 6 29.92 | +61 55.3 | 0.941 | 1.816 | 19.7 | 21.1 |
| 1 6 | 6 8.51 | +60 46.9 | 0.958 | 1.826 | 20.1 | 21.1 |
| 1 16 | 5 52.81 | +58 39.6 | 0.993 | 1.837 | 21.5 | 21.3 |
| 1 26 | 5 44.96 | +55 55.6 | 1.044 | 1.848 | 23.6 | 21.4 |
| 2 5 | 5 44.51 | +52 56.1 | 1.110 | 1.860 | 25.7 | 21.7 |

**520406** 2014 $JA_{87}$ 12 27.9 322.°96 1.°6/27.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.07 | +25 3.2 | 1.509 | 2.370 | 14.6 | 20.5 |
| 12 7 | 6 48.21 | +25 44.0 | 1.436 | 2.361 | 10.5 | 20.2 |
| 12 17 | 6 39.45 | +26 26.3 | 1.386 | 2.353 | 5.8 | 19.9 |
| 12 27 | 6 28.86 | +27 5.6 | 1.364 | 2.346 | 1.7 | 19.6 |
| 1 6 | 6 17.91 | +27 37.7 | 1.368 | 2.338 | 5.2 | 19.9 |
| 1 16 | 6 8.17 | +28 0.5 | 1.400 | 2.332 | 10.0 | 20.1 |
| 1 26 | 6 1.03 | +28 14.9 | 1.455 | 2.325 | 14.4 | 20.4 |
| 2 5 | 5 57.26 | +28 22.8 | 1.531 | 2.319 | 18.1 | 20.6 |

**457387** 2008 $TV_{53}$ 12 27.9 57.°86 1.°1/28.1 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.05 | +19 26.3 | 2.100 | 2.946 | 11.7 | 21.3 |
| 12 7 | 6 45.13 | +19 32.0 | 2.040 | 2.958 | 8.3 | 21.1 |
| 12 17 | 6 37.39 | +19 41.5 | 2.005 | 2.970 | 4.6 | 20.9 |
| 12 27 | 6 28.66 | +19 53.4 | 2.000 | 2.982 | 1.2 | 20.6 |
| 1 6 | 6 19.92 | +20 6.7 | 2.024 | 2.994 | 3.7 | 20.9 |
| 1 16 | 6 12.13 | +20 20.4 | 2.077 | 3.006 | 7.4 | 21.1 |
| 1 26 | 6 6.11 | +20 34.2 | 2.156 | 3.019 | 10.7 | 21.3 |
| 2 5 | 6 2.37 | +20 48.0 | 2.259 | 3.031 | 13.4 | 21.6 |

**398925** 2013 $CP_{176}$ 12 27.9 233.°18 1.°0/28.1 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.65 | +20 25.6 | 2.105 | 2.948 | 11.8 | 22.0 |
| 12 7 | 6 47.14 | +20 23.2 | 2.022 | 2.939 | 8.5 | 21.8 |
| 12 17 | 6 38.59 | +20 23.4 | 1.965 | 2.929 | 4.7 | 21.5 |
| 12 27 | 6 28.78 | +20 25.0 | 1.936 | 2.919 | 1.1 | 21.2 |
| 1 6 | 6 18.77 | +20 27.1 | 1.938 | 2.908 | 3.9 | 21.4 |
| 1 16 | 6 9.62 | +20 29.4 | 1.969 | 2.897 | 7.8 | 21.6 |
| 1 26 | 6 2.29 | +20 32.3 | 2.027 | 2.886 | 11.4 | 21.8 |
| 2 5 | 5 57.41 | +20 35.9 | 2.108 | 2.874 | 14.5 | 22.0 |

**407636** 2011 $DV_{24}$ 12 27.9 352.°44 3.°6/27.1 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.08 | +27 51.7 | 1.460 | 2.328 | 14.7 | 19.3 |
| 12 7 | 6 46.26 | +29 10.4 | 1.392 | 2.319 | 10.6 | 19.0 |
| 12 17 | 6 38.48 | +30 30.1 | 1.348 | 2.312 | 6.3 | 18.8 |
| 12 27 | 6 28.79 | +31 43.3 | 1.329 | 2.306 | 3.6 | 18.6 |
| 1 6 | 6 18.68 | +32 43.7 | 1.338 | 2.302 | 6.3 | 18.7 |
| 1 16 | 6 9.78 | +33 27.8 | 1.372 | 2.299 | 10.7 | 19.0 |
| 1 26 | 6 3.52 | +33 56.1 | 1.430 | 2.297 | 14.8 | 19.2 |
| 2 5 | 6 0.73 | +34 11.4 | 1.507 | 2.296 | 18.3 | 19.4 |

**261016** 2005 $SZ_{110}$ 12 27.9 53.°90 2.°3/28.2 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.31 | +17 28.2 | 1.682 | 2.532 | 13.9 | 20.7 |
| 12 7 | 6 46.91 | +17 18.7 | 1.635 | 2.554 | 10.0 | 20.6 |
| 12 17 | 6 38.38 | +17 15.2 | 1.613 | 2.575 | 5.7 | 20.3 |
| 12 27 | 6 28.76 | +17 17.2 | 1.618 | 2.597 | 2.3 | 20.2 |
| 1 6 | 6 19.27 | +17 23.8 | 1.651 | 2.620 | 4.6 | 20.4 |
| 1 16 | 6 11.07 | +17 34.2 | 1.712 | 2.642 | 8.6 | 20.7 |
| 1 26 | 6 5.07 | +17 47.6 | 1.799 | 2.665 | 12.3 | 20.9 |
| 2 5 | 6 1.74 | +18 3.1 | 1.907 | 2.687 | 15.3 | 21.2 |

**436170** 2009 $VG_{95}$ 12 27.9 49.°37 1.°3/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.08 | +24 47.0 | 1.209 | 2.077 | 17.0 | 20.4 |
| 12 7 | 6 50.34 | +25 12.9 | 1.167 | 2.095 | 12.1 | 20.2 |
| 12 17 | 6 40.47 | +25 38.5 | 1.146 | 2.114 | 6.5 | 19.9 |
| 12 27 | 6 28.95 | +25 59.5 | 1.151 | 2.134 | 1.4 | 19.6 |
| 1 6 | 6 17.60 | +26 12.8 | 1.183 | 2.154 | 5.4 | 20.0 |
| 1 16 | 6 8.15 | +26 18.2 | 1.239 | 2.175 | 10.6 | 20.3 |
| 1 26 | 6 1.87 | +26 17.8 | 1.319 | 2.196 | 15.1 | 20.6 |
| 2 5 | 5 59.27 | +26 14.1 | 1.418 | 2.217 | 18.8 | 20.9 |

**70836** 1999 $VW_{91}$ 12 27.9 70.°98 7.°0/28.6 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.82 | + 6 52.0 | 1.649 | 2.477 | 15.3 | 19.6 |
| 12 7 | 6 46.67 | + 6 2.6 | 1.591 | 2.484 | 12.0 | 19.4 |
| 12 17 | 6 38.33 | + 5 28.4 | 1.556 | 2.492 | 8.8 | 19.2 |
| 12 27 | 6 28.77 | + 5 12.6 | 1.547 | 2.500 | 7.0 | 19.2 |
| 1 6 | 6 19.19 | + 5 15.8 | 1.565 | 2.508 | 8.0 | 19.2 |
| 1 16 | 6 10.75 | + 5 36.7 | 1.609 | 2.516 | 10.8 | 19.4 |
| 1 26 | 6 4.43 | + 6 12.0 | 1.677 | 2.524 | 14.0 | 19.6 |
| 2 5 | 6 0.81 | + 6 57.2 | 1.766 | 2.532 | 16.9 | 19.8 |

**193276** 2000 $SY_{204}$ 12 27.9 9.°53 0.°5/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.16 | +24 8.0 | 1.132 | 2.009 | 17.2 | 18.9 |
| 12 7 | 6 47.18 | +24 13.4 | 1.078 | 2.011 | 12.3 | 18.6 |
| 12 17 | 6 38.95 | +24 19.6 | 1.045 | 2.014 | 6.6 | 18.3 |
| 12 27 | 6 28.83 | +24 23.5 | 1.036 | 2.019 | 0.8 | 17.9 |
| 1 6 | 6 18.65 | +24 23.2 | 1.052 | 2.025 | 5.5 | 18.3 |
| 1 16 | 6 10.20 | +24 18.8 | 1.092 | 2.032 | 11.1 | 18.6 |
| 1 26 | 6 4.86 | +24 12.0 | 1.154 | 2.041 | 16.0 | 18.9 |
| 2 5 | 6 3.29 | +24 4.4 | 1.234 | 2.050 | 20.0 | 19.2 |

**211270** 2002 $RD_{78}$ 12 27.9 132.°65 5.°0/28.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.79 | + 8 25.9 | 2.063 | 2.883 | 12.9 | 20.8 |
| 12 7 | 6 46.33 | + 8 10.8 | 2.000 | 2.893 | 9.9 | 20.7 |
| 12 17 | 6 38.05 | + 8 7.8 | 1.962 | 2.903 | 6.9 | 20.5 |
| 12 27 | 6 28.75 | + 8 17.8 | 1.952 | 2.913 | 5.0 | 20.4 |
| 1 6 | 6 19.42 | + 8 40.3 | 1.971 | 2.922 | 6.0 | 20.5 |
| 1 16 | 6 11.01 | + 9 13.3 | 2.019 | 2.930 | 8.7 | 20.7 |
| 1 26 | 6 4.36 | + 9 54.4 | 2.093 | 2.939 | 11.7 | 20.9 |
| 2 5 | 5 59.99 | +10 40.6 | 2.189 | 2.946 | 14.3 | 21.1 |

**415436** 2013 $RS_{17}$ 12 27.9 338.°94 3.°1/27.8 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.96 | +32 57.0 | 2.178 | 3.019 | 11.5 | 20.6 |
| 12 7 | 6 47.37 | +33 4.5 | 2.105 | 3.017 | 8.5 | 20.4 |
| 12 17 | 6 38.69 | +33 4.6 | 2.058 | 3.015 | 5.3 | 20.2 |
| 12 27 | 6 28.82 | +32 54.6 | 2.040 | 3.014 | 3.1 | 20.1 |
| 1 6 | 6 18.90 | +32 33.4 | 2.051 | 3.012 | 4.8 | 20.2 |
| 1 16 | 6 10.05 | +32 2.2 | 2.091 | 3.011 | 8.0 | 20.4 |
| 1 26 | 6 3.20 | +31 24.0 | 2.158 | 3.010 | 11.1 | 20.6 |
| 2 5 | 5 58.93 | +30 42.3 | 2.247 | 3.009 | 13.8 | 20.7 |

**453198** 2008 $FW_{101}$ 12 27.9 250.°23 0.°3/28.0 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.65 | +21 15.2 | 2.110 | 2.956 | 11.7 | 21.7 |
| 12 7 | 6 46.49 | +21 36.1 | 2.029 | 2.947 | 8.4 | 21.5 |
| 12 17 | 6 38.28 | +22 0.1 | 1.973 | 2.938 | 4.6 | 21.2 |
| 12 27 | 6 28.79 | +22 25.2 | 1.946 | 2.929 | 0.5 | 20.9 |
| 1 6 | 6 19.07 | +22 49.2 | 1.949 | 2.920 | 3.8 | 21.1 |
| 1 16 | 6 10.16 | +23 10.9 | 1.982 | 2.910 | 7.7 | 21.4 |
| 1 26 | 6 3.06 | +23 30.0 | 2.041 | 2.901 | 11.3 | 21.6 |
| 2 5 | 5 58.38 | +23 46.8 | 2.122 | 2.891 | 14.3 | 21.7 |

**50309** 2000 $CO_{40}$ 12 27.9 1.°47 3.°5/28.5 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.33 | +14 34.0 | 1.438 | 2.294 | 15.5 | 18.7 |
| 12 7 | 6 46.05 | +14 30.5 | 1.373 | 2.293 | 11.4 | 18.5 |
| 12 17 | 6 38.19 | +14 38.1 | 1.331 | 2.292 | 7.0 | 18.2 |
| 12 27 | 6 28.79 | +14 56.5 | 1.315 | 2.292 | 3.6 | 18.0 |
| 1 6 | 6 19.21 | +15 24.2 | 1.325 | 2.293 | 5.7 | 18.2 |
| 1 16 | 6 10.86 | +15 58.7 | 1.362 | 2.295 | 10.1 | 18.4 |
| 1 26 | 6 4.90 | +16 37.6 | 1.422 | 2.297 | 14.4 | 18.7 |
| 2 5 | 6 2.03 | +17 18.4 | 1.502 | 2.300 | 17.9 | 18.9 |

**484090** 2006 $QF_{70}$ 12 27.9 10.°79 6.°6/27.8 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.91 | +38 51.3 | 1.563 | 2.406 | 15.2 | 20.9 |
| 12 7 | 6 50.99 | +39 25.0 | 1.502 | 2.408 | 11.7 | 20.7 |
| 12 17 | 6 40.92 | +39 44.3 | 1.464 | 2.409 | 8.4 | 20.5 |
| 12 27 | 6 29.03 | +39 42.6 | 1.452 | 2.411 | 6.6 | 20.4 |
| 1 6 | 6 17.12 | +39 17.7 | 1.466 | 2.414 | 8.0 | 20.5 |
| 1 16 | 6 6.92 | +38 31.9 | 1.506 | 2.417 | 11.2 | 20.7 |
| 1 26 | 5 59.80 | +37 31.7 | 1.570 | 2.421 | 14.6 | 20.9 |
| 2 5 | 5 56.36 | +36 24.4 | 1.654 | 2.425 | 17.6 | 21.1 |

**408279** 2013 $GM$ 12 27.9 303.°97 7.°2/26.8 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.83 | +39 14.4 | 1.706 | 2.544 | 14.4 | 20.6 |
| 12 7 | 6 51.11 | +40 23.6 | 1.633 | 2.533 | 11.3 | 20.4 |
| 12 17 | 6 41.15 | +41 21.5 | 1.584 | 2.523 | 8.5 | 20.2 |
| 12 27 | 6 29.08 | +41 59.8 | 1.561 | 2.512 | 7.2 | 20.1 |
| 1 6 | 6 16.57 | +42 13.6 | 1.564 | 2.501 | 8.6 | 20.2 |
| 1 16 | 6 5.43 | +42 2.6 | 1.593 | 2.491 | 11.6 | 20.3 |
| 1 26 | 5 57.19 | +41 31.5 | 1.646 | 2.481 | 14.8 | 20.5 |
| 2 5 | 5 52.69 | +40 47.3 | 1.718 | 2.471 | 17.8 | 20.7 |

**251292** 2006 $WD_{173}$ 12 27.9 135.°73 0.°3/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.51 | +23 7.4 | 2.000 | 2.848 | 12.1 | 20.8 |
| 12 7 | 6 47.10 | +23 27.2 | 1.931 | 2.851 | 8.6 | 20.6 |
| 12 17 | 6 38.58 | +23 48.1 | 1.888 | 2.854 | 4.7 | 20.4 |
| 12 27 | 6 28.83 | +24 8.0 | 1.874 | 2.857 | 0.5 | 20.0 |
| 1 6 | 6 18.97 | +24 24.7 | 1.889 | 2.860 | 3.9 | 20.3 |
| 1 16 | 6 10.11 | +24 37.5 | 1.934 | 2.863 | 7.9 | 20.6 |
| 1 26 | 6 3.21 | +24 46.7 | 2.005 | 2.866 | 11.4 | 20.8 |
| 2 5 | 5 58.87 | +24 53.4 | 2.098 | 2.868 | 14.4 | 21.0 |

**460747** 2014 $VJ_{24}$ 12 27.9 180.°95 2.°4/27.3 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.11 | +28 23.7 | 2.436 | 3.277 | 10.5 | 20.8 |
| 12 7 | 6 46.70 | +29 21.8 | 2.363 | 3.277 | 7.5 | 20.6 |
| 12 17 | 6 38.36 | +30 18.5 | 2.317 | 3.277 | 4.4 | 20.4 |
| 12 27 | 6 28.82 | +31 9.7 | 2.301 | 3.277 | 2.4 | 20.3 |
| 1 6 | 6 19.05 | +31 52.3 | 2.315 | 3.277 | 4.2 | 20.4 |
| 1 16 | 6 10.05 | +32 24.6 | 2.360 | 3.277 | 7.3 | 20.6 |
| 1 26 | 6 2.73 | +32 47.2 | 2.432 | 3.277 | 10.3 | 20.8 |
| 2 5 | 5 57.70 | +33 1.7 | 2.527 | 3.276 | 12.8 | 20.9 |

**428859** 2008 $UA_{121}$ 12 27.9 9.°17 7.°5/26.6 17

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.19 | +42 52.3 | 2.045 | 2.868 | 12.9 | 20.2 |
| 12 7 | 6 49.51 | +44 2.5 | 1.985 | 2.869 | 10.4 | 20.0 |
| 12 17 | 6 40.08 | +44 59.2 | 1.948 | 2.871 | 8.3 | 19.9 |
| 12 27 | 6 28.97 | +45 35.7 | 1.938 | 2.873 | 7.5 | 19.9 |
| 1 6 | 6 17.65 | +45 48.6 | 1.956 | 2.875 | 8.4 | 19.9 |
| 1 16 | 6 7.60 | +45 38.2 | 1.999 | 2.878 | 10.6 | 20.1 |
| 1 26 | 6 0.09 | +45 8.8 | 2.066 | 2.881 | 13.0 | 20.2 |
| 2 5 | 5 55.82 | +44 26.5 | 2.154 | 2.884 | 15.3 | 20.4 |

**434582** 2005 $UW_{120}$ 12 27.9 125.°06 2.°8/28.2 16

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.42 | +16 50.1 | 1.688 | 2.532 | 14.2 | 22.2 |
| 12 7 | 6 49.22 | +16 28.5 | 1.628 | 2.543 | 10.3 | 21.9 |
| 12 17 | 6 39.71 | +16 13.0 | 1.593 | 2.553 | 6.1 | 21.7 |
| 12 27 | 6 28.93 | +16 3.4 | 1.585 | 2.564 | 2.8 | 21.5 |
| 1 6 | 6 18.18 | +15 59.8 | 1.607 | 2.574 | 5.1 | 21.7 |
| 1 16 | 6 8.69 | +16 1.7 | 1.657 | 2.583 | 9.2 | 22.0 |
| 1 26 | 6 1.50 | +16 8.7 | 1.732 | 2.592 | 13.0 | 22.2 |
| 2 5 | 5 57.16 | +16 20.0 | 1.828 | 2.601 | 16.2 | 22.5 |

**112381** 2002 $NR_{27}$ 12 27.9 153.°56 0.°7/27.9 18

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 56.68 | +26 15.9 | 2.174 | 3.014 | 11.6 | 20.0 |
| 12 7 | 6 49.11 | +26 4.5 | 2.105 | 3.021 | 8.3 | 19.8 |
| 12 17 | 6 39.55 | +25 49.9 | 2.064 | 3.028 | 4.5 | 19.6 |
| 12 27 | 6 28.92 | +25 30.9 | 2.052 | 3.035 | 0.8 | 19.3 |
| 1 6 | 6 18.32 | +25 7.2 | 2.071 | 3.041 | 3.7 | 19.5 |
| 1 16 | 6 8.81 | +24 40.0 | 2.120 | 3.046 | 7.5 | 19.8 |
| 1 26 | 6 1.28 | +24 11.5 | 2.197 | 3.051 | 10.8 | 20.0 |
| 2 5 | 5 56.25 | +23 43.6 | 2.296 | 3.055 | 13.6 | 20.2 |

**462355** 2008 $RG_{104}$ 12 27.9 116.°88 4.°5/28.4 16

| 2020/21 | $\alpha_{2000}$ h m | $\delta_{2000}$ ° ′ | $\Delta$ | $r$ | $\beta$ ° | $V$ m |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.10 | + 9 24.0 | 2.429 | 3.249 | 11.2 | 21.4 |
| 12 7 | 6 44.24 | + 8 51.6 | 2.363 | 3.257 | 8.6 | 21.2 |
| 12 17 | 6 36.88 | + 8 28.4 | 2.324 | 3.265 | 6.0 | 21.1 |
| 12 27 | 6 28.69 | + 8 15.6 | 2.313 | 3.272 | 4.5 | 21.0 |
| 1 6 | 6 20.47 | + 8 13.6 | 2.332 | 3.280 | 5.4 | 21.1 |
| 1 16 | 6 13.02 | + 8 21.8 | 2.379 | 3.287 | 7.8 | 21.2 |
| 1 26 | 6 7.03 | + 8 38.8 | 2.454 | 3.295 | 10.3 | 21.4 |
| 2 5 | 6 2.95 | + 9 2.6 | 2.551 | 3.302 | 12.6 | 21.6 |

**326566** 2002 $PB_{186}$ 12 27.9 171.°26 4.°1/28.7 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 49.64 | + 9 17.3 | 2.526 | 3.344 | 10.9 | 21.0 |
| 12 7 | 6 43.94 | + 9 3.2 | 2.453 | 3.346 | 8.3 | 20.8 |
| 12 17 | 6 36.74 | + 8 58.5 | 2.405 | 3.348 | 5.7 | 20.7 |
| 12 27 | 6 28.68 | + 9 4.0 | 2.387 | 3.349 | 4.2 | 20.6 |
| 1 6 | 6 20.54 | + 9 19.2 | 2.398 | 3.350 | 5.0 | 20.6 |
| 1 16 | 6 13.08 | + 9 43.2 | 2.439 | 3.350 | 7.4 | 20.8 |
| 1 26 | 6 7.00 | +10 14.3 | 2.507 | 3.351 | 10.0 | 21.0 |
| 2 5 | 6 2.77 | +10 50.2 | 2.598 | 3.351 | 12.4 | 21.1 |

**414929** 2011 $AV_{52}$ 12 27.9 319.°52 0.°6/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 51.76 | +23 39.4 | 1.998 | 2.849 | 12.0 | 20.4 |
| 12 7 | 6 45.97 | +24 6.2 | 1.921 | 2.843 | 8.6 | 20.2 |
| 12 17 | 6 38.04 | +24 34.4 | 1.870 | 2.837 | 4.6 | 19.9 |
| 12 27 | 6 28.80 | +25 1.5 | 1.848 | 2.831 | 0.7 | 19.6 |
| 1 6 | 6 19.34 | +25 24.9 | 1.854 | 2.825 | 3.9 | 19.9 |
| 1 16 | 6 10.79 | +25 43.6 | 1.890 | 2.819 | 8.0 | 20.1 |
| 1 26 | 6 4.14 | +25 57.7 | 1.951 | 2.814 | 11.6 | 20.3 |
| 2 5 | 6 0.04 | +26 8.0 | 2.035 | 2.809 | 14.7 | 20.5 |

**33888** 2000 $KG_{21}$ 12 27.9 102.°99 7.°2/30.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 1.38 | + 2 43.0 | 1.170 | 1.993 | 20.5 | 18.8 |
| 12 7 | 6 53.51 | + 3 48.7 | 1.115 | 2.007 | 16.0 | 18.5 |
| 12 17 | 6 42.35 | + 5 27.5 | 1.081 | 2.022 | 11.2 | 18.3 |
| 12 27 | 6 29.20 | + 7 36.3 | 1.072 | 2.036 | 7.5 | 18.1 |
| 1 6 | 6 15.90 | +10 5.6 | 1.090 | 2.049 | 8.3 | 18.2 |
| 1 16 | 6 4.29 | +12 42.7 | 1.136 | 2.062 | 12.4 | 18.5 |
| 1 26 | 5 55.85 | +15 16.2 | 1.207 | 2.075 | 16.9 | 18.8 |
| 2 5 | 5 51.32 | +17 38.3 | 1.298 | 2.087 | 20.7 | 19.1 |

**28636** Vasudevan 12 27.9 48.°86 0.°3/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.60 | +20 37.5 | 1.318 | 2.181 | 16.2 | 18.5 |
| 12 7 | 6 49.27 | +21 12.5 | 1.264 | 2.190 | 11.6 | 18.2 |
| 12 17 | 6 39.99 | +21 53.5 | 1.233 | 2.200 | 6.3 | 17.9 |
| 12 27 | 6 28.98 | +22 36.2 | 1.227 | 2.210 | 0.6 | 17.6 |
| 1 6 | 6 17.89 | +23 16.6 | 1.248 | 2.221 | 5.1 | 17.9 |
| 1 16 | 6 8.35 | +23 51.9 | 1.296 | 2.231 | 10.3 | 18.3 |
| 1 26 | 6 1.66 | +24 21.8 | 1.367 | 2.242 | 14.8 | 18.6 |
| 2 5 | 5 58.47 | +24 46.8 | 1.458 | 2.254 | 18.5 | 18.8 |

**380113** 2013 $TH_{51}$ 12 27.9 158.°91 4.°5/27.5 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 7 2.18 | +32 39.6 | 1.612 | 2.456 | 14.8 | 21.6 |
| 12 7 | 6 53.87 | +33 28.0 | 1.550 | 2.462 | 10.9 | 21.4 |
| 12 17 | 6 42.46 | +34 8.7 | 1.512 | 2.468 | 6.9 | 21.2 |
| 12 27 | 6 29.21 | +34 35.0 | 1.502 | 2.473 | 4.5 | 21.0 |
| 1 6 | 6 15.82 | +34 43.1 | 1.520 | 2.478 | 6.5 | 21.2 |
| 1 16 | 6 4.02 | +34 33.7 | 1.566 | 2.482 | 10.4 | 21.4 |
| 1 26 | 5 55.17 | +34 11.1 | 1.636 | 2.485 | 14.2 | 21.7 |
| 2 5 | 5 49.99 | +33 41.0 | 1.727 | 2.487 | 17.4 | 21.9 |

**457512** 2008 $VQ_{63}$ 12 27.9 129.°31 2.°3/27.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.36 | +29 29.4 | 2.797 | 3.632 | 9.5 | 21.3 |
| 12 7 | 6 46.59 | +30 17.9 | 2.734 | 3.645 | 6.8 | 21.1 |
| 12 17 | 6 38.18 | +31 3.4 | 2.699 | 3.658 | 4.0 | 20.9 |
| 12 27 | 6 28.82 | +31 42.8 | 2.695 | 3.670 | 2.3 | 20.8 |
| 1 6 | 6 19.36 | +32 13.8 | 2.722 | 3.682 | 3.8 | 21.0 |
| 1 16 | 6 10.65 | +32 35.6 | 2.780 | 3.694 | 6.5 | 21.2 |
| 1 26 | 6 3.47 | +32 48.9 | 2.865 | 3.705 | 9.0 | 21.3 |
| 2 5 | 5 58.31 | +32 55.5 | 2.975 | 3.716 | 11.2 | 21.5 |

**281216** 2007 $HH_{22}$ 12 27.9 49.°07 1.°2/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 56.32 | +24 15.1 | 1.293 | 2.159 | 16.3 | 20.2 |
| 12 7 | 6 49.74 | +24 49.3 | 1.248 | 2.175 | 11.6 | 20.0 |
| 12 17 | 6 40.18 | +25 24.5 | 1.225 | 2.193 | 6.3 | 19.7 |
| 12 27 | 6 28.99 | +25 55.7 | 1.228 | 2.210 | 1.3 | 19.4 |
| 1 6 | 6 17.89 | +26 19.5 | 1.257 | 2.229 | 5.2 | 19.8 |
| 1 16 | 6 8.52 | +26 35.0 | 1.313 | 2.247 | 10.3 | 20.1 |
| 1 26 | 6 2.12 | +26 43.5 | 1.392 | 2.266 | 14.7 | 20.4 |
| 2 5 | 5 59.27 | +26 47.3 | 1.491 | 2.285 | 18.2 | 20.7 |

**360647** 2004 $LJ_{18}$ 12 27.9 245.°17 2.°0/28.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.75 | +15 39.3 | 2.366 | 3.198 | 11.1 | 21.3 |
| 12 7 | 6 46.43 | +15 56.5 | 2.272 | 3.182 | 8.1 | 21.1 |
| 12 17 | 6 38.23 | +16 20.5 | 2.205 | 3.164 | 4.8 | 20.8 |
| 12 27 | 6 28.83 | +16 50.5 | 2.167 | 3.146 | 2.1 | 20.6 |
| 1 6 | 6 19.12 | +17 24.8 | 2.160 | 3.127 | 3.9 | 20.7 |
| 1 16 | 6 10.04 | +18 1.6 | 2.183 | 3.108 | 7.4 | 20.9 |
| 1 26 | 6 2.49 | +18 39.4 | 2.235 | 3.088 | 10.7 | 21.1 |
| 2 5 | 5 57.08 | +19 17.2 | 2.309 | 3.068 | 13.6 | 21.2 |

**405206** 2003 $HK_{42}$ 12 27.9 299.°13 3.°2/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.47 | +28 33.9 | 1.855 | 2.705 | 12.8 | 20.6 |
| 12 7 | 6 48.31 | +29 42.8 | 1.772 | 2.691 | 9.3 | 20.3 |
| 12 17 | 6 39.52 | +30 51.6 | 1.716 | 2.677 | 5.6 | 20.1 |
| 12 27 | 6 28.97 | +31 54.3 | 1.687 | 2.664 | 3.2 | 19.9 |
| 1 6 | 6 17.93 | +32 45.9 | 1.688 | 2.650 | 5.5 | 20.0 |
| 1 16 | 6 7.80 | +33 23.5 | 1.717 | 2.636 | 9.4 | 20.2 |
| 1 26 | 5 59.87 | +33 47.9 | 1.771 | 2.623 | 13.1 | 20.4 |
| 2 5 | 5 54.98 | +34 1.4 | 1.846 | 2.610 | 16.3 | 20.6 |

**407269** 2010 $CO_{145}$ 12 27.9 7.°14 2.°4/27.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.27 | +26 25.4 | 1.820 | 2.675 | 12.8 | 19.5 |
| 12 7 | 6 46.57 | +27 35.6 | 1.754 | 2.676 | 9.2 | 19.3 |
| 12 17 | 6 38.47 | +28 46.7 | 1.713 | 2.677 | 5.2 | 19.0 |
| 12 27 | 6 28.87 | +29 53.1 | 1.701 | 2.680 | 2.4 | 18.9 |
| 1 6 | 6 19.01 | +30 50.0 | 1.717 | 2.683 | 5.0 | 19.0 |
| 1 16 | 6 10.17 | +31 34.9 | 1.762 | 2.686 | 8.9 | 19.3 |
| 1 26 | 6 3.49 | +32 7.8 | 1.832 | 2.690 | 12.5 | 19.5 |
| 2 5 | 5 59.66 | +32 30.6 | 1.923 | 2.695 | 15.5 | 19.7 |

**456210** 2006 $JD_{60}$ 12 27.9 41.°69 3.°9/27.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.77 | +32 58.9 | 2.149 | 2.991 | 11.6 | 20.6 |
| 12 7 | 6 47.40 | +33 54.9 | 2.084 | 2.995 | 8.6 | 20.4 |
| 12 17 | 6 38.81 | +34 45.2 | 2.046 | 2.999 | 5.6 | 20.2 |
| 12 27 | 6 28.90 | +35 25.2 | 2.035 | 3.004 | 4.0 | 20.1 |
| 1 6 | 6 18.82 | +35 51.5 | 2.055 | 3.009 | 5.5 | 20.2 |
| 1 16 | 6 9.74 | +36 3.7 | 2.102 | 3.013 | 8.4 | 20.4 |
| 1 26 | 6 2.69 | +36 3.6 | 2.176 | 3.018 | 11.4 | 20.6 |
| 2 5 | 5 58.29 | +35 54.4 | 2.271 | 3.023 | 14.0 | 20.8 |

**438566** 2007 $TN_{436}$ 12 27.9 49.°47 3.°2/28.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 54.79 | +15 20.4 | 1.366 | 2.222 | 16.2 | 21.2 |
| 12 7 | 6 48.26 | +15 17.5 | 1.327 | 2.247 | 11.8 | 21.0 |
| 12 17 | 6 39.23 | +15 24.8 | 1.310 | 2.272 | 7.0 | 20.8 |
| 12 27 | 6 28.93 | +15 41.3 | 1.320 | 2.298 | 3.3 | 20.6 |
| 1 6 | 6 18.84 | +16 4.9 | 1.356 | 2.324 | 5.5 | 20.8 |
| 1 16 | 6 10.33 | +16 33.5 | 1.418 | 2.350 | 9.9 | 21.2 |
| 1 26 | 6 4.43 | +17 5.1 | 1.505 | 2.377 | 13.9 | 21.5 |
| 2 5 | 6 1.62 | +17 37.6 | 1.612 | 2.404 | 17.2 | 21.7 |

**187645** 2007 $DB_1$ 12 27.9 81.°14 2.°9/28.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.41 | +14 48.7 | 2.007 | 2.846 | 12.5 | 20.6 |
| 12 7 | 6 46.09 | +14 39.5 | 1.952 | 2.862 | 9.1 | 20.4 |
| 12 17 | 6 37.94 | +14 37.6 | 1.922 | 2.879 | 5.5 | 20.3 |
| 12 27 | 6 28.82 | +14 42.9 | 1.920 | 2.896 | 2.9 | 20.1 |
| 1 6 | 6 19.74 | +14 54.4 | 1.947 | 2.912 | 4.6 | 20.3 |
| 1 16 | 6 11.67 | +15 11.3 | 2.004 | 2.928 | 7.9 | 20.5 |
| 1 26 | 6 5.44 | +15 32.2 | 2.086 | 2.944 | 11.2 | 20.7 |
| 2 5 | 6 1.53 | +15 55.8 | 2.191 | 2.960 | 13.9 | 21.0 |

**172098** 2002 $EE_{115}$ 12 27.9 221.°41 1.°2/28.2 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.52 | +19 0.9 | 1.750 | 2.594 | 13.8 | 20.9 |
| 12 7 | 6 50.33 | +19 18.6 | 1.668 | 2.584 | 10.0 | 20.6 |
| 12 17 | 6 40.54 | +19 42.0 | 1.610 | 2.574 | 5.6 | 20.3 |
| 12 27 | 6 29.08 | +20 9.1 | 1.581 | 2.563 | 1.3 | 20.0 |
| 1 6 | 6 17.25 | +20 37.1 | 1.581 | 2.552 | 4.5 | 20.2 |
| 1 16 | 6 6.43 | +21 4.5 | 1.611 | 2.539 | 9.2 | 20.5 |
| 1 26 | 5 57.86 | +21 30.4 | 1.666 | 2.526 | 13.4 | 20.7 |
| 2 5 | 5 52.31 | +21 54.9 | 1.742 | 2.512 | 16.9 | 20.9 |

**234621** 2002 $AH_{145}$ 12 27.9 10.°25 2.°2/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.20 | +18 1.6 | 1.202 | 2.072 | 17.0 | 20.2 |
| 12 7 | 6 47.05 | +18 4.3 | 1.145 | 2.073 | 12.3 | 19.9 |
| 12 17 | 6 38.88 | +18 15.7 | 1.109 | 2.076 | 7.0 | 19.6 |
| 12 27 | 6 28.92 | +18 34.4 | 1.098 | 2.080 | 2.3 | 19.4 |
| 1 6 | 6 18.83 | +18 58.0 | 1.112 | 2.084 | 5.6 | 19.6 |
| 1 16 | 6 10.27 | +19 24.4 | 1.151 | 2.090 | 10.9 | 19.9 |
| 1 26 | 6 4.57 | +19 52.1 | 1.213 | 2.096 | 15.6 | 20.2 |
| 2 5 | 6 2.41 | +20 19.7 | 1.293 | 2.104 | 19.6 | 20.5 |

**232280** 2002 $RB_{59}$ 12 27.9 17.°54 7.°5/28.1 16

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 57.15 | +43 2.6 | 1.734 | 2.564 | 14.5 | 19.3 |
| 12 7 | 6 50.24 | +43 29.6 | 1.680 | 2.571 | 11.6 | 19.1 |
| 12 17 | 6 40.42 | +43 39.1 | 1.648 | 2.579 | 8.9 | 18.9 |
| 12 27 | 6 29.05 | +43 25.5 | 1.642 | 2.587 | 7.5 | 18.9 |
| 1 6 | 6 17.83 | +42 47.3 | 1.662 | 2.597 | 8.4 | 19.0 |
| 1 16 | 6 8.34 | +41 48.0 | 1.708 | 2.607 | 10.9 | 19.1 |
| 1 26 | 6 1.76 | +40 34.0 | 1.779 | 2.618 | 13.7 | 19.3 |
| 2 5 | 5 58.64 | +39 12.9 | 1.870 | 2.630 | 16.3 | 19.5 |

**493245** 2014 $UC_{98}$ 12 27.9 12.°93 1.°6/27.7 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 52.02 | +25 45.8 | 2.029 | 2.880 | 11.9 | 21.0 |
| 12 7 | 6 46.14 | +26 28.4 | 1.960 | 2.881 | 8.5 | 20.7 |
| 12 17 | 6 38.13 | +27 11.2 | 1.917 | 2.883 | 4.7 | 20.5 |
| 12 27 | 6 28.86 | +27 50.3 | 1.903 | 2.884 | 1.6 | 20.3 |
| 1 6 | 6 19.41 | +28 23.0 | 1.918 | 2.887 | 4.2 | 20.5 |
| 1 16 | 6 10.91 | +28 47.7 | 1.962 | 2.889 | 7.9 | 20.7 |
| 1 26 | 6 4.33 | +29 4.9 | 2.032 | 2.892 | 11.4 | 20.9 |
| 2 5 | 6 0.30 | +29 16.0 | 2.125 | 2.895 | 14.3 | 21.2 |

**145969** 2000 $AP_{32}$ 12 27.9 14.°14 1.°8/27.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 53.52 | +26 19.0 | 1.005 | 1.888 | 18.4 | 19.1 |
| 12 7 | 6 48.47 | +26 30.3 | 0.956 | 1.892 | 13.2 | 18.9 |
| 12 17 | 6 39.78 | +26 39.4 | 0.928 | 1.897 | 7.3 | 18.6 |
| 12 27 | 6 29.01 | +26 42.1 | 0.922 | 1.904 | 1.9 | 18.2 |
| 1 6 | 6 18.24 | +26 36.0 | 0.939 | 1.912 | 6.1 | 18.5 |
| 1 16 | 6 9.47 | +26 22.2 | 0.980 | 1.922 | 11.9 | 18.9 |
| 1 26 | 6 4.22 | +26 3.8 | 1.042 | 1.933 | 17.0 | 19.2 |
| 2 5 | 6 3.09 | +25 44.0 | 1.122 | 1.945 | 21.2 | 19.5 |

**366337** 2013 $EX_{123}$ 12 27.9 302.°77 9.°1/28.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 50.63 | + 1 12.8 | 1.705 | 2.514 | 15.7 | 21.1 |
| 12 7 | 6 45.39 | + 0 29.2 | 1.621 | 2.495 | 13.0 | 20.9 |
| 12 17 | 6 37.86 | + 0 5.2 | 1.560 | 2.476 | 10.5 | 20.7 |
| 12 27 | 6 28.85 | + 0 5.1 | 1.523 | 2.457 | 9.1 | 20.6 |
| 1 6 | 6 19.47 | + 0 30.6 | 1.512 | 2.439 | 9.8 | 20.6 |
| 1 16 | 6 10.91 | + 1 20.1 | 1.526 | 2.420 | 12.2 | 20.7 |
| 1 26 | 6 4.29 | + 2 29.2 | 1.563 | 2.402 | 15.3 | 20.8 |
| 2 5 | 6 0.34 | + 3 51.4 | 1.620 | 2.385 | 18.2 | 21.0 |

**523418** 2017 $DX_{122}$ 12 27.9 56.°60 2.°0/27.5 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 53.83 | +26 8.2 | 1.962 | 2.812 | 12.3 | 20.3 |
| 12 7 | 6 47.48 | +27 5.0 | 1.898 | 2.817 | 8.8 | 20.1 |
| 12 17 | 6 38.89 | +28 1.9 | 1.859 | 2.823 | 4.9 | 19.9 |
| 12 27 | 6 28.94 | +28 54.3 | 1.849 | 2.829 | 2.0 | 19.7 |
| 1 6 | 6 18.80 | +29 38.4 | 1.868 | 2.835 | 4.5 | 19.9 |
| 1 16 | 6 9.68 | +30 12.5 | 1.916 | 2.841 | 8.3 | 20.2 |
| 1 26 | 6 2.60 | +30 36.8 | 1.991 | 2.847 | 11.7 | 20.4 |
| 2 5 | 5 58.22 | +30 53.2 | 2.087 | 2.853 | 14.6 | 20.6 |

**77829** 2001 $QO_{217}$ 12 27.9 257.°43 0.°2/28.0 18 R

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 50.58 | +21 52.9 | 2.510 | 3.352 | 10.2 | 19.4 |
| 12 7 | 6 44.78 | +22 3.6 | 2.426 | 3.343 | 7.2 | 19.2 |
| 12 17 | 6 37.30 | +22 15.9 | 2.368 | 3.333 | 3.9 | 18.9 |
| 12 27 | 6 28.79 | +22 28.5 | 2.340 | 3.323 | 0.4 | 18.6 |
| 1 6 | 6 20.11 | +22 40.2 | 2.342 | 3.313 | 3.2 | 18.9 |
| 1 16 | 6 12.11 | +22 50.3 | 2.375 | 3.303 | 6.7 | 19.1 |
| 1 26 | 6 5.59 | +22 58.9 | 2.435 | 3.292 | 9.8 | 19.3 |
| 2 5 | 6 1.10 | +23 6.3 | 2.518 | 3.282 | 12.4 | 19.4 |

**339178** 2004 $TQ_{134}$ 12 27.9 50.°29 4.°3/28.3 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 54.07 | +14 8.6 | 1.462 | 2.313 | 15.6 | 20.5 |
| 12 7 | 6 47.84 | +13 36.0 | 1.405 | 2.320 | 11.6 | 20.3 |
| 12 17 | 6 39.10 | +13 13.1 | 1.370 | 2.328 | 7.3 | 20.1 |
| 12 27 | 6 28.95 | +13 1.2 | 1.362 | 2.336 | 4.4 | 19.9 |
| 1 6 | 6 18.80 | +13 0.5 | 1.381 | 2.344 | 6.2 | 20.0 |
| 1 16 | 6 9.98 | +13 10.2 | 1.426 | 2.353 | 10.3 | 20.3 |
| 1 26 | 6 3.62 | +13 28.5 | 1.495 | 2.361 | 14.3 | 20.5 |
| 2 5 | 6 0.29 | +13 53.0 | 1.584 | 2.370 | 17.6 | 20.8 |

**62801** 2000 $UV_{36}$ 12 27.9 352.°98 0.°5/28.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.43 | +21 41.7 | 1.930 | 2.780 | 12.4 | 19.7 |
| 12 7 | 6 46.40 | +21 43.5 | 1.859 | 2.779 | 8.9 | 19.5 |
| 12 17 | 6 38.26 | +21 47.2 | 1.813 | 2.779 | 4.8 | 19.2 |
| 12 27 | 6 28.89 | +21 51.5 | 1.795 | 2.778 | 0.7 | 18.9 |
| 1 6 | 6 19.40 | +21 55.2 | 1.807 | 2.778 | 3.9 | 19.2 |
| 1 16 | 6 10.90 | +21 57.9 | 1.847 | 2.778 | 8.1 | 19.4 |
| 1 26 | 6 4.38 | +22 0.1 | 1.913 | 2.778 | 11.7 | 19.6 |
| 2 5 | 6 0.41 | +22 2.3 | 2.001 | 2.778 | 14.8 | 19.9 |

**229828** 2008 $UH_{124}$ 12 27.9 194.°37 0.°0/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.74 | +23 55.8 | 3.014 | 3.849 | 8.9 | 21.2 |
| 12 7 | 6 45.28 | +23 41.7 | 2.933 | 3.847 | 6.3 | 21.0 |
| 12 17 | 6 37.44 | +23 26.5 | 2.879 | 3.844 | 3.4 | 20.9 |
| 12 27 | 6 28.82 | +23 9.6 | 2.857 | 3.840 | 0.3 | 20.6 |
| 1 6 | 6 20.14 | +22 51.0 | 2.867 | 3.836 | 2.8 | 20.8 |
| 1 16 | 6 12.13 | +22 31.2 | 2.907 | 3.832 | 5.8 | 21.0 |
| 1 26 | 6 5.44 | +22 11.1 | 2.977 | 3.828 | 8.4 | 21.2 |
| 2 5 | 6 0.51 | +21 51.7 | 3.071 | 3.822 | 10.7 | 21.3 |

**454421** 2014 $NA_{61}$ 12 27.9 121.°40 2.°9/28.0 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.61 | +32 22.7 | 1.969 | 2.810 | 12.6 | 20.5 |
| 12 7 | 6 50.04 | +32 18.9 | 1.903 | 2.816 | 9.2 | 20.3 |
| 12 17 | 6 40.17 | +32 6.7 | 1.863 | 2.821 | 5.5 | 20.1 |
| 12 27 | 6 29.07 | +31 43.5 | 1.851 | 2.827 | 2.9 | 19.9 |
| 1 6 | 6 18.03 | +31 9.0 | 1.869 | 2.833 | 4.8 | 20.0 |
| 1 16 | 6 8.30 | +30 25.2 | 1.916 | 2.838 | 8.4 | 20.3 |
| 1 26 | 6 0.88 | +29 36.2 | 1.989 | 2.843 | 11.8 | 20.5 |
| 2 5 | 5 56.32 | +28 45.9 | 2.085 | 2.849 | 14.7 | 20.7 |

**330256** 2006 $RX_{89}$ 12 27.9 154.°47 1.°1/28.1 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.29 | +20 16.8 | 1.723 | 2.567 | 13.9 | 21.9 |
| 12 7 | 6 50.66 | +20 15.5 | 1.658 | 2.575 | 10.0 | 21.7 |
| 12 17 | 6 40.58 | +20 17.2 | 1.618 | 2.583 | 5.5 | 21.5 |
| 12 27 | 6 29.12 | +20 20.5 | 1.607 | 2.589 | 1.2 | 21.2 |
| 1 6 | 6 17.60 | +20 24.2 | 1.625 | 2.595 | 4.5 | 21.4 |
| 1 16 | 6 7.36 | +20 27.8 | 1.672 | 2.600 | 8.9 | 21.7 |
| 1 26 | 5 59.47 | +20 31.9 | 1.745 | 2.605 | 12.9 | 21.9 |
| 2 5 | 5 54.56 | +20 37.0 | 1.839 | 2.609 | 16.2 | 22.2 |

**47710** 2000 $DJ_{16}$ 12 27.9 11.°41 8.°6/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 58.27 | +46 10.6 | 1.974 | 2.787 | 13.7 | 17.6 |
| 12 7 | 6 51.17 | +47 14.2 | 1.916 | 2.788 | 11.4 | 17.4 |
| 12 17 | 6 41.06 | +48 0.8 | 1.880 | 2.790 | 9.4 | 17.3 |
| 12 27 | 6 29.16 | +48 23.5 | 1.871 | 2.793 | 8.6 | 17.3 |
| 1 6 | 6 17.13 | +48 19.0 | 1.887 | 2.795 | 9.4 | 17.3 |
| 1 16 | 6 6.61 | +47 48.7 | 1.929 | 2.799 | 11.4 | 17.5 |
| 1 26 | 5 58.95 | +46 58.2 | 1.994 | 2.802 | 13.7 | 17.6 |
| 2 5 | 5 54.81 | +45 54.8 | 2.079 | 2.806 | 15.8 | 17.8 |

**209131** 2003 $SV_{231}$ 12 27.9 59.°06 1.°4/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| | h m | ° ′ | | | ° | m |
| 11 27 | 6 55.92 | +24 52.1 | 1.512 | 2.371 | 14.8 | 20.0 |
| 12 7 | 6 49.24 | +25 28.3 | 1.461 | 2.385 | 10.5 | 19.8 |
| 12 17 | 6 39.89 | +26 4.7 | 1.434 | 2.401 | 5.7 | 19.5 |
| 12 27 | 6 29.05 | +26 36.7 | 1.434 | 2.416 | 1.4 | 19.3 |
| 1 6 | 6 18.23 | +27 1.4 | 1.462 | 2.432 | 4.9 | 19.6 |
| 1 16 | 6 8.88 | +27 17.5 | 1.517 | 2.448 | 9.4 | 19.9 |
| 1 26 | 6 2.15 | +27 26.5 | 1.596 | 2.464 | 13.5 | 20.2 |
| 2 5 | 5 58.65 | +27 30.5 | 1.696 | 2.480 | 16.8 | 20.4 |

**248007** 2004 $EA_{45}$ 12 27.9 160.°70 2.°9/28.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.64 | +14 54.4 | 1.991 | 2.829 | 12.6 | 20.8 |
| 12 7 | 6 46.43 | +14 47.3 | 1.920 | 2.831 | 9.2 | 20.6 |
| 12 17 | 6 38.24 | +14 47.6 | 1.875 | 2.833 | 5.6 | 20.4 |
| 12 27 | 6 28.91 | +14 55.1 | 1.859 | 2.835 | 2.9 | 20.2 |
| 1 6 | 6 19.47 | +15 9.1 | 1.871 | 2.836 | 4.7 | 20.3 |
| 1 16 | 6 10.96 | +15 28.3 | 1.912 | 2.838 | 8.2 | 20.5 |
| 1 26 | 6 4.29 | +15 51.7 | 1.980 | 2.839 | 11.7 | 20.8 |
| 2 5 | 6 0.03 | +16 17.7 | 2.070 | 2.840 | 14.6 | 21.0 |

**178629** 2000 $GV_{141}$ 12 27.9 278.°14 3.°1/27.2 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 55.56 | +28 25.7 | 1.854 | 2.703 | 12.9 | 20.4 |
| 12 7 | 6 49.11 | +29 33.1 | 1.772 | 2.690 | 9.4 | 20.1 |
| 12 17 | 6 39.99 | +30 40.3 | 1.716 | 2.677 | 5.6 | 19.9 |
| 12 27 | 6 29.09 | +31 41.3 | 1.688 | 2.664 | 3.1 | 19.7 |
| 1 6 | 6 17.70 | +32 31.1 | 1.689 | 2.651 | 5.5 | 19.8 |
| 1 16 | 6 7.24 | +33 7.1 | 1.718 | 2.638 | 9.4 | 20.0 |
| 1 26 | 5 59.01 | +33 29.9 | 1.773 | 2.625 | 13.2 | 20.2 |
| 2 5 | 5 53.84 | +33 42.3 | 1.849 | 2.611 | 16.4 | 20.4 |

**379717** 2011 $GA_{29}$ 12 27.9 182.°41 1.°4/27.8 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.59 | +27 29.7 | 2.805 | 3.643 | 9.3 | 21.7 |
| 12 7 | 6 45.37 | +27 52.5 | 2.729 | 3.644 | 6.7 | 21.5 |
| 12 17 | 6 37.57 | +28 13.4 | 2.681 | 3.644 | 3.7 | 21.3 |
| 12 27 | 6 28.85 | +28 30.1 | 2.663 | 3.643 | 1.4 | 21.1 |
| 1 6 | 6 20.02 | +28 41.3 | 2.676 | 3.643 | 3.3 | 21.3 |
| 1 16 | 6 11.90 | +28 46.5 | 2.720 | 3.642 | 6.2 | 21.5 |
| 1 26 | 6 5.20 | +28 46.7 | 2.791 | 3.641 | 9.0 | 21.6 |
| 2 5 | 6 0.44 | +28 43.0 | 2.887 | 3.639 | 11.3 | 21.8 |

**357672** 2005 $JN_{150}$ 12 27.9 210.°34 4.°3/26.9 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 57.24 | +32 23.6 | 2.015 | 2.855 | 12.4 | 21.0 |
| 12 7 | 6 50.14 | +33 35.5 | 1.941 | 2.852 | 9.2 | 20.8 |
| 12 17 | 6 40.46 | +34 43.0 | 1.894 | 2.848 | 6.0 | 20.6 |
| 12 27 | 6 29.13 | +35 39.8 | 1.876 | 2.844 | 4.3 | 20.5 |
| 1 6 | 6 17.43 | +36 21.4 | 1.887 | 2.840 | 6.0 | 20.6 |
| 1 16 | 6 6.74 | +36 46.1 | 1.927 | 2.836 | 9.2 | 20.8 |
| 1 26 | 5 58.28 | +36 55.9 | 1.993 | 2.831 | 12.5 | 21.0 |
| 2 5 | 5 52.81 | +36 54.5 | 2.080 | 2.827 | 15.3 | 21.2 |

**170591** 2003 $YK_1$ 12 27.9 68.°42 5.°3/26.4 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 7 6.31 | +31 4.7 | 1.651 | 2.488 | 14.8 | 19.8 |
| 12 7 | 6 56.68 | +33 24.0 | 1.619 | 2.527 | 10.8 | 19.6 |
| 12 17 | 6 43.95 | +35 35.4 | 1.614 | 2.566 | 7.0 | 19.5 |
| 12 27 | 6 29.44 | +37 27.9 | 1.640 | 2.605 | 5.3 | 19.5 |
| 1 6 | 6 14.90 | +38 54.2 | 1.696 | 2.642 | 7.3 | 19.7 |
| 1 16 | 6 2.07 | +39 52.9 | 1.782 | 2.680 | 10.6 | 20.0 |
| 1 26 | 5 52.30 | +40 28.0 | 1.893 | 2.716 | 13.7 | 20.2 |
| 2 5 | 5 46.23 | +40 46.0 | 2.024 | 2.752 | 16.2 | 20.5 |

**65436** 2002 $TJ_{261}$ 12 27.9 6.°24 2.°5/28.4 18

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 51.63 | +16 26.9 | 1.079 | 1.953 | 18.1 | 18.5 |
| 12 7 | 6 46.94 | +16 49.4 | 1.023 | 1.953 | 13.2 | 18.2 |
| 12 17 | 6 38.97 | +17 25.3 | 0.987 | 1.954 | 7.6 | 17.9 |
| 12 27 | 6 28.99 | +18 12.1 | 0.975 | 1.956 | 2.7 | 17.6 |
| 1 6 | 6 18.79 | +19 5.1 | 0.987 | 1.960 | 5.9 | 17.8 |
| 1 16 | 6 10.19 | +19 59.9 | 1.023 | 1.964 | 11.6 | 18.1 |
| 1 26 | 6 4.66 | +20 52.9 | 1.081 | 1.970 | 16.6 | 18.4 |
| 2 5 | 6 2.97 | +21 42.0 | 1.157 | 1.978 | 20.8 | 18.7 |

**520630** 2014 $OC_{415}$ 12 28.0 105.°61 0.°6/27.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.94 | +23 10.9 | 2.117 | 2.964 | 11.6 | 21.7 |
| 12 7 | 6 46.66 | +23 45.2 | 2.050 | 2.969 | 8.3 | 21.5 |
| 12 17 | 6 38.38 | +24 21.2 | 2.009 | 2.974 | 4.5 | 21.3 |
| 12 27 | 6 28.93 | +24 55.9 | 1.997 | 2.980 | 0.7 | 21.0 |
| 1 6 | 6 19.36 | +25 26.9 | 2.014 | 2.985 | 3.7 | 21.2 |
| 1 16 | 6 10.70 | +25 52.7 | 2.062 | 2.990 | 7.5 | 21.5 |
| 1 26 | 6 3.88 | +26 13.3 | 2.136 | 2.995 | 10.9 | 21.7 |
| 2 5 | 5 59.49 | +26 29.6 | 2.233 | 3.000 | 13.7 | 21.9 |

**477097** 2009 $BU_{147}$ 12 28.0 20.°54 1.°1/27.9 17

| 2020/21 | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$ | $\beta$ | $V$ |
|---|---|---|---|---|---|---|
| 11 27 | 6 52.46 | +26 18.3 | 0.981 | 1.866 | 18.5 | 19.7 |
| 12 7 | 6 47.49 | +26 7.2 | 0.945 | 1.881 | 13.2 | 19.4 |
| 12 17 | 6 39.11 | +25 52.9 | 0.928 | 1.898 | 7.1 | 19.2 |
| 12 27 | 6 28.99 | +25 33.3 | 0.934 | 1.917 | 1.3 | 18.8 |
| 1 6 | 6 19.16 | +25 8.2 | 0.964 | 1.937 | 5.8 | 19.2 |
| 1 16 | 6 11.46 | +24 40.1 | 1.017 | 1.959 | 11.4 | 19.6 |
| 1 26 | 6 7.14 | +24 12.0 | 1.091 | 1.983 | 16.3 | 20.0 |
| 2 5 | 6 6.64 | +23 46.2 | 1.183 | 2.009 | 20.2 | 20.3 |