| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92001 1999 $VA_{145}$ | 14.6 | X | 342.67791 | 6.58073 | 18.53849 | 8.42695 | 0.0779881 | 0.18701511 | 3.0284349 | 20 | 10 30.3 | 18.4 |
| 92002 1999 $VX_{147}$ | 14.9 | X | 281.63037 | 106.54842 | 334.69870 | 3.23073 | 0.0184293 | 0.18831920 | 3.0144377 | 20 | 10 20.1 | 19.0 |
| 92003 1999 $VG_{149}$ | 14.6 | X | 302.92540 | 153.63828 | 222.45353 | 10.31547 | 0.0649936 | 0.17903940 | 3.1177190 | 20 | 8 17.0 | 19.0 |
| 92004 1999 $VG_{151}$ | 14.9 | X | 355.90779 | 335.98915 | 328.17250 | 1.41112 | 0.0986218 | 0.17733590 | 3.1376532 | 20 | 8 6.1 | 18.8 |
| 92005 1999 $VH_{155}$ | 14.0 | X | 47.22714 | 18.41938 | 191.13880 | 20.42860 | 0.1365170 | 0.17806898 | 3.1290359 | 20 | 6 25.2 | 18.5 |
| 92006 1999 $VR_{155}$ | 15.2 | X | 178.19318 | 78.09900 | 47.15299 | 1.15252 | 0.1458468 | 0.17494012 | 3.1662347 | 20 | 8 5.2 | 20.3 |
| 92007 1999 $VS_{155}$ | 15.2 | X | 143.37038 | 55.58980 | 39.43128 | 0.85916 | 0.0688423 | 0.16710613 | 3.2644333 | 20 | 5 22.3 | 19.9 |
| 92008 1999 $VP_{156}$ | 15.4 | X | 282.80105 | 63.61658 | 346.29272 | 0.83587 | 0.1034994 | 0.18071515 | 3.0984156 | 20 | 8 31.8 | 19.4 |
| 92009 1999 $VM_{157}$ | 15.2 | X | 131.83228 | 75.86925 | 10.34370 | 9.21858 | 0.1760192 | 0.21538313 | 2.7563112 | 20 | 5 4.9 | 19.6 |
| 92010 1999 $VB_{159}$ | 15.0 | X | 342.06939 | 59.27024 | 29.79123 | 12.46790 | 0.0228390 | 0.19574836 | 2.9376764 | 20 | — | — |
| 92011 1999 $VJ_{159}$ | 14.1 | X | 327.96634 | 328.43480 | 29.00735 | 13.60141 | 0.1028844 | 0.18271450 | 3.0757713 | 20 | 9 8.1 | 18.1 |
| 92012 1999 $VT_{159}$ | 14.4 | X | 192.87238 | 247.49290 | 226.62122 | 10.66867 | 0.2292834 | 0.17702127 | 3.1413699 | 20 | 7 29.3 | 20.0 |
| 92013 1999 $VV_{159}$ | 14.5 | X | 107.41648 | 198.23827 | 24.51479 | 16.77536 | 0.0405409 | 0.18402770 | 3.0611217 | 20 | 9 22.2 | 19.0 |
| 92014 1999 $VZ_{159}$ | 14.6 | X | 4.62380 | 348.60465 | 25.47786 | 11.83918 | 0.1373173 | 0.19057086 | 2.9906463 | 20 | 11 23.5 | 18.4 |
| 92015 1999 $VK_{160}$ | 14.2 | X | 0.83623 | 153.99289 | 222.21337 | 9.38961 | 0.0482043 | 0.18960099 | 3.0008363 | 20 | 11 14.4 | 18.2 |
| 92016 1999 $VR_{160}$ | 14.3 | X | 106.66941 | 30.96553 | 236.75351 | 8.23481 | 0.0873141 | 0.18992093 | 2.9974653 | 20 | 11 14.4 | 18.9 |
| 92017 1999 $VV_{160}$ | 14.8 | X | 219.29074 | 207.63028 | 245.07607 | 5.18790 | 0.1007013 | 0.17832226 | 3.1260722 | 20 | 8 6.4 | 19.6 |
| 92018 1999 $VW_{162}$ | 13.9 | X | 120.32012 | 156.56824 | 35.01016 | 13.24731 | 0.0885547 | 0.17919363 | 3.1159299 | 20 | 9 3.0 | 18.8 |
| 92019 1999 $VH_{163}$ | 14.8 | X | 0.63665 | 125.07359 | 297.31727 | 0.95469 | 0.0751201 | 0.19449227 | 2.9503112 | 20 | — | — |
| 92020 1999 $VE_{164}$ | 14.7 | X | 267.69500 | 154.17169 | 302.33390 | 1.74336 | 0.0961745 | 0.18538223 | 3.0461923 | 20 | 10 10.6 | 18.7 |
| 92021 1999 $VJ_{164}$ | 14.8 | X | 48.85226 | 101.70263 | 238.48605 | 10.22695 | 0.1353199 | 0.19085489 | 2.9876785 | 20 | 12 13.8 | 19.1 |
| 92022 1999 $VU_{165}$ | 15.1 | X | 274.51947 | 22.14071 | 39.38480 | 10.05995 | 0.0573973 | 0.18148246 | 3.0896760 | 20 | 9 15.9 | 19.4 |
| 92023 1999 $VM_{167}$ | 14.8 | X | 295.96329 | 8.00643 | 42.49178 | 7.46669 | 0.1383736 | 0.18250032 | 3.0781773 | 20 | 9 19.9 | 18.6 |
| 92024 1999 $VK_{169}$ | 14.7 | X | 194.00185 | 190.47169 | 270.17008 | 4.17501 | 0.1134381 | 0.17294018 | 3.1905981 | 20 | 7 21.1 | 19.6 |
| 92025 1999 $VY_{171}$ | 13.7 | X | 327.12958 | 250.29309 | 67.99432 | 18.39639 | 0.2352075 | 0.17564858 | 3.1577152 | 20 | 6 22.3 | 17.1 |
| 92026 1999 $VW_{176}$ | 13.9 | X | 276.02766 | 337.44831 | 355.42859 | 16.88328 | 0.1111806 | 0.17230433 | 3.1984429 | 20 | 5 7.0 | 18.8 |
| 92027 1999 $VH_{177}$ | 14.5 | X | 328.32296 | 245.88874 | 80.65752 | 18.03783 | 0.1158617 | 0.17711901 | 3.1402142 | 20 | 7 21.7 | 18.5 |
| 92028 1999 $VM_{177}$ | 14.6 | X | 286.85063 | 134.70080 | 204.86619 | 13.96840 | 0.2941084 | 0.17583608 | 3.1554700 | 20 | 5 10.5 | 19.3 |
| 92029 1999 $VV_{177}$ | 14.3 | X | 230.97176 | 334.48144 | 92.59041 | 6.36724 | 0.1239863 | 0.17668774 | 3.1453219 | 20 | 7 18.0 | 19.1 |
| 92030 1999 $VX_{177}$ | 14.9 | X | 295.84376 | 254.50645 | 185.52980 | 10.76750 | 0.1243479 | 0.18832037 | 3.0144252 | 20 | 10 29.7 | 18.6 |
| 92031 1999 $VB_{178}$ | 15.0 | X | 9.66320 | 273.74404 | 47.08685 | 12.34503 | 0.2208450 | 0.18658989 | 3.0330342 | 20 | 10 9.8 | 18.4 |
| 92032 1999 $VE_{178}$ | 14.3 | X | 352.57426 | 292.50280 | 64.05743 | 10.33777 | 0.0172675 | 0.18662787 | 3.0326227 | 20 | 10 11.5 | 18.5 |
| 92033 1999 $VG_{179}$ | 14.6 | X | 282.07848 | 310.59440 | 124.91935 | 12.99081 | 0.1181761 | 0.18464385 | 3.0543079 | 20 | 10 7.0 | 18.8 |
| 92034 1999 $VP_{179}$ | 14.5 | X | 254.58565 | 187.75616 | 190.56645 | 16.14538 | 0.0938982 | 0.17378365 | 3.1802659 | 20 | 6 16.5 | 19.4 |
| 92035 1999 $VD_{180}$ | 16.2 | X | 356.37410 | 199.96147 | 194.06380 | 10.86281 | 0.2341759 | 0.19086773 | 2.9875444 | 20 | 12 20.7 | 19.6 |
| 92036 1999 $VZ_{180}$ | 16.1 | X | 264.44298 | 227.11866 | 197.62886 | 21.83152 | 0.0827215 | 0.37160778 | 1.9160765 | 20 | 9 27.7 | 17.8 |
| 92037 1999 $VV_{185}$ | 15.4 | X | 336.04577 | 201.97099 | 151.35775 | 2.03354 | 0.2087047 | 0.18276100 | 3.0752496 | 20 | 9 6.7 | 18.5 |
| 92038 1999 $VK_{186}$ | 14.7 | X | 255.79453 | 233.49302 | 206.33483 | 8.94241 | 0.1630282 | 0.18158361 | 3.0885286 | 20 | 8 23.0 | 19.3 |
| 92039 1999 $VJ_{187}$ | 14.5 | X | 172.87803 | 290.07710 | 217.13586 | 15.33773 | 0.0528758 | 0.17933533 | 3.1142883 | 20 | 8 22.9 | 19.4 |
| 92040 1999 $VQ_{192}$ | 14.1 | X | 202.87274 | 178.47271 | 243.50417 | 11.12091 | 0.0611079 | 0.17461062 | 3.1702167 | 20 | 6 15.5 | 18.8 |
| 92041 1999 $VV_{194}$ | 14.7 | X | 88.15775 | 237.26723 | 90.92485 | 3.23775 | 0.0844213 | 0.19587938 | 2.9363663 | 20 | — | — |
| 92042 1999 $VB_{195}$ | 14.6 | X | 341.31205 | 281.43077 | 61.65848 | 10.65335 | 0.1001540 | 0.18316685 | 3.0707053 | 20 | 9 10.4 | 18.5 |
| 92043 1999 $VJ_{196}$ | 14.4 | X | 320.88628 | 278.77471 | 35.02317 | 21.12896 | 0.1454702 | 0.17911562 | 3.1168345 | 20 | 6 13.5 | 18.5 |
| 92044 1999 $VL_{196}$ | 15.2 | X | 61.15343 | 215.23893 | 123.09922 | 3.25691 | 0.1068978 | 0.19428169 | 2.9524426 | 20 | 12 22.8 | 19.5 |
| 92045 1999 $VO_{199}$ | 14.5 | X | 265.03805 | 251.98650 | 181.30081 | 17.57359 | 0.1858679 | 0.18029102 | 3.1032730 | 20 | 8 23.0 | 19.0 |
| 92046 1999 $VG_{200}$ | 14.1 | X | 195.01450 | 299.73130 | 174.95586 | 16.83677 | 0.1963995 | 0.17582883 | 3.1555567 | 20 | 8 3.0 | 19.6 |
| 92047 1999 $VR_{200}$ | 14.4 | X | 349.05235 | 94.94653 | 333.22769 | 9.46275 | 0.0412261 | 0.19252078 | 2.9704185 | 20 | — | — |
| 92048 1999 $VW_{202}$ | 14.4 | X | 221.94991 | 4.28857 | 348.41664 | 14.75278 | 0.1595704 | 0.22264608 | 2.6960380 | 20 | 3 30.8 | 18.9 |
| 92049 1999 $VN_{203}$ | 13.9 | X | 238.61698 | 164.68281 | 309.69859 | 10.34815 | 0.1229154 | 0.18375830 | 3.0641128 | 20 | 9 18.9 | 18.5 |
| 92050 1999 $VQ_{205}$ | 14.6 | X | 136.21782 | 23.27265 | 233.03089 | 9.49367 | 0.0491977 | 0.19231087 | 2.9725796 | 20 | 11 30.9 | 18.9 |
| 92051 1999 $VM_{206}$ | 14.5 | X | 127.01711 | 201.89316 | 34.33621 | 6.75162 | 0.1412251 | 0.18594501 | 3.0400428 | 20 | 10 30.5 | 19.3 |
| 92052 1999 $VU_{206}$ | 14.5 | X | 108.45622 | 17.90208 | 39.00854 | 9.43149 | 0.1462571 | 0.21206724 | 2.7849687 | 20 | 3 8.1 | 18.5 |
| 92053 1999 $VJ_{210}$ | 15.0 | X | 257.62667 | 340.52371 | 115.67727 | 8.43805 | 0.1856088 | 0.18249721 | 3.0782122 | 20 | 9 18.2 | 19.4 |
| 92054 1999 $VL_{210}$ | 14.3 | X | 357.55975 | 278.08612 | 102.92874 | 11.88264 | 0.0681680 | 0.18725020 | 3.0258997 | 20 | 11 19.9 | 18.3 |
| 92055 1999 $VJ_{213}$ | 14.3 | X | 225.36438 | 272.57911 | 196.33469 | 10.63797 | 0.1724042 | 0.17969527 | 3.1101282 | 20 | 8 25.1 | 19.3 |
| 92056 1999 $VM_{213}$ | 13.7 | X | 184.56802 | 71.86516 | 83.29689 | 10.81404 | 0.2145557 | 0.18092672 | 3.0959997 | 20 | 9 19.1 | 19.1 |
| 92057 1999 $VS_{215}$ | 14.8 | X | 182.79260 | 228.54243 | 288.66932 | 7.80656 | 0.0339276 | 0.18319097 | 3.0704357 | 20 | 9 18.1 | 19.3 |
| 92058 1999 $VW_{216}$ | 14.8 | X | 294.36611 | 27.01978 | 41.59007 | 10.08550 | 0.0402253 | 0.18741283 | 3.0241489 | 20 | 10 21.2 | 18.8 |
| 92059 1999 $VW_{223}$ | 14.4 | X | 222.47434 | 250.19692 | 158.52830 | 10.96270 | 0.1145667 | 0.17172444 | 3.2056392 | 20 | 6 17.3 | 19.5 |
| 92060 1999 $WY_{6}$ | 14.3 | X | 295.53391 | 126.20689 | 236.92328 | 12.09965 | 0.1220394 | 0.17593745 | 3.1542578 | 20 | 7 13.7 | 18.6 |
| 92061 1999 $WA_{8}$ | 13.9 | X | 176.62364 | 200.13121 | 296.40399 | 8.83673 | 0.1393149 | 0.17752952 | 3.1353714 | 20 | 8 15.2 | 19.0 |
| 92062 1999 $WJ_{10}$ | 15.2 | X | 10.53887 | 182.48677 | 207.33345 | 10.17915 | 0.0865497 | 0.19380674 | 2.9572643 | 20 | 12 19.2 | 19.2 |
| 92063 1999 $WY_{10}$ | 13.8 | X | 41.99673 | 175.06581 | 73.17093 | 13.48256 | 0.0425680 | 0.17315802 | 3.1879216 | 20 | 7 29.4 | 18.3 |
| 92064 1999 $WA_{13}$ | 14.4 | X | 37.70470 | 124.28897 | 334.56655 | 12.94970 | 0.1121065 | 0.20195097 | 2.8772135 | 20 | 1 14.7 | 17.9 |
| 92065 1999 $WC_{13}$ | 14.4 | X | 51.52605 | 240.05880 | 24.89209 | 13.19417 | 0.0525713 | 0.18383750 | 3.0632326 | 20 | 9 7.7 | 18.7 |
| 92066 1999 $WA_{14}$ | 13.7 | X | 229.14340 | 91.00332 | 54.41448 | 11.54195 | 0.0764550 | 0.18689475 | 3.0297350 | 20 | 10 29.5 | 18.0 |
| 92067 1999 $WP_{14}$ | 14.6 | X | 152.22289 | 292.37836 | 235.40228 | 13.57356 | 0.0788997 | 0.17861766 | 3.1226246 | 20 | 8 25.4 | 19.7 |
| 92068 1999 $WT_{14}$ | 14.6 | X | 196.53347 | 249.08323 | 235.51955 | 13.39877 | 0.2138748 | 0.17742684 | 3.1365810 | 20 | 8 12.4 | 20.1 |
| 92069 1999 $WV_{15}$ | 14.9 | X | 31.99943 | 195.92034 | 69.61497 | 2.71001 | 0.1431540 | 0.17881777 | 3.1202946 | 20 | 8 18.9 | 18.8 |
| 92070 1999 $WC_{18}$ | 14.7 | X | 22.57754 | 20.98160 | 228.05445 | 13.69595 | 0.0349731 | 0.17367475 | 3.1815952 | 20 | 6 28.7 | 19.2 |
| 92071 1999 $WJ_{18}$ | 14.4 | X | 267.93816 | 355.79142 | 76.79565 | 16.71005 | 0.1641816 | 0.18036475 | 3.1024273 | 20 | 9 9.5 | 19.0 |
| 92072 1999 $WO_{20}$ | 14.4 | X | 145.78196 | 14.98169 | 113.43634 | 6.18590 | 0.1184296 | 0.17009684 | 3.2260558 | 20 | 7 8.2 | 19.5 |
| 92073 1999 $XA_{3}$ | 15.3 | X | 351.43964 | 216.70698 | 151.21469 | 3.64245 | 0.2696039 | 0.18658680 | 3.0330677 | 20 | 11 9.1 | 18.0 |
| 92074 1999 $XR_{3}$ | 13.8 | X | 80.82069 | 240.71501 | 79.71470 | 10.56634 | 0.0682155 | 0.19099896 | 2.9861759 | 20 | 12 17.8 | 18.0 |
| 92075 1999 $XS_{4}$ | 14.9 | X | 214.92807 | 202.13118 | 212.35442 | 4.95518 | 0.1200892 | 0.17174299 | 3.2054084 | 20 | 6 15.6 | 19.9 |
| 92076 1999 $XZ_{6}$ | 14.6 | X | 325.99244 | 111.02381 | 328.33526 | 2.85460 | 0.0935572 | 0.18971036 | 2.9996830 | 20 | 12 15.5 | 18.4 |
| 92077 1999 $XB_{7}$ | 14.7 | X | 234.01809 | 36.08729 | 32.62458 | 5.24186 | 0.0999585 | 0.17512078 | 3.1640567 | 20 | 7 27.2 | 19.5 |
| 92078 1999 $XF_{10}$ | 14.4 | X | 300.83199 | 137.78320 | 283.82511 | 9.18610 | 0.1225282 | 0.18597554 | 3.0397101 | 20 | 10 6.3 | 18.4 |
| 92079 1999 $XN_{10}$ | 14.1 | X | 198.71588 | 146.47282 | 295.32921 | 8.32838 | 0.0471533 | 0.17403179 | 3.1772423 | 20 | 7 6.9 | 18.8 |
| 92080 1999 $XX_{13}$ | 14.3 | X | 206.26168 | 269.13008 | 212.13900 | 16.18846 | 0.1444543 | 0.17801400 | 3.1296801 | 20 | 8 21.4 | 19.5 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92081 1999 $XV_{17}$ | 13.8 | X | 45.67252 | 59.13318 | 20.59318 | 15.15817 | 0.1291101 | 0.20525947 | 2.8462120 | 20 | — | — |
| 92082 1999 $XE_{18}$ | 13.5 | X | 251.08759 | 51.63101 | 21.30687 | 9.84006 | 0.0850827 | 0.18324170 | 3.0698690 | 20 | 8 26.9 | 18.0 |
| 92083 1999 $XD_{20}$ | 14.6 | X | 283.83175 | 345.32864 | 56.21293 | 13.63875 | 0.1060357 | 0.18167870 | 3.0874508 | 20 | 8 29.4 | 19.0 |
| 92084 1999 $XD_{21}$ | 14.4 | X | 255.50848 | 318.33051 | 106.59966 | 8.55788 | 0.1365022 | 0.17839407 | 3.1252333 | 20 | 8 11.7 | 18.9 |
| 92085 1999 $XH_{21}$ | 14.6 | X | 348.43567 | 261.32504 | 108.35235 | 3.14048 | 0.0931762 | 0.18669611 | 3.0318837 | 20 | 10 22.8 | 18.3 |
| 92086 1999 $XG_{23}$ | 14.4 | X | 177.54942 | 7.78965 | 33.41445 | 9.64727 | 0.1745100 | 0.21621686 | 2.7492212 | 20 | 4 23.6 | 18.8 |
| 92087 1999 $XL_{23}$ | 14.6 | X | 321.04596 | 264.09395 | 90.75593 | 11.05479 | 0.0988549 | 0.18037020 | 3.1023648 | 20 | 8 21.3 | 18.6 |
| 92088 1999 $XW_{23}$ | 13.8 | X | 288.71361 | 170.85834 | 238.95325 | 8.95348 | 0.0930796 | 0.18328484 | 3.0693872 | 20 | 9 6.5 | 18.1 |
| 92089 1999 $XJ_{24}$ | 14.3 | X | 344.71726 | 259.70426 | 49.81256 | 22.59236 | 0.0952098 | 0.17801333 | 3.1296879 | 20 | 8 1.7 | 18.7 |
| 92090 1999 $XZ_{26}$ | 14.3 | X | 203.59607 | 321.07892 | 109.91820 | 2.66245 | 0.1719187 | 0.17192105 | 3.2031948 | 20 | 6 22.0 | 19.4 |
| 92091 1999 $XL_{28}$ | 14.1 | X | 230.57750 | 55.83826 | 73.99642 | 11.38087 | 0.0236152 | 0.18415745 | 3.0596836 | 20 | 10 21.3 | 18.5 |
| 92092 1999 $XM_{28}$ | 14.7 | X | 281.89098 | 331.64907 | 78.13453 | 9.86448 | 0.1116009 | 0.18040876 | 3.1019226 | 20 | 9 3.1 | 19.0 |
| 92093 1999 $XD_{29}$ | 13.4 | X | 122.27527 | 162.93921 | 82.79485 | 12.80993 | 0.0609990 | 0.18504204 | 3.0499247 | 20 | 11 6.2 | 18.1 |
| 92094 1999 $XN_{29}$ | 13.5 | X | 80.19902 | 102.23051 | 76.23184 | 23.64014 | 0.0479429 | 0.16926230 | 3.2366511 | 20 | 6 17.0 | 18.1 |
| 92095 1999 $XP_{30}$ | 14.4 | X | 204.63731 | 272.03161 | 221.88651 | 11.68395 | 0.1026375 | 0.17841436 | 3.1249963 | 20 | 9 8.3 | 19.3 |
| 92096 1999 $XJ_{33}$ | 14.8 | X | 325.83047 | 182.80577 | 260.85273 | 2.89743 | 0.3788047 | 0.18772404 | 3.0208057 | 20 | 12 28.3 | 16.1 |
| 92097 Aidai | 14.3 | X | 128.56843 | 330.18162 | 171.24250 | 1.14335 | 0.0953911 | 0.16758258 | 3.2582429 | 20 | 7 4.7 | 19.2 |
| 92098 1999 $XS_{40}$ | 14.8 | X | 266.93042 | 237.75912 | 241.90283 | 11.40156 | 0.1124168 | 0.18790564 | 3.0188591 | 20 | 11 5.7 | 18.9 |
| 92099 1999 $XJ_{41}$ | 14.3 | X | 289.43980 | 236.73746 | 215.09737 | 9.45914 | 0.0905610 | 0.18766428 | 3.0214469 | 20 | 11 6.4 | 18.2 |
| 92100 1999 $XR_{43}$ | 14.9 | X | 248.83938 | 192.25774 | 263.59536 | 5.08438 | 0.1414312 | 0.18191147 | 3.0848165 | 20 | 9 7.2 | 19.5 |
| 92101 1999 $XY_{46}$ | 14.2 | X | 153.52299 | 202.88337 | 263.15606 | 3.35880 | 0.1508772 | 0.16829445 | 3.2490484 | 20 | 6 19.8 | 19.5 |
| 92102 1999 $XO_{47}$ | 14.3 | X | 338.96546 | 76.39778 | 248.67945 | 11.50729 | 0.0451725 | 0.17693547 | 3.1423853 | 20 | 8 3.2 | 18.7 |
| 92103 1999 $XX_{49}$ | 14.6 | X | 220.68417 | 164.60121 | 340.65978 | 0.93221 | 0.2074362 | 0.18252398 | 3.0779113 | 20 | 10 2.9 | 19.5 |
| 92104 1999 $XA_{53}$ | 15.1 | X | 237.18451 | 215.12900 | 260.91389 | 0.23266 | 0.1452355 | 0.18185979 | 3.0854008 | 20 | 9 21.0 | 19.6 |
| 92105 1999 $XB_{54}$ | 14.7 | X | 283.67756 | 277.42299 | 132.38329 | 2.38129 | 0.1590324 | 0.18033349 | 3.1027858 | 20 | 8 24.9 | 18.7 |
| 92106 1999 $XH_{55}$ | 13.8 | X | 326.77940 | 279.69654 | 70.50677 | 23.42119 | 0.0560319 | 0.17824850 | 3.1269346 | 20 | 9 3.9 | 18.4 |
| 92107 1999 $XH_{56}$ | 14.6 | X | 329.65429 | 296.08816 | 70.69648 | 16.01511 | 0.2250766 | 0.18219803 | 3.0815811 | 20 | 9 21.4 | 18.0 |
| 92108 1999 $XO_{56}$ | 14.7 | X | 338.13532 | 290.09834 | 84.80760 | 4.48828 | 0.2323860 | 0.18433764 | 3.0576894 | 20 | 10 15.5 | 17.6 |
| 92109 1999 $XV_{57}$ | 14.4 | X | 232.35588 | 161.20684 | 225.04531 | 5.48762 | 0.1434639 | 0.17069926 | 3.2184613 | 20 | 5 27.9 | 19.4 |
| 92110 1999 $XM_{62}$ | 15.0 | X | 287.62785 | 299.71983 | 75.75125 | 0.26240 | 0.1469666 | 0.17668642 | 3.1453376 | 20 | 7 17.8 | 19.2 |
| 92111 1999 $XU_{64}$ | 14.6 | X | 225.59883 | 26.75553 | 69.62403 | 2.28048 | 0.1644221 | 0.17701962 | 3.1413894 | 20 | 8 14.2 | 19.5 |
| 92112 1999 $XY_{69}$ | 14.6 | X | 167.82114 | 7.58705 | 107.61533 | 2.46505 | 0.1075915 | 0.17033885 | 3.2229995 | 20 | 7 13.6 | 19.6 |
| 92113 1999 $XE_{73}$ | 14.6 | X | 271.39846 | 238.96364 | 162.42528 | 2.06218 | 0.1155846 | 0.17605904 | 3.1528054 | 20 | 8 2.6 | 18.9 |
| 92114 1999 $XP_{73}$ | 14.4 | X | 209.15730 | 246.81736 | 217.07898 | 0.55225 | 0.1277278 | 0.17501498 | 3.1653318 | 20 | 8 8.9 | 19.4 |
| 92115 1999 $XD_{74}$ | 14.4 | X | 217.64181 | 358.06516 | 89.98694 | 2.63621 | 0.1553362 | 0.17346457 | 3.1841647 | 20 | 7 27.3 | 19.5 |
| 92116 1999 $XU_{75}$ | 14.1 | X | 248.33254 | 339.45300 | 84.68349 | 11.86200 | 0.1996567 | 0.17470550 | 3.1690687 | 20 | 7 25.1 | 19.0 |
| 92117 1999 $XD_{78}$ | 14.3 | X | 198.30629 | 8.59783 | 61.25932 | 1.04602 | 0.1647807 | 0.16974371 | 3.2305286 | 20 | 6 16.2 | 19.6 |
| 92118 1999 $XK_{81}$ | 14.2 | X | 73.26657 | 189.18039 | 257.99698 | 6.92352 | 0.0964258 | 0.15439846 | 3.4411802 | 20 | 2 21.8 | 18.9 |
| 92119 1999 $XW_{81}$ | 14.1 | X | 244.89424 | 136.24434 | 260.01467 | 4.91720 | 0.1338339 | 0.17139716 | 3.2097187 | 20 | 6 22.9 | 18.8 |
| 92120 1999 $XV_{84}$ | 14.5 | X | 225.63500 | 283.68344 | 157.74336 | 2.10416 | 0.1991180 | 0.17217780 | 3.2000095 | 20 | 7 22.4 | 19.6 |
| 92121 1999 $XN_{87}$ | 14.2 | X | 305.61022 | 348.00353 | 89.73727 | 18.50834 | 0.1708489 | 0.18494023 | 3.0510439 | 20 | 11 11.5 | 17.9 |
| 92122 1999 $XT_{96}$ | 13.4 | X | 179.02820 | 214.34161 | 258.78804 | 19.09382 | 0.2280192 | 0.17061868 | 3.2194745 | 20 | 7 16.3 | 19.2 |
| 92123 1999 $XR_{97}$ | 14.2 | X | 174.75309 | 22.66123 | 67.01819 | 1.67748 | 0.1105765 | 0.16828348 | 3.2491896 | 20 | 6 19.1 | 19.4 |
| 92124 1999 $XE_{104}$ | 14.8 | X | 213.77485 | 5.10418 | 57.34499 | 1.98935 | 0.1626876 | 0.17035589 | 3.2227846 | 20 | 6 21.3 | 19.8 |
| 92125 1999 $XP_{105}$ | 14.8 | X | 285.43278 | 58.22874 | 322.70250 | 5.53636 | 0.1643564 | 0.17666962 | 3.1455371 | 20 | 7 19.9 | 19.1 |
| 92126 1999 $XX_{106}$ | 14.1 | X | 267.75826 | 341.20372 | 32.81766 | 14.36535 | 0.1505354 | 0.17625752 | 3.1504380 | 20 | 6 17.7 | 18.9 |
| 92127 1999 $XE_{107}$ | 14.0 | X | 54.47384 | 178.20771 | 47.88333 | 12.84713 | 0.0417124 | 0.17515593 | 3.1636334 | 20 | 7 17.2 | 18.6 |
| 92128 1999 $XL_{107}$ | 14.0 | X | 190.88016 | 285.90211 | 233.92434 | 17.27273 | 0.2728239 | 0.18154067 | 3.0890155 | 20 | 9 15.8 | 19.8 |
| 92129 1999 $XP_{107}$ | 14.4 | X | 180.03579 | 213.12172 | 243.61953 | 3.77776 | 0.1131333 | 0.17242663 | 3.1969302 | 20 | 7 2.8 | 19.4 |
| 92130 1999 $XQ_{107}$ | 13.8 | X | 29.93575 | 343.74769 | 26.39765 | 10.03763 | 0.0834329 | 0.19190769 | 2.9767416 | 20 | 12 19.3 | 17.9 |
| 92131 1999 $XT_{107}$ | 14.2 | X | 256.56969 | 138.10750 | 244.43634 | 8.10997 | 0.0871771 | 0.17496619 | 3.1659201 | 20 | 6 24.8 | 18.8 |
| 92132 1999 $XK_{109}$ | 14.1 | X | 189.76524 | 92.10420 | 68.86689 | 10.48309 | 0.0403158 | 0.18362671 | 3.0655764 | 20 | 10 9.7 | 18.7 |
| 92133 1999 $XL_{109}$ | 14.0 | X | 256.52662 | 7.76040 | 74.71500 | 9.37943 | 0.2361874 | 0.18107780 | 3.0942774 | 20 | 8 24.3 | 18.7 |
| 92134 1999 $XX_{111}$ | 14.3 | X | 325.25427 | 266.18567 | 67.82284 | 16.89525 | 0.2421124 | 0.17801852 | 3.1296271 | 20 | 7 12.5 | 17.8 |
| 92135 1999 $XR_{112}$ | 13.9 | X | 20.29169 | 24.26256 | 294.19342 | 17.37966 | 0.1606898 | 0.18636587 | 3.0354643 | 20 | 10 1.3 | 18.0 |
| 92136 1999 $XT_{112}$ | 14.1 | X | 90.07900 | 0.54321 | 342.67451 | 19.38858 | 0.1820087 | 0.19777904 | 2.9175336 | 20 | — | — |
| 92137 1999 $XA_{113}$ | 14.4 | X | 243.94243 | 44.11321 | 333.88608 | 14.62881 | 0.1240129 | 0.17343306 | 3.1845504 | 20 | 5 28.6 | 19.5 |
| 92138 1999 $XK_{113}$ | 14.7 | X | 36.32817 | 30.66980 | 331.17558 | 12.83585 | 0.1351421 | 0.19210002 | 2.9747544 | 20 | 12 26.6 | 19.0 |
| 92139 1999 $XF_{114}$ | 14.5 | X | 269.08358 | 104.00721 | 331.47034 | 12.96037 | 0.1852363 | 0.18213457 | 3.0822969 | 20 | 9 1.6 | 18.7 |
| 92140 1999 $XR_{114}$ | 14.1 | X | 238.53057 | 75.19125 | 349.49028 | 10.65723 | 0.1438545 | 0.17608392 | 3.1525083 | 20 | 7 23.5 | 19.0 |
| 92141 1999 $XQ_{115}$ | 14.6 | X | 13.03276 | 123.42407 | 274.82514 | 7.96544 | 0.0671709 | 0.19324399 | 2.9630028 | 20 | 12 30.6 | 18.4 |
| 92142 1999 $XG_{116}$ | 14.6 | X | 29.91519 | 6.52240 | 12.26939 | 11.09883 | 0.1105606 | 0.19278184 | 2.9677362 | 20 | — | — |
| 92143 1999 $XN_{116}$ | 14.2 | X | 243.93176 | 86.76629 | 38.02838 | 12.56561 | 0.0387197 | 0.18629348 | 3.0362506 | 20 | 10 25.7 | 18.5 |
| 92144 1999 $XS_{117}$ | 14.5 | X | 243.27877 | 9.30638 | 8.99607 | 4.95118 | 0.1390199 | 0.17250782 | 3.1959271 | 20 | 5 28.5 | 19.5 |
| 92145 1999 $XE_{121}$ | 14.4 | X | 16.44972 | 207.46663 | 45.76921 | 11.05479 | 0.0230918 | 0.17183013 | 3.2043246 | 20 | 6 26.4 | 18.9 |
| 92146 1999 $XF_{122}$ | 15.0 | X | 340.79831 | 67.38971 | 15.40912 | 12.75923 | 0.2247377 | 0.19272900 | 2.9682787 | 20 | — | — |
| 92147 1999 $XH_{122}$ | 14.3 | X | 18.65992 | 85.53907 | 283.74595 | 10.45826 | 0.0866501 | 0.18994648 | 2.9971965 | 20 | 12 3.6 | 18.3 |
| 92148 1999 $XU_{123}$ | 14.6 | X | 357.88779 | 12.47694 | 15.12662 | 9.69080 | 0.0286931 | 0.18847816 | 3.0127426 | 20 | 11 19.9 | 18.8 |
| 92149 1999 $XN_{124}$ | 14.4 | X | 287.72437 | 107.57832 | 289.17417 | 8.17646 | 0.0598621 | 0.17993168 | 3.1074033 | 20 | 8 24.4 | 18.7 |
| 92150 1999 $XQ_{124}$ | 14.8 | X | 226.64350 | 31.05145 | 27.11199 | 10.41225 | 0.1155776 | 0.17338704 | 3.1851139 | 20 | 7 3.4 | 19.8 |
| 92151 1999 $XF_{130}$ | 13.9 | X | 36.92394 | 327.53346 | 41.82492 | 10.47957 | 0.1177266 | 0.19004484 | 2.9961622 | 20 | — | — |
| 92152 1999 $XB_{132}$ | 14.2 | X | 147.12793 | 127.25720 | 12.50649 | 6.38590 | 0.1159792 | 0.16986842 | 3.2289473 | 20 | 7 25.2 | 19.3 |
| 92153 1999 $XM_{133}$ | 14.4 | X | 288.51028 | 93.65545 | 305.10230 | 16.28665 | 0.1854852 | 0.17743865 | 3.1364418 | 20 | 8 10.3 | 18.4 |
| 92154 1999 $XD_{136}$ | 16.5 | X | 247.52866 | 344.53760 | 73.27193 | 23.50964 | 0.0921385 | 0.36590543 | 1.9359322 | 20 | 8 29.1 | 19.2 |
| 92155 1999 $XU_{137}$ | 14.3 | X | 311.42544 | 43.99819 | 248.71756 | 13.90311 | 0.0456286 | 0.17014527 | 3.2254436 | 20 | 5 18.2 | 18.8 |
| 92156 1999 $XS_{139}$ | 15.9 | X | 324.28643 | 233.47891 | 122.04260 | 0.44620 | 0.1791272 | 0.18043270 | 3.1016483 | 20 | 8 17.3 | 19.4 |
| 92157 1999 $XC_{141}$ | 14.6 | X | 95.73264 | 153.66202 | 220.55151 | 1.17754 | 0.0834066 | 0.20339525 | 2.8635769 | 20 | — | — |
| 92158 1999 $XW_{141}$ | 15.5 | X | 81.11423 | 155.78141 | 297.18483 | 38.31006 | 0.1439300 | 0.39477514 | 1.8403603 | 20 | 1 29.9 | 16.7 |
| 92159 1999 $XB_{142}$ | 16.3 | X | 219.69564 | 183.38409 | 276.61530 | 17.07414 | 0.0977568 | 0.36902857 | 1.9249940 | 20 | 8 28.2 | 18.9 |
| 92160 1999 $XO_{144}$ | 14.2 | X | 145.47460 | 246.65260 | 269.87434 | 13.57532 | 0.0901076 | 0.17359787 | 3.1825345 | 20 | 8 5.7 | 19.3 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92161 1999 $XV_{144}$ | 14.5 | X | 188.30902 | 36.07852 | 59.50548 | 10.21048 | 0.0537134 | 0.17395104 | 3.1782254 | 20 | 7 12.7 | 19.3 |
| 92162 1999 $XG_{151}$ | 13.6 | X | 26.65043 | 288.07759 | 75.61951 | 11.18057 | 0.1172911 | 0.19331571 | 2.9622698 | 20 | 12 12.7 | 17.5 |
| 92163 1999 $XD_{153}$ | 15.2 | X | 281.80425 | 281.96535 | 162.60793 | 7.69202 | 0.1305510 | 0.18354616 | 3.0664733 | 20 | 10 12.6 | 19.1 |
| 92164 1999 $XK_{153}$ | 14.4 | X | 282.70879 | 10.75131 | 59.52295 | 10.97297 | 0.0648021 | 0.18206204 | 3.0831154 | 20 | 10 7.4 | 18.7 |
| 92165 1999 $XW_{160}$ | 14.3 | X | 261.08903 | 153.02398 | 238.99051 | 4.49530 | 0.1517747 | 0.17151851 | 3.2082046 | 20 | 7 3.3 | 18.9 |
| 92166 1999 $XK_{162}$ | 15.5 | X | 54.91490 | 287.68515 | 312.59563 | 18.38312 | 0.0534073 | 0.36379294 | 1.9434194 | 20 | 8 21.0 | 17.3 |
| 92167 1999 $XG_{166}$ | 13.8 | X | 337.00473 | 59.64214 | 18.04492 | 10.43298 | 0.0892652 | 0.19199803 | 2.9758078 | 20 | 12 31.6 | 17.7 |
| 92168 1999 $XV_{168}$ | 14.1 | X | 212.02988 | 32.51350 | 34.82066 | 6.77330 | 0.1416031 | 0.17120695 | 3.2120956 | 20 | 6 27.1 | 19.3 |
| 92169 1999 $XN_{181}$ | 13.4 | X | 170.84423 | 167.49313 | 276.84909 | 20.81944 | 0.0341068 | 0.16943324 | 3.2344738 | 20 | 6 8.3 | 18.3 |
| 92170 1999 $XU_{183}$ | 14.1 | X | 278.01564 | 155.48457 | 303.12415 | 9.06791 | 0.2940455 | 0.18460656 | 3.0547192 | 20 | 9 23.3 | 18.2 |
| 92171 1999 $XC_{184}$ | 14.5 | X | 342.17971 | 94.11137 | 346.02214 | 8.25995 | 0.2107987 | 0.19096890 | 2.9864892 | 20 | — | — |
| 92172 1999 $XJ_{185}$ | 14.4 | X | 213.18645 | 18.07265 | 34.43699 | 16.89668 | 0.1058985 | 0.17027411 | 3.2238165 | 20 | 6 9.4 | 19.6 |
| 92173 1999 $XM_{185}$ | 14.3 | X | 295.89569 | 356.77476 | 50.03540 | 17.14475 | 0.0889730 | 0.18100481 | 3.0951092 | 20 | 9 26.9 | 18.6 |
| 92174 1999 $XZ_{189}$ | 14.2 | X | 347.88801 | 74.51372 | 283.85450 | 21.15725 | 0.2603025 | 0.18327303 | 3.0695192 | 20 | 9 29.9 | 17.7 |
| 92175 1999 $XP_{191}$ | 13.6 | X | 279.82594 | 297.76262 | 69.37720 | 26.19239 | 0.1461162 | 0.17267584 | 3.1938535 | 20 | 6 23.4 | 18.2 |
| 92176 1999 $XG_{194}$ | 14.0 | X | 230.13956 | 126.77003 | 351.59002 | 8.04836 | 0.1771269 | 0.17914647 | 3.1164767 | 20 | 9 12.7 | 18.8 |
| 92177 1999 $XC_{196}$ | 14.7 | X | 315.67902 | 91.96374 | 318.53332 | 8.43081 | 0.1506015 | 0.18282093 | 3.0745774 | 20 | 10 13.9 | 18.4 |
| 92178 1999 $XQ_{196}$ | 15.0 | X | 298.28270 | 89.26412 | 346.61088 | 8.42124 | 0.1085780 | 0.18289541 | 3.0737427 | 20 | 10 23.4 | 19.0 |
| 92179 1999 $XC_{200}$ | 14.1 | X | 275.08861 | 67.29029 | 289.46309 | 20.32218 | 0.0466099 | 0.16990147 | 3.2285286 | 20 | 6 22.9 | 18.7 |
| 92180 1999 $XO_{200}$ | 14.2 | X | 207.59095 | 222.56589 | 314.04472 | 8.78764 | 0.0517959 | 0.18332408 | 3.0689492 | 20 | 11 8.7 | 18.8 |
| 92181 1999 $XU_{202}$ | 14.4 | X | 181.82460 | 148.49416 | 316.49756 | 12.02668 | 0.1809092 | 0.16868126 | 3.2440795 | 20 | 7 15.3 | 19.8 |
| 92182 1999 $XG_{203}$ | 13.9 | X | 197.47833 | 43.90246 | 68.19563 | 16.30623 | 0.1551714 | 0.17237488 | 3.1975700 | 20 | 8 10.9 | 19.3 |
| 92183 1999 $XE_{204}$ | 14.4 | X | 347.38555 | 324.30048 | 42.90272 | 7.47258 | 0.2568367 | 0.18165066 | 3.0877684 | 20 | 10 25.6 | 17.2 |
| 92184 1999 $XK_{204}$ | 13.2 | X | 203.06190 | 24.22237 | 344.16512 | 10.37095 | 0.0973796 | 0.16035811 | 3.3553829 | 20 | 4 6.9 | 18.5 |
| 92185 1999 $XM_{204}$ | 14.3 | X | 295.11103 | 339.93398 | 49.38374 | 11.39607 | 0.2109034 | 0.17614169 | 3.1518190 | 20 | 8 11.1 | 18.4 |
| 92186 1999 $XP_{209}$ | 14.3 | X | 314.52947 | 29.02319 | 29.47479 | 11.40798 | 0.1224074 | 0.18408511 | 3.0604852 | 20 | 10 28.4 | 17.8 |
| 92187 1999 $XB_{212}$ | 14.6 | X | 228.70600 | 71.44457 | 346.77381 | 11.31901 | 0.0829918 | 0.17021834 | 3.2245206 | 20 | 7 10.3 | 19.5 |
| 92188 1999 $XC_{213}$ | 14.7 | X | 227.28299 | 228.54589 | 165.61886 | 5.85151 | 0.1583866 | 0.17118673 | 3.2123485 | 20 | 6 1.0 | 19.8 |
| 92189 1999 $XM_{214}$ | 15.0 | X | 245.84175 | 64.59567 | 9.05770 | 2.69129 | 0.1925510 | 0.17675627 | 3.1445089 | 20 | 8 3.8 | 19.7 |
| 92190 1999 $XY_{215}$ | 14.6 | X | 303.73535 | 89.37902 | 283.24388 | 7.35576 | 0.0942154 | 0.17394406 | 3.1783105 | 20 | 8 11.7 | 18.7 |
| 92191 1999 $XO_{222}$ | 14.1 | X | 261.38469 | 61.89382 | 327.29634 | 4.28715 | 0.1502602 | 0.17240573 | 3.1971886 | 20 | 7 1.1 | 18.7 |
| 92192 1999 $XY_{227}$ | 14.1 | X | 158.74171 | 206.67351 | 298.34726 | 6.38830 | 0.2187463 | 0.17417852 | 3.1754576 | 20 | 8 10.9 | 19.5 |
| 92193 1999 $XG_{230}$ | 14.1 | X | 262.60071 | 148.40644 | 281.29535 | 8.96359 | 0.1069797 | 0.18283759 | 3.0743907 | 20 | 8 25.8 | 18.6 |
| 92194 1999 $XK_{230}$ | 13.1 | X | 48.57217 | 290.27627 | 12.55396 | 10.87397 | 0.0903858 | 0.18627404 | 3.0364618 | 20 | 10 19.9 | 17.2 |
| 92195 1999 $XP_{230}$ | 14.7 | X | 197.89157 | 79.57776 | 15.66446 | 5.35387 | 0.1386930 | 0.17428123 | 3.1742099 | 20 | 7 19.1 | 19.9 |
| 92196 1999 $XX_{233}$ | 14.9 | X | 220.44923 | 284.80299 | 139.11112 | 6.49278 | 0.1273671 | 0.17304790 | 3.1892740 | 20 | 7 2.1 | 19.8 |
| 92197 1999 $XA_{234}$ | 14.7 | X | 269.98549 | 220.19738 | 213.45123 | 15.59081 | 0.0775472 | 0.18172889 | 3.0868823 | 20 | 9 13.6 | 19.2 |
| 92198 1999 $XH_{239}$ | 14.4 | X | 33.17201 | 306.23592 | 22.09229 | 12.54817 | 0.0926591 | 0.18569542 | 3.0427662 | 20 | 10 31.4 | 18.5 |
| 92199 1999 $XE_{240}$ | 14.7 | X | 287.04786 | 133.64883 | 317.56353 | 8.59279 | 0.1206434 | 0.18596392 | 3.0398367 | 20 | 10 24.5 | 18.8 |
| 92200 1999 $XK_{241}$ | 13.3 | X | 306.24262 | 9.01644 | 52.46194 | 20.05285 | 0.1587012 | 0.17995244 | 3.1071644 | 20 | 10 21.8 | 17.1 |
| 92201 1999 $XU_{242}$ | 14.1 | X | 251.11580 | 99.57676 | 28.13089 | 13.54173 | 0.3097166 | 0.18078388 | 3.0976303 | 20 | 10 2.8 | 18.8 |
| 92202 1999 $XU_{247}$ | 14.2 | X | 6.36012 | 227.66961 | 101.59957 | 10.93145 | 0.1097675 | 0.18151428 | 3.0893150 | 20 | 10 2.8 | 18.2 |
| 92203 1999 $XT_{251}$ | 15.3 | X | 332.06335 | 195.54364 | 118.98462 | 2.64790 | 0.0818875 | 0.17497759 | 3.1657826 | 20 | 7 12.5 | 19.2 |
| 92204 1999 $XZ_{251}$ | 15.6 | X | 327.63543 | 191.64603 | 155.13627 | 2.30921 | 0.0988010 | 0.17875473 | 3.1210282 | 20 | 8 16.9 | 19.5 |
| 92205 1999 $YP$ | 16.2 | X | 55.13010 | 166.95319 | 113.83992 | 23.77565 | 0.0720664 | 0.37237793 | 1.9134337 | 20 | 11 15.7 | 18.9 |
| 92206 1999 $YJ_{6}$ | 16.2 | X | 310.81148 | 116.85335 | 305.85326 | 18.59368 | 0.0950945 | 0.37747433 | 1.8961722 | 20 | — | — |
| 92207 1999 $YU_{6}$ | 16.0 | X | 7.63843 | 27.74045 | 295.15770 | 18.69816 | 0.0585618 | 0.37081774 | 1.9187971 | 20 | 10 10.7 | 18.4 |
| 92208 1999 $YO_{17}$ | 14.8 | X | 299.93687 | 282.22739 | 96.16555 | 6.37784 | 0.1579637 | 0.17887225 | 3.1196610 | 20 | 8 9.2 | 18.6 |
| 92209 Pingtang | 13.5 | X | 268.64214 | 34.70520 | 37.57095 | 10.92213 | 0.1137016 | 0.18428567 | 3.0582642 | 20 | 9 14.5 | 17.8 |
| 92210 2000 $AH_{2}$ | 13.2 | X | 243.40212 | 333.31065 | 95.56777 | 18.93704 | 0.0931451 | 0.17097884 | 3.2149519 | 20 | 8 8.8 | 18.1 |
| 92211 2000 $AO_{3}$ | 14.0 | X | 238.56284 | 120.13291 | 325.67704 | 18.27853 | 0.1500058 | 0.17464724 | 3.1697735 | 20 | 8 15.7 | 18.8 |
| 92212 2000 $AQ_{5}$ | 14.3 | X | 235.51846 | 323.21439 | 98.70370 | 5.90602 | 0.1448347 | 0.17422620 | 3.1748782 | 20 | 7 13.9 | 19.1 |
| 92213 Kalina | 14.7 | X | 275.08553 | 279.59379 | 147.01962 | 5.40971 | 0.1466915 | 0.18039458 | 3.1020853 | 20 | 9 5.9 | 18.9 |
| 92214 2000 $AX_{6}$ | 14.4 | X | 216.68479 | 61.95793 | 354.34143 | 4.57722 | 0.1443536 | 0.17039948 | 3.2222349 | 20 | 6 17.7 | 19.6 |
| 92215 2000 $AM_{10}$ | 14.2 | X | 319.54498 | 55.05055 | 274.80361 | 15.64750 | 0.2447354 | 0.17777222 | 3.1325171 | 20 | 6 23.6 | 17.5 |
| 92216 2000 $AX_{10}$ | 14.8 | X | 16.55429 | 359.20831 | 53.67225 | 9.84253 | 0.0933036 | 0.19290263 | 2.9664972 | 20 | — | — |
| 92217 2000 $AD_{12}$ | 14.8 | X | 346.33579 | 356.72984 | 62.67853 | 10.31642 | 0.1392571 | 0.18912862 | 3.0058309 | 20 | 12 24.5 | 18.4 |
| 92218 2000 $AT_{20}$ | 14.5 | X | 248.28290 | 66.72787 | 20.65966 | 0.95971 | 0.1509111 | 0.17826359 | 3.1267580 | 20 | 8 28.4 | 19.2 |
| 92219 2000 $AA_{26}$ | 14.9 | X | 264.29233 | 355.59231 | 45.18318 | 0.64657 | 0.1916349 | 0.17309730 | 3.1886672 | 20 | 7 13.3 | 19.4 |
| 92220 2000 $AH_{43}$ | 16.3 | X | 274.10518 | 47.88765 | 285.88087 | 17.28415 | 0.0676524 | 0.35682541 | 1.9686365 | 20 | 5 10.9 | 18.8 |
| 92221 2000 $AJ_{44}$ | 15.0 | X | 290.92855 | 0.77767 | 32.16172 | 1.39219 | 0.1972107 | 0.17531718 | 3.1616933 | 20 | 8 7.2 | 19.1 |
| 92222 2000 $AP_{48}$ | 16.8 | X | 267.09565 | 14.40994 | 297.50725 | 17.41273 | 0.0575669 | 0.35385466 | 1.9796395 | 20 | 3 20.3 | 19.6 |
| 92223 2000 $AN_{82}$ | 14.8 | X | 231.93636 | 252.52983 | 196.82792 | 0.68509 | 0.1309624 | 0.17476482 | 3.1683516 | 20 | 8 14.2 | 19.6 |
| 92224 2000 $AR_{87}$ | 14.5 | X | 198.71296 | 312.01319 | 151.05566 | 4.06850 | 0.1320215 | 0.17008487 | 3.2262072 | 20 | 7 27.8 | 19.7 |
| 92225 2000 $AX_{87}$ | 14.1 | X | 305.99133 | 101.06560 | 293.70208 | 14.44350 | 0.2420481 | 0.17788812 | 3.1311564 | 20 | 8 21.8 | 17.8 |
| 92226 2000 $AZ_{92}$ | 16.3 | X | 348.65961 | 68.27776 | 307.39214 | 18.92607 | 0.1222091 | 0.37366094 | 1.9090512 | 20 | 12 31.9 | 18.1 |
| 92227 2000 $AU_{95}$ | 15.9 | X | 126.66987 | 184.96658 | 310.10634 | 17.27728 | 0.0758418 | 0.35603503 | 1.9715489 | 20 | 7 2.2 | 18.3 |
| 92228 2000 $AT_{98}$ | 14.5 | X | 251.06020 | 275.14272 | 184.25054 | 9.76571 | 0.2342832 | 0.18339866 | 3.0681172 | 20 | 9 3.3 | 19.1 |
| 92229 2000 $AM_{99}$ | 14.8 | X | 85.73705 | 237.48772 | 133.93411 | 3.80462 | 0.1823203 | 0.20032544 | 2.8927571 | 20 | — | — |
| 92230 2000 $AD_{100}$ | 13.7 | X | 173.55254 | 86.42938 | 80.20969 | 14.74855 | 0.1366579 | 0.18184869 | 3.0855264 | 20 | 9 28.2 | 18.9 |
| 92231 2000 $AT_{101}$ | 14.6 | X | 341.08356 | 217.79953 | 184.65584 | 7.03512 | 0.1794872 | 0.18918349 | 3.0052496 | 20 | 11 27.5 | 17.9 |
| 92232 2000 $AS_{102}$ | 14.2 | X | 37.19540 | 258.08318 | 97.15895 | 14.06762 | 0.1606998 | 0.19027079 | 2.9937897 | 20 | 12 21.8 | 18.3 |
| 92233 2000 $AU_{102}$ | 12.9 | X | 95.28506 | 133.98298 | 91.41865 | 10.47886 | 0.1343053 | 0.17838853 | 3.1252979 | 20 | 9 20.9 | 17.8 |
| 92234 2000 $AV_{103}$ | 13.6 | X | 325.36018 | 148.04561 | 236.05290 | 14.94596 | 0.1771483 | 0.18296631 | 3.0729486 | 20 | 9 23.2 | 17.3 |
| 92235 2000 $AK_{104}$ | 14.6 | X | 253.38542 | 280.11929 | 166.59634 | 5.89346 | 0.1424557 | 0.17980485 | 3.1088644 | 20 | 9 3.2 | 19.0 |
| 92236 2000 $AM_{112}$ | 14.5 | X | 278.29907 | 133.65769 | 248.36077 | 3.65689 | 0.1605151 | 0.17201298 | 3.2020534 | 20 | 7 10.6 | 18.8 |
| 92237 2000 $AO_{120}$ | 14.4 | X | 213.58772 | 250.58411 | 202.93998 | 4.62156 | 0.1203428 | 0.17059127 | 3.2198194 | 20 | 7 30.8 | 19.4 |
| 92238 2000 $AM_{131}$ | 14.4 | X | 10.18726 | 67.24290 | 319.03623 | 8.82812 | 0.0946354 | 0.18949738 | 3.0019301 | 20 | 12 14.2 | 18.4 |
| 92239 2000 $AA_{139}$ | 13.8 | X | 293.48462 | 337.79330 | 78.56091 | 12.53577 | 0.0945421 | 0.18509628 | 3.0493288 | 20 | 10 3.6 | 18.0 |
| 92240 2000 $AM_{146}$ | 16.6 | X | 267.59432 | 225.91202 | 120.37489 | 24.26366 | 0.0536511 | 0.35858406 | 1.9621945 | 20 | 6 4.8 | 19.2 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92241 2000 $AK_{148}$ | 14.9 | X | 146.35172 | 86.45075 | 286.04516 | 7.84206 | 0.1841506 | 0.20893948 | 2.8126932 | 20 | 2 19.8 | 19.5 |
| 92242 2000 $AO_{148}$ | 13.9 | X | 93.78740 | 150.95329 | 241.46222 | 14.37416 | 0.1425937 | 0.20485292 | 2.8499765 | 20 | 1 11.7 | 17.9 |
| 92243 2000 $AP_{148}$ | 13.4 | X | 126.80485 | 266.07669 | 238.35741 | 15.43843 | 0.1876713 | 0.17217372 | 3.2000601 | 20 | 7 10.8 | 18.8 |
| 92244 2000 $AR_{148}$ | 14.1 | X | 288.44675 | 269.12539 | 93.79060 | 18.02351 | 0.1395256 | 0.17606587 | 3.1527239 | 20 | 7 3.3 | 18.2 |
| 92245 2000 $AY_{149}$ | 13.4 | X | 328.31746 | 231.67963 | 133.06583 | 16.73152 | 0.2411473 | 0.17826380 | 3.1267557 | 20 | 9 5.5 | 16.5 |
| 92246 2000 $AQ_{153}$ | 13.9 | X | 297.37887 | 88.12544 | 308.09818 | 8.65486 | 0.1477103 | 0.18005065 | 3.1060344 | 20 | 8 26.7 | 17.9 |
| 92247 2000 $AY_{153}$ | 14.0 | X | 253.44393 | 353.82292 | 65.81824 | 12.51285 | 0.0640011 | 0.17523410 | 3.1626925 | 20 | 8 15.8 | 18.7 |
| 92248 2000 $AM_{154}$ | 13.8 | X | 7.54136 | 328.20105 | 330.55323 | 10.65279 | 0.0681024 | 0.17111660 | 3.2132261 | 20 | 8 15.8 | 18.0 |
| 92249 2000 $AN_{170}$ | 13.8 | X | 250.01370 | 315.55528 | 103.68173 | 23.37755 | 0.0631174 | 0.17571259 | 3.1569482 | 20 | 8 8.3 | 18.5 |
| 92250 2000 $AJ_{186}$ | 14.1 | X | 10.38887 | 202.51488 | 158.13336 | 10.78296 | 0.0784531 | 0.18794907 | 3.0183940 | 20 | 11 13.4 | 18.2 |
| 92251 2000 $AF_{187}$ | 14.0 | X | 218.10855 | 314.97707 | 126.98603 | 13.91118 | 0.0982033 | 0.17511894 | 3.1640788 | 20 | 7 24.6 | 18.8 |
| 92252 2000 $AQ_{187}$ | 14.0 | X | 181.70213 | 19.04440 | 109.74830 | 20.18870 | 0.0204458 | 0.17698445 | 3.1418056 | 20 | 8 19.3 | 18.7 |
| 92253 2000 $AH_{189}$ | 15.2 | X | 246.45866 | 239.33211 | 187.96767 | 11.25115 | 0.3030763 | 0.17451508 | 3.1713736 | 20 | 7 13.1 | 20.6 |
| 92254 2000 $AG_{199}$ | 14.2 | X | 323.46181 | 346.38842 | 92.84882 | 13.84605 | 0.1825071 | 0.19164466 | 2.9794646 | 20 | 12 13.2 | 17.3 |
| 92255 2000 $AU_{199}$ | 13.6 | X | 166.90278 | 37.91935 | 85.16614 | 22.88689 | 0.1041976 | 0.22342368 | 2.6897789 | 20 | 7 26.7 | 18.0 |
| 92256 2000 $AX_{200}$ | 14.7 | X | 336.17601 | 152.50239 | 218.91856 | 9.01744 | 0.1815815 | 0.18229586 | 3.0804785 | 20 | 9 30.7 | 18.0 |
| 92257 2000 $AS_{233}$ | 14.3 | X | 317.95494 | 304.78012 | 71.48851 | 18.74822 | 0.2635837 | 0.18361168 | 3.0657437 | 20 | 9 4.6 | 17.8 |
| 92258 2000 $AF_{245}$ | 14.1 | X | 248.87134 | 293.65347 | 153.55599 | 19.69975 | 0.0856968 | 0.17979730 | 3.1089514 | 20 | 9 7.7 | 18.6 |
| 92259 2000 $AG_{245}$ | 14.4 | X | 199.72962 | 240.45332 | 186.18149 | 18.41822 | 0.1332799 | 0.16994200 | 3.2280152 | 20 | 6 15.0 | 19.9 |
| 92260 2000 $BX_{4}$ | 15.0 | X | 237.24625 | 48.07508 | 19.79722 | 13.29490 | 0.2332418 | 0.17263120 | 3.1944042 | 20 | 7 16.9 | 20.4 |
| 92261 2000 $BY_{5}$ | 13.6 | X | 231.46794 | 25.59390 | 55.25441 | 14.41909 | 0.1044228 | 0.17211161 | 3.2008300 | 20 | 8 11.6 | 18.6 |
| 92262 2000 $BZ_{14}$ | 13.6 | X | 109.04516 | 27.45655 | 34.95070 | 10.57038 | 0.0669723 | 0.15013805 | 3.5059754 | 20 | 3 11.1 | 18.7 |
| 92263 2000 $BC_{17}$ | 14.6 | X | 277.40940 | 97.00047 | 313.34451 | 8.83429 | 0.0925592 | 0.17522441 | 3.1628091 | 20 | 8 24.1 | 18.9 |
| 92264 2000 $BW_{18}$ | 16.4 | X | 311.59802 | 41.48732 | 335.48633 | 18.72406 | 0.0901135 | 0.36714810 | 1.9315614 | 20 | 9 28.7 | 18.0 |
| 92265 2000 $BO_{22}$ | 13.8 | X | 310.24237 | 321.28015 | 274.21722 | 10.51795 | 0.0585853 | 0.15411656 | 3.4453750 | 20 | 3 1.6 | 18.9 |
| 92266 2000 $BX_{24}$ | 16.5 | X | 229.25285 | 77.11076 | 357.82599 | 19.04379 | 0.1024823 | 0.36284883 | 1.9467891 | 20 | 8 21.3 | 18.8 |
| 92267 2000 $BK_{26}$ | 14.8 | X | 312.68009 | 311.02372 | 129.89207 | 5.75115 | 0.2556562 | 0.18420025 | 3.0592096 | 20 | 11 17.1 | 17.7 |
| 92268 2000 $BJ_{49}$ | 17.0 | X | 59.84821 | 180.91252 | 305.51744 | 17.24306 | 0.0344419 | 0.34734506 | 2.0042965 | 20 | 2 17.7 | 19.1 |
| 92269 2000 $CM_{2}$ | 13.8 | X | 274.86616 | 88.98483 | 350.39627 | 23.62119 | 0.2609389 | 0.17680317 | 3.1439527 | 20 | 9 6.1 | 18.1 |
| 92270 2000 $CU_{29}$ | 14.7 | X | 333.63135 | 74.26287 | 321.45915 | 12.89955 | 0.3182760 | 0.18036286 | 3.1024490 | 20 | 10 23.7 | 17.4 |
| 92271 2000 $CS_{39}$ | 16.0 | X | 283.35108 | 264.78933 | 93.25683 | 25.31599 | 0.1379000 | 0.36132556 | 1.9522567 | 20 | 6 27.0 | 17.5 |
| 92272 2000 $CB_{54}$ | 13.2 | X | 221.93561 | 200.75036 | 288.12507 | 7.18540 | 0.1150458 | 0.12500327 | 3.9614587 | 20 | 9 13.7 | 19.2 |
| 92273 2000 $CQ_{81}$ | 14.0 | X | 329.08397 | 71.99622 | 325.03982 | 12.48460 | 0.2251984 | 0.17895062 | 3.1187501 | 20 | 10 14.7 | 17.4 |
| 92274 2000 $CO_{86}$ | 16.1 | X | 33.74586 | 145.32362 | 117.15301 | 5.41916 | 0.2130710 | 0.30762591 | 2.1733055 | 20 | 9 19.6 | 18.3 |
| 92275 2000 $CS_{89}$ | 15.8 | X | 41.14522 | 140.96773 | 101.17041 | 4.56824 | 0.1465524 | 0.30564567 | 2.1826824 | 20 | 8 17.2 | 17.9 |
| 92276 2000 $CC_{100}$ | 17.3 | X | 29.46687 | 134.23873 | 131.74788 | 5.39306 | 0.1733561 | 0.30995250 | 2.1624162 | 20 | 9 9.7 | 19.2 |
| 92277 2000 $CT_{108}$ | 14.1 | X | 321.65254 | 146.31984 | 267.38929 | 16.42165 | 0.1825274 | 0.18006799 | 3.1058349 | 20 | 10 26.5 | 17.9 |
| 92278 2000 $CB_{110}$ | 17.4 | X | 327.03235 | 326.21070 | 319.26710 | 7.10064 | 0.2435674 | 0.30338959 | 2.1934897 | 20 | 4 25.1 | 19.2 |
| 92279 Bindiluca | 13.8 | X | 288.24879 | 72.00765 | 326.32501 | 17.07878 | 0.1661099 | 0.17107212 | 3.2137831 | 20 | 8 14.9 | 18.0 |
| 92280 2000 $DT_{5}$ | 15.7 | X | 303.08362 | 273.91395 | 64.11248 | 29.73770 | 0.1476329 | 0.35778672 | 1.9651087 | 20 | 6 23.1 | 17.6 |
| 92281 2000 $DS_{8}$ | 14.1 | X | 247.13694 | 311.42574 | 159.64347 | 3.27420 | 0.1680523 | 0.12465861 | 3.9687571 | 20 | 9 16.7 | 20.0 |
| 92282 2000 $DP_{32}$ | 14.1 | X | 285.77220 | 65.86771 | 330.37709 | 12.35223 | 0.2918883 | 0.17191569 | 3.2032614 | 20 | 7 21.9 | 18.4 |
| 92283 2000 $DC_{45}$ | 13.5 | X | 162.06199 | 347.27315 | 212.65943 | 2.45811 | 0.0822188 | 0.12374032 | 3.9883680 | 20 | 10 11.7 | 19.4 |
| 92284 2000 $DV_{76}$ | 14.0 | X | 183.23663 | 232.23579 | 320.79935 | 3.16140 | 0.1187768 | 0.12386948 | 3.9855950 | 20 | 10 21.9 | 20.1 |
| 92285 2000 $EW$ | 15.4 | X | 4.00457 | 220.04037 | 8.03090 | 7.65708 | 0.0956323 | 0.29780924 | 2.2208059 | 20 | 4 30.4 | 17.5 |
| 92286 2000 $EP_{7}$ | 17.2 | X | 26.95835 | 87.59612 | 168.20406 | 2.07581 | 0.1185921 | 0.30612823 | 2.1803880 | 20 | 8 6.5 | 19.2 |
| 92287 2000 $EX_{14}$ | 13.4 | X | 220.23536 | 131.37718 | 350.68306 | 8.07565 | 0.1010620 | 0.12561859 | 3.9485118 | 20 | 9 9.3 | 19.1 |
| 92288 2000 $ER_{43}$ | 16.8 | X | 71.98204 | 75.64299 | 169.65272 | 3.98954 | 0.1272270 | 0.30901456 | 2.1667897 | 20 | 10 1.9 | 19.4 |
| 92289 2000 $EH_{49}$ | 16.3 | X | 237.73967 | 267.47047 | 10.62151 | 6.20482 | 0.1855185 | 0.28534491 | 2.2850162 | 20 | 1 12.8 | 20.0 |
| 92290 2000 $EZ_{62}$ | 17.3 | X | 205.87256 | 119.68191 | 47.09674 | 1.65472 | 0.0349300 | 0.31913361 | 2.1207413 | 20 | 11 28.6 | 19.4 |
| 92291 2000 $EZ_{85}$ | 15.6 | X | 293.49336 | 216.07812 | 23.52871 | 7.32395 | 0.1083896 | 0.29024989 | 2.2592000 | 20 | 1 28.2 | 18.6 |
| 92292 2000 $EL_{88}$ | 15.2 | X | 283.15330 | 78.34086 | 286.43642 | 17.47746 | 0.1034222 | 0.35940610 | 1.9592014 | 20 | 7 14.7 | 16.6 |
| 92293 2000 $EX_{105}$ | 16.1 | X | 22.07824 | 198.87126 | 55.81514 | 7.31819 | 0.2135607 | 0.30228937 | 2.1988088 | 20 | 8 16.3 | 17.9 |
| 92294 2000 $EV_{112}$ | 16.1 | X | 39.89811 | 214.07558 | 20.69415 | 2.94900 | 0.1345229 | 0.30269446 | 2.1968466 | 20 | 7 31.3 | 18.1 |
| 92295 2000 $EG_{113}$ | 16.2 | X | 41.29629 | 117.44673 | 140.95024 | 6.43797 | 0.1445186 | 0.30613628 | 2.1803498 | 20 | 9 11.5 | 18.4 |
| 92296 2000 $EJ_{139}$ | 16.6 | X | 42.17954 | 318.50916 | 338.67560 | 3.27082 | 0.2018467 | 0.31208243 | 2.1525661 | 20 | 11 15.3 | 19.4 |
| 92297 Monrad | 13.7 | X | 256.44990 | 66.05343 | 357.80159 | 18.62455 | 0.1895282 | 0.17229077 | 3.1986106 | 20 | 8 9.7 | 18.6 |
| 92298 2000 $EE_{165}$ | 16.6 | X | 350.56937 | 287.21596 | 356.93271 | 5.40125 | 0.1011021 | 0.30473230 | 2.1870416 | 20 | 7 10.7 | 18.4 |
| 92299 2000 $EB_{170}$ | 14.1 | X | 317.26687 | 48.70589 | 24.23213 | 11.66960 | 0.3499968 | 0.18310366 | 3.0714117 | 20 | 11 3.0 | 16.3 |
| 92300 Hagelin | 16.5 | X | 65.38742 | 345.10268 | 268.67370 | 4.11800 | 0.1501046 | 0.30972439 | 2.1634778 | 20 | 10 5.9 | 19.3 |
| 92301 2000 $FG$ | 16.3 | X | 338.41007 | 11.73067 | 257.31498 | 3.53073 | 0.1393936 | 0.30039310 | 2.2080526 | 20 | 5 14.3 | 17.9 |
| 92302 2000 $FA_{11}$ | 15.9 | X | 234.92006 | 50.84253 | 29.99140 | 21.17929 | 0.0804044 | 0.36327538 | 1.9452649 | 20 | 9 17.4 | 18.2 |
| 92303 2000 $FP_{15}$ | 16.1 | X | 95.91073 | 227.89985 | 8.68755 | 4.36849 | 0.0891417 | 0.31347345 | 2.1461935 | 20 | 10 14.2 | 18.8 |
| 92304 2000 $FJ_{16}$ | 16.3 | X | 337.55033 | 130.31600 | 124.93013 | 5.07438 | 0.1226230 | 0.29847755 | 2.2174897 | 20 | 4 25.1 | 18.3 |
| 92305 2000 $FB_{25}$ | 16.5 | X | 71.02278 | 254.52657 | 57.10594 | 2.39763 | 0.1559877 | 0.31732065 | 2.1288113 | 20 | — | — |
| 92306 2000 $FL_{28}$ | 16.1 | X | 16.33977 | 332.53787 | 306.36273 | 2.98647 | 0.1710061 | 0.30428615 | 2.1891789 | 20 | 9 1.2 | 17.8 |
| 92307 2000 $FR_{40}$ | 16.3 | X | 75.81811 | 180.78538 | 104.43976 | 6.03056 | 0.1503267 | 0.31349167 | 2.1461103 | 20 | 12 2.8 | 19.3 |
| 92308 2000 $FM_{41}$ | 15.8 | X | 352.97623 | 195.20762 | 90.83718 | 4.59825 | 0.2027453 | 0.30119807 | 2.2041168 | 20 | 7 22.7 | 16.7 |
| 92309 2000 $FV_{43}$ | 16.3 | X | 43.40071 | 106.20623 | 116.70333 | 4.32404 | 0.1177023 | 0.30273369 | 2.1966568 | 20 | 7 14.0 | 18.3 |
| 92310 2000 $FX_{43}$ | 16.3 | X | 351.47059 | 206.37286 | 42.25745 | 7.39233 | 0.0964646 | 0.29895236 | 2.2151411 | 20 | 5 11.2 | 18.0 |
| 92311 2000 $FQ_{45}$ | 16.2 | X | 57.73327 | 106.22124 | 127.23365 | 4.96074 | 0.1484349 | 0.30535911 | 2.1840477 | 20 | 8 29.9 | 18.5 |
| 92312 2000 $FJ_{46}$ | 16.1 | X | 329.44862 | 121.59786 | 136.06867 | 7.10875 | 0.1403061 | 0.29615169 | 2.2290847 | 20 | 4 11.8 | 18.2 |
| 92313 2000 $FY_{46}$ | 16.0 | X | 16.28950 | 194.33872 | 95.23908 | 8.09562 | 0.1973157 | 0.30549888 | 2.1833815 | 20 | 9 30.7 | 18.1 |
| 92314 2000 $GV_{1}$ | 15.3 | X | 292.39391 | 353.44665 | 210.54214 | 23.63782 | 0.2040933 | 0.28373352 | 2.2936595 | 20 | — | — |
| 92315 2000 $GW_{4}$ | 16.5 | X | 332.74279 | 248.80691 | 14.67613 | 6.64193 | 0.1631518 | 0.29696960 | 2.2249900 | 20 | 4 18.8 | 18.4 |
| 92316 2000 $GX_{6}$ | 17.0 | X | 327.98286 | 215.61025 | 70.71107 | 1.25872 | 0.2178036 | 0.29881627 | 2.2158136 | 20 | 5 8.9 | 18.6 |
| 92317 2000 $GG_{19}$ | 16.6 | X | 4.31694 | 44.18404 | 218.62688 | 3.26746 | 0.1614088 | 0.30117757 | 2.2042168 | 20 | 7 5.1 | 18.0 |
| 92318 2000 $GW_{25}$ | 16.8 | X | 54.72851 | 239.28924 | 60.99612 | 0.70368 | 0.1331387 | 0.31319510 | 2.1474649 | 20 | 11 26.7 | 19.6 |
| 92319 2000 $GT_{26}$ | 16.9 | X | 292.58036 | 144.50336 | 185.18268 | 5.91728 | 0.1476406 | 0.30070600 | 2.2065206 | 20 | 5 25.9 | 19.3 |
| 92320 2000 $GU_{26}$ | 16.4 | X | 34.26370 | 219.29088 | 107.22267 | 1.07638 | 0.1659817 | 0.31379107 | 2.1447450 | 20 | 12 12.2 | 18.9 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92321 2000 $GN_{31}$ | 16.9 | X | 292.39380 | 223.98698 | 47.08123 | 2.02903 | 0.1745540 | 0.29193586 | 2.2504935 | 20 | 2 27.0 | 19.8 |
| 92322 2000 $GC_{39}$ | 16.8 | X | 317.31351 | 213.26231 | 62.70568 | 1.23908 | 0.2136683 | 0.29525758 | 2.2335826 | 20 | 4 2.1 | 18.7 |
| 92323 2000 $GK_{46}$ | 16.1 | X | 356.21970 | 292.00659 | 31.84567 | 4.53289 | 0.0953054 | 0.30832805 | 2.1700048 | 20 | 9 27.4 | 18.0 |
| 92324 2000 $GE_{49}$ | 16.7 | X | 1.16732 | 45.61410 | 205.73099 | 5.76613 | 0.1336564 | 0.29888279 | 2.2154848 | 20 | 6 6.2 | 18.4 |
| 92325 2000 $GY_{50}$ | 16.3 | X | 312.80547 | 206.71801 | 48.45387 | 2.76403 | 0.1156546 | 0.29318368 | 2.2441034 | 20 | 3 13.3 | 18.6 |
| 92326 2000 $GS_{53}$ | 13.1 | X | 31.79409 | 182.43690 | 192.33612 | 5.51818 | 0.2500348 | 0.12526665 | 3.9559040 | 20 | — | — |
| 92327 2000 $GS_{55}$ | 15.9 | X | 8.28407 | 64.21532 | 185.92654 | 4.99126 | 0.1056699 | 0.29979237 | 2.2110013 | 20 | 6 18.4 | 17.9 |
| 92328 2000 $GW_{60}$ | 16.6 | X | 309.21359 | 337.63931 | 25.56231 | 3.30891 | 0.1673475 | 0.30796900 | 2.1716911 | 20 | 8 21.9 | 17.9 |
| 92329 2000 $GZ_{64}$ | 15.9 | X | 288.13339 | 269.91141 | 32.77068 | 5.86314 | 0.1630695 | 0.29439971 | 2.2379195 | 20 | 4 6.8 | 18.6 |
| 92330 2000 $GY_{66}$ | 16.2 | X | 357.76779 | 219.40924 | 19.69568 | 5.99071 | 0.1759389 | 0.29640969 | 2.2277910 | 20 | 5 3.4 | 17.5 |
| 92331 2000 $GV_{68}$ | 15.5 | X | 147.06499 | 278.55075 | 30.78975 | 23.14078 | 0.2398350 | 0.27457409 | 2.3443890 | 20 | — | — |
| 92332 2000 $GM_{71}$ | 16.2 | X | 345.40133 | 255.16909 | 39.92096 | 6.75094 | 0.1534541 | 0.30089419 | 2.2056005 | 20 | 7 18.9 | 17.8 |
| 92333 2000 $GF_{72}$ | 15.8 | X | 250.41627 | 50.80722 | 195.22419 | 7.22021 | 0.0665847 | 0.28290156 | 2.2981541 | 20 | — | — |
| 92334 2000 $GJ_{78}$ | 16.9 | X | 288.97890 | 235.83896 | 46.19233 | 2.52836 | 0.1787388 | 0.29156069 | 2.2524236 | 20 | 3 8.4 | 19.8 |
| 92335 2000 $GS_{80}$ | 16.8 | X | 12.34226 | 93.89761 | 209.26839 | 2.99925 | 0.0912460 | 0.30817011 | 2.1707461 | 20 | 9 20.7 | 18.7 |
| 92336 2000 $GY_{81}$ | 15.6 | X | 259.36684 | 215.70998 | 195.62170 | 22.43821 | 0.0875215 | 0.35998988 | 1.9570827 | 20 | 8 18.7 | 18.1 |
| 92337 2000 $GG_{96}$ | 15.7 | X | 267.36734 | 302.10764 | 325.82897 | 3.15893 | 0.2343433 | 0.28578562 | 2.2826665 | 20 | 1 22.3 | 19.1 |
| 92338 2000 $GH_{96}$ | 16.0 | X | 70.37694 | 225.63203 | 11.47822 | 4.44628 | 0.1332398 | 0.30558266 | 2.1829825 | 20 | 9 18.7 | 18.5 |
| 92339 2000 $GV_{99}$ | 15.7 | X | 184.50640 | 273.92442 | 4.09552 | 6.27638 | 0.1525789 | 0.27793529 | 2.3254495 | 20 | — | — |
| 92340 2000 $GC_{109}$ | 16.2 | X | 32.19500 | 60.29811 | 162.05558 | 5.71898 | 0.0817861 | 0.29976188 | 2.2111513 | 20 | 6 17.1 | 18.4 |
| 92341 2000 $GO_{110}$ | 16.3 | X | 358.09261 | 335.83111 | 332.02211 | 2.40521 | 0.2132433 | 0.30482253 | 2.1866101 | 20 | 9 18.1 | 17.4 |
| 92342 2000 $GT_{136}$ | 15.5 | X | 302.98883 | 155.55038 | 119.75213 | 9.79221 | 0.1870964 | 0.29168582 | 2.2517794 | 20 | 3 19.1 | 18.3 |
| 92343 2000 $GT_{141}$ | 16.9 | X | 133.09219 | 52.37731 | 149.99122 | 4.50402 | 0.0963102 | 0.31158906 | 2.1548378 | 20 | 10 12.7 | 19.7 |
| 92344 2000 $GP_{147}$ | 13.6 | X | 266.61669 | 321.45333 | 150.66153 | 12.50916 | 0.1882397 | 0.12500904 | 3.9613369 | 20 | 10 9.5 | 19.2 |
| 92345 2000 $GF_{158}$ | 15.9 | X | 9.34338 | 293.66332 | 29.29125 | 7.89520 | 0.1675631 | 0.31163794 | 2.1546125 | 20 | 10 30.4 | 17.7 |
| 92346 2000 $GP_{159}$ | 15.9 | X | 54.09831 | 236.37397 | 325.78105 | 5.82440 | 0.1667459 | 0.30129767 | 2.2036310 | 20 | 7 9.6 | 18.2 |
| 92347 2000 $GV_{160}$ | 16.7 | X | 298.88349 | 155.15348 | 111.44470 | 7.92034 | 0.1255879 | 0.29249430 | 2.2476281 | 20 | 3 10.1 | 19.5 |
| 92348 2000 $GH_{168}$ | 16.4 | X | 300.18074 | 175.79124 | 106.78934 | 3.38921 | 0.1374579 | 0.29460682 | 2.2368705 | 20 | 3 30.9 | 19.0 |
| 92349 2000 $HG_{4}$ | 16.9 | X | 301.94608 | 73.75483 | 212.33061 | 4.14597 | 0.1487996 | 0.29300147 | 2.2450336 | 20 | 4 3.1 | 19.3 |
| 92350 2000 $HK_{5}$ | 15.9 | X | 238.41630 | 310.12587 | 43.45280 | 6.54719 | 0.1367842 | 0.29319102 | 2.2440659 | 20 | 4 20.6 | 19.1 |
| 92351 2000 $HA_{7}$ | 17.0 | X | 170.56986 | 264.63372 | 48.23163 | 6.92382 | 0.1238094 | 0.27853362 | 2.3221181 | 20 | — | — |
| 92352 2000 $HT_{11}$ | 16.9 | X | 261.97609 | 359.21470 | 241.67106 | 2.46558 | 0.1960717 | 0.28309927 | 2.2970840 | 20 | — | — |
| 92353 2000 $HL_{14}$ | 13.8 | X | 227.19522 | 74.51569 | 35.01469 | 25.39558 | 0.2687252 | 0.17530340 | 3.1618589 | 20 | 9 4.9 | 19.4 |
| 92354 2000 $HR_{14}$ | 16.7 | X | 37.21205 | 45.10141 | 224.68888 | 5.38200 | 0.1372916 | 0.30359150 | 2.1925170 | 20 | 9 16.5 | 19.1 |
| 92355 2000 $HV_{14}$ | 16.1 | X | 338.41264 | 116.02093 | 182.69785 | 6.41977 | 0.1349778 | 0.30113443 | 2.2044273 | 20 | 7 5.7 | 17.9 |
| 92356 2000 $HW_{14}$ | 16.6 | X | 105.93010 | 58.36222 | 111.44219 | 3.90314 | 0.0910265 | 0.30374866 | 2.1917607 | 20 | 7 22.9 | 19.2 |
| 92357 2000 $HY_{21}$ | 16.1 | X | 46.12610 | 290.20627 | 293.21587 | 5.18886 | 0.1240115 | 0.30054934 | 2.2072873 | 20 | 7 20.5 | 18.0 |
| 92358 2000 $HE_{23}$ | 16.1 | X | 77.12349 | 191.35882 | 82.09764 | 3.48001 | 0.1263611 | 0.31108320 | 2.1571732 | 20 | 11 15.9 | 19.0 |
| 92359 2000 $HC_{24}$ | 15.9 | X | 327.26235 | 287.90937 | 38.95779 | 7.66474 | 0.3082882 | 0.30112494 | 2.2044736 | 20 | 7 10.3 | 16.6 |
| 92360 2000 $HW_{24}$ | 16.2 | X | 165.84629 | 285.50792 | 29.31615 | 8.33227 | 0.2387281 | 0.27709274 | 2.3301611 | 20 | — | — |
| 92361 2000 $HS_{28}$ | 15.3 | X | 120.05822 | 283.03635 | 43.75592 | 23.54311 | 0.2631773 | 0.27197120 | 2.3593232 | 20 | — | — |
| 92362 2000 $HY_{29}$ | 16.2 | X | 80.20595 | 181.86529 | 19.01898 | 8.22113 | 0.0918274 | 0.30299612 | 2.1953883 | 20 | 8 6.4 | 18.9 |
| 92363 2000 $HO_{31}$ | 16.2 | X | 196.98603 | 286.02638 | 22.96146 | 2.83809 | 0.2359643 | 0.28085217 | 2.3093204 | 20 | 1 17.1 | 20.1 |
| 92364 2000 $HN_{32}$ | 15.7 | X | 36.08865 | 292.60014 | 25.49456 | 0.93679 | 0.1939383 | 0.30936833 | 2.1651375 | 20 | 12 5.7 | 18.4 |
| 92365 2000 $HP_{32}$ | 16.6 | X | 260.10599 | 216.23307 | 58.34073 | 2.67240 | 0.1157210 | 0.28684133 | 2.2770622 | 20 | 2 2.4 | 19.7 |
| 92366 2000 $HL_{41}$ | 16.4 | X | 294.49109 | 106.55661 | 140.79721 | 8.23790 | 0.1369550 | 0.28798503 | 2.2710295 | 20 | 2 2.2 | 19.1 |
| 92367 2000 $HF_{42}$ | 16.5 | X | 297.08290 | 83.71066 | 194.62886 | 6.35601 | 0.0886392 | 0.29405001 | 2.2396935 | 20 | 3 25.9 | 19.0 |
| 92368 2000 $HC_{47}$ | 16.6 | X | 294.40083 | 292.09471 | 12.82077 | 2.12652 | 0.1895544 | 0.29407865 | 2.2395480 | 20 | 4 13.0 | 19.0 |
| 92369 2000 $HC_{48}$ | 16.6 | X | 254.18106 | 229.40976 | 49.90342 | 6.27082 | 0.1019223 | 0.28653658 | 2.2786765 | 20 | 2 4.8 | 19.8 |
| 92370 2000 $HP_{50}$ | 16.5 | X | 232.08206 | 55.30722 | 203.24173 | 2.57535 | 0.1325240 | 0.28043554 | 2.3116071 | 20 | — | — |
| 92371 2000 $HQ_{50}$ | 16.4 | X | 346.75145 | 144.79291 | 154.52768 | 0.83337 | 0.1229586 | 0.30080392 | 2.2060417 | 20 | 7 27.2 | 18.1 |
| 92372 2000 $HP_{52}$ | 16.0 | X | 328.53120 | 251.93288 | 52.18470 | 7.06020 | 0.1819938 | 0.29789633 | 2.2203731 | 20 | 6 16.7 | 17.6 |
| 92373 2000 $HR_{52}$ | 15.6 | X | 47.18517 | 15.82559 | 218.43428 | 3.96476 | 0.0811506 | 0.30152596 | 2.2025186 | 20 | 7 30.4 | 17.9 |
| 92374 2000 $HX_{53}$ | 16.6 | X | 172.53350 | 81.66915 | 206.42280 | 4.63497 | 0.2078103 | 0.27443999 | 2.3451527 | 20 | — | — |
| 92375 2000 $HP_{55}$ | 15.8 | X | 108.17375 | 270.51630 | 340.00555 | 2.36004 | 0.0785820 | 0.31306739 | 2.1480489 | 20 | 11 15.8 | 18.7 |
| 92376 2000 $HH_{58}$ | 16.8 | X | 281.97204 | 133.41334 | 186.85827 | 0.27034 | 0.1715960 | 0.29416637 | 2.2391028 | 20 | 4 21.2 | 19.2 |
| 92377 2000 $HX_{58}$ | 16.5 | X | 121.23786 | 243.58742 | 317.52332 | 3.45874 | 0.0675145 | 0.30905526 | 2.1665994 | 20 | 9 22.3 | 19.2 |
| 92378 2000 $HA_{60}$ | 16.4 | X | 45.07782 | 329.85060 | 28.41262 | 3.47761 | 0.1901625 | 0.31738630 | 2.1285177 | 20 | — | — |
| 92379 2000 $HO_{68}$ | 16.3 | X | 211.01720 | 269.09588 | 51.97484 | 5.83992 | 0.1899081 | 0.28430339 | 2.2905935 | 20 | 2 12.8 | 20.0 |
| 92380 2000 $HS_{68}$ | 16.7 | X | 262.15387 | 239.53074 | 203.74307 | 3.36533 | 0.0907589 | 0.31158111 | 2.1548745 | 20 | 10 10.5 | 18.6 |
| 92381 2000 $HT_{69}$ | 16.9 | X | 276.37412 | 262.01073 | 349.59031 | 2.57422 | 0.1224559 | 0.28743524 | 2.2739245 | 20 | 1 20.5 | 20.1 |
| 92382 2000 $HT_{72}$ | 17.3 | X | 6.43251 | 236.50483 | 110.32113 | 0.26275 | 0.1843487 | 0.31234346 | 2.1513667 | 20 | 12 4.6 | 19.4 |
| 92383 2000 $HE_{75}$ | 15.3 | X | 139.08013 | 252.34678 | 53.29425 | 23.18503 | 0.2948593 | 0.27183758 | 2.3600963 | 20 | — | — |
| 92384 2000 $HS_{75}$ | 16.0 | X | 218.15786 | 69.69532 | 187.58714 | 6.60384 | 0.0894137 | 0.27902052 | 2.3194159 | 20 | — | — |
| 92385 2000 $HL_{81}$ | 16.3 | X | 302.06599 | 47.39382 | 223.43249 | 4.75459 | 0.1247754 | 0.29297407 | 2.2451736 | 20 | 3 15.0 | 18.9 |
| 92386 2000 $HG_{87}$ | 16.7 | X | 221.05686 | 143.13487 | 133.31831 | 4.47658 | 0.2071831 | 0.28059020 | 2.3107576 | 20 | — | — |
| 92387 2000 $HA_{93}$ | 17.2 | X | 280.37288 | 280.40003 | 37.16828 | 3.24998 | 0.1089061 | 0.29565004 | 2.2316055 | 20 | 4 24.9 | 19.7 |
| 92388 2000 $JP$ | 16.4 | X | 322.69974 | 281.62103 | 316.72751 | 3.18474 | 0.1084747 | 0.29179622 | 2.2512114 | 20 | 3 3.2 | 18.6 |
| 92389 Gretskij | 16.7 | X | 309.48089 | 217.02412 | 82.65111 | 8.66800 | 0.1445605 | 0.29750801 | 2.2223047 | 20 | 5 9.8 | 19.0 |
| 92390 2000 $JU_{5}$ | 16.1 | X | 298.80408 | 176.31058 | 127.18621 | 3.55333 | 0.1790918 | 0.29491075 | 2.2353334 | 20 | 4 21.3 | 18.5 |
| 92391 2000 $JE_{7}$ | 15.7 | X | 124.69556 | 217.25900 | 58.09435 | 5.95142 | 0.2063758 | 0.26779014 | 2.3838174 | 20 | 12 27.7 | 19.6 |
| 92392 2000 $JL_{9}$ | 16.5 | X | 260.44850 | 77.18558 | 229.55306 | 6.65109 | 0.1748367 | 0.29005398 | 2.2602171 | 20 | 3 5.7 | 19.9 |
| 92393 2000 $JX_{12}$ | 16.1 | X | 61.82339 | 314.25645 | 299.21461 | 2.57272 | 0.1170453 | 0.30496868 | 2.1859114 | 20 | 9 26.1 | 18.8 |
| 92394 2000 $JW_{17}$ | 16.0 | X | 340.29858 | 192.72660 | 122.54179 | 5.73188 | 0.2119071 | 0.30171529 | 2.2015971 | 20 | 8 11.8 | 16.8 |
| 92395 2000 $JK_{20}$ | 16.5 | X | 305.09887 | 269.60777 | 352.78114 | 2.90157 | 0.1077386 | 0.29256688 | 2.2472563 | 20 | 3 12.2 | 18.7 |
| 92396 2000 $JM_{21}$ | 16.4 | X | 254.61064 | 39.36397 | 280.40920 | 3.39966 | 0.1669328 | 0.29129225 | 2.2538072 | 20 | 3 18.4 | 19.7 |
| 92397 2000 $JV_{21}$ | 16.4 | X | 121.95977 | 295.10968 | 292.61399 | 1.90437 | 0.0976629 | 0.31183069 | 2.1537245 | 20 | 11 1.1 | 19.3 |
| 92398 2000 $JM_{23}$ | 16.5 | X | 358.31887 | 284.76203 | 304.61145 | 5.04892 | 0.1086673 | 0.29575929 | 2.2310559 | 20 | 4 20.2 | 18.7 |
| 92399 2000 $JH_{24}$ | 16.2 | X | 2.14938 | 344.77414 | 295.05508 | 5.34040 | 0.2078024 | 0.30033659 | 2.2083295 | 20 | 8 5.1 | 17.4 |
| 92400 2000 $JF_{25}$ | 16.2 | X | 271.19128 | 1.97044 | 270.16111 | 7.51445 | 0.2521484 | 0.28726557 | 2.2748198 | 20 | 1 27.1 | 19.9 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92401 2000 $JL_{25}$ | 16.4 | X | 258.20023 | 293.76191 | 297.19796 | 4.54556 | 0.1617503 | 0.28162299 | 2.3051046 | 20 | — | — |
| 92402 2000 $JC_{28}$ | 16.4 | X | 20.26803 | 275.45232 | 16.42733 | 3.66720 | 0.1139960 | 0.30495003 | 2.1860005 | 20 | 9 21.8 | 18.3 |
| 92403 2000 $JX_{28}$ | 16.0 | X | 332.07458 | 288.26846 | 9.69361 | 5.52737 | 0.1826419 | 0.29802409 | 2.2197385 | 20 | 6 14.3 | 17.6 |
| 92404 2000 $JB_{29}$ | 16.5 | X | 260.78586 | 5.64061 | 277.22191 | 3.27462 | 0.2188905 | 0.28632551 | 2.2797962 | 20 | 2 3.8 | 20.0 |
| 92405 2000 $JH_{32}$ | 16.2 | X | 265.59019 | 39.32963 | 251.65381 | 5.41747 | 0.1237161 | 0.28854004 | 2.2681163 | 20 | 2 25.2 | 19.4 |
| 92406 2000 $JN_{32}$ | 16.2 | X | 309.55125 | 332.18783 | 238.38927 | 5.05864 | 0.1047578 | 0.28552539 | 2.2840533 | 20 | 1 7.6 | 19.1 |
| 92407 2000 $JM_{34}$ | 16.5 | X | 269.41269 | 221.35910 | 15.71833 | 2.75446 | 0.1310503 | 0.28274659 | 2.2989938 | 20 | — | — |
| 92408 2000 $JZ_{34}$ | 16.0 | X | 218.52194 | 96.59729 | 238.75412 | 5.00852 | 0.2130712 | 0.28679195 | 2.2773236 | 20 | 3 2.3 | 19.7 |
| 92409 2000 $JW_{35}$ | 15.8 | X | 333.82465 | 81.94050 | 243.03307 | 3.73628 | 0.1707075 | 0.30090460 | 2.2055496 | 20 | 8 8.8 | 17.3 |
| 92410 2000 $JA_{36}$ | 16.4 | X | 231.47462 | 195.33340 | 54.37287 | 6.89818 | 0.1708033 | 0.27877126 | 2.3207982 | 20 | — | — |
| 92411 2000 $JC_{37}$ | 16.2 | X | 260.12643 | 228.09592 | 53.68490 | 6.32015 | 0.1616461 | 0.28573544 | 2.2829338 | 20 | 2 9.6 | 19.7 |
| 92412 2000 $JX_{38}$ | 16.5 | X | 91.75002 | 358.76723 | 244.31032 | 3.80984 | 0.0974839 | 0.30866578 | 2.1684216 | 20 | 10 17.5 | 19.4 |
| 92413 2000 $JN_{39}$ | 16.8 | X | 294.57507 | 33.75140 | 252.07069 | 2.02852 | 0.1433717 | 0.29144068 | 2.2530419 | 20 | 3 23.8 | 19.4 |
| 92414 2000 $JU_{40}$ | 16.6 | X | 24.32773 | 55.63889 | 208.61803 | 3.72590 | 0.1301462 | 0.30194220 | 2.2004939 | 20 | 8 15.5 | 18.6 |
| 92415 2000 $JP_{42}$ | 16.6 | X | 248.36004 | 208.90302 | 63.87083 | 4.49335 | 0.1177689 | 0.28477458 | 2.2880661 | 20 | 1 18.7 | 19.9 |
| 92416 2000 $JS_{42}$ | 16.9 | X | 343.76892 | 271.61468 | 38.12316 | 3.57555 | 0.1395201 | 0.30169062 | 2.2017171 | 20 | 8 10.5 | 18.4 |
| 92417 2000 $JQ_{44}$ | 15.8 | X | 150.03335 | 289.52643 | 56.63254 | 4.43980 | 0.1450210 | 0.27968199 | 2.3157573 | 20 | 1 13.3 | 18.9 |
| 92418 2000 $JP_{45}$ | 16.5 | X | 202.36932 | 99.89081 | 233.01617 | 4.71266 | 0.1669935 | 0.28436903 | 2.2902410 | 20 | 2 15.2 | 20.1 |
| 92419 2000 $JG_{46}$ | 16.5 | X | 149.63159 | 65.83267 | 206.81163 | 2.09724 | 0.1747207 | 0.26972842 | 2.3723836 | 20 | — | — |
| 92420 2000 $JJ_{48}$ | 15.6 | X | 47.97348 | 284.79145 | 307.72764 | 5.05288 | 0.1101887 | 0.30157566 | 2.2022765 | 20 | 8 4.6 | 17.8 |
| 92421 2000 $JM_{48}$ | 16.2 | X | 33.13720 | 296.50400 | 305.53528 | 4.09389 | 0.1224610 | 0.30064867 | 2.2068011 | 20 | 7 27.1 | 18.2 |
| 92422 2000 $JO_{48}$ | 15.8 | X | 163.08939 | 304.25550 | 41.46230 | 6.73946 | 0.1648369 | 0.28161857 | 2.3051287 | 20 | 1 29.9 | 19.3 |
| 92423 2000 $JZ_{49}$ | 16.4 | X | 267.91854 | 355.01939 | 285.99666 | 4.74044 | 0.1797393 | 0.28721841 | 2.2750688 | 20 | 2 10.7 | 19.9 |
| 92424 2000 $JO_{50}$ | 16.0 | X | 272.96109 | 288.32099 | 338.16169 | 3.73489 | 0.1818390 | 0.28630242 | 2.2799187 | 20 | 1 30.3 | 19.4 |
| 92425 2000 $JR_{54}$ | 16.7 | X | 176.58267 | 137.01227 | 121.70220 | 1.68803 | 0.2188807 | 0.27217231 | 2.3581608 | 20 | — | — |
| 92426 2000 $JD_{55}$ | 15.4 | X | 335.18940 | 168.33660 | 115.20413 | 3.83456 | 0.1351364 | 0.29688183 | 2.2254284 | 20 | 6 3.0 | 17.1 |
| 92427 2000 $JD_{56}$ | 15.8 | X | 27.31194 | 48.60967 | 178.28899 | 4.19732 | 0.1622934 | 0.29781828 | 2.2207610 | 20 | 6 25.9 | 17.6 |
| 92428 2000 $JM_{60}$ | 16.5 | X | 333.31513 | 239.30516 | 29.57723 | 7.08807 | 0.1044537 | 0.29569217 | 2.2313935 | 20 | 5 7.4 | 18.6 |
| 92429 2000 $JT_{63}$ | 16.0 | X | 155.61717 | 270.40410 | 287.45741 | 2.73286 | 0.0645505 | 0.31129453 | 2.1561967 | 20 | 10 30.7 | 18.7 |
| 92430 2000 $JW_{63}$ | 16.5 | X | 249.75633 | 162.93564 | 122.52792 | 3.32920 | 0.2045281 | 0.28474322 | 2.2882341 | 20 | 1 30.3 | 20.2 |
| 92431 2000 $JO_{65}$ | 16.3 | X | 9.97203 | 159.93568 | 125.16545 | 7.47262 | 0.1635414 | 0.30193659 | 2.2005212 | 20 | 8 30.9 | 18.0 |
| 92432 2000 $JQ_{65}$ | 16.3 | X | 298.90114 | 103.56678 | 157.34051 | 7.48631 | 0.1939315 | 0.28951621 | 2.2630151 | 20 | 2 17.3 | 19.2 |
| 92433 2000 $JN_{66}$ | 15.2 | X | 148.23553 | 208.83857 | 101.65422 | 12.39968 | 0.2411966 | 0.27281140 | 2.3544766 | 20 | — | — |
| 92434 2000 $JV_{71}$ | 16.4 | X | 340.31037 | 70.56609 | 185.62348 | 6.20020 | 0.0689383 | 0.29634007 | 2.2281400 | 20 | 5 6.9 | 18.6 |
| 92435 2000 $JW_{73}$ | 16.6 | X | 288.68366 | 225.07110 | 75.38271 | 5.67436 | 0.1396864 | 0.29279200 | 2.2461043 | 20 | 4 10.0 | 19.4 |
| 92436 2000 $JX_{76}$ | 16.1 | X | 28.39721 | 300.36649 | 281.32089 | 4.03595 | 0.0642003 | 0.29767423 | 2.2214773 | 20 | 6 6.4 | 18.3 |
| 92437 2000 $JZ_{80}$ | 15.9 | X | 312.89456 | 331.92897 | 304.47033 | 7.11428 | 0.1628708 | 0.29477699 | 2.2360096 | 20 | 3 30.5 | 18.5 |
| 92438 2000 $JX_{85}$ | 16.2 | X | 320.50248 | 165.53369 | 162.42975 | 6.03113 | 0.1401506 | 0.30043660 | 2.2078395 | 20 | 7 15.6 | 18.0 |
| 92439 2000 $KD$ | 16.1 | X | 269.74448 | 118.68985 | 206.90363 | 6.45204 | 0.1626372 | 0.29236349 | 2.2482984 | 20 | 4 14.4 | 18.9 |
| 92440 2000 $KG_{1}$ | 16.3 | X | 286.01719 | 100.20824 | 129.64594 | 5.44571 | 0.0756076 | 0.28401066 | 2.2921672 | 20 | 1 8.5 | 19.3 |
| 92441 2000 $KY_{1}$ | 16.1 | X | 263.29746 | 202.58692 | 116.17570 | 4.78998 | 0.2203481 | 0.28924363 | 2.2644367 | 20 | 3 25.2 | 19.4 |
| 92442 2000 $KF_{4}$ | 15.6 | X | 227.94343 | 206.63938 | 64.66049 | 7.40683 | 0.2107150 | 0.27902441 | 2.3193943 | 20 | — | — |
| 92443 2000 $KS_{4}$ | 15.9 | X | 167.37514 | 238.82191 | 93.88177 | 13.10403 | 0.2568825 | 0.27740689 | 2.3284016 | 20 | 1 24.0 | 19.7 |
| 92444 2000 $KG_{5}$ | 16.1 | X | 226.05884 | 260.08320 | 69.66623 | 10.58092 | 0.1787301 | 0.28616127 | 2.2806684 | 20 | 3 11.1 | 19.9 |
| 92445 2000 $KL_{5}$ | 16.0 | X | 201.24238 | 239.25036 | 73.50702 | 10.60157 | 0.1863153 | 0.28008692 | 2.3135248 | 20 | 1 25.0 | 19.8 |
| 92446 2000 $KS_{6}$ | 16.1 | X | 257.63254 | 156.42061 | 135.65684 | 6.68307 | 0.1917950 | 0.28610902 | 2.2809461 | 20 | 2 15.6 | 19.5 |
| 92447 2000 $KR_{7}$ | 16.0 | X | 183.60795 | 239.56060 | 83.11365 | 6.66031 | 0.2017472 | 0.27880129 | 2.3206316 | 20 | 1 21.8 | 19.8 |
| 92448 2000 $KC_{9}$ | 16.5 | X | 339.91021 | 289.38549 | 53.15679 | 5.02020 | 0.1786143 | 0.30497540 | 2.1858793 | 20 | 10 3.4 | 17.8 |
| 92449 2000 $KU_{10}$ | 16.9 | X | 295.78523 | 42.08690 | 235.22612 | 9.90719 | 0.1459328 | 0.29088672 | 2.2559014 | 20 | 3 9.5 | 20.0 |
| 92450 2000 $KW_{13}$ | 16.6 | X | 218.30154 | 260.25381 | 69.27538 | 4.59047 | 0.1831243 | 0.28579934 | 2.2825934 | 20 | 2 29.3 | 20.3 |
| 92451 2000 $KS_{20}$ | 16.0 | X | 176.44869 | 176.14409 | 86.96978 | 3.16605 | 0.1756500 | 0.27216189 | 2.3582210 | 20 | — | — |
| 92452 2000 $KV_{20}$ | 16.8 | X | 230.01128 | 208.21342 | 96.43987 | 1.74394 | 0.2202210 | 0.28331213 | 2.2959333 | 20 | 2 6.1 | 20.6 |
| 92453 2000 $KZ_{21}$ | 16.4 | X | 274.48796 | 121.38573 | 230.42785 | 3.53254 | 0.1341276 | 0.29720626 | 2.2238086 | 20 | 6 2.0 | 18.8 |
| 92454 2000 $KV_{25}$ | 15.8 | X | 286.22872 | 209.85523 | 63.73449 | 5.93364 | 0.1116292 | 0.28837327 | 2.2689907 | 20 | 3 5.5 | 18.7 |
| 92455 2000 $KQ_{28}$ | 16.4 | X | 217.02756 | 160.43454 | 72.55829 | 3.79708 | 0.1833170 | 0.27441458 | 2.3452974 | 20 | — | — |
| 92456 2000 $KB_{34}$ | 15.5 | X | 239.96367 | 64.22869 | 271.78801 | 4.72529 | 0.1909291 | 0.28737624 | 2.2742357 | 20 | 3 22.6 | 19.0 |
| 92457 2000 $KY_{34}$ | 15.7 | X | 3.51759 | 97.39548 | 209.57312 | 4.22913 | 0.1847773 | 0.30210299 | 2.1997131 | 20 | 9 23.1 | 17.3 |
| 92458 2000 $KQ_{35}$ | 16.5 | X | 262.07324 | 181.04292 | 137.19133 | 5.93034 | 0.1451248 | 0.28990069 | 2.2610138 | 20 | 3 31.3 | 19.7 |
| 92459 2000 $KC_{39}$ | 16.2 | X | 206.88098 | 37.08659 | 190.10821 | 3.55834 | 0.1094358 | 0.27313781 | 2.3526004 | 20 | — | — |
| 92460 2000 $KT_{39}$ | 16.3 | X | 312.66940 | 102.68904 | 117.71140 | 3.96355 | 0.0942310 | 0.28666450 | 2.2779985 | 20 | 1 27.5 | 19.0 |
| 92461 2000 $KQ_{43}$ | 16.8 | X | 262.83001 | 310.19026 | 68.55464 | 4.37705 | 0.1954047 | 0.29933185 | 2.2132685 | 20 | 6 15.4 | 19.5 |
| 92462 2000 $KB_{55}$ | 15.7 | X | 356.40611 | 181.69450 | 88.71961 | 8.92121 | 0.1385430 | 0.29782463 | 2.2207294 | 20 | 6 28.4 | 17.3 |
| 92463 2000 $KB_{56}$ | 16.1 | X | 164.75014 | 79.04428 | 217.02438 | 5.08205 | 0.2537894 | 0.27284091 | 2.3543068 | 20 | — | — |
| 92464 2000 $KS_{56}$ | 16.1 | X | 71.50856 | 209.30948 | 106.92937 | 6.16091 | 0.2003813 | 0.26242922 | 2.4161724 | 20 | 12 30.9 | 19.8 |
| 92465 2000 $KB_{57}$ | 15.5 | X | 191.13378 | 319.91710 | 252.10680 | 7.65877 | 0.2143111 | 0.26862849 | 2.3788552 | 20 | 12 7.3 | 18.9 |
| 92466 2000 $KS_{57}$ | 15.8 | X | 307.37272 | 248.44037 | 96.87429 | 7.49882 | 0.2283659 | 0.30013666 | 2.2093102 | 20 | 7 2.1 | 17.2 |
| 92467 2000 $KY_{58}$ | 16.3 | X | 114.53328 | 3.25836 | 173.53127 | 6.01255 | 0.0526565 | 0.30397679 | 2.1906640 | 20 | 8 7.6 | 19.1 |
| 92468 2000 $KU_{60}$ | 16.8 | X | 283.61385 | 69.65541 | 144.53266 | 3.94048 | 0.1670514 | 0.28274530 | 2.2990008 | 20 | — | — |
| 92469 2000 $KX_{62}$ | 16.2 | X | 238.59610 | 95.52225 | 183.87908 | 8.21194 | 0.2127561 | 0.28237006 | 2.3010371 | 20 | 1 12.2 | 20.1 |
| 92470 2000 $KK_{63}$ | 15.7 | X | 299.64975 | 121.54889 | 136.35716 | 7.04881 | 0.0817604 | 0.28980490 | 2.2615120 | 20 | 3 4.3 | 18.3 |
| 92471 2000 $KX_{69}$ | 16.2 | X | 188.22109 | 209.25587 | 172.23470 | 7.44664 | 0.1593489 | 0.28368214 | 2.2939365 | 20 | 4 6.9 | 19.7 |
| 92472 2000 $KR_{70}$ | 16.6 | X | 35.74361 | 307.21018 | 269.71596 | 5.88701 | 0.1226869 | 0.29839571 | 2.2178951 | 20 | 6 20.5 | 18.2 |
| 92473 2000 $LP$ | 15.8 | X | 44.67944 | 220.18658 | 49.36376 | 6.59401 | 0.1472357 | 0.30393585 | 2.1908607 | 20 | 10 4.6 | 18.3 |
| 92474 2000 $LF_{4}$ | 15.9 | X | 93.86628 | 102.73145 | 164.69143 | 7.17244 | 0.1975894 | 0.25997439 | 2.4313585 | 20 | 11 22.7 | 19.9 |
| 92475 2000 $LQ_{4}$ | 16.1 | X | 233.64672 | 121.87495 | 114.15131 | 8.57965 | 0.1765692 | 0.27671484 | 2.3322821 | 20 | — | — |
| 92476 2000 $LA_{5}$ | 16.2 | X | 156.15509 | 144.04819 | 158.79881 | 6.86412 | 0.2043894 | 0.27187987 | 2.3598515 | 20 | — | — |
| 92477 2000 $LP_{5}$ | 15.8 | X | 282.06226 | 145.71771 | 185.12635 | 6.20245 | 0.2267083 | 0.29149696 | 2.2527519 | 20 | 4 29.4 | 18.7 |
| 92478 2000 $LA_{8}$ | 15.3 | X | 308.60440 | 34.64627 | 274.38222 | 4.56976 | 0.1840048 | 0.29408731 | 2.2395041 | 20 | 5 12.1 | 17.4 |
| 92479 2000 $LZ_{8}$ | 16.1 | X | 209.04854 | 221.35160 | 100.03398 | 3.86099 | 0.2269307 | 0.28135081 | 2.3065910 | 20 | 2 10.4 | 20.1 |
| 92480 2000 $LM_{9}$ | 15.8 | X | 258.49984 | 172.40548 | 90.19955 | 6.02591 | 0.1377815 | 0.28275220 | 2.2989634 | 20 | 1 14.7 | 19.1 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92481 2000 $LC_{11}$ | 15.4 | X | 27.67198 | 144.26008 | 147.05296 | 12.08582 | 0.1930290 | 0.25322342 | 2.4743823 | 20 | 10 9.9 | 18.4 |
| 92482 2000 $LQ_{13}$ | 16.0 | X | 287.85750 | 70.42650 | 210.17624 | 6.23466 | 0.1337891 | 0.28784111 | 2.2717864 | 20 | 3 8.4 | 19.0 |
| 92483 2000 $LL_{20}$ | 14.7 | X | 260.15858 | 320.14389 | 271.80316 | 24.90060 | 0.1430592 | 0.27643270 | 2.3338688 | 20 | — | — |
| 92484 2000 $LV_{21}$ | 16.0 | X | 176.33699 | 122.70810 | 202.87135 | 5.25701 | 0.2826725 | 0.27391207 | 2.3481650 | 20 | 1 21.9 | 20.2 |
| 92485 2000 $LM_{23}$ | 16.2 | X | 71.92019 | 205.77862 | 173.28004 | 6.37883 | 0.1285903 | 0.26722693 | 2.3871657 | 20 | — | — |
| 92486 2000 $LR_{30}$ | 14.7 | X | 230.04067 | 155.86358 | 244.68227 | 12.79375 | 0.1828799 | 0.23962798 | 2.5671093 | 20 | 6 8.9 | 18.8 |
| 92487 2000 $LL_{31}$ | 16.1 | X | 17.37877 | 210.85494 | 84.80167 | 5.52776 | 0.1754950 | 0.30512738 | 2.1851534 | 20 | 10 6.3 | 18.1 |
| 92488 2000 $LH_{36}$ | 15.7 | X | 319.03273 | 246.85782 | 94.44953 | 6.41547 | 0.2064834 | 0.30028872 | 2.2085642 | 20 | 7 30.2 | 16.9 |
| 92489 2000 $MK$ | 16.3 | X | 330.84595 | 299.85118 | 241.48265 | 5.72308 | 0.0457710 | 0.28254611 | 2.3000812 | 20 | 1 6.6 | 19.0 |
| 92490 2000 $MG_{2}$ | 15.8 | X | 117.69939 | 297.96385 | 10.58698 | 1.20450 | 0.1842268 | 0.26573716 | 2.3960793 | 20 | — | — |
| 92491 2000 $MA_{3}$ | 15.8 | X | 102.14445 | 39.17697 | 315.02415 | 3.65692 | 0.2504378 | 0.26727255 | 2.3868940 | 20 | — | — |
| 92492 2000 $MV_{3}$ | 15.2 | X | 92.28547 | 195.09403 | 85.40682 | 10.91777 | 0.2147380 | 0.26085673 | 2.4258727 | 20 | 12 7.2 | 19.0 |
| 92493 2000 $MX_{4}$ | 15.1 | X | 142.33013 | 214.03812 | 103.72513 | 3.63009 | 0.2039453 | 0.26788249 | 2.3832696 | 20 | — | — |
| 92494 2000 $MH_{6}$ | 15.6 | X | 158.84785 | 118.56520 | 197.54854 | 21.27684 | 0.2837747 | 0.27085808 | 2.3657827 | 20 | — | — |
| 92495 2000 $NY$ | 15.8 | X | 267.18659 | 332.07504 | 256.14208 | 2.68631 | 0.1789418 | 0.27783061 | 2.3260336 | 20 | — | — |
| 92496 2000 $NB_{2}$ | 16.3 | X | 91.07554 | 23.76601 | 312.48422 | 4.25618 | 0.2219332 | 0.26441578 | 2.4040554 | 20 | — | — |
| 92497 2000 $NQ_{2}$ | 16.1 | X | 117.16128 | 155.50372 | 181.17299 | 4.92764 | 0.2460032 | 0.26730902 | 2.3866770 | 20 | — | — |
| 92498 2000 $NH_{9}$ | 15.7 | X | 176.76596 | 354.91500 | 292.11267 | 8.00997 | 0.1225521 | 0.26984282 | 2.3717130 | 20 | — | — |
| 92499 2000 $NQ_{13}$ | 15.5 | X | 123.90708 | 67.00563 | 275.70405 | 6.05694 | 0.1238780 | 0.26784591 | 2.3834865 | 20 | — | — |
| 92500 2000 $NY_{13}$ | 15.9 | X | 210.10037 | 329.40859 | 301.69332 | 6.42792 | 0.1168774 | 0.27189466 | 2.3597660 | 20 | — | — |
| 92501 2000 $NF_{15}$ | 15.5 | X | 103.86011 | 110.16706 | 92.79312 | 1.44654 | 0.1223836 | 0.29819500 | 2.2188902 | 20 | 9 9.1 | 18.3 |
| 92502 2000 $NP_{15}$ | 15.3 | X | 226.38749 | 298.72737 | 327.69178 | 6.26677 | 0.0944748 | 0.27364488 | 2.3496932 | 20 | — | — |
| 92503 2000 $NQ_{15}$ | 15.6 | X | 265.66141 | 325.79756 | 328.44683 | 7.16320 | 0.1274707 | 0.28272729 | 2.2990984 | 20 | 3 2.5 | 18.6 |
| 92504 2000 $NR_{15}$ | 15.9 | X | 124.01056 | 239.59216 | 92.87747 | 3.52489 | 0.2195022 | 0.26672023 | 2.3901881 | 20 | — | — |
| 92505 2000 $NK_{16}$ | 16.6 | X | 108.24973 | 342.91451 | 348.47342 | 2.09310 | 0.2165380 | 0.26458802 | 2.4030120 | 20 | — | — |
| 92506 2000 $NU_{16}$ | 15.3 | X | 85.50496 | 114.64401 | 88.82481 | 4.69721 | 0.1762060 | 0.29686187 | 2.2255282 | 20 | 8 26.8 | 18.3 |
| 92507 2000 $NS_{17}$ | 15.6 | X | 146.94079 | 212.60475 | 86.85411 | 7.25740 | 0.1196674 | 0.26711418 | 2.3878374 | 20 | — | — |
| 92508 2000 $NT_{17}$ | 15.1 | X | 104.69040 | 230.43322 | 96.09915 | 9.16433 | 0.1357433 | 0.26412408 | 2.4058251 | 20 | — | — |
| 92509 2000 $NU_{18}$ | 15.9 | X | 139.54963 | 0.69459 | 327.41469 | 5.91095 | 0.2347011 | 0.26880771 | 2.3777977 | 20 | — | — |
| 92510 2000 $NH_{19}$ | 16.2 | X | 116.78794 | 234.33553 | 30.31290 | 1.46570 | 0.1792689 | 0.25961569 | 2.4335976 | 20 | 12 6.6 | 20.2 |
| 92511 2000 $NK_{20}$ | 16.0 | X | 233.23648 | 172.10821 | 144.16763 | 4.41697 | 0.0508000 | 0.28232430 | 2.3012857 | 20 | 3 2.6 | 18.8 |
| 92512 2000 $NN_{20}$ | 16.5 | X | 104.99118 | 131.49526 | 203.62771 | 1.71737 | 0.2114246 | 0.26556988 | 2.3970854 | 20 | — | — |
| 92513 2000 $NW_{20}$ | 16.1 | X | 157.27494 | 81.25831 | 280.77313 | 3.99678 | 0.2177408 | 0.27401810 | 2.3475592 | 20 | 2 15.3 | 19.8 |
| 92514 2000 $ND_{21}$ | 15.7 | X | 89.02431 | 164.16570 | 140.32540 | 11.10071 | 0.1743890 | 0.25965409 | 2.4333576 | 20 | 12 30.3 | 19.6 |
| 92515 2000 $NZ_{21}$ | 16.1 | X | 169.32570 | 239.92590 | 122.24379 | 5.95571 | 0.1901505 | 0.27806725 | 2.3247138 | 20 | 2 26.8 | 19.7 |
| 92516 2000 $ND_{25}$ | 14.8 | X | 328.40008 | 88.52255 | 305.68063 | 6.22614 | 0.0697856 | 0.30472668 | 2.1870686 | 20 | 11 19.0 | 17.0 |
| 92517 2000 $NZ_{25}$ | 15.7 | X | 191.28482 | 68.49636 | 299.90009 | 4.65339 | 0.1337641 | 0.28187680 | 2.3037207 | 20 | 3 20.0 | 19.3 |
| 92518 2000 $NR_{26}$ | 16.2 | X | 164.64074 | 18.83458 | 255.92772 | 1.83898 | 0.1912526 | 0.26756773 | 2.3851382 | 20 | — | — |
| 92519 2000 $NO_{27}$ | 15.1 | X | 212.65526 | 290.49211 | 317.58328 | 7.64908 | 0.2142870 | 0.27204860 | 2.3588757 | 20 | — | — |
| 92520 2000 $NH_{28}$ | 15.7 | X | 204.43155 | 234.12154 | 125.19439 | 8.93045 | 0.2149001 | 0.28228942 | 2.3014753 | 20 | 3 26.8 | 19.6 |
| 92521 2000 $NM_{28}$ | 16.1 | X | 221.36113 | 35.02467 | 253.49353 | 5.15872 | 0.2100581 | 0.27749832 | 2.3278901 | 20 | 1 10.4 | 20.1 |
| 92522 2000 $NS_{28}$ | 15.3 | X | 174.49065 | 154.19781 | 222.67498 | 1.03448 | 0.2593312 | 0.27911777 | 2.3188771 | 20 | 3 21.6 | 19.4 |
| 92523 2000 $NO_{29}$ | 16.3 | X | 151.26811 | 139.02743 | 138.81270 | 2.99184 | 0.1673897 | 0.26632703 | 2.3925400 | 20 | — | — |
| 92524 2000 $ON_{1}$ | 16.1 | X | 339.36109 | 312.11330 | 251.27787 | 6.54733 | 0.0699588 | 0.28165306 | 2.3049406 | 20 | 2 12.9 | 18.7 |
| 92525 Delucchi | 16.2 | X | 66.63549 | 305.98963 | 16.72402 | 2.20913 | 0.2225631 | 0.25806560 | 2.4433329 | 20 | — | — |
| 92526 2000 $OB_{3}$ | 15.6 | X | 132.58741 | 329.09947 | 295.95221 | 13.44715 | 0.1718058 | 0.26234374 | 2.4166972 | 20 | 12 21.9 | 19.6 |
| 92527 2000 $OJ_{7}$ | 16.3 | X | 187.81295 | 174.59694 | 225.27432 | 5.19696 | 0.1547332 | 0.28446487 | 2.2897265 | 20 | 4 28.8 | 19.8 |
| 92528 2000 $OQ_{8}$ | 15.5 | X | 69.42209 | 343.96567 | 312.18150 | 14.24411 | 0.1382830 | 0.25691748 | 2.4506067 | 20 | 11 24.5 | 19.3 |
| 92529 2000 $OK_{11}$ | 15.9 | X | 262.22600 | 348.60379 | 301.10490 | 8.85111 | 0.2099268 | 0.28377995 | 2.2934093 | 20 | 2 13.4 | 19.4 |
| 92530 2000 $OM_{13}$ | 16.7 | X | 163.22391 | 88.84577 | 209.67811 | 1.48725 | 0.2121417 | 0.27060363 | 2.3672655 | 20 | — | — |
| 92531 2000 $OD_{14}$ | 16.0 | X | 171.74006 | 193.85906 | 127.87041 | 7.46522 | 0.1449076 | 0.27385685 | 2.3484806 | 20 | 1 5.4 | 19.4 |
| 92532 2000 $OJ_{14}$ | 16.0 | X | 120.84552 | 30.36716 | 292.84121 | 7.13353 | 0.1172164 | 0.26710306 | 2.3879037 | 20 | — | — |
| 92533 2000 $OQ_{14}$ | 16.4 | X | 107.07487 | 343.81413 | 290.55401 | 3.72091 | 0.2896562 | 0.26100010 | 2.4249843 | 20 | 12 13.6 | 20.8 |
| 92534 2000 $OW_{15}$ | 16.0 | X | 134.04665 | 158.24016 | 231.34305 | 1.58742 | 0.2242264 | 0.27481120 | 2.3430403 | 20 | 2 28.9 | 19.5 |
| 92535 2000 $OX_{15}$ | 16.0 | X | 52.66253 | 84.42173 | 258.06865 | 1.80090 | 0.2062664 | 0.25877818 | 2.4388454 | 20 | — | — |
| 92536 2000 $OE_{16}$ | 15.5 | X | 142.08638 | 286.25711 | 95.68304 | 3.09429 | 0.2284557 | 0.27490725 | 2.3424945 | 20 | 2 29.6 | 19.1 |
| 92537 2000 $OS_{16}$ | 15.7 | X | 86.83774 | 244.81263 | 296.40136 | 6.82858 | 0.0998802 | 0.29345191 | 2.2427356 | 20 | 7 14.5 | 18.3 |
| 92538 2000 $OF_{18}$ | 15.8 | X | 100.11944 | 225.20670 | 69.85048 | 3.24791 | 0.1962228 | 0.26056953 | 2.4276550 | 20 | 12 29.8 | 19.7 |
| 92539 2000 $OB_{19}$ | 14.4 | X | 192.43451 | 45.47432 | 343.74598 | 4.68197 | 0.1888452 | 0.28211235 | 2.3024382 | 20 | 4 17.9 | 18.2 |
| 92540 2000 $OA_{20}$ | 15.4 | X | 96.01724 | 49.01676 | 271.01537 | 5.09553 | 0.1515951 | 0.26296948 | 2.4128620 | 20 | — | — |
| 92541 2000 $OX_{20}$ | 14.0 | X | 187.70885 | 40.91601 | 3.23654 | 22.17957 | 0.0321860 | 0.23038129 | 2.6353477 | 20 | 4 26.8 | 18.0 |
| 92542 2000 $OW_{21}$ | 15.7 | X | 72.05541 | 298.25977 | 150.92703 | 6.81147 | 0.1429135 | 0.27533571 | 2.3400637 | 20 | 2 13.6 | 17.8 |
| 92543 2000 $OB_{27}$ | 16.0 | X | 70.20815 | 105.68159 | 243.09363 | 1.71926 | 0.2574034 | 0.26085924 | 2.4258572 | 20 | — | — |
| 92544 2000 $OE_{27}$ | 15.6 | X | 112.02616 | 40.47753 | 294.71633 | 5.33084 | 0.1733881 | 0.26580810 | 2.3956530 | 20 | — | — |
| 92545 2000 $OV_{30}$ | 16.0 | X | 198.45132 | 94.13431 | 177.42422 | 6.00435 | 0.1099658 | 0.27144673 | 2.3623612 | 20 | — | — |
| 92546 2000 $OF_{31}$ | 15.4 | X | 66.83000 | 118.49620 | 247.40364 | 6.81689 | 0.1484869 | 0.26320032 | 2.4114510 | 20 | — | — |
| 92547 2000 $OC_{32}$ | 15.9 | X | 221.51465 | 83.79952 | 259.79094 | 6.38497 | 0.1352284 | 0.28215317 | 2.3022161 | 20 | 3 17.0 | 19.5 |
| 92548 2000 $OX_{33}$ | 16.0 | X | 119.09582 | 98.20492 | 248.81426 | 6.79979 | 0.1576777 | 0.26841477 | 2.3801178 | 20 | — | — |
| 92549 2000 $OK_{34}$ | 16.2 | X | 102.02097 | 189.41970 | 193.04006 | 4.43914 | 0.1235237 | 0.27023845 | 2.3693977 | 20 | — | — |
| 92550 2000 $OX_{34}$ | 16.2 | X | 36.42621 | 166.54420 | 181.75961 | 5.10601 | 0.2058892 | 0.25612499 | 2.4556591 | 20 | — | — |
| 92551 2000 $OV_{36}$ | 15.6 | X | 96.86962 | 149.14039 | 242.13989 | 6.53747 | 0.1402589 | 0.27017545 | 2.3697660 | 20 | 1 3.3 | 18.1 |
| 92552 2000 $OZ_{36}$ | 15.7 | X | 107.69930 | 92.92819 | 263.85485 | 8.10018 | 0.2352716 | 0.26682830 | 2.3895427 | 20 | — | — |
| 92553 2000 $OR_{37}$ | 15.5 | X | 83.44679 | 243.16338 | 241.24742 | 6.69230 | 0.0284965 | 0.28270310 | 2.2992296 | 20 | 4 1.8 | 18.2 |
| 92554 2000 $OK_{38}$ | 15.7 | X | 108.00132 | 144.57553 | 221.30278 | 8.56773 | 0.2861978 | 0.26739746 | 2.3861507 | 20 | 1 8.5 | 18.7 |
| 92555 2000 $OZ_{38}$ | 15.2 | X | 310.08264 | 347.35275 | 272.32684 | 12.41406 | 0.2504150 | 0.23643333 | 2.5901818 | 20 | 2 21.9 | 18.8 |
| 92556 2000 $OP_{39}$ | 15.2 | X | 52.46329 | 134.79987 | 225.39539 | 9.20213 | 0.2575057 | 0.25881298 | 2.4386268 | 20 | — | — |
| 92557 2000 $OY_{40}$ | 15.8 | X | 122.71096 | 77.85562 | 266.88235 | 6.08902 | 0.1317096 | 0.26776664 | 2.3839569 | 20 | — | — |
| 92558 2000 $OD_{43}$ | 15.9 | X | 305.78080 | 211.69129 | 166.92451 | 8.37338 | 0.2696033 | 0.24490828 | 2.5300770 | 20 | 8 7.9 | 18.3 |
| 92559 2000 $OO_{45}$ | 15.4 | X | 3.76046 | 228.90809 | 198.91494 | 4.70682 | 0.1926779 | 0.26020048 | 2.4299499 | 20 | — | — |
| 92560 2000 $OX_{45}$ | 15.3 | X | 134.58772 | 47.86012 | 275.96040 | 8.74872 | 0.2450401 | 0.26661035 | 2.3908448 | 20 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92561 2000 $OK_{46}$ | 14.9 | X | 219.46983 | 206.69210 | 147.14681 | 6.94855 | 0.1534350 | 0.28069513 | 2.3101816 | 20 | 4 2.4 | 18.4 |
| 92562 2000 $OX_{50}$ | 14.5 | X | 42.79722 | 338.20689 | 79.07818 | 6.42127 | 0.2341714 | 0.26004666 | 2.4309080 | 20 | — | — |
| 92563 2000 $OZ_{50}$ | 16.4 | X | 89.39183 | 306.36479 | 56.91909 | 2.19140 | 0.1975394 | 0.26577616 | 2.3958449 | 20 | — | — |
| 92564 2000 $OQ_{51}$ | 14.5 | X | 278.50287 | 183.97068 | 249.69765 | 13.24063 | 0.1610151 | 0.24765640 | 2.5113255 | 20 | 9 21.9 | 17.7 |
| 92565 2000 $ON_{52}$ | 14.9 | X | 202.63503 | 48.47876 | 278.64881 | 5.34061 | 0.1346868 | 0.27585086 | 2.3371494 | 20 | 2 9.1 | 18.6 |
| 92566 2000 $OM_{53}$ | 14.4 | X | 290.21866 | 11.38151 | 271.77089 | 6.67279 | 0.1226655 | 0.28125211 | 2.3071307 | 20 | 3 15.5 | 17.4 |
| 92567 2000 $OU_{55}$ | 15.9 | X | 24.88178 | 139.70028 | 250.33348 | 0.61772 | 0.1941950 | 0.25988310 | 2.4319279 | 20 | — | — |
| 92568 2000 $OJ_{56}$ | 15.7 | X | 328.79475 | 298.59752 | 52.28796 | 4.28922 | 0.1432831 | 0.24760379 | 2.5116813 | 20 | 9 5.5 | 18.1 |
| 92569 2000 $OC_{58}$ | 16.4 | X | 53.37292 | 273.27671 | 98.42588 | 2.31232 | 0.1975958 | 0.26121409 | 2.4236598 | 20 | — | — |
| 92570 2000 $OE_{58}$ | 16.3 | X | 58.96171 | 15.01473 | 0.70686 | 1.80224 | 0.1738298 | 0.26265217 | 2.4148049 | 20 | — | — |
| 92571 2000 $OF_{58}$ | 15.9 | X | 153.71071 | 246.35571 | 118.47626 | 4.50208 | 0.1447433 | 0.27485319 | 2.3428017 | 20 | 2 10.8 | 19.3 |
| 92572 2000 $ON_{58}$ | 16.9 | X | 239.75439 | 202.11877 | 63.28011 | 1.36077 | 0.1841788 | 0.27670759 | 2.3323229 | 20 | — | — |
| 92573 2000 $OZ_{58}$ | 16.1 | X | 139.65611 | 32.92468 | 304.65761 | 1.93475 | 0.2161869 | 0.26967896 | 2.3726737 | 20 | — | — |
| 92574 2000 $OE_{59}$ | 16.2 | X | 117.36607 | 30.26790 | 309.36159 | 4.09756 | 0.2085911 | 0.26706272 | 2.3881442 | 20 | — | — |
| 92575 2000 $OJ_{59}$ | 15.6 | X | 127.39104 | 237.69362 | 159.08294 | 4.18790 | 0.1886653 | 0.27457688 | 2.3443732 | 20 | 2 27.8 | 18.8 |
| 92576 2000 $OY_{59}$ | 16.0 | X | 29.63766 | 150.81261 | 194.68225 | 2.08388 | 0.1935650 | 0.25532642 | 2.4607767 | 20 | 12 21.1 | 19.1 |
| 92577 2000 $OD_{60}$ | 15.9 | X | 188.43747 | 359.01852 | 306.70374 | 6.48464 | 0.1203915 | 0.27298895 | 2.3534555 | 20 | 1 1.2 | 19.4 |
| 92578 Benecchi | 16.5 | X | 25.73799 | 134.02366 | 292.41120 | 2.46109 | 0.2092706 | 0.26560277 | 2.3968875 | 20 | — | — |
| 92579 2000 $OK_{69}$ | 16.6 | X | 23.13141 | 222.86496 | 150.40721 | 2.81705 | 0.2435106 | 0.25732339 | 2.4480289 | 20 | — | — |
| 92580 2000 $PZ$ | 16.4 | X | 167.39627 | 227.82965 | 168.51341 | 4.11023 | 0.1399485 | 0.28146673 | 2.3059577 | 20 | 4 4.8 | 19.7 |
| 92581 2000 $PY_{1}$ | 15.5 | X | 159.02826 | 98.84285 | 335.13713 | 5.38731 | 0.0492930 | 0.28523522 | 2.2856020 | 20 | 5 7.6 | 18.6 |
| 92582 2000 $PZ_{1}$ | 15.6 | X | 132.25951 | 38.29716 | 336.47044 | 6.46631 | 0.1226902 | 0.27261079 | 2.3556315 | 20 | 1 28.6 | 18.7 |
| 92583 2000 $PA_{2}$ | 16.1 | X | 81.83041 | 35.41660 | 8.15628 | 2.25970 | 0.2106262 | 0.26790803 | 2.3831181 | 20 | 1 8.4 | 18.2 |
| 92584 2000 $PW_{2}$ | 15.5 | X | 351.03895 | 212.65338 | 215.11871 | 5.62815 | 0.1516407 | 0.26071557 | 2.4267483 | 20 | — | — |
| 92585 Fumagalli | 16.1 | X | 70.95275 | 118.91047 | 224.41014 | 1.67123 | 0.2104548 | 0.26020105 | 2.4299463 | 20 | — | — |
| 92586 2000 $PS_{8}$ | 15.7 | X | 135.79746 | 103.51709 | 251.29418 | 5.75431 | 0.1418170 | 0.26962791 | 2.3729731 | 20 | 1 7.9 | 18.9 |
| 92587 2000 $PH_{9}$ | 15.2 | X | 312.73145 | 218.64241 | 69.56511 | 13.89940 | 0.2734773 | 0.24020031 | 2.5630299 | 20 | 4 13.6 | 18.4 |
| 92588 2000 $PJ_{11}$ | 14.8 | X | 121.18896 | 279.31157 | 64.15695 | 8.66256 | 0.2378444 | 0.26602740 | 2.3943362 | 20 | — | — |
| 92589 2000 $PO_{12}$ | 15.0 | X | 89.04769 | 104.24346 | 283.68556 | 5.95345 | 0.1526323 | 0.26643807 | 2.3918753 | 20 | — | — |
| 92590 2000 $PT_{13}$ | 15.4 | X | 201.51092 | 90.19006 | 294.29888 | 5.19148 | 0.1840377 | 0.28476243 | 2.2881312 | 20 | 4 19.2 | 19.2 |
| 92591 2000 $PX_{14}$ | 16.5 | X | 128.09600 | 299.48579 | 350.33344 | 1.64392 | 0.1103501 | 0.26437266 | 2.4043168 | 20 | — | — |
| 92592 2000 $PV_{15}$ | 15.9 | X | 181.50044 | 67.03978 | 298.83609 | 5.98846 | 0.1596244 | 0.27951619 | 2.3166730 | 20 | 3 7.9 | 19.6 |
| 92593 2000 $PN_{16}$ | 15.4 | X | 86.24110 | 295.29789 | 133.92374 | 6.80742 | 0.1352466 | 0.27469488 | 2.3437017 | 20 | 2 8.1 | 17.9 |
| 92594 2000 $PV_{16}$ | 16.0 | X | 295.66534 | 170.22496 | 157.99628 | 3.50204 | 0.2276250 | 0.24120512 | 2.5559069 | 20 | 5 15.5 | 19.1 |
| 92595 2000 $PE_{17}$ | 16.2 | X | 116.66923 | 167.97202 | 134.86474 | 6.97926 | 0.1310934 | 0.26366132 | 2.4086393 | 20 | — | — |
| 92596 2000 $PN_{18}$ | 15.9 | X | 122.18719 | 250.92504 | 47.18966 | 3.31651 | 0.1996103 | 0.26375305 | 2.4080808 | 20 | — | — |
| 92597 2000 $PE_{19}$ | 15.3 | X | 107.22879 | 151.76054 | 17.15943 | 4.25732 | 0.0618416 | 0.29251100 | 2.2475425 | 20 | 7 19.9 | 18.2 |
| 92598 2000 $PM_{19}$ | 16.3 | X | 311.25842 | 240.69820 | 6.83100 | 4.71124 | 0.1192063 | 0.28349392 | 2.2949517 | 20 | 2 29.7 | 19.0 |
| 92599 2000 $PR_{19}$ | 15.4 | X | 281.88246 | 192.43893 | 9.34029 | 7.99590 | 0.0386765 | 0.27119643 | 2.3638146 | 20 | — | — |
| 92600 2000 $PW_{19}$ | 15.6 | X | 193.42724 | 227.43347 | 94.01072 | 7.69979 | 0.1504259 | 0.27525682 | 2.3405108 | 20 | 1 27.4 | 19.2 |
| 92601 2000 $PL_{20}$ | 16.5 | X | 185.87655 | 205.25338 | 75.99953 | 3.03250 | 0.2090365 | 0.27039089 | 2.3685070 | 20 | — | — |
| 92602 2000 $PO_{20}$ | 15.3 | X | 265.19578 | 351.60014 | 72.27479 | 3.00109 | 0.1391561 | 0.24645077 | 2.5195091 | 20 | 8 30.0 | 18.3 |
| 92603 2000 $PF_{21}$ | 16.3 | X | 137.41770 | 50.09190 | 212.91858 | 0.99065 | 0.1543460 | 0.26246059 | 2.4159799 | 20 | 12 23.2 | 20.1 |
| 92604 2000 $PZ_{21}$ | 15.9 | X | 358.36972 | 350.26673 | 57.53160 | 6.65494 | 0.1357877 | 0.25758457 | 2.4463738 | 20 | — | — |
| 92605 2000 $PR_{22}$ | 16.0 | X | 165.50797 | 288.16585 | 310.12290 | 12.70785 | 0.2177396 | 0.26529435 | 2.3987448 | 20 | 12 16.1 | 20.2 |
| 92606 2000 $PB_{23}$ | 15.3 | X | 273.47237 | 336.41077 | 36.50670 | 6.85597 | 0.2117262 | 0.24148225 | 2.5539511 | 20 | 6 16.9 | 18.8 |
| 92607 2000 $PM_{23}$ | 16.1 | X | 98.00826 | 228.87777 | 141.62630 | 4.67170 | 0.2109641 | 0.26647101 | 2.3916781 | 20 | — | — |
| 92608 2000 $PR_{23}$ | 15.4 | X | 218.15831 | 78.40702 | 326.25215 | 7.97991 | 0.1744341 | 0.28703757 | 2.2760242 | 20 | 6 2.3 | 18.9 |
| 92609 2000 $PO_{24}$ | 15.3 | X | 253.85560 | 307.69236 | 74.79991 | 11.22518 | 0.2632761 | 0.23827310 | 2.5768316 | 20 | 6 1.4 | 19.1 |
| 92610 2000 $PP_{24}$ | 15.6 | X | 48.51523 | 232.76160 | 344.48788 | 4.13071 | 0.0803595 | 0.24117321 | 2.5561324 | 20 | 7 4.4 | 18.7 |
| 92611 2000 $PK_{26}$ | 15.0 | X | 318.87773 | 83.90886 | 236.79591 | 12.23417 | 0.1785133 | 0.24008619 | 2.5638420 | 20 | 6 20.6 | 17.6 |
| 92612 2000 $PZ_{26}$ | 15.4 | X | 281.35088 | 73.05775 | 327.23647 | 10.66051 | 0.1434427 | 0.24433746 | 2.5340159 | 20 | 8 18.7 | 18.5 |
| 92613 2000 $QO$ | 15.4 | X | 234.40298 | 0.60603 | 60.61141 | 2.82052 | 0.1593565 | 0.24105969 | 2.5569348 | 20 | 7 13.6 | 19.1 |
| 92614 Kazutami | 15.6 | X | 140.77723 | 14.15177 | 336.85363 | 2.76043 | 0.1945863 | 0.26946955 | 2.3739027 | 20 | 1 16.6 | 18.9 |
| 92615 2000 $QR_{1}$ | 16.5 | X | 95.55033 | 187.19576 | 162.67621 | 6.32448 | 0.2008603 | 0.26393890 | 2.4069503 | 20 | — | — |
| 92616 2000 $QU_{1}$ | 14.8 | X | 147.37137 | 322.11632 | 19.45910 | 13.90499 | 0.2366017 | 0.26705325 | 2.3882006 | 20 | 1 19.7 | 18.7 |
| 92617 2000 $QU_{3}$ | 15.8 | X | 144.50228 | 331.14303 | 11.61691 | 2.45600 | 0.2151050 | 0.26971600 | 2.3724564 | 20 | 1 12.4 | 19.1 |
| 92618 2000 $QU_{4}$ | 15.3 | X | 116.16192 | 161.60223 | 338.42072 | 9.26932 | 0.1046101 | 0.28612589 | 2.2808564 | 20 | 6 24.3 | 18.5 |
| 92619 2000 $QW_{4}$ | 16.5 | X | 294.36173 | 209.38835 | 172.41051 | 4.78197 | 0.2583513 | 0.24312442 | 2.5424378 | 20 | 7 22.9 | 19.2 |
| 92620 2000 $QG_{5}$ | 15.0 | X | 323.61306 | 120.35444 | 342.07008 | 9.33200 | 0.2194630 | 0.25735863 | 2.4478054 | 20 | — | — |
| 92621 2000 $QY_{5}$ | 16.0 | X | 265.88730 | 356.57314 | 9.28613 | 1.72907 | 0.1042753 | 0.23879789 | 2.5730550 | 20 | 6 14.0 | 19.3 |
| 92622 2000 $QB_{6}$ | 14.9 | X | 139.95569 | 57.64380 | 347.61881 | 13.16565 | 0.1200134 | 0.27476517 | 2.3433020 | 20 | 3 14.6 | 18.0 |
| 92623 2000 $QB_{8}$ | 15.2 | X | 117.35975 | 149.86136 | 323.42710 | 6.80262 | 0.0563341 | 0.28308097 | 2.2971830 | 20 | 5 8.6 | 18.3 |
| 92624 2000 $QJ_{10}$ | 16.1 | X | 88.65160 | 36.69547 | 306.57292 | 0.50464 | 0.1995290 | 0.26378406 | 2.4078921 | 20 | — | — |
| 92625 2000 $QY_{12}$ | 16.5 | X | 90.48075 | 256.68927 | 123.77930 | 3.04262 | 0.2096318 | 0.26704737 | 2.3882357 | 20 | — | — |
| 92626 2000 $QJ_{13}$ | 16.3 | X | 209.72608 | 286.38079 | 330.88415 | 2.60631 | 0.1360968 | 0.27075499 | 2.3663832 | 20 | — | — |
| 92627 2000 $QW_{13}$ | 15.7 | X | 183.46250 | 231.95075 | 164.88213 | 4.40356 | 0.2307306 | 0.28234017 | 2.3011995 | 20 | 4 23.3 | 19.5 |
| 92628 2000 $QF_{14}$ | 16.5 | X | 90.04065 | 89.88045 | 318.75114 | 0.57733 | 0.1807925 | 0.27065728 | 2.3669527 | 20 | 1 24.1 | 18.8 |
| 92629 2000 $QD_{15}$ | 16.0 | X | 110.85481 | 134.88364 | 154.32362 | 3.09587 | 0.1768265 | 0.26099296 | 2.4250286 | 20 | 12 31.1 | 19.9 |
| 92630 2000 $QG_{15}$ | 16.0 | X | 66.10980 | 174.24702 | 154.76813 | 7.20337 | 0.1227241 | 0.25865335 | 2.4396301 | 20 | — | — |
| 92631 2000 $QE_{17}$ | 15.9 | X | 156.96854 | 343.20114 | 317.61139 | 5.70955 | 0.1185680 | 0.26771947 | 2.3842369 | 20 | — | — |
| 92632 2000 $QH_{17}$ | 16.6 | X | 79.89754 | 58.58213 | 243.30021 | 1.07589 | 0.2111599 | 0.25778481 | 2.4451068 | 20 | 12 21.1 | 20.4 |
| 92633 2000 $QM_{18}$ | 16.3 | X | 85.76432 | 46.44545 | 265.69150 | 1.35067 | 0.2165819 | 0.25949641 | 2.4343433 | 20 | — | — |
| 92634 2000 $QN_{19}$ | 16.3 | X | 66.77429 | 257.59932 | 136.82442 | 3.86585 | 0.1297051 | 0.26513784 | 2.3996887 | 20 | — | — |
| 92635 2000 $QP_{20}$ | 15.2 | X | 49.59555 | 98.65997 | 344.25672 | 6.20974 | 0.1047557 | 0.26840769 | 2.3801596 | 20 | — | — |
| 92636 2000 $QS_{20}$ | 14.5 | X | 170.94790 | 93.67988 | 346.47144 | 3.07932 | 0.1549617 | 0.23391659 | 2.6087274 | 20 | 6 4.2 | 18.7 |
| 92637 2000 $QL_{21}$ | 15.5 | X | 337.73311 | 90.06310 | 326.66227 | 11.07832 | 0.1949594 | 0.25491097 | 2.4634497 | 20 | — | — |
| 92638 2000 $QO_{21}$ | 16.8 | X | 42.73209 | 326.79851 | 345.46792 | 1.00624 | 0.2348106 | 0.25350133 | 2.4725736 | 20 | 11 29.2 | 20.1 |
| 92639 2000 $QX_{21}$ | 15.7 | X | 255.13783 | 86.35491 | 337.44896 | 8.51305 | 0.2219592 | 0.24196075 | 2.5505829 | 20 | 8 3.3 | 19.2 |
| 92640 2000 $QL_{22}$ | 15.5 | X | 220.70754 | 316.25948 | 80.88739 | 2.80188 | 0.2049246 | 0.28624068 | 2.2802466 | 20 | 5 25.1 | 19.0 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92641 2000 $QM_{23}$ | 15.8 | X | 175.35985 | 348.85916 | 359.85630 | 6.03070 | 0.1967024 | 0.27533846 | 2.3400482 | 20 | 2 16.4 | 19.5 |
| 92642 2000 $QQ_{23}$ | 15.5 | X | 91.85038 | 52.07609 | 3.69440 | 6.56272 | 0.1215528 | 0.27168080 | 2.3610041 | 20 | 1 29.6 | 18.2 |
| 92643 2000 $QE_{24}$ | 15.7 | X | 62.03374 | 147.18610 | 335.00728 | 6.20512 | 0.1560913 | 0.27502702 | 2.3418144 | 20 | 3 16.4 | 17.9 |
| 92644 2000 $QU_{26}$ | 16.1 | X | 125.26706 | 80.02456 | 195.48724 | 2.77293 | 0.0734706 | 0.25992601 | 2.4316602 | 20 | 12 26.8 | 19.7 |
| 92645 2000 $QB_{29}$ | 16.1 | X | 88.55624 | 334.62883 | 13.11319 | 2.58785 | 0.2262675 | 0.26179782 | 2.4200557 | 20 | — | — |
| 92646 2000 $QC_{31}$ | 15.7 | X | 214.68387 | 327.98872 | 23.51896 | 7.16587 | 0.1429899 | 0.28125376 | 2.3071217 | 20 | 3 25.3 | 19.1 |
| 92647 2000 $QF_{31}$ | 15.4 | X | 282.49217 | 12.32822 | 60.42820 | 4.15886 | 0.1243927 | 0.25063451 | 2.4913924 | 20 | 10 12.2 | 18.0 |
| 92648 2000 $QF_{35}$ | 14.9 | X | 318.61809 | 135.87390 | 1.00642 | 7.46277 | 0.1281072 | 0.26361631 | 2.4089135 | 20 | — | — |
| 92649 2000 $QV_{35}$ | 16.1 | X | 120.70045 | 58.23760 | 289.65206 | 3.52331 | 0.1627613 | 0.26860831 | 2.3789743 | 20 | — | — |
| 92650 2000 $QJ_{36}$ | 16.3 | X | 104.57815 | 191.24287 | 171.53641 | 2.31696 | 0.2259835 | 0.26703134 | 2.3883312 | 20 | — | — |
| 92651 2000 $QQ_{36}$ | 15.9 | X | 73.08688 | 184.45955 | 162.14484 | 4.71141 | 0.1469506 | 0.26165296 | 2.4209488 | 20 | — | — |
| 92652 2000 $QX_{36}$ | 15.5 | X | 81.28054 | 145.63647 | 294.27795 | 2.23155 | 0.0748487 | 0.27525724 | 2.3405084 | 20 | 2 5.8 | 18.0 |
| 92653 2000 $QK_{37}$ | 16.2 | X | 35.15400 | 200.46144 | 182.55987 | 1.05797 | 0.1928034 | 0.25953139 | 2.4341245 | 20 | — | — |
| 92654 2000 $QW_{37}$ | 15.9 | X | 78.99041 | 225.44775 | 188.69133 | 2.18644 | 0.1934840 | 0.26936110 | 2.3745399 | 20 | 1 14.5 | 18.0 |
| 92655 2000 $QD_{38}$ | 16.2 | X | 128.28678 | 312.47961 | 331.76872 | 1.88749 | 0.2052196 | 0.26318722 | 2.4115310 | 20 | — | — |
| 92656 2000 $QU_{39}$ | 15.9 | X | 127.86414 | 210.46549 | 154.44327 | 6.54302 | 0.1372718 | 0.27076925 | 2.3663001 | 20 | 1 10.7 | 19.0 |
| 92657 2000 $QA_{40}$ | 14.5 | X | 165.57160 | 84.08677 | 335.15850 | 6.67016 | 0.0682958 | 0.28386551 | 2.2929485 | 20 | 4 25.5 | 17.7 |
| 92658 2000 $QV_{40}$ | 16.1 | X | 44.66175 | 82.20618 | 314.01109 | 6.03193 | 0.1057328 | 0.26326903 | 2.4110314 | 20 | — | — |
| 92659 2000 $QE_{43}$ | 16.4 | X | 117.86853 | 213.39976 | 193.92628 | 2.99758 | 0.1111869 | 0.27444549 | 2.3451213 | 20 | 2 18.4 | 19.4 |
| 92660 2000 $QF_{43}$ | 15.8 | X | 64.91081 | 80.96389 | 227.85757 | 1.59522 | 0.1729260 | 0.25617117 | 2.4553640 | 20 | 12 11.8 | 19.3 |
| 92661 2000 $QG_{43}$ | 15.9 | X | 281.15094 | 206.40846 | 192.21728 | 2.60475 | 0.1720569 | 0.24489926 | 2.5301391 | 20 | 8 10.0 | 18.7 |
| 92662 2000 $QZ_{43}$ | 15.6 | X | 198.21126 | 92.67537 | 328.58245 | 12.54010 | 0.1524559 | 0.23670783 | 2.5881790 | 20 | 6 5.3 | 20.0 |
| 92663 2000 $QQ_{44}$ | 16.1 | X | 1.46780 | 227.78485 | 144.09313 | 8.60434 | 0.0461789 | 0.25469426 | 2.4648469 | 20 | 11 26.9 | 19.3 |
| 92664 2000 $QB_{47}$ | 16.5 | X | 337.28290 | 37.26792 | 340.90073 | 6.67990 | 0.3139477 | 0.24917672 | 2.5011001 | 20 | 11 16.8 | 18.0 |
| 92665 2000 $QD_{50}$ | 16.0 | X | 72.61985 | 283.01496 | 128.25731 | 1.17207 | 0.0914293 | 0.26836198 | 2.3804299 | 20 | — | — |
| 92666 2000 $QO_{51}$ | 15.9 | X | 155.19236 | 247.19586 | 139.24531 | 2.18103 | 0.0791443 | 0.27798470 | 2.3251740 | 20 | 3 4.5 | 18.8 |
| 92667 2000 $QT_{51}$ | 15.8 | X | 171.13861 | 261.28282 | 144.55784 | 6.92043 | 0.1092829 | 0.28207935 | 2.3026178 | 20 | 4 21.8 | 19.2 |
| 92668 2000 $QB_{53}$ | 16.3 | X | 356.57668 | 298.89981 | 57.05491 | 1.49936 | 0.1640952 | 0.25122425 | 2.4874919 | 20 | 11 9.0 | 18.6 |
| 92669 2000 $QG_{54}$ | 16.2 | X | 70.60139 | 243.14063 | 126.58215 | 5.69560 | 0.2143846 | 0.26197007 | 2.4189948 | 20 | — | — |
| 92670 2000 $QU_{55}$ | 16.3 | X | 113.57726 | 174.05257 | 140.71373 | 3.80003 | 0.2494427 | 0.26331613 | 2.4107439 | 20 | — | — |
| 92671 2000 $QX_{55}$ | 15.3 | X | 122.62510 | 299.09063 | 122.00589 | 5.32669 | 0.1590095 | 0.27528960 | 2.3403250 | 20 | 3 23.9 | 18.4 |
| 92672 2000 $QK_{56}$ | 16.2 | X | 313.56508 | 44.47294 | 144.34623 | 7.10642 | 0.0392341 | 0.27345632 | 2.3507733 | 20 | — | — |
| 92673 2000 $QL_{56}$ | 16.3 | X | 109.89073 | 91.97102 | 334.78787 | 8.69244 | 0.2241475 | 0.27433041 | 2.3457771 | 20 | 3 20.3 | 19.5 |
| 92674 2000 $QO_{57}$ | 16.7 | X | 313.99058 | 328.02071 | 355.92417 | 3.47839 | 0.2192279 | 0.24293437 | 2.5437636 | 20 | 6 9.5 | 19.4 |
| 92675 2000 $QF_{61}$ | 16.2 | X | 78.34322 | 298.64696 | 37.70839 | 2.96046 | 0.2264356 | 0.26038431 | 2.4288061 | 20 | — | — |
| 92676 2000 $QQ_{61}$ | 15.2 | X | 77.30693 | 20.26942 | 4.65927 | 6.09095 | 0.1115400 | 0.26408550 | 2.4060594 | 20 | — | — |
| 92677 2000 $QW_{62}$ | 15.6 | X | 73.52980 | 327.54825 | 32.95599 | 7.67738 | 0.1134334 | 0.26127441 | 2.4232867 | 20 | — | — |
| 92678 2000 $QB_{63}$ | 15.6 | X | 80.50526 | 330.33980 | 54.50825 | 8.00972 | 0.0762130 | 0.26528594 | 2.3987955 | 20 | — | — |
| 92679 2000 $QS_{63}$ | 16.2 | X | 308.49427 | 273.63649 | 47.39021 | 5.74306 | 0.2644762 | 0.24064358 | 2.5598815 | 20 | 5 17.6 | 19.0 |
| 92680 2000 $QG_{64}$ | 15.8 | X | 37.19263 | 297.79614 | 68.40938 | 7.81425 | 0.1312762 | 0.25663723 | 2.4523904 | 20 | — | — |
| 92681 2000 $QK_{67}$ | 14.9 | X | 134.77391 | 30.84118 | 13.57299 | 14.83675 | 0.1004476 | 0.22523747 | 2.6753193 | 20 | 3 14.9 | 18.8 |
| 92682 2000 $QT_{67}$ | 15.7 | X | 67.09711 | 282.48791 | 123.11981 | 7.38172 | 0.2180451 | 0.26432787 | 2.4045884 | 20 | — | — |
| 92683 2000 $QZ_{67}$ | 15.7 | X | 338.14660 | 299.21890 | 40.66700 | 5.25121 | 0.1288860 | 0.24558540 | 2.5254243 | 20 | 9 7.8 | 18.3 |
| 92684 2000 $QN_{69}$ | 15.7 | X | 324.77125 | 279.12343 | 193.32008 | 11.29907 | 0.1567095 | 0.26400279 | 2.4065619 | 20 | — | — |
| 92685 Cordellorenz | 15.7 | X | 144.25450 | 32.81565 | 1.59706 | 7.01921 | 0.1920438 | 0.27482450 | 2.3429647 | 20 | 3 14.3 | 19.0 |
| 92686 2000 $QQ_{73}$ | 15.9 | X | 206.57375 | 293.58390 | 322.44659 | 6.00657 | 0.1021611 | 0.26813853 | 2.3817521 | 20 | — | — |
| 92687 2000 $QD_{74}$ | 16.3 | X | 142.71549 | 16.05809 | 262.67780 | 1.78468 | 0.1917241 | 0.26340181 | 2.4102211 | 20 | — | — |
| 92688 2000 $QE_{74}$ | 14.0 | X | 117.19117 | 105.44493 | 328.23280 | 12.27340 | 0.1616408 | 0.22627540 | 2.6671319 | 20 | 3 29.9 | 18.1 |
| 92689 2000 $QK_{74}$ | 16.2 | X | 41.80475 | 85.09221 | 220.17644 | 1.57535 | 0.1922998 | 0.25220483 | 2.4810401 | 20 | 11 13.2 | 19.4 |
| 92690 2000 $QN_{74}$ | 15.7 | X | 348.05284 | 219.30770 | 168.01792 | 10.42724 | 0.1788588 | 0.25244466 | 2.4794685 | 20 | 12 12.2 | 18.4 |
| 92691 2000 $QD_{75}$ | 16.4 | X | 33.40128 | 38.87707 | 338.02192 | 1.36037 | 0.2168724 | 0.25739755 | 2.4475586 | 20 | — | — |
| 92692 2000 $QJ_{75}$ | 16.3 | X | 106.59037 | 105.90026 | 184.01779 | 1.01378 | 0.1784489 | 0.25939347 | 2.4349872 | 20 | 12 28.2 | 20.1 |
| 92693 2000 $QQ_{75}$ | 16.4 | X | 50.56438 | 225.16965 | 157.94462 | 2.74034 | 0.2230063 | 0.26020203 | 2.4299402 | 20 | — | — |
| 92694 2000 $QO_{77}$ | 15.8 | X | 65.88222 | 81.88357 | 287.12084 | 1.57312 | 0.1955832 | 0.26095459 | 2.4252663 | 20 | — | — |
| 92695 2000 $QB_{78}$ | 15.5 | X | 180.48014 | 288.98897 | 160.13437 | 13.17725 | 0.1294349 | 0.23687787 | 2.5869402 | 20 | 6 25.8 | 19.8 |
| 92696 2000 $QJ_{78}$ | 15.7 | X | 76.91016 | 209.44452 | 166.40260 | 7.52502 | 0.0952915 | 0.26370066 | 2.4083997 | 20 | — | — |
| 92697 2000 $QP_{78}$ | 16.6 | X | 64.05417 | 39.43218 | 300.86849 | 1.65357 | 0.2113381 | 0.25799028 | 2.4438084 | 20 | — | — |
| 92698 2000 $QT_{78}$ | 15.4 | X | 171.88438 | 314.15077 | 328.61424 | 5.07472 | 0.1299841 | 0.26629872 | 2.3927096 | 20 | — | — |
| 92699 2000 $QD_{80}$ | 15.7 | X | 150.11508 | 162.43069 | 180.59806 | 6.90931 | 0.1282892 | 0.26966122 | 2.3727777 | 20 | 1 7.5 | 19.1 |
| 92700 2000 $QT_{81}$ | 16.1 | X | 191.83201 | 315.52466 | 318.18016 | 2.77312 | 0.1164980 | 0.26821495 | 2.3812997 | 20 | — | — |
| 92701 2000 $QC_{82}$ | 16.1 | X | 295.57124 | 191.40915 | 190.58063 | 2.13633 | 0.1635214 | 0.24389956 | 2.5370481 | 20 | 8 11.6 | 18.7 |
| 92702 2000 $QT_{82}$ | 15.7 | X | 250.61602 | 213.47401 | 176.70215 | 14.33573 | 0.1118498 | 0.23868913 | 2.5738365 | 20 | 6 26.2 | 19.6 |
| 92703 2000 $QE_{83}$ | 15.6 | X | 124.49925 | 5.02857 | 358.11512 | 1.95559 | 0.1730540 | 0.26824402 | 2.3811277 | 20 | 1 10.8 | 18.7 |
| 92704 2000 $QK_{83}$ | 15.1 | X | 284.28851 | 247.39172 | 162.12995 | 1.22837 | 0.1347265 | 0.24525519 | 2.5276906 | 20 | 9 7.3 | 18.0 |
| 92705 2000 $QY_{83}$ | 15.1 | X | 41.39829 | 298.39996 | 350.96689 | 8.82312 | 0.0394751 | 0.24694014 | 2.5161793 | 20 | 9 26.2 | 18.3 |
| 92706 2000 $QL_{84}$ | 15.2 | X | 231.28820 | 27.29371 | 318.46095 | 11.21516 | 0.1977074 | 0.23302713 | 2.6153615 | 20 | 3 26.9 | 19.7 |
| 92707 2000 $QM_{84}$ | 15.4 | X | 206.80102 | 16.93507 | 314.51603 | 7.24857 | 0.1952343 | 0.27797393 | 2.3252340 | 20 | 2 19.0 | 19.3 |
| 92708 2000 $QB_{85}$ | 15.6 | X | 11.04854 | 13.89602 | 292.27542 | 8.36274 | 0.0557765 | 0.24742790 | 2.5128715 | 20 | 9 4.2 | 18.8 |
| 92709 2000 $QP_{86}$ | 16.3 | X | 56.12790 | 65.69450 | 307.02393 | 7.85742 | 0.2268267 | 0.26025329 | 2.4296212 | 20 | — | — |
| 92710 2000 $QL_{87}$ | 15.2 | X | 93.40445 | 129.59167 | 302.67278 | 3.95697 | 0.1520566 | 0.27334254 | 2.3514256 | 20 | 2 25.0 | 17.8 |
| 92711 2000 $QP_{88}$ | 15.6 | X | 77.29319 | 184.92405 | 195.83081 | 6.15382 | 0.1044641 | 0.26496367 | 2.4007402 | 20 | — | — |
| 92712 2000 $QQ_{88}$ | 15.8 | X | 209.78522 | 253.71560 | 174.18084 | 14.74527 | 0.1138981 | 0.23897537 | 2.5717808 | 20 | 6 28.8 | 20.0 |
| 92713 2000 $QR_{88}$ | 15.8 | X | 275.21051 | 142.12760 | 179.57788 | 9.75499 | 0.0934255 | 0.23588941 | 2.5941620 | 20 | 5 1.1 | 19.3 |
| 92714 2000 $QB_{89}$ | 14.7 | X | 212.17058 | 140.07272 | 243.28026 | 4.02539 | 0.1671956 | 0.28336357 | 2.2956555 | 20 | 4 30.1 | 18.3 |
| 92715 2000 $QJ_{90}$ | 16.0 | X | 4.27301 | 95.67664 | 197.92111 | 4.66771 | 0.2146082 | 0.24556979 | 2.5255313 | 20 | 8 24.3 | 18.1 |
| 92716 2000 $QP_{91}$ | 16.0 | X | 237.94858 | 110.02971 | 312.34817 | 4.03029 | 0.2371012 | 0.23909451 | 2.5709264 | 20 | 7 10.3 | 19.9 |
| 92717 2000 $QU_{91}$ | 16.0 | X | 175.78969 | 65.91099 | 198.38595 | 3.33429 | 0.1304801 | 0.26576272 | 2.3959257 | 20 | — | — |
| 92718 2000 $QG_{92}$ | 16.1 | X | 302.49472 | 89.97245 | 274.30926 | 2.61588 | 0.2642453 | 0.24282493 | 2.5445278 | 20 | 7 11.3 | 18.4 |
| 92719 2000 $QX_{92}$ | 15.0 | X | 287.50852 | 344.00570 | 239.07085 | 2.07478 | 0.1892848 | 0.27439438 | 2.3454125 | 20 | — | — |
| 92720 2000 $QH_{93}$ | 14.3 | X | 219.93582 | 27.45615 | 10.06162 | 29.16941 | 0.1138106 | 0.23406961 | 2.6075903 | 20 | 5 18.8 | 18.9 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92721 2000 $QX_{93}$ | 15.5 | X | 9.68093 | 263.12360 | 241.19467 | 3.33786 | 0.0700482 | 0.27380189 | 2.3487949 | 20 | 1 12.1 | 17.9 |
| 92722 2000 $QY_{94}$ | 15.6 | X | 206.41511 | 118.77065 | 346.74410 | 0.25902 | 0.0220839 | 0.24488967 | 2.5302051 | 20 | 8 23.9 | 18.9 |
| 92723 2000 $QH_{96}$ | 15.7 | X | 66.01309 | 1.97750 | 31.87744 | 2.77664 | 0.2081672 | 0.26315653 | 2.4117185 | 20 | — | — |
| 92724 2000 $QZ_{96}$ | 14.4 | X | 117.66639 | 73.84727 | 5.69344 | 12.28048 | 0.1431075 | 0.22646491 | 2.6656437 | 20 | 4 8.2 | 18.3 |
| 92725 2000 $QD_{97}$ | 15.7 | X | 33.63598 | 238.38072 | 133.71222 | 5.26858 | 0.1929172 | 0.25640559 | 2.4538672 | 20 | — | — |
| 92726 2000 $QF_{97}$ | 16.1 | X | 102.59439 | 277.91405 | 45.53254 | 3.52691 | 0.1709259 | 0.26136637 | 2.4227182 | 20 | — | — |
| 92727 2000 $QV_{97}$ | 15.6 | X | 48.68025 | 337.51755 | 24.94138 | 7.02226 | 0.1090914 | 0.25775397 | 2.4453018 | 20 | — | — |
| 92728 2000 $QX_{98}$ | 15.7 | X | 55.53162 | 316.79185 | 76.84649 | 4.49933 | 0.1556210 | 0.26170930 | 2.4206014 | 20 | — | — |
| 92729 2000 $QX_{99}$ | 15.9 | X | 93.74685 | 233.35507 | 65.37086 | 4.34869 | 0.1768914 | 0.25734654 | 2.4478821 | 20 | 12 27.2 | 19.7 |
| 92730 2000 $QZ_{99}$ | 16.0 | X | 288.25238 | 233.83053 | 101.35490 | 4.73329 | 0.2123550 | 0.23831057 | 2.5765615 | 20 | 5 17.4 | 19.3 |
| 92731 2000 $QM_{100}$ | 15.0 | X | 354.97379 | 142.74275 | 23.54518 | 7.13468 | 0.0502186 | 0.27239664 | 2.3568660 | 20 | 1 25.6 | 17.8 |
| 92732 2000 $QP_{100}$ | 15.0 | X | 130.99077 | 55.35623 | 32.99592 | 5.68612 | 0.1110922 | 0.27891366 | 2.3200083 | 20 | 4 30.7 | 18.2 |
| 92733 2000 $QB_{101}$ | 15.4 | X | 75.29811 | 176.07178 | 132.67432 | 9.24233 | 0.1522097 | 0.25546517 | 2.4598857 | 20 | 12 20.5 | 19.1 |
| 92734 2000 $QE_{101}$ | 15.6 | X | 151.72543 | 249.15073 | 67.74517 | 5.15986 | 0.2209267 | 0.26749296 | 2.3855827 | 20 | — | — |
| 92735 2000 $QJ_{101}$ | 15.7 | X | 358.02833 | 260.12870 | 148.94493 | 13.85649 | 0.1452609 | 0.25514884 | 2.4619184 | 20 | — | — |
| 92736 2000 $QM_{102}$ | 15.5 | X | 247.29727 | 261.71732 | 117.65658 | 4.35890 | 0.2298763 | 0.23598803 | 2.5934391 | 20 | 5 26.2 | 19.6 |
| 92737 2000 $QR_{102}$ | 15.3 | X | 268.97501 | 320.17585 | 17.48839 | 12.21812 | 0.1713421 | 0.23528524 | 2.5986009 | 20 | 4 28.6 | 19.1 |
| 92738 2000 $QN_{104}$ | 14.8 | X | 70.52430 | 332.90084 | 21.16839 | 12.47730 | 0.2417263 | 0.25920567 | 2.4361632 | 20 | — | — |
| 92739 2000 $QZ_{105}$ | 15.3 | X | 288.69985 | 255.43435 | 152.65717 | 14.18399 | 0.0422147 | 0.24516227 | 2.5283293 | 20 | 9 28.2 | 18.5 |
| 92740 2000 $QK_{106}$ | 16.2 | X | 32.77483 | 151.72760 | 271.41215 | 1.17999 | 0.1611588 | 0.26374752 | 2.4081145 | 20 | — | — |
| 92741 2000 $QN_{106}$ | 15.7 | X | 19.95958 | 312.55637 | 97.03267 | 0.65223 | 0.1227735 | 0.26077524 | 2.4263781 | 20 | — | — |
| 92742 2000 $QC_{108}$ | 16.7 | X | 20.21011 | 251.37029 | 130.40767 | 3.21281 | 0.1814961 | 0.25654896 | 2.4529529 | 20 | — | — |
| 92743 2000 $QP_{108}$ | 15.5 | X | 324.07438 | 33.30918 | 65.73401 | 4.92725 | 0.0931830 | 0.25975334 | 2.4327377 | 20 | — | — |
| 92744 2000 $QV_{108}$ | 15.3 | X | 229.22173 | 295.09650 | 151.39366 | 15.32000 | 0.0689358 | 0.24463955 | 2.5319295 | 20 | 8 21.4 | 18.6 |
| 92745 2000 $QW_{108}$ | 16.1 | X | 104.50662 | 253.36004 | 119.43468 | 3.51451 | 0.1771937 | 0.26702622 | 2.3883618 | 20 | — | — |
| 92746 2000 $QK_{110}$ | 15.8 | X | 97.16649 | 288.10779 | 169.56238 | 4.94127 | 0.0974934 | 0.27823053 | 2.3238042 | 20 | 3 29.9 | 18.5 |
| 92747 2000 $QQ_{110}$ | 15.3 | X | 351.74743 | 279.18440 | 168.59261 | 2.12439 | 0.1884709 | 0.26058221 | 2.4275762 | 20 | — | — |
| 92748 2000 $QS_{111}$ | 16.3 | X | 102.78573 | 69.73653 | 354.15391 | 2.81120 | 0.1706135 | 0.27243879 | 2.3566228 | 20 | 3 2.6 | 18.9 |
| 92749 2000 $QT_{111}$ | 15.3 | X | 133.53904 | 159.15570 | 13.44602 | 3.10991 | 0.0932424 | 0.24426997 | 2.5344827 | 20 | 8 25.2 | 19.0 |
| 92750 2000 $QC_{112}$ | 15.6 | X | 119.07200 | 346.11642 | 340.82322 | 2.65548 | 0.1929481 | 0.26430668 | 2.4047169 | 20 | — | — |
| 92751 2000 $QM_{112}$ | 15.9 | X | 78.09925 | 169.30755 | 171.62023 | 4.88068 | 0.1657558 | 0.25983018 | 2.4322581 | 20 | — | — |
| 92752 2000 $QQ_{112}$ | 15.0 | X | 111.20963 | 280.47961 | 169.14547 | 14.94940 | 0.1170746 | 0.22729512 | 2.6591488 | 20 | 4 15.3 | 18.8 |
| 92753 2000 $QG_{113}$ | 15.9 | X | 33.67283 | 171.26736 | 283.06111 | 2.67777 | 0.0872735 | 0.26865499 | 2.3786987 | 20 | — | — |
| 92754 2000 $QY_{113}$ | 15.7 | X | 313.28362 | 248.06909 | 280.56359 | 1.65566 | 0.1344596 | 0.26802274 | 2.3824381 | 20 | — | — |
| 92755 2000 $QL_{115}$ | 16.6 | X | 100.14493 | 117.66775 | 238.25277 | 4.50499 | 0.2372738 | 0.26473266 | 2.4021366 | 20 | — | — |
| 92756 2000 $QA_{116}$ | 16.0 | X | 96.14066 | 178.27756 | 190.34751 | 5.42770 | 0.1237383 | 0.26481223 | 2.4016554 | 20 | — | — |
| 92757 2000 $QM_{118}$ | 15.4 | X | 7.04092 | 84.69205 | 212.63746 | 5.96718 | 0.1808802 | 0.24545230 | 2.5263372 | 20 | 8 31.0 | 17.8 |
| 92758 2000 $QE_{120}$ | 15.0 | X | 31.24023 | 283.89943 | 204.31408 | 5.74576 | 0.0818179 | 0.27159352 | 2.3615100 | 20 | 1 23.4 | 17.5 |
| 92759 2000 $QM_{120}$ | 16.0 | X | 302.56662 | 329.89513 | 316.25773 | 4.72566 | 0.2582858 | 0.23582951 | 2.5946012 | 20 | 3 21.1 | 19.6 |
| 92760 2000 $QK_{121}$ | 15.5 | X | 114.50739 | 353.85156 | 313.85463 | 4.06217 | 0.1844393 | 0.26101234 | 2.4249085 | 20 | — | — |
| 92761 2000 $QD_{122}$ | 15.7 | X | 129.97820 | 72.17614 | 200.30726 | 6.85047 | 0.2235606 | 0.25941466 | 2.4348546 | 20 | 12 26.6 | 20.0 |
| 92762 2000 $QF_{123}$ | 15.4 | X | 154.82569 | 342.11763 | 331.44979 | 7.93328 | 0.1463028 | 0.26571790 | 2.3961951 | 20 | — | — |
| 92763 2000 $QV_{123}$ | 15.4 | X | 229.40835 | 177.90974 | 194.30379 | 13.89014 | 0.1451351 | 0.23200945 | 2.6230038 | 20 | 5 7.9 | 19.5 |
| 92764 2000 $QE_{125}$ | 16.0 | X | 54.87884 | 247.76710 | 214.64414 | 7.92848 | 0.1034150 | 0.27331741 | 2.3515697 | 20 | 1 26.5 | 18.5 |
| 92765 2000 $QJ_{125}$ | 16.0 | X | 328.32053 | 125.38615 | 242.53157 | 5.82122 | 0.1386774 | 0.24778290 | 2.5104707 | 20 | 9 25.3 | 18.6 |
| 92766 2000 $QM_{125}$ | 15.8 | X | 217.26286 | 218.04241 | 216.85878 | 4.91299 | 0.2772361 | 0.23717105 | 2.5848078 | 20 | 7 3.6 | 20.3 |
| 92767 2000 $QF_{126}$ | 16.0 | X | 146.71110 | 52.45637 | 218.62542 | 6.46338 | 0.1193318 | 0.26310646 | 2.4120245 | 20 | — | — |
| 92768 2000 $QT_{126}$ | 16.1 | X | 14.61976 | 192.52316 | 214.49111 | 5.54892 | 0.1231665 | 0.25847310 | 2.4407642 | 20 | — | — |
| 92769 2000 $QZ_{126}$ | 16.0 | X | 82.82545 | 146.56805 | 154.44995 | 6.36811 | 0.1378667 | 0.25837571 | 2.4413774 | 20 | 12 17.7 | 19.7 |
| 92770 2000 $QO_{129}$ | 16.7 | X | 53.87578 | 188.64662 | 192.52684 | 0.90977 | 0.1968028 | 0.25980636 | 2.4324067 | 20 | — | — |
| 92771 2000 $QS_{132}$ | 15.7 | X | 150.03391 | 342.62385 | 349.45003 | 7.29091 | 0.2628666 | 0.27065099 | 2.3669893 | 20 | 1 10.1 | 19.5 |
| 92772 2000 $QW_{132}$ | 14.9 | X | 88.11363 | 91.19788 | 344.85918 | 11.30067 | 0.0252796 | 0.27687746 | 2.3313688 | 20 | 2 6.9 | 17.7 |
| 92773 2000 $QP_{133}$ | 16.3 | X | 29.58482 | 295.25919 | 75.52778 | 2.25439 | 0.1982298 | 0.25753836 | 2.4466665 | 20 | — | — |
| 92774 2000 $QU_{133}$ | 15.5 | X | 335.90396 | 270.18909 | 128.80393 | 5.96389 | 0.2005057 | 0.25309247 | 2.4752357 | 20 | 12 7.9 | 17.6 |
| 92775 2000 $QA_{134}$ | 15.5 | X | 351.11918 | 58.43215 | 29.40922 | 2.09415 | 0.1583984 | 0.26261704 | 2.4150203 | 20 | — | — |
| 92776 2000 $QB_{134}$ | 15.9 | X | 25.38110 | 330.06413 | 44.60818 | 1.77490 | 0.2066341 | 0.25705120 | 2.4497567 | 20 | — | — |
| 92777 2000 $QM_{134}$ | 15.9 | X | 96.56312 | 52.56600 | 356.65928 | 3.79371 | 0.1689165 | 0.27142871 | 2.3624658 | 20 | 2 3.2 | 18.4 |
| 92778 2000 $QE_{135}$ | 14.9 | X | 217.30711 | 104.83847 | 336.78831 | 21.64954 | 0.1353581 | 0.24293465 | 2.5437616 | 20 | 7 30.9 | 18.9 |
| 92779 2000 $QR_{135}$ | 15.2 | X | 245.39312 | 226.85538 | 98.47138 | 5.88589 | 0.2023297 | 0.23279918 | 2.6170685 | 20 | 3 22.6 | 19.4 |
| 92780 2000 $QZ_{136}$ | 16.5 | X | 104.96048 | 297.70749 | 10.00327 | 6.42439 | 0.2145183 | 0.26102885 | 2.4248063 | 20 | — | — |
| 92781 2000 $QA_{137}$ | 15.2 | X | 20.58113 | 48.46879 | 15.53218 | 7.01474 | 0.1168899 | 0.26176191 | 2.4202770 | 20 | — | — |
| 92782 2000 $QJ_{138}$ | 15.7 | X | 139.37652 | 17.26727 | 7.42358 | 6.22003 | 0.1278765 | 0.27226127 | 2.3576471 | 20 | 2 20.5 | 19.0 |
| 92783 2000 $QT_{140}$ | 15.7 | X | 344.53877 | 187.46195 | 175.42053 | 11.59847 | 0.0901015 | 0.24791834 | 2.5095563 | 20 | 10 22.2 | 18.5 |
| 92784 2000 $QA_{141}$ | 14.9 | X | 224.79421 | 33.83708 | 4.65846 | 13.01676 | 0.1834023 | 0.23467458 | 2.6031070 | 20 | 5 28.9 | 19.3 |
| 92785 2000 $QG_{143}$ | 16.1 | X | 296.28397 | 195.53566 | 176.46268 | 6.35873 | 0.2243533 | 0.24201977 | 2.5501682 | 20 | 7 17.6 | 19.0 |
| 92786 2000 $QJ_{143}$ | 15.5 | X | 262.64858 | 27.80813 | 1.15990 | 14.00091 | 0.2052281 | 0.23887525 | 2.5724994 | 20 | 6 27.7 | 19.4 |
| 92787 2000 $QE_{144}$ | 16.0 | X | 21.46399 | 32.18295 | 41.53798 | 2.72757 | 0.1939247 | 0.26121903 | 2.4236292 | 20 | — | — |
| 92788 2000 $QO_{144}$ | 14.9 | X | 265.90671 | 77.56097 | 55.84416 | 4.75117 | 0.1222891 | 0.25470456 | 2.4647804 | 20 | 12 8.8 | 17.5 |
| 92789 2000 $QF_{146}$ | 15.4 | X | 359.89736 | 215.92885 | 50.43914 | 6.22632 | 0.1488311 | 0.23907016 | 2.5711010 | 20 | 6 26.2 | 17.9 |
| 92790 2000 $QE_{149}$ | 16.0 | X | 186.54512 | 312.05289 | 282.48765 | 2.04626 | 0.1772068 | 0.26329027 | 2.4109017 | 20 | — | — |
| 92791 2000 $QX_{151}$ | 15.4 | X | 357.91019 | 288.67593 | 337.87033 | 14.23387 | 0.1202758 | 0.23946816 | 2.5682514 | 20 | 6 23.1 | 18.4 |
| 92792 2000 $QB_{152}$ | 15.8 | X | 273.93876 | 58.06805 | 305.97606 | 2.93956 | 0.0927454 | 0.23843960 | 2.5756319 | 20 | 6 24.7 | 19.1 |
| 92793 2000 $QD_{152}$ | 16.0 | X | 78.45726 | 206.84587 | 131.37257 | 8.95354 | 0.2323675 | 0.25995322 | 2.4314905 | 20 | — | — |
| 92794 2000 $QP_{152}$ | 15.8 | X | 130.67500 | 163.40654 | 218.44077 | 6.06880 | 0.1756766 | 0.27378514 | 2.3488906 | 20 | 2 8.1 | 19.1 |
| 92795 2000 $QA_{153}$ | 15.9 | X | 124.78021 | 161.04376 | 165.41096 | 7.20647 | 0.1085439 | 0.26693910 | 2.3888814 | 20 | — | — |
| 92796 2000 $QC_{153}$ | 16.2 | X | 81.56508 | 198.38022 | 178.12521 | 6.43176 | 0.1267119 | 0.26631004 | 2.3926418 | 20 | — | — |
| 92797 2000 $QF_{156}$ | 15.2 | X | 156.38537 | 259.61496 | 184.44573 | 13.19596 | 0.0813015 | 0.23529998 | 2.5984924 | 20 | 5 25.2 | 19.2 |
| 92798 2000 $QP_{156}$ | 15.4 | X | 142.88473 | 175.35633 | 250.56274 | 8.01531 | 0.1823357 | 0.27905915 | 2.3192018 | 20 | 4 18.8 | 19.0 |
| 92799 2000 $QX_{156}$ | 15.7 | X | 289.57889 | 154.81882 | 216.87278 | 8.82460 | 0.1629824 | 0.24310764 | 2.5425547 | 20 | 7 15.4 | 18.9 |
| 92800 2000 $QK_{158}$ | 16.1 | X | 104.48321 | 110.45728 | 206.36119 | 7.18339 | 0.2707130 | 0.26247554 | 2.4158882 | 20 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92801 2000 $QC_{159}$ | 16.0 | X | 116.48080 | 124.47389 | 288.00124 | 7.44206 | 0.1491078 | 0.27387887 | 2.3483547 | 20 | 2 26.8 | 19.1 |
| 92802 2000 $QN_{161}$ | 15.9 | X | 111.31852 | 86.90149 | 204.81487 | 6.72302 | 0.1265355 | 0.26107223 | 2.4245377 | 20 | — | — |
| 92803 2000 $QO_{161}$ | 15.9 | X | 119.10306 | 202.00862 | 200.31099 | 6.22561 | 0.1356994 | 0.27456193 | 2.3444582 | 20 | 2 15.8 | 19.0 |
| 92804 2000 $QA_{163}$ | 15.9 | X | 101.87514 | 142.42133 | 259.75264 | 6.33949 | 0.1022811 | 0.27155869 | 2.3617119 | 20 | 1 19.1 | 18.7 |
| 92805 2000 $QH_{163}$ | 15.8 | X | 140.27591 | 327.93093 | 264.68012 | 7.95946 | 0.2006834 | 0.25751177 | 2.4468349 | 20 | 11 16.8 | 20.0 |
| 92806 2000 $QZ_{163}$ | 15.7 | X | 176.00962 | 315.01582 | 266.73584 | 8.79401 | 0.0783788 | 0.26048844 | 2.4281588 | 20 | 12 14.9 | 19.1 |
| 92807 2000 $QK_{165}$ | 16.4 | X | 96.58510 | 115.55320 | 231.96526 | 3.10674 | 0.1991567 | 0.26349363 | 2.4096611 | 20 | — | — |
| 92808 2000 $QE_{166}$ | 15.2 | X | 34.41620 | 227.81174 | 279.79186 | 6.43863 | 0.1255283 | 0.27643336 | 2.3338651 | 20 | 2 24.9 | 17.4 |
| 92809 2000 $QM_{166}$ | 15.7 | X | 178.23374 | 78.96763 | 212.31675 | 5.95625 | 0.1162069 | 0.26844171 | 2.3799585 | 20 | — | — |
| 92810 2000 $QN_{166}$ | 15.2 | X | 74.95892 | 248.11627 | 318.72001 | 11.55505 | 0.0940559 | 0.24184789 | 2.5513763 | 20 | 7 31.2 | 18.4 |
| 92811 2000 $QF_{167}$ | 15.7 | X | 129.63603 | 237.19909 | 188.44727 | 6.58705 | 0.1000253 | 0.27754488 | 2.3276298 | 20 | 3 28.1 | 18.7 |
| 92812 2000 $QY_{169}$ | 16.3 | X | 65.57940 | 251.36904 | 193.93127 | 7.16375 | 0.1909749 | 0.26940890 | 2.3742590 | 20 | 2 1.6 | 18.4 |
| 92813 2000 $QO_{170}$ | 14.8 | X | 24.27395 | 174.06537 | 315.65876 | 6.05482 | 0.0906984 | 0.27170024 | 2.3608915 | 20 | 1 15.9 | 17.1 |
| 92814 2000 $QZ_{171}$ | 16.3 | X | 355.31407 | 209.64116 | 179.68347 | 14.35824 | 0.1705201 | 0.25272696 | 2.4776217 | 20 | 12 25.3 | 19.3 |
| 92815 2000 $QC_{172}$ | 16.1 | X | 88.46059 | 99.41683 | 305.66906 | 2.28470 | 0.1604620 | 0.26741133 | 2.3860682 | 20 | 1 13.9 | 18.4 |
| 92816 2000 $QE_{173}$ | 15.7 | X | 139.99658 | 120.74727 | 208.61347 | 5.86357 | 0.1184621 | 0.26846168 | 2.3798405 | 20 | — | — |
| 92817 2000 $QO_{173}$ | 15.8 | X | 249.49073 | 335.59921 | 282.34054 | 6.42140 | 0.0845016 | 0.27491776 | 2.3424348 | 20 | 1 3.6 | 18.9 |
| 92818 2000 $QW_{174}$ | 15.5 | X | 327.08487 | 234.13855 | 229.34480 | 2.50898 | 0.0988599 | 0.26166132 | 2.4208973 | 20 | — | — |
| 92819 2000 $QE_{175}$ | 16.0 | X | 175.32896 | 15.47653 | 251.83710 | 4.26434 | 0.1335348 | 0.26619051 | 2.3933580 | 20 | — | — |
| 92820 2000 $QX_{175}$ | 15.9 | X | 201.42704 | 330.95701 | 298.17538 | 3.76906 | 0.1613060 | 0.26946531 | 2.3739276 | 20 | — | — |
| 92821 2000 $QZ_{176}$ | 15.6 | X | 213.73227 | 97.57762 | 327.04684 | 13.15354 | 0.1317221 | 0.23850776 | 2.5751412 | 20 | 6 29.7 | 19.7 |
| 92822 2000 $QD_{177}$ | 16.0 | X | 294.33866 | 219.75790 | 174.14713 | 8.96273 | 0.2333044 | 0.24484889 | 2.5304861 | 20 | 8 14.4 | 18.7 |
| 92823 2000 $QM_{177}$ | 16.0 | X | 269.82545 | 224.69041 | 188.81025 | 9.27112 | 0.0690458 | 0.24471470 | 2.5314111 | 20 | 8 29.5 | 19.2 |
| 92824 2000 $QP_{177}$ | 16.3 | X | 26.83254 | 174.08355 | 225.79175 | 2.67209 | 0.1675738 | 0.25918633 | 2.4362844 | 20 | — | — |
| 92825 2000 $QQ_{177}$ | 16.0 | X | 358.34536 | 256.84930 | 189.01449 | 4.52290 | 0.1666305 | 0.26106010 | 2.4246127 | 20 | — | — |
| 92826 2000 $QL_{179}$ | 16.0 | X | 145.94543 | 267.88277 | 352.04564 | 14.43785 | 0.0974157 | 0.25891056 | 2.4380140 | 20 | 12 30.5 | 19.9 |
| 92827 2000 $QJ_{182}$ | 15.7 | X | 204.52585 | 328.20726 | 63.93349 | 5.84564 | 0.1296738 | 0.23195932 | 2.6233818 | 20 | 5 8.1 | 19.8 |
| 92828 2000 $QQ_{182}$ | 14.2 | X | 156.41059 | 125.87129 | 37.60883 | 5.90531 | 0.1837389 | 0.18400425 | 3.0613816 | 20 | 9 3.9 | 19.3 |
| 92829 2000 $QS_{182}$ | 15.1 | X | 96.78549 | 119.64977 | 309.58729 | 4.38816 | 0.1098996 | 0.21478118 | 2.7614588 | 20 | 2 26.9 | 18.8 |
| 92830 2000 $QX_{182}$ | 14.7 | X | 322.92363 | 246.79500 | 158.91635 | 4.20594 | 0.1819763 | 0.24498989 | 2.5295151 | 20 | 11 14.9 | 16.9 |
| 92831 2000 $QZ_{182}$ | 15.6 | X | 200.81307 | 125.82862 | 321.33178 | 9.09173 | 0.2024895 | 0.23789319 | 2.5795743 | 20 | 7 11.3 | 19.8 |
| 92832 2000 $QQ_{183}$ | 16.2 | X | 174.29034 | 193.68961 | 101.05791 | 4.00777 | 0.1755238 | 0.27096268 | 2.3651738 | 20 | — | — |
| 92833 2000 $QK_{184}$ | 15.7 | X | 53.71542 | 7.64245 | 14.75954 | 6.95893 | 0.1538372 | 0.26247484 | 2.4158925 | 20 | — | — |
| 92834 2000 $QD_{185}$ | 14.7 | X | 105.02312 | 90.68643 | 4.62959 | 6.44952 | 0.1173433 | 0.27972354 | 2.3155280 | 20 | 4 7.7 | 17.6 |
| 92835 2000 $QF_{185}$ | 15.6 | X | 335.87819 | 308.04530 | 73.26145 | 3.72885 | 0.0898057 | 0.25204550 | 2.4820856 | 20 | 11 2.3 | 18.2 |
| 92836 2000 $QN_{187}$ | 15.6 | X | 76.48554 | 204.24022 | 103.05051 | 8.95693 | 0.1268203 | 0.25721551 | 2.4487133 | 20 | 12 17.8 | 19.1 |
| 92837 2000 $QP_{187}$ | 16.1 | X | 64.34679 | 294.53984 | 114.57973 | 6.09027 | 0.3023164 | 0.26456537 | 2.4031491 | 20 | — | — |
| 92838 2000 $QB_{188}$ | 16.2 | X | 122.87214 | 276.81552 | 73.63635 | 3.59655 | 0.2086618 | 0.26766995 | 2.3845310 | 20 | — | — |
| 92839 2000 $QK_{189}$ | 15.9 | X | 86.73755 | 295.04607 | 74.46662 | 7.54162 | 0.1118054 | 0.26506225 | 2.4001449 | 20 | — | — |
| 92840 2000 $QA_{190}$ | 16.0 | X | 14.45648 | 39.94527 | 33.90011 | 5.67024 | 0.1930714 | 0.26185384 | 2.4197105 | 20 | — | — |
| 92841 2000 $QH_{190}$ | 15.6 | X | 53.51678 | 289.17311 | 111.47622 | 7.82293 | 0.1102914 | 0.26404030 | 2.4063340 | 20 | — | — |
| 92842 2000 $QA_{194}$ | 15.7 | X | 83.98254 | 269.81487 | 122.81859 | 6.84281 | 0.2122836 | 0.26603372 | 2.3942983 | 20 | — | — |
| 92843 2000 $QP_{194}$ | 14.9 | X | 15.69487 | 321.98563 | 181.42527 | 9.34900 | 0.0909957 | 0.22246796 | 2.6974769 | 20 | 1 28.4 | 18.2 |
| 92844 2000 $QB_{195}$ | 15.7 | X | 87.16115 | 348.76297 | 126.30364 | 6.09631 | 0.1129686 | 0.28085943 | 2.3092806 | 20 | 4 13.8 | 18.4 |
| 92845 2000 $QJ_{195}$ | 15.2 | X | 310.22050 | 355.29048 | 98.18213 | 5.88860 | 0.1662000 | 0.25813956 | 2.4428661 | 20 | — | — |
| 92846 2000 $QW_{195}$ | 15.1 | X | 72.14125 | 336.20217 | 143.75172 | 7.85883 | 0.1171325 | 0.27662960 | 2.3327612 | 20 | 3 29.1 | 17.6 |
| 92847 2000 $QF_{196}$ | 15.5 | X | 359.02173 | 342.75986 | 136.60558 | 6.53014 | 0.0881754 | 0.26675177 | 2.3899997 | 20 | — | — |
| 92848 2000 $QW_{197}$ | 16.4 | X | 45.13337 | 254.19653 | 123.96858 | 3.60122 | 0.1847939 | 0.25966290 | 2.4333026 | 20 | — | — |
| 92849 2000 $QC_{198}$ | 16.1 | X | 83.69407 | 63.85909 | 3.50310 | 5.05006 | 0.1664186 | 0.27117604 | 2.3639331 | 20 | 2 8.6 | 18.5 |
| 92850 2000 $QM_{198}$ | 16.0 | X | 354.31845 | 309.77457 | 86.81338 | 3.65798 | 0.1920275 | 0.25436337 | 2.4669840 | 20 | — | — |
| 92851 2000 $QU_{199}$ | 15.2 | X | 341.32851 | 63.92560 | 40.77407 | 2.56222 | 0.1164386 | 0.26285789 | 2.4135448 | 20 | — | — |
| 92852 2000 $QA_{200}$ | 15.8 | X | 56.46202 | 275.75703 | 56.74897 | 2.72641 | 0.0896315 | 0.25673179 | 2.4517882 | 20 | 12 22.8 | 19.1 |
| 92853 2000 $QT_{202}$ | 15.5 | X | 106.43085 | 71.62490 | 22.61762 | 5.68247 | 0.0953327 | 0.27839071 | 2.3229127 | 20 | 4 6.1 | 18.3 |
| 92854 2000 $QL_{204}$ | 14.9 | X | 154.01415 | 115.85475 | 16.91695 | 9.80364 | 0.0633059 | 0.23915896 | 2.5704645 | 20 | 7 27.4 | 18.7 |
| 92855 2000 $QW_{204}$ | 16.9 | X | 41.35734 | 8.49909 | 328.55124 | 2.19425 | 0.1867354 | 0.25445503 | 2.4663915 | 20 | 12 23.2 | 20.3 |
| 92856 2000 $QG_{205}$ | 14.8 | X | 200.02484 | 282.74891 | 193.63765 | 3.62617 | 0.1198743 | 0.24300339 | 2.5432819 | 20 | 8 20.3 | 18.5 |
| 92857 2000 $QQ_{205}$ | 15.6 | X | 355.23164 | 294.92576 | 151.86880 | 2.35294 | 0.1833330 | 0.25942448 | 2.4347932 | 20 | — | — |
| 92858 2000 $QV_{205}$ | 15.6 | X | 28.50710 | 279.13329 | 355.13844 | 14.47211 | 0.1490991 | 0.24502956 | 2.5292421 | 20 | 9 6.1 | 18.4 |
| 92859 2000 $QE_{206}$ | 16.1 | X | 114.39005 | 346.91655 | 351.18749 | 6.28513 | 0.1169868 | 0.26387645 | 2.4073300 | 20 | — | — |
| 92860 2000 $QP_{206}$ | 15.5 | X | 61.23319 | 57.26541 | 5.57508 | 4.51956 | 0.1257293 | 0.26603341 | 2.3943002 | 20 | — | — |
| 92861 2000 $QS_{206}$ | 15.9 | X | 354.59892 | 29.39468 | 63.90570 | 2.14965 | 0.1505237 | 0.26030599 | 2.4292932 | 20 | — | — |
| 92862 2000 $QP_{208}$ | 15.5 | X | 62.83738 | 330.60356 | 70.21370 | 3.15880 | 0.1833242 | 0.26257373 | 2.4152859 | 20 | — | — |
| 92863 2000 $QQ_{208}$ | 15.3 | X | 17.11261 | 46.07186 | 58.01301 | 4.15855 | 0.0565203 | 0.26546373 | 2.3977243 | 20 | — | — |
| 92864 2000 $QJ_{209}$ | 15.6 | X | 319.49285 | 317.75885 | 165.86339 | 6.15193 | 0.0696883 | 0.26336991 | 2.4104157 | 20 | — | — |
| 92865 2000 $QH_{211}$ | 16.1 | X | 212.84611 | 24.19287 | 7.61436 | 9.32292 | 0.1202542 | 0.23327732 | 2.6134912 | 20 | 5 13.0 | 20.2 |
| 92866 2000 $QD_{212}$ | 15.3 | X | 172.63899 | 309.63928 | 161.63466 | 14.23463 | 0.1088137 | 0.23957596 | 2.5674809 | 20 | 7 15.6 | 19.4 |
| 92867 2000 $QU_{212}$ | 16.0 | X | 328.71541 | 350.87416 | 330.01718 | 0.79374 | 0.1206938 | 0.24227147 | 2.5484016 | 20 | 7 18.5 | 18.7 |
| 92868 2000 $QB_{213}$ | 14.8 | X | 88.85961 | 144.51546 | 358.21560 | 12.50342 | 0.1530218 | 0.23251621 | 2.6191913 | 20 | 5 26.4 | 18.6 |
| 92869 2000 $QP_{213}$ | 15.9 | X | 112.65748 | 318.18870 | 4.14838 | 6.14079 | 0.1379816 | 0.26263542 | 2.4149076 | 20 | — | — |
| 92870 2000 $QH_{214}$ | 16.1 | X | 275.02785 | 241.62226 | 112.47553 | 3.34435 | 0.1814075 | 0.23852042 | 2.5750500 | 20 | 5 29.8 | 19.6 |
| 92871 2000 $QK_{214}$ | 16.5 | X | 126.37316 | 248.77377 | 50.89897 | 3.28760 | 0.2261132 | 0.26299865 | 2.4126836 | 20 | — | — |
| 92872 2000 $QN_{214}$ | 16.3 | X | 94.18925 | 235.03113 | 83.97731 | 2.29279 | 0.1965853 | 0.26003052 | 2.4310087 | 20 | — | — |
| 92873 2000 $QW_{214}$ | 15.9 | X | 115.54678 | 303.11044 | 14.33055 | 6.55984 | 0.1225602 | 0.26221275 | 2.4175020 | 20 | — | — |
| 92874 2000 $QT_{215}$ | 15.2 | X | 231.67940 | 289.30749 | 156.00256 | 6.39202 | 0.1247469 | 0.24240015 | 2.5474996 | 20 | 8 14.9 | 18.8 |
| 92875 2000 $QZ_{216}$ | 15.7 | X | 206.13344 | 64.57040 | 28.10140 | 5.46224 | 0.2758875 | 0.23697677 | 2.5862204 | 20 | 7 18.9 | 20.3 |
| 92876 2000 $QY_{217}$ | 13.8 | X | 0.60091 | 122.49116 | 40.29304 | 9.68465 | 0.0951210 | 0.21236864 | 2.7823331 | 20 | 2 7.1 | 17.3 |
| 92877 2000 $QC_{218}$ | 14.2 | X | 317.41487 | 77.67915 | 34.72233 | 2.20612 | 0.0620918 | 0.20053356 | 2.8907554 | 20 | — | — |
| 92878 2000 $QK_{218}$ | 16.2 | X | 250.88504 | 163.87444 | 124.55395 | 4.40326 | 0.1093267 | 0.28098591 | 2.3085876 | 20 | 2 11.1 | 19.3 |
| 92879 2000 $QV_{218}$ | 16.2 | X | 57.96656 | 283.39475 | 117.77267 | 3.51887 | 0.2154167 | 0.26546107 | 2.3977404 | 20 | — | — |
| 92880 2000 $QC_{219}$ | 16.7 | X | 28.35437 | 37.29887 | 310.17858 | 1.15444 | 0.2290301 | 0.25556105 | 2.4592703 | 20 | 12 27.3 | 19.7 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92881 2000 $QK_{219}$ | 15.5 | X | 170.66467 | 292.85403 | 110.69694 | 5.80470 | 0.2117859 | 0.23125730 | 2.6286882 | 20 | 4 23.6 | 20.0 |
| 92882 2000 $QQ_{224}$ | 15.8 | X | 145.57008 | 347.65775 | 53.25277 | 3.12660 | 0.2243066 | 0.22192164 | 2.7019021 | 20 | 3 30.2 | 20.3 |
| 92883 2000 $QZ_{224}$ | 16.2 | X | 43.12661 | 239.32160 | 177.57753 | 2.05353 | 0.1965486 | 0.26441867 | 2.4040379 | 20 | — | — |
| 92884 2000 $QY_{225}$ | 15.5 | X | 166.83064 | 202.29293 | 234.61439 | 2.69869 | 0.0995457 | 0.23317732 | 2.6142383 | 20 | 5 26.3 | 19.4 |
| 92885 2000 $QE_{228}$ | 16.2 | X | 42.95474 | 180.44417 | 193.82750 | 5.38133 | 0.1928294 | 0.25934957 | 2.4352620 | 20 | — | — |
| 92886 2000 $QS_{229}$ | 16.3 | X | 66.92237 | 345.05350 | 30.26271 | 2.19422 | 0.1992073 | 0.26142911 | 2.4223306 | 20 | — | — |
| 92887 2000 $QP_{230}$ | 15.8 | X | 29.87678 | 148.52991 | 128.21631 | 4.95473 | 0.1223594 | 0.24556245 | 2.5255817 | 20 | 9 6.8 | 18.7 |
| 92888 2000 $QU_{230}$ | 15.5 | X | 273.87654 | 283.67661 | 34.89565 | 11.74059 | 0.2023882 | 0.23378042 | 2.6097403 | 20 | 4 10.2 | 19.4 |
| 92889 2000 $QZ_{230}$ | 16.1 | X | 273.04213 | 16.97618 | 21.78552 | 4.91244 | 0.1744932 | 0.24088751 | 2.5581531 | 20 | 7 30.8 | 19.3 |
| 92890 2000 $QB_{232}$ | 15.8 | X | 151.19847 | 143.68519 | 342.16339 | 21.89665 | 0.1179201 | 0.23778330 | 2.5803690 | 20 | 7 20.7 | 20.1 |
| 92891 Bless | 16.0 | X | 303.97695 | 275.46730 | 311.45412 | 6.04897 | 0.0691875 | 0.28101282 | 2.3084402 | 20 | 1 29.4 | 18.8 |
| 92892 2000 $QO_{244}$ | 15.3 | X | 118.36689 | 199.09796 | 282.93441 | 4.33202 | 0.1200074 | 0.28714799 | 2.2754408 | 20 | 6 2.3 | 18.2 |
| 92893 Michaelperson | 16.2 | X | 149.23700 | 75.59061 | 191.45744 | 2.02987 | 0.1695896 | 0.26151229 | 2.4218170 | 20 | — | — |
| 92894 2000 $QA_{248}$ | 16.5 | X | 42.65006 | 142.97568 | 324.62419 | 4.80059 | 0.1816233 | 0.27212060 | 2.3584596 | 20 | 1 18.2 | 18.2 |
| 92895 2000 $QU_{250}$ | 16.3 | X | 121.54861 | 318.56350 | 4.25464 | 3.55391 | 0.1311361 | 0.26562319 | 2.3967646 | 20 | — | — |
| 92896 2000 $QW_{250}$ | 15.3 | X | 101.18657 | 35.19015 | 22.58732 | 6.65115 | 0.1170461 | 0.27387879 | 2.3483552 | 20 | 2 14.9 | 18.1 |
| 92897 2000 $RV$ | 14.9 | X | 280.12918 | 323.18190 | 12.36643 | 12.20036 | 0.1138164 | 0.23603193 | 2.5931176 | 20 | 5 17.3 | 18.5 |
| 92898 2000 $RS_{3}$ | 15.9 | X | 217.86875 | 188.29893 | 164.92574 | 6.86938 | 0.2306269 | 0.22932897 | 2.6434033 | 20 | 3 30.1 | 20.5 |
| 92899 2000 $RW_{4}$ | 14.3 | X | 305.74315 | 242.21250 | 7.44133 | 22.29918 | 0.1392886 | 0.22836461 | 2.6508400 | 20 | 3 6.4 | 17.9 |
| 92900 2000 $RZ_{4}$ | 14.4 | X | 118.89455 | 109.86421 | 12.40739 | 9.61557 | 0.0403538 | 0.23170901 | 2.6252708 | 20 | 5 22.1 | 18.1 |
| 92901 2000 $RE_{5}$ | 14.4 | X | 136.90841 | 62.77305 | 22.85412 | 22.33619 | 0.0576555 | 0.22749371 | 2.6576010 | 20 | 4 26.2 | 18.3 |
| 92902 2000 $RF_{5}$ | 15.4 | X | 347.89745 | 286.82670 | 45.15614 | 14.05672 | 0.2203922 | 0.24379598 | 2.5377667 | 20 | 9 26.9 | 17.7 |
| 92903 2000 $RO_{5}$ | 14.5 | X | 75.15995 | 76.77950 | 6.91073 | 12.38209 | 0.1020204 | 0.26834092 | 2.3805544 | 20 | 2 12.3 | 17.3 |
| 92904 2000 $RO_{6}$ | 15.1 | X | 167.83137 | 210.29638 | 189.17710 | 13.42530 | 0.1581964 | 0.22580979 | 2.6707970 | 20 | 4 13.1 | 19.3 |
| 92905 2000 $RT_{6}$ | 15.4 | X | 277.47633 | 197.53444 | 194.86751 | 15.94114 | 0.1159617 | 0.23961191 | 2.5672241 | 20 | 7 31.8 | 19.0 |
| 92906 2000 $RW_{6}$ | 15.1 | X | 247.90181 | 196.37270 | 190.84711 | 14.13692 | 0.1146630 | 0.23490099 | 2.6014341 | 20 | 6 18.5 | 19.1 |
| 92907 2000 $RK_{7}$ | 14.2 | X | 276.85383 | 326.29438 | 27.48079 | 22.53750 | 0.0703614 | 0.23439352 | 2.6051875 | 20 | 6 13.4 | 18.1 |
| 92908 2000 $RO_{7}$ | 15.1 | X | 259.10105 | 315.84487 | 50.65546 | 2.92606 | 0.1907251 | 0.23414635 | 2.6070206 | 20 | 5 25.2 | 18.8 |
| 92909 2000 $RV_{8}$ | 14.8 | X | 84.71996 | 339.60847 | 59.86326 | 9.19318 | 0.1884684 | 0.21081658 | 2.7959723 | 20 | 1 18.4 | 18.3 |
| 92910 2000 $RJ_{10}$ | 14.8 | X | 223.14668 | 239.17993 | 207.77460 | 10.79269 | 0.1940121 | 0.23384583 | 2.6092536 | 20 | 7 27.8 | 19.2 |
| 92911 2000 $RN_{10}$ | 15.0 | X | 256.46932 | 346.87918 | 51.25578 | 14.03596 | 0.2377697 | 0.23413242 | 2.6071240 | 20 | 6 26.6 | 19.1 |
| 92912 2000 $RP_{10}$ | 15.3 | X | 291.51732 | 217.88215 | 188.92363 | 1.71071 | 0.2283118 | 0.23971779 | 2.5664681 | 20 | 8 30.0 | 17.7 |
| 92913 2000 $RH_{11}$ | 15.6 | X | 313.00850 | 298.72353 | 62.03171 | 5.64614 | 0.2388923 | 0.23918159 | 2.5703024 | 20 | 8 4.4 | 17.9 |
| 92914 2000 $RG_{13}$ | 16.5 | X | 127.75772 | 97.17863 | 187.68696 | 5.62855 | 0.1529125 | 0.26075447 | 2.4265070 | 20 | — | — |
| 92915 2000 $RW_{13}$ | 14.6 | X | 13.41216 | 239.31323 | 282.60203 | 10.38525 | 0.1314000 | 0.22648040 | 2.6655222 | 20 | 2 14.2 | 17.6 |
| 92916 2000 $RW_{14}$ | 15.6 | X | 131.87845 | 128.56744 | 237.05846 | 7.11270 | 0.1347203 | 0.27021517 | 2.3695338 | 20 | 1 15.2 | 18.8 |
| 92917 2000 $RF_{15}$ | 16.1 | X | 350.89572 | 129.70305 | 239.32578 | 6.28728 | 0.0749818 | 0.25136069 | 2.4865917 | 20 | 11 6.7 | 19.0 |
| 92918 2000 $RM_{17}$ | 16.1 | X | 74.02191 | 145.75001 | 244.22099 | 6.13413 | 0.1279095 | 0.26449011 | 2.4036049 | 20 | — | — |
| 92919 2000 $RR_{17}$ | 15.2 | X | 59.17809 | 135.12812 | 229.61870 | 7.17322 | 0.0498981 | 0.25989017 | 2.4318838 | 20 | — | — |
| 92920 2000 $RA_{19}$ | 15.7 | X | 123.26113 | 92.33078 | 269.74746 | 5.91837 | 0.1602541 | 0.26807741 | 2.3821142 | 20 | 1 5.3 | 18.6 |
| 92921 2000 $RW_{19}$ | 15.2 | X | 63.02086 | 173.09281 | 248.60898 | 5.70384 | 0.1521057 | 0.26626690 | 2.3929002 | 20 | — | — |
| 92922 2000 $RX_{20}$ | 15.9 | X | 111.60322 | 8.36155 | 300.02565 | 6.39561 | 0.1099748 | 0.26028623 | 2.4294162 | 20 | — | — |
| 92923 2000 $RB_{21}$ | 15.8 | X | 349.07442 | 104.47831 | 231.64335 | 4.13235 | 0.1720147 | 0.24673471 | 2.5175758 | 20 | 9 22.2 | 18.1 |
| 92924 2000 $RH_{21}$ | 15.4 | X | 108.12789 | 354.32168 | 281.65865 | 5.52316 | 0.1241096 | 0.25579520 | 2.4577693 | 20 | 12 10.0 | 19.1 |
| 92925 2000 $RO_{22}$ | 14.3 | X | 71.31573 | 302.30080 | 186.95707 | 25.30086 | 0.2296193 | 0.22492236 | 2.6778174 | 20 | 5 2.4 | 17.9 |
| 92926 2000 $RX_{22}$ | 15.2 | X | 210.52027 | 277.38068 | 196.84291 | 9.00836 | 0.1514798 | 0.24277987 | 2.5448427 | 20 | 8 24.5 | 19.2 |
| 92927 2000 $RH_{23}$ | 15.6 | X | 197.32789 | 180.10809 | 255.50630 | 2.43232 | 0.2361953 | 0.23405283 | 2.6077150 | 20 | 6 21.0 | 19.9 |
| 92928 2000 $RP_{23}$ | 14.8 | X | 211.15121 | 248.33309 | 191.65809 | 14.65536 | 0.1442697 | 0.23775428 | 2.5805789 | 20 | 7 11.9 | 19.1 |
| 92929 2000 $RN_{25}$ | 15.5 | X | 355.51996 | 182.70875 | 274.30706 | 5.12689 | 0.0888892 | 0.26187988 | 2.4195501 | 20 | — | — |
| 92930 2000 $RH_{26}$ | 15.2 | X | 214.75936 | 165.73856 | 198.27826 | 13.41429 | 0.2395997 | 0.23092874 | 2.6311810 | 20 | 4 7.9 | 19.8 |
| 92931 2000 $RM_{26}$ | 15.4 | X | 296.50994 | 2.82605 | 321.59745 | 13.17542 | 0.1780808 | 0.23827343 | 2.5768292 | 20 | 5 13.9 | 18.9 |
| 92932 2000 $RO_{27}$ | 15.2 | X | 50.50922 | 125.51409 | 224.70120 | 7.44633 | 0.1721146 | 0.25637195 | 2.4540819 | 20 | — | — |
| 92933 2000 $RS_{29}$ | 15.2 | X | 179.39206 | 206.63225 | 209.80077 | 13.11268 | 0.2279274 | 0.23009587 | 2.6375265 | 20 | 5 15.1 | 19.8 |
| 92934 2000 $RV_{29}$ | 14.6 | X | 7.59399 | 209.79874 | 310.90463 | 9.29317 | 0.0993518 | 0.22278335 | 2.6949304 | 20 | 2 8.4 | 17.7 |
| 92935 2000 $RX_{31}$ | 15.3 | X | 123.96551 | 124.49032 | 326.85344 | 9.87261 | 0.1303178 | 0.22739981 | 2.6583326 | 20 | 4 26.3 | 19.4 |
| 92936 2000 $RQ_{32}$ | 15.7 | X | 223.39012 | 1.77509 | 314.70704 | 6.07347 | 0.2890408 | 0.22736957 | 2.6585683 | 20 | 2 16.8 | 20.5 |
| 92937 2000 $RZ_{32}$ | 15.5 | X | 46.54804 | 175.32753 | 206.54403 | 6.34285 | 0.1575756 | 0.25829011 | 2.4419168 | 20 | — | — |
| 92938 2000 $RA_{33}$ | 15.1 | X | 174.03260 | 243.01503 | 191.42414 | 21.67854 | 0.0434633 | 0.23314681 | 2.6144664 | 20 | 5 31.1 | 19.2 |
| 92939 2000 $RC_{33}$ | 14.8 | X | 179.09266 | 233.01329 | 201.29925 | 14.02182 | 0.1509412 | 0.23212607 | 2.6221253 | 20 | 6 5.5 | 19.2 |
| 92940 2000 $RX_{33}$ | 14.6 | X | 292.95353 | 277.55549 | 0.86344 | 13.31177 | 0.1426008 | 0.23023916 | 2.6364321 | 20 | 3 18.9 | 18.2 |
| 92941 2000 $RP_{34}$ | 15.1 | X | 213.26581 | 164.29659 | 305.38536 | 6.94245 | 0.1160320 | 0.24209001 | 2.5496748 | 20 | 8 25.6 | 18.9 |
| 92942 2000 $RC_{35}$ | 14.7 | X | 329.20491 | 210.39729 | 2.06577 | 13.83273 | 0.1106074 | 0.22410328 | 2.6843382 | 20 | 2 21.6 | 18.1 |
| 92943 2000 $RD_{38}$ | 15.1 | X | 125.50969 | 276.06909 | 159.76465 | 3.05392 | 0.0175048 | 0.22692651 | 2.6620276 | 20 | 3 30.3 | 18.7 |
| 92944 2000 $RK_{38}$ | 15.9 | X | 333.60348 | 314.61948 | 35.92583 | 2.46750 | 0.1414227 | 0.24474626 | 2.5311934 | 20 | 9 13.0 | 18.2 |
| 92945 2000 $RQ_{39}$ | 14.6 | X | 335.26600 | 271.39047 | 49.28738 | 15.44033 | 0.1676420 | 0.23655307 | 2.5893077 | 20 | 8 3.3 | 17.4 |
| 92946 2000 $RC_{40}$ | 15.2 | X | 310.82221 | 37.45152 | 279.32404 | 8.28737 | 0.0646156 | 0.23755134 | 2.5820485 | 20 | 6 17.2 | 18.4 |
| 92947 2000 $RO_{41}$ | 14.2 | X | 127.56438 | 121.00378 | 327.60059 | 11.71854 | 0.2657308 | 0.22528909 | 2.6749106 | 20 | 5 9.5 | 18.9 |
| 92948 2000 $RQ_{41}$ | 14.7 | X | 310.14755 | 227.61765 | 325.63885 | 11.53813 | 0.1052377 | 0.21873107 | 2.7281133 | 20 | — | — |
| 92949 2000 $RS_{41}$ | 14.4 | X | 224.08540 | 227.17374 | 312.15658 | 8.45414 | 0.0719306 | 0.25475809 | 2.4644352 | 20 | 12 18.4 | 17.6 |
| 92950 2000 $RD_{42}$ | 15.4 | X | 125.43645 | 91.49156 | 256.89989 | 6.27922 | 0.0726166 | 0.26517836 | 2.3994443 | 20 | — | — |
| 92951 2000 $RG_{42}$ | 14.2 | X | 22.17441 | 189.18291 | 329.98154 | 12.68533 | 0.0439455 | 0.22340683 | 2.6899141 | 20 | 2 29.1 | 17.7 |
| 92952 2000 $RU_{42}$ | 15.2 | X | 3.10736 | 227.74823 | 241.85484 | 7.56552 | 0.1846232 | 0.26137310 | 2.4226767 | 20 | — | — |
| 92953 2000 $RL_{43}$ | 16.3 | X | 209.19528 | 41.74102 | 330.13309 | 11.46940 | 0.3106653 | 0.22952396 | 2.6419060 | 20 | 4 6.5 | 21.4 |
| 92954 2000 $RG_{44}$ | 15.5 | X | 193.19659 | 45.42091 | 345.20070 | 13.63383 | 0.1272895 | 0.22857641 | 2.6492022 | 20 | 4 18.5 | 19.9 |
| 92955 2000 $RK_{44}$ | 14.4 | X | 96.83534 | 255.73204 | 344.28235 | 12.03086 | 0.0742429 | 0.24494722 | 2.5298089 | 20 | 10 4.1 | 18.1 |
| 92956 2000 $RC_{45}$ | 14.1 | X | 326.97254 | 308.83700 | 338.53864 | 7.53615 | 0.0256546 | 0.23353939 | 2.6115356 | 20 | 6 2.8 | 17.5 |
| 92957 2000 $RD_{45}$ | 14.6 | X | 193.80438 | 314.02261 | 313.03983 | 5.90921 | 0.0776674 | 0.26311002 | 2.4120027 | 20 | — | — |
| 92958 2000 $RP_{46}$ | 14.3 | X | 70.18303 | 268.28830 | 354.38547 | 11.20165 | 0.1435168 | 0.24383449 | 2.5374995 | 20 | 10 11.3 | 17.9 |
| 92959 2000 $RA_{47}$ | 15.4 | X | 92.91150 | 22.45960 | 346.91265 | 7.50308 | 0.1673279 | 0.26243646 | 2.4161280 | 20 | — | — |
| 92960 2000 $RE_{47}$ | 15.4 | X | 280.27568 | 321.51818 | 3.79962 | 13.89404 | 0.2708538 | 0.23493555 | 2.6011789 | 20 | 4 11.8 | 19.2 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 92961 2000 $RM_{47}$ | 14.4 | X | 147.58838 | 108.87421 | 9.09529 | 12.56335 | 0.1393587 | 0.23066642 | 2.6331754 | 20 | 7 1.2 | 18.8 |
| 92962 2000 $RD_{48}$ | 14.9 | X | 153.50584 | 89.26223 | 343.53645 | 10.68932 | 0.0677058 | 0.22711057 | 2.6605892 | 20 | 4 29.8 | 19.0 |
| 92963 2000 $RN_{48}$ | 14.4 | X | 240.40464 | 115.80743 | 309.22309 | 9.97700 | 0.1132393 | 0.23661973 | 2.5888214 | 20 | 7 30.9 | 17.8 |
| 92964 2000 $RR_{48}$ | 14.6 | X | 32.37922 | 278.10866 | 357.74237 | 11.94079 | 0.2025586 | 0.24074636 | 2.5591529 | 20 | 9 20.4 | 17.4 |
| 92965 2000 $RQ_{49}$ | 13.8 | X | 24.61370 | 227.86264 | 24.50212 | 13.62089 | 0.1199967 | 0.23577526 | 2.5949992 | 20 | 7 25.9 | 17.0 |
| 92966 2000 $RK_{50}$ | 14.8 | X | 262.98801 | 192.26463 | 212.39281 | 8.23467 | 0.1959757 | 0.23753018 | 2.5822019 | 20 | 7 17.5 | 18.5 |
| 92967 2000 $RW_{50}$ | 14.1 | X | 260.24932 | 69.69770 | 41.02598 | 13.28582 | 0.1289288 | 0.24481951 | 2.5306885 | 20 | 10 27.6 | 17.2 |
| 92968 2000 $RA_{52}$ | 14.7 | X | 278.85536 | 163.34672 | 264.90476 | 8.04677 | 0.0498629 | 0.18990667 | 2.9976154 | 20 | 9 23.4 | 18.9 |
| 92969 2000 $RG_{55}$ | 14.7 | X | 249.97834 | 110.52498 | 340.96106 | 12.62639 | 0.1173279 | 0.24105365 | 2.5569775 | 20 | 9 14.9 | 18.1 |
| 92970 2000 $RY_{55}$ | 16.1 | X | 15.75368 | 231.59072 | 177.99216 | 2.48291 | 0.1913966 | 0.25806429 | 2.4433411 | 20 | — | — |
| 92971 2000 $RR_{56}$ | 15.0 | X | 85.65014 | 19.07725 | 54.47478 | 3.42526 | 0.1613767 | 0.21429999 | 2.7655909 | 20 | 2 28.2 | 18.5 |
| 92972 2000 $RZ_{59}$ | 15.5 | X | 243.55720 | 245.00000 | 138.16217 | 3.43041 | 0.1625446 | 0.23354764 | 2.6114741 | 20 | 6 3.0 | 19.3 |
| 92973 2000 $RN_{60}$ | 14.3 | X | 51.30111 | 296.00506 | 325.95409 | 10.20506 | 0.0293023 | 0.24095664 | 2.5576638 | 20 | 8 30.7 | 17.5 |
| 92974 2000 $RM_{61}$ | 15.3 | X | 309.31066 | 271.31686 | 56.72333 | 13.68920 | 0.1884551 | 0.23392124 | 2.6086929 | 20 | 6 10.9 | 18.2 |
| 92975 2000 $RC_{65}$ | 14.6 | X | 12.42071 | 241.04521 | 236.44767 | 8.98462 | 0.1583156 | 0.26685647 | 2.3893745 | 20 | — | — |
| 92976 2000 $RP_{65}$ | 14.8 | X | 215.03292 | 273.50517 | 175.53118 | 12.86333 | 0.1513321 | 0.23789439 | 2.5795656 | 20 | 7 27.4 | 19.0 |
| 92977 2000 $RW_{67}$ | 15.0 | X | 222.56377 | 170.87928 | 195.80767 | 13.22087 | 0.1842198 | 0.22910651 | 2.6451142 | 20 | 4 21.2 | 19.2 |
| 92978 2000 $RB_{68}$ | 14.7 | X | 301.87337 | 349.55363 | 345.86845 | 6.44783 | 0.2703623 | 0.24283542 | 2.5444545 | 20 | 5 24.9 | 17.7 |
| 92979 2000 $RS_{68}$ | 14.0 | X | 156.50452 | 29.43410 | 39.26409 | 19.14360 | 0.0635133 | 0.22752193 | 2.6573813 | 20 | 5 1.7 | 17.6 |
| 92980 2000 $RG_{69}$ | 15.0 | X | 295.71824 | 222.04739 | 201.23191 | 1.65471 | 0.1308295 | 0.24738824 | 2.5131400 | 20 | 10 18.4 | 17.3 |
| 92981 2000 $RH_{69}$ | 15.9 | X | 249.91700 | 205.85909 | 162.65520 | 4.37122 | 0.2594165 | 0.23523323 | 2.5989840 | 20 | 5 12.4 | 20.0 |
| 92982 2000 $RE_{71}$ | 14.7 | X | 4.34036 | 143.22928 | 69.70545 | 3.58426 | 0.0108289 | 0.22903822 | 2.6456400 | 20 | 4 18.2 | 18.2 |
| 92983 2000 $RB_{72}$ | 15.3 | X | 195.56901 | 248.62896 | 181.51434 | 20.90025 | 0.1737534 | 0.23289226 | 2.6163711 | 20 | 6 15.2 | 20.0 |
| 92984 2000 $RS_{72}$ | 15.5 | X | 235.50534 | 230.11024 | 198.73068 | 3.87328 | 0.2241529 | 0.23603344 | 2.5931066 | 20 | 7 16.2 | 19.6 |
| 92985 2000 $RY_{72}$ | 16.4 | X | 27.01035 | 57.50401 | 290.15980 | 1.52187 | 0.1822421 | 0.25256602 | 2.4786741 | 20 | 12 18.2 | 19.3 |
| 92986 2000 $RZ_{72}$ | 15.0 | X | 355.44543 | 180.18722 | 290.68376 | 1.28718 | 0.1642042 | 0.26188012 | 2.4195487 | 20 | — | — |
| 92987 2000 $RB_{73}$ | 15.5 | X | 61.61605 | 257.70905 | 187.23630 | 4.35370 | 0.1964377 | 0.26719141 | 2.3873773 | 20 | 1 26.2 | 17.5 |
| 92988 2000 $RJ_{73}$ | 16.0 | X | 346.43872 | 276.80167 | 72.19645 | 2.81063 | 0.1596358 | 0.24741145 | 2.5129828 | 20 | 10 9.4 | 18.2 |
| 92989 2000 $RR_{73}$ | 14.7 | X | 332.63133 | 230.69982 | 18.24050 | 16.64904 | 0.1509531 | 0.23077925 | 2.6323171 | 20 | 4 5.9 | 17.5 |
| 92990 2000 $RA_{74}$ | 14.3 | X | 287.62699 | 17.54027 | 25.27361 | 14.47638 | 0.0688968 | 0.24181394 | 2.5516151 | 20 | 9 18.2 | 17.5 |
| 92991 2000 $RB_{75}$ | 15.2 | X | 272.17836 | 338.54707 | 121.55577 | 6.10458 | 0.0906421 | 0.25221968 | 2.4809427 | 20 | 11 9.0 | 18.1 |
| 92992 2000 $RP_{75}$ | 15.9 | X | 115.98255 | 352.19741 | 342.92598 | 6.56575 | 0.1354262 | 0.26291507 | 2.4131949 | 20 | — | — |
| 92993 2000 $RA_{76}$ | 13.9 | X | 182.46927 | 135.94640 | 338.35763 | 12.54089 | 0.1373345 | 0.23369080 | 2.6104075 | 20 | 8 2.0 | 18.0 |
| 92994 2000 $RB_{76}$ | 15.0 | X | 302.15514 | 93.49078 | 273.81110 | 9.91268 | 0.2091845 | 0.23940146 | 2.5687284 | 20 | 7 23.1 | 17.7 |
| 92995 2000 $RZ_{77}$ | 15.4 | X | 105.95069 | 177.63683 | 333.55006 | 13.98523 | 0.0516535 | 0.23593772 | 2.5938079 | 20 | 6 18.3 | 19.2 |
| 92996 2000 $RE_{78}$ | 15.3 | X | 32.17364 | 103.85410 | 282.02487 | 8.75969 | 0.1284720 | 0.25686406 | 2.4509464 | 20 | — | — |
| 92997 2000 $RH_{78}$ | 15.1 | X | 123.79408 | 212.09650 | 196.54229 | 5.59004 | 0.1899607 | 0.27095265 | 2.3652322 | 20 | 3 9.5 | 18.4 |
| 92998 2000 $RL_{81}$ | 15.1 | X | 178.81321 | 157.20356 | 229.73067 | 13.44692 | 0.1094138 | 0.22926750 | 2.6438758 | 20 | 4 2.1 | 19.3 |
| 92999 2000 $RL_{82}$ | 14.7 | X | 114.70543 | 194.37456 | 300.43404 | 11.66305 | 0.1501822 | 0.23379990 | 2.6095953 | 20 | 6 19.2 | 18.7 |
| 93000 2000 $RJ_{83}$ | 15.4 | X | 227.21823 | 142.73716 | 309.04171 | 12.04611 | 0.1212319 | 0.24240664 | 2.5474542 | 20 | 8 17.2 | 19.1 |
| 93001 2000 $RD_{84}$ | 15.9 | X | 65.46673 | 126.49142 | 301.87446 | 5.84633 | 0.0996144 | 0.27134693 | 2.3629404 | 20 | — | — |
| 93002 2000 $RN_{85}$ | 16.8 | X | 102.75476 | 322.59103 | 347.94642 | 2.26955 | 0.1899378 | 0.26111759 | 2.4242568 | 20 | — | — |
| 93003 2000 $RY_{85}$ | 15.0 | X | 140.22037 | 122.39470 | 17.75006 | 8.28956 | 0.0702959 | 0.23602713 | 2.5931528 | 20 | 7 19.9 | 18.9 |
| 93004 2000 $RB_{86}$ | 14.2 | X | 67.32401 | 230.32182 | 5.38683 | 13.49240 | 0.1075178 | 0.24128375 | 2.5553516 | 20 | 9 3.9 | 17.6 |
| 93005 2000 $RG_{86}$ | 15.5 | X | 251.67257 | 272.56649 | 164.26616 | 2.64464 | 0.0815524 | 0.24397295 | 2.5365393 | 20 | 9 5.2 | 18.8 |
| 93006 2000 $RH_{86}$ | 16.2 | X | 4.81575 | 20.75932 | 353.86854 | 3.17500 | 0.1125186 | 0.25205923 | 2.4819955 | 20 | 12 11.3 | 19.0 |
| 93007 2000 $RN_{86}$ | 14.6 | X | 62.54289 | 266.32388 | 299.95002 | 6.20277 | 0.1467307 | 0.23752052 | 2.5822718 | 20 | 7 20.1 | 17.6 |
| 93008 2000 $RR_{86}$ | 14.6 | X | 357.30630 | 197.59265 | 350.45270 | 13.14368 | 0.1837328 | 0.22535887 | 2.6743584 | 20 | 2 23.9 | 17.2 |
| 93009 2000 $RA_{87}$ | 15.3 | X | 244.81835 | 325.00598 | 230.63027 | 1.74038 | 0.1199491 | 0.26137475 | 2.4226665 | 20 | — | — |
| 93010 2000 $RD_{87}$ | 15.6 | X | 207.97431 | 257.85666 | 192.38272 | 5.69833 | 0.0573088 | 0.24004731 | 2.5641188 | 20 | 7 30.2 | 19.2 |
| 93011 2000 $RL_{87}$ | 16.3 | X | 327.96265 | 219.04215 | 156.30746 | 2.83937 | 0.1648755 | 0.24695239 | 2.5160961 | 20 | 10 9.9 | 18.3 |
| 93012 2000 $RZ_{87}$ | 15.7 | X | 277.98343 | 303.18834 | 243.48913 | 5.70612 | 0.0582881 | 0.26523709 | 2.3990900 | 20 | — | — |
| 93013 2000 $RG_{89}$ | 15.2 | X | 84.82485 | 282.76310 | 209.25479 | 13.94149 | 0.0499257 | 0.23061655 | 2.6335550 | 20 | 4 24.3 | 18.5 |
| 93014 2000 $RY_{90}$ | 15.5 | X | 240.35371 | 133.45546 | 213.20741 | 12.30213 | 0.1915317 | 0.23161169 | 2.6260061 | 20 | 4 10.1 | 19.8 |
| 93015 2000 $RY_{91}$ | 16.1 | X | 67.95960 | 99.19283 | 206.45418 | 6.36560 | 0.1443477 | 0.25304858 | 2.4755219 | 20 | 12 7.8 | 19.7 |
| 93016 2000 $RA_{92}$ | 15.9 | X | 61.49213 | 146.09742 | 216.19311 | 5.82289 | 0.1207796 | 0.25811455 | 2.4430239 | 20 | — | — |
| 93017 2000 $RK_{92}$ | 15.3 | X | 270.08438 | 2.25584 | 355.91106 | 14.23713 | 0.1771882 | 0.23579602 | 2.5948469 | 20 | 5 24.8 | 19.2 |
| 93018 2000 $RT_{92}$ | 15.6 | X | 48.89389 | 106.10966 | 343.05822 | 6.96890 | 0.0791177 | 0.26730526 | 2.3866994 | 20 | 1 1.1 | 18.3 |
| 93019 2000 $RE_{94}$ | 15.0 | X | 135.66225 | 178.05987 | 291.26166 | 2.96109 | 0.1886488 | 0.22990609 | 2.6389778 | 20 | 6 10.1 | 19.1 |
| 93020 2000 $RY_{94}$ | 14.7 | X | 173.91076 | 33.11629 | 39.05580 | 5.01783 | 0.0913727 | 0.23184738 | 2.6242261 | 20 | 5 26.9 | 18.6 |
| 93021 2000 $RG_{95}$ | 15.2 | X | 248.81747 | 318.68767 | 40.73304 | 4.23086 | 0.1537581 | 0.23405741 | 2.6076810 | 20 | 5 8.9 | 19.1 |
| 93022 2000 $RM_{95}$ | 16.1 | X | 317.23427 | 240.48753 | 106.52151 | 3.22125 | 0.1829762 | 0.24250679 | 2.5467527 | 20 | 7 29.6 | 18.5 |
| 93023 2000 $RP_{95}$ | 15.4 | X | 32.49547 | 238.39793 | 119.36775 | 3.55189 | 0.1852541 | 0.25400119 | 2.4693285 | 20 | — | — |
| 93024 2000 $RX_{95}$ | 15.7 | X | 200.61239 | 281.46691 | 136.37731 | 4.23002 | 0.1543464 | 0.23367830 | 2.6105005 | 20 | 6 5.1 | 19.9 |
| 93025 2000 $RD_{96}$ | 16.2 | X | 71.14753 | 183.76865 | 180.27784 | 6.61127 | 0.1731493 | 0.25996134 | 2.4314399 | 20 | — | — |
| 93026 2000 $RT_{96}$ | 14.2 | X | 106.99685 | 205.96321 | 272.36852 | 12.05130 | 0.2257116 | 0.22688991 | 2.6623139 | 20 | 5 27.8 | 18.3 |
| 93027 2000 $RA_{97}$ | 15.7 | X | 340.25651 | 46.45891 | 276.94928 | 15.03998 | 0.2326857 | 0.24476028 | 2.5310968 | 20 | 8 6.3 | 17.8 |
| 93028 2000 $RF_{98}$ | 13.7 | X | 247.24713 | 179.04500 | 274.65620 | 13.36216 | 0.0494565 | 0.24638612 | 2.5199498 | 20 | 9 19.6 | 17.3 |
| 93029 2000 $RU_{98}$ | 15.4 | X | 10.81643 | 7.88117 | 248.40926 | 12.92388 | 0.1173621 | 0.23928797 | 2.5695405 | 20 | 6 29.5 | 18.3 |
| 93030 2000 $RC_{99}$ | 14.7 | X | 67.46944 | 277.58732 | 277.65228 | 13.17859 | 0.0954487 | 0.23747429 | 2.5826070 | 20 | 7 2.9 | 17.8 |
| 93031 2000 $RH_{100}$ | 15.8 | X | 353.05786 | 88.07642 | 8.27034 | 10.28321 | 0.2252001 | 0.25924070 | 2.4359438 | 20 | — | — |
| 93032 2000 $RG_{101}$ | 14.1 | X | 94.87933 | 235.93620 | 297.06128 | 15.34057 | 0.0931507 | 0.23571090 | 2.5954716 | 20 | 7 10.1 | 17.5 |
| 93033 2000 $RK_{102}$ | 15.0 | X | 142.76112 | 132.64411 | 308.61636 | 11.46423 | 0.1286234 | 0.22849042 | 2.6498668 | 20 | 5 3.6 | 19.3 |
| 93034 2000 $RN_{102}$ | 15.0 | X | 116.79893 | 251.48911 | 208.58872 | 21.35972 | 0.0635248 | 0.22854994 | 2.6494068 | 20 | 4 26.1 | 18.6 |
| 93035 2000 $RR_{103}$ | 14.3 | X | 159.74332 | 153.58132 | 314.83930 | 11.16860 | 0.1223164 | 0.23365776 | 2.6106535 | 20 | 6 30.7 | 18.4 |
| 93036 2000 $RW_{103}$ | 15.3 | X | 236.98038 | 321.66950 | 355.87396 | 13.90081 | 0.1830472 | 0.22684214 | 2.6626876 | 20 | 3 6.2 | 19.6 |
| 93037 2000 $RF_{104}$ | 14.6 | X | 139.91616 | 175.61543 | 259.17416 | 12.14953 | 0.1283059 | 0.22670368 | 2.6637717 | 20 | 4 23.8 | 18.8 |
| 93038 2000 $RL_{104}$ | 14.7 | X | 138.30006 | 279.21946 | 223.28773 | 21.89420 | 0.2867528 | 0.28314457 | 2.2968390 | 20 | 7 24.2 | 19.2 |
| 93039 2000 $RL_{106}$ | 15.3 | X | 243.09258 | 33.81694 | 236.62663 | 13.71821 | 0.0719016 | 0.22229490 | 2.6988768 | 20 | 1 17.3 | 19.5 |
| 93040 2000 $SG$ | 14.0 | X | 37.49773 | 99.91441 | 333.57114 | 20.41978 | 0.3766432 | 0.25839417 | 2.4412612 | 20 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93041 2000 $SU_2$ | 15.1 | X | 155.60966 | 99.82943 | 201.67401 | 22.19113 | 0.2865778 | 0.26765390 | 2.3846263 | 20 | — | — |
| 93042 2000 $SD_4$ | 15.6 | X | 62.02711 | 31.62417 | 58.70460 | 3.08279 | 0.1710948 | 0.26751698 | 2.3854399 | 20 | 2 3.6 | 17.6 |
| 93043 2000 $SF_4$ | 14.4 | X | 302.73073 | 275.73438 | 48.60392 | 15.33386 | 0.0746577 | 0.23466855 | 2.6031516 | 20 | 6 11.7 | 17.7 |
| 93044 2000 $SE_6$ | 15.6 | X | 206.99425 | 322.46743 | 52.09447 | 16.60563 | 0.1567367 | 0.23068601 | 2.6330264 | 20 | 4 21.1 | 19.9 |
| 93045 2000 $SF_6$ | 14.6 | X | 166.04313 | 55.19351 | 67.39962 | 14.81489 | 0.1389050 | 0.23784088 | 2.5799525 | 20 | 7 27.3 | 18.9 |
| 93046 2000 $SM_6$ | 15.3 | X | 313.68992 | 266.30752 | 109.57621 | 15.82818 | 0.1770000 | 0.24467874 | 2.5316591 | 20 | 9 14.1 | 18.0 |
| 93047 2000 $ST_6$ | 15.6 | X | 90.86002 | 134.13962 | 294.36253 | 5.67428 | 0.0961870 | 0.27440756 | 2.3453374 | 20 | 2 6.9 | 18.2 |
| 93048 2000 $SB_7$ | 15.0 | X | 80.16938 | 281.32214 | 35.82956 | 23.15513 | 0.2275499 | 0.25903099 | 2.4372584 | 20 | — | — |
| 93049 2000 $SL_8$ | 15.6 | X | 308.50023 | 287.91986 | 77.43835 | 4.09172 | 0.1550051 | 0.24470438 | 2.5314822 | 20 | 8 14.8 | 18.1 |
| 93050 2000 $SM_8$ | 16.3 | X | 13.64404 | 226.53225 | 157.38243 | 9.99379 | 0.2242772 | 0.25519180 | 2.4616421 | 20 | — | — |
| 93051 2000 $SP_8$ | 15.8 | X | 230.76299 | 43.43538 | 12.10044 | 5.89368 | 0.1079442 | 0.23841836 | 2.5757849 | 20 | 7 8.1 | 19.6 |
| 93052 2000 $SH_9$ | 14.7 | X | 14.45371 | 358.70826 | 195.79645 | 33.15987 | 0.1496813 | 0.23031509 | 2.6358526 | 20 | 4 6.9 | 17.2 |
| 93053 2000 $SR_{12}$ | 15.3 | X | 281.20735 | 13.11536 | 119.46066 | 7.08734 | 0.0982924 | 0.25947826 | 2.4344568 | 20 | — | — |
| 93054 2000 $SW_{12}$ | 15.8 | X | 274.06327 | 124.75489 | 183.21911 | 4.64613 | 0.1534534 | 0.28692573 | 2.2766157 | 20 | 3 28.3 | 18.8 |
| 93055 2000 $SY_{12}$ | 16.0 | X | 110.21177 | 224.70942 | 175.47844 | 3.19399 | 0.1854107 | 0.27126265 | 2.3634298 | 20 | 2 10.8 | 19.0 |
| 93056 2000 $SC_{13}$ | 15.9 | X | 345.10922 | 298.14991 | 348.16265 | 13.21823 | 0.1712185 | 0.24204186 | 2.5500130 | 20 | 6 26.6 | 18.6 |
| 93057 2000 $SE_{14}$ | 15.0 | X | 277.32160 | 199.52641 | 224.40133 | 12.13087 | 0.1890975 | 0.24684394 | 2.5168330 | 20 | 9 2.3 | 18.2 |
| 93058 2000 $SL_{14}$ | 15.0 | X | 75.30973 | 179.82451 | 229.99807 | 11.09457 | 0.2266982 | 0.26663187 | 2.3907162 | 20 | 1 5.1 | 17.2 |
| 93059 2000 $SO_{16}$ | 16.0 | X | 59.94866 | 93.63929 | 345.22130 | 9.74342 | 0.1978204 | 0.26663319 | 2.3907082 | 20 | 1 17.6 | 18.0 |
| 93060 2000 $SW_{20}$ | 15.4 | X | 262.18201 | 288.90622 | 32.16202 | 14.67218 | 0.1397805 | 0.22988445 | 2.6391434 | 20 | 4 8.9 | 19.3 |
| 93061 Barbagallo | 16.3 | X | 260.98371 | 24.45753 | 354.48914 | 10.30385 | 0.1232116 | 0.23817793 | 2.5775180 | 20 | 6 23.2 | 20.0 |
| 93062 2000 $SF_{22}$ | 16.0 | X | 103.80722 | 349.09317 | 57.84291 | 5.67127 | 0.1921974 | 0.26981245 | 2.3718910 | 20 | 2 16.1 | 18.9 |
| 93063 2000 $SJ_{22}$ | 16.1 | X | 1.94090 | 267.17553 | 111.07840 | 5.36286 | 0.0909256 | 0.25247702 | 2.4792566 | 20 | 12 9.8 | 18.9 |
| 93064 2000 $SN_{22}$ | 15.9 | X | 334.41113 | 23.41096 | 296.50479 | 4.63014 | 0.1855829 | 0.24260480 | 2.5460668 | 20 | 7 24.2 | 17.9 |
| 93065 2000 $ST_{22}$ | 15.2 | X | 153.74114 | 252.41242 | 23.88726 | 6.36870 | 0.0955297 | 0.26021810 | 2.4298402 | 20 | — | — |
| 93066 2000 $SU_{22}$ | 15.8 | X | 200.77695 | 170.90983 | 190.99942 | 2.59655 | 0.1241901 | 0.22758956 | 2.6568549 | 20 | 3 27.0 | 19.9 |
| 93067 2000 $SB_{23}$ | 15.7 | X | 58.13900 | 68.18729 | 345.51926 | 0.59194 | 0.1991102 | 0.26218097 | 2.4176974 | 20 | — | — |
| 93068 2000 $SR_{24}$ | 14.6 | X | 122.66567 | 145.38551 | 339.89893 | 11.12210 | 0.0680275 | 0.23086640 | 2.6316547 | 20 | 6 4.3 | 18.5 |
| 93069 2000 $SX_{24}$ | 15.6 | X | 261.00571 | 82.79868 | 320.44540 | 5.32857 | 0.1598233 | 0.23887500 | 2.5725012 | 20 | 7 21.5 | 18.9 |
| 93070 2000 $SE_{25}$ | 13.9 | X | 64.99999 | 88.62330 | 318.92383 | 13.93796 | 0.1059731 | 0.26114440 | 2.4240909 | 20 | — | — |
| 93071 2000 $SD_{26}$ | 14.9 | X | 278.53334 | 177.39287 | 225.29095 | 11.65700 | 0.1528099 | 0.24447453 | 2.5330687 | 20 | 8 10.6 | 18.2 |
| 93072 2000 $SU_{26}$ | 15.8 | X | 187.49405 | 4.35764 | 235.19906 | 5.83012 | 0.1055969 | 0.26263514 | 2.4149093 | 20 | — | — |
| 93073 2000 $SO_{27}$ | 15.4 | X | 125.64112 | 167.58237 | 277.86294 | 3.85520 | 0.1965143 | 0.22671434 | 2.6636882 | 20 | 4 30.8 | 19.7 |
| 93074 2000 $SR_{27}$ | 16.0 | X | 16.09054 | 72.99045 | 321.45555 | 5.78750 | 0.1350188 | 0.25622768 | 2.4550030 | 20 | — | — |
| 93075 2000 $SE_{28}$ | 14.4 | X | 334.13701 | 199.02788 | 331.65604 | 16.11726 | 0.1763398 | 0.21806201 | 2.7336907 | 20 | — | — |
| 93076 2000 $SF_{28}$ | 15.4 | X | 289.61475 | 91.10436 | 279.62142 | 8.02559 | 0.1364365 | 0.24067506 | 2.5596583 | 20 | 7 19.7 | 18.5 |
| 93077 2000 $SM_{28}$ | 15.3 | X | 90.18263 | 198.91470 | 304.94819 | 10.73058 | 0.1243907 | 0.23128249 | 2.6284973 | 20 | 5 27.3 | 19.0 |
| 93078 2000 $SW_{28}$ | 15.4 | X | 94.16445 | 79.05629 | 249.07814 | 10.62031 | 0.2078187 | 0.25882710 | 2.4385382 | 20 | — | — |
| 93079 2000 $SX_{28}$ | 15.1 | X | 156.84470 | 177.98281 | 229.40125 | 13.68030 | 0.0457715 | 0.22588805 | 2.6701800 | 20 | 3 31.5 | 19.1 |
| 93080 2000 $SK_{29}$ | 15.8 | X | 231.17428 | 77.19918 | 352.90018 | 6.61293 | 0.1525457 | 0.24057208 | 2.5603887 | 20 | 7 23.9 | 19.6 |
| 93081 2000 $SP_{29}$ | 15.7 | X | 123.61509 | 241.28774 | 227.43126 | 2.59138 | 0.1614797 | 0.28088763 | 2.3091260 | 20 | 5 26.1 | 18.9 |
| 93082 2000 $SL_{32}$ | 15.9 | X | 54.48176 | 65.41607 | 22.05985 | 6.71803 | 0.2158852 | 0.26667379 | 2.3904656 | 20 | 1 19.9 | 17.7 |
| 93083 2000 $SC_{33}$ | 15.9 | X | 228.74112 | 305.05718 | 136.01096 | 5.96412 | 0.1524380 | 0.24036542 | 2.5618560 | 20 | 8 2.8 | 19.6 |
| 93084 2000 $SD_{34}$ | 14.7 | X | 33.61972 | 154.24429 | 30.54896 | 9.10700 | 0.1139808 | 0.23027130 | 2.6361868 | 20 | 4 26.6 | 17.6 |
| 93085 2000 $SE_{35}$ | 15.7 | X | 75.93479 | 235.71570 | 20.13869 | 3.90788 | 0.0426118 | 0.24725854 | 2.5140188 | 20 | 9 29.9 | 18.8 |
| 93086 2000 $SU_{35}$ | 15.5 | X | 196.68614 | 290.03161 | 176.20552 | 2.64303 | 0.1469224 | 0.23982611 | 2.5656952 | 20 | 8 1.9 | 19.4 |
| 93087 2000 $SK_{36}$ | 15.3 | X | 71.20619 | 291.72145 | 156.25352 | 9.07010 | 0.1201679 | 0.21989246 | 2.7184989 | 20 | 2 16.7 | 18.6 |
| 93088 2000 $SO_{36}$ | 15.1 | X | 46.02280 | 284.29952 | 69.78299 | 4.88346 | 0.2177503 | 0.25584721 | 2.4574363 | 20 | — | — |
| 93089 2000 $SX_{36}$ | 16.2 | X | 37.48174 | 225.54615 | 168.46853 | 5.24494 | 0.1758032 | 0.25878543 | 2.4387999 | 20 | — | — |
| 93090 2000 $SF_{37}$ | 16.0 | X | 306.08943 | 228.80435 | 161.79690 | 6.51175 | 0.1077377 | 0.24561900 | 2.5251939 | 20 | 9 22.2 | 18.6 |
| 93091 2000 $SG_{38}$ | 15.9 | X | 343.73521 | 83.32779 | 20.28411 | 5.70184 | 0.1463181 | 0.25979987 | 2.4324472 | 20 | — | — |
| 93092 2000 $SN_{38}$ | 16.5 | X | 29.57811 | 265.41729 | 146.19645 | 2.67245 | 0.2035266 | 0.25911197 | 2.4367505 | 20 | — | — |
| 93093 2000 $SB_{39}$ | 14.9 | X | 138.92599 | 36.95551 | 38.11004 | 10.08183 | 0.1978938 | 0.22629658 | 2.6669655 | 20 | 5 1.5 | 19.0 |
| 93094 2000 $SF_{39}$ | 14.6 | X | 173.10363 | 154.84720 | 60.97506 | 7.05115 | 0.0834704 | 0.25366052 | 2.4715390 | 20 | 12 1.9 | 18.1 |
| 93095 2000 $SL_{39}$ | 15.6 | X | 173.33322 | 286.83924 | 153.07473 | 7.55956 | 0.1177752 | 0.23221548 | 2.6214522 | 20 | 6 7.4 | 19.8 |
| 93096 2000 $SN_{39}$ | 15.0 | X | 283.87866 | 308.22242 | 73.68286 | 6.16745 | 0.1466070 | 0.24073487 | 2.5592343 | 20 | 7 27.4 | 18.1 |
| 93097 2000 $SP_{39}$ | 15.8 | X | 237.05900 | 254.40234 | 70.74708 | 6.15237 | 0.2418956 | 0.22956183 | 2.6416155 | 20 | 3 13.2 | 20.3 |
| 93098 2000 $ST_{39}$ | 16.0 | X | 300.89667 | 256.72620 | 100.76985 | 5.07628 | 0.1244059 | 0.24052194 | 2.5607445 | 20 | 7 22.4 | 18.7 |
| 93099 2000 $SY_{39}$ | 15.7 | X | 276.76240 | 295.91663 | 59.25213 | 6.43481 | 0.1510205 | 0.23715569 | 2.5849195 | 20 | 6 6.3 | 19.1 |
| 93100 2000 $SV_{41}$ | 15.3 | X | 285.80930 | 163.17140 | 94.20861 | 5.11631 | 0.0529712 | 0.22495399 | 2.6775664 | 20 | 2 27.2 | 18.9 |
| 93101 2000 $SU_{42}$ | 15.6 | X | 348.20649 | 14.37821 | 77.48684 | 8.63404 | 0.2372495 | 0.25537753 | 2.4604484 | 20 | — | — |
| 93102 Leroy | 15.3 | X | 170.95771 | 321.27560 | 33.66848 | 7.40818 | 0.1363864 | 0.27607459 | 2.3358866 | 20 | 2 18.0 | 18.8 |
| 93103 2000 $SA_{44}$ | 15.4 | X | 154.30865 | 47.89645 | 4.99988 | 22.10832 | 0.0451124 | 0.22707040 | 2.6609029 | 20 | 4 4.1 | 19.2 |
| 93104 2000 $SK_{45}$ | 14.7 | X | 251.74991 | 101.74858 | 262.45601 | 14.04393 | 0.1331437 | 0.23819109 | 2.5774230 | 20 | 5 20.3 | 18.6 |
| 93105 2000 $SB_{47}$ | 15.6 | X | 240.23494 | 164.17182 | 226.02876 | 10.48647 | 0.2329049 | 0.23758022 | 2.5818393 | 20 | 6 1.4 | 19.7 |
| 93106 2000 $ST_{47}$ | 14.6 | X | 202.83867 | 101.24990 | 206.71391 | 14.18077 | 0.2186473 | 0.22481166 | 2.6786964 | 20 | 1 21.6 | 19.6 |
| 93107 2000 $SA_{49}$ | 15.7 | X | 306.89176 | 296.35117 | 262.30510 | 6.24621 | 0.1062658 | 0.27200653 | 2.3591189 | 20 | — | — |
| 93108 2000 $SA_{50}$ | 15.4 | X | 183.12513 | 187.16356 | 288.78259 | 4.20551 | 0.1580377 | 0.23942588 | 2.5685537 | 20 | 7 31.8 | 19.4 |
| 93109 2000 $SN_{52}$ | 15.0 | X | 253.55722 | 163.83164 | 214.18866 | 21.68657 | 0.0393190 | 0.23528540 | 2.5985998 | 20 | 6 21.5 | 18.9 |
| 93110 2000 $SA_{54}$ | 16.3 | X | 206.51697 | 215.23090 | 209.31084 | 3.92659 | 0.1852283 | 0.23529746 | 2.5985110 | 20 | 6 17.2 | 20.6 |
| 93111 2000 $SJ_{55}$ | 15.6 | X | 195.05855 | 89.84976 | 357.79517 | 5.54671 | 0.0830716 | 0.23785753 | 2.5798321 | 20 | 7 12.0 | 19.4 |
| 93112 2000 $SP_{56}$ | 15.9 | X | 270.06959 | 299.54655 | 349.22908 | 2.17752 | 0.0724605 | 0.22890279 | 2.6466834 | 20 | 3 13.6 | 19.4 |
| 93113 2000 $SZ_{56}$ | 15.6 | X | 115.95527 | 109.23647 | 317.67984 | 1.50067 | 0.0656916 | 0.22462221 | 2.6802023 | 20 | 3 12.4 | 19.1 |
| 93114 2000 $SE_{58}$ | 15.7 | X | 271.13632 | 247.12651 | 188.85774 | 1.95253 | 0.0731304 | 0.24725225 | 2.5140614 | 20 | 10 3.9 | 18.7 |
| 93115 2000 $SJ_{58}$ | 15.9 | X | 297.05006 | 270.55800 | 188.13662 | 2.22011 | 0.0601126 | 0.25411106 | 2.4686167 | 20 | 12 16.8 | 18.8 |
| 93116 2000 $SL_{58}$ | 15.6 | X | 236.07315 | 288.06583 | 264.22849 | 1.21145 | 0.0882546 | 0.25967539 | 2.4332245 | 20 | — | — |
| 93117 2000 $SM_{58}$ | 15.7 | X | 14.57024 | 332.60318 | 305.37295 | 1.00376 | 0.1623888 | 0.24303612 | 2.5430535 | 20 | 8 16.0 | 18.2 |
| 93118 2000 $SY_{58}$ | 15.4 | X | 93.51476 | 269.15760 | 208.74079 | 1.83002 | 0.1584418 | 0.27684167 | 2.3315697 | 20 | 5 1.7 | 18.0 |
| 93119 2000 $SJ_{59}$ | 15.9 | X | 13.06210 | 4.45006 | 267.06589 | 2.44800 | 0.0849384 | 0.24053172 | 2.5606751 | 20 | 7 24.9 | 18.7 |
| 93120 2000 $SK_{59}$ | 15.4 | X | 151.45897 | 70.32207 | 352.65181 | 10.80744 | 0.1722972 | 0.22750362 | 2.6575239 | 20 | 4 22.6 | 19.8 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93121 2000 $SY_{59}$ | 16.0 | X | 207.96220 | 144.40763 | 205.23285 | 2.85567 | 0.0945807 | 0.22768619 | 2.6561030 | 20 | 3 18.9 | 20.1 |
| 93122 2000 $SB_{61}$ | 15.8 | X | 200.04933 | 243.42808 | 165.97856 | 2.76769 | 0.0132586 | 0.23432136 | 2.6057223 | 20 | 5 30.5 | 19.4 |
| 93123 2000 $SK_{61}$ | 15.5 | X | 25.57458 | 337.54267 | 119.34468 | 3.23899 | 0.1925630 | 0.26328807 | 2.4109152 | 20 | — | — |
| 93124 2000 $SU_{61}$ | 15.4 | X | 14.57624 | 312.70799 | 157.13071 | 1.29224 | 0.1428638 | 0.26484471 | 2.4014590 | 20 | — | — |
| 93125 2000 $SJ_{62}$ | 15.8 | X | 42.82931 | 287.25740 | 181.52252 | 6.68640 | 0.0842227 | 0.26945620 | 2.3739811 | 20 | 1 16.2 | 18.4 |
| 93126 2000 $SY_{62}$ | 15.9 | X | 231.31761 | 190.75670 | 243.23105 | 1.50749 | 0.0577612 | 0.24094486 | 2.5577471 | 20 | 8 7.8 | 19.4 |
| 93127 2000 $SW_{63}$ | 16.7 | X | 270.66358 | 88.99189 | 252.40009 | 0.87506 | 0.2356828 | 0.23612671 | 2.5924236 | 20 | 4 29.5 | 20.6 |
| 93128 2000 $SN_{64}$ | 15.8 | X | 166.86488 | 293.04101 | 195.00225 | 2.01041 | 0.0911118 | 0.23892166 | 2.5721662 | 20 | 8 1.0 | 19.5 |
| 93129 2000 $ST_{65}$ | 15.0 | X | 295.57305 | 17.56663 | 136.00103 | 3.03724 | 0.1485364 | 0.26036707 | 2.4289133 | 20 | — | — |
| 93130 2000 $SZ_{65}$ | 15.4 | X | 7.28312 | 324.06062 | 10.64020 | 5.45313 | 0.0636203 | 0.24754518 | 2.5120777 | 20 | 10 13.3 | 18.3 |
| 93131 2000 $SV_{67}$ | 15.7 | X | 4.43963 | 193.12602 | 84.92672 | 1.93027 | 0.1306976 | 0.24052900 | 2.5606944 | 20 | 7 23.6 | 18.1 |
| 93132 2000 $SJ_{69}$ | 15.8 | X | 81.43027 | 337.29493 | 32.30539 | 7.14761 | 0.1420868 | 0.26152870 | 2.4217156 | 20 | — | — |
| 93133 2000 $SS_{69}$ | 15.6 | X | 96.10945 | 302.45605 | 44.96282 | 7.46032 | 0.1824772 | 0.26148596 | 2.4219795 | 20 | — | — |
| 93134 2000 $SB_{70}$ | 15.7 | X | 264.20517 | 293.03553 | 23.15682 | 4.10680 | 0.0301147 | 0.23013248 | 2.6372468 | 20 | 4 16.6 | 19.2 |
| 93135 2000 $SX_{70}$ | 14.9 | X | 210.08526 | 298.49954 | 127.05145 | 3.49819 | 0.0658471 | 0.23573748 | 2.5952764 | 20 | 6 29.9 | 18.7 |
| 93136 2000 $SZ_{70}$ | 15.8 | X | 241.38952 | 26.72911 | 33.34377 | 4.26636 | 0.1512647 | 0.23883378 | 2.5727972 | 20 | 7 21.7 | 19.4 |
| 93137 2000 $SC_{71}$ | 15.7 | X | 313.14933 | 233.16604 | 138.59369 | 3.15945 | 0.0906445 | 0.24398857 | 2.5364311 | 20 | 9 7.9 | 18.6 |
| 93138 2000 $SK_{71}$ | 15.6 | X | 179.80574 | 0.61776 | 15.60795 | 15.23281 | 0.1188667 | 0.22611592 | 2.6683858 | 20 | 3 26.4 | 19.7 |
| 93139 2000 $SZ_{71}$ | 15.3 | X | 163.42034 | 270.57644 | 188.61142 | 12.33129 | 0.1289794 | 0.23307251 | 2.6150220 | 20 | 6 21.1 | 19.6 |
| 93140 2000 $SC_{72}$ | 15.7 | X | 175.15569 | 329.59226 | 102.56145 | 4.57510 | 0.1898576 | 0.23042454 | 2.6350178 | 20 | 5 30.4 | 20.2 |
| 93141 2000 $SY_{72}$ | 16.0 | X | 260.96264 | 359.38820 | 73.86138 | 2.81549 | 0.1930664 | 0.24237332 | 2.5476876 | 20 | 8 27.7 | 19.3 |
| 93142 2000 $SE_{73}$ | 16.0 | X | 345.39349 | 242.34737 | 173.36256 | 7.69663 | 0.1164891 | 0.25300171 | 2.4758277 | 20 | — | — |
| 93143 2000 $SE_{75}$ | 15.9 | X | 287.43136 | 225.47093 | 126.29000 | 4.18983 | 0.1901197 | 0.23808264 | 2.5782057 | 20 | 6 11.2 | 19.0 |
| 93144 2000 $SM_{78}$ | 15.9 | X | 284.68831 | 105.96693 | 161.62388 | 2.87900 | 0.0774613 | 0.22772808 | 2.6557774 | 20 | 3 3.9 | 19.3 |
| 93145 2000 $SS_{78}$ | 16.2 | X | 296.35650 | 193.28870 | 182.84017 | 0.48710 | 0.1394457 | 0.24250534 | 2.5467629 | 20 | 8 8.5 | 19.1 |
| 93146 2000 $SU_{78}$ | 15.9 | X | 197.10211 | 125.85954 | 345.31444 | 3.60609 | 0.1938199 | 0.23924301 | 2.5698624 | 20 | 8 7.5 | 20.1 |
| 93147 2000 $SA_{80}$ | 15.6 | X | 109.14948 | 331.67923 | 164.82332 | 3.86896 | 0.1019406 | 0.23218364 | 2.6216918 | 20 | 6 9.1 | 19.4 |
| 93148 2000 $SC_{80}$ | 15.4 | X | 41.55119 | 141.55858 | 27.44943 | 4.63289 | 0.0603309 | 0.22844126 | 2.6502470 | 20 | 4 13.3 | 18.5 |
| 93149 2000 $SM_{80}$ | 16.3 | X | 336.67698 | 209.98063 | 138.26831 | 3.73881 | 0.1662656 | 0.24500081 | 2.5294399 | 20 | 9 16.4 | 18.5 |
| 93150 2000 $SC_{81}$ | 15.2 | X | 209.46002 | 349.20977 | 128.38615 | 3.38199 | 0.0278743 | 0.24361867 | 2.5389979 | 20 | 9 13.8 | 18.5 |
| 93151 2000 $SD_{82}$ | 15.6 | X | 7.32947 | 109.79325 | 168.85496 | 12.37341 | 0.1799476 | 0.24080342 | 2.5587486 | 20 | 8 1.5 | 18.1 |
| 93152 2000 $ST_{83}$ | 15.1 | X | 181.71093 | 48.54016 | 95.35456 | 1.23060 | 0.1372651 | 0.24230311 | 2.5481797 | 20 | 9 6.5 | 19.1 |
| 93153 2000 $SF_{84}$ | 15.2 | X | 167.25374 | 291.00093 | 125.21419 | 1.56893 | 0.1081240 | 0.22863552 | 2.6487456 | 20 | 4 30.9 | 19.3 |
| 93154 2000 $SK_{84}$ | 15.5 | X | 121.80251 | 11.55361 | 65.11510 | 2.73512 | 0.1855551 | 0.22394278 | 2.6856207 | 20 | 4 16.9 | 19.5 |
| 93155 2000 $SX_{84}$ | 15.8 | X | 261.09807 | 25.75420 | 29.54526 | 6.09585 | 0.2265595 | 0.24001665 | 2.5643372 | 20 | 7 29.6 | 19.5 |
| 93156 2000 $SB_{85}$ | 14.9 | X | 256.99073 | 338.29447 | 161.15477 | 4.76620 | 0.0724507 | 0.25218996 | 2.4811376 | 20 | 12 10.5 | 17.9 |
| 93157 2000 $SD_{85}$ | 14.8 | X | 225.80969 | 314.81853 | 107.08360 | 5.12725 | 0.1868432 | 0.23565275 | 2.5958985 | 20 | 7 2.0 | 18.7 |
| 93158 2000 $SK_{85}$ | 15.4 | X | 351.25963 | 345.75304 | 102.31311 | 5.75880 | 0.1630523 | 0.25672684 | 2.4518197 | 20 | — | — |
| 93159 2000 $SZ_{86}$ | 15.2 | X | 19.10868 | 34.88404 | 68.65560 | 7.68145 | 0.1532620 | 0.26229606 | 2.4169901 | 20 | — | — |
| 93160 2000 $SU_{87}$ | 16.4 | X | 274.79077 | 210.07976 | 145.51148 | 6.69397 | 0.2485886 | 0.23660697 | 2.5889144 | 20 | 5 23.1 | 20.1 |
| 93161 2000 $SX_{87}$ | 15.4 | X | 248.74717 | 337.00773 | 47.36255 | 13.14552 | 0.0935310 | 0.23499205 | 2.6007619 | 20 | 6 17.4 | 19.2 |
| 93162 2000 $SJ_{88}$ | 14.4 | X | 151.06625 | 32.30058 | 52.68239 | 14.10980 | 0.1380925 | 0.22787110 | 2.6546659 | 20 | 5 21.1 | 18.4 |
| 93163 2000 $SC_{89}$ | 15.1 | X | 284.73283 | 123.00147 | 242.82149 | 14.03341 | 0.1443682 | 0.23840271 | 2.5758976 | 20 | 7 2.2 | 18.4 |
| 93164 2000 $SR_{89}$ | 15.6 | X | 139.96992 | 301.44282 | 219.53271 | 1.76107 | 0.0955155 | 0.24105437 | 2.5569724 | 20 | 8 14.9 | 19.4 |
| 93165 2000 $SE_{93}$ | 15.0 | X | 17.15154 | 196.05349 | 310.61578 | 12.73023 | 0.1575868 | 0.22248424 | 2.6973453 | 20 | 2 3.5 | 17.6 |
| 93166 2000 $SF_{95}$ | 15.4 | X | 352.89627 | 272.22139 | 211.39210 | 9.68791 | 0.2193942 | 0.26312309 | 2.4119228 | 20 | — | — |
| 93167 2000 $SS_{95}$ | 15.9 | X | 184.74694 | 37.72795 | 224.25016 | 6.02681 | 0.1176658 | 0.26398255 | 2.4066849 | 20 | — | — |
| 93168 2000 $SZ_{96}$ | 15.8 | X | 278.74377 | 276.22766 | 260.17503 | 6.88696 | 0.1456688 | 0.26324850 | 2.4111567 | 20 | — | — |
| 93169 2000 $SC_{98}$ | 16.1 | X | 298.96101 | 130.57315 | 231.29785 | 3.25330 | 0.1788456 | 0.24142995 | 2.5543199 | 20 | 7 15.6 | 18.9 |
| 93170 2000 $SS_{98}$ | 15.3 | X | 8.29911 | 186.47433 | 306.25664 | 3.25608 | 0.0851582 | 0.26791817 | 2.3830579 | 20 | — | — |
| 93171 2000 $SJ_{99}$ | 15.6 | X | 332.83661 | 94.43460 | 200.00955 | 13.66654 | 0.0966877 | 0.23776954 | 2.5804686 | 20 | 6 17.3 | 18.8 |
| 93172 2000 $SQ_{100}$ | 15.9 | X | 214.98947 | 29.87621 | 304.77353 | 10.65038 | 0.1600744 | 0.22533491 | 2.6745480 | 20 | 3 2.6 | 20.3 |
| 93173 2000 $SQ_{101}$ | 16.3 | X | 358.42661 | 115.12035 | 337.26662 | 7.47476 | 0.1767298 | 0.25974756 | 2.4327738 | 20 | — | — |
| 93174 2000 $SY_{101}$ | 14.8 | X | 60.17644 | 160.56586 | 358.34277 | 14.64404 | 0.0338210 | 0.22965277 | 2.6409180 | 20 | 4 18.2 | 18.4 |
| 93175 2000 $SL_{102}$ | 15.8 | X | 253.28738 | 44.10685 | 345.40656 | 2.52677 | 0.0758479 | 0.23792171 | 2.5793681 | 20 | 7 4.7 | 19.2 |
| 93176 2000 $SA_{103}$ | 15.8 | X | 114.07814 | 73.63004 | 193.59292 | 7.82682 | 0.1228265 | 0.25408231 | 2.4688030 | 20 | 12 5.6 | 19.7 |
| 93177 2000 $SP_{103}$ | 15.7 | X | 67.45323 | 167.76626 | 211.67973 | 3.32335 | 0.1969777 | 0.26076119 | 2.4264653 | 20 | — | — |
| 93178 2000 $SW_{103}$ | 15.5 | X | 7.29551 | 154.94108 | 354.49789 | 6.62882 | 0.0688693 | 0.26995646 | 2.3710474 | 20 | 1 18.9 | 18.2 |
| 93179 2000 $SH_{104}$ | 15.5 | X | 135.05122 | 103.63050 | 0.14105 | 4.61127 | 0.0372512 | 0.23140158 | 2.6275954 | 20 | 5 18.9 | 19.2 |
| 93180 2000 $SS_{104}$ | 16.0 | X | 199.13735 | 199.83225 | 191.50712 | 11.81375 | 0.1689156 | 0.23020347 | 2.6367045 | 20 | 5 1.9 | 20.3 |
| 93181 2000 $ST_{104}$ | 15.6 | X | 192.96247 | 67.93695 | 9.69767 | 13.47344 | 0.1676799 | 0.23388833 | 2.6089375 | 20 | 6 21.8 | 20.1 |
| 93182 2000 $SB_{105}$ | 14.8 | X | 60.43044 | 89.06577 | 145.09004 | 3.59700 | 0.1298326 | 0.23980106 | 2.5658739 | 20 | 8 22.6 | 18.0 |
| 93183 2000 $SC_{106}$ | 15.9 | X | 178.52969 | 183.49916 | 207.77707 | 3.43731 | 0.1001650 | 0.22761842 | 2.6566303 | 20 | 4 10.0 | 20.0 |
| 93184 2000 $SV_{107}$ | 16.5 | X | 352.42142 | 135.10001 | 194.65297 | 12.21883 | 0.1794161 | 0.24527551 | 2.5275510 | 20 | 9 20.2 | 18.7 |
| 93185 2000 $SH_{108}$ | 15.5 | X | 339.17293 | 92.57536 | 179.94276 | 1.63851 | 0.0603214 | 0.23444138 | 2.6048329 | 20 | 5 30.3 | 18.7 |
| 93186 2000 $SR_{108}$ | 15.4 | X | 263.08157 | 14.05587 | 21.41880 | 2.02484 | 0.1739470 | 0.23881552 | 2.5729283 | 20 | 7 11.0 | 18.7 |
| 93187 2000 $SV_{109}$ | 14.9 | X | 328.88736 | 190.42819 | 10.30107 | 13.73714 | 0.0767623 | 0.22194363 | 2.7017237 | 20 | 2 11.9 | 18.6 |
| 93188 2000 $SF_{110}$ | 16.2 | X | 345.89652 | 327.15986 | 3.52980 | 2.68984 | 0.2581344 | 0.24508583 | 2.5288549 | 20 | 9 14.4 | 17.7 |
| 93189 2000 $SZ_{110}$ | 15.2 | X | 231.73083 | 335.67858 | 21.15867 | 9.81948 | 0.1675022 | 0.23106447 | 2.6301505 | 20 | 4 16.7 | 19.4 |
| 93190 2000 $SN_{111}$ | 15.4 | X | 68.76268 | 230.07325 | 24.83722 | 9.66442 | 0.0835760 | 0.24438185 | 2.5337091 | 20 | 9 26.9 | 18.8 |
| 93191 2000 $SO_{111}$ | 14.9 | X | 38.51775 | 37.35380 | 69.43462 | 2.26398 | 0.1403336 | 0.26632139 | 2.3925738 | 20 | 1 8.4 | 17.0 |
| 93192 2000 $SV_{111}$ | 16.1 | X | 274.73801 | 177.07258 | 194.15755 | 4.70239 | 0.1706971 | 0.23810610 | 2.5780363 | 20 | 6 23.0 | 19.5 |
| 93193 2000 $SC_{112}$ | 15.2 | X | 255.13551 | 285.22714 | 13.77970 | 8.68218 | 0.0919444 | 0.22660604 | 2.6645368 | 20 | 3 9.5 | 19.1 |
| 93194 2000 $SD_{112}$ | 15.2 | X | 281.66282 | 167.58671 | 356.25215 | 2.42756 | 0.1394726 | 0.25860887 | 2.4399098 | 20 | — | — |
| 93195 2000 $SV_{112}$ | 15.8 | X | 195.58390 | 213.06256 | 192.60594 | 9.28376 | 0.1430672 | 0.23072294 | 2.6327454 | 20 | 5 16.9 | 20.0 |
| 93196 2000 $SU_{113}$ | 16.0 | X | 93.19064 | 224.95323 | 133.90817 | 1.96334 | 0.2169321 | 0.26198052 | 2.4189305 | 20 | — | — |
| 93197 2000 $SO_{114}$ | 15.5 | X | 209.08181 | 219.20337 | 188.33303 | 14.17214 | 0.0881913 | 0.23289484 | 2.6163518 | 20 | 6 4.3 | 19.6 |
| 93198 2000 $ST_{114}$ | 15.1 | X | 257.98508 | 241.89777 | 190.96425 | 9.77045 | 0.0835545 | 0.24287084 | 2.5442071 | 20 | 9 6.1 | 18.5 |
| 93199 2000 $SF_{115}$ | 14.7 | X | 199.96843 | 52.01101 | 22.12763 | 12.53946 | 0.0956005 | 0.23452614 | 2.6042052 | 20 | 6 27.9 | 18.8 |
| 93200 2000 $SS_{115}$ | 15.4 | X | 223.81339 | 40.69426 | 22.48171 | 14.59028 | 0.1620655 | 0.23581586 | 2.5947013 | 20 | 7 5.4 | 19.7 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93201 2000 $SZ_{115}$ | 15.8 | X | 286.74459 | 299.57736 | 23.18512 | 13.88914 | 0.2396490 | 0.23571644 | 2.5954309 | 20 | 4 21.8 | 19.2 |
| 93202 2000 $SU_{116}$ | 15.6 | X | 267.33188 | 357.10944 | 49.62171 | 5.41375 | 0.2199079 | 0.23975653 | 2.5661916 | 20 | 7 26.3 | 19.0 |
| 93203 2000 $SN_{118}$ | 15.7 | X | 204.94584 | 237.24351 | 174.19863 | 5.37246 | 0.1907723 | 0.23185936 | 2.6241358 | 20 | 5 30.8 | 20.1 |
| 93204 2000 $SQ_{118}$ | 15.7 | X | 315.36913 | 291.07875 | 63.36184 | 2.88576 | 0.1850653 | 0.24175458 | 2.5520327 | 20 | 8 6.9 | 18.1 |
| 93205 2000 $ST_{119}$ | 16.0 | X | 333.00583 | 209.10150 | 162.28927 | 4.99462 | 0.1698999 | 0.24585713 | 2.5235631 | 20 | 10 15.4 | 18.2 |
| 93206 2000 $SS_{122}$ | 16.0 | X | 195.58309 | 256.93511 | 110.46021 | 2.98164 | 0.1137974 | 0.22582520 | 2.6706754 | 20 | 3 30.5 | 20.2 |
| 93207 2000 $SY_{122}$ | 15.7 | X | 223.85867 | 203.91381 | 161.80431 | 3.62154 | 0.0868480 | 0.22931938 | 2.6434771 | 20 | 4 27.6 | 19.6 |
| 93208 2000 $SQ_{123}$ | 15.3 | X | 126.67465 | 267.91320 | 131.95231 | 5.15078 | 0.1079213 | 0.21957809 | 2.7210930 | 20 | 2 27.6 | 19.2 |
| 93209 2000 $SL_{125}$ | 15.7 | X | 37.24640 | 192.90082 | 154.77711 | 7.35248 | 0.1570411 | 0.25169365 | 2.4843982 | 20 | 12 27.0 | 19.1 |
| 93210 2000 $SS_{126}$ | 15.6 | X | 160.54946 | 155.29797 | 204.15381 | 5.22982 | 0.0339557 | 0.22067720 | 2.7120503 | 20 | 2 5.4 | 19.5 |
| 93211 2000 $SU_{126}$ | 15.6 | X | 166.21212 | 180.77109 | 191.28069 | 5.84119 | 0.0284913 | 0.22316511 | 2.6918561 | 20 | 2 27.5 | 19.4 |
| 93212 2000 $SA_{127}$ | 15.3 | X | 58.83700 | 302.18354 | 167.79540 | 9.80673 | 0.2152009 | 0.21613056 | 2.7499530 | 20 | 3 12.2 | 18.0 |
| 93213 2000 $SA_{128}$ | 13.5 | X | 16.41896 | 146.93293 | 40.78218 | 19.07508 | 0.1562159 | 0.17356092 | 3.1829862 | 20 | 4 12.4 | 17.2 |
| 93214 2000 $SB_{128}$ | 15.4 | X | 355.03009 | 47.79818 | 52.51227 | 8.66282 | 0.0877389 | 0.25925819 | 2.4358342 | 20 | — | — |
| 93215 2000 $SL_{128}$ | 15.4 | X | 292.85654 | 142.77453 | 166.32423 | 5.67135 | 0.1915567 | 0.23332591 | 2.6131283 | 20 | 4 22.1 | 18.7 |
| 93216 2000 $ST_{128}$ | 15.5 | X | 140.65426 | 208.03252 | 198.99895 | 8.41872 | 0.0664572 | 0.22405286 | 2.6847409 | 20 | 3 15.9 | 19.3 |
| 93217 2000 $SR_{130}$ | 15.4 | X | 330.43984 | 47.38019 | 259.01222 | 11.04596 | 0.2119508 | 0.24183105 | 2.5514947 | 20 | 6 19.1 | 17.6 |
| 93218 2000 $SJ_{131}$ | 15.0 | X | 164.95406 | 182.77520 | 257.95478 | 11.71845 | 0.1310220 | 0.23271767 | 2.6176795 | 20 | 5 29.9 | 19.2 |
| 93219 2000 $SG_{133}$ | 15.2 | X | 119.88534 | 260.59967 | 247.77886 | 11.16987 | 0.0924413 | 0.23692022 | 2.5866319 | 20 | 7 4.9 | 19.0 |
| 93220 2000 $SA_{135}$ | 15.4 | X | 255.22497 | 60.69666 | 218.61146 | 11.76140 | 0.1498450 | 0.22634137 | 2.6666136 | 20 | 2 2.7 | 19.8 |
| 93221 2000 $SE_{140}$ | 14.2 | X | 279.85366 | 197.64818 | 4.50080 | 17.23272 | 0.2122671 | 0.21541717 | 2.7560209 | 20 | — | — |
| 93222 2000 $SL_{140}$ | 15.1 | X | 255.43645 | 132.80867 | 306.12554 | 2.99208 | 0.2097736 | 0.24219935 | 2.5489075 | 20 | 8 23.4 | 18.5 |
| 93223 2000 $SC_{141}$ | 15.2 | X | 202.81886 | 199.29084 | 226.36154 | 7.53588 | 0.0973611 | 0.23426797 | 2.6061182 | 20 | 6 19.3 | 19.2 |
| 93224 2000 $SR_{141}$ | 16.2 | X | 26.13719 | 150.47967 | 222.12377 | 5.70364 | 0.1538898 | 0.25388650 | 2.4700722 | 20 | — | — |
| 93225 2000 $SE_{142}$ | 14.7 | X | 166.32497 | 180.97164 | 244.90277 | 10.95602 | 0.1572356 | 0.22823978 | 2.6518064 | 20 | 5 12.9 | 18.9 |
| 93226 2000 $SJ_{142}$ | 15.4 | X | 273.58848 | 183.81324 | 215.76557 | 8.46748 | 0.1576580 | 0.24053016 | 2.5606862 | 20 | 7 30.5 | 18.7 |
| 93227 2000 $SU_{142}$ | 15.2 | X | 318.40595 | 70.83428 | 237.66874 | 12.77667 | 0.2021174 | 0.23732838 | 2.5836654 | 20 | 5 29.0 | 17.9 |
| 93228 2000 $SH_{144}$ | 15.1 | X | 279.64318 | 209.83358 | 217.53190 | 4.40086 | 0.0296890 | 0.24630687 | 2.5204903 | 20 | 10 9.3 | 18.1 |
| 93229 2000 $SJ_{144}$ | 15.2 | X | 194.87539 | 181.65613 | 316.29859 | 2.20534 | 0.0903767 | 0.24335345 | 2.5408423 | 20 | 9 14.6 | 18.9 |
| 93230 2000 $SW_{144}$ | 15.7 | X | 217.46118 | 141.71325 | 267.88236 | 2.09122 | 0.0770235 | 0.23455944 | 2.6039588 | 20 | 6 16.5 | 19.4 |
| 93231 2000 $SK_{146}$ | 15.8 | X | 221.07705 | 221.10613 | 220.96394 | 3.96106 | 0.2520189 | 0.23640376 | 2.5903978 | 20 | 7 17.2 | 20.2 |
| 93232 2000 $SE_{147}$ | 15.4 | X | 223.95935 | 142.90221 | 207.75471 | 3.00689 | 0.0990918 | 0.22855339 | 2.6493801 | 20 | 4 6.1 | 19.3 |
| 93233 2000 $SN_{147}$ | 15.6 | X | 173.74210 | 337.75367 | 9.56579 | 2.37541 | 0.0835546 | 0.22069182 | 2.7119305 | 20 | 2 11.5 | 19.5 |
| 93234 2000 $SS_{147}$ | 16.0 | X | 294.43748 | 5.80288 | 0.85163 | 2.50185 | 0.0690132 | 0.23951594 | 2.5679098 | 20 | 8 2.6 | 19.0 |
| 93235 2000 $SE_{148}$ | 15.6 | X | 33.65107 | 333.20336 | 4.26636 | 4.64072 | 0.2422985 | 0.25176576 | 2.4839238 | 20 | 12 21.6 | 19.0 |
| 93236 2000 $SR_{149}$ | 15.4 | X | 132.98314 | 207.00642 | 200.22426 | 1.77980 | 0.2191778 | 0.22145119 | 2.7057274 | 20 | 3 24.9 | 19.6 |
| 93237 2000 $SX_{149}$ | 15.3 | X | 44.71114 | 77.74321 | 22.77692 | 2.48224 | 0.1482147 | 0.26552143 | 2.3973769 | 20 | 1 12.3 | 17.3 |
| 93238 2000 $SH_{150}$ | 15.7 | X | 32.76898 | 109.55145 | 2.38375 | 2.08845 | 0.1391168 | 0.26537716 | 2.3982458 | 20 | 1 5.0 | 17.7 |
| 93239 2000 $SO_{150}$ | 14.6 | X | 42.70654 | 269.07874 | 209.44885 | 14.87671 | 0.2193048 | 0.21632351 | 2.7483175 | 20 | 2 15.5 | 17.5 |
| 93240 2000 $SB_{152}$ | 15.1 | X | 76.92299 | 239.08817 | 30.16996 | 14.76191 | 0.0759426 | 0.24640819 | 2.5197993 | 20 | 10 22.9 | 18.5 |
| 93241 2000 $SO_{152}$ | 15.5 | X | 191.89909 | 60.77207 | 22.27285 | 25.94659 | 0.1805192 | 0.23290657 | 2.6162639 | 20 | 6 26.6 | 20.3 |
| 93242 2000 $SF_{153}$ | 15.1 | X | 245.31170 | 188.28300 | 196.25525 | 2.62793 | 0.0752756 | 0.23438783 | 2.6052296 | 20 | 6 17.1 | 18.7 |
| 93243 2000 $SA_{154}$ | 15.5 | X | 306.62128 | 327.48665 | 27.59969 | 13.85885 | 0.2139310 | 0.24037607 | 2.5617804 | 20 | 7 18.5 | 18.5 |
| 93244 2000 $SE_{154}$ | 14.9 | X | 75.87739 | 156.76642 | 90.47612 | 1.20030 | 0.1016544 | 0.24262990 | 2.5458912 | 20 | 9 26.1 | 18.4 |
| 93245 2000 $SH_{155}$ | 15.3 | X | 270.37643 | 188.98354 | 196.85442 | 13.57227 | 0.1572879 | 0.23728940 | 2.5839483 | 20 | 7 7.4 | 19.1 |
| 93246 2000 $SR_{156}$ | 14.8 | X | 287.41301 | 213.25296 | 86.87749 | 3.93689 | 0.0816652 | 0.22911927 | 2.6450160 | 20 | 4 20.0 | 18.4 |
| 93247 2000 $ST_{156}$ | 14.8 | X | 52.02284 | 106.46457 | 48.16011 | 22.48174 | 0.0519403 | 0.22360955 | 2.6882882 | 20 | 4 16.4 | 18.4 |
| 93248 2000 $SD_{157}$ | 15.0 | X | 351.60178 | 31.84483 | 279.07026 | 13.20640 | 0.1680943 | 0.24199385 | 2.5503503 | 20 | 8 13.1 | 17.6 |
| 93249 2000 $SL_{157}$ | 15.4 | X | 284.03960 | 230.18653 | 3.41106 | 9.56630 | 0.1373707 | 0.22296293 | 2.6934832 | 20 | 1 15.9 | 19.5 |
| 93250 2000 $SP_{157}$ | 14.9 | X | 205.01695 | 214.79440 | 323.56210 | 5.29771 | 0.1527876 | 0.25251074 | 2.4790359 | 20 | 11 10.7 | 18.6 |
| 93251 2000 $SZ_{157}$ | 15.3 | X | 19.80506 | 38.93244 | 276.83431 | 12.14838 | 0.1947865 | 0.24715679 | 2.5147087 | 20 | 10 21.2 | 18.4 |
| 93252 2000 $SS_{160}$ | 14.8 | X | 259.14219 | 337.29866 | 65.43833 | 14.10587 | 0.1299905 | 0.23205654 | 2.6226490 | 20 | 7 24.1 | 18.6 |
| 93253 2000 $SB_{161}$ | 14.2 | X | 220.74167 | 56.11601 | 65.24454 | 16.18388 | 0.1038533 | 0.23583312 | 2.5945747 | 20 | 9 30.8 | 18.2 |
| 93254 2000 $SF_{161}$ | 13.7 | X | 209.49784 | 8.89866 | 84.54141 | 15.54113 | 0.1759950 | 0.17949392 | 3.1124536 | 20 | 7 26.1 | 18.9 |
| 93255 2000 $SC_{163}$ | 15.7 | X | 178.93257 | 91.13864 | 5.46269 | 13.41537 | 0.0975248 | 0.23383260 | 2.6093520 | 20 | 7 6.3 | 19.9 |
| 93256 Stach | 15.3 | X | 120.88111 | 29.69683 | 352.20867 | 4.30764 | 0.1130915 | 0.21637628 | 2.7478706 | 20 | 1 30.9 | 19.2 |
| 93257 2000 $SQ_{165}$ | 15.5 | X | 145.26136 | 218.88943 | 244.03610 | 11.14662 | 0.1176222 | 0.23156684 | 2.6263452 | 20 | 6 6.9 | 19.5 |
| 93258 2000 $SX_{165}$ | 15.6 | X | 251.96022 | 169.68560 | 278.49065 | 8.03245 | 0.1206572 | 0.24394316 | 2.5367458 | 20 | 9 10.4 | 19.0 |
| 93259 2000 $SD_{166}$ | 15.8 | X | 12.78041 | 311.66958 | 336.15063 | 9.63447 | 0.1163082 | 0.24216107 | 2.5491760 | 20 | 8 22.5 | 18.4 |
| 93260 2000 $SB_{168}$ | 15.2 | X | 79.11451 | 195.96869 | 241.71424 | 9.24073 | 0.1592545 | 0.21778546 | 2.7360044 | 20 | 2 17.1 | 18.8 |
| 93261 2000 $SN_{168}$ | 15.5 | X | 74.32521 | 29.06904 | 292.20433 | 5.46600 | 0.1426860 | 0.25464894 | 2.4651393 | 20 | — | — |
| 93262 2000 $SR_{168}$ | 14.2 | X | 136.76028 | 184.76005 | 0.35593 | 12.71515 | 0.1782864 | 0.24136381 | 2.5547865 | 20 | 9 16.6 | 18.4 |
| 93263 2000 $ST_{170}$ | 14.9 | X | 172.58537 | 284.48786 | 26.76383 | 6.98807 | 0.1254925 | 0.21523076 | 2.7576120 | 20 | 1 1.2 | 19.3 |
| 93264 2000 $SP_{171}$ | 15.1 | X | 250.31652 | 272.19457 | 300.67239 | 7.48602 | 0.0881084 | 0.21208417 | 2.7848205 | 20 | — | — |
| 93265 2000 $SV_{171}$ | 14.7 | X | 208.87378 | 336.33445 | 111.36197 | 14.84887 | 0.2002843 | 0.23376773 | 2.6098347 | 20 | 7 17.9 | 19.0 |
| 93266 2000 $SW_{171}$ | 15.3 | X | 252.57084 | 251.15328 | 102.58450 | 12.81114 | 0.2614619 | 0.23182682 | 2.6243813 | 20 | 4 30.5 | 19.8 |
| 93267 2000 $SS_{173}$ | 15.1 | X | 2.40420 | 317.02285 | 289.19085 | 12.09766 | 0.1260607 | 0.23493945 | 2.6011501 | 20 | 5 29.4 | 18.0 |
| 93268 2000 $SX_{173}$ | 15.2 | X | 298.11058 | 6.81954 | 277.26917 | 11.25007 | 0.1658267 | 0.23226388 | 2.6210880 | 20 | 3 22.5 | 18.9 |
| 93269 2000 $SL_{175}$ | 14.8 | X | 184.30971 | 37.75008 | 237.83467 | 11.58926 | 0.0435379 | 0.21153166 | 2.7896677 | 20 | — | — |
| 93270 2000 $SQ_{175}$ | 14.7 | X | 53.31207 | 187.01972 | 275.42799 | 7.75253 | 0.0975816 | 0.21707759 | 2.7419491 | 20 | 2 4.1 | 18.0 |
| 93271 2000 $SS_{175}$ | 14.8 | X | 210.15997 | 140.83021 | 355.61174 | 13.44242 | 0.1382474 | 0.24289543 | 2.5440354 | 20 | 9 24.6 | 18.6 |
| 93272 2000 $ST_{176}$ | 14.9 | X | 55.72475 | 312.99334 | 349.34064 | 9.77011 | 0.1000125 | 0.24790598 | 2.5096397 | 20 | 11 8.7 | 18.4 |
| 93273 2000 $SE_{177}$ | 14.8 | X | 85.33149 | 213.73073 | 231.27725 | 11.10771 | 0.1854809 | 0.21816427 | 2.7328364 | 20 | 3 10.4 | 18.6 |
| 93274 2000 $SC_{178}$ | 14.8 | X | 8.45022 | 268.30317 | 9.87745 | 12.51512 | 0.1843328 | 0.23843023 | 2.5756993 | 20 | 8 12.2 | 17.4 |
| 93275 2000 $SO_{178}$ | 15.7 | X | 257.08968 | 29.51831 | 14.86658 | 16.07938 | 0.1458135 | 0.23732973 | 2.5836556 | 20 | 7 25.0 | 19.6 |
| 93276 2000 $ST_{178}$ | 15.6 | X | 176.86249 | 44.06393 | 350.89926 | 5.92163 | 0.0651215 | 0.22542778 | 2.6738134 | 20 | 4 10.5 | 19.6 |
| 93277 2000 $SJ_{179}$ | 15.2 | X | 246.22382 | 179.40742 | 226.86471 | 12.90996 | 0.1511041 | 0.23588122 | 2.5942220 | 20 | 7 5.2 | 19.2 |
| 93278 2000 $SS_{181}$ | 15.6 | X | 26.08099 | 315.87254 | 51.81816 | 11.74086 | 0.2542166 | 0.25479043 | 2.4642266 | 20 | — | — |
| 93279 2000 $SU_{181}$ | 15.3 | X | 218.56043 | 255.91349 | 53.25906 | 9.60804 | 0.2324658 | 0.27665645 | 2.3326103 | 20 | 2 5.9 | 19.4 |
| 93280 2000 $SW_{186}$ | 16.0 | X | 278.38903 | 169.90296 | 307.58206 | 12.58945 | 0.1556144 | 0.25236072 | 2.4800182 | 20 | 12 1.3 | 18.8 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93281 2000 $SJ_{187}$ | 16.4 | X | 259.40221 | 10.48071 | 43.85754 | 2.79878 | 0.1598084 | 0.24058610 | 2.5602892 | 20 | 8 4.2 | 19.8 |
| 93282 2000 $SK_{187}$ | 15.9 | X | 250.89685 | 305.20736 | 154.42004 | 3.52754 | 0.1212268 | 0.24575843 | 2.5242388 | 20 | 9 30.5 | 19.0 |
| 93283 2000 $SP_{188}$ | 15.0 | X | 95.10856 | 300.78439 | 192.71061 | 12.52568 | 0.1351953 | 0.22603959 | 2.6689865 | 20 | 5 24.4 | 18.8 |
| 93284 2000 $SY_{188}$ | 16.2 | X | 30.23626 | 78.14472 | 198.31862 | 9.09862 | 0.1880945 | 0.24481610 | 2.5307120 | 20 | 9 14.1 | 19.1 |
| 93285 2000 $SQ_{189}$ | 15.2 | X | 279.70921 | 175.37976 | 332.61068 | 10.64623 | 0.1672902 | 0.25570183 | 2.4583676 | 20 | — | — |
| 93286 2000 $SV_{191}$ | 15.4 | X | 12.69288 | 359.48915 | 214.99249 | 3.69236 | 0.0712587 | 0.23226614 | 2.6210709 | 20 | 5 1.6 | 18.2 |
| 93287 2000 $SG_{194}$ | 16.2 | X | 208.93758 | 194.26361 | 235.71661 | 1.67255 | 0.1218050 | 0.23740689 | 2.5830957 | 20 | 6 30.3 | 19.9 |
| 93288 2000 $SA_{196}$ | 15.2 | X | 181.79902 | 306.79172 | 166.53751 | 22.18393 | 0.0706930 | 0.23990914 | 2.5651032 | 20 | 7 28.6 | 19.3 |
| 93289 2000 $SC_{196}$ | 15.3 | X | 212.48742 | 298.42499 | 159.03036 | 13.89557 | 0.1256730 | 0.24099623 | 2.5573836 | 20 | 8 8.1 | 19.3 |
| 93290 2000 $SP_{196}$ | 15.4 | X | 269.47671 | 106.09041 | 158.14630 | 15.11740 | 0.0816247 | 0.22561440 | 2.6723387 | 20 | 2 9.1 | 19.4 |
| 93291 2000 $SV_{196}$ | 15.7 | X | 120.29707 | 189.54449 | 352.16556 | 5.02103 | 0.0939453 | 0.24218311 | 2.5490214 | 20 | 8 22.2 | 19.3 |
| 93292 2000 $SD_{198}$ | 15.8 | X | 349.94776 | 301.96353 | 16.92737 | 2.58726 | 0.0514903 | 0.24342520 | 2.5403430 | 20 | 8 24.6 | 18.7 |
| 93293 2000 $SM_{199}$ | 15.6 | X | 58.10220 | 281.29207 | 176.76736 | 4.85226 | 0.0772023 | 0.21979168 | 2.7193299 | 20 | 2 4.5 | 18.9 |
| 93294 2000 $SY_{199}$ | 15.7 | X | 174.78891 | 272.13102 | 203.72407 | 3.56586 | 0.1214861 | 0.23703017 | 2.5858320 | 20 | 7 23.7 | 19.7 |
| 93295 2000 $SC_{201}$ | 16.4 | X | 332.35911 | 302.11028 | 29.04724 | 0.90394 | 0.0710760 | 0.24285836 | 2.5442943 | 20 | 8 12.8 | 19.2 |
| 93296 2000 $SU_{202}$ | 16.2 | X | 199.75848 | 51.96247 | 18.99038 | 2.89448 | 0.1137596 | 0.23498233 | 2.6008336 | 20 | 6 22.3 | 20.1 |
| 93297 2000 $ST_{203}$ | 16.5 | X | 352.87942 | 292.23746 | 13.86562 | 7.44620 | 0.2484690 | 0.24399131 | 2.5364121 | 20 | 8 24.8 | 18.2 |
| 93298 2000 $SH_{205}$ | 16.1 | X | 271.37922 | 130.82978 | 187.42982 | 2.96649 | 0.1646691 | 0.23225193 | 2.6211779 | 20 | 4 10.2 | 19.9 |
| 93299 2000 $SC_{206}$ | 15.5 | X | 122.08276 | 19.86059 | 22.09805 | 9.74428 | 0.1187232 | 0.21952761 | 2.7215101 | 20 | 2 29.4 | 19.5 |
| 93300 2000 $SD_{206}$ | 15.1 | X | 115.77841 | 72.53562 | 22.69882 | 13.72013 | 0.1841157 | 0.22411152 | 2.6842725 | 20 | 4 30.6 | 19.3 |
| 93301 2000 $SE_{206}$ | 15.6 | X | 120.34543 | 37.94426 | 35.85502 | 2.92981 | 0.0169211 | 0.22411944 | 2.6842092 | 20 | 3 21.4 | 19.3 |
| 93302 2000 $SJ_{206}$ | 14.9 | X | 27.17838 | 205.01496 | 36.03729 | 5.48704 | 0.1228507 | 0.23530843 | 2.5984302 | 20 | 7 9.8 | 17.9 |
| 93303 2000 $SM_{206}$ | 15.2 | X | 15.51196 | 51.00970 | 186.52354 | 4.80217 | 0.1220932 | 0.23307564 | 2.6149986 | 20 | 6 12.0 | 18.0 |
| 93304 2000 $SV_{206}$ | 15.6 | X | 267.41963 | 78.31889 | 10.21780 | 3.47356 | 0.1580136 | 0.24451572 | 2.5327842 | 20 | 10 1.9 | 18.5 |
| 93305 2000 $SK_{208}$ | 15.7 | X | 276.36846 | 78.97606 | 206.67338 | 5.87995 | 0.0985366 | 0.22822295 | 2.6519368 | 20 | 3 12.2 | 19.3 |
| 93306 2000 $SE_{209}$ | 15.1 | X | 178.79813 | 46.06936 | 78.91849 | 8.22645 | 0.1346168 | 0.23923508 | 2.5699192 | 20 | 8 12.2 | 19.2 |
| 93307 2000 $SV_{209}$ | 15.2 | X | 225.75731 | 325.37619 | 39.08399 | 15.68554 | 0.1756062 | 0.23142536 | 2.6274154 | 20 | 4 22.1 | 19.3 |
| 93308 2000 $SV_{211}$ | 15.0 | X | 30.18984 | 193.60695 | 55.40482 | 15.22666 | 0.0505663 | 0.23740964 | 2.5830758 | 20 | 7 19.1 | 18.5 |
| 93309 2000 $SB_{212}$ | 15.1 | X | 231.55571 | 31.58763 | 88.19494 | 9.54710 | 0.1954559 | 0.24410776 | 2.5356054 | 20 | 9 26.6 | 18.9 |
| 93310 2000 $SU_{212}$ | 14.9 | X | 108.66913 | 295.99351 | 132.06399 | 10.70382 | 0.1516764 | 0.22076989 | 2.7112911 | 20 | 3 21.3 | 18.8 |
| 93311 2000 $SN_{213}$ | 16.2 | X | 67.93320 | 252.21425 | 114.46227 | 6.09239 | 0.1260069 | 0.25979600 | 2.4324714 | 20 | — | — |
| 93312 2000 $SV_{215}$ | 15.8 | X | 137.57475 | 115.76863 | 16.16280 | 1.91172 | 0.0724931 | 0.23556505 | 2.5965427 | 20 | 7 3.8 | 19.4 |
| 93313 2000 $SY_{216}$ | 16.4 | X | 295.32722 | 223.98384 | 165.27633 | 12.79297 | 0.1661222 | 0.24226430 | 2.5484519 | 20 | 8 20.8 | 19.1 |
| 93314 2000 $SC_{217}$ | 13.6 | X | 153.42992 | 71.81489 | 42.10827 | 22.03769 | 0.1318324 | 0.23244699 | 2.6197113 | 20 | 6 29.2 | 18.1 |
| 93315 2000 $SF_{217}$ | 15.4 | X | 114.57553 | 300.70396 | 104.04143 | 6.55045 | 0.0709287 | 0.21910613 | 2.7249991 | 20 | 2 15.0 | 19.1 |
| 93316 2000 $SN_{217}$ | 15.5 | X | 35.33212 | 315.69087 | 128.79573 | 7.13217 | 0.1167065 | 0.26264217 | 2.4148662 | 20 | — | — |
| 93317 2000 $SQ_{217}$ | 14.8 | X | 193.05760 | 322.32118 | 129.45587 | 7.29474 | 0.2925443 | 0.23263291 | 2.6183154 | 20 | 7 5.8 | 19.6 |
| 93318 2000 $SQ_{218}$ | 15.6 | X | 249.15741 | 302.46128 | 87.77205 | 8.50814 | 0.2042736 | 0.23571411 | 2.5954480 | 20 | 6 13.2 | 19.4 |
| 93319 2000 $SL_{219}$ | 14.8 | X | 105.48571 | 26.84061 | 68.86594 | 14.12548 | 0.1325527 | 0.22291379 | 2.6938790 | 20 | 4 21.3 | 18.7 |
| 93320 2000 $SO_{219}$ | 15.5 | X | 209.44613 | 349.91674 | 63.32778 | 13.24420 | 0.1358407 | 0.23236556 | 2.6203233 | 20 | 6 7.3 | 19.6 |
| 93321 2000 $SA_{220}$ | 14.3 | X | 109.58236 | 160.50620 | 64.12872 | 14.62786 | 0.0967699 | 0.24320948 | 2.5418449 | 20 | 10 11.8 | 18.2 |
| 93322 2000 $SA_{221}$ | 15.0 | X | 9.57457 | 54.09443 | 92.48523 | 13.01387 | 0.0705042 | 0.21698801 | 2.7427037 | 20 | 1 28.9 | 18.5 |
| 93323 2000 $SL_{221}$ | 15.4 | X | 282.48765 | 253.32518 | 84.89823 | 11.15327 | 0.1513194 | 0.23441648 | 2.6050174 | 20 | 5 23.9 | 18.8 |
| 93324 2000 $SG_{225}$ | 16.3 | X | 189.38193 | 260.89585 | 176.66223 | 2.40034 | 0.1891469 | 0.23249324 | 2.6193638 | 20 | 6 18.1 | 20.7 |
| 93325 2000 $SB_{226}$ | 15.5 | X | 330.16341 | 263.33588 | 62.66860 | 13.88300 | 0.2931243 | 0.24119311 | 2.5559918 | 20 | 7 12.6 | 17.4 |
| 93326 2000 $SE_{227}$ | 15.2 | X | 261.22412 | 200.19443 | 184.87163 | 12.90587 | 0.1737619 | 0.23490840 | 2.6013793 | 20 | 6 23.6 | 19.1 |
| 93327 2000 $SA_{229}$ | 15.7 | X | 177.27823 | 356.43611 | 357.52563 | 1.77855 | 0.1082352 | 0.22192056 | 2.7019109 | 20 | 2 23.9 | 19.7 |
| 93328 2000 $SB_{229}$ | 15.6 | X | 245.71730 | 23.91445 | 18.26832 | 3.72084 | 0.1453604 | 0.23644572 | 2.5900913 | 20 | 7 2.6 | 19.3 |
| 93329 2000 $SJ_{230}$ | 15.4 | X | 22.43620 | 82.51313 | 15.83595 | 2.32550 | 0.0984960 | 0.21207728 | 2.7848809 | 20 | — | — |
| 93330 2000 $SP_{230}$ | 14.8 | X | 307.67812 | 266.92669 | 28.07794 | 14.69691 | 0.0893234 | 0.23173379 | 2.6250836 | 20 | 5 5.9 | 18.1 |
| 93331 2000 $SF_{231}$ | 15.8 | X | 95.24376 | 135.92053 | 282.83987 | 2.24653 | 0.1905515 | 0.21664854 | 2.7455680 | 20 | 2 23.5 | 19.3 |
| 93332 2000 $ST_{234}$ | 15.3 | X | 114.26172 | 258.24158 | 86.81731 | 5.79586 | 0.2470880 | 0.26709943 | 2.3879253 | 20 | — | — |
| 93333 2000 $SA_{235}$ | 16.8 | X | 125.81700 | 263.49912 | 26.03568 | 1.46460 | 0.1712902 | 0.26113589 | 2.4241436 | 20 | — | — |
| 93334 2000 $SC_{235}$ | 15.8 | X | 60.43619 | 299.81564 | 271.35684 | 1.59324 | 0.0541280 | 0.23883135 | 2.5728146 | 20 | 7 8.8 | 19.1 |
| 93335 2000 $SK_{235}$ | 16.5 | X | 251.60673 | 306.95337 | 115.07124 | 1.69281 | 0.1122386 | 0.24243489 | 2.5472563 | 20 | 8 11.1 | 19.7 |
| 93336 2000 $SF_{236}$ | 15.6 | X | 210.33410 | 299.47598 | 187.04817 | 12.90763 | 0.1167454 | 0.24385175 | 2.5373797 | 20 | 9 14.1 | 19.3 |
| 93337 2000 $SK_{236}$ | 15.5 | X | 66.56235 | 58.16491 | 141.82103 | 2.15752 | 0.0707750 | 0.23546076 | 2.5973094 | 20 | 7 4.3 | 18.7 |
| 93338 2000 $SJ_{237}$ | 16.1 | X | 282.26963 | 294.00097 | 51.61033 | 2.88460 | 0.2005913 | 0.23663272 | 2.5887266 | 20 | 5 24.0 | 19.4 |
| 93339 2000 $SM_{241}$ | 15.4 | X | 205.82155 | 337.08307 | 22.24497 | 7.22746 | 0.1423085 | 0.28213181 | 2.3023323 | 20 | 3 26.4 | 18.8 |
| 93340 2000 $SJ_{243}$ | 16.0 | X | 131.68426 | 13.94588 | 236.75415 | 1.63437 | 0.1703165 | 0.25731774 | 2.4480648 | 20 | 12 2.3 | 19.9 |
| 93341 2000 $SP_{244}$ | 15.5 | X | 272.61053 | 227.48136 | 65.98894 | 5.21315 | 0.1607131 | 0.23181920 | 2.6244388 | 20 | 3 14.0 | 19.3 |
| 93342 2000 $SR_{244}$ | 15.4 | X | 285.04533 | 319.65762 | 30.40449 | 9.15454 | 0.0865724 | 0.23915340 | 2.5705044 | 20 | 6 21.5 | 18.7 |
| 93343 2000 $SV_{245}$ | 15.7 | X | 293.33649 | 345.69652 | 154.48349 | 6.07178 | 0.0762750 | 0.26030601 | 2.4292931 | 20 | — | — |
| 93344 2000 $SY_{245}$ | 15.6 | X | 248.51209 | 36.94698 | 18.05105 | 14.70942 | 0.1872817 | 0.23994300 | 2.5648619 | 20 | 7 22.0 | 19.6 |
| 93345 2000 $SG_{246}$ | 15.3 | X | 338.19297 | 27.07918 | 129.69598 | 5.59496 | 0.1669686 | 0.26767472 | 2.3845027 | 20 | — | — |
| 93346 2000 $SO_{247}$ | 15.6 | X | 263.96410 | 319.99385 | 56.51735 | 4.84838 | 0.0216776 | 0.24021280 | 2.5629411 | 20 | 7 10.1 | 18.9 |
| 93347 2000 $SX_{247}$ | 15.6 | X | 277.32856 | 38.64768 | 99.11466 | 3.34877 | 0.1278129 | 0.25739113 | 2.4475993 | 20 | — | — |
| 93348 2000 $SP_{250}$ | 16.2 | X | 320.07426 | 224.41881 | 116.28717 | 4.68280 | 0.1882727 | 0.24235281 | 2.5478313 | 20 | 7 24.8 | 18.4 |
| 93349 2000 $SJ_{251}$ | 15.6 | X | 326.76356 | 173.46479 | 276.27508 | 1.64857 | 0.1612466 | 0.25513829 | 2.4619862 | 20 | — | — |
| 93350 2000 $SR_{252}$ | 15.6 | X | 276.67783 | 222.56876 | 128.06005 | 3.08012 | 0.0698228 | 0.23567438 | 2.5957397 | 20 | 6 13.5 | 18.9 |
| 93351 2000 $SX_{252}$ | 15.0 | X | 35.12276 | 15.31444 | 103.07981 | 6.01807 | 0.1127781 | 0.21751626 | 2.7382614 | 20 | 1 30.8 | 18.1 |
| 93352 2000 $SZ_{252}$ | 15.9 | X | 288.21317 | 215.84711 | 149.85297 | 4.49059 | 0.1508148 | 0.23909175 | 2.5709462 | 20 | 7 8.2 | 19.1 |
| 93353 2000 $SF_{253}$ | 15.8 | X | 126.92769 | 305.60473 | 136.54128 | 2.20800 | 0.0575860 | 0.22874422 | 2.6479064 | 20 | 4 14.8 | 19.4 |
| 93354 2000 $SL_{256}$ | 16.1 | X | 179.59229 | 336.26916 | 79.29580 | 3.65160 | 0.0899925 | 0.22997591 | 2.6384437 | 20 | 5 12.8 | 19.9 |
| 93355 2000 $SK_{257}$ | 15.8 | X | 184.17893 | 332.00653 | 139.15103 | 3.09822 | 0.1507697 | 0.23704856 | 2.5856982 | 20 | 7 27.1 | 19.9 |
| 93356 2000 $SM_{260}$ | 14.6 | X | 81.61390 | 154.64839 | 40.56382 | 22.85317 | 0.0421975 | 0.23426488 | 2.6061411 | 20 | 7 18.4 | 18.6 |
| 93357 2000 $SP_{261}$ | 15.6 | X | 150.93998 | 262.41436 | 123.00047 | 5.99545 | 0.0899677 | 0.22170104 | 2.7036942 | 20 | 3 6.4 | 19.5 |
| 93358 2000 $SS_{261}$ | 15.5 | X | 339.50978 | 303.93893 | 57.10262 | 6.01006 | 0.0481441 | 0.24444989 | 2.5332389 | 20 | 10 8.7 | 18.5 |
| 93359 2000 $SA_{262}$ | 14.8 | X | 275.19618 | 162.66900 | 41.53572 | 14.26509 | 0.1497172 | 0.21357604 | 2.7718371 | 20 | — | — |
| 93360 2000 $ST_{262}$ | 15.8 | X | 206.02929 | 291.36625 | 92.79074 | 4.52226 | 0.2878787 | 0.23034202 | 2.6356471 | 20 | 4 26.1 | 20.6 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93361 2000 $SY_{262}$ | 15.0 | X | 239.02640 | 338.36612 | 39.60051 | 14.26626 | 0.1056136 | 0.23406171 | 2.6076490 | 20 | 5 25.3 | 18.9 |
| 93362 2000 $SQ_{263}$ | 16.2 | X | 244.30217 | 71.71184 | 5.20001 | 13.78004 | 0.1064915 | 0.24258385 | 2.5462134 | 20 | 8 27.7 | 19.8 |
| 93363 2000 $SA_{264}$ | 16.1 | X | 38.71312 | 140.65285 | 155.18235 | 3.50087 | 0.0910470 | 0.24741490 | 2.5129595 | 20 | 10 12.0 | 19.1 |
| 93364 2000 $SU_{265}$ | 16.2 | X | 318.92732 | 216.12508 | 148.79622 | 7.15087 | 0.1509586 | 0.24342761 | 2.5403263 | 20 | 9 3.5 | 18.5 |
| 93365 2000 $SR_{266}$ | 15.9 | X | 183.06538 | 228.38667 | 172.96045 | 10.32980 | 0.1572068 | 0.22820152 | 2.6521028 | 20 | 4 30.6 | 20.3 |
| 93366 2000 $SJ_{267}$ | 15.8 | X | 64.07405 | 288.67325 | 345.81476 | 3.40967 | 0.0740005 | 0.24677552 | 2.5172982 | 20 | 10 12.3 | 19.1 |
| 93367 2000 $SK_{268}$ | 16.3 | X | 236.05793 | 312.26933 | 98.85681 | 2.74569 | 0.1768613 | 0.23572490 | 2.5953688 | 20 | 6 29.5 | 20.3 |
| 93368 2000 $SO_{268}$ | 14.4 | X | 92.90389 | 91.14865 | 50.83261 | 13.30946 | 0.1192436 | 0.22776612 | 2.6554816 | 20 | 5 27.6 | 18.1 |
| 93369 2000 $SQ_{268}$ | 15.8 | X | 182.55973 | 231.95142 | 149.59760 | 3.76961 | 0.1034490 | 0.22554951 | 2.6728513 | 20 | 4 3.7 | 19.8 |
| 93370 2000 $SY_{268}$ | 16.3 | X | 267.11867 | 242.71450 | 142.16703 | 4.75105 | 0.2510409 | 0.23748973 | 2.5824950 | 20 | 6 20.1 | 19.9 |
| 93371 2000 $SP_{269}$ | 15.6 | X | 226.52790 | 288.98918 | 96.78759 | 4.11548 | 0.1358611 | 0.23171611 | 2.6252172 | 20 | 5 22.0 | 19.5 |
| 93372 2000 $SV_{269}$ | 15.8 | X | 185.04538 | 231.10617 | 114.92151 | 5.11409 | 0.1173068 | 0.22130891 | 2.7068869 | 20 | 2 23.4 | 19.9 |
| 93373 2000 $SJ_{270}$ | 16.2 | X | 179.13061 | 271.48599 | 131.57000 | 3.38657 | 0.1516835 | 0.22739549 | 2.6583663 | 20 | 4 28.1 | 20.5 |
| 93374 2000 $SK_{270}$ | 15.1 | X | 286.40654 | 196.63650 | 65.61864 | 6.42970 | 0.1197424 | 0.22455847 | 2.6807095 | 20 | 2 25.9 | 18.9 |
| 93375 2000 $SY_{270}$ | 15.2 | X | 200.69566 | 181.27727 | 59.86172 | 8.74401 | 0.0964640 | 0.25928567 | 2.4356621 | 20 | — | — |
| 93376 2000 $SF_{271}$ | 15.0 | X | 2.42613 | 330.23503 | 184.89775 | 13.03964 | 0.1439652 | 0.21629729 | 2.7485396 | 20 | 1 19.2 | 18.4 |
| 93377 2000 $SO_{271}$ | 15.1 | X | 116.55774 | 12.61314 | 188.14901 | 13.05313 | 0.1113718 | 0.23972628 | 2.5664075 | 20 | 9 10.2 | 18.9 |
| 93378 2000 $SQ_{271}$ | 14.7 | X | 32.32517 | 186.92855 | 58.33048 | 13.36836 | 0.1127833 | 0.23565009 | 2.5959180 | 20 | 7 25.9 | 17.9 |
| 93379 2000 $SU_{275}$ | 14.9 | X | 151.31006 | 239.31164 | 210.81891 | 21.06626 | 0.0687449 | 0.22802897 | 2.6534406 | 20 | 5 25.2 | 18.9 |
| 93380 2000 $SA_{276}$ | 15.7 | X | 3.20514 | 152.89020 | 180.21072 | 2.16610 | 0.1500977 | 0.24548790 | 2.5260930 | 20 | 10 15.7 | 18.3 |
| 93381 2000 $SK_{276}$ | 15.4 | X | 6.17750 | 353.42416 | 261.98491 | 11.82678 | 0.1195922 | 0.23827264 | 2.5768349 | 20 | 6 20.6 | 17.9 |
| 93382 2000 $SB_{277}$ | 15.1 | X | 164.36195 | 170.36558 | 219.16422 | 13.29788 | 0.1699931 | 0.22340534 | 2.6899261 | 20 | 3 25.5 | 19.6 |
| 93383 2000 $SG_{277}$ | 15.9 | X | 286.55941 | 169.20102 | 212.54025 | 3.91886 | 0.2998119 | 0.23928938 | 2.5695304 | 20 | 7 2.9 | 19.0 |
| 93384 2000 $SY_{277}$ | 15.8 | X | 165.48811 | 112.45550 | 317.19448 | 1.62505 | 0.1092949 | 0.22797576 | 2.6538535 | 20 | 5 15.2 | 19.8 |
| 93385 2000 $SS_{278}$ | 15.2 | X | 218.85265 | 286.31675 | 35.42218 | 14.60137 | 0.1221329 | 0.22244727 | 2.6976441 | 20 | 3 3.3 | 19.6 |
| 93386 2000 $SH_{279}$ | 14.5 | X | 189.26120 | 46.48677 | 38.25640 | 13.25229 | 0.2200406 | 0.23049781 | 2.6344594 | 20 | 6 25.8 | 19.2 |
| 93387 2000 $SR_{279}$ | 14.8 | X | 88.96372 | 352.48944 | 74.19634 | 14.26334 | 0.1361352 | 0.21802780 | 2.7339767 | 20 | 2 24.4 | 18.6 |
| 93388 2000 $ST_{279}$ | 14.7 | X | 128.24877 | 329.12904 | 77.51963 | 13.61842 | 0.1139620 | 0.22137478 | 2.7063500 | 20 | 3 16.0 | 18.9 |
| 93389 2000 $SK_{280}$ | 15.1 | X | 292.16486 | 287.53209 | 341.14395 | 4.33414 | 0.0530583 | 0.22579446 | 2.6709178 | 20 | 3 17.8 | 18.7 |
| 93390 2000 $SC_{281}$ | 14.8 | X | 111.73593 | 4.45733 | 282.45494 | 12.88857 | 0.0309128 | 0.25842709 | 2.4410539 | 20 | 12 25.2 | 18.1 |
| 93391 2000 $SE_{282}$ | 15.7 | X | 310.42964 | 324.77177 | 306.14774 | 4.08912 | 0.1286576 | 0.23305088 | 2.6151838 | 20 | 4 1.3 | 18.9 |
| 93392 2000 $SX_{284}$ | 15.2 | X | 159.68630 | 181.40116 | 321.54229 | 9.06668 | 0.1473990 | 0.23882953 | 2.5728277 | 20 | 8 13.7 | 19.2 |
| 93393 2000 $SB_{285}$ | 15.3 | X | 254.76278 | 43.72478 | 211.53805 | 11.24862 | 0.1370533 | 0.22142197 | 2.7059654 | 20 | 1 8.2 | 19.7 |
| 93394 2000 $ST_{285}$ | 14.8 | X | 9.66824 | 175.21322 | 266.98302 | 5.66754 | 0.1107698 | 0.25882220 | 2.4385689 | 20 | — | — |
| 93395 2000 $SQ_{286}$ | 15.8 | X | 12.99828 | 204.70604 | 266.50495 | 5.64739 | 0.0417134 | 0.26842724 | 2.3800441 | 20 | — | — |
| 93396 2000 $SG_{287}$ | 15.1 | X | 249.41867 | 57.05319 | 269.81194 | 13.71490 | 0.1231001 | 0.22759855 | 2.6567849 | 20 | 3 25.6 | 19.4 |
| 93397 2000 $SH_{287}$ | 15.1 | X | 201.60858 | 62.82269 | 285.19964 | 10.72089 | 0.2138806 | 0.22462507 | 2.6801796 | 20 | 3 5.4 | 19.9 |
| 93398 2000 $SL_{287}$ | 14.2 | X | 144.46262 | 171.25807 | 336.15299 | 13.58885 | 0.1884268 | 0.23259703 | 2.6185845 | 20 | 8 8.4 | 18.6 |
| 93399 2000 $SC_{288}$ | 14.3 | X | 186.37028 | 113.69255 | 16.36448 | 14.05951 | 0.0878862 | 0.23575121 | 2.5951757 | 20 | 8 31.9 | 18.3 |
| 93400 2000 $SW_{288}$ | 15.7 | X | 248.56598 | 126.46398 | 220.60302 | 8.56567 | 0.1092158 | 0.23316924 | 2.6142987 | 20 | 4 27.6 | 19.5 |
| 93401 2000 $SE_{293}$ | 14.5 | X | 128.00647 | 137.07422 | 356.81538 | 13.20544 | 0.1175572 | 0.23018858 | 2.6368183 | 20 | 6 30.2 | 18.7 |
| 93402 2000 $SG_{293}$ | 14.8 | X | 337.94996 | 134.28170 | 15.16586 | 26.03569 | 0.1249724 | 0.26148306 | 2.4219974 | 20 | — | — |
| 93403 2000 $SM_{293}$ | 15.0 | X | 288.82838 | 16.48747 | 299.41992 | 8.73765 | 0.2024646 | 0.23304070 | 2.6152600 | 20 | 4 18.0 | 18.8 |
| 93404 2000 $SQ_{293}$ | 15.4 | X | 351.24728 | 305.35718 | 356.45737 | 13.55339 | 0.1808886 | 0.23914626 | 2.5705555 | 20 | 8 10.1 | 17.9 |
| 93405 2000 $SV_{293}$ | 15.5 | X | 325.14946 | 8.18478 | 322.10590 | 8.56793 | 0.2162319 | 0.23933499 | 2.5692040 | 20 | 7 17.1 | 17.7 |
| 93406 2000 $SZ_{293}$ | 14.2 | X | 235.10671 | 34.27421 | 21.34934 | 22.41530 | 0.0605703 | 0.23450052 | 2.6043950 | 20 | 7 26.9 | 18.3 |
| 93407 2000 $SM_{294}$ | 14.5 | X | 64.84118 | 242.13266 | 350.19724 | 14.80402 | 0.1005310 | 0.23845738 | 2.5755038 | 20 | 8 24.8 | 17.9 |
| 93408 2000 $SV_{294}$ | 14.7 | X | 115.11627 | 111.20288 | 357.43080 | 14.65164 | 0.1128935 | 0.22490561 | 2.6779503 | 20 | 5 5.4 | 18.8 |
| 93409 2000 $SS_{296}$ | 15.5 | X | 75.49354 | 129.56740 | 336.49153 | 10.63472 | 0.1294314 | 0.22276038 | 2.6951157 | 20 | 3 16.9 | 18.9 |
| 93410 2000 $SJ_{297}$ | 15.2 | X | 59.00460 | 175.68830 | 328.19857 | 7.83170 | 0.0222319 | 0.22723114 | 2.6596479 | 20 | 3 28.2 | 18.8 |
| 93411 2000 $SY_{298}$ | 15.5 | X | 127.30223 | 166.47948 | 241.42528 | 5.84246 | 0.1196308 | 0.27242832 | 2.3566832 | 20 | 3 1.5 | 18.8 |
| 93412 2000 $ST_{300}$ | 16.1 | X | 229.70895 | 114.38861 | 306.18556 | 3.23664 | 0.1816178 | 0.23652735 | 2.5894954 | 20 | 7 5.0 | 20.0 |
| 93413 2000 $SB_{301}$ | 16.0 | X | 251.03978 | 118.16867 | 323.98824 | 3.04361 | 0.0938792 | 0.24332825 | 2.5410177 | 20 | 9 8.9 | 19.1 |
| 93414 2000 $SC_{301}$ | 15.8 | X | 213.45389 | 4.90544 | 1.60761 | 9.49268 | 0.0735301 | 0.22910593 | 2.6451187 | 20 | 4 14.1 | 19.7 |
| 93415 2000 $SW_{301}$ | 15.3 | X | 231.10654 | 351.37349 | 5.05076 | 9.16766 | 0.1265253 | 0.23044668 | 2.6348491 | 20 | 4 17.1 | 19.4 |
| 93416 2000 $SG_{303}$ | 15.9 | X | 108.17173 | 198.20611 | 224.48227 | 4.91193 | 0.1426963 | 0.22060491 | 2.7126427 | 20 | 3 7.0 | 19.7 |
| 93417 2000 $SV_{303}$ | 14.6 | X | 33.41519 | 195.34812 | 278.45137 | 8.49621 | 0.1588615 | 0.21483236 | 2.7610202 | 20 | 1 21.1 | 17.5 |
| 93418 2000 $SB_{305}$ | 15.4 | X | 77.02086 | 198.84062 | 288.65670 | 6.53985 | 0.0386727 | 0.22574469 | 2.6713104 | 20 | 4 2.0 | 19.0 |
| 93419 2000 $SS_{305}$ | 15.4 | X | 259.77833 | 125.75541 | 216.27701 | 12.18139 | 0.1902246 | 0.23313842 | 2.6145291 | 20 | 4 24.3 | 19.2 |
| 93420 2000 $SC_{307}$ | 14.5 | X | 345.52890 | 242.83318 | 349.21707 | 9.84982 | 0.1276619 | 0.22847033 | 2.6500222 | 20 | 4 4.1 | 17.4 |
| 93421 2000 $SK_{307}$ | 14.9 | X | 112.53398 | 114.88278 | 349.54283 | 12.30773 | 0.1282396 | 0.22617781 | 2.6678990 | 20 | 4 29.4 | 19.0 |
| 93422 2000 $SB_{308}$ | 15.2 | X | 156.90423 | 78.09349 | 2.48604 | 14.92334 | 0.1235936 | 0.22865541 | 2.6485920 | 20 | 5 16.3 | 19.6 |
| 93423 2000 $SG_{308}$ | 15.3 | X | 161.28265 | 241.43838 | 251.11740 | 9.69104 | 0.1303564 | 0.23640165 | 2.5904132 | 20 | 7 29.4 | 19.6 |
| 93424 2000 $SP_{312}$ | 15.1 | X | 11.48267 | 16.82219 | 289.20770 | 13.78828 | 0.1923512 | 0.24525272 | 2.5277075 | 20 | 9 17.4 | 18.1 |
| 93425 2000 $SC_{314}$ | 14.9 | X | 64.65725 | 327.92074 | 267.99502 | 14.20388 | 0.1199326 | 0.23980738 | 2.5658289 | 20 | 8 21.4 | 18.6 |
| 93426 2000 $SQ_{315}$ | 15.2 | X | 22.36106 | 298.99693 | 290.32860 | 12.59965 | 0.1974867 | 0.23616811 | 2.5921207 | 20 | 6 21.7 | 17.6 |
| 93427 2000 $SY_{315}$ | 14.9 | X | 288.09819 | 302.62309 | 266.80691 | 11.74031 | 0.1580023 | 0.27059233 | 2.3673314 | 20 | — | — |
| 93428 2000 $ST_{316}$ | 15.5 | X | 337.80281 | 347.00255 | 293.90061 | 12.97314 | 0.1543779 | 0.23871807 | 2.5736285 | 20 | 5 31.5 | 18.2 |
| 93429 2000 $SE_{317}$ | 15.4 | X | 6.54272 | 4.13222 | 271.18399 | 12.41308 | 0.1408688 | 0.24122666 | 2.5557548 | 20 | 7 21.2 | 18.0 |
| 93430 2000 $SG_{317}$ | 15.0 | X | 224.10140 | 221.88404 | 251.16779 | 12.22086 | 0.0655229 | 0.24601709 | 2.5224692 | 20 | 9 14.3 | 18.8 |
| 93431 2000 $SS_{317}$ | 14.9 | X | 290.18566 | 350.20137 | 239.66374 | 15.06447 | 0.1140167 | 0.22294343 | 2.6936403 | 20 | 1 14.9 | 19.0 |
| 93432 2000 $SN_{318}$ | 15.2 | X | 111.23700 | 199.92881 | 248.53830 | 23.38404 | 0.1452702 | 0.27635599 | 2.3343006 | 20 | 4 4.8 | 18.8 |
| 93433 2000 $SN_{319}$ | 14.0 | X | 252.87504 | 101.84751 | 353.44444 | 12.45625 | 0.1464721 | 0.24096572 | 2.5575995 | 20 | 9 20.7 | 17.2 |
| 93434 2000 $ST_{319}$ | 14.1 | X | 64.84142 | 182.87354 | 322.23063 | 8.22870 | 0.2082107 | 0.21718278 | 2.7410637 | 20 | 5 4.9 | 17.6 |
| 93435 2000 $SS_{320}$ | 14.8 | X | 99.80424 | 28.26784 | 20.34054 | 12.88646 | 0.1710123 | 0.21499883 | 2.7595948 | 20 | 2 20.7 | 18.7 |
| 93436 2000 $SO_{326}$ | 16.4 | X | 38.95250 | 176.24968 | 16.13573 | 3.54699 | 0.0296499 | 0.23037183 | 2.6354198 | 20 | 5 7.7 | 19.8 |
| 93437 2000 $SG_{327}$ | 14.6 | X | 135.22632 | 308.57909 | 133.74364 | 14.14588 | 0.2332498 | 0.22634716 | 2.6665681 | 20 | 5 14.9 | 19.3 |
| 93438 2000 $SR_{327}$ | 15.7 | X | 259.95796 | 59.41076 | 310.14010 | 2.42914 | 0.1451450 | 0.23485478 | 2.6017753 | 20 | 6 5.2 | 19.3 |
| 93439 2000 $SF_{328}$ | 15.1 | X | 335.71789 | 224.18759 | 266.49475 | 6.19407 | 0.0953154 | 0.20990552 | 2.8040568 | 20 | — | — |
| 93440 2000 $SX_{328}$ | 15.1 | X | 153.39261 | 210.98353 | 231.49447 | 21.31312 | 0.0478301 | 0.23123233 | 2.6288775 | 20 | 5 15.7 | 18.7 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93441 2000 $SV_{330}$ | 16.1 | X | 203.11495 | 318.19331 | 80.31275 | 3.30620 | 0.2144642 | 0.23006673 | 2.6377492 | 20 | 5 11.9 | 20.4 |
| 93442 2000 $SO_{333}$ | 15.9 | X | 347.99255 | 41.55250 | 52.09971 | 2.87884 | 0.1418866 | 0.26045955 | 2.4283383 | 20 | — | — |
| 93443 2000 $SK_{336}$ | 15.5 | X | 25.82215 | 54.78784 | 268.21562 | 4.41525 | 0.0937518 | 0.24679052 | 2.5171962 | 20 | 10 27.9 | 18.7 |
| 93444 2000 $SN_{336}$ | 14.7 | X | 37.14781 | 118.65254 | 353.40755 | 7.52974 | 0.1800702 | 0.21480519 | 2.7612530 | 20 | 1 30.7 | 17.5 |
| 93445 2000 $SU_{336}$ | 15.3 | X | 179.15552 | 317.65181 | 24.81962 | 11.28294 | 0.1096979 | 0.21938510 | 2.7226886 | 20 | 2 16.9 | 19.6 |
| 93446 2000 $SV_{339}$ | 14.9 | X | 341.44962 | 225.19381 | 218.55916 | 9.10741 | 0.1666174 | 0.25426505 | 2.4676200 | 20 | — | — |
| 93447 2000 $SZ_{339}$ | 15.3 | X | 51.84422 | 199.66134 | 6.92431 | 5.79756 | 0.0476175 | 0.23222608 | 2.6213724 | 20 | 6 18.2 | 18.7 |
| 93448 2000 $SA_{345}$ | 14.9 | X | 285.76971 | 324.87182 | 69.44981 | 17.11699 | 0.1836994 | 0.24230030 | 2.5481995 | 20 | 8 17.3 | 18.2 |
| 93449 2000 $SD_{347}$ | 13.8 | X | 77.35983 | 232.05917 | 263.93586 | 24.52562 | 0.2471674 | 0.22530013 | 2.6748232 | 20 | 5 19.9 | 17.6 |
| 93450 2000 $SP_{347}$ | 15.5 | X | 219.92787 | 105.74442 | 316.58054 | 22.14071 | 0.0395932 | 0.23990653 | 2.5651218 | 20 | 7 15.5 | 19.2 |
| 93451 2000 $SE_{349}$ | 15.4 | X | 220.03429 | 24.86090 | 100.90744 | 14.37387 | 0.1141229 | 0.24415136 | 2.5353035 | 20 | 10 3.9 | 19.3 |
| 93452 2000 $SY_{351}$ | 14.7 | X | 194.79833 | 19.14935 | 112.06834 | 14.86116 | 0.1044568 | 0.24254520 | 2.5464839 | 20 | 9 10.6 | 18.7 |
| 93453 2000 $SZ_{351}$ | 16.0 | X | 41.35640 | 122.44070 | 144.78893 | 4.48202 | 0.1180675 | 0.24398598 | 2.5364490 | 20 | 9 9.6 | 18.9 |
| 93454 2000 $SP_{352}$ | 14.8 | X | 163.07395 | 351.73144 | 122.90587 | 14.35344 | 0.1213623 | 0.23418785 | 2.6067126 | 20 | 7 10.9 | 18.8 |
| 93455 2000 $SS_{352}$ | 15.5 | X | 356.37962 | 277.14682 | 40.45143 | 27.06338 | 0.1104443 | 0.24337111 | 2.5407193 | 20 | 9 23.9 | 18.9 |
| 93456 2000 $SG_{357}$ | 14.5 | X | 73.52469 | 165.93447 | 61.00559 | 25.44351 | 0.1350049 | 0.24079043 | 2.5588406 | 20 | 9 16.7 | 18.7 |
| 93457 2000 $ST_{358}$ | 15.3 | X | 309.99273 | 245.70976 | 141.72272 | 14.99960 | 0.1833801 | 0.24303763 | 2.5430430 | 20 | 9 19.7 | 17.8 |
| 93458 2000 $SX_{358}$ | 15.0 | X | 105.22849 | 17.58494 | 95.34731 | 13.46692 | 0.0635175 | 0.22843020 | 2.6503326 | 20 | 5 3.6 | 18.8 |
| 93459 2000 $SK_{360}$ | 15.3 | X | 78.62730 | 291.59062 | 124.99510 | 9.85612 | 0.1665965 | 0.21461375 | 2.7628948 | 20 | 1 25.8 | 18.5 |
| 93460 2000 $SV_{360}$ | 15.9 | X | 236.31549 | 216.33310 | 223.70115 | 3.29680 | 0.0732107 | 0.24434042 | 2.5339955 | 20 | 8 19.9 | 19.2 |
| 93461 2000 $ST_{363}$ | 16.2 | X | 78.61871 | 335.95009 | 41.29080 | 8.13277 | 0.1100664 | 0.26479833 | 2.4017394 | 20 | — | — |
| 93462 2000 $SJ_{367}$ | 15.1 | X | 104.80862 | 94.03184 | 345.97557 | 13.50553 | 0.0653475 | 0.22330822 | 2.6907060 | 20 | 3 14.2 | 18.6 |
| 93463 2000 $SC_{368}$ | 16.0 | X | 248.20879 | 185.26736 | 150.14680 | 3.87263 | 0.0933128 | 0.23287650 | 2.6164892 | 20 | 4 15.5 | 19.7 |
| 93464 2000 $SA_{369}$ | 16.0 | X | 328.29184 | 8.78538 | 282.61760 | 6.22715 | 0.1357564 | 0.23831552 | 2.5765258 | 20 | 5 31.2 | 18.6 |
| 93465 2000 $SY_{369}$ | 16.0 | X | 317.57384 | 198.90755 | 124.59862 | 8.08436 | 0.1982519 | 0.24106299 | 2.5569115 | 20 | 6 20.6 | 18.5 |
| 93466 2000 $TO$ | 15.2 | X | 170.84381 | 245.97089 | 22.54066 | 7.88971 | 0.1889156 | 0.21165383 | 2.7885940 | 20 | — | — |
| 93467 2000 $TM_{5}$ | 16.0 | X | 126.28322 | 266.47019 | 7.05412 | 5.35956 | 0.0768725 | 0.25639385 | 2.4539421 | 20 | 12 24.9 | 19.6 |
| 93468 2000 $TY_{5}$ | 15.8 | X | 299.99030 | 136.00130 | 336.51215 | 2.21769 | 0.1457250 | 0.25454488 | 2.4658111 | 20 | — | — |
| 93469 2000 $TW_{10}$ | 15.8 | X | 49.40608 | 77.79838 | 205.20017 | 2.18607 | 0.1042196 | 0.24609493 | 2.5219372 | 20 | 10 9.8 | 18.8 |
| 93470 2000 $TW_{11}$ | 15.3 | X | 17.61873 | 187.93393 | 18.53023 | 9.41886 | 0.0776063 | 0.23019028 | 2.6368053 | 20 | 4 26.5 | 18.4 |
| 93471 2000 $TU_{12}$ | 15.1 | X | 141.40649 | 284.24015 | 66.53562 | 9.40941 | 0.0225469 | 0.21578239 | 2.7529102 | 20 | 1 4.0 | 18.9 |
| 93472 2000 $TV_{12}$ | 15.7 | X | 260.89573 | 55.66826 | 249.95390 | 3.90473 | 0.2302304 | 0.22855692 | 2.6493529 | 20 | 3 5.7 | 20.0 |
| 93473 2000 $TY_{13}$ | 15.4 | X | 147.98161 | 121.97067 | 20.64352 | 15.22174 | 0.1076338 | 0.23639235 | 2.5904812 | 20 | 8 7.2 | 19.6 |
| 93474 2000 $TU_{14}$ | 16.0 | X | 189.54465 | 324.36522 | 355.09122 | 2.03562 | 0.0818319 | 0.21928262 | 2.7235367 | 20 | 1 25.1 | 20.0 |
| 93475 2000 $TB_{17}$ | 13.9 | X | 146.44728 | 89.42162 | 47.06495 | 16.59588 | 0.1739127 | 0.18325531 | 3.0697170 | 20 | 7 25.6 | 19.2 |
| 93476 2000 $TG_{17}$ | 15.7 | X | 95.75471 | 287.31695 | 140.87097 | 9.78500 | 0.1426154 | 0.21886108 | 2.7270328 | 20 | 3 2.1 | 19.2 |
| 93477 2000 $TL_{17}$ | 15.5 | X | 20.12118 | 57.72179 | 198.08041 | 11.54389 | 0.0346458 | 0.23551170 | 2.5969348 | 20 | 7 7.3 | 19.0 |
| 93478 2000 $TQ_{19}$ | 15.7 | X | 263.27679 | 251.37336 | 99.42958 | 6.26825 | 0.1132471 | 0.23540975 | 2.5976846 | 20 | 5 21.3 | 19.2 |
| 93479 2000 $TM_{20}$ | 15.3 | X | 237.44623 | 313.48072 | 84.89757 | 8.62538 | 0.1948400 | 0.23579778 | 2.5948340 | 20 | 6 12.6 | 19.2 |
| 93480 2000 $TZ_{20}$ | 15.9 | X | 294.11524 | 254.01906 | 140.83253 | 8.17523 | 0.1390017 | 0.24412286 | 2.5355008 | 20 | 9 3.2 | 18.6 |
| 93481 2000 $TN_{21}$ | 15.2 | X | 251.49547 | 257.78430 | 56.95960 | 13.77892 | 0.1915663 | 0.22972279 | 2.6403814 | 20 | 3 20.7 | 19.6 |
| 93482 2000 $TO_{21}$ | 15.9 | X | 317.57622 | 307.77323 | 52.94273 | 14.23521 | 0.1846841 | 0.24329497 | 2.5412495 | 20 | 8 30.6 | 18.6 |
| 93483 2000 $TM_{22}$ | 15.0 | X | 85.01828 | 99.07086 | 321.16089 | 8.12138 | 0.1563818 | 0.21433885 | 2.7652567 | 20 | 2 7.8 | 18.4 |
| 93484 2000 $TP_{22}$ | 15.8 | X | 348.58433 | 90.60762 | 191.36379 | 7.50290 | 0.1857885 | 0.23698685 | 2.5861471 | 20 | 6 24.9 | 18.2 |
| 93485 2000 $TS_{24}$ | 16.0 | X | 154.85757 | 296.82436 | 136.94335 | 3.49928 | 0.1033246 | 0.22844932 | 2.6501847 | 20 | 5 10.7 | 20.1 |
| 93486 2000 $TE_{25}$ | 15.4 | X | 121.41520 | 217.90830 | 38.50202 | 7.24004 | 0.1084829 | 0.25194500 | 2.4827456 | 20 | 11 26.9 | 19.3 |
| 93487 2000 $TD_{26}$ | 15.8 | X | 280.66747 | 116.52193 | 120.08057 | 1.57369 | 0.0524600 | 0.22088734 | 2.7103300 | 20 | 1 24.3 | 19.4 |
| 93488 2000 $TV_{32}$ | 15.4 | X | 133.27900 | 314.08967 | 160.39725 | 4.02522 | 0.1690146 | 0.22839855 | 2.6505774 | 20 | 6 13.4 | 19.5 |
| 93489 2000 $TT_{33}$ | 15.4 | X | 273.28978 | 138.31774 | 204.74157 | 7.46195 | 0.2008118 | 0.23301142 | 2.6154791 | 20 | 5 10.4 | 19.2 |
| 93490 2000 $TV_{33}$ | 15.3 | X | 229.84757 | 163.40666 | 225.55762 | 10.47811 | 0.1443441 | 0.23318134 | 2.6142082 | 20 | 5 28.6 | 19.3 |
| 93491 2000 $TC_{34}$ | 14.9 | X | 161.25076 | 185.16948 | 216.75683 | 7.44255 | 0.2416158 | 0.22365699 | 2.6879080 | 20 | 4 12.2 | 19.4 |
| 93492 2000 $TD_{36}$ | 15.2 | X | 128.72293 | 224.26319 | 223.57365 | 5.75778 | 0.2686008 | 0.22433672 | 2.6824758 | 20 | 5 14.3 | 19.6 |
| 93493 2000 $TN_{38}$ | 13.6 | X | 58.51182 | 89.80803 | 35.79226 | 13.12915 | 0.1232995 | 0.22581345 | 2.6707681 | 20 | 3 24.1 | 16.8 |
| 93494 2000 $TA_{39}$ | 15.6 | X | 269.19045 | 261.76549 | 146.81986 | 13.48666 | 0.2394350 | 0.24187371 | 2.5511947 | 20 | 7 25.9 | 19.1 |
| 93495 2000 $TB_{39}$ | 15.4 | X | 52.48710 | 26.48410 | 66.26473 | 7.48409 | 0.0799283 | 0.26995625 | 2.3710486 | 20 | 1 11.4 | 18.0 |
| 93496 2000 $TT_{41}$ | 15.2 | X | 113.80332 | 355.10529 | 132.35426 | 9.54000 | 0.1076565 | 0.23247158 | 2.6195266 | 20 | 6 4.7 | 19.1 |
| 93497 2000 $TV_{42}$ | 16.2 | X | 19.98352 | 301.53144 | 116.69959 | 9.16032 | 0.2133013 | 0.25872594 | 2.4391737 | 20 | — | — |
| 93498 2000 $TH_{45}$ | 14.7 | X | 153.77316 | 53.01545 | 50.32443 | 13.36746 | 0.1272587 | 0.23340569 | 2.6125328 | 20 | 6 15.5 | 18.9 |
| 93499 2000 $TK_{46}$ | 15.5 | X | 106.76034 | 64.46164 | 39.15345 | 4.79879 | 0.1103381 | 0.22672556 | 2.6636003 | 20 | 4 24.4 | 19.1 |
| 93500 2000 $TU_{49}$ | 14.5 | X | 2.59578 | 164.35898 | 61.51612 | 14.42682 | 0.1269712 | 0.23075917 | 2.6324698 | 20 | 5 3.4 | 17.2 |
| 93501 2000 $TE_{50}$ | 15.2 | X | 171.87910 | 294.49672 | 153.99275 | 12.42198 | 0.1394300 | 0.23182896 | 2.6243651 | 20 | 6 17.1 | 19.6 |
| 93502 2000 $TN_{50}$ | 14.9 | X | 57.92063 | 175.39019 | 71.30405 | 11.71173 | 0.0777751 | 0.24049253 | 2.5609533 | 20 | 9 3.6 | 18.4 |
| 93503 2000 $TJ_{51}$ | 15.1 | X | 231.86062 | 206.38748 | 117.02060 | 10.20389 | 0.0731849 | 0.22519417 | 2.6756622 | 20 | 3 17.8 | 19.1 |
| 93504 2000 $TM_{52}$ | 15.6 | X | 127.66597 | 305.35734 | 189.27718 | 4.54255 | 0.0226720 | 0.23374405 | 2.6100110 | 20 | 6 20.0 | 19.1 |
| 93505 2000 $TF_{53}$ | 15.3 | X | 134.20253 | 65.48047 | 51.52396 | 15.48410 | 0.0802110 | 0.23204616 | 2.6227272 | 20 | 6 8.1 | 19.2 |
| 93506 2000 $TS_{54}$ | 15.6 | X | 143.37297 | 295.96321 | 36.31354 | 5.02880 | 0.0744978 | 0.21358937 | 2.7717217 | 20 | — | — |
| 93507 2000 $TA_{56}$ | 16.2 | X | 336.67820 | 220.63633 | 153.56929 | 8.65848 | 0.2450593 | 0.24544401 | 2.5263940 | 20 | 11 4.5 | 18.1 |
| 93508 2000 $TM_{56}$ | 15.9 | X | 198.71658 | 311.33216 | 183.95850 | 13.08043 | 0.1834154 | 0.24070299 | 2.5594602 | 20 | 9 6.9 | 20.1 |
| 93509 2000 $TP_{56}$ | 15.4 | X | 101.39863 | 145.69956 | 324.53757 | 11.28151 | 0.1556572 | 0.22766324 | 2.6562816 | 20 | 4 27.3 | 19.4 |
| 93510 2000 $TT_{56}$ | 15.6 | X | 95.47998 | 35.89683 | 40.53999 | 6.87710 | 0.1039283 | 0.27430696 | 2.3459108 | 20 | 3 1.9 | 18.4 |
| 93511 2000 $TA_{60}$ | 14.5 | X | 163.17050 | 13.54538 | 92.68259 | 15.09812 | 0.1025767 | 0.23299714 | 2.6155859 | 20 | 6 29.6 | 18.5 |
| 93512 2000 $TO_{60}$ | 14.9 | X | 250.12352 | 336.88947 | 134.56264 | 13.52561 | 0.0955026 | 0.24659489 | 2.5185274 | 20 | 10 24.5 | 18.4 |
| 93513 2000 $TP_{61}$ | 15.1 | X | 160.05874 | 32.00272 | 79.48355 | 13.24121 | 0.1317182 | 0.23364258 | 2.6107667 | 20 | 7 3.9 | 19.2 |
| 93514 2000 $TA_{62}$ | 15.4 | X | 167.41065 | 314.94605 | 144.26729 | 14.07344 | 0.2044155 | 0.23209144 | 2.6223861 | 20 | 6 26.8 | 20.0 |
| 93515 2000 $TS_{62}$ | 16.1 | X | 266.92366 | 342.55945 | 16.79194 | 2.90872 | 0.0840201 | 0.23522527 | 2.5990426 | 20 | 6 9.3 | 19.7 |
| 93516 2000 $TA_{63}$ | 15.9 | X | 220.36902 | 0.23109 | 76.69583 | 3.19622 | 0.1506754 | 0.23592186 | 2.5939241 | 20 | 7 19.8 | 19.9 |
| 93517 2000 $TF_{63}$ | 14.9 | X | 67.70434 | 343.32567 | 257.59314 | 13.07390 | 0.0531155 | 0.24321819 | 2.5417842 | 20 | 8 22.8 | 18.5 |
| 93518 2000 $TU_{63}$ | 16.3 | X | 246.61415 | 328.90401 | 331.30520 | 4.50188 | 0.1741531 | 0.22702876 | 2.6612283 | 20 | 2 21.8 | 20.3 |
| 93519 2000 $TV_{63}$ | 15.5 | X | 259.08780 | 274.10831 | 3.89522 | 14.01354 | 0.0940193 | 0.22446536 | 2.6814507 | 20 | 2 19.5 | 19.6 |
| 93520 2000 $TW_{63}$ | 16.0 | X | 129.24731 | 357.20810 | 268.34689 | 3.21603 | 0.1727281 | 0.25603095 | 2.4562604 | 20 | 12 17.8 | 19.8 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93521 2000 $TX_{65}$ | 15.8 | X | 242.10997 | 255.56757 | 206.61206 | 14.93113 | 0.1458271 | 0.24313037 | 2.5423962 | 20 | 9 13.7 | 19.5 |
| 93522 2000 $TK_{67}$ | 16.1 | X | 332.52882 | 271.85703 | 77.30595 | 2.54492 | 0.0898123 | 0.24357196 | 2.5393225 | 20 | 9 9.4 | 18.7 |
| 93523 2000 $TQ_{67}$ | 14.7 | X | 88.73293 | 218.30516 | 2.48978 | 4.60255 | 0.1763386 | 0.24069957 | 2.5594845 | 20 | 9 14.9 | 18.5 |
| 93524 2000 $UQ$ | 15.4 | X | 134.17827 | 339.69781 | 40.92234 | 5.00528 | 0.0924413 | 0.21639451 | 2.7477163 | 20 | 2 11.9 | 19.3 |
| 93525 2000 $UX$ | 14.5 | X | 127.37223 | 56.14272 | 48.75623 | 12.06238 | 0.1500570 | 0.22533381 | 2.6745567 | 20 | 5 23.0 | 18.5 |
| 93526 2000 $UY$ | 14.8 | X | 328.02036 | 228.44628 | 174.13177 | 1.90228 | 0.0356590 | 0.19617359 | 2.9334297 | 20 | 11 4.0 | 18.7 |
| 93527 2000 $UW_{1}$ | 14.3 | X | 32.90880 | 328.40493 | 66.26424 | 39.55875 | 0.1980935 | 0.20424949 | 2.8555870 | 20 | — | — |
| 93528 2000 $UL_{4}$ | 15.8 | X | 217.11999 | 183.99701 | 208.56031 | 13.64630 | 0.1804942 | 0.23065292 | 2.6332782 | 20 | 5 18.7 | 20.1 |
| 93529 2000 $UM_{6}$ | 15.5 | X | 259.10032 | 208.53474 | 201.67127 | 3.55265 | 0.1239710 | 0.23875691 | 2.5733493 | 20 | 8 1.1 | 18.9 |
| 93530 2000 $UW_{6}$ | 15.5 | X | 280.01545 | 152.25156 | 204.43847 | 2.69920 | 0.2007475 | 0.23649227 | 2.5897514 | 20 | 6 5.7 | 18.9 |
| 93531 2000 $UA_{7}$ | 15.6 | X | 313.75558 | 304.56486 | 43.06270 | 13.81670 | 0.1990773 | 0.23973653 | 2.5663344 | 20 | 7 24.2 | 18.4 |
| 93532 2000 $UL_{9}$ | 15.0 | X | 58.04925 | 172.21997 | 231.50020 | 5.75721 | 0.1240991 | 0.25892554 | 2.4379200 | 20 | — | — |
| 93533 2000 $UO_{12}$ | 15.0 | X | 287.61802 | 67.04573 | 253.35974 | 2.67706 | 0.1782910 | 0.23127923 | 2.6285221 | 20 | 4 30.1 | 18.6 |
| 93534 2000 $UU_{13}$ | 14.7 | X | 163.14400 | 31.16070 | 47.07461 | 12.92454 | 0.1737728 | 0.22638918 | 2.6662382 | 20 | 5 24.9 | 19.1 |
| 93535 2000 $UL_{14}$ | 15.0 | X | 63.80964 | 10.55040 | 39.77824 | 9.76169 | 0.1328295 | 0.26020074 | 2.4299483 | 20 | — | — |
| 93536 2000 $UM_{14}$ | 15.4 | X | 75.21151 | 187.16346 | 285.31132 | 6.67728 | 0.2331911 | 0.21973376 | 2.7198076 | 20 | 4 10.0 | 19.0 |
| 93537 2000 $UV_{14}$ | 14.8 | X | 104.80981 | 145.49106 | 28.04608 | 15.04562 | 0.1691980 | 0.23242710 | 2.6198608 | 20 | 8 6.1 | 19.1 |
| 93538 2000 $UJ_{17}$ | 15.7 | X | 87.76789 | 327.90864 | 104.86632 | 4.58875 | 0.1793566 | 0.21730936 | 2.7399992 | 20 | 3 3.6 | 19.2 |
| 93539 2000 $US_{17}$ | 14.7 | X | 59.65957 | 51.52463 | 66.57151 | 12.52011 | 0.1417796 | 0.21872720 | 2.7281455 | 20 | 3 21.2 | 18.1 |
| 93540 2000 $UG_{19}$ | 15.3 | X | 223.28099 | 313.05501 | 146.10269 | 13.89710 | 0.1429864 | 0.23684297 | 2.5871943 | 20 | 8 21.7 | 19.0 |
| 93541 2000 $UT_{20}$ | 15.4 | X | 343.64244 | 224.33941 | 63.28938 | 3.38163 | 0.0987684 | 0.23556037 | 2.5965772 | 20 | 6 26.8 | 18.2 |
| 93542 2000 $UY_{20}$ | 15.5 | X | 279.79233 | 250.51198 | 65.33671 | 5.50628 | 0.1136876 | 0.23090708 | 2.6313456 | 20 | 4 25.7 | 19.0 |
| 93543 2000 $UG_{21}$ | 15.8 | X | 88.36748 | 212.64125 | 184.76061 | 4.50048 | 0.0819233 | 0.21328104 | 2.7743923 | 20 | 1 3.1 | 19.3 |
| 93544 2000 $UV_{21}$ | 15.1 | X | 259.54929 | 252.89701 | 103.03484 | 3.47651 | 0.0326025 | 0.23183488 | 2.6243204 | 20 | 6 3.2 | 18.5 |
| 93545 2000 $UY_{21}$ | 15.0 | X | 244.85619 | 270.18679 | 124.43913 | 3.50794 | 0.0633861 | 0.23465297 | 2.6032668 | 20 | 7 1.8 | 18.4 |
| 93546 2000 $UT_{22}$ | 15.1 | X | 176.50505 | 275.46989 | 131.02072 | 4.80830 | 0.1056342 | 0.22675714 | 2.6633530 | 20 | 4 29.6 | 19.2 |
| 93547 2000 $UC_{23}$ | 15.3 | X | 96.06568 | 307.38112 | 121.10623 | 3.64438 | 0.2092979 | 0.21734340 | 2.7397130 | 20 | 3 12.9 | 18.9 |
| 93548 2000 $UL_{23}$ | 15.5 | X | 244.68513 | 332.99471 | 135.04113 | 5.31287 | 0.1555949 | 0.24286609 | 2.5442403 | 20 | 9 28.9 | 18.8 |
| 93549 2000 $UP_{23}$ | 15.2 | X | 141.14626 | 133.78402 | 201.76147 | 12.41212 | 0.2490084 | 0.21475832 | 2.7616548 | 20 | 1 8.8 | 19.9 |
| 93550 2000 $UY_{23}$ | 15.3 | X | 211.01995 | 31.74033 | 81.04248 | 8.60640 | 0.1526502 | 0.23844094 | 2.5756222 | 20 | 8 29.2 | 19.3 |
| 93551 2000 $UL_{24}$ | 14.4 | X | 4.19506 | 162.00219 | 63.51810 | 13.04362 | 0.0114160 | 0.22723230 | 2.6596389 | 20 | 5 6.2 | 17.9 |
| 93552 2000 $UO_{25}$ | 15.5 | X | 31.62613 | 258.43118 | 174.50071 | 5.42230 | 0.1111651 | 0.20879351 | 2.8140040 | 20 | — | — |
| 93553 2000 $UT_{25}$ | 15.4 | X | 111.28212 | 338.19321 | 111.45345 | 6.05596 | 0.1038851 | 0.22195625 | 2.7016212 | 20 | 4 14.0 | 19.2 |
| 93554 2000 $UM_{27}$ | 15.7 | X | 285.43756 | 295.58740 | 97.54460 | 6.24196 | 0.2770110 | 0.23957593 | 2.5674812 | 20 | 7 22.5 | 18.6 |
| 93555 2000 $US_{27}$ | 15.2 | X | 185.15685 | 240.37263 | 201.61141 | 10.54019 | 0.2139480 | 0.22923298 | 2.6441412 | 20 | 6 19.2 | 19.9 |
| 93556 2000 $UK_{31}$ | 16.0 | X | 28.57563 | 159.06628 | 60.38625 | 4.22549 | 0.0212648 | 0.23113757 | 2.6295959 | 20 | 5 30.1 | 19.4 |
| 93557 2000 $UH_{34}$ | 15.9 | X | 171.83330 | 87.11866 | 9.27076 | 3.62265 | 0.0945353 | 0.23250089 | 2.6193064 | 20 | 6 26.2 | 19.9 |
| 93558 2000 $UJ_{36}$ | 15.8 | X | 222.44042 | 347.82340 | 350.66667 | 2.20310 | 0.0722247 | 0.22543766 | 2.6737352 | 20 | 3 21.9 | 19.8 |
| 93559 2000 $UA_{37}$ | 15.3 | X | 276.94406 | 293.88875 | 167.05877 | 2.09381 | 0.0864155 | 0.24723235 | 2.5141963 | 20 | 11 14.9 | 18.2 |
| 93560 2000 $UB_{37}$ | 16.1 | X | 314.10499 | 264.84635 | 92.09337 | 2.71645 | 0.2144121 | 0.24093975 | 2.5577833 | 20 | 8 3.2 | 18.3 |
| 93561 2000 $UO_{37}$ | 14.8 | X | 81.65468 | 309.34478 | 201.26158 | 4.35308 | 0.2171170 | 0.22402262 | 2.6849826 | 20 | 6 10.1 | 18.4 |
| 93562 2000 $UW_{37}$ | 15.4 | X | 128.03398 | 195.76537 | 217.32132 | 7.08353 | 0.1610841 | 0.22026489 | 2.7154336 | 20 | 3 19.7 | 19.6 |
| 93563 2000 $UY_{37}$ | 14.1 | X | 164.11109 | 286.20019 | 220.58173 | 7.39031 | 0.1434401 | 0.18579504 | 3.0416785 | 20 | 8 15.9 | 19.2 |
| 93564 2000 $UR_{38}$ | 15.5 | X | 255.85748 | 284.71664 | 47.84571 | 6.87746 | 0.1837733 | 0.23029583 | 2.6359996 | 20 | 4 11.1 | 19.4 |
| 93565 2000 $UB_{39}$ | 15.6 | X | 184.55316 | 41.53690 | 53.28116 | 7.24818 | 0.0516984 | 0.23379434 | 2.6096367 | 20 | 7 10.0 | 19.3 |
| 93566 2000 $UC_{39}$ | 15.4 | X | 74.22029 | 32.23996 | 54.75221 | 5.75139 | 0.0871649 | 0.21730288 | 2.7400537 | 20 | 2 19.1 | 18.9 |
| 93567 2000 $UD_{39}$ | 15.9 | X | 184.72615 | 331.12961 | 68.95980 | 3.31373 | 0.0932988 | 0.22719894 | 2.6598992 | 20 | 4 28.6 | 19.9 |
| 93568 2000 $UE_{39}$ | 14.5 | X | 304.75340 | 228.14697 | 47.62272 | 13.75887 | 0.1576699 | 0.22861857 | 2.6488765 | 20 | 4 3.5 | 18.0 |
| 93569 2000 $UG_{39}$ | 15.1 | X | 235.95665 | 194.01423 | 55.11258 | 5.48643 | 0.0180655 | 0.21314087 | 2.7756086 | 20 | — | — |
| 93570 2000 $UY_{41}$ | 15.4 | X | 162.34542 | 15.04726 | 90.17328 | 1.26738 | 0.0632234 | 0.23125400 | 2.6287133 | 20 | 6 26.5 | 19.2 |
| 93571 2000 $UP_{42}$ | 15.2 | X | 253.47573 | 225.47955 | 210.14758 | 8.92696 | 0.1514300 | 0.23991046 | 2.5650938 | 20 | 8 22.2 | 18.8 |
| 93572 2000 $UT_{42}$ | 15.7 | X | 222.72649 | 228.94846 | 165.84662 | 3.00181 | 0.0990809 | 0.23134192 | 2.6280472 | 20 | 6 1.5 | 19.5 |
| 93573 2000 $UU_{42}$ | 15.5 | X | 120.53854 | 154.45198 | 209.62444 | 11.35182 | 0.1597176 | 0.21399533 | 2.7682152 | 20 | 1 11.7 | 19.7 |
| 93574 2000 $UG_{43}$ | 15.4 | X | 227.53242 | 291.35352 | 56.82067 | 5.63362 | 0.1007099 | 0.22645102 | 2.6657527 | 20 | 4 9.1 | 19.4 |
| 93575 2000 $UD_{44}$ | 14.8 | X | 296.73273 | 173.31749 | 41.76042 | 12.70811 | 0.0379800 | 0.21551717 | 2.7551683 | 20 | 1 23.2 | 18.8 |
| 93576 2000 $UL_{44}$ | 15.9 | X | 273.41609 | 16.34581 | 34.57794 | 3.80045 | 0.1650680 | 0.23978805 | 2.5659668 | 20 | 8 19.0 | 19.0 |
| 93577 2000 $UA_{46}$ | 15.6 | X | 118.95776 | 359.00315 | 41.86629 | 4.69217 | 0.0933145 | 0.21718399 | 2.7410535 | 20 | 2 19.4 | 19.5 |
| 93578 2000 $UW_{47}$ | 15.7 | X | 242.18352 | 75.80074 | 346.09810 | 0.71556 | 0.0919054 | 0.23623487 | 2.5916323 | 20 | 7 31.9 | 19.1 |
| 93579 2000 $UZ_{47}$ | 13.9 | X | 324.11806 | 79.81314 | 54.42171 | 15.61071 | 0.0949834 | 0.20639579 | 2.8357558 | 20 | — | — |
| 93580 2000 $UC_{48}$ | 16.5 | X | 177.11596 | 250.80043 | 199.59551 | 4.84893 | 0.2901110 | 0.22908217 | 2.6453016 | 20 | 6 22.9 | 21.3 |
| 93581 2000 $UD_{48}$ | 16.2 | X | 311.01842 | 196.94288 | 183.94358 | 3.47153 | 0.2426791 | 0.24223907 | 2.5486288 | 20 | 8 29.4 | 18.0 |
| 93582 2000 $UP_{48}$ | 14.9 | X | 207.42927 | 125.18550 | 341.75038 | 1.57643 | 0.1816075 | 0.23583298 | 2.5945758 | 20 | 8 11.8 | 18.9 |
| 93583 2000 $UC_{51}$ | 14.2 | X | 106.66913 | 298.56777 | 234.51867 | 6.13708 | 0.1746765 | 0.18056661 | 3.1001147 | 20 | 7 27.5 | 19.1 |
| 93584 2000 $UL_{51}$ | 16.0 | X | 216.36841 | 255.38629 | 93.99241 | 4.16339 | 0.1750740 | 0.22615525 | 2.6680764 | 20 | 3 27.2 | 20.4 |
| 93585 2000 $UE_{52}$ | 14.1 | X | 67.03486 | 165.20366 | 44.71146 | 12.06065 | 0.0394082 | 0.18171081 | 3.0870871 | 20 | 7 12.4 | 18.5 |
| 93586 2000 $UH_{52}$ | 15.2 | X | 164.13304 | 203.40534 | 227.10759 | 13.99037 | 0.0645510 | 0.22669592 | 2.6638325 | 20 | 5 13.9 | 18.9 |
| 93587 2000 $UJ_{52}$ | 14.5 | X | 140.01140 | 102.87135 | 56.20683 | 9.68013 | 0.1679396 | 0.23306767 | 2.6150582 | 20 | 8 20.1 | 18.9 |
| 93588 2000 $UO_{52}$ | 15.6 | X | 231.87933 | 128.79270 | 234.07033 | 6.12511 | 0.1249102 | 0.22838175 | 2.6507074 | 20 | 4 27.8 | 19.7 |
| 93589 2000 $UV_{52}$ | 15.2 | X | 130.64608 | 156.42713 | 233.97162 | 4.52180 | 0.0796132 | 0.21665020 | 2.7455540 | 20 | 2 14.3 | 19.1 |
| 93590 2000 $UY_{52}$ | 15.1 | X | 127.12169 | 345.87999 | 57.21321 | 13.88246 | 0.1564823 | 0.21774732 | 2.7363239 | 20 | 3 15.8 | 19.4 |
| 93591 2000 $US_{53}$ | 14.7 | X | 245.42044 | 247.81449 | 61.03337 | 12.77326 | 0.1791342 | 0.22469066 | 2.6796580 | 20 | 3 8.8 | 19.2 |
| 93592 2000 $UD_{54}$ | 16.0 | X | 312.90528 | 181.74392 | 163.08371 | 3.02740 | 0.2476435 | 0.23934842 | 2.5691079 | 20 | 7 5.1 | 18.4 |
| 93593 2000 $UF_{54}$ | 14.7 | X | 246.72033 | 294.87822 | 124.73734 | 4.25230 | 0.1574521 | 0.23659118 | 2.5890296 | 20 | 7 25.2 | 18.3 |
| 93594 2000 $UH_{54}$ | 15.3 | X | 211.95651 | 4.17381 | 62.27530 | 13.49908 | 0.1532266 | 0.23242483 | 2.6198778 | 20 | 6 26.1 | 19.5 |
| 93595 2000 $UZ_{54}$ | 15.0 | X | 11.63698 | 46.05817 | 86.50837 | 8.33988 | 0.0766815 | 0.21298810 | 2.7769357 | 20 | 1 12.9 | 18.3 |
| 93596 2000 $UN_{55}$ | 14.7 | X | 170.90532 | 4.94643 | 74.93698 | 14.15963 | 0.0642839 | 0.22842168 | 2.6503984 | 20 | 6 3.0 | 18.4 |
| 93597 2000 $UX_{55}$ | 15.6 | X | 344.08380 | 285.18817 | 81.34148 | 8.13293 | 0.2613402 | 0.24550923 | 2.5259466 | 20 | 11 12.3 | 17.4 |
| 93598 2000 $UD_{56}$ | 15.4 | X | 328.40900 | 247.82717 | 112.26791 | 4.66648 | 0.2554447 | 0.24241317 | 2.5474084 | 20 | 9 14.1 | 17.0 |
| 93599 2000 $UA_{57}$ | 15.3 | X | 66.96897 | 293.27312 | 224.23038 | 13.24496 | 0.1168705 | 0.22621453 | 2.6676103 | 20 | 5 14.3 | 18.5 |
| 93600 2000 $UN_{57}$ | 15.7 | X | 186.30687 | 83.32388 | 299.69662 | 3.81146 | 0.0585335 | 0.22692020 | 2.6620770 | 20 | 4 5.4 | 19.6 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93601 2000 $UR_{57}$ | 15.6 | X | 137.34742 | 45.71818 | 338.49945 | 6.69024 | 0.1249951 | 0.21997097 | 2.7178520 | 20 | 2 21.5 | 19.4 |
| 93602 2000 $UG_{58}$ | 15.7 | X | 304.29505 | 176.23233 | 290.32763 | 4.68380 | 0.0925113 | 0.25289834 | 2.4765022 | 20 | — | — |
| 93603 2000 $UO_{58}$ | 15.3 | X | 46.32321 | 99.54822 | 5.32416 | 8.52036 | 0.0897637 | 0.21682496 | 2.7440785 | 20 | 2 1.3 | 18.6 |
| 93604 2000 $UP_{58}$ | 15.8 | X | 215.63517 | 144.70065 | 327.35884 | 4.09420 | 0.1364418 | 0.24070491 | 2.5594466 | 20 | 8 30.6 | 19.4 |
| 93605 2000 $UR_{58}$ | 15.1 | X | 18.97974 | 92.53400 | 222.49426 | 13.84703 | 0.1575516 | 0.24603911 | 2.5223187 | 20 | 10 16.1 | 18.1 |
| 93606 2000 $UU_{60}$ | 14.8 | X | 209.92463 | 274.59090 | 10.62799 | 8.55279 | 0.1277417 | 0.21716071 | 2.7412494 | 20 | 1 5.9 | 19.3 |
| 93607 2000 $UQ_{61}$ | 14.6 | X | 60.38561 | 281.52757 | 334.99701 | 5.23603 | 0.1656382 | 0.24237772 | 2.5476568 | 20 | 9 25.9 | 18.1 |
| 93608 2000 $UR_{61}$ | 15.0 | X | 71.91268 | 204.07786 | 241.10664 | 8.55977 | 0.1796235 | 0.21639896 | 2.7476787 | 20 | 2 19.5 | 18.5 |
| 93609 2000 $UX_{61}$ | 15.1 | X | 14.28049 | 86.25971 | 283.38725 | 2.83083 | 0.1291257 | 0.25080796 | 2.4902436 | 20 | 12 21.1 | 18.0 |
| 93610 2000 $UK_{62}$ | 15.4 | X | 340.01110 | 199.22107 | 259.97475 | 4.36227 | 0.0767776 | 0.25644342 | 2.4536259 | 20 | — | — |
| 93611 2000 $UZ_{62}$ | 15.8 | X | 239.91403 | 137.85971 | 319.24625 | 3.98302 | 0.1142820 | 0.24166399 | 2.5526705 | 20 | 9 10.7 | 19.2 |
| 93612 2000 $UH_{63}$ | 15.3 | X | 86.43335 | 193.67703 | 258.08337 | 3.53009 | 0.1370100 | 0.21949239 | 2.7218012 | 20 | 3 15.9 | 18.8 |
| 93613 2000 $UL_{64}$ | 15.2 | X | 24.58254 | 238.61534 | 2.66664 | 11.24030 | 0.0684310 | 0.23467864 | 2.6030769 | 20 | 6 29.6 | 18.6 |
| 93614 2000 $UZ_{65}$ | 15.4 | X | 104.38185 | 27.39551 | 350.52447 | 1.33027 | 0.0891918 | 0.21336012 | 2.7737068 | 20 | 1 1.6 | 19.2 |
| 93615 2000 $UO_{66}$ | 15.0 | X | 353.18606 | 254.84727 | 18.76560 | 13.17315 | 0.1288708 | 0.23543987 | 2.5974631 | 20 | 6 22.6 | 18.0 |
| 93616 2000 $UW_{66}$ | 15.3 | X | 227.07874 | 135.36446 | 237.21525 | 11.48675 | 0.0234989 | 0.22999143 | 2.6383249 | 20 | 5 14.6 | 18.8 |
| 93617 2000 $UC_{69}$ | 15.3 | X | 88.80337 | 143.46568 | 299.42122 | 4.46787 | 0.0408371 | 0.21930543 | 2.7233479 | 20 | 2 22.9 | 18.8 |
| 93618 2000 $UL_{69}$ | 15.8 | X | 338.16296 | 317.35907 | 6.11484 | 5.23940 | 0.1551451 | 0.24004358 | 2.5641455 | 20 | 8 11.1 | 18.1 |
| 93619 2000 $UR_{69}$ | 16.5 | X | 295.42857 | 343.08650 | 9.37221 | 4.26499 | 0.2808269 | 0.23887112 | 2.5725291 | 20 | 6 7.6 | 19.7 |
| 93620 2000 $UQ_{70}$ | 15.1 | X | 138.51209 | 97.09934 | 30.13255 | 14.41802 | 0.1142157 | 0.23048224 | 2.6345781 | 20 | 7 1.7 | 19.3 |
| 93621 2000 $UZ_{70}$ | 15.7 | X | 256.81579 | 308.28246 | 13.87596 | 4.81511 | 0.2607238 | 0.23019154 | 2.6367957 | 20 | 3 21.9 | 20.1 |
| 93622 2000 $UJ_{71}$ | 15.4 | X | 252.48566 | 80.88840 | 279.74797 | 2.93364 | 0.0979478 | 0.23167468 | 2.6255301 | 20 | 5 21.3 | 18.9 |
| 93623 2000 $UC_{73}$ | 15.2 | X | 227.88551 | 137.67698 | 213.52132 | 13.96506 | 0.1666496 | 0.22633065 | 2.6666978 | 20 | 4 5.6 | 19.5 |
| 93624 2000 $UP_{73}$ | 15.3 | X | 191.96488 | 326.80538 | 20.67721 | 3.16199 | 0.0911897 | 0.22198771 | 2.7013660 | 20 | 3 2.1 | 19.3 |
| 93625 2000 $UU_{73}$ | 15.7 | X | 191.09964 | 210.46206 | 221.19285 | 14.71196 | 0.1738576 | 0.23078183 | 2.6322975 | 20 | 6 12.1 | 20.1 |
| 93626 2000 $UV_{73}$ | 16.0 | X | 159.80868 | 155.16874 | 224.37314 | 11.25400 | 0.1726438 | 0.22153148 | 2.7050736 | 20 | 3 8.5 | 20.6 |
| 93627 2000 $UK_{74}$ | 15.1 | X | 219.95082 | 245.62452 | 132.27901 | 14.25913 | 0.1116455 | 0.22746788 | 2.6578022 | 20 | 5 11.4 | 19.4 |
| 93628 2000 $UF_{75}$ | 15.6 | X | 160.89446 | 275.53473 | 166.13412 | 5.28020 | 0.2402283 | 0.22698629 | 2.6615602 | 20 | 5 31.7 | 20.2 |
| 93629 2000 $UH_{77}$ | 15.9 | X | 235.69638 | 243.58213 | 106.96273 | 4.30414 | 0.1123377 | 0.22893892 | 2.6464050 | 20 | 4 19.9 | 19.9 |
| 93630 2000 $UR_{77}$ | 15.5 | X | 133.72105 | 321.73869 | 55.56438 | 6.78436 | 0.0367377 | 0.21837530 | 2.7310755 | 20 | 1 30.9 | 19.4 |
| 93631 2000 $UV_{78}$ | 14.2 | X | 193.20243 | 73.04561 | 67.68064 | 10.70516 | 0.0564715 | 0.18940795 | 3.0028750 | 20 | 9 19.1 | 18.8 |
| 93632 2000 $UE_{79}$ | 15.2 | X | 15.27324 | 200.09322 | 211.28485 | 1.38482 | 0.0640291 | 0.20294845 | 2.8677782 | 20 | — | — |
| 93633 2000 $UF_{79}$ | 15.5 | X | 195.26333 | 319.66209 | 60.69098 | 3.52272 | 0.1442598 | 0.22529114 | 2.6748944 | 20 | 4 14.7 | 19.7 |
| 93634 2000 $UP_{79}$ | 15.0 | X | 261.25781 | 118.12701 | 235.09808 | 20.84372 | 0.1341736 | 0.23062710 | 2.6334748 | 20 | 5 17.8 | 18.7 |
| 93635 2000 $UR_{80}$ | 15.5 | X | 136.05305 | 164.84622 | 248.37473 | 4.57315 | 0.0592392 | 0.22085369 | 2.7106053 | 20 | 3 17.0 | 19.4 |
| 93636 2000 $UF_{81}$ | 14.1 | X | 358.53789 | 181.19738 | 58.07062 | 16.50795 | 0.1156705 | 0.22841416 | 2.6504567 | 20 | 5 13.6 | 16.8 |
| 93637 2000 $UM_{81}$ | 15.4 | X | 298.62479 | 212.13974 | 234.46110 | 10.85995 | 0.1715804 | 0.24558425 | 2.5254321 | 20 | 11 23.1 | 17.7 |
| 93638 2000 $UP_{81}$ | 14.4 | X | 193.07283 | 13.03230 | 60.28265 | 5.73218 | 0.1770681 | 0.22812680 | 2.6526819 | 20 | 6 15.9 | 18.8 |
| 93639 2000 $UQ_{86}$ | 15.2 | X | 155.84450 | 252.76837 | 80.80805 | 6.47186 | 0.0512282 | 0.21418020 | 2.7666221 | 20 | 1 3.6 | 19.0 |
| 93640 2000 $UU_{86}$ | 15.7 | X | 239.64333 | 231.83788 | 102.57656 | 5.65148 | 0.1623872 | 0.22773532 | 2.6557211 | 20 | 3 31.6 | 20.0 |
| 93641 2000 $US_{88}$ | 15.5 | X | 254.55887 | 155.93658 | 203.24123 | 13.01106 | 0.0932100 | 0.23214707 | 2.6219672 | 20 | 5 24.2 | 19.3 |
| 93642 2000 $UA_{89}$ | 15.6 | X | 72.63117 | 276.51841 | 123.10880 | 4.63145 | 0.1009971 | 0.21124632 | 2.7921792 | 20 | — | — |
| 93643 2000 $UK_{89}$ | 15.8 | X | 264.69846 | 212.06188 | 132.10934 | 5.35866 | 0.1807344 | 0.23181107 | 2.6245001 | 20 | 5 5.9 | 19.6 |
| 93644 2000 $UE_{90}$ | 15.6 | X | 327.58892 | 260.03925 | 63.49587 | 10.91810 | 0.1387977 | 0.23919280 | 2.5702221 | 20 | 7 20.4 | 18.4 |
| 93645 2000 $UF_{90}$ | 15.4 | X | 121.17380 | 236.68245 | 126.41590 | 6.77942 | 0.1002500 | 0.21380291 | 2.7698759 | 20 | 1 5.4 | 19.2 |
| 93646 2000 $UR_{90}$ | 15.6 | X | 242.63264 | 29.81490 | 6.50502 | 2.47232 | 0.1795532 | 0.23309024 | 2.6148894 | 20 | 6 16.7 | 19.6 |
| 93647 2000 $UK_{91}$ | 14.7 | X | 188.72676 | 308.98847 | 262.09002 | 5.58194 | 0.0925054 | 0.25274305 | 2.4775165 | 20 | 12 12.7 | 18.1 |
| 93648 2000 $UH_{92}$ | 15.2 | X | 43.18602 | 52.49384 | 242.90151 | 13.51958 | 0.0804248 | 0.24443959 | 2.5333101 | 20 | 10 10.1 | 18.6 |
| 93649 2000 $UA_{94}$ | 15.4 | X | 324.94207 | 69.87409 | 241.09720 | 10.35411 | 0.1884913 | 0.23714754 | 2.5849787 | 20 | 6 16.9 | 17.9 |
| 93650 2000 $UQ_{94}$ | 15.4 | X | 309.65208 | 37.81879 | 277.02500 | 6.29786 | 0.1997351 | 0.23551509 | 2.5969099 | 20 | 5 21.7 | 18.2 |
| 93651 2000 $UU_{94}$ | 15.6 | X | 210.36511 | 205.34084 | 264.92511 | 7.82132 | 0.1181664 | 0.23853390 | 2.5749530 | 20 | 8 20.8 | 19.5 |
| 93652 2000 $UW_{97}$ | 15.7 | X | 76.53796 | 71.97397 | 352.65090 | 5.96283 | 0.0029926 | 0.21424890 | 2.7660306 | 20 | 1 13.8 | 19.5 |
| 93653 2000 $UL_{98}$ | 15.0 | X | 112.84652 | 19.85174 | 22.85905 | 6.40592 | 0.0426726 | 0.21640648 | 2.7476149 | 20 | 2 7.5 | 18.8 |
| 93654 2000 $UX_{98}$ | 14.4 | X | 37.37035 | 235.92827 | 253.20492 | 11.64231 | 0.1630764 | 0.21536285 | 2.7564843 | 20 | 2 14.5 | 17.6 |
| 93655 2000 $UT_{99}$ | 15.1 | X | 138.26529 | 336.52472 | 24.10551 | 6.63235 | 0.0948980 | 0.21493484 | 2.7601425 | 20 | 1 23.4 | 19.1 |
| 93656 2000 $UW_{99}$ | 15.7 | X | 250.58588 | 85.47485 | 356.84367 | 3.44277 | 0.1866529 | 0.23971683 | 2.5664750 | 20 | 8 26.5 | 19.2 |
| 93657 2000 $UN_{100}$ | 15.2 | X | 14.79045 | 177.97610 | 312.56156 | 4.22770 | 0.0514376 | 0.21330957 | 2.7741450 | 20 | 1 16.0 | 18.6 |
| 93658 2000 $UU_{103}$ | 14.6 | X | 350.56979 | 317.54035 | 23.16398 | 10.33682 | 0.1989828 | 0.24238822 | 2.5475832 | 20 | 10 7.7 | 16.8 |
| 93659 2000 $UF_{104}$ | 14.4 | X | 93.53732 | 120.60201 | 30.90279 | 6.35023 | 0.2132591 | 0.22335964 | 2.6902930 | 20 | 6 24.4 | 18.4 |
| 93660 2000 $UH_{104}$ | 14.1 | X | 45.18135 | 6.95005 | 309.48707 | 3.40799 | 0.1780756 | 0.24607458 | 2.5220762 | 20 | 11 27.7 | 17.4 |
| 93661 2000 $UQ_{104}$ | 14.4 | X | 314.87543 | 13.93574 | 22.15297 | 10.83511 | 0.0592857 | 0.19179659 | 2.9778910 | 20 | 10 7.2 | 18.3 |
| 93662 2000 $UD_{105}$ | 15.5 | X | 346.12425 | 280.77596 | 47.55258 | 14.73241 | 0.2206048 | 0.24485818 | 2.5304221 | 20 | 9 18.4 | 17.9 |
| 93663 2000 $UX_{105}$ | 15.6 | X | 155.26153 | 224.63231 | 186.80056 | 14.81606 | 0.0857537 | 0.22490418 | 2.6779617 | 20 | 4 11.6 | 19.5 |
| 93664 2000 $UJ_{106}$ | 15.4 | X | 60.39393 | 312.42125 | 141.95002 | 6.85803 | 0.1144069 | 0.21663207 | 2.7457072 | 20 | 2 8.6 | 18.7 |
| 93665 2000 $US_{108}$ | 15.1 | X | 273.25298 | 281.87198 | 67.30918 | 15.24811 | 0.1257115 | 0.23336213 | 2.6128579 | 20 | 5 28.7 | 18.6 |
| 93666 2000 $UL_{109}$ | 15.3 | X | 212.00384 | 292.24570 | 85.71714 | 11.19502 | 0.2238567 | 0.22827088 | 2.6515656 | 20 | 4 27.6 | 19.9 |
| 93667 2000 $UM_{109}$ | 15.0 | X | 222.90856 | 184.90176 | 198.46371 | 12.95610 | 0.2382459 | 0.23015362 | 2.6370853 | 20 | 5 9.5 | 19.6 |
| 93668 2000 $UA_{110}$ | 13.7 | X | 19.75086 | 57.75570 | 74.99509 | 22.96881 | 0.1883315 | 0.21217487 | 2.7840269 | 20 | 1 24.4 | 16.9 |
| 93669 2000 $UV_{111}$ | 15.5 | X | 144.98438 | 69.76347 | 214.31680 | 5.89709 | 0.0217516 | 0.20448915 | 2.8533554 | 20 | — | — |
| 93670 2000 $UC_{112}$ | 15.2 | X | 136.18162 | 317.57659 | 210.73843 | 11.66147 | 0.1676172 | 0.23430665 | 2.6058314 | 20 | 8 19.8 | 19.6 |
| 93671 2000 $UQ_{112}$ | 16.2 | X | 229.49729 | 77.74119 | 280.73390 | 1.22397 | 0.2266239 | 0.22936136 | 2.6431545 | 20 | 4 13.2 | 20.5 |
| 93672 2000 $UY_{112}$ | 15.4 | X | 310.04837 | 103.96589 | 204.96396 | 7.31358 | 0.2160474 | 0.23432854 | 2.6056690 | 20 | 5 12.8 | 18.2 |
| 93673 2000 $UR_{113}$ | 14.6 | X | 162.04362 | 346.85141 | 116.85455 | 22.85249 | 0.0522240 | 0.23360016 | 2.6110827 | 20 | 6 25.7 | 18.5 |
| 93674 2000 $VZ_{3}$ | 15.9 | X | 128.05931 | 180.62265 | 235.27603 | 3.02976 | 0.0907871 | 0.22184928 | 2.7024896 | 20 | 3 15.6 | 19.7 |
| 93675 2000 $VR_{5}$ | 14.9 | X | 358.60182 | 141.17794 | 31.74244 | 12.70490 | 0.1596265 | 0.21802938 | 2.7339634 | 20 | 2 12.8 | 18.1 |
| 93676 2000 $VX_{5}$ | 15.0 | X | 166.62524 | 92.84823 | 35.61344 | 13.66496 | 0.1215863 | 0.23495472 | 2.6010374 | 20 | 8 7.3 | 19.3 |
| 93677 2000 $VD_{6}$ | 15.8 | X | 9.12472 | 60.24775 | 231.50729 | 2.40809 | 0.1100806 | 0.23949001 | 2.5680951 | 20 | 8 18.6 | 18.7 |
| 93678 2000 $VJ_{6}$ | 15.5 | X | 198.84163 | 322.21019 | 42.14228 | 4.56825 | 0.1064982 | 0.22534747 | 2.6744486 | 20 | 3 30.0 | 19.6 |
| 93679 2000 $VO_{11}$ | 14.5 | X | 29.89598 | 223.16452 | 46.53376 | 11.78824 | 0.2048211 | 0.23933094 | 2.5692330 | 20 | 9 14.8 | 17.6 |
| 93680 2000 $VC_{12}$ | 15.6 | X | 169.45297 | 255.51874 | 156.85682 | 2.36789 | 0.0684102 | 0.22614910 | 2.6681248 | 20 | 4 27.2 | 19.5 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93681 2000 $VZ_{13}$ | 15.5 | X | 320.70337 | 115.36703 | 222.52168 | 3.16381 | 0.1082404 | 0.23796295 | 2.5790702 | 20 | 7 28.6 | 18.4 |
| 93682 2000 $VM_{14}$ | 15.4 | X | 330.43691 | 218.20286 | 145.75033 | 3.06789 | 0.1556890 | 0.24303459 | 2.5430642 | 20 | 9 26.6 | 17.8 |
| 93683 2000 $VN_{14}$ | 15.5 | X | 305.98073 | 237.34524 | 95.28354 | 4.20257 | 0.0712186 | 0.23447669 | 2.6045714 | 20 | 7 1.3 | 18.4 |
| 93684 2000 $VC_{15}$ | 15.2 | X | 123.29859 | 344.62818 | 103.96103 | 3.18035 | 0.0605293 | 0.22364406 | 2.6880116 | 20 | 4 19.9 | 19.0 |
| 93685 2000 $VG_{15}$ | 14.9 | X | 10.51796 | 81.82984 | 217.49721 | 8.67405 | 0.0917940 | 0.23898636 | 2.5717020 | 20 | 8 27.5 | 18.1 |
| 93686 2000 $VB_{17}$ | 15.7 | X | 101.08223 | 316.54759 | 97.19509 | 5.77105 | 0.1204062 | 0.21577055 | 2.7530109 | 20 | 2 17.2 | 19.4 |
| 93687 2000 $VH_{18}$ | 15.3 | X | 308.23160 | 234.86984 | 143.03510 | 4.39973 | 0.1573491 | 0.24070836 | 2.5594222 | 20 | 8 31.4 | 17.7 |
| 93688 2000 $VG_{20}$ | 15.2 | X | 50.10025 | 2.89921 | 66.87156 | 5.39020 | 0.0539393 | 0.21183837 | 2.7869743 | 20 | — | — |
| 93689 2000 $VT_{20}$ | 15.5 | X | 105.74749 | 300.42376 | 220.20571 | 3.18304 | 0.0507841 | 0.23146135 | 2.6271431 | 20 | 6 29.9 | 19.2 |
| 93690 2000 $VE_{21}$ | 15.6 | X | 331.20166 | 287.24174 | 159.75225 | 2.38550 | 0.0364095 | 0.20296068 | 2.8676630 | 20 | — | — |
| 93691 2000 $VJ_{21}$ | 15.8 | X | 93.90801 | 328.57239 | 48.54744 | 2.33805 | 0.0712561 | 0.21099776 | 2.7943716 | 20 | — | — |
| 93692 2000 $VK_{21}$ | 14.8 | X | 72.04012 | 182.27940 | 47.84343 | 9.80292 | 0.0739549 | 0.23715756 | 2.5849059 | 20 | 8 29.1 | 18.4 |
| 93693 2000 $VC_{23}$ | 13.9 | X | 88.42351 | 23.12368 | 248.82090 | 1.83739 | 0.1127255 | 0.24691313 | 2.5163628 | 20 | 11 12.4 | 17.5 |
| 93694 2000 $VD_{23}$ | 15.3 | X | 265.43170 | 26.73744 | 31.14346 | 4.39932 | 0.0980506 | 0.23992796 | 2.5649691 | 20 | 8 28.3 | 18.6 |
| 93695 2000 $VU_{24}$ | 14.6 | X | 329.66351 | 288.04818 | 235.69596 | 16.42883 | 0.0805186 | 0.21118875 | 2.7926866 | 20 | — | — |
| 93696 2000 $VV_{25}$ | 15.4 | X | 218.59658 | 295.60517 | 356.58165 | 2.04004 | 0.0245983 | 0.21680188 | 2.7442732 | 20 | 1 23.7 | 19.1 |
| 93697 2000 $VH_{26}$ | 15.6 | X | 258.95316 | 358.06498 | 52.93668 | 4.67710 | 0.0745116 | 0.23759601 | 2.5817248 | 20 | 8 13.2 | 19.0 |
| 93698 2000 $VM_{26}$ | 15.8 | X | 126.24322 | 18.00832 | 37.19051 | 4.83364 | 0.0952151 | 0.21960698 | 2.7208543 | 20 | 3 16.6 | 19.6 |
| 93699 2000 $VP_{26}$ | 14.6 | X | 18.95434 | 103.11744 | 48.76985 | 9.98222 | 0.0659193 | 0.21689820 | 2.7434607 | 20 | 2 22.6 | 18.1 |
| 93700 2000 $VT_{26}$ | 15.5 | X | 39.20876 | 232.71541 | 235.52612 | 3.67877 | 0.1671518 | 0.21281171 | 2.7784699 | 20 | 1 25.6 | 18.3 |
| 93701 2000 $VM_{27}$ | 15.3 | X | 173.99304 | 307.27931 | 156.05104 | 2.32783 | 0.0693185 | 0.23117718 | 2.6292956 | 20 | 7 7.4 | 19.2 |
| 93702 2000 $VU_{27}$ | 14.7 | X | 242.82586 | 339.40062 | 126.79316 | 3.92851 | 0.1425982 | 0.24092069 | 2.5579182 | 20 | 9 25.3 | 18.1 |
| 93703 2000 $VZ_{27}$ | 15.5 | X | 261.96620 | 301.37054 | 119.89757 | 4.55324 | 0.2035014 | 0.23842156 | 2.5757618 | 20 | 8 9.5 | 18.7 |
| 93704 2000 $VP_{28}$ | 15.3 | X | 255.06077 | 173.58776 | 210.44162 | 7.06605 | 0.1960623 | 0.23371277 | 2.6102439 | 20 | 6 12.5 | 19.1 |
| 93705 2000 $VP_{30}$ | 15.8 | X | 204.86419 | 234.11006 | 166.06546 | 4.94553 | 0.1674430 | 0.22822670 | 2.6519078 | 20 | 5 17.8 | 20.1 |
| 93706 2000 $VQ_{30}$ | 15.6 | X | 165.62713 | 318.80441 | 79.33150 | 8.82451 | 0.1612638 | 0.22267779 | 2.6957821 | 20 | 4 12.7 | 20.0 |
| 93707 2000 $VP_{31}$ | 15.5 | X | 281.64878 | 179.43743 | 212.33389 | 2.40442 | 0.1672609 | 0.23822990 | 2.5771431 | 20 | 8 1.0 | 18.5 |
| 93708 2000 $VR_{31}$ | 15.4 | X | 253.87728 | 196.87251 | 184.14429 | 2.82199 | 0.1302068 | 0.23287457 | 2.6165036 | 20 | 6 15.6 | 19.1 |
| 93709 2000 $VW_{31}$ | 15.5 | X | 6.15526 | 10.99851 | 61.74478 | 1.97970 | 0.1832259 | 0.25429703 | 2.4674131 | 20 | — | — |
| 93710 2000 $VR_{33}$ | 15.4 | X | 223.60637 | 301.49132 | 121.86850 | 2.59242 | 0.1591918 | 0.23270249 | 2.6177934 | 20 | 7 4.0 | 19.3 |
| 93711 2000 $VX_{33}$ | 15.3 | X | 129.17538 | 208.91233 | 225.16552 | 2.66991 | 0.1613861 | 0.22088478 | 2.7103509 | 20 | 4 17.7 | 19.4 |
| 93712 2000 $VU_{34}$ | 14.9 | X | 189.47461 | 312.71907 | 70.57927 | 15.09413 | 0.1867456 | 0.22410954 | 2.6842883 | 20 | 4 18.4 | 19.6 |
| 93713 2000 $VH_{35}$ | 15.7 | X | 157.23383 | 233.33792 | 217.87919 | 5.83795 | 0.2344577 | 0.22534163 | 2.6744948 | 20 | 6 8.7 | 20.4 |
| 93714 2000 $VJ_{35}$ | 14.2 | X | 151.86615 | 323.47411 | 76.74333 | 16.41907 | 0.1096010 | 0.21901257 | 2.7257751 | 20 | 4 3.9 | 18.6 |
| 93715 2000 $VN_{35}$ | 15.5 | X | 246.31009 | 282.69029 | 83.04767 | 4.20611 | 0.1192066 | 0.23020205 | 2.6367154 | 20 | 5 19.2 | 19.4 |
| 93716 2000 $VP_{35}$ | 14.4 | X | 146.13861 | 277.32885 | 230.48270 | 13.35068 | 0.0869344 | 0.18156996 | 3.0886833 | 20 | 7 27.2 | 19.4 |
| 93717 2000 $VE_{36}$ | 13.8 | X | 10.98377 | 292.19934 | 118.90985 | 14.65176 | 0.0778327 | 0.19805372 | 2.9148355 | 20 | — | — |
| 93718 2000 $VO_{36}$ | 14.1 | X | 186.57848 | 137.37386 | 260.66338 | 13.19013 | 0.2345623 | 0.22222899 | 2.6994104 | 20 | 4 24.6 | 19.0 |
| 93719 2000 $VR_{36}$ | 13.6 | X | 86.41364 | 333.09159 | 114.13362 | 17.90167 | 0.2083704 | 0.21271853 | 2.7792813 | 20 | 3 31.9 | 17.6 |
| 93720 2000 $VY_{37}$ | 14.5 | X | 174.55938 | 320.46394 | 94.60648 | 13.67997 | 0.2542835 | 0.22261709 | 2.6962721 | 20 | 5 13.3 | 19.4 |
| 93721 2000 $VN_{39}$ | 15.9 | X | 264.03213 | 123.38867 | 237.50387 | 3.58607 | 0.1424666 | 0.23501775 | 2.6005723 | 20 | 5 30.4 | 19.6 |
| 93722 2000 $VE_{40}$ | 16.1 | X | 150.17976 | 101.60893 | 324.23944 | 2.64511 | 0.1041243 | 0.22666440 | 2.6640795 | 20 | 4 23.2 | 20.0 |
| 93723 2000 $VF_{40}$ | 16.0 | X | 305.44509 | 60.34432 | 266.12878 | 2.78915 | 0.1536940 | 0.23708631 | 2.5854238 | 20 | 6 9.1 | 19.0 |
| 93724 2000 $VX_{40}$ | 15.8 | X | 150.21580 | 234.99660 | 254.46333 | 2.87529 | 0.1134328 | 0.23307683 | 2.6149897 | 20 | 7 16.2 | 19.8 |
| 93725 2000 $VF_{41}$ | 15.8 | X | 182.80528 | 73.26803 | 3.93285 | 3.06822 | 0.1575895 | 0.23081114 | 2.6320746 | 20 | 6 11.8 | 20.0 |
| 93726 2000 $VZ_{41}$ | 15.3 | X | 257.21906 | 28.97660 | 310.02917 | 3.78013 | 0.0927386 | 0.23004689 | 2.6379009 | 20 | 4 27.9 | 19.1 |
| 93727 2000 $VX_{42}$ | 15.8 | X | 356.42380 | 92.74040 | 354.74880 | 2.20142 | 0.1821910 | 0.25564770 | 2.4587146 | 20 | — | — |
| 93728 2000 $VX_{43}$ | 15.6 | X | 89.22127 | 117.82184 | 19.36407 | 4.50228 | 0.0160128 | 0.22702081 | 2.6612904 | 20 | 4 30.9 | 19.2 |
| 93729 2000 $VK_{44}$ | 15.8 | X | 179.37856 | 71.83589 | 41.57848 | 13.80608 | 0.1321100 | 0.23351177 | 2.6117415 | 20 | 7 30.3 | 20.2 |
| 93730 2000 $VB_{46}$ | 13.9 | X | 351.61413 | 12.45112 | 267.73396 | 15.28469 | 0.0386999 | 0.23198252 | 2.6232068 | 20 | 6 29.6 | 17.2 |
| 93731 2000 $VT_{46}$ | 14.9 | X | 280.71748 | 165.79588 | 276.58330 | 9.41859 | 0.0855982 | 0.19325376 | 2.9629029 | 20 | 10 9.6 | 19.0 |
| 93732 2000 $VE_{47}$ | 13.7 | X | 187.38658 | 268.25144 | 260.03990 | 17.98356 | 0.2174977 | 0.18938476 | 3.0031201 | 20 | 9 23.9 | 19.2 |
| 93733 2000 $VJ_{47}$ | 14.0 | X | 202.35638 | 41.34043 | 39.42467 | 14.88775 | 0.2224598 | 0.17982888 | 3.1085874 | 20 | 6 30.8 | 19.5 |
| 93734 2000 $VS_{47}$ | 15.6 | X | 116.59763 | 286.77996 | 81.07630 | 1.68734 | 0.0854793 | 0.21335400 | 2.7737598 | 20 | 1 3.9 | 19.2 |
| 93735 2000 $VO_{48}$ | 15.4 | X | 215.40443 | 327.16847 | 48.67985 | 6.45308 | 0.1062884 | 0.22673545 | 2.6635228 | 20 | 4 29.5 | 19.5 |
| 93736 2000 $VL_{50}$ | 15.2 | X | 226.78954 | 57.73024 | 356.99596 | 1.07664 | 0.1160852 | 0.23168366 | 2.6254622 | 20 | 6 30.4 | 18.9 |
| 93737 2000 $VP_{50}$ | 14.6 | X | 161.49433 | 48.97276 | 64.40910 | 12.14951 | 0.1363985 | 0.22833341 | 2.6510814 | 20 | 7 8.2 | 18.9 |
| 93738 2000 $VQ_{50}$ | 14.3 | X | 181.98697 | 308.47421 | 69.13775 | 12.26156 | 0.1554257 | 0.22068508 | 2.7119857 | 20 | 4 4.5 | 18.9 |
| 93739 2000 $VK_{51}$ | 15.0 | X | 66.26193 | 254.83822 | 20.93112 | 11.44477 | 0.1224286 | 0.24437895 | 2.5337291 | 20 | 10 22.9 | 18.5 |
| 93740 2000 $VO_{51}$ | 15.3 | X | 27.87875 | 1.29638 | 124.82217 | 7.16499 | 0.1227459 | 0.21545338 | 2.7557121 | 20 | 1 28.6 | 18.3 |
| 93741 2000 $VV_{55}$ | 14.8 | X | 261.42489 | 281.25959 | 39.58805 | 12.43493 | 0.1738073 | 0.22760344 | 2.6567468 | 20 | 4 5.1 | 18.8 |
| 93742 2000 $VH_{56}$ | 15.8 | X | 131.88497 | 67.68662 | 303.76373 | 2.47857 | 0.1951458 | 0.21572183 | 2.7534255 | 20 | 2 7.8 | 20.0 |
| 93743 2000 $VX_{56}$ | 14.6 | X | 211.78238 | 131.37375 | 254.70326 | 13.23067 | 0.0560618 | 0.22686414 | 2.6625155 | 20 | 5 9.8 | 18.6 |
| 93744 2000 $VM_{57}$ | 14.5 | X | 117.39512 | 119.37353 | 46.73084 | 13.42838 | 0.1094224 | 0.23006886 | 2.6377330 | 20 | 8 2.1 | 18.7 |
| 93745 2000 $VQ_{57}$ | 15.4 | X | 155.66639 | 134.98366 | 286.10216 | 2.84542 | 0.1035058 | 0.22309716 | 2.6924027 | 20 | 4 23.1 | 19.4 |
| 93746 2000 $VU_{57}$ | 15.1 | X | 214.03567 | 67.80096 | 9.79769 | 3.44779 | 0.0967585 | 0.23262033 | 2.6184097 | 20 | 7 18.9 | 19.0 |
| 93747 2000 $VG_{58}$ | 15.8 | X | 176.77470 | 123.07699 | 343.39575 | 3.85437 | 0.2237439 | 0.23042774 | 2.6349935 | 20 | 7 13.7 | 20.3 |
| 93748 2000 $VO_{61}$ | 14.3 | X | 234.09164 | 127.24935 | 358.35016 | 32.03933 | 0.2928746 | 0.23881851 | 2.5729069 | 20 | 9 20.0 | 18.1 |
| 93749 2000 $VP_{62}$ | 14.9 | X | 66.82499 | 267.16632 | 202.68294 | 8.14053 | 0.1314502 | 0.21607300 | 2.7504413 | 20 | 3 10.6 | 18.4 |
| 93750 2000 $WF_{1}$ | 14.5 | X | 110.03909 | 265.93426 | 49.03504 | 11.31633 | 0.2809185 | 0.26445276 | 2.4038313 | 20 | — | — |
| 93751 2000 $WH_{1}$ | 15.1 | X | 134.84318 | 318.34328 | 55.28087 | 25.67805 | 0.3188625 | 0.27027205 | 2.3692013 | 20 | 3 6.6 | 19.6 |
| 93752 2000 $WA_{5}$ | 14.8 | X | 322.21922 | 291.40176 | 258.88111 | 12.07475 | 0.1192778 | 0.21466203 | 2.7624805 | 20 | 1 8.1 | 18.5 |
| 93753 2000 $WO_{5}$ | 15.3 | X | 88.02974 | 157.48488 | 36.96201 | 13.56813 | 0.0196728 | 0.23234349 | 2.6204892 | 20 | 7 21.9 | 19.1 |
| 93754 2000 $WZ_{6}$ | 14.2 | X | 141.10443 | 177.60457 | 36.21941 | 10.55336 | 0.0328694 | 0.18954672 | 3.0014091 | 20 | 10 16.4 | 18.6 |
| 93755 2000 $WC_{7}$ | 13.8 | X | 225.70568 | 97.99661 | 42.46986 | 12.47570 | 0.0784831 | 0.19045249 | 2.9918853 | 20 | 10 19.9 | 18.1 |
| 93756 2000 $WZ_{8}$ | 14.7 | X | 292.49147 | 282.01194 | 107.60328 | 5.03357 | 0.2144180 | 0.23636265 | 2.5906981 | 20 | 8 9.6 | 17.4 |
| 93757 2000 $WE_{14}$ | 14.3 | X | 50.11478 | 286.23895 | 269.80871 | 8.42945 | 0.1597212 | 0.17471658 | 3.1689348 | 20 | 6 16.4 | 18.3 |
| 93758 2000 $WE_{16}$ | 15.7 | X | 194.32170 | 29.95557 | 32.16684 | 3.10573 | 0.1006546 | 0.22904969 | 2.6455517 | 20 | 6 5.0 | 19.7 |
| 93759 2000 $WK_{16}$ | 15.3 | X | 17.23333 | 41.43525 | 22.91915 | 2.31807 | 0.0581202 | 0.20446448 | 2.8535849 | 20 | — | — |
| 93760 2000 $WP_{17}$ | 15.0 | X | 160.52479 | 176.71576 | 119.57289 | 3.11589 | 0.0249068 | 0.20692767 | 2.8308944 | 20 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93761 2000 $WT_{17}$ | 15.1 | X | 305.78498 | 201.76501 | 259.67383 | 1.25663 | 0.0455983 | 0.19872578 | 2.9082600 | 20 | 12 17.5 | 18.7 |
| 93762 2000 $WB_{18}$ | 15.8 | X | 292.33555 | 282.57484 | 49.76220 | 7.80370 | 0.1969400 | 0.23409238 | 2.6074212 | 20 | 5 19.9 | 19.2 |
| 93763 2000 $WH_{19}$ | 15.0 | X | 247.30313 | 300.56761 | 149.54041 | 6.16878 | 0.2399279 | 0.23942025 | 2.5685940 | 20 | 8 24.8 | 18.7 |
| 93764 2000 $WC_{20}$ | 14.8 | X | 76.80980 | 329.85562 | 274.39770 | 10.09817 | 0.0273506 | 0.18281302 | 3.0746661 | 20 | 8 29.9 | 19.3 |
| 93765 2000 $WB_{21}$ | 15.0 | X | 157.33277 | 143.44185 | 263.46270 | 3.81200 | 0.1614959 | 0.21929299 | 2.7234509 | 20 | 4 10.3 | 19.5 |
| 93766 2000 $WL_{21}$ | 14.8 | X | 170.95982 | 52.76064 | 89.07518 | 22.92091 | 0.1102431 | 0.23631669 | 2.5910340 | 20 | 9 1.3 | 19.2 |
| 93767 2000 $WM_{21}$ | 14.7 | X | 235.37864 | 254.65052 | 215.00680 | 1.25752 | 0.1514236 | 0.18969694 | 2.9998244 | 20 | 9 10.9 | 19.1 |
| 93768 2000 $WN_{22}$ | 14.2 | X | 57.04492 | 126.30573 | 62.06730 | 24.74553 | 0.3160293 | 0.27728736 | 2.3290707 | 20 | 7 19.7 | 17.5 |
| 93769 2000 $WO_{23}$ | 15.4 | X | 149.31336 | 292.11968 | 150.34034 | 6.82150 | 0.0932486 | 0.22529820 | 2.6748385 | 20 | 5 16.2 | 19.4 |
| 93770 2000 $WX_{23}$ | 15.6 | X | 130.37922 | 58.15464 | 304.34403 | 2.84853 | 0.1096104 | 0.21281275 | 2.7784609 | 20 | 1 17.1 | 19.5 |
| 93771 2000 $WL_{24}$ | 14.9 | X | 78.98094 | 84.37075 | 93.03909 | 12.22573 | 0.1366064 | 0.22740304 | 2.6583075 | 20 | 6 30.5 | 18.3 |
| 93772 2000 $WH_{25}$ | 14.8 | X | 333.00617 | 68.35462 | 115.54367 | 7.83592 | 0.0373127 | 0.21557028 | 2.7547157 | 20 | 1 27.6 | 18.4 |
| 93773 2000 $WL_{25}$ | 15.5 | X | 215.90961 | 75.40384 | 252.84033 | 4.44025 | 0.0603544 | 0.22065731 | 2.7122133 | 20 | 2 29.9 | 19.6 |
| 93774 2000 $WV_{25}$ | 15.3 | X | 83.84860 | 255.49339 | 22.45751 | 1.98054 | 0.0522196 | 0.19468841 | 2.9483293 | 20 | 10 29.8 | 19.4 |
| 93775 2000 $WY_{25}$ | 15.8 | X | 165.81386 | 296.19330 | 109.73703 | 5.14629 | 0.1118820 | 0.22333779 | 2.6904685 | 20 | 4 18.7 | 20.0 |
| 93776 2000 $WW_{26}$ | 15.0 | X | 15.59375 | 70.62263 | 79.35980 | 14.07133 | 0.1543594 | 0.21384089 | 2.7695479 | 20 | 2 12.6 | 18.2 |
| 93777 2000 $WE_{30}$ | 15.7 | X | 123.33620 | 293.90657 | 98.92744 | 7.32219 | 0.0753074 | 0.21650170 | 2.7468093 | 20 | 2 11.9 | 19.5 |
| 93778 2000 $WN_{30}$ | 15.8 | X | 270.33846 | 197.78744 | 157.44973 | 4.61794 | 0.2283456 | 0.23412270 | 2.6071961 | 20 | 5 19.7 | 19.6 |
| 93779 2000 $WT_{30}$ | 15.4 | X | 123.13543 | 278.28492 | 140.98318 | 5.72606 | 0.0995403 | 0.21924030 | 2.7238872 | 20 | 3 18.5 | 19.3 |
| 93780 2000 $WV_{30}$ | 15.9 | X | 204.57583 | 249.04131 | 139.16439 | 4.46983 | 0.1486017 | 0.22738228 | 2.6584692 | 20 | 5 3.7 | 20.1 |
| 93781 2000 $WZ_{31}$ | 14.7 | X | 240.31017 | 2.04305 | 96.95548 | 11.78473 | 0.0587859 | 0.18954538 | 3.0014232 | 20 | 9 21.9 | 19.1 |
| 93782 2000 $WW_{32}$ | 15.0 | X | 187.31488 | 239.05461 | 91.23593 | 13.51711 | 0.0254824 | 0.21503191 | 2.7593118 | 20 | 2 5.2 | 19.0 |
| 93783 2000 $WM_{33}$ | 15.6 | X | 274.46504 | 228.76305 | 136.26355 | 5.72255 | 0.3338827 | 0.23600095 | 2.5933445 | 20 | 5 23.5 | 19.5 |
| 93784 2000 $WX_{33}$ | 14.7 | X | 224.15863 | 316.56280 | 95.86036 | 6.89950 | 0.3018651 | 0.23210305 | 2.6222987 | 20 | 6 10.4 | 19.2 |
| 93785 2000 $WZ_{33}$ | 15.5 | X | 299.06503 | 172.72090 | 184.15873 | 5.68511 | 0.1802133 | 0.23619881 | 2.5918960 | 20 | 7 7.7 | 18.6 |
| 93786 2000 $WS_{34}$ | 15.3 | X | 121.97846 | 284.93550 | 125.52109 | 5.70591 | 0.1222976 | 0.21694935 | 2.7430295 | 20 | 3 9.4 | 19.2 |
| 93787 2000 $WE_{35}$ | 14.8 | X | 105.57709 | 36.36266 | 215.05941 | 9.76143 | 0.0600180 | 0.19123288 | 2.9837402 | 20 | 10 22.3 | 19.1 |
| 93788 2000 $WH_{35}$ | 15.4 | X | 57.57206 | 195.77173 | 225.09209 | 9.97144 | 0.1297654 | 0.20874692 | 2.8144228 | 20 | — | — |
| 93789 2000 $WJ_{35}$ | 15.2 | X | 188.19319 | 331.69778 | 91.95359 | 15.56961 | 0.2477490 | 0.22785354 | 2.6548024 | 20 | 5 31.8 | 19.9 |
| 93790 2000 $WL_{37}$ | 14.8 | X | 3.10689 | 89.86148 | 81.83220 | 13.09903 | 0.1160850 | 0.21664004 | 2.7456398 | 20 | 2 22.2 | 18.2 |
| 93791 2000 $WU_{38}$ | 14.7 | X | 257.20930 | 267.87437 | 204.14414 | 9.65794 | 0.0580983 | 0.19323993 | 2.9630442 | 20 | 10 24.6 | 18.7 |
| 93792 2000 $WL_{40}$ | 15.2 | X | 184.25823 | 268.44735 | 230.73800 | 11.10237 | 0.1879350 | 0.23381482 | 2.6094843 | 20 | 8 25.5 | 19.8 |
| 93793 2000 $WL_{41}$ | 15.0 | X | 213.57386 | 197.52804 | 250.20570 | 11.17094 | 0.1563687 | 0.23036355 | 2.6354829 | 20 | 7 22.4 | 19.2 |
| 93794 2000 $WW_{42}$ | 15.4 | X | 68.32663 | 308.81266 | 99.06395 | 5.26447 | 0.1015439 | 0.21022399 | 2.8012241 | 20 | — | — |
| 93795 2000 $WB_{43}$ | 14.9 | X | 316.56400 | 101.09546 | 222.12505 | 13.20401 | 0.1112808 | 0.23419719 | 2.6066432 | 20 | 6 28.0 | 18.1 |
| 93796 2000 $WG_{43}$ | 14.5 | X | 239.69439 | 32.96710 | 87.75539 | 11.88395 | 0.0492126 | 0.19290766 | 2.9664457 | 20 | 10 20.2 | 18.8 |
| 93797 2000 $WO_{43}$ | 15.1 | X | 96.66388 | 275.83393 | 227.41889 | 13.74766 | 0.0529253 | 0.22545326 | 2.6736119 | 20 | 5 26.2 | 18.7 |
| 93798 2000 $WP_{45}$ | 15.3 | X | 233.41472 | 237.04902 | 90.56824 | 7.27217 | 0.0661069 | 0.22287991 | 2.6941520 | 20 | 3 25.4 | 19.3 |
| 93799 2000 $WN_{46}$ | 15.6 | X | 275.24695 | 277.64406 | 174.16083 | 2.98341 | 0.0832184 | 0.24421282 | 2.5348781 | 20 | 10 30.7 | 18.5 |
| 93800 2000 $WR_{46}$ | 15.5 | X | 86.31193 | 31.19064 | 80.88022 | 10.38558 | 0.1434121 | 0.21965753 | 2.7204369 | 20 | 4 19.2 | 19.2 |
| 93801 2000 $WM_{48}$ | 15.6 | X | 176.63316 | 187.71882 | 233.48981 | 6.87852 | 0.3106172 | 0.22503421 | 2.6769301 | 20 | 5 18.7 | 20.6 |
| 93802 2000 $WW_{48}$ | 14.3 | X | 277.85973 | 355.75846 | 108.47490 | 18.75002 | 0.1953876 | 0.19159480 | 2.9799815 | 20 | 10 31.5 | 18.4 |
| 93803 2000 $WL_{49}$ | 14.5 | X | 258.42323 | 133.57338 | 287.89829 | 11.44023 | 0.2432192 | 0.23393414 | 2.6085969 | 20 | 7 28.0 | 18.3 |
| 93804 2000 $WU_{49}$ | 15.6 | X | 140.81072 | 12.25967 | 111.42487 | 2.45586 | 0.1567431 | 0.22904071 | 2.6456208 | 20 | 7 1.5 | 19.6 |
| 93805 2000 $WT_{50}$ | 15.3 | X | 326.25620 | 54.03360 | 15.92927 | 1.81039 | 0.0842650 | 0.19771659 | 2.9181480 | 20 | 12 6.1 | 19.0 |
| 93806 2000 $WD_{54}$ | 15.8 | X | 293.12755 | 3.43326 | 25.03721 | 3.86043 | 0.0483335 | 0.24027154 | 2.5625233 | 20 | 9 4.3 | 18.9 |
| 93807 2000 $WF_{55}$ | 15.0 | X | 292.37889 | 341.06244 | 80.22768 | 4.87314 | 0.1803627 | 0.23844537 | 2.5755903 | 20 | 10 3.5 | 17.6 |
| 93808 2000 $WL_{55}$ | 14.8 | X | 296.03359 | 16.71655 | 90.70069 | 11.09077 | 0.0605984 | 0.19235802 | 2.9720938 | 20 | 12 9.5 | 18.6 |
| 93809 2000 $WK_{56}$ | 15.2 | X | 262.98176 | 93.57689 | 240.11542 | 12.75384 | 0.1594514 | 0.23002892 | 2.6380382 | 20 | 4 18.7 | 19.3 |
| 93810 2000 $WB_{57}$ | 15.0 | X | 173.86021 | 240.15515 | 242.19835 | 3.40264 | 0.1920860 | 0.23150044 | 2.6268474 | 20 | 7 29.8 | 19.5 |
| 93811 2000 $WV_{57}$ | 15.2 | X | 215.60609 | 36.05531 | 80.91785 | 5.55582 | 0.1835093 | 0.23739012 | 2.5832174 | 20 | 9 4.2 | 19.2 |
| 93812 2000 $WH_{59}$ | 14.4 | X | 224.01629 | 128.12956 | 257.01377 | 10.84522 | 0.1440930 | 0.22709052 | 2.6607458 | 20 | 5 16.6 | 18.6 |
| 93813 2000 $WB_{60}$ | 14.9 | X | 248.86140 | 96.71364 | 262.92312 | 11.43207 | 0.2066534 | 0.22789676 | 2.6544667 | 20 | 5 1.9 | 19.1 |
| 93814 2000 $WJ_{60}$ | 13.9 | X | 245.65570 | 342.55887 | 101.61777 | 10.59841 | 0.0563709 | 0.18596022 | 3.0398770 | 20 | 9 8.0 | 18.3 |
| 93815 2000 $WM_{60}$ | 14.8 | X | 135.84159 | 291.47347 | 104.82839 | 10.72249 | 0.1926589 | 0.21673111 | 2.7448706 | 20 | 3 17.2 | 19.2 |
| 93816 2000 $WJ_{61}$ | 14.5 | X | 120.66835 | 128.13025 | 273.52635 | 8.64186 | 0.2003321 | 0.21424259 | 2.7660850 | 20 | 2 29.6 | 18.9 |
| 93817 2000 $WQ_{61}$ | 14.1 | X | 189.35740 | 11.23124 | 100.27415 | 12.49588 | 0.0899743 | 0.17879811 | 3.1205233 | 20 | 8 2.0 | 18.9 |
| 93818 2000 $WL_{62}$ | 14.7 | X | 140.57298 | 343.83165 | 116.42164 | 13.14099 | 0.1253750 | 0.22661902 | 2.6644351 | 20 | 6 1.7 | 18.9 |
| 93819 2000 $WG_{69}$ | 15.0 | X | 33.88280 | 23.97768 | 275.86158 | 11.37069 | 0.1726867 | 0.24523736 | 2.5278131 | 20 | 10 16.6 | 18.4 |
| 93820 2000 $WN_{70}$ | 14.9 | X | 143.49087 | 189.52472 | 258.40228 | 11.36936 | 0.1208068 | 0.22636553 | 2.6664238 | 20 | 5 15.9 | 19.0 |
| 93821 2000 $WF_{71}$ | 14.0 | X | 333.57573 | 223.38347 | 302.94090 | 7.67712 | 0.1676564 | 0.21195631 | 2.7859404 | 20 | — | — |
| 93822 2000 $WR_{71}$ | 15.5 | X | 167.06790 | 308.74213 | 358.79595 | 7.99189 | 0.1367048 | 0.21260674 | 2.7802554 | 20 | — | — |
| 93823 2000 $WU_{72}$ | 15.5 | X | 150.50263 | 12.54412 | 321.18768 | 3.96767 | 0.0770561 | 0.21330653 | 2.7741713 | 20 | — | — |
| 93824 2000 $WW_{72}$ | 16.1 | X | 208.96520 | 15.72968 | 335.39050 | 4.08150 | 0.1710902 | 0.22515504 | 2.6759722 | 20 | 3 19.9 | 20.6 |
| 93825 2000 $WA_{74}$ | 14.8 | X | 232.17345 | 280.85744 | 292.19409 | 3.72370 | 0.0504321 | 0.20604050 | 2.8390148 | 20 | — | — |
| 93826 2000 $WG_{74}$ | 14.9 | X | 356.71144 | 65.59124 | 15.86008 | 6.24528 | 0.0329922 | 0.20498586 | 2.8487442 | 20 | — | — |
| 93827 2000 $WR_{75}$ | 15.7 | X | 138.83822 | 34.79535 | 322.01295 | 4.40269 | 0.1299443 | 0.21456442 | 2.7633183 | 20 | 1 22.1 | 19.6 |
| 93828 2000 $WJ_{76}$ | 15.5 | X | 10.06862 | 67.17457 | 291.41780 | 2.33592 | 0.1479918 | 0.24753198 | 2.5121670 | 20 | 12 1.6 | 18.3 |
| 93829 2000 $WZ_{76}$ | 14.8 | X | 131.28179 | 259.79036 | 293.16777 | 4.26331 | 0.0884078 | 0.18815739 | 3.0161657 | 20 | 9 8.7 | 19.3 |
| 93830 2000 $WE_{77}$ | 14.6 | X | 4.86509 | 26.89070 | 306.41146 | 5.03308 | 0.1276245 | 0.24321407 | 2.5418129 | 20 | 10 11.9 | 17.4 |
| 93831 2000 $WL_{77}$ | 15.0 | X | 37.07876 | 99.28003 | 25.78754 | 7.81776 | 0.0838916 | 0.21529839 | 2.7570345 | 20 | 2 13.9 | 18.4 |
| 93832 2000 $WU_{77}$ | 14.1 | X | 330.53443 | 259.79588 | 45.05783 | 15.73413 | 0.0162968 | 0.18154106 | 3.0890111 | 20 | 7 2.2 | 18.6 |
| 93833 2000 $WL_{78}$ | 15.4 | X | 40.78654 | 75.12571 | 24.14962 | 4.63170 | 0.0272100 | 0.21285459 | 2.7780968 | 20 | 1 12.8 | 19.0 |
| 93834 2000 $WR_{79}$ | 15.4 | X | 159.04268 | 34.44312 | 335.56410 | 1.95861 | 0.0881157 | 0.21812990 | 2.7331235 | 20 | 2 23.5 | 19.3 |
| 93835 2000 $WG_{80}$ | 15.3 | X | 276.91191 | 15.41283 | 54.58291 | 16.42907 | 0.0818687 | 0.24172432 | 2.5522457 | 20 | 10 10.1 | 18.6 |
| 93836 2000 $WO_{80}$ | 15.4 | X | 161.99871 | 169.33859 | 286.05090 | 4.56514 | 0.0795183 | 0.22847299 | 2.6500016 | 20 | 6 13.4 | 19.2 |
| 93837 2000 $WW_{82}$ | 15.4 | X | 260.16167 | 132.49457 | 285.98053 | 3.12348 | 0.2690564 | 0.23748184 | 2.5825522 | 20 | 7 24.1 | 19.0 |
| 93838 2000 $WA_{84}$ | 15.6 | X | 246.48200 | 349.08691 | 29.56368 | 3.78427 | 0.1141799 | 0.23181384 | 2.6244793 | 20 | 6 4.9 | 19.3 |
| 93839 2000 $WW_{84}$ | 15.4 | X | 164.92907 | 346.47972 | 48.16944 | 6.51716 | 0.0189934 | 0.22066130 | 2.7121806 | 20 | 3 29.3 | 19.2 |
| 93840 2000 $WT_{85}$ | 15.8 | X | 32.59393 | 30.54471 | 11.08229 | 1.90080 | 0.0707912 | 0.20280044 | 2.8691734 | 20 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93841 2000 $WJ_{87}$ | 14.2 | X | 282.16618 | 346.77336 | 74.61759 | 7.72805 | 0.0994806 | 0.18717414 | 3.0267194 | 20 | 9 20.7 | 18.3 |
| 93842 2000 $WU_{87}$ | 14.5 | X | 168.12025 | 298.31646 | 86.88108 | 14.13436 | 0.1738545 | 0.21756498 | 2.7378526 | 20 | 4 3.5 | 19.2 |
| 93843 2000 $WS_{89}$ | 15.0 | X | 315.78407 | 23.52328 | 50.81924 | 2.67648 | 0.0719991 | 0.19696760 | 2.9255410 | 20 | 11 25.9 | 18.7 |
| 93844 2000 $WC_{90}$ | 15.1 | X | 0.11843 | 70.13190 | 4.65202 | 1.70396 | 0.0509002 | 0.20295573 | 2.8677096 | 20 | — | — |
| 93845 2000 $WF_{90}$ | 15.3 | X | 194.39925 | 315.58107 | 50.47407 | 5.16820 | 0.1223675 | 0.22235690 | 2.6983751 | 20 | 3 28.4 | 19.5 |
| 93846 2000 $WW_{91}$ | 15.4 | X | 40.82650 | 115.29801 | 38.48107 | 2.62083 | 0.0211842 | 0.22016234 | 2.7162768 | 20 | 3 21.3 | 19.0 |
| 93847 2000 $WF_{92}$ | 15.3 | X | 140.05695 | 338.36721 | 59.19951 | 3.88484 | 0.1173303 | 0.21850761 | 2.7299729 | 20 | 3 12.7 | 19.3 |
| 93848 2000 $WX_{92}$ | 15.3 | X | 210.91863 | 17.88182 | 253.37602 | 11.44480 | 0.1030193 | 0.20956570 | 2.8070872 | 20 | — | — |
| 93849 2000 $WZ_{93}$ | 14.9 | X | 118.60091 | 310.60860 | 72.44204 | 12.58534 | 0.0618552 | 0.21244123 | 2.7816993 | 20 | 1 23.9 | 18.9 |
| 93850 2000 $WJ_{94}$ | 15.3 | X | 161.64115 | 136.05195 | 295.29199 | 1.19378 | 0.0606071 | 0.22453292 | 2.6809129 | 20 | 5 11.3 | 19.0 |
| 93851 2000 $WE_{96}$ | 14.3 | X | 242.86810 | 64.21192 | 67.28531 | 11.04516 | 0.0521824 | 0.19279686 | 2.9675821 | 20 | 11 2.9 | 18.5 |
| 93852 2000 $WS_{96}$ | 15.4 | X | 162.38891 | 309.57714 | 88.54952 | 5.03145 | 0.1999619 | 0.22128079 | 2.7071162 | 20 | 4 9.9 | 20.0 |
| 93853 2000 $WW_{96}$ | 14.9 | X | 83.10292 | 327.93399 | 81.40196 | 5.15829 | 0.0369427 | 0.20977411 | 2.8052277 | 20 | 1 6.7 | 18.6 |
| 93854 2000 $WH_{97}$ | 14.1 | X | 239.11454 | 213.65132 | 274.16538 | 9.04524 | 0.0639330 | 0.19122373 | 2.9838354 | 20 | 10 16.2 | 18.5 |
| 93855 2000 $WU_{97}$ | 14.7 | X | 246.58612 | 105.78184 | 266.78902 | 12.31048 | 0.1367121 | 0.22892751 | 2.6464929 | 20 | 5 25.3 | 18.6 |
| 93856 2000 $WL_{99}$ | 15.0 | X | 175.04288 | 125.65732 | 25.93560 | 1.10774 | 0.1196783 | 0.18560422 | 3.0437629 | 20 | 9 4.6 | 19.8 |
| 93857 2000 $WV_{102}$ | 15.0 | X | 224.68667 | 270.20161 | 98.10821 | 13.70787 | 0.0658919 | 0.22704379 | 2.6611108 | 20 | 5 7.7 | 19.0 |
| 93858 2000 $WJ_{103}$ | 14.9 | X | 249.26280 | 218.23003 | 110.98970 | 12.98924 | 0.2037018 | 0.22625884 | 2.6672620 | 20 | 4 3.4 | 19.4 |
| 93859 2000 $WM_{109}$ | 14.6 | X | 249.13720 | 359.60080 | 51.62010 | 14.69608 | 0.0878328 | 0.23494890 | 2.6010803 | 20 | 7 31.3 | 18.4 |
| 93860 2000 $WH_{110}$ | 14.6 | X | 1.44335 | 207.40264 | 50.58364 | 14.26346 | 0.1293857 | 0.22895194 | 2.6463046 | 20 | 6 13.5 | 17.5 |
| 93861 2000 $WP_{111}$ | 14.6 | X | 224.12084 | 229.93507 | 275.09951 | 9.68864 | 0.0518314 | 0.19300773 | 2.9654203 | 20 | 10 21.6 | 19.0 |
| 93862 2000 $WD_{113}$ | 14.8 | X | 232.42911 | 94.20484 | 269.89219 | 12.91117 | 0.1890408 | 0.22805986 | 2.6532010 | 20 | 4 21.6 | 19.3 |
| 93863 2000 $WL_{113}$ | 14.5 | X | 177.49860 | 182.97857 | 270.29982 | 12.14477 | 0.0318755 | 0.17874906 | 3.1210941 | 20 | 6 26.7 | 19.0 |
| 93864 2000 $WS_{113}$ | 14.8 | X | 356.92642 | 315.29398 | 48.48036 | 11.17947 | 0.1108055 | 0.19346826 | 2.9607124 | 20 | 10 31.0 | 18.3 |
| 93865 2000 $WV_{113}$ | 15.1 | X | 251.60033 | 184.50218 | 22.07333 | 6.26927 | 0.0087862 | 0.20540294 | 2.8448865 | 20 | — | — |
| 93866 2000 $WK_{115}$ | 14.7 | X | 279.35358 | 145.48995 | 279.36168 | 10.94688 | 0.0379589 | 0.18952373 | 3.0016519 | 20 | 9 19.3 | 19.0 |
| 93867 2000 $WQ_{115}$ | 14.4 | X | 282.50586 | 260.69310 | 60.36514 | 15.32056 | 0.1234122 | 0.22721553 | 2.6597698 | 20 | 5 5.9 | 18.0 |
| 93868 2000 $WL_{116}$ | 14.1 | X | 106.55633 | 322.56871 | 68.68774 | 14.09036 | 0.0805442 | 0.21096499 | 2.7946609 | 20 | 1 22.1 | 18.1 |
| 93869 2000 $WZ_{119}$ | 14.0 | X | 127.85987 | 60.92939 | 76.21076 | 13.17074 | 0.1207439 | 0.22519898 | 2.6756241 | 20 | 7 2.7 | 18.0 |
| 93870 2000 $WW_{120}$ | 15.3 | X | 104.85624 | 2.60595 | 69.78935 | 12.20444 | 0.3169560 | 0.21548822 | 2.7554151 | 20 | 4 14.4 | 19.7 |
| 93871 2000 $WZ_{120}$ | 14.3 | X | 264.79782 | 309.07179 | 82.86688 | 15.22933 | 0.1920058 | 0.23160902 | 2.6260263 | 20 | 7 4.8 | 17.9 |
| 93872 2000 $WB_{122}$ | 15.4 | X | 24.79518 | 239.87327 | 222.94455 | 0.93778 | 0.0578292 | 0.20954296 | 2.8072904 | 20 | — | — |
| 93873 2000 $WC_{122}$ | 15.5 | X | 56.70360 | 13.25345 | 75.00059 | 5.45370 | 0.0364044 | 0.21224381 | 2.7834239 | 20 | 1 20.8 | 19.2 |
| 93874 2000 $WX_{124}$ | 15.8 | X | 147.98714 | 312.91234 | 115.08893 | 13.76369 | 0.2429302 | 0.22409615 | 2.6843952 | 20 | 5 9.2 | 20.6 |
| 93875 2000 $WW_{125}$ | 14.9 | X | 269.82164 | 85.61255 | 267.51637 | 13.41608 | 0.1198811 | 0.23290898 | 2.6162459 | 20 | 5 30.2 | 18.6 |
| 93876 2000 $WZ_{125}$ | 15.4 | X | 120.67651 | 36.24674 | 13.46285 | 10.33516 | 0.0939804 | 0.21846832 | 2.7303002 | 20 | 3 4.6 | 19.2 |
| 93877 2000 $WS_{127}$ | 15.5 | X | 278.02324 | 152.56974 | 247.42779 | 2.89965 | 0.0724048 | 0.23675912 | 2.5878052 | 20 | 8 21.8 | 18.7 |
| 93878 2000 $WK_{128}$ | 15.4 | X | 70.49804 | 241.53244 | 238.66575 | 3.92400 | 0.0655851 | 0.21956476 | 2.7212031 | 20 | 3 20.5 | 19.0 |
| 93879 2000 $WQ_{128}$ | 15.4 | X | 54.89846 | 249.95863 | 69.44988 | 3.07639 | 0.1075713 | 0.19694413 | 2.9257734 | 20 | 11 23.5 | 19.5 |
| 93880 2000 $WV_{128}$ | 15.9 | X | 73.31725 | 140.87242 | 265.06269 | 3.25925 | 0.0692020 | 0.21142959 | 2.7905654 | 20 | — | — |
| 93881 2000 $WJ_{129}$ | 15.6 | X | 37.76688 | 104.55403 | 300.83859 | 0.88443 | 0.0842851 | 0.20600015 | 2.8393855 | 20 | — | — |
| 93882 2000 $WA_{130}$ | 14.4 | X | 71.61562 | 181.89504 | 265.49067 | 12.47423 | 0.1167901 | 0.21157932 | 2.7892487 | 20 | 2 12.2 | 18.1 |
| 93883 2000 $WN_{130}$ | 15.3 | X | 249.25609 | 259.48354 | 96.89649 | 13.24383 | 0.2068372 | 0.23270963 | 2.6177398 | 20 | 5 5.5 | 19.6 |
| 93884 2000 $WZ_{130}$ | 15.4 | X | 216.43727 | 237.99033 | 69.35180 | 7.77045 | 0.1461401 | 0.21839941 | 2.7308745 | 20 | 2 7.9 | 19.9 |
| 93885 2000 $WO_{132}$ | 14.4 | X | 246.20479 | 34.38777 | 287.10785 | 13.33344 | 0.1198544 | 0.22592935 | 2.6698546 | 20 | 3 15.4 | 18.7 |
| 93886 2000 $WB_{135}$ | 15.8 | X | 213.16339 | 120.60371 | 286.16815 | 7.83327 | 0.0976330 | 0.23053110 | 2.6342058 | 20 | 6 5.8 | 19.8 |
| 93887 2000 $WY_{135}$ | 15.5 | X | 171.95850 | 343.18133 | 121.72480 | 5.95972 | 0.1297261 | 0.23161553 | 2.6259771 | 20 | 7 7.2 | 19.6 |
| 93888 2000 $WP_{136}$ | 15.7 | X | 280.02887 | 349.21292 | 353.16439 | 2.69184 | 0.0200350 | 0.23114285 | 2.6295559 | 20 | 6 14.2 | 19.1 |
| 93889 2000 $WQ_{136}$ | 15.4 | X | 293.78129 | 18.15253 | 352.61664 | 2.50805 | 0.0759750 | 0.23746095 | 2.5827037 | 20 | 8 6.2 | 18.5 |
| 93890 2000 $WV_{136}$ | 15.9 | X | 110.82183 | 136.15336 | 338.53343 | 3.50513 | 0.1801514 | 0.22344030 | 2.6896455 | 20 | 5 21.4 | 19.9 |
| 93891 2000 $WB_{137}$ | 14.9 | X | 267.15955 | 185.01399 | 204.17738 | 13.11291 | 0.0957770 | 0.23519776 | 2.5992453 | 20 | 7 16.3 | 18.6 |
| 93892 2000 $WF_{141}$ | 14.1 | X | 158.50430 | 86.78359 | 45.71970 | 17.38419 | 0.2128864 | 0.17632970 | 3.1495782 | 20 | 8 2.2 | 19.8 |
| 93893 2000 $WL_{141}$ | 14.1 | X | 41.37420 | 27.75367 | 38.08420 | 11.45077 | 0.1226625 | 0.20406793 | 2.8572805 | 20 | — | — |
| 93894 2000 $WM_{141}$ | 13.8 | X | 318.25266 | 302.41662 | 71.04362 | 16.99590 | 0.2338992 | 0.23773332 | 2.5807307 | 20 | 9 18.9 | 16.4 |
| 93895 2000 $WX_{141}$ | 15.5 | X | 268.59144 | 3.91552 | 79.30118 | 20.60094 | 0.2672004 | 0.24295530 | 2.5436175 | 20 | 9 20.6 | 19.2 |
| 93896 2000 $WY_{141}$ | 15.6 | X | 150.99939 | 310.65305 | 114.00608 | 12.23606 | 0.1647457 | 0.22513929 | 2.6760970 | 20 | 5 3.0 | 20.1 |
| 93897 2000 $WD_{143}$ | 15.1 | X | 265.10012 | 259.67259 | 156.37820 | 13.68806 | 0.1805115 | 0.23825034 | 2.5769957 | 20 | 8 8.4 | 18.7 |
| 93898 2000 $WO_{143}$ | 15.0 | X | 111.30521 | 62.84048 | 332.10967 | 8.22423 | 0.2039520 | 0.21092119 | 2.7950478 | 20 | 2 16.9 | 19.0 |
| 93899 2000 $WL_{145}$ | 15.4 | X | 147.43419 | 320.27567 | 166.26979 | 15.32856 | 0.1130569 | 0.23161958 | 2.6259465 | 20 | 7 8.8 | 19.7 |
| 93900 2000 $WS_{146}$ | 16.8 | X | 156.94589 | 271.91395 | 117.62276 | 3.44046 | 0.2247645 | 0.22171491 | 2.7035814 | 20 | 3 26.5 | 21.3 |
| 93901 2000 $WN_{147}$ | 15.4 | X | 241.83905 | 258.86337 | 57.37832 | 3.37750 | 0.2021238 | 0.22416188 | 2.6838704 | 20 | 3 7.8 | 19.8 |
| 93902 2000 $WT_{148}$ | 15.4 | X | 196.50498 | 203.12658 | 179.56297 | 9.83500 | 0.0796440 | 0.22536042 | 2.6743462 | 20 | 4 20.3 | 19.4 |
| 93903 2000 $WT_{149}$ | 15.1 | X | 289.13228 | 350.48373 | 228.75619 | 11.03512 | 0.0964487 | 0.21560651 | 2.7544071 | 20 | 1 6.1 | 19.2 |
| 93904 2000 $WY_{150}$ | 15.0 | X | 168.84047 | 33.66571 | 54.98254 | 22.63466 | 0.0384684 | 0.22704500 | 2.6611014 | 20 | 6 7.9 | 18.9 |
| 93905 2000 $WX_{151}$ | 15.5 | X | 250.31162 | 155.86847 | 204.53076 | 12.80289 | 0.1833682 | 0.23090459 | 2.6313645 | 20 | 5 10.1 | 19.6 |
| 93906 2000 $WJ_{153}$ | 14.0 | X | 280.21449 | 38.67725 | 276.19865 | 10.79997 | 0.0430831 | 0.17180318 | 3.2046597 | 20 | 5 3.6 | 18.6 |
| 93907 2000 $WW_{153}$ | 15.0 | X | 118.66535 | 28.58904 | 269.05007 | 13.98802 | 0.1365279 | 0.25609726 | 2.4558364 | 20 | — | — |
| 93908 2000 $WE_{154}$ | 15.4 | X | 108.44814 | 101.78708 | 322.24785 | 8.35728 | 0.1471609 | 0.21856727 | 2.7294761 | 20 | 3 9.5 | 19.3 |
| 93909 2000 $WF_{154}$ | 15.2 | X | 263.96728 | 311.94658 | 8.55393 | 10.30506 | 0.0980289 | 0.22787616 | 2.6546266 | 20 | 4 11.3 | 18.8 |
| 93910 2000 $WZ_{155}$ | 14.6 | X | 294.59058 | 357.25476 | 282.20314 | 11.00434 | 0.1632138 | 0.22473592 | 2.6792982 | 20 | 3 13.1 | 18.5 |
| 93911 2000 $WF_{156}$ | 13.8 | X | 274.25006 | 84.07262 | 268.82845 | 18.16231 | 0.0252541 | 0.17951118 | 3.1122541 | 20 | 6 18.8 | 18.2 |
| 93912 2000 $WE_{157}$ | 15.6 | X | 211.38845 | 63.58197 | 29.43161 | 6.28115 | 0.2450569 | 0.23166412 | 2.6256099 | 20 | 7 25.7 | 20.1 |
| 93913 2000 $WO_{157}$ | 14.0 | X | 139.07461 | 31.62727 | 49.15417 | 9.84598 | 0.1451026 | 0.21940486 | 2.7225251 | 20 | 5 5.5 | 18.1 |
| 93914 2000 $WV_{157}$ | 14.3 | X | 125.12078 | 62.53657 | 49.54859 | 9.81524 | 0.2069594 | 0.22024165 | 2.7156247 | 20 | 6 4.1 | 18.7 |
| 93915 2000 $WX_{157}$ | 13.6 | X | 234.50405 | 96.43792 | 68.78646 | 12.86284 | 0.1479038 | 0.19055158 | 2.9908481 | 20 | 11 19.1 | 17.8 |
| 93916 2000 $WG_{158}$ | 14.5 | X | 181.41182 | 324.31704 | 68.08684 | 16.83163 | 0.2172227 | 0.21939531 | 2.7226041 | 20 | 4 23.0 | 19.3 |
| 93917 2000 $WV_{158}$ | 15.3 | X | 104.66539 | 284.49585 | 176.25519 | 9.26339 | 0.1656949 | 0.22037305 | 2.7145451 | 20 | 4 27.9 | 19.2 |
| 93918 2000 $WW_{159}$ | 15.0 | X | 198.70962 | 216.34190 | 76.96747 | 12.98637 | 0.1427055 | 0.21389135 | 2.7691123 | 20 | 1 4.8 | 19.5 |
| 93919 2000 $WJ_{160}$ | 15.3 | X | 148.68837 | 248.60807 | 117.72852 | 7.04255 | 0.1104179 | 0.21633757 | 2.7481984 | 20 | 2 11.2 | 19.3 |
| 93920 2000 $WN_{160}$ | 15.7 | X | 183.47315 | 330.39604 | 35.65137 | 5.55729 | 0.0644430 | 0.22157147 | 2.7047481 | 20 | 3 16.5 | 19.6 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 93921 2000 $WQ_{160}$ | 15.1 | X | 330.70163 | 51.19955 | 245.44438 | 12.30061 | 0.1504688 | 0.23354394 | 2.6115017 | 20 | 6 11.4 | 17.7 |
| 93922 2000 $WF_{161}$ | 14.3 | X | 293.17148 | 70.26981 | 138.66579 | 11.84575 | 0.1184489 | 0.21188994 | 2.7865221 | 20 | — | — |
| 93923 2000 $WM_{161}$ | 15.2 | X | 191.17406 | 268.25968 | 148.57513 | 9.14779 | 0.0769650 | 0.22823842 | 2.6518170 | 20 | 5 28.8 | 19.3 |
| 93924 2000 $WO_{161}$ | 15.2 | X | 204.04831 | 317.27982 | 94.13223 | 14.64338 | 0.1745931 | 0.22966188 | 2.6408482 | 20 | 5 31.7 | 19.5 |
| 93925 2000 $WC_{162}$ | 15.8 | X | 132.84649 | 287.28179 | 151.87489 | 10.70311 | 0.1452048 | 0.22267398 | 2.6958128 | 20 | 4 30.3 | 20.1 |
| 93926 2000 $WF_{162}$ | 15.1 | X | 207.09004 | 191.01069 | 189.51227 | 14.73163 | 0.1020564 | 0.22611502 | 2.6683929 | 20 | 4 28.3 | 19.2 |
| 93927 2000 $WW_{162}$ | 14.5 | X | 51.93102 | 299.67658 | 163.49095 | 9.23856 | 0.1224440 | 0.21355333 | 2.7720336 | 20 | 2 6.9 | 17.8 |
| 93928 2000 $WA_{163}$ | 15.5 | X | 93.08183 | 208.82680 | 134.37606 | 3.01942 | 0.1019985 | 0.20537871 | 2.8451103 | 20 | — | — |
| 93929 2000 $WM_{163}$ | 14.9 | X | 266.96493 | 169.33664 | 52.87029 | 10.10145 | 0.0892187 | 0.21057019 | 2.7981530 | 20 | — | — |
| 93930 2000 $WE_{164}$ | 15.2 | X | 94.13625 | 319.46072 | 64.53399 | 3.31160 | 0.0470248 | 0.20892504 | 2.8128229 | 20 | — | — |
| 93931 2000 $WY_{164}$ | 15.1 | X | 145.50670 | 270.17847 | 105.04011 | 14.03023 | 0.1108792 | 0.21702406 | 2.7423999 | 20 | 2 21.1 | 19.3 |
| 93932 2000 $WL_{165}$ | 14.9 | X | 249.80034 | 279.63205 | 89.94905 | 15.74284 | 0.1357357 | 0.23214271 | 2.6220000 | 20 | 5 28.2 | 18.8 |
| 93933 2000 $WC_{166}$ | 15.4 | X | 76.94469 | 266.86654 | 117.38971 | 4.86542 | 0.0911250 | 0.20871825 | 2.8146804 | 20 | — | — |
| 93934 2000 $WC_{167}$ | 15.7 | X | 160.71818 | 221.77248 | 148.44312 | 2.71079 | 0.1766317 | 0.22037772 | 2.7145068 | 20 | 3 2.7 | 19.9 |
| 93935 2000 $WE_{168}$ | 14.8 | X | 296.04679 | 276.56218 | 143.71604 | 15.41224 | 0.1112419 | 0.24446512 | 2.5331337 | 20 | 10 22.1 | 17.9 |
| 93936 2000 $WH_{170}$ | 15.5 | X | 2.76653 | 335.55020 | 295.10631 | 6.88544 | 0.0638634 | 0.23358541 | 2.6111926 | 20 | 7 5.2 | 18.5 |
| 93937 2000 $WM_{170}$ | 15.4 | X | 68.74453 | 96.92111 | 275.50578 | 5.02956 | 0.0833545 | 0.20625427 | 2.8370528 | 20 | — | — |
| 93938 2000 $WH_{171}$ | 15.4 | X | 109.17302 | 132.69016 | 266.18197 | 1.45248 | 0.1950485 | 0.21392298 | 2.7688393 | 20 | 2 16.8 | 19.3 |
| 93939 2000 $WO_{171}$ | 14.8 | X | 294.37408 | 195.87076 | 91.52233 | 15.83436 | 0.1141995 | 0.22894544 | 2.6463547 | 20 | 4 14.6 | 18.6 |
| 93940 2000 $WW_{171}$ | 14.8 | X | 185.71875 | 317.73176 | 94.18052 | 15.60285 | 0.0902295 | 0.22838334 | 2.6506950 | 20 | 5 18.5 | 19.0 |
| 93941 2000 $WF_{172}$ | 15.0 | X | 181.59289 | 212.17106 | 195.63686 | 21.61191 | 0.0330789 | 0.22768088 | 2.6561443 | 20 | 5 5.6 | 18.9 |
| 93942 2000 $WK_{172}$ | 14.2 | X | 113.21140 | 24.47379 | 97.85629 | 22.57032 | 0.0382479 | 0.22678521 | 2.6631333 | 20 | 5 24.0 | 18.1 |
| 93943 2000 $WR_{172}$ | 13.8 | X | 115.24116 | 321.40937 | 167.57483 | 15.86530 | 0.1504186 | 0.17316299 | 3.1878606 | 20 | 6 12.2 | 19.0 |
| 93944 2000 $WV_{172}$ | 14.9 | X | 108.19958 | 288.27777 | 108.53841 | 24.95090 | 0.2325809 | 0.21500390 | 2.7595514 | 20 | 2 23.3 | 19.2 |
| 93945 2000 $WC_{174}$ | 14.5 | X | 217.00900 | 336.95677 | 156.57645 | 11.30103 | 0.0799466 | 0.19177924 | 2.9780706 | 20 | 10 1.6 | 18.9 |
| 93946 2000 $WW_{174}$ | 15.9 | X | 307.82168 | 201.34114 | 161.05545 | 9.61144 | 0.2026980 | 0.23925559 | 2.5697723 | 20 | 7 28.6 | 18.6 |
| 93947 2000 $WQ_{175}$ | 15.3 | X | 140.32166 | 314.95923 | 129.36110 | 8.62063 | 0.2237510 | 0.22341481 | 2.6898501 | 20 | 5 18.9 | 19.9 |
| 93948 2000 $WK_{177}$ | 15.3 | X | 132.49631 | 337.65656 | 93.43978 | 6.85096 | 0.0687548 | 0.22185281 | 2.7024610 | 20 | 4 11.5 | 19.2 |
| 93949 2000 $WZ_{178}$ | 15.1 | X | 244.34328 | 149.23604 | 273.19027 | 8.78013 | 0.1179792 | 0.23277252 | 2.6172683 | 20 | 7 29.2 | 18.9 |
| 93950 2000 $WB_{179}$ | 14.7 | X | 330.63117 | 170.69974 | 196.21189 | 21.98432 | 0.0332190 | 0.24005577 | 2.5640587 | 20 | 9 28.5 | 17.8 |
| 93951 2000 $WT_{179}$ | 14.7 | X | 213.34539 | 189.12251 | 253.97497 | 13.95013 | 0.2248684 | 0.22841119 | 2.6504796 | 20 | 7 11.7 | 19.2 |
| 93952 2000 $WK_{181}$ | 15.1 | X | 336.99398 | 284.17447 | 3.82256 | 14.79040 | 0.0969456 | 0.23289253 | 2.6163691 | 20 | 6 13.6 | 18.4 |
| 93953 2000 $WY_{181}$ | 15.9 | X | 206.97435 | 219.65665 | 165.14692 | 12.60052 | 0.1910584 | 0.22793988 | 2.6541319 | 20 | 5 1.8 | 20.5 |
| 93954 2000 $WQ_{182}$ | 15.1 | X | 152.90337 | 250.06356 | 187.10861 | 21.72185 | 0.0599928 | 0.22746168 | 2.6578506 | 20 | 5 11.4 | 19.2 |
| 93955 2000 $WT_{183}$ | 14.6 | X | 219.25030 | 173.16786 | 317.96341 | 9.00579 | 0.0513149 | 0.19211008 | 2.9746505 | 20 | 9 27.9 | 19.1 |
| 93956 2000 $WM_{184}$ | 15.0 | X | 76.81162 | 36.40212 | 84.48273 | 13.64968 | 0.0627260 | 0.22081031 | 2.7109603 | 20 | 4 8.4 | 18.8 |
| 93957 2000 $WM_{186}$ | 14.2 | X | 72.84471 | 98.87034 | 118.90034 | 18.35497 | 0.1018511 | 0.17715186 | 3.1398260 | 20 | 8 7.5 | 18.6 |
| 93958 2000 $WP_{187}$ | 14.6 | X | 79.97915 | 186.37189 | 344.01021 | 12.05273 | 0.0735388 | 0.22973735 | 2.6402698 | 20 | 6 11.5 | 18.3 |
| 93959 2000 $WR_{187}$ | 15.2 | X | 201.91526 | 256.40145 | 342.22312 | 9.39975 | 0.0743236 | 0.25772301 | 2.4454977 | 20 | — | — |
| 93960 2000 $WE_{191}$ | 15.2 | X | 70.78016 | 314.12458 | 107.88827 | 11.29753 | 0.2897431 | 0.21297139 | 2.7770809 | 20 | 2 11.2 | 18.3 |
| 93961 2000 $WF_{191}$ | 15.1 | X | 87.96220 | 321.33680 | 114.57724 | 10.42177 | 0.0971085 | 0.21792504 | 2.7348361 | 20 | 2 25.3 | 18.7 |
| 93962 2000 $WG_{192}$ | 15.0 | X | 240.40701 | 264.31235 | 120.79564 | 14.04035 | 0.0589829 | 0.23186372 | 2.6241028 | 20 | 6 15.3 | 18.8 |
| 93963 2000 $XE$ | 15.6 | X | 192.60249 | 293.01357 | 117.57769 | 12.56114 | 0.1927001 | 0.23065392 | 2.6332706 | 20 | 5 21.6 | 20.2 |
| 93964 2000 $XL_{2}$ | 16.0 | X | 316.73877 | 281.34360 | 105.09466 | 6.71256 | 0.3024744 | 0.24440367 | 2.5335583 | 20 | 9 22.7 | 17.5 |
| 93965 2000 $XL_{3}$ | 14.6 | X | 26.71124 | 3.31262 | 292.52037 | 13.08728 | 0.1752026 | 0.24187447 | 2.5511894 | 20 | 9 26.8 | 17.9 |
| 93966 2000 $XU_{3}$ | 15.0 | X | 110.06597 | 85.69619 | 332.50715 | 8.50980 | 0.1232871 | 0.21748394 | 2.7385327 | 20 | 3 2.4 | 18.6 |
| 93967 2000 $XA_{4}$ | 14.8 | X | 147.39325 | 302.08055 | 16.91740 | 13.84920 | 0.1107410 | 0.20994223 | 2.8037299 | 20 | — | — |
| 93968 2000 $XO_{5}$ | 14.4 | X | 188.91519 | 179.07402 | 282.11230 | 12.67688 | 0.0231106 | 0.23334365 | 2.6129959 | 20 | 7 22.8 | 17.9 |
| 93969 2000 $XQ_{5}$ | 14.3 | X | 285.64801 | 40.45103 | 279.49611 | 14.02259 | 0.1082003 | 0.22899458 | 2.6459761 | 20 | 5 4.9 | 18.1 |
| 93970 2000 $XR_{6}$ | 15.1 | X | 213.19096 | 316.70168 | 44.24669 | 13.41621 | 0.1927944 | 0.22468926 | 2.6796691 | 20 | 4 8.8 | 19.6 |
| 93971 2000 $XS_{6}$ | 14.5 | X | 65.62398 | 27.17473 | 42.99570 | 9.32973 | 0.2737409 | 0.21129740 | 2.7917291 | 20 | 2 13.1 | 17.6 |
| 93972 2000 $XF_{7}$ | 14.6 | X | 58.96469 | 69.29226 | 36.57569 | 10.12909 | 0.2340374 | 0.21332773 | 2.7739875 | 20 | 3 14.8 | 17.6 |
| 93973 2000 $XR_{7}$ | 14.3 | X | 30.09244 | 170.96600 | 305.86889 | 8.77518 | 0.1832496 | 0.20995852 | 2.8035849 | 20 | 1 22.1 | 16.8 |
| 93974 2000 $XT_{7}$ | 14.3 | X | 318.38550 | 3.13721 | 49.89059 | 10.72543 | 0.0667436 | 0.19236940 | 2.9719767 | 20 | 11 2.7 | 18.1 |
| 93975 2000 $XC_{8}$ | 13.8 | X | 11.25389 | 131.11578 | 20.14586 | 8.87746 | 0.0949671 | 0.21164134 | 2.7887038 | 20 | 2 8.5 | 17.2 |
| 93976 2000 $XT_{8}$ | 14.9 | X | 288.85699 | 347.01888 | 50.45821 | 12.28948 | 0.2161816 | 0.23720871 | 2.5845343 | 20 | 8 20.4 | 18.0 |
| 93977 2000 $XV_{8}$ | 15.1 | X | 147.20362 | 69.31747 | 348.43019 | 8.70723 | 0.2235916 | 0.21987657 | 2.7186298 | 20 | 4 16.7 | 19.7 |
| 93978 2000 $XT_{9}$ | 14.5 | X | 172.71442 | 50.67607 | 20.82780 | 12.85742 | 0.1757892 | 0.22274009 | 2.6952794 | 20 | 5 23.6 | 19.1 |
| 93979 2000 $XF_{11}$ | 15.0 | X | 124.48731 | 195.52958 | 311.37032 | 12.92982 | 0.1280991 | 0.23002339 | 2.6380805 | 20 | 7 14.4 | 19.0 |
| 93980 2000 $XP_{11}$ | 15.2 | X | 169.93056 | 270.26468 | 146.88623 | 10.10252 | 0.1319325 | 0.22583894 | 2.6705672 | 20 | 5 8.6 | 19.6 |
| 93981 2000 $XU_{11}$ | 14.1 | X | 219.79706 | 52.61202 | 330.90410 | 12.54935 | 0.0397959 | 0.22694004 | 2.6619218 | 20 | 5 14.2 | 18.1 |
| 93982 2000 $XZ_{11}$ | 14.1 | X | 60.28672 | 158.07920 | 23.64009 | 10.08570 | 0.0389759 | 0.17458393 | 3.1705398 | 20 | 5 23.9 | 18.5 |
| 93983 2000 $XK_{12}$ | 15.4 | X | 45.23469 | 130.30434 | 334.22539 | 7.29363 | 0.0655763 | 0.21251403 | 2.7810639 | 20 | 1 27.9 | 18.9 |
| 93984 2000 $XT_{12}$ | 14.3 | X | 3.89825 | 310.10075 | 28.88604 | 10.32850 | 0.2223404 | 0.24151997 | 2.5536851 | 20 | 11 2.6 | 16.8 |
| 93985 2000 $XU_{15}$ | 14.7 | X | 287.05973 | 61.13842 | 293.17993 | 13.91191 | 0.1501559 | 0.23655593 | 2.5892868 | 20 | 6 21.4 | 17.9 |
| 93986 2000 $XZ_{15}$ | 15.3 | X | 239.81621 | 73.30303 | 359.82475 | 14.65933 | 0.0784328 | 0.23797956 | 2.5789502 | 20 | 8 20.7 | 18.9 |
| 93987 2000 $XB_{16}$ | 14.9 | X | 236.88446 | 30.10337 | 309.98733 | 12.66159 | 0.0521148 | 0.22630664 | 2.6668864 | 20 | 4 4.2 | 19.0 |
| 93988 2000 $XC_{16}$ | 13.6 | X | 350.03215 | 14.55582 | 297.34314 | 14.46563 | 0.1797812 | 0.23978984 | 2.5659540 | 20 | 8 12.9 | 16.0 |
| 93989 2000 $XT_{16}$ | 14.3 | X | 143.00995 | 247.02800 | 316.67923 | 9.41801 | 0.0737563 | 0.18943253 | 3.0026152 | 20 | 10 1.2 | 19.0 |
| 93990 2000 $XZ_{16}$ | 14.3 | X | 333.56953 | 80.35163 | 282.83014 | 12.36908 | 0.1904079 | 0.24143657 | 2.5542732 | 20 | 9 22.1 | 16.9 |
| 93991 2000 $XM_{17}$ | 14.1 | X | 47.86982 | 207.97519 | 330.13998 | 11.89528 | 0.1104708 | 0.16808368 | 3.2517640 | 20 | 5 8.8 | 18.6 |
| 93992 2000 $XO_{17}$ | 15.1 | X | 135.85305 | 25.01448 | 23.22351 | 14.95627 | 0.1768341 | 0.21505037 | 2.7591539 | 20 | 3 28.6 | 19.4 |
| 93993 2000 $XX_{17}$ | 15.6 | X | 122.55867 | 65.92444 | 356.20155 | 10.95037 | 0.1759832 | 0.21955684 | 2.7212686 | 20 | 3 27.4 | 19.7 |
| 93994 2000 $XW_{18}$ | 14.7 | X | 70.53718 | 160.03813 | 323.10356 | 11.06903 | 0.0854861 | 0.21884326 | 2.7271808 | 20 | 3 23.9 | 18.3 |
| 93995 2000 $XA_{19}$ | 14.7 | X | 353.17589 | 281.44531 | 28.91401 | 14.20748 | 0.0939422 | 0.23611115 | 2.5925375 | 20 | 8 25.5 | 17.9 |
| 93996 2000 $XO_{19}$ | 14.4 | X | 33.29296 | 273.23247 | 283.53924 | 12.42365 | 0.0234249 | 0.22506919 | 2.6766527 | 20 | 5 2.2 | 18.1 |
| 93997 2000 $XT_{19}$ | 14.6 | X | 43.29664 | 248.76391 | 35.91329 | 13.89363 | 0.1401135 | 0.24025196 | 2.5626626 | 20 | 10 11.8 | 17.8 |
| 93998 2000 $XL_{20}$ | 14.2 | X | 116.74863 | 216.80110 | 24.94388 | 11.84600 | 0.0644845 | 0.19242698 | 2.9713838 | 20 | 10 23.1 | 18.6 |
| 93999 2000 $XZ_{20}$ | 15.2 | X | 83.97947 | 64.69121 | 12.25591 | 9.15332 | 0.0795406 | 0.21488221 | 2.7605932 | 20 | 2 19.9 | 18.9 |
| 94000 2000 $XK_{21}$ | 14.7 | X | 17.79134 | 236.86642 | 11.19768 | 14.82684 | 0.0594932 | 0.23168473 | 2.6254542 | 20 | 6 26.9 | 18.2 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94001 2000 $XP_{21}$ | 15.6 | X | 202.20653 | 87.25171 | 304.82631 | 10.38453 | 0.2136942 | 0.22724154 | 2.6595668 | 20 | 4 28.7 | 20.4 |
| 94002 2000 $XX_{22}$ | 14.0 | X | 76.59460 | 260.22166 | 291.98632 | 16.20336 | 0.1011555 | 0.17751056 | 3.1355947 | 20 | 7 9.9 | 18.5 |
| 94003 2000 $XZ_{23}$ | 15.4 | X | 206.61481 | 129.74036 | 319.79545 | 8.40769 | 0.0649195 | 0.23290019 | 2.6163118 | 20 | 7 28.9 | 19.2 |
| 94004 2000 $XL_{24}$ | 14.3 | X | 306.98085 | 34.35550 | 25.20801 | 11.11019 | 0.1042681 | 0.19289480 | 2.9665775 | 20 | 10 21.3 | 17.8 |
| 94005 2000 $XO_{25}$ | 14.9 | X | 182.68480 | 340.34995 | 35.50350 | 13.32043 | 0.1394601 | 0.22068630 | 2.7119757 | 20 | 3 31.5 | 19.3 |
| 94006 2000 $XQ_{25}$ | 14.6 | X | 298.19665 | 25.51459 | 42.68346 | 11.14112 | 0.0797182 | 0.19198092 | 2.9759845 | 20 | 10 23.2 | 18.4 |
| 94007 2000 $XR_{25}$ | 14.6 | X | 320.70578 | 76.15733 | 300.57849 | 9.41012 | 0.2665887 | 0.24161238 | 2.5530340 | 20 | 9 9.9 | 16.5 |
| 94008 2000 $XT_{25}$ | 14.7 | X | 354.29314 | 11.95866 | 1.58333 | 10.84799 | 0.0962870 | 0.19305960 | 2.9648891 | 20 | 11 2.3 | 18.5 |
| 94009 2000 $XZ_{26}$ | 14.2 | X | 170.65993 | 138.51011 | 343.03933 | 10.82554 | 0.1231106 | 0.17911861 | 3.1167998 | 20 | 7 27.4 | 19.2 |
| 94010 2000 $XJ_{27}$ | 14.7 | X | 219.40959 | 47.00025 | 310.26512 | 11.70453 | 0.1835656 | 0.22359240 | 2.6884256 | 20 | 3 30.9 | 19.4 |
| 94011 2000 $XZ_{27}$ | 13.9 | X | 115.29820 | 84.32560 | 41.48340 | 13.80000 | 0.1478338 | 0.22240229 | 2.6980078 | 20 | 6 4.8 | 18.0 |
| 94012 2000 $XM_{28}$ | 13.8 | X | 334.90776 | 62.72140 | 48.95811 | 13.14755 | 0.0780105 | 0.20138557 | 2.8825962 | 20 | — | — |
| 94013 2000 $XP_{28}$ | 14.9 | X | 258.86833 | 26.48875 | 36.57328 | 14.85517 | 0.0839990 | 0.23539990 | 2.5977570 | 20 | 9 3.4 | 18.6 |
| 94014 2000 $XJ_{29}$ | 15.2 | X | 112.13406 | 84.46993 | 30.52999 | 13.60080 | 0.1317903 | 0.22077203 | 2.7112736 | 20 | 5 15.7 | 19.2 |
| 94015 2000 $XT_{29}$ | 14.4 | X | 212.56267 | 301.49608 | 65.40129 | 13.26537 | 0.2004833 | 0.22337020 | 2.6902082 | 20 | 4 16.5 | 19.0 |
| 94016 2000 $XC_{30}$ | 14.5 | X | 197.07179 | 357.95644 | 23.63471 | 11.61516 | 0.2295510 | 0.22321213 | 2.6914781 | 20 | 4 15.6 | 19.1 |
| 94017 2000 $XT_{30}$ | 14.6 | X | 50.94341 | 94.50160 | 287.33958 | 12.49929 | 0.0408990 | 0.20228312 | 2.8740631 | 20 | — | — |
| 94018 2000 $XM_{31}$ | 14.9 | X | 243.83954 | 301.45488 | 26.21557 | 11.78331 | 0.2011530 | 0.22406723 | 2.6846262 | 20 | 3 24.8 | 19.2 |
| 94019 2000 $XN_{32}$ | 14.9 | X | 298.95851 | 18.13230 | 51.10869 | 10.75414 | 0.0787751 | 0.19149829 | 2.9809826 | 20 | 10 26.2 | 18.8 |
| 94020 2000 $XH_{33}$ | 15.2 | X | 126.47856 | 68.29906 | 356.34808 | 12.67772 | 0.1273276 | 0.21719421 | 2.7409675 | 20 | 3 28.9 | 19.3 |
| 94021 2000 $XJ_{33}$ | 14.2 | X | 191.13810 | 171.29070 | 36.89311 | 10.07440 | 0.1349760 | 0.19559704 | 2.9391914 | 20 | 11 25.1 | 18.9 |
| 94022 2000 $XH_{35}$ | 13.8 | X | 117.65646 | 123.88515 | 68.92067 | 15.02123 | 0.1075608 | 0.17874524 | 3.1211386 | 20 | 9 4.2 | 18.8 |
| 94023 2000 $XL_{36}$ | 14.3 | X | 265.78950 | 117.19326 | 308.81785 | 13.74778 | 0.0919425 | 0.23978855 | 2.5659632 | 20 | 9 2.4 | 17.7 |
| 94024 2000 $XS_{36}$ | 14.3 | X | 295.01146 | 60.66250 | 313.64321 | 12.67854 | 0.1718237 | 0.23810148 | 2.5780697 | 20 | 7 29.8 | 17.3 |
| 94025 2000 $XC_{37}$ | 15.6 | X | 214.82320 | 15.80872 | 345.98821 | 12.88534 | 0.1894738 | 0.22630894 | 2.6668684 | 20 | 4 3.1 | 20.1 |
| 94026 2000 $XF_{39}$ | 15.4 | X | 203.65899 | 3.89804 | 29.73953 | 14.24914 | 0.2495307 | 0.22712456 | 2.6604799 | 20 | 5 3.1 | 20.0 |
| 94027 2000 $XL_{39}$ | 14.6 | X | 305.43927 | 43.32421 | 323.00579 | 13.94978 | 0.1298295 | 0.23632055 | 2.5910058 | 20 | 8 11.6 | 17.3 |
| 94028 2000 $XM_{39}$ | 14.4 | X | 270.34159 | 82.81246 | 25.46114 | 12.63485 | 0.1652382 | 0.24298774 | 2.5433911 | 20 | 10 30.8 | 17.2 |
| 94029 2000 $XN_{39}$ | 14.6 | X | 127.11884 | 26.12192 | 31.72694 | 15.86968 | 0.0832013 | 0.21698663 | 2.7427153 | 20 | 3 23.8 | 18.6 |
| 94030 2000 $XC_{40}$ | 13.2 | X | 15.06345 | 248.04622 | 31.33226 | 28.01708 | 0.1145975 | 0.23372854 | 2.6101265 | 20 | 9 1.2 | 16.9 |
| 94031 2000 $XF_{40}$ | 14.9 | X | 195.95751 | 150.22991 | 329.30263 | 15.99864 | 0.0933285 | 0.23527951 | 2.5986431 | 20 | 8 22.3 | 18.6 |
| 94032 2000 $XC_{41}$ | 13.5 | X | 27.57056 | 162.14764 | 31.79391 | 23.53982 | 0.0773422 | 0.17069588 | 3.2185038 | 20 | 4 27.9 | 17.7 |
| 94033 2000 $XS_{41}$ | 14.1 | X | 171.66562 | 177.47842 | 348.15044 | 19.75926 | 0.1319304 | 0.18638105 | 3.0352994 | 20 | 9 16.1 | 19.0 |
| 94034 2000 $XB_{46}$ | 14.6 | X | 108.14201 | 152.20134 | 7.51746 | 29.51795 | 0.1649196 | 0.22454414 | 2.6808236 | 20 | 7 28.5 | 19.3 |
| 94035 2000 $XX_{47}$ | 15.2 | X | 177.27402 | 167.20271 | 319.05521 | 13.02628 | 0.0764171 | 0.23337247 | 2.6127808 | 20 | 8 10.9 | 18.8 |
| 94036 2000 $XG_{48}$ | 14.5 | X | 339.87484 | 30.53329 | 22.09263 | 12.24904 | 0.0522476 | 0.19615854 | 2.9335798 | 20 | 11 30.1 | 18.5 |
| 94037 2000 $XK_{48}$ | 14.8 | X | 313.41398 | 293.92238 | 40.43885 | 13.24080 | 0.1542095 | 0.23352145 | 2.6116694 | 20 | 7 5.9 | 17.9 |
| 94038 2000 $XX_{48}$ | 14.6 | X | 261.53216 | 164.41862 | 334.48079 | 11.99242 | 0.0494380 | 0.19529950 | 2.9421759 | 20 | 12 1.7 | 18.8 |
| 94039 2000 $XW_{50}$ | 15.4 | X | 89.37245 | 155.62422 | 323.33952 | 8.67019 | 0.0938640 | 0.22077905 | 2.7112161 | 20 | 4 15.5 | 19.2 |
| 94040 2000 $XE_{52}$ | 15.2 | X | 210.94123 | 36.23061 | 343.77068 | 8.31882 | 0.1308841 | 0.22469764 | 2.6796025 | 20 | 4 25.2 | 19.5 |
| 94041 2000 $XK_{52}$ | 15.3 | X | 90.99853 | 33.78692 | 26.40792 | 8.12685 | 0.2169679 | 0.21258004 | 2.7804882 | 20 | 2 28.8 | 19.0 |
| 94042 2000 $XU_{52}$ | 13.9 | X | 159.88024 | 153.85381 | 47.86728 | 10.00878 | 0.0942940 | 0.18932237 | 3.0037798 | 20 | 10 22.6 | 18.5 |
| 94043 2000 $XB_{53}$ | 14.0 | X | 8.81968 | 50.61874 | 20.95847 | 10.88931 | 0.1209829 | 0.20171699 | 2.8794380 | 20 | — | — |
| 94044 2000 $XW_{53}$ | 15.4 | X | 114.05039 | 289.38995 | 90.12353 | 5.45319 | 0.0832100 | 0.21198859 | 2.7856575 | 20 | 1 15.4 | 19.1 |
| 94045 2000 $XO_{54}$ | 14.6 | X | 259.99818 | 324.46940 | 118.36464 | 14.21574 | 0.1011632 | 0.24455156 | 2.5325368 | 20 | 9 28.8 | 18.1 |
| 94046 2000 $YK$ | 14.9 | X | 228.80738 | 72.76660 | 27.03195 | 22.27816 | 0.0932371 | 0.23638555 | 2.5905308 | 20 | 9 15.6 | 18.8 |
| 94047 2000 $YO_{1}$ | 14.8 | X | 153.75143 | 161.89643 | 326.59352 | 14.78349 | 0.0392112 | 0.23528944 | 2.5985700 | 20 | 7 20.0 | 18.5 |
| 94048 2000 $YU_{2}$ | 15.6 | X | 133.85166 | 35.13378 | 34.70921 | 8.15823 | 0.1263434 | 0.21831667 | 2.7315644 | 20 | 4 15.1 | 19.6 |
| 94049 2000 $YM_{4}$ | 15.5 | X | 319.39228 | 188.45408 | 261.81920 | 0.95842 | 0.0268358 | 0.20045863 | 2.8914757 | 20 | 12 22.6 | 19.3 |
| 94050 2000 $YP_{4}$ | 15.1 | X | 319.28469 | 343.42491 | 247.04890 | 7.77339 | 0.0829107 | 0.21982302 | 2.7190714 | 20 | 2 26.6 | 18.8 |
| 94051 2000 $YW_{4}$ | 15.0 | X | 103.96090 | 319.34820 | 279.56553 | 7.92793 | 0.0868083 | 0.18886181 | 3.0086612 | 20 | 10 3.7 | 19.7 |
| 94052 2000 $YS_{5}$ | 14.8 | X | 27.28875 | 179.71118 | 22.72885 | 9.84605 | 0.1161067 | 0.22312281 | 2.6921964 | 20 | 5 9.6 | 17.9 |
| 94053 2000 $YO_{6}$ | 14.9 | X | 305.13190 | 55.43763 | 299.11637 | 11.11992 | 0.2021097 | 0.23523820 | 2.5989474 | 20 | 7 12.9 | 17.5 |
| 94054 2000 $YE_{9}$ | 15.0 | X | 255.26733 | 74.64279 | 286.95432 | 11.78973 | 0.2058440 | 0.22729088 | 2.6591819 | 20 | 5 10.5 | 19.4 |
| 94055 2000 $YP_{11}$ | 15.5 | X | 16.72755 | 355.82688 | 61.87116 | 2.94885 | 0.0578456 | 0.20398312 | 2.8580724 | 20 | — | — |
| 94056 2000 $YX_{12}$ | 15.3 | X | 113.50728 | 0.18835 | 124.08758 | 14.73431 | 0.1904390 | 0.22426601 | 2.6830396 | 20 | 6 10.1 | 19.6 |
| 94057 2000 $YG_{14}$ | 15.2 | X | 156.27822 | 231.36295 | 102.52869 | 5.89161 | 0.0048332 | 0.20904549 | 2.8117423 | 20 | — | — |
| 94058 2000 $YM_{17}$ | 14.4 | X | 137.42610 | 65.63855 | 59.08424 | 22.53384 | 0.0800977 | 0.22323217 | 2.6913170 | 20 | 6 21.3 | 18.6 |
| 94059 2000 $YA_{18}$ | 14.6 | X | 153.04828 | 22.74837 | 115.21746 | 10.15559 | 0.1696177 | 0.23216278 | 2.6218489 | 20 | 8 1.5 | 18.8 |
| 94060 2000 $YE_{18}$ | 15.4 | X | 149.24390 | 200.19029 | 213.38800 | 8.39291 | 0.1303867 | 0.22042584 | 2.7141117 | 20 | 4 9.4 | 19.6 |
| 94061 2000 $YF_{18}$ | 15.0 | X | 139.13865 | 93.78899 | 318.23149 | 7.39010 | 0.1530038 | 0.21852277 | 2.7298467 | 20 | 3 27.7 | 19.3 |
| 94062 2000 $YF_{21}$ | 14.7 | X | 74.53329 | 67.82641 | 43.07486 | 4.02308 | 0.0701617 | 0.21409128 | 2.7673881 | 20 | 3 18.7 | 18.3 |
| 94063 2000 $YA_{22}$ | 14.8 | X | 242.24705 | 292.68660 | 72.13963 | 6.44767 | 0.2880928 | 0.22739402 | 2.6583777 | 20 | 4 29.5 | 19.4 |
| 94064 2000 $YQ_{25}$ | 15.2 | X | 0.04474 | 358.36518 | 30.22448 | 2.17522 | 0.1119622 | 0.19508460 | 2.9443362 | 20 | 12 5.9 | 18.9 |
| 94065 2000 $YJ_{26}$ | 15.5 | X | 341.85590 | 218.55632 | 132.41054 | 3.84228 | 0.1815662 | 0.24186905 | 2.5512274 | 20 | 10 2.9 | 17.6 |
| 94066 2000 $YT_{29}$ | 14.9 | X | 231.71492 | 24.37587 | 70.91927 | 1.60808 | 0.1782579 | 0.18351447 | 3.0668262 | 20 | 8 17.9 | 19.7 |
| 94067 2000 $YS_{31}$ | 15.4 | X | 213.45886 | 187.61175 | 193.33150 | 11.85366 | 0.1958994 | 0.22703363 | 2.6611903 | 20 | 4 30.7 | 19.9 |
| 94068 2000 $YE_{34}$ | 14.6 | X | 238.51877 | 223.69343 | 273.07379 | 8.95823 | 0.0667377 | 0.18794491 | 3.0184385 | 20 | 10 26.4 | 19.1 |
| 94069 2000 $YL_{34}$ | 14.6 | X | 235.23827 | 181.19171 | 292.35030 | 10.93248 | 0.1913575 | 0.18447907 | 3.0561265 | 20 | 9 5.7 | 19.5 |
| 94070 2000 $YG_{36}$ | 15.1 | X | 124.20731 | 255.98994 | 152.99538 | 2.05593 | 0.0722785 | 0.21442250 | 2.7645375 | 20 | 3 2.3 | 18.7 |
| 94071 2000 $YM_{37}$ | 14.1 | X | 69.51340 | 132.51735 | 110.90377 | 13.14766 | 0.0201999 | 0.18209700 | 3.0827207 | 20 | 8 26.9 | 18.5 |
| 94072 2000 $YJ_{38}$ | 14.5 | X | 2.14216 | 114.92648 | 239.49522 | 5.36987 | 0.2483904 | 0.24278692 | 2.5447934 | 20 | 11 27.8 | 16.8 |
| 94073 2000 $YA_{39}$ | 14.1 | X | 4.13524 | 181.42932 | 108.56617 | 16.49632 | 0.0166094 | 0.17899225 | 3.1182666 | 20 | 7 28.5 | 18.4 |
| 94074 2000 $YB_{40}$ | 14.5 | X | 231.70965 | 337.51307 | 110.34006 | 11.10182 | 0.0947342 | 0.18312801 | 3.0711395 | 20 | 8 19.4 | 19.1 |
| 94075 2000 $YZ_{40}$ | 15.0 | X | 279.64149 | 323.47667 | 117.91662 | 1.73516 | 0.1211762 | 0.19013869 | 2.9951762 | 20 | 10 6.9 | 18.9 |
| 94076 2000 $YU_{41}$ | 15.2 | X | 336.43179 | 117.23722 | 305.09743 | 0.57807 | 0.1210390 | 0.19573760 | 2.9377841 | 20 | 12 13.1 | 18.6 |
| 94077 2000 $YJ_{43}$ | 14.6 | X | 72.72628 | 242.07991 | 130.07301 | 7.30275 | 0.0505415 | 0.20062057 | 2.8899195 | 20 | — | — |
| 94078 2000 $YC_{45}$ | 14.4 | X | 52.18919 | 231.18198 | 96.19879 | 10.32531 | 0.0656809 | 0.19234000 | 2.9722794 | 20 | 11 25.1 | 18.6 |
| 94079 2000 $YN_{46}$ | 14.2 | X | 352.63059 | 215.19612 | 114.48617 | 12.89727 | 0.0736296 | 0.18312259 | 3.0712000 | 20 | 9 8.2 | 18.3 |
| 94080 2000 $YC_{47}$ | 15.8 | X | 220.72834 | 351.41215 | 38.33945 | 1.66367 | 0.2342350 | 0.22745282 | 2.6579196 | 20 | 5 14.2 | 20.2 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94081 2000 $YE_{47}$ | 14.6 | X | 112.49109 | 20.16204 | 134.26722 | 3.71594 | 0.0373195 | 0.17385824 | 3.1793563 | 20 | 6 26.7 | 19.2 |
| 94082 2000 $YD_{49}$ | 15.9 | X | 290.83712 | 64.49539 | 342.86060 | 0.36827 | 0.2025292 | 0.23860112 | 2.5744693 | 20 | 9 3.4 | 18.5 |
| 94083 2000 $YZ_{51}$ | 14.2 | X | 24.09450 | 117.56496 | 78.45188 | 2.46052 | 0.0818845 | 0.16729282 | 3.2620041 | 20 | 4 28.7 | 18.4 |
| 94084 2000 $YL_{52}$ | 14.8 | X | 273.50943 | 109.20377 | 306.98924 | 6.50027 | 0.1761542 | 0.23665781 | 2.5885436 | 20 | 8 21.0 | 17.9 |
| 94085 2000 $YV_{52}$ | 15.1 | X | 41.33280 | 278.09188 | 97.95845 | 4.29379 | 0.2000362 | 0.19906433 | 2.9049617 | 20 | — | — |
| 94086 2000 $YG_{55}$ | 15.0 | X | 169.93693 | 49.35220 | 82.34844 | 2.17941 | 0.1212992 | 0.17843171 | 3.1247938 | 20 | 8 5.9 | 20.0 |
| 94087 2000 $YC_{58}$ | 14.6 | X | 60.34672 | 20.45554 | 282.99998 | 8.83253 | 0.0704346 | 0.18977202 | 2.9990331 | 20 | 10 31.9 | 18.9 |
| 94088 2000 $YV_{58}$ | 14.3 | X | 6.60491 | 148.03150 | 109.36387 | 10.14991 | 0.0461034 | 0.17419650 | 3.1752391 | 20 | 6 19.9 | 18.6 |
| 94089 2000 $YQ_{59}$ | 14.7 | X | 3.48838 | 324.42507 | 132.74476 | 2.91876 | 0.0274125 | 0.20317679 | 2.8656291 | 20 | — | — |
| 94090 2000 $YH_{60}$ | 15.6 | X | 255.99256 | 131.31523 | 280.88784 | 3.20044 | 0.2407739 | 0.23353955 | 2.6115345 | 20 | 7 14.7 | 19.3 |
| 94091 2000 $YK_{61}$ | 15.2 | X | 291.26685 | 243.19620 | 197.10060 | 2.07070 | 0.2333282 | 0.19103379 | 2.9858128 | 20 | 10 6.2 | 18.7 |
| 94092 2000 $YD_{62}$ | 14.8 | X | 348.54378 | 125.88335 | 284.05898 | 7.96567 | 0.0545881 | 0.19310023 | 2.9644732 | 20 | 12 10.6 | 18.7 |
| 94093 2000 $YO_{63}$ | 14.3 | X | 137.56485 | 153.91501 | 310.84092 | 5.70486 | 0.1097615 | 0.16931226 | 3.2360144 | 20 | 5 30.5 | 19.4 |
| 94094 2000 $YQ_{65}$ | 14.2 | X | 151.84733 | 61.10910 | 98.60975 | 11.00805 | 0.0719411 | 0.18199086 | 3.0839192 | 20 | 8 24.5 | 19.0 |
| 94095 2000 $YG_{67}$ | 15.7 | X | 122.92996 | 279.41072 | 192.99896 | 9.21459 | 0.1682857 | 0.22253196 | 2.6969597 | 20 | 5 31.9 | 19.9 |
| 94096 2000 $YS_{69}$ | 15.2 | X | 232.52218 | 296.82430 | 106.17503 | 4.11810 | 0.0585223 | 0.23093227 | 2.6311542 | 20 | 6 27.9 | 18.9 |
| 94097 2000 $YT_{71}$ | 14.4 | X | 233.00123 | 17.20352 | 152.50379 | 2.39826 | 0.0494841 | 0.19644060 | 2.9307710 | 20 | 12 6.5 | 18.6 |
| 94098 2000 $YV_{71}$ | 14.6 | X | 282.71498 | 335.17770 | 132.05616 | 2.63868 | 0.0569469 | 0.19508545 | 2.9443276 | 20 | 11 22.1 | 18.4 |
| 94099 2000 $YS_{72}$ | 15.0 | X | 273.92035 | 251.76210 | 62.14366 | 5.39960 | 0.0993261 | 0.22493053 | 2.6777526 | 20 | 4 18.3 | 18.7 |
| 94100 2000 $YH_{73}$ | 13.8 | X | 62.01082 | 39.39240 | 146.50348 | 5.30945 | 0.1290141 | 0.17304214 | 3.1893447 | 20 | 6 16.2 | 18.1 |
| 94101 2000 $YQ_{74}$ | 13.8 | X | 265.85146 | 68.04719 | 84.55813 | 12.40641 | 0.0915324 | 0.19829167 | 2.9125031 | 20 | 12 21.6 | 17.5 |
| 94102 2000 $YA_{77}$ | 14.9 | X | 9.22428 | 267.44685 | 94.01992 | 11.57257 | 0.0571203 | 0.19329425 | 2.9624891 | 20 | 11 12.4 | 18.9 |
| 94103 2000 $YU_{77}$ | 15.3 | X | 114.39523 | 338.51225 | 85.04523 | 6.37387 | 0.0357115 | 0.21603311 | 2.7507799 | 20 | 3 6.5 | 19.1 |
| 94104 2000 $YG_{78}$ | 14.5 | X | 226.97442 | 237.29349 | 274.35704 | 9.97968 | 0.0592488 | 0.19274742 | 2.9680895 | 20 | 11 2.1 | 18.9 |
| 94105 2000 $YX_{78}$ | 15.5 | X | 245.41633 | 153.21160 | 260.09734 | 2.03464 | 0.1358928 | 0.23339120 | 2.6126409 | 20 | 7 17.6 | 19.2 |
| 94106 2000 $YB_{79}$ | 13.4 | X | 94.29937 | 139.34828 | 94.36846 | 11.40317 | 0.1000657 | 0.18562254 | 3.0435626 | 20 | 9 27.8 | 18.1 |
| 94107 2000 $YW_{82}$ | 14.0 | X | 102.82566 | 273.61874 | 249.77892 | 14.59756 | 0.1777901 | 0.17489498 | 3.1667795 | 20 | 7 10.7 | 19.0 |
| 94108 2000 $YY_{86}$ | 14.3 | X | 84.16635 | 154.29316 | 109.50966 | 9.98976 | 0.1074429 | 0.18712900 | 3.0272061 | 20 | 10 23.1 | 18.9 |
| 94109 2000 $YP_{87}$ | 14.1 | X | 17.83240 | 191.47724 | 107.27673 | 15.88489 | 0.0594801 | 0.18305590 | 3.0719458 | 20 | 9 5.1 | 18.4 |
| 94110 2000 $YZ_{87}$ | 15.2 | X | 138.45848 | 1.33718 | 35.72548 | 1.81066 | 0.1147741 | 0.21599368 | 2.7511147 | 20 | 3 9.1 | 19.3 |
| 94111 2000 $YY_{88}$ | 15.0 | X | 319.40368 | 100.34001 | 265.33850 | 2.63929 | 0.2284670 | 0.23853934 | 2.5749139 | 20 | 8 25.9 | 17.1 |
| 94112 2000 $YH_{90}$ | 14.7 | X | 59.80757 | 229.22380 | 104.70685 | 17.18420 | 0.0968879 | 0.19456988 | 2.9495265 | 20 | 12 16.2 | 19.1 |
| 94113 2000 $YC_{91}$ | 14.6 | X | 2.20494 | 253.79915 | 95.89077 | 11.89816 | 0.0798352 | 0.18847868 | 3.0127370 | 20 | 10 21.9 | 18.6 |
| 94114 2000 $YS_{96}$ | 14.9 | X | 211.11259 | 322.15049 | 115.37080 | 6.99452 | 0.0743298 | 0.17660045 | 3.1463583 | 20 | 7 13.5 | 19.5 |
| 94115 2000 $YK_{98}$ | 14.1 | X | 125.76734 | 30.68156 | 117.00167 | 7.37048 | 0.0528172 | 0.17286713 | 3.1914969 | 20 | 7 5.7 | 18.8 |
| 94116 2000 $YS_{101}$ | 14.5 | X | 208.27920 | 335.94359 | 126.16913 | 15.41590 | 0.1178024 | 0.18216986 | 3.0818987 | 20 | 8 7.8 | 19.3 |
| 94117 2000 $YE_{102}$ | 15.1 | X | 131.59650 | 301.45979 | 147.25710 | 10.31602 | 0.1741816 | 0.21939802 | 2.7225817 | 20 | 5 13.4 | 19.5 |
| 94118 2000 $YV_{102}$ | 15.3 | X | 193.80302 | 176.06562 | 213.65910 | 5.42480 | 0.2507676 | 0.22234058 | 2.6985071 | 20 | 4 22.9 | 19.9 |
| 94119 2000 $YN_{103}$ | 15.2 | X | 113.92164 | 273.93035 | 154.40698 | 9.50434 | 0.1249609 | 0.21436083 | 2.7650677 | 20 | 3 23.1 | 19.1 |
| 94120 2000 $YF_{106}$ | 14.1 | X | 319.88113 | 142.90791 | 57.87016 | 12.33416 | 0.2122214 | 0.21208581 | 2.7848062 | 20 | 1 7.1 | 17.9 |
| 94121 2000 $YR_{107}$ | 14.9 | X | 56.62885 | 352.24368 | 89.53339 | 9.25100 | 0.1181781 | 0.20903349 | 2.8118499 | 20 | 1 19.8 | 18.2 |
| 94122 2000 $YJ_{108}$ | 16.1 | X | 58.38355 | 99.24895 | 337.70377 | 2.46365 | 0.1735962 | 0.20896722 | 2.8124443 | 20 | 1 21.9 | 19.2 |
| 94123 2000 $YN_{108}$ | 15.6 | X | 229.81846 | 128.44065 | 323.42681 | 3.32873 | 0.2263695 | 0.23450270 | 2.6043788 | 20 | 8 10.0 | 19.4 |
| 94124 2000 $YJ_{109}$ | 15.0 | X | 15.36895 | 65.17078 | 305.52722 | 9.10715 | 0.0495100 | 0.19279449 | 2.9676064 | 20 | 11 25.9 | 19.2 |
| 94125 2000 $YU_{111}$ | 15.2 | X | 299.02008 | 91.40233 | 304.43344 | 11.26022 | 0.1854255 | 0.23751604 | 2.5823043 | 20 | 8 30.5 | 17.9 |
| 94126 2000 $YN_{112}$ | 14.5 | X | 173.25144 | 63.55084 | 95.17800 | 11.94372 | 0.0142781 | 0.18346421 | 3.0673864 | 20 | 9 19.7 | 19.1 |
| 94127 2000 $YQ_{112}$ | 13.8 | X | 328.45031 | 277.67078 | 94.07092 | 10.03070 | 0.0323622 | 0.18511536 | 3.0491192 | 20 | 9 29.4 | 18.1 |
| 94128 2000 $YC_{113}$ | 14.8 | X | 256.57818 | 357.26967 | 66.71215 | 1.86739 | 0.1212267 | 0.18266763 | 3.0762974 | 20 | 8 13.6 | 19.1 |
| 94129 2000 $YU_{113}$ | 14.4 | X | 247.88285 | 25.69407 | 307.59715 | 14.38746 | 0.2109694 | 0.22092097 | 2.7100549 | 20 | 3 23.8 | 19.1 |
| 94130 2000 $YA_{114}$ | 15.1 | X | 45.29749 | 252.58663 | 135.34649 | 7.39425 | 0.1059104 | 0.19961022 | 2.8996630 | 20 | — | — |
| 94131 2000 $YH_{115}$ | 14.5 | X | 206.06405 | 353.39264 | 112.67542 | 13.80927 | 0.0406130 | 0.17968598 | 3.1102353 | 20 | 8 17.9 | 19.1 |
| 94132 2000 $YO_{115}$ | 13.3 | X | 107.23613 | 224.78700 | 310.02732 | 18.27988 | 0.0631401 | 0.17396669 | 3.1780348 | 20 | 7 21.3 | 17.9 |
| 94133 2000 $YH_{116}$ | 14.0 | X | 168.54777 | 32.09633 | 106.77276 | 6.86520 | 0.0681268 | 0.17788365 | 3.1312088 | 20 | 8 14.3 | 18.7 |
| 94134 2000 $YT_{117}$ | 15.4 | X | 280.48232 | 144.33744 | 316.05953 | 10.43591 | 0.0760640 | 0.18940096 | 3.0029488 | 20 | 11 1.8 | 19.6 |
| 94135 2000 $YB_{119}$ | 15.2 | X | 259.82614 | 218.76090 | 147.73571 | 13.82406 | 0.1957863 | 0.23203857 | 2.6227844 | 20 | 5 28.9 | 19.3 |
| 94136 2000 $YL_{122}$ | 14.5 | X | 105.90382 | 273.40945 | 233.26020 | 26.74052 | 0.0469024 | 0.22566254 | 2.6719587 | 20 | 6 8.8 | 18.4 |
| 94137 2000 $YN_{125}$ | 14.9 | X | 88.04091 | 143.77526 | 349.80481 | 12.86726 | 0.1094667 | 0.21766572 | 2.7370077 | 20 | 5 4.6 | 18.8 |
| 94138 2000 $YZ_{129}$ | 15.2 | X | 165.56186 | 269.77752 | 102.94648 | 6.03116 | 0.1294143 | 0.21786888 | 2.7353060 | 20 | 3 9.9 | 19.5 |
| 94139 2000 $YC_{130}$ | 15.0 | X | 13.04344 | 289.83787 | 99.58301 | 3.31103 | 0.0385377 | 0.19706489 | 2.9245781 | 20 | 12 17.4 | 18.7 |
| 94140 2000 $YC_{134}$ | 15.0 | X | 70.28111 | 266.21313 | 149.90632 | 5.56347 | 0.0891255 | 0.20916179 | 2.8107000 | 20 | 1 3.3 | 18.5 |
| 94141 2000 $YJ_{135}$ | 15.2 | X | 350.20922 | 121.94930 | 233.23804 | 25.87175 | 0.2148158 | 0.24331277 | 2.5411255 | 20 | 10 28.8 | 17.5 |
| 94142 2000 $YO_{136}$ | 15.4 | X | 280.72126 | 171.06551 | 355.56271 | 1.64266 | 0.0274228 | 0.20353350 | 2.8622800 | 20 | — | — |
| 94143 2000 $YO_{139}$ | 14.5 | X | 150.81696 | 173.76067 | 273.95649 | 16.31147 | 0.2076879 | 0.21920632 | 2.7241687 | 20 | 5 28.4 | 19.2 |
| 94144 2000 $YR_{139}$ | 13.7 | X | 169.57851 | 226.14709 | 261.46944 | 15.77674 | 0.1907396 | 0.17532622 | 3.1615845 | 20 | 7 26.2 | 19.2 |
| 94145 2000 $YH_{140}$ | 15.6 | X | 94.64704 | 83.31333 | 321.04031 | 3.85917 | 0.1492436 | 0.21247668 | 2.7813899 | 20 | 1 31.1 | 19.3 |
| 94146 2001 $AK_{1}$ | 15.0 | X | 295.77014 | 265.21914 | 115.29010 | 12.88695 | 0.1414148 | 0.18107497 | 3.0943097 | 20 | 8 7.8 | 19.0 |
| 94147 2001 $AT_{3}$ | 15.0 | X | 94.05721 | 278.05468 | 130.57029 | 8.62074 | 0.2644109 | 0.21159685 | 2.7890946 | 20 | 2 22.9 | 18.7 |
| 94148 2001 $AH_{4}$ | 14.7 | X | 306.25942 | 93.10595 | 265.90317 | 10.31433 | 0.3288158 | 0.23573108 | 2.5953234 | 20 | 6 27.3 | 17.3 |
| 94149 2001 $AX_{4}$ | 15.5 | X | 251.24289 | 157.60975 | 247.89500 | 3.50031 | 0.2643281 | 0.23215661 | 2.6218953 | 20 | 6 27.9 | 19.6 |
| 94150 2001 $AY_{4}$ | 14.9 | X | 85.16062 | 178.71633 | 278.10224 | 6.94434 | 0.1872749 | 0.21369139 | 2.7708395 | 20 | 3 27.0 | 18.7 |
| 94151 2001 $AK_{5}$ | 14.5 | X | 328.16792 | 102.90936 | 275.81477 | 9.26857 | 0.2371068 | 0.23898011 | 2.5717468 | 20 | 10 5.9 | 16.7 |
| 94152 2001 $AF_{7}$ | 14.9 | X | 289.24021 | 253.49402 | 156.08521 | 4.89605 | 0.2497093 | 0.23893565 | 2.5720658 | 20 | 8 26.3 | 17.6 |
| 94153 2001 $AL_{8}$ | 15.3 | X | 27.51232 | 305.28468 | 131.20117 | 2.93888 | 0.0443164 | 0.20366886 | 2.8610116 | 20 | — | — |
| 94154 2001 $AM_{8}$ | 14.3 | X | 213.37006 | 227.34976 | 265.38338 | 10.49355 | 0.0990996 | 0.18568189 | 3.0429141 | 20 | 9 15.8 | 19.2 |
| 94155 2001 $AO_{8}$ | 14.5 | X | 229.45075 | 337.06564 | 132.58001 | 10.29349 | 0.1043720 | 0.18521639 | 3.0480104 | 20 | 9 12.6 | 19.0 |
| 94156 2001 $AP_{8}$ | 15.1 | X | 198.54616 | 105.03249 | 253.75565 | 8.10519 | 0.2428963 | 0.21953662 | 2.7214356 | 20 | 3 17.3 | 20.1 |
| 94157 2001 $AG_{10}$ | 13.9 | X | 111.99582 | 97.61470 | 133.30093 | 11.35987 | 0.0309263 | 0.18442248 | 3.0567515 | 20 | 10 5.4 | 18.4 |
| 94158 2001 $AR_{13}$ | 14.4 | X | 14.49346 | 37.28621 | 299.76524 | 13.78167 | 0.0179243 | 0.18617957 | 3.0374889 | 20 | 10 2.9 | 18.9 |
| 94159 2001 $AG_{14}$ | 14.7 | X | 334.83408 | 216.78528 | 135.05076 | 7.37778 | 0.2140285 | 0.23795185 | 2.5791503 | 20 | 9 17.9 | 16.8 |
| 94160 2001 $AX_{14}$ | 14.5 | X | 47.80381 | 202.76608 | 149.90887 | 11.76969 | 0.1115972 | 0.19330404 | 2.9623890 | 20 | 12 25.4 | 18.9 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94161 2001 $AM_{15}$ | 15.0 | X | 239.11654 | 232.39178 | 255.69299 | 6.16744 | 0.1647278 | 0.18709059 | 3.0276204 | 20 | 10 3.6 | 19.6 |
| 94162 2001 $AE_{17}$ | 15.0 | X | 289.37396 | 313.88765 | 118.12361 | 6.18722 | 0.2583848 | 0.23918789 | 2.5702572 | 20 | 10 1.5 | 17.5 |
| 94163 2001 $AV_{20}$ | 15.0 | X | 216.23601 | 124.59812 | 237.48338 | 12.06089 | 0.1820698 | 0.22401450 | 2.6850474 | 20 | 4 6.2 | 19.6 |
| 94164 2001 $AC_{21}$ | 14.4 | X | 107.83019 | 80.38857 | 111.76395 | 13.74149 | 0.0367766 | 0.18013413 | 3.1050746 | 20 | 8 9.9 | 18.9 |
| 94165 2001 $AP_{21}$ | 15.3 | X | 180.72646 | 94.62843 | 354.93788 | 2.89092 | 0.2080177 | 0.22698972 | 2.6615334 | 20 | 6 25.4 | 19.8 |
| 94166 2001 $AC_{22}$ | 14.4 | X | 197.33067 | 75.64951 | 81.08790 | 11.93464 | 0.0611413 | 0.18736355 | 3.0246791 | 20 | 10 13.0 | 19.0 |
| 94167 2001 $AU_{22}$ | 14.5 | X | 148.04556 | 38.42285 | 79.70969 | 10.34502 | 0.0324460 | 0.17467834 | 3.1693972 | 20 | 6 22.9 | 19.0 |
| 94168 2001 $AZ_{22}$ | 15.0 | X | 247.45489 | 359.81125 | 139.78153 | 11.33420 | 0.0333675 | 0.19199302 | 2.9758595 | 20 | 11 21.6 | 19.3 |
| 94169 2001 $AB_{26}$ | 14.2 | X | 223.16562 | 7.70050 | 61.11218 | 12.74268 | 0.0641892 | 0.23174266 | 2.6250166 | 20 | 7 22.8 | 18.1 |
| 94170 2001 $AK_{27}$ | 15.0 | X | 99.85038 | 26.57607 | 48.30559 | 8.07854 | 0.1199096 | 0.21383657 | 2.7695852 | 20 | 3 15.8 | 18.8 |
| 94171 2001 $AE_{28}$ | 14.1 | X | 71.59243 | 196.59794 | 4.61946 | 13.11541 | 0.1152944 | 0.17235024 | 3.1978748 | 20 | 7 20.3 | 18.8 |
| 94172 2001 $AH_{30}$ | 14.9 | X | 34.11089 | 2.18152 | 72.19470 | 6.02245 | 0.0793398 | 0.20535074 | 2.8453686 | 20 | — | — |
| 94173 2001 $AP_{30}$ | 14.0 | X | 88.98010 | 253.69322 | 286.09046 | 20.93843 | 0.0802419 | 0.22587735 | 2.6702644 | 20 | 7 8.3 | 17.7 |
| 94174 2001 $AP_{31}$ | 14.0 | X | 346.08147 | 301.67100 | 85.07112 | 11.42348 | 0.0549484 | 0.19190010 | 2.9768200 | 20 | 11 11.2 | 17.9 |
| 94175 2001 $AB_{32}$ | 14.9 | X | 199.83737 | 199.71593 | 307.15080 | 8.71134 | 0.0434681 | 0.18693043 | 3.0293495 | 20 | 9 24.7 | 19.5 |
| 94176 2001 $AN_{32}$ | 14.3 | X | 147.78511 | 133.41227 | 73.22548 | 11.81316 | 0.0723053 | 0.18725533 | 3.0258444 | 20 | 10 19.1 | 19.0 |
| 94177 2001 $AF_{33}$ | 14.5 | X | 308.02917 | 9.06234 | 316.02839 | 11.49794 | 0.0252746 | 0.17584622 | 3.1553486 | 20 | 6 28.4 | 19.0 |
| 94178 2001 $AS_{33}$ | 14.9 | X | 206.65472 | 104.84086 | 359.23793 | 4.21272 | 0.1892024 | 0.18070023 | 3.0985862 | 20 | 8 4.5 | 20.0 |
| 94179 2001 $AZ_{34}$ | 14.3 | X | 334.11498 | 283.71854 | 131.73065 | 24.97827 | 0.1871952 | 0.19045110 | 2.9918999 | 20 | 12 7.7 | 18.0 |
| 94180 2001 $AY_{35}$ | 14.5 | X | 12.62676 | 68.69199 | 71.11615 | 10.62226 | 0.0372565 | 0.20853974 | 2.8162865 | 20 | 1 28.2 | 18.3 |
| 94181 2001 $AS_{36}$ | 13.6 | X | 165.75464 | 110.34171 | 331.94027 | 15.77847 | 0.0675315 | 0.17145483 | 3.2089989 | 20 | 5 28.1 | 18.8 |
| 94182 2001 $AJ_{38}$ | 14.8 | X | 311.43828 | 42.55555 | 348.21258 | 12.60946 | 0.1728366 | 0.23722292 | 2.5844310 | 20 | 9 21.5 | 17.2 |
| 94183 2001 $AY_{38}$ | 15.5 | X | 55.49395 | 237.57747 | 163.93104 | 2.13242 | 0.0767553 | 0.20299959 | 2.8672966 | 20 | — | — |
| 94184 2001 $AU_{42}$ | 14.0 | X | 355.75302 | 182.89905 | 73.74425 | 15.83784 | 0.0458110 | 0.17161444 | 3.2070089 | 20 | 6 3.0 | 18.2 |
| 94185 2001 $AE_{43}$ | 14.1 | X | 25.18291 | 266.58500 | 315.57308 | 15.33131 | 0.0645547 | 0.17157627 | 3.2074845 | 20 | 5 30.5 | 18.7 |
| 94186 2001 $AH_{45}$ | 14.3 | X | 96.10990 | 49.06242 | 146.13954 | 16.56827 | 0.1060595 | 0.17732203 | 3.1378169 | 20 | 8 5.9 | 19.0 |
| 94187 2001 $AF_{52}$ | 14.0 | X | 177.92721 | 40.49921 | 63.71081 | 27.91780 | 0.1747239 | 0.17327025 | 3.1865449 | 20 | 7 8.3 | 19.6 |
| 94188 2001 $AD_{53}$ | 14.6 | X | 121.99457 | 320.33360 | 285.89658 | 10.42655 | 0.0614440 | 0.18666392 | 3.0322322 | 20 | 10 30.2 | 19.3 |
| 94189 2001 $BU$ | 14.2 | X | 198.31988 | 51.33099 | 93.08604 | 7.72813 | 0.1543658 | 0.18249498 | 3.0782374 | 20 | 9 19.5 | 19.2 |
| 94190 2001 $BY$ | 14.9 | X | 235.36830 | 128.54216 | 0.04572 | 10.91311 | 0.0834457 | 0.18568596 | 3.0428696 | 20 | 10 10.7 | 19.3 |
| 94191 2001 $BH_{1}$ | 14.8 | X | 197.17208 | 171.93800 | 326.75679 | 15.92483 | 0.1287354 | 0.24021348 | 2.5629362 | 20 | 9 10.6 | 18.8 |
| 94192 2001 $BC_{7}$ | 15.1 | X | 105.33591 | 276.32907 | 143.07322 | 13.96514 | 0.1958156 | 0.21232061 | 2.7827527 | 20 | 3 12.2 | 19.1 |
| 94193 2001 $BN_{7}$ | 14.5 | X | 115.23222 | 200.48793 | 338.70329 | 6.87494 | 0.0307294 | 0.17674496 | 3.1446431 | 20 | 8 1.5 | 18.9 |
| 94194 2001 $BQ_{8}$ | 15.1 | X | 4.10650 | 9.43074 | 86.79563 | 3.27461 | 0.0326498 | 0.20040342 | 2.8920068 | 20 | — | — |
| 94195 2001 $BU_{13}$ | 14.4 | X | 46.79761 | 140.94559 | 133.97307 | 8.84561 | 0.0502686 | 0.17904175 | 3.1176917 | 20 | 9 9.4 | 18.6 |
| 94196 2001 $BQ_{14}$ | 14.6 | X | 229.52699 | 170.40388 | 327.57819 | 5.04100 | 0.0440120 | 0.18529331 | 3.0471667 | 20 | 10 20.5 | 18.9 |
| 94197 2001 $BB_{15}$ | 14.4 | X | 335.65899 | 256.64022 | 134.14631 | 16.28442 | 0.0798316 | 0.18598051 | 3.0396559 | 20 | 11 3.8 | 18.6 |
| 94198 2001 $BL_{15}$ | 13.9 | X | 93.18335 | 237.52023 | 330.97352 | 10.86340 | 0.0918580 | 0.17439961 | 3.1727733 | 20 | 8 18.5 | 18.6 |
| 94199 2001 $BM_{16}$ | 14.2 | X | 290.65902 | 162.35388 | 357.00691 | 12.04837 | 0.0334711 | 0.19773838 | 2.9179336 | 20 | — | — |
| 94200 2001 $BF_{17}$ | 15.3 | X | 215.28033 | 143.99082 | 279.88464 | 9.76299 | 0.2014207 | 0.23133922 | 2.6280677 | 20 | 6 23.5 | 19.5 |
| 94201 2001 $BE_{18}$ | 14.6 | X | 245.00537 | 271.95912 | 165.11185 | 12.38592 | 0.0858706 | 0.18171395 | 3.0870514 | 20 | 8 18.9 | 19.2 |
| 94202 2001 $BF_{20}$ | 14.5 | X | 339.46366 | 256.22632 | 95.83958 | 11.39129 | 0.0295336 | 0.18250856 | 3.0780847 | 20 | 9 19.1 | 18.9 |
| 94203 2001 $BF_{22}$ | 15.1 | X | 190.70650 | 123.91823 | 82.23898 | 5.23812 | 0.0103265 | 0.19279054 | 2.9676470 | 20 | 12 4.3 | 19.3 |
| 94204 2001 $BR_{24}$ | 14.3 | X | 44.38053 | 172.44616 | 114.73926 | 12.03743 | 0.0858288 | 0.18207536 | 3.0829651 | 20 | 9 30.7 | 18.7 |
| 94205 2001 $BM_{25}$ | 15.7 | X | 121.02629 | 222.58211 | 206.26468 | 1.12351 | 0.2230857 | 0.21583716 | 2.7524445 | 20 | 4 9.9 | 20.0 |
| 94206 2001 $BS_{26}$ | 14.6 | X | 244.12320 | 182.63484 | 296.88178 | 7.80683 | 0.0188567 | 0.18636074 | 3.0355200 | 20 | 10 17.6 | 19.1 |
| 94207 2001 $BH_{27}$ | 14.8 | X | 268.86425 | 273.95687 | 127.84726 | 10.55263 | 0.0772085 | 0.17922222 | 3.1155984 | 20 | 8 6.5 | 19.1 |
| 94208 2001 $BA_{29}$ | 15.1 | X | 244.96291 | 329.33018 | 134.90025 | 2.78893 | 0.1537293 | 0.18507295 | 3.0495851 | 20 | 9 15.5 | 19.6 |
| 94209 2001 $BB_{33}$ | 13.9 | X | 260.31163 | 94.45721 | 327.15510 | 15.05217 | 0.0609004 | 0.17914545 | 3.1164885 | 20 | 8 22.5 | 18.2 |
| 94210 2001 $BK_{33}$ | 15.8 | X | 293.88494 | 114.51467 | 314.15364 | 5.18274 | 0.3801732 | 0.24084586 | 2.5584480 | 20 | 9 6.7 | 18.2 |
| 94211 2001 $BG_{34}$ | 14.0 | X | 297.31527 | 97.89852 | 324.23916 | 9.06168 | 0.1020434 | 0.18444657 | 3.0564854 | 20 | 10 4.3 | 18.1 |
| 94212 2001 $BV_{34}$ | 14.6 | X | 306.66320 | 148.04757 | 315.96110 | 8.80403 | 0.0565082 | 0.19214824 | 2.9742567 | 20 | 12 19.9 | 18.5 |
| 94213 2001 $BM_{35}$ | 14.6 | X | 353.26957 | 44.05922 | 313.91897 | 21.05989 | 0.0832715 | 0.18462799 | 3.0544829 | 20 | 9 29.5 | 18.9 |
| 94214 2001 $BV_{35}$ | 14.4 | X | 250.68230 | 165.14018 | 347.21575 | 12.41438 | 0.0653479 | 0.19162040 | 2.9797161 | 20 | 11 30.8 | 18.7 |
| 94215 2001 $BO_{42}$ | 14.7 | X | 156.08208 | 164.63757 | 253.65716 | 9.13025 | 0.2266690 | 0.21910549 | 2.7250044 | 20 | 4 26.1 | 19.4 |
| 94216 2001 $BT_{42}$ | 15.2 | X | 159.50863 | 224.18369 | 177.00338 | 9.79954 | 0.2290633 | 0.21746799 | 2.7386666 | 20 | 4 11.8 | 19.8 |
| 94217 2001 $BH_{44}$ | 14.7 | X | 202.13140 | 296.50892 | 198.94902 | 6.33332 | 0.1810188 | 0.18189506 | 3.0850020 | 20 | 9 5.1 | 19.8 |
| 94218 2001 $BK_{45}$ | 13.6 | X | 131.71056 | 194.32988 | 313.32792 | 27.05019 | 0.1276353 | 0.17182916 | 3.2043366 | 20 | 7 22.6 | 18.7 |
| 94219 2001 $BP_{45}$ | 13.8 | X | 77.83107 | 317.33015 | 268.02847 | 25.85070 | 0.1343625 | 0.17757489 | 3.1348374 | 20 | 8 13.5 | 18.8 |
| 94220 2001 $BF_{46}$ | 14.2 | X | 312.68586 | 97.43629 | 261.58112 | 15.48425 | 0.0411251 | 0.17970105 | 3.1100615 | 20 | 8 8.6 | 18.7 |
| 94221 2001 $BD_{47}$ | 15.2 | X | 287.04331 | 222.36599 | 227.99110 | 9.43656 | 0.0813772 | 0.18977889 | 2.9989607 | 20 | 11 1.8 | 19.1 |
| 94222 2001 $BE_{48}$ | 15.2 | X | 308.26086 | 274.76970 | 171.06532 | 13.74598 | 0.1187946 | 0.19185996 | 2.9772353 | 20 | 11 28.2 | 19.0 |
| 94223 2001 $BU_{53}$ | 15.1 | X | 33.29714 | 306.31610 | 85.23768 | 8.14747 | 0.2257451 | 0.19963737 | 2.8994001 | 20 | — | — |
| 94224 2001 $BA_{57}$ | 14.7 | X | 292.63555 | 180.39224 | 222.56495 | 8.53104 | 0.2570697 | 0.23803362 | 2.5785597 | 20 | 8 17.2 | 17.7 |
| 94225 2001 $BO_{59}$ | 14.3 | X | 214.85445 | 281.19393 | 152.14641 | 26.68984 | 0.1560623 | 0.17532322 | 3.1616206 | 20 | 7 7.3 | 19.7 |
| 94226 2001 $BA_{61}$ | 14.5 | X | 292.98191 | 168.13068 | 262.70630 | 26.81588 | 0.1562376 | 0.23963406 | 2.5670659 | 20 | 10 8.7 | 18.0 |
| 94227 2001 $BK_{61}$ | 14.2 | X | 292.49273 | 113.83611 | 260.28829 | 13.99458 | 0.0412060 | 0.17775350 | 3.1327370 | 20 | 8 1.9 | 18.7 |
| 94228 Leesuikwan | 14.0 | X | 256.13798 | 76.53780 | 335.78462 | 21.57406 | 0.1266398 | 0.22824572 | 2.6517604 | 20 | 8 6.1 | 17.8 |
| 94229 2001 $BR_{62}$ | 14.7 | X | 59.13296 | 323.06159 | 152.04292 | 9.60088 | 0.1131291 | 0.21043426 | 2.7993579 | 20 | 3 7.0 | 18.0 |
| 94230 2001 $BU_{63}$ | 13.2 | X | 269.79551 | 297.37255 | 327.67152 | 15.10043 | 0.0654818 | 0.15624206 | 3.4140568 | 20 | 2 21.0 | 18.0 |
| 94231 2001 $BQ_{65}$ | 14.1 | X | 137.57153 | 199.03660 | 285.42589 | 10.85219 | 0.0989703 | 0.16983249 | 3.2294026 | 20 | 6 24.1 | 19.0 |
| 94232 2001 $BG_{67}$ | 14.3 | X | 133.30084 | 307.01523 | 179.12074 | 14.11725 | 0.1386286 | 0.16945500 | 3.2341969 | 20 | 6 24.2 | 19.6 |
| 94233 2001 $BG_{68}$ | 13.8 | X | 69.48537 | 24.55647 | 342.96561 | 13.25808 | 0.2072312 | 0.19565827 | 2.9385781 | 20 | — | — |
| 94234 2001 $BE_{74}$ | 15.1 | X | 200.49189 | 102.60880 | 311.74078 | 10.43731 | 0.1868944 | 0.22499799 | 2.6772173 | 20 | 5 28.2 | 19.7 |
| 94235 2001 $BO_{74}$ | 14.6 | X | 192.39404 | 178.53995 | 324.65090 | 14.56315 | 0.0594705 | 0.18040384 | 3.1019791 | 20 | 9 9.8 | 19.3 |
| 94236 2001 $BU_{75}$ | 13.8 | X | 279.20207 | 72.76043 | 284.42327 | 17.16991 | 0.2050587 | 0.17471764 | 3.1689219 | 20 | 6 4.1 | 18.4 |
| 94237 2001 $BJ_{78}$ | 15.5 | X | 125.51046 | 222.94543 | 184.93226 | 7.62703 | 0.1226008 | 0.21232522 | 2.7827124 | 20 | 3 7.8 | 19.6 |
| 94238 2001 $CM_{6}$ | 15.3 | X | 141.21750 | 56.68676 | 81.29772 | 2.02394 | 0.1440261 | 0.17233640 | 3.1980460 | 20 | 7 17.2 | 20.4 |
| 94239 2001 $CT_{6}$ | 14.0 | X | 128.40988 | 225.01722 | 334.76908 | 14.83292 | 0.0869587 | 0.17869921 | 3.1216746 | 20 | 9 11.9 | 18.8 |
| 94240 2001 $CO_{7}$ | 14.7 | X | 220.70630 | 296.74069 | 132.44243 | 15.55381 | 0.0703990 | 0.17383741 | 3.1796102 | 20 | 7 13.9 | 19.5 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94241 2001 $CC_8$ | 14.5 | X | 88.92447 | 184.58060 | 353.11026 | 6.73686 | 0.0564555 | 0.16933671 | 3.2357028 | 20 | 6 30.3 | 19.1 |
| 94242 2001 $CE_9$ | 14.0 | X | 116.54053 | 207.51314 | 351.99208 | 8.42689 | 0.0997329 | 0.17631689 | 3.1497308 | 20 | 9 3.7 | 18.7 |
| 94243 2001 $CB_{10}$ | 14.3 | X | 188.46517 | 5.44085 | 98.77937 | 11.87034 | 0.1555087 | 0.17458628 | 3.1705113 | 20 | 7 19.9 | 19.5 |
| 94244 2001 $CP_{10}$ | 14.5 | X | 330.62010 | 270.43358 | 107.62742 | 12.14024 | 0.1086950 | 0.18536085 | 3.0464265 | 20 | 10 10.0 | 18.4 |
| 94245 2001 $CW_{11}$ | 14.7 | X | 227.13447 | 89.97749 | 348.08874 | 8.63114 | 0.0986987 | 0.17811890 | 3.1284511 | 20 | 8 1.2 | 19.4 |
| 94246 2001 $CP_{15}$ | 13.9 | X | 240.00596 | 273.39703 | 332.01086 | 8.95944 | 0.0178444 | 0.15090732 | 3.4940505 | 20 | 1 4.1 | 19.0 |
| 94247 2001 $CA_{18}$ | 15.3 | X | 200.45740 | 316.73686 | 161.29441 | 2.71187 | 0.1269038 | 0.18088234 | 3.0965061 | 20 | 8 17.9 | 20.2 |
| 94248 2001 $CX_{21}$ | 14.3 | X | 102.08888 | 252.80560 | 333.97799 | 5.40026 | 0.1258848 | 0.18077181 | 3.0977681 | 20 | 9 22.3 | 19.0 |
| 94249 2001 $CN_{24}$ | 14.9 | X | 193.53045 | 258.80912 | 264.42697 | 5.42432 | 0.0902860 | 0.18527817 | 3.0473328 | 20 | 10 5.7 | 19.7 |
| 94250 2001 $CZ_{26}$ | 14.4 | X | 204.36247 | 320.23685 | 132.23437 | 19.42385 | 0.1228313 | 0.17294828 | 3.1904985 | 20 | 7 21.3 | 19.4 |
| 94251 2001 $CS_{27}$ | 13.5 | X | 68.74559 | 119.98441 | 110.61116 | 21.12632 | 0.0886614 | 0.17433883 | 3.1735106 | 20 | 8 18.4 | 18.1 |
| 94252 2001 $CF_{28}$ | 14.1 | X | 292.76081 | 18.03414 | 356.76458 | 11.66099 | 0.0250458 | 0.17760310 | 3.1345054 | 20 | 8 14.2 | 18.5 |
| 94253 2001 $CN_{28}$ | 14.5 | X | 123.69543 | 191.68816 | 349.01748 | 13.38711 | 0.1231349 | 0.17590391 | 3.1546587 | 20 | 8 22.8 | 19.4 |
| 94254 2001 $CS_{29}$ | 15.1 | X | 302.71270 | 345.78808 | 109.42556 | 5.06798 | 0.0407289 | 0.19096071 | 2.9865746 | 20 | 12 4.4 | 19.1 |
| 94255 2001 $CX_{30}$ | 14.9 | X | 201.33352 | 13.47373 | 65.76056 | 10.55925 | 0.2180228 | 0.22563837 | 2.6721495 | 20 | 6 29.2 | 19.5 |
| 94256 2001 $CS_{33}$ | 14.7 | X | 344.72396 | 38.28322 | 73.35045 | 17.36587 | 0.1694162 | 0.19912987 | 2.9043243 | 20 | — | — |
| 94257 2001 $CJ_{35}$ | 13.9 | X | 243.22818 | 23.05753 | 29.21995 | 21.99025 | 0.0575922 | 0.17398171 | 3.1778519 | 20 | 7 28.2 | 18.9 |
| 94258 2001 $CZ_{36}$ | 14.8 | X | 242.10016 | 254.01346 | 203.11811 | 5.49778 | 0.1068521 | 0.18335490 | 3.0686054 | 20 | 9 6.8 | 19.4 |
| 94259 2001 $CQ_{38}$ | 15.0 | X | 318.83345 | 62.14008 | 336.46844 | 12.87945 | 0.1620461 | 0.24059771 | 2.5602069 | 20 | 10 15.8 | 17.8 |
| 94260 2001 $CJ_{40}$ | 14.1 | X | 179.92566 | 113.47089 | 7.70713 | 10.37046 | 0.0533237 | 0.17574650 | 3.1565422 | 20 | 8 7.4 | 18.9 |
| 94261 2001 $CL_{40}$ | 14.4 | X | 270.25356 | 302.80303 | 91.82690 | 15.01042 | 0.0350783 | 0.17680228 | 3.1439633 | 20 | 8 7.4 | 18.9 |
| 94262 2001 $CK_{43}$ | 14.7 | X | 143.43021 | 45.66346 | 51.10866 | 17.84122 | 0.2053286 | 0.21737403 | 2.7394557 | 20 | 5 31.2 | 19.3 |
| 94263 2001 $CC_{44}$ | 14.0 | X | 156.22310 | 168.93709 | 354.85547 | 27.79730 | 0.1268863 | 0.17799988 | 3.1298456 | 20 | 9 6.1 | 19.1 |
| 94264 2001 $CG_{44}$ | 14.2 | X | 84.00369 | 195.94822 | 12.33076 | 17.52793 | 0.0734829 | 0.17304502 | 3.1893093 | 20 | 8 11.9 | 19.0 |
| 94265 2001 $CU_{45}$ | 13.8 | X | 0.62945 | 161.16043 | 113.07542 | 22.28506 | 0.0279248 | 0.16907043 | 3.2390994 | 20 | 7 3.1 | 18.2 |
| 94266 2001 $DO$ | 13.6 | X | 40.04836 | 93.71587 | 195.38526 | 8.58541 | 0.0881577 | 0.12577095 | 3.9453223 | 20 | 9 12.2 | 18.9 |
| 94267 2001 $DR_3$ | 14.8 | X | 169.14989 | 160.55447 | 3.03106 | 12.20358 | 0.0400789 | 0.18234364 | 3.0799403 | 20 | 9 15.7 | 19.3 |
| 94268 2001 $DR_{10}$ | 14.7 | X | 207.39709 | 253.26992 | 175.49796 | 9.57880 | 0.0652209 | 0.17349326 | 3.1838137 | 20 | 6 28.6 | 19.6 |
| 94269 2001 $DS_{18}$ | 13.6 | X | 140.57288 | 192.50524 | 0.63995 | 19.66387 | 0.0810306 | 0.17772657 | 3.1330535 | 20 | 9 20.1 | 18.2 |
| 94270 2001 $DZ_{19}$ | 14.0 | X | 240.20475 | 15.00673 | 5.66536 | 12.62269 | 0.1396907 | 0.17061534 | 3.2195165 | 20 | 5 25.8 | 19.1 |
| 94271 2001 $DO_{21}$ | 14.0 | X | 161.39122 | 166.45189 | 13.99184 | 19.67670 | 0.1537267 | 0.17721406 | 3.1390912 | 20 | 9 27.7 | 19.2 |
| 94272 2001 $DB_{24}$ | 15.0 | X | 143.88356 | 92.26015 | 83.95808 | 2.31670 | 0.1116786 | 0.17782192 | 3.1319334 | 20 | 9 4.2 | 19.9 |
| 94273 2001 $DR_{29}$ | 14.5 | X | 318.74417 | 37.38047 | 2.45252 | 9.84628 | 0.0571444 | 0.18316103 | 3.0707703 | 20 | 10 12.9 | 18.5 |
| 94274 2001 $DC_{30}$ | 14.6 | X | 159.36590 | 136.77981 | 8.04630 | 7.70016 | 0.1512879 | 0.17544665 | 3.1601376 | 20 | 8 14.1 | 19.8 |
| 94275 2001 $DN_{34}$ | 13.5 | X | 71.88134 | 270.51273 | 338.18894 | 8.08597 | 0.1511958 | 0.12562909 | 3.9482919 | 20 | 9 12.7 | 19.1 |
| 94276 2001 $DQ_{34}$ | 14.3 | X | 113.66247 | 22.50270 | 140.86052 | 10.11167 | 0.0260322 | 0.17383770 | 3.1796067 | 20 | 7 7.8 | 18.9 |
| 94277 2001 $DR_{35}$ | 15.2 | X | 133.94455 | 358.98823 | 181.40509 | 1.78395 | 0.1069025 | 0.17764706 | 3.1339883 | 20 | 8 28.6 | 20.1 |
| 94278 2001 $DT_{36}$ | 14.2 | X | 68.34038 | 113.60685 | 325.28886 | 9.27778 | 0.0509157 | 0.15455084 | 3.4389179 | 20 | 2 4.2 | 18.8 |
| 94279 2001 $DD_{40}$ | 14.6 | X | 275.85907 | 257.39316 | 162.18851 | 10.72064 | 0.0808843 | 0.18327087 | 3.0695433 | 20 | 9 7.5 | 18.8 |
| 94280 2001 $DG_{42}$ | 15.0 | X | 213.76442 | 291.21261 | 143.05692 | 10.39445 | 0.2286222 | 0.17511573 | 3.1641176 | 20 | 7 1.7 | 20.4 |
| 94281 2001 $DN_{44}$ | 14.3 | X | 266.58716 | 44.73452 | 342.07775 | 8.35928 | 0.0835735 | 0.17361150 | 3.1823680 | 20 | 7 15.4 | 18.8 |
| 94282 2001 $DO_{46}$ | 14.4 | X | 272.16457 | 232.92613 | 144.68275 | 15.72034 | 0.2600336 | 0.17512433 | 3.1640139 | 20 | 6 15.7 | 19.3 |
| 94283 2001 $DJ_{48}$ | 14.4 | X | 1.46282 | 301.42256 | 97.50306 | 10.72538 | 0.0608014 | 0.19224780 | 2.9732297 | 20 | 12 15.4 | 18.4 |
| 94284 2001 $DW_{51}$ | 13.9 | X | 28.48110 | 254.07583 | 61.45278 | 10.71286 | 0.0888612 | 0.18067856 | 3.0988339 | 20 | 10 13.9 | 18.1 |
| 94285 2001 $DY_{51}$ | 14.6 | X | 107.65658 | 132.11091 | 63.13748 | 10.29296 | 0.0357600 | 0.17479550 | 3.1679809 | 20 | 8 15.7 | 19.3 |
| 94286 2001 $DK_{58}$ | 14.3 | X | 34.75073 | 347.67694 | 287.26543 | 9.10560 | 0.0774350 | 0.17327416 | 3.1864970 | 20 | 8 21.3 | 18.6 |
| 94287 2001 $DU_{60}$ | 14.4 | X | 65.81975 | 10.73032 | 206.64425 | 2.84549 | 0.0903564 | 0.17195604 | 3.2027603 | 20 | 7 25.0 | 18.8 |
| 94288 2001 $DY_{62}$ | 15.5 | X | 114.39636 | 258.00966 | 148.04741 | 15.19884 | 0.3083656 | 0.21154178 | 2.7895787 | 20 | 3 19.0 | 20.0 |
| 94289 2001 $DD_{68}$ | 14.5 | X | 219.27653 | 160.76685 | 338.60167 | 11.77360 | 0.1603490 | 0.18354734 | 3.0664601 | 20 | 9 25.9 | 19.4 |
| 94290 2001 $DQ_{79}$ | 15.0 | X | 239.33063 | 157.75583 | 252.87002 | 11.85684 | 0.2779397 | 0.22890416 | 2.6466729 | 20 | 6 21.5 | 19.3 |
| 94291 Django | 15.0 | X | 260.60836 | 74.11533 | 346.44087 | 13.18645 | 0.1885743 | 0.17821353 | 3.1273436 | 20 | 8 7.3 | 19.6 |
| 94292 2001 $DN_{95}$ | 14.5 | X | 233.91526 | 283.10249 | 192.90563 | 20.83068 | 0.1767699 | 0.18250139 | 3.0781652 | 20 | 9 11.6 | 19.3 |
| 94293 2001 $DT_{95}$ | 14.0 | X | 192.46614 | 288.30321 | 118.01667 | 6.99544 | 0.0218968 | 0.16853815 | 3.2459157 | 20 | 5 18.6 | 18.8 |
| 94294 2001 $DY_{96}$ | 15.0 | X | 308.19410 | 64.08494 | 350.62832 | 9.91943 | 0.1075746 | 0.18583308 | 3.0412633 | 20 | 10 12.2 | 18.8 |
| 94295 2001 $DD_{97}$ | 14.9 | X | 300.36179 | 36.56556 | 357.15302 | 9.33268 | 0.0998326 | 0.18090732 | 3.0962211 | 20 | 9 7.2 | 18.9 |
| 94296 2001 $DK_{101}$ | 14.7 | X | 209.76230 | 44.21885 | 29.41714 | 9.79888 | 0.0571047 | 0.17360348 | 3.1824659 | 20 | 7 9.8 | 19.6 |
| 94297 2001 $DZ_{102}$ | 14.9 | X | 1.44743 | 199.20229 | 148.77223 | 1.84661 | 0.1747977 | 0.18206039 | 3.0831340 | 20 | 10 20.5 | 18.2 |
| 94298 2001 $DW_{105}$ | 14.6 | X | 213.01177 | 263.09293 | 245.22499 | 7.78276 | 0.0839939 | 0.18580478 | 3.0415722 | 20 | 10 9.0 | 19.1 |
| 94299 2001 $DB_{108}$ | 13.5 | X | 83.97947 | 197.10337 | 30.40037 | 11.92762 | 0.1862118 | 0.12435263 | 3.9752647 | 20 | 9 11.4 | 19.4 |
| 94300 2001 $ED_1$ | 14.3 | X | 219.17059 | 25.46673 | 99.60235 | 9.12968 | 0.1409710 | 0.18288260 | 3.0738862 | 20 | 9 18.0 | 19.1 |
| 94301 2001 $EF_8$ | 13.9 | X | 259.88647 | 253.66692 | 16.02650 | 8.02639 | 0.0147683 | 0.15335091 | 3.4568336 | 20 | 2 25.2 | 18.9 |
| 94302 2001 $EY_{15}$ | 13.6 | X | 245.13794 | 31.45448 | 45.87681 | 21.67447 | 0.1040173 | 0.17378244 | 3.1802807 | 20 | 8 29.7 | 18.7 |
| 94303 2001 $EH_{17}$ | 13.8 | X | 164.72113 | 1.94692 | 125.16655 | 25.30759 | 0.1409183 | 0.16973504 | 3.2306386 | 20 | 7 25.4 | 19.0 |
| 94304 2001 $ER_{24}$ | 14.5 | X | 126.65999 | 322.64844 | 160.06821 | 8.69332 | 0.1264503 | 0.16919460 | 3.2375145 | 20 | 6 13.3 | 19.6 |
| 94305 2001 $FX_2$ | 14.6 | X | 153.20134 | 140.25880 | 346.40041 | 17.60833 | 0.2059406 | 0.17080267 | 3.2171621 | 20 | 7 21.3 | 20.2 |
| 94306 2001 $FS_{11}$ | 13.9 | X | 291.85171 | 346.94054 | 20.39623 | 19.53956 | 0.0535153 | 0.16960570 | 3.2322808 | 20 | 8 3.4 | 18.7 |
| 94307 2001 $FJ_{13}$ | 14.6 | X | 164.78960 | 89.12764 | 32.40786 | 4.15475 | 0.1277211 | 0.16986694 | 3.2289660 | 20 | 7 19.5 | 19.8 |
| 94308 2001 $FD_{15}$ | 14.1 | X | 78.58626 | 287.23269 | 165.12090 | 1.96100 | 0.0593528 | 0.15327642 | 3.4579536 | 20 | 3 4.2 | 18.8 |
| 94309 2001 $FX_{33}$ | 13.9 | X | 294.70151 | 80.92096 | 317.81742 | 13.82853 | 0.1008246 | 0.17978436 | 3.1091006 | 20 | 8 31.1 | 18.0 |
| 94310 2001 $FJ_{34}$ | 15.0 | X | 138.05932 | 111.84929 | 346.45395 | 12.97570 | 0.1718616 | 0.21719646 | 2.7409486 | 20 | 5 24.9 | 19.6 |
| 94311 2001 $FG_{35}$ | 14.5 | X | 189.50134 | 302.23281 | 186.98358 | 13.25980 | 0.1192024 | 0.17742845 | 3.1365620 | 20 | 8 18.6 | 19.7 |
| 94312 2001 $FP_{37}$ | 13.7 | X | 337.63059 | 54.83130 | 2.96700 | 13.99169 | 0.1399843 | 0.18722920 | 3.0261260 | 20 | 12 4.5 | 17.5 |
| 94313 2001 $FE_{41}$ | 13.5 | X | 214.58384 | 82.11490 | 359.34518 | 25.28514 | 0.2449779 | 0.17368120 | 3.1815165 | 20 | 7 18.0 | 19.3 |
| 94314 2001 $FV_{49}$ | 14.3 | X | 198.33390 | 287.81298 | 208.16473 | 15.57870 | 0.1921409 | 0.17722487 | 3.1389636 | 20 | 8 29.7 | 19.7 |
| 94315 2001 $FA_{59}$ | 13.7 | X | 224.00726 | 57.26221 | 354.36278 | 13.93521 | 0.0894128 | 0.17248270 | 3.1962373 | 20 | 6 24.8 | 18.8 |
| 94316 2001 $FY_{63}$ | 14.5 | X | 268.91439 | 72.40848 | 16.71790 | 10.82892 | 0.0910806 | 0.18127420 | 3.0920420 | 20 | 10 4.5 | 18.7 |
| 94317 2001 $FG_{64}$ | 14.4 | X | 162.92529 | 110.68037 | 21.43627 | 12.05112 | 0.0695858 | 0.17112255 | 3.2131517 | 20 | 8 2.5 | 19.4 |
| 94318 2001 $FD_{97}$ | 14.1 | X | 271.26436 | 339.61592 | 50.67905 | 16.90111 | 0.1244486 | 0.17013185 | 3.2256133 | 20 | 7 20.7 | 18.9 |
| 94319 2001 $FX_{100}$ | 14.4 | X | 283.75527 | 86.65186 | 26.68177 | 11.62204 | 0.1574040 | 0.18502961 | 3.0500612 | 20 | 11 13.5 | 18.3 |
| 94320 2001 $FH_{109}$ | 14.2 | X | 127.64139 | 129.98989 | 23.84638 | 5.37297 | 0.0725071 | 0.16833492 | 3.2485277 | 20 | 7 18.6 | 19.1 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94321 2001 $FA_{111}$ | 14.7 | X | 151.14223 | 276.99183 | 202.29389 | 5.07920 | 0.0703172 | 0.16699303 | 3.2659071 | 20 | 6 29.6 | 19.7 |
| 94322 2001 $FW_{111}$ | 14.6 | X | 182.69721 | 262.69665 | 214.26452 | 9.21657 | 0.0653460 | 0.17169072 | 3.2060590 | 20 | 7 28.8 | 19.6 |
| 94323 2001 $FS_{121}$ | 14.4 | X | 305.04460 | 24.71804 | 40.22114 | 10.67281 | 0.1005124 | 0.18420896 | 3.0591132 | 20 | 10 25.1 | 18.2 |
| 94324 2001 $FB_{127}$ | 14.4 | X | 100.54394 | 357.44747 | 143.09871 | 7.41982 | 0.0791239 | 0.16278266 | 3.3219821 | 20 | 6 1.5 | 19.2 |
| 94325 2001 $FW_{138}$ | 14.6 | X | 276.98530 | 203.58596 | 244.36259 | 9.72125 | 0.0946867 | 0.18118054 | 3.0931075 | 20 | 10 9.6 | 18.8 |
| 94326 2001 $FW_{139}$ | 14.2 | X | 217.33407 | 127.35057 | 337.54819 | 16.55607 | 0.1985239 | 0.17656132 | 3.1468232 | 20 | 8 15.7 | 19.3 |
| 94327 2001 $FN_{140}$ | 14.2 | X | 244.33328 | 9.97236 | 73.17545 | 6.26397 | 0.1231523 | 0.17681115 | 3.1438582 | 20 | 8 24.5 | 18.8 |
| 94328 2001 $FQ_{152}$ | 14.9 | X | 140.03589 | 19.72999 | 113.41963 | 6.69530 | 0.0821931 | 0.16859877 | 3.2451376 | 20 | 7 5.9 | 19.8 |
| 94329 2001 $FG_{156}$ | 14.9 | X | 103.46414 | 170.67685 | 9.91368 | 0.54339 | 0.1202329 | 0.16984421 | 3.2292540 | 20 | 7 28.9 | 19.8 |
| 94330 2001 $FV_{162}$ | 14.7 | X | 164.32180 | 313.38167 | 172.52981 | 9.46381 | 0.0384860 | 0.17398404 | 3.1778235 | 20 | 7 20.9 | 19.4 |
| 94331 2001 $FR_{177}$ | 14.5 | X | 165.05481 | 296.65714 | 189.20550 | 17.23384 | 0.1084792 | 0.16883008 | 3.2421729 | 20 | 7 20.8 | 19.9 |
| 94332 2001 $KF$ | 16.1 | X | 22.91395 | 99.79464 | 153.04997 | 24.21482 | 0.0604854 | 0.36782603 | 1.9291874 | 20 | 7 21.9 | 18.0 |
| 94333 2001 $KZ_{52}$ | 13.6 | X | 269.93182 | 39.37800 | 10.50160 | 22.04895 | 0.0562531 | 0.17081629 | 3.2169910 | 20 | 8 30.3 | 18.4 |
| 94334 2001 $OU_{85}$ | 15.6 | X | 198.97682 | 185.21000 | 227.52083 | 19.62075 | 0.0924324 | 0.35424841 | 1.9781723 | 20 | 5 29.3 | 18.1 |
| 94335 2001 $OV_{91}$ | 16.6 | X | 61.91036 | 44.96557 | 177.08469 | 21.78774 | 0.1238653 | 0.36288692 | 1.9466528 | 20 | 8 16.9 | 18.9 |
| 94336 2001 $PE_{16}$ | 17.1 | X | 240.12865 | 73.93139 | 330.11170 | 18.15611 | 0.1091600 | 0.36049932 | 1.9552386 | 20 | 7 14.0 | 19.5 |
| 94337 2001 $QQ_{22}$ | 16.5 | X | 325.03829 | 72.16109 | 307.66187 | 2.12709 | 0.1635520 | 0.31243205 | 2.1509600 | 20 | 10 29.9 | 17.7 |
| 94338 2001 $QA_{28}$ | 16.3 | X | 257.39318 | 245.72158 | 144.92368 | 3.56771 | 0.1698597 | 0.30280657 | 2.1963044 | 20 | 6 29.7 | 19.1 |
| 94339 2001 $QY_{60}$ | 16.5 | X | 132.44266 | 145.76080 | 348.88765 | 18.95768 | 0.0605817 | 0.35786479 | 1.9648229 | 20 | 7 11.3 | 19.2 |
| 94340 2001 $QN_{73}$ | 15.5 | X | 69.29537 | 33.18430 | 80.44026 | 23.63755 | 0.1844410 | 0.28672917 | 2.2776560 | 20 | 4 8.1 | 18.5 |
| 94341 2001 $QM_{74}$ | 16.1 | X | 254.39222 | 40.91994 | 356.10222 | 5.95027 | 0.1557382 | 0.30202254 | 2.2001037 | 20 | 7 8.6 | 18.9 |
| 94342 2001 $QS_{75}$ | 15.9 | X | 224.99848 | 337.66026 | 20.50706 | 9.41801 | 0.2397231 | 0.29387193 | 2.2405982 | 20 | 4 6.6 | 19.6 |
| 94343 2001 $QB_{76}$ | 15.8 | X | 155.51066 | 29.48630 | 359.16532 | 6.75884 | 0.1827811 | 0.28623540 | 2.2802746 | 20 | 3 15.9 | 19.1 |
| 94344 2001 $QN_{83}$ | 15.6 | X | 248.50740 | 357.46959 | 323.21473 | 4.55026 | 0.2164244 | 0.29493612 | 2.2352052 | 20 | 3 10.1 | 19.2 |
| 94345 2001 $QB_{86}$ | 16.0 | X | 30.37073 | 1.32853 | 236.10412 | 18.52655 | 0.0545644 | 0.35967571 | 1.9582222 | 20 | 7 3.2 | 18.0 |
| 94346 2001 $QU_{88}$ | 14.2 | X | 329.32708 | 225.34215 | 271.60520 | 22.00931 | 0.2449490 | 0.27145724 | 2.3623002 | 20 | — | — |
| 94347 2001 $QW_{88}$ | 15.4 | X | 327.89436 | 139.15203 | 255.28420 | 18.18264 | 0.0988905 | 0.36611447 | 1.9351952 | 20 | 12 14.1 | 16.7 |
| 94348 2001 $QL_{93}$ | 15.9 | X | 187.34563 | 21.27888 | 358.87059 | 5.54661 | 0.1122647 | 0.29023671 | 2.2592683 | 20 | 4 1.0 | 18.9 |
| 94349 2001 $QC_{102}$ | 16.1 | X | 304.14451 | 2.98427 | 12.83053 | 5.05365 | 0.1956245 | 0.30778722 | 2.1725461 | 20 | 8 28.7 | 17.5 |
| 94350 2001 $QU_{104}$ | 16.3 | X | 226.31497 | 19.61096 | 353.65840 | 5.63679 | 0.1998024 | 0.29621632 | 2.2287605 | 20 | 4 26.8 | 19.8 |
| 94351 2001 $QA_{107}$ | 15.1 | X | 199.70666 | 152.29763 | 285.68436 | 18.97164 | 0.1040273 | 0.35644407 | 1.9700403 | 20 | 7 7.1 | 17.4 |
| 94352 2001 $QD_{169}$ | 16.1 | X | 157.52418 | 323.49356 | 132.27856 | 7.48152 | 0.0964048 | 0.29679034 | 2.2258858 | 20 | 6 11.3 | 19.2 |
| 94353 2001 $QY_{169}$ | 16.2 | X | 173.28863 | 219.05553 | 163.34561 | 1.82913 | 0.1682282 | 0.28687817 | 2.2768673 | 20 | 3 24.1 | 19.5 |
| 94354 2001 $QG_{171}$ | 16.5 | X | 233.92276 | 258.22842 | 161.84553 | 23.00861 | 0.1097358 | 0.36142480 | 1.9518993 | 20 | 7 23.5 | 19.1 |
| 94355 2001 $QS_{177}$ | 15.2 | X | 321.62474 | 145.89046 | 344.64838 | 6.45997 | 0.0830924 | 0.26919099 | 2.3755401 | 20 | — | — |
| 94356 Naruto | 15.5 | X | 133.32580 | 349.60800 | 94.50220 | 5.86239 | 0.1423117 | 0.29087853 | 2.2559438 | 20 | 5 3.2 | 18.6 |
| 94357 2001 $QZ_{178}$ | 15.9 | X | 332.61221 | 271.96146 | 35.51710 | 8.75429 | 0.1634646 | 0.30463040 | 2.1875294 | 20 | 7 8.2 | 17.6 |
| 94358 2001 $QE_{219}$ | 16.4 | X | 146.72567 | 283.53670 | 155.38241 | 2.45296 | 0.1380125 | 0.29345392 | 2.2427254 | 20 | 5 9.2 | 19.6 |
| 94359 2001 $QC_{249}$ | 16.4 | X | 235.86141 | 355.88512 | 35.77117 | 6.41924 | 0.1720474 | 0.29921885 | 2.2138256 | 20 | 6 3.8 | 19.5 |
| 94360 2001 $RW_{15}$ | 15.9 | X | 2.55495 | 111.30568 | 238.38880 | 19.63959 | 0.0967964 | 0.36794160 | 1.9287834 | 20 | 12 3.6 | 17.5 |
| 94361 2001 $RT_{22}$ | 16.8 | X | 279.91891 | 122.89478 | 288.57235 | 1.69768 | 0.0870484 | 0.31266786 | 2.1498783 | 20 | 9 21.4 | 18.7 |
| 94362 2001 $RS_{46}$ | 16.0 | X | 181.12066 | 164.63113 | 32.07304 | 22.43706 | 0.0300974 | 0.37216552 | 1.9141617 | 20 | 12 18.9 | 18.4 |
| 94363 2001 $RK_{47}$ | 16.7 | X | 21.70181 | 194.28871 | 4.37152 | 18.84727 | 0.0469558 | 0.35014184 | 1.9936092 | 20 | 4 8.8 | 18.5 |
| 94364 2001 $RG_{68}$ | 16.3 | X | 156.02669 | 101.52617 | 332.30387 | 7.49049 | 0.0223755 | 0.29558316 | 2.2319421 | 20 | 4 29.6 | 19.2 |
| 94365 2001 $RN_{70}$ | 16.2 | X | 331.40360 | 91.89057 | 219.05071 | 6.73148 | 0.1562470 | 0.30552124 | 2.1832750 | 20 | 7 9.1 | 17.9 |
| 94366 2001 $RS_{70}$ | 16.3 | X | 187.48910 | 203.26164 | 244.89952 | 6.07484 | 0.0603915 | 0.30100583 | 2.2050551 | 20 | 7 5.7 | 19.1 |
| 94367 2001 $RK_{72}$ | 16.2 | X | 159.45066 | 104.81765 | 317.31919 | 3.56878 | 0.1111529 | 0.29286260 | 2.2457433 | 20 | 4 25.9 | 19.4 |
| 94368 2001 $RN_{78}$ | 16.6 | X | 226.38202 | 256.59255 | 174.94764 | 4.09875 | 0.1302375 | 0.30211270 | 2.1996659 | 20 | 7 24.1 | 19.5 |
| 94369 2001 $RE_{137}$ | 16.6 | X | 158.86732 | 313.08986 | 107.74144 | 5.04201 | 0.1368107 | 0.29374559 | 2.2412406 | 20 | 4 29.0 | 19.9 |
| 94370 2001 $RA_{148}$ | 16.4 | X | 339.55358 | 329.96846 | 350.64257 | 19.73358 | 0.0847375 | 0.36395314 | 1.9428491 | 20 | 9 1.8 | 17.6 |
| 94371 2001 $SZ_{9}$ | 16.1 | X | 167.64682 | 72.15299 | 30.07253 | 4.16769 | 0.0809775 | 0.29658634 | 2.2269063 | 20 | 7 1.6 | 19.0 |
| 94372 2001 $SH_{11}$ | 16.9 | X | 76.23632 | 294.85058 | 304.42222 | 4.03121 | 0.0678243 | 0.31156217 | 2.1549618 | 20 | 9 18.2 | 19.3 |
| 94373 2001 $SQ_{29}$ | 16.2 | X | 72.31867 | 150.31499 | 17.77124 | 4.63648 | 0.1093234 | 0.29691400 | 2.2252677 | 20 | 6 3.8 | 18.6 |
| 94374 2001 $SO_{33}$ | 16.6 | X | 137.82452 | 258.15312 | 185.10382 | 6.11374 | 0.0546118 | 0.29373682 | 2.2412852 | 20 | 4 26.8 | 19.3 |
| 94375 2001 $SQ_{39}$ | 16.9 | X | 299.89075 | 318.23185 | 51.92021 | 5.15086 | 0.0881658 | 0.30730980 | 2.1747956 | 20 | 8 25.5 | 18.9 |
| 94376 2001 $SW_{54}$ | 15.1 | X | 106.36112 | 74.31863 | 38.93803 | 7.16103 | 0.1068403 | 0.29151234 | 2.2526727 | 20 | 5 3.4 | 17.7 |
| 94377 2001 $SR_{61}$ | 16.5 | X | 245.28665 | 168.19457 | 187.73169 | 6.44310 | 0.1383521 | 0.29767117 | 2.2214926 | 20 | 5 1.7 | 19.4 |
| 94378 2001 $SU_{68}$ | 15.6 | X | 22.72951 | 333.10058 | 123.74815 | 5.55349 | 0.1922464 | 0.27423123 | 2.3463427 | 20 | — | — |
| 94379 2001 $SY_{68}$ | 16.0 | X | 4.70326 | 312.65000 | 137.19878 | 5.82293 | 0.2255127 | 0.27040904 | 2.3684010 | 20 | — | — |
| 94380 2001 $SD_{69}$ | 16.9 | X | 280.20994 | 212.24311 | 163.87218 | 4.65653 | 0.1812402 | 0.30351085 | 2.1929054 | 20 | 7 9.3 | 19.3 |
| 94381 2001 $ST_{69}$ | 16.0 | X | 198.50194 | 272.24542 | 151.03318 | 6.99155 | 0.1151597 | 0.29621429 | 2.2287707 | 20 | 6 12.4 | 19.2 |
| 94382 2001 $SC_{71}$ | 16.1 | X | 126.42984 | 322.21406 | 95.29202 | 5.64550 | 0.1461900 | 0.28449215 | 2.2895802 | 20 | 3 21.9 | 19.2 |
| 94383 2001 $SO_{71}$ | 16.2 | X | 205.64763 | 308.45352 | 81.58585 | 7.93734 | 0.1730018 | 0.29295673 | 2.2452622 | 20 | 5 5.1 | 19.7 |
| 94384 2001 $SR_{106}$ | 15.1 | X | 301.90328 | 250.76859 | 238.23620 | 8.79586 | 0.0927520 | 0.26899771 | 2.3766779 | 20 | — | — |
| 94385 2001 $SC_{107}$ | 15.9 | X | 141.65402 | 69.25344 | 321.53754 | 5.28740 | 0.1727991 | 0.28537691 | 2.2848455 | 20 | 3 2.4 | 19.0 |
| 94386 2001 $SL_{108}$ | 15.2 | X | 228.40491 | 182.47728 | 305.09045 | 5.79631 | 0.0280508 | 0.30892642 | 2.1672018 | 20 | 10 31.5 | 17.7 |
| 94387 2001 $SP_{108}$ | 15.6 | X | 148.68304 | 54.08258 | 339.29374 | 4.23564 | 0.1315811 | 0.28454858 | 2.2892775 | 20 | 3 9.9 | 18.8 |
| 94388 2001 $SH_{111}$ | 15.7 | X | 99.26146 | 114.01722 | 323.39904 | 6.87101 | 0.1824328 | 0.28169281 | 2.3047237 | 20 | 3 14.4 | 18.4 |
| 94389 2001 $SJ_{111}$ | 15.3 | X | 337.17925 | 132.43572 | 283.95696 | 5.19098 | 0.1099690 | 0.26154375 | 2.4216227 | 20 | 12 28.0 | 17.6 |
| 94390 2001 $SW_{112}$ | 15.9 | X | 158.37382 | 174.76305 | 208.35883 | 5.74402 | 0.1780669 | 0.28621438 | 2.2803863 | 20 | 3 9.3 | 19.4 |
| 94391 2001 $SE_{113}$ | 16.6 | X | 125.20053 | 17.09922 | 57.91560 | 2.40995 | 0.1319157 | 0.28656344 | 2.2785341 | 20 | 4 8.9 | 19.6 |
| 94392 2001 $SU_{133}$ | 16.7 | X | 276.06375 | 92.53903 | 321.14102 | 3.41440 | 0.0498573 | 0.31084984 | 2.1582527 | 20 | 9 22.9 | 18.9 |
| 94393 2001 $SR_{160}$ | 15.8 | X | 119.33018 | 172.25899 | 327.92753 | 4.75163 | 0.1339542 | 0.29785722 | 2.2205674 | 20 | 7 1.8 | 18.8 |
| 94394 2001 $SG_{168}$ | 16.8 | X | 143.22244 | 304.19396 | 247.20951 | 3.37617 | 0.0401910 | 0.31029918 | 2.1608053 | 20 | 10 6.2 | 19.5 |
| 94395 2001 $SR_{168}$ | 16.8 | X | 347.38479 | 231.69523 | 58.77604 | 2.80297 | 0.1343306 | 0.30355868 | 2.1926751 | 20 | 7 14.1 | 18.3 |
| 94396 2001 $SN_{213}$ | 16.4 | X | 339.79060 | 194.02998 | 75.70714 | 5.09000 | 0.2460284 | 0.30408648 | 2.1901371 | 20 | 5 5.1 | 17.4 |
| 94397 2001 $ST_{245}$ | 16.6 | X | 276.69569 | 205.06432 | 177.87522 | 3.26235 | 0.0811760 | 0.30445457 | 2.1883715 | 20 | 8 1.3 | 18.8 |
| 94398 2001 $SH_{254}$ | 15.6 | X | 275.52455 | 22.84537 | 196.19753 | 5.74511 | 0.2121199 | 0.28024805 | 2.3126379 | 20 | — | — |
| 94399 2001 $SK_{261}$ | 16.7 | X | 71.67865 | 27.25534 | 253.13290 | 1.52994 | 0.1290896 | 0.31505617 | 2.1389997 | 20 | 11 19.3 | 19.3 |
| 94400 Hongdaeyong | 17.2 | X | 23.09041 | 223.36837 | 15.09055 | 2.79587 | 0.1346820 | 0.30319174 | 2.1944438 | 20 | 7 3.5 | 18.9 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94401 2001 $ST_{270}$ | 15.4 | X | 70.05816 | 117.89398 | 349.79546 | 7.09892 | 0.0811644 | 0.28393891 | 2.2925533 | 20 | 2 28.5 | 17.8 |
| 94402 2001 $SW_{277}$ | 15.3 | X | 25.76384 | 277.07980 | 253.96694 | 7.91506 | 0.1205217 | 0.28695988 | 2.2764351 | 20 | 3 11.7 | 17.6 |
| 94403 2001 $SM_{286}$ | 16.4 | X | 162.84153 | 245.66711 | 160.10419 | 6.93145 | 0.0949664 | 0.28892448 | 2.2661039 | 20 | 4 10.5 | 19.6 |
| 94404 2001 $SO_{287}$ | 16.8 | X | 279.25286 | 177.14546 | 141.41350 | 6.29692 | 0.1949105 | 0.29855329 | 2.2171146 | 20 | 4 14.4 | 19.7 |
| 94405 2001 $SX_{306}$ | 17.5 | X | 320.37773 | 348.14175 | 355.79051 | 2.71876 | 0.1553650 | 0.30705076 | 2.1760186 | 20 | 8 14.5 | 18.8 |
| 94406 2001 $SR_{347}$ | 16.3 | X | 317.78418 | 305.91311 | 264.24206 | 6.28654 | 0.0874252 | 0.28647300 | 2.2790136 | 20 | 1 20.1 | 19.1 |
| 94407 2001 $TC_{6}$ | 16.3 | X | 356.92144 | 28.95537 | 136.61167 | 4.53242 | 0.0564569 | 0.28459364 | 2.2890358 | 20 | 1 21.6 | 18.9 |
| 94408 2001 $TF_{9}$ | 14.8 | X | 10.96351 | 253.07335 | 248.16955 | 22.56015 | 0.2785058 | 0.27472897 | 2.3435078 | 20 | — | — |
| 94409 2001 $TU_{10}$ | 16.6 | X | 169.05589 | 111.61868 | 4.74229 | 3.19524 | 0.0681190 | 0.30117406 | 2.2042339 | 20 | 7 24.6 | 19.4 |
| 94410 2001 $TU_{12}$ | 15.6 | X | 325.05798 | 35.46295 | 85.05707 | 2.29786 | 0.1355735 | 0.26630167 | 2.3926919 | 20 | — | — |
| 94411 2001 $TA_{17}$ | 17.0 | X | 294.70134 | 111.71603 | 273.32925 | 2.48152 | 0.1854699 | 0.30772348 | 2.1728461 | 20 | 8 20.5 | 18.5 |
| 94412 2001 $TM_{18}$ | 15.5 | X | 17.52403 | 65.54555 | 31.37975 | 2.63691 | 0.1702079 | 0.27301884 | 2.3532838 | 20 | — | — |
| 94413 2001 $TN_{20}$ | 15.7 | X | 215.75706 | 319.82146 | 340.30225 | 7.30798 | 0.1301182 | 0.28336738 | 2.2956349 | 20 | 1 21.3 | 19.2 |
| 94414 2001 $TX_{23}$ | 15.6 | X | 212.37924 | 200.02457 | 355.65669 | 2.25122 | 0.1509045 | 0.26675019 | 2.3900091 | 20 | 12 16.1 | 18.9 |
| 94415 2001 $TY_{28}$ | 16.1 | X | 56.77652 | 197.90621 | 343.05759 | 5.52159 | 0.0455785 | 0.29368365 | 2.2415557 | 20 | 5 17.5 | 18.7 |
| 94416 2001 $TZ_{28}$ | 15.5 | X | 124.34888 | 224.07553 | 290.45254 | 4.98245 | 0.1594761 | 0.24438688 | 2.5336743 | 20 | 7 25.5 | 19.4 |
| 94417 2001 $TL_{31}$ | 16.1 | X | 75.47176 | 176.85454 | 279.74326 | 6.50352 | 0.0730735 | 0.28281717 | 2.2986113 | 20 | 2 16.4 | 18.7 |
| 94418 2001 $TJ_{32}$ | 15.9 | X | 198.90325 | 299.18693 | 336.08818 | 6.81330 | 0.1040774 | 0.27584964 | 2.3371564 | 20 | — | — |
| 94419 2001 $TE_{33}$ | 15.8 | X | 355.95144 | 303.73198 | 315.18541 | 7.10668 | 0.1075256 | 0.29601937 | 2.2297489 | 20 | 6 6.2 | 17.8 |
| 94420 2001 $TO_{33}$ | 16.0 | X | 121.17783 | 150.14719 | 320.34855 | 5.06127 | 0.0729988 | 0.29072528 | 2.2567365 | 20 | 5 12.9 | 18.9 |
| 94421 2001 $TY_{33}$ | 15.9 | X | 21.52401 | 241.30183 | 313.72774 | 6.92921 | 0.0452823 | 0.28894785 | 2.2659817 | 20 | 4 9.0 | 18.5 |
| 94422 2001 $TY_{36}$ | 15.7 | X | 112.05709 | 51.81182 | 4.14317 | 6.41117 | 0.1560638 | 0.28142762 | 2.3061713 | 20 | 3 2.1 | 18.4 |
| 94423 2001 $TR_{37}$ | 16.0 | X | 118.11737 | 98.27787 | 357.88988 | 3.73541 | 0.0781980 | 0.28671813 | 2.2777145 | 20 | 4 19.9 | 18.9 |
| 94424 2001 $TW_{39}$ | 16.4 | X | 229.49722 | 341.76973 | 21.43595 | 7.16881 | 0.1803816 | 0.29352531 | 2.2423617 | 20 | 4 19.3 | 19.9 |
| 94425 2001 $TD_{40}$ | 15.1 | X | 6.54516 | 150.14803 | 294.06200 | 5.54255 | 0.0922730 | 0.26814927 | 2.3816885 | 20 | — | — |
| 94426 2001 $TF_{40}$ | 15.4 | X | 358.68310 | 69.37191 | 358.90540 | 8.03047 | 0.1235735 | 0.26521877 | 2.3992005 | 20 | — | — |
| 94427 2001 $TG_{40}$ | 15.2 | X | 250.32193 | 320.12003 | 2.00996 | 8.45525 | 0.0989070 | 0.28794003 | 2.2712661 | 20 | 3 25.3 | 18.1 |
| 94428 2001 $TH_{40}$ | 15.8 | X | 218.47526 | 25.85083 | 344.88971 | 5.42720 | 0.2196780 | 0.29208164 | 2.2497445 | 20 | 4 15.7 | 19.5 |
| 94429 2001 $TK_{41}$ | 16.2 | X | 257.97717 | 15.89119 | 17.82523 | 7.01646 | 0.2240522 | 0.29961332 | 2.2118821 | 20 | 6 27.1 | 19.2 |
| 94430 2001 $TM_{41}$ | 14.4 | X | 10.06902 | 105.62889 | 53.01502 | 12.92689 | 0.1185484 | 0.22366039 | 2.6878807 | 20 | 2 15.7 | 17.7 |
| 94431 2001 $TZ_{41}$ | 15.7 | X | 9.19214 | 130.14220 | 325.98363 | 6.22017 | 0.0837181 | 0.26880219 | 2.3778302 | 20 | — | — |
| 94432 2001 $TC_{43}$ | 15.5 | X | 219.94028 | 2.70900 | 358.86941 | 6.41590 | 0.1944273 | 0.28867062 | 2.2674323 | 20 | 4 7.1 | 19.1 |
| 94433 2001 $TL_{44}$ | 15.7 | X | 352.10524 | 65.18068 | 6.77334 | 4.99916 | 0.1637849 | 0.26405803 | 2.4062263 | 20 | — | — |
| 94434 2001 $TN_{44}$ | 15.6 | X | 138.98599 | 53.73913 | 354.84247 | 5.30290 | 0.0845800 | 0.28201083 | 2.3029907 | 20 | 3 14.3 | 18.4 |
| 94435 2001 $TS_{44}$ | 14.7 | X | 104.87987 | 95.89195 | 59.13351 | 13.63530 | 0.0017887 | 0.23544466 | 2.5974278 | 20 | 6 13.1 | 18.1 |
| 94436 2001 $TP_{46}$ | 15.6 | X | 86.34442 | 21.98136 | 62.50942 | 24.45962 | 0.2152589 | 0.27708957 | 2.3301789 | 20 | 3 31.2 | 18.9 |
| 94437 2001 $TO_{53}$ | 17.4 | X | 30.69653 | 142.47060 | 187.83840 | 3.79937 | 0.0711360 | 0.31543937 | 2.1372670 | 20 | 11 29.2 | 19.7 |
| 94438 2001 $TV_{62}$ | 16.5 | X | 157.84077 | 25.00940 | 42.07496 | 4.99723 | 0.0981843 | 0.29248610 | 2.2476701 | 20 | 5 1.8 | 19.3 |
| 94439 2001 $TY_{62}$ | 16.3 | X | 288.95481 | 161.55049 | 184.09749 | 3.79950 | 0.0083914 | 0.30065070 | 2.2067912 | 20 | 7 6.1 | 18.8 |
| 94440 2001 $TH_{65}$ | 16.3 | X | 297.61368 | 265.83484 | 60.45861 | 5.62714 | 0.1464665 | 0.30044406 | 2.2078029 | 20 | 5 27.8 | 18.5 |
| 94441 2001 $TL_{68}$ | 16.3 | X | 26.80930 | 176.59857 | 45.92515 | 7.30685 | 0.0414653 | 0.29579049 | 2.2308990 | 20 | 6 1.9 | 18.6 |
| 94442 2001 $TL_{72}$ | 16.9 | X | 289.48073 | 176.06340 | 189.67863 | 5.91038 | 0.1593422 | 0.30406387 | 2.1902457 | 20 | 7 12.5 | 19.0 |
| 94443 2001 $TD_{76}$ | 16.2 | X | 246.85071 | 247.40727 | 83.37762 | 4.85154 | 0.2061741 | 0.29430317 | 2.2384089 | 20 | 3 26.2 | 19.6 |
| 94444 2001 $TK_{76}$ | 15.7 | X | 116.73633 | 67.28025 | 52.86473 | 4.98887 | 0.0917166 | 0.29232709 | 2.2484851 | 20 | 5 24.9 | 18.4 |
| 94445 2001 $TM_{79}$ | 16.4 | X | 146.53473 | 347.44228 | 77.05879 | 4.74585 | 0.1353421 | 0.28955647 | 2.2628054 | 20 | 4 20.4 | 19.6 |
| 94446 2001 $TE_{90}$ | 16.1 | X | 66.41321 | 135.24998 | 348.66060 | 9.19927 | 0.1297069 | 0.28713053 | 2.2755330 | 20 | 3 21.4 | 18.4 |
| 94447 2001 $TQ_{94}$ | 16.1 | X | 170.22068 | 186.14005 | 265.02923 | 4.18377 | 0.1241466 | 0.29735978 | 2.2230432 | 20 | 6 19.0 | 19.3 |
| 94448 2001 $TV_{96}$ | 16.0 | X | 151.31673 | 204.03571 | 262.38667 | 2.43882 | 0.1049186 | 0.29634041 | 2.2281382 | 20 | 6 18.5 | 19.1 |
| 94449 2001 $TJ_{101}$ | 16.3 | X | 232.99612 | 167.23926 | 179.93520 | 4.29954 | 0.1895540 | 0.29247554 | 2.2477242 | 20 | 4 2.3 | 19.6 |
| 94450 2001 $TG_{103}$ | 17.0 | X | 55.47869 | 89.58533 | 224.43168 | 5.45935 | 0.1588824 | 0.31628219 | 2.1334685 | 20 | 12 19.5 | 19.8 |
| 94451 2001 $TD_{105}$ | 16.6 | X | 163.34546 | 171.82469 | 208.14769 | 5.77539 | 0.1110768 | 0.28671746 | 2.2777180 | 20 | 3 4.9 | 19.8 |
| 94452 2001 $TV_{105}$ | 15.8 | X | 356.90128 | 98.62694 | 350.69203 | 1.91965 | 0.1955562 | 0.26804155 | 2.3823266 | 20 | — | — |
| 94453 2001 $TD_{106}$ | 16.2 | X | 274.83230 | 354.82056 | 57.03080 | 4.40950 | 0.1588250 | 0.30484373 | 2.1865087 | 20 | 9 3.0 | 18.2 |
| 94454 2001 $TG_{106}$ | 16.1 | X | 269.88445 | 45.15721 | 9.40245 | 2.44506 | 0.1642285 | 0.30417546 | 2.1897100 | 20 | 8 26.5 | 18.3 |
| 94455 2001 $TD_{107}$ | 15.2 | X | 212.46517 | 106.97767 | 291.38569 | 2.81787 | 0.1282682 | 0.29249317 | 2.2476338 | 20 | 5 22.4 | 18.3 |
| 94456 2001 $TY_{107}$ | 15.6 | X | 313.04691 | 102.20274 | 351.31847 | 2.13957 | 0.1608585 | 0.26005696 | 2.4308439 | 20 | — | — |
| 94457 2001 $TC_{111}$ | 16.2 | X | 38.67739 | 225.25923 | 241.94916 | 4.72203 | 0.0793076 | 0.28012681 | 2.3133052 | 20 | 1 5.0 | 18.5 |
| 94458 2001 $TQ_{111}$ | 16.2 | X | 190.06575 | 152.25572 | 245.12667 | 5.43931 | 0.1340937 | 0.29323742 | 2.2438292 | 20 | 4 26.7 | 19.5 |
| 94459 2001 $TU_{113}$ | 16.0 | X | 90.15838 | 136.85973 | 306.51474 | 3.31103 | 0.1278840 | 0.28313993 | 2.2968641 | 20 | 3 1.6 | 18.6 |
| 94460 2001 $TC_{114}$ | 16.4 | X | 169.82967 | 103.18444 | 299.25415 | 3.89142 | 0.1496473 | 0.29015803 | 2.2596768 | 20 | 4 12.3 | 19.7 |
| 94461 2001 $TN_{116}$ | 15.8 | X | 316.42496 | 70.80360 | 21.85944 | 5.47434 | 0.1656621 | 0.26245785 | 2.4159967 | 20 | — | — |
| 94462 2001 $TR_{126}$ | 16.4 | X | 260.91582 | 208.25780 | 22.33964 | 5.13061 | 0.1789278 | 0.28027206 | 2.3125059 | 20 | — | — |
| 94463 2001 $TH_{127}$ | 16.3 | X | 111.44182 | 91.42415 | 340.51652 | 3.53373 | 0.1327509 | 0.28403605 | 2.2920306 | 20 | 3 17.1 | 19.1 |
| 94464 2001 $TM_{127}$ | 17.3 | X | 308.38796 | 213.53065 | 191.01276 | 1.03068 | 0.0751570 | 0.31299211 | 2.1483933 | 20 | 11 4.1 | 19.2 |
| 94465 2001 $TB_{152}$ | 15.7 | X | 277.61923 | 23.29543 | 160.93567 | 9.39704 | 0.1398349 | 0.27410126 | 2.3470843 | 20 | — | — |
| 94466 2001 $TH_{155}$ | 16.1 | X | 219.64370 | 19.65492 | 217.50408 | 2.02410 | 0.1209933 | 0.27372688 | 2.3492239 | 20 | — | — |
| 94467 2001 $TS_{164}$ | 17.3 | X | 277.30999 | 257.12304 | 83.73334 | 0.43772 | 0.1250188 | 0.29957841 | 2.2120539 | 20 | 5 22.1 | 19.6 |
| 94468 2001 $TS_{165}$ | 15.5 | X | 351.91766 | 266.84006 | 300.11317 | 4.32102 | 0.1457323 | 0.28825855 | 2.2695927 | 20 | 2 29.7 | 17.7 |
| 94469 2001 $TC_{166}$ | 16.0 | X | 211.96558 | 299.98474 | 341.62418 | 6.27563 | 0.1256075 | 0.27974899 | 2.3153876 | 20 | — | — |
| 94470 2001 $TB_{169}$ | 16.2 | X | 241.99934 | 93.82590 | 322.05861 | 6.60025 | 0.0780621 | 0.30130115 | 2.2036140 | 20 | 7 31.3 | 18.6 |
| 94471 2001 $TD_{178}$ | 16.1 | X | 329.00456 | 300.57027 | 264.97088 | 5.80496 | 0.1740508 | 0.28671312 | 2.2777410 | 20 | 1 16.0 | 18.6 |
| 94472 2001 $TD_{183}$ | 16.2 | X | 65.84140 | 183.09505 | 287.27313 | 4.56441 | 0.1084510 | 0.28368809 | 2.2939044 | 20 | 2 25.8 | 18.5 |
| 94473 2001 $TP_{188}$ | 16.4 | X | 107.33203 | 155.72929 | 297.85077 | 1.92078 | 0.0957713 | 0.28736600 | 2.2742898 | 20 | 4 4.3 | 19.1 |
| 94474 2001 $TR_{189}$ | 15.9 | X | 251.57507 | 9.32607 | 265.44299 | 5.92351 | 0.0809171 | 0.28393235 | 2.2925886 | 20 | 1 25.1 | 19.0 |
| 94475 2001 $TJ_{190}$ | 16.4 | X | 243.33639 | 345.18808 | 24.98265 | 8.56743 | 0.1600669 | 0.29747707 | 2.2224588 | 20 | 5 13.6 | 19.5 |
| 94476 2001 $TT_{190}$ | 15.7 | X | 21.42299 | 225.97415 | 7.96309 | 5.92822 | 0.0889707 | 0.29605608 | 2.2295646 | 20 | 6 15.6 | 17.9 |
| 94477 2001 $TF_{192}$ | 15.5 | X | 342.50504 | 147.16333 | 318.25824 | 6.50952 | 0.0887120 | 0.26808915 | 2.3820446 | 20 | — | — |
| 94478 2001 $TV_{194}$ | 15.7 | X | 125.48190 | 90.41802 | 353.42718 | 4.32855 | 0.1142848 | 0.28416069 | 2.2913603 | 20 | 4 16.9 | 18.7 |
| 94479 2001 $TV_{224}$ | 15.9 | X | 314.61305 | 299.88055 | 245.89285 | 2.85226 | 0.1840770 | 0.27863677 | 2.3215449 | 20 | — | — |
| 94480 2001 $UN_{4}$ | 15.5 | X | 266.06410 | 177.52270 | 48.98305 | 6.42635 | 0.0474600 | 0.27758057 | 2.3274302 | 20 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94481 2001 $UO_4$ | 16.6 | X | 126.40483 | 6.20331 | 45.03687 | 7.58795 | 0.1040053 | 0.28443232 | 2.2899012 | 20 | 3 8.6 | 19.6 |
| 94482 2001 $UV_6$ | 15.5 | X | 148.26062 | 174.39390 | 62.15559 | 3.55031 | 0.0785164 | 0.26211331 | 2.4181134 | 20 | 12 3.1 | 18.9 |
| 94483 2001 $UP_{10}$ | 15.9 | X | 267.71147 | 237.48274 | 204.55400 | 5.59130 | 0.1024696 | 0.30749354 | 2.1739291 | 20 | 10 15.3 | 18.0 |
| 94484 2001 $UR_{10}$ | 16.3 | X | 345.96945 | 278.04259 | 200.48550 | 6.06316 | 0.0473990 | 0.27093084 | 2.3653591 | 20 | — | — |
| 94485 2001 $UU_{11}$ | 16.5 | X | 10.40706 | 205.92675 | 155.97545 | 2.04657 | 0.1535424 | 0.31350945 | 2.1460292 | 20 | 12 27.4 | 18.6 |
| 94486 2001 $UV_{11}$ | 16.1 | X | 250.14930 | 234.26892 | 89.65933 | 4.87051 | 0.2241250 | 0.29154918 | 2.2524829 | 20 | 3 19.3 | 19.7 |
| 94487 2001 $UA_{14}$ | 16.1 | X | 321.55123 | 176.85910 | 189.82638 | 4.28425 | 0.1277499 | 0.30600176 | 2.1809888 | 20 | 9 26.6 | 17.7 |
| 94488 2001 $UW_{23}$ | 16.2 | X | 115.08419 | 104.93167 | 318.58892 | 6.88935 | 0.1061639 | 0.28579310 | 2.2826267 | 20 | 3 4.6 | 18.9 |
| 94489 2001 $UN_{33}$ | 15.7 | X | 27.42380 | 78.21974 | 130.47349 | 6.89470 | 0.1243955 | 0.29405761 | 2.2396549 | 20 | 5 23.3 | 17.7 |
| 94490 2001 $UO_{34}$ | 15.6 | X | 318.97816 | 20.95112 | 151.17333 | 7.00234 | 0.0477662 | 0.27785251 | 2.3259114 | 20 | — | — |
| 94491 2001 $UF_{36}$ | 14.8 | X | 331.90243 | 267.04663 | 175.80408 | 11.28841 | 0.1439068 | 0.26455550 | 2.4032089 | 20 | — | — |
| 94492 2001 $UV_{36}$ | 15.7 | X | 357.15613 | 77.61979 | 114.74337 | 6.70520 | 0.0343099 | 0.28703402 | 2.2760430 | 20 | 3 4.9 | 18.2 |
| 94493 2001 $UB_{42}$ | 16.1 | X | 141.60256 | 90.29071 | 74.54321 | 2.09837 | 0.1155148 | 0.30346834 | 2.1931102 | 20 | 8 30.3 | 19.0 |
| 94494 2001 $UG_{46}$ | 16.9 | X | 298.83990 | 5.55379 | 44.28306 | 1.36701 | 0.1519360 | 0.31016982 | 2.1614060 | 20 | 10 19.8 | 18.1 |
| 94495 2001 $US_{46}$ | 15.5 | X | 266.89210 | 110.58666 | 108.02025 | 4.10543 | 0.1946708 | 0.27720250 | 2.3295460 | 20 | — | — |
| 94496 2001 $UW_{48}$ | 16.2 | X | 137.57357 | 308.27949 | 90.22797 | 7.24007 | 0.0978449 | 0.28479887 | 2.2879360 | 20 | 3 3.9 | 19.3 |
| 94497 2001 $UB_{50}$ | 16.2 | X | 63.75385 | 244.98053 | 189.04084 | 10.19039 | 0.1095689 | 0.27751111 | 2.3278186 | 20 | 1 2.0 | 18.7 |
| 94498 2001 $UM_{50}$ | 16.3 | X | 227.82945 | 222.41548 | 143.08271 | 7.23709 | 0.1263980 | 0.29391847 | 2.2403616 | 20 | 4 28.1 | 19.6 |
| 94499 2001 $UB_{51}$ | 16.9 | X | 235.51398 | 230.98560 | 147.60232 | 7.10406 | 0.2115723 | 0.29693075 | 2.2251840 | 20 | 5 16.1 | 20.4 |
| 94500 2001 $US_{51}$ | 15.7 | X | 255.90611 | 17.40541 | 212.76234 | 6.75857 | 0.0739829 | 0.27827873 | 2.3235358 | 20 | — | — |
| 94501 2001 $UN_{56}$ | 17.2 | X | 12.61128 | 36.48736 | 207.82378 | 3.57569 | 0.1346344 | 0.30086537 | 2.2057413 | 20 | 6 19.8 | 19.0 |
| 94502 2001 $UV_{59}$ | 16.3 | X | 318.65499 | 254.69551 | 343.83017 | 1.27789 | 0.0291362 | 0.28935325 | 2.2638647 | 20 | 3 11.0 | 19.0 |
| 94503 2001 $UW_{64}$ | 16.0 | X | 203.85511 | 30.59711 | 314.80763 | 3.45677 | 0.0954593 | 0.28795521 | 2.2711863 | 20 | 3 3.8 | 19.1 |
| 94504 2001 $UE_{65}$ | 16.5 | X | 117.26533 | 224.36355 | 243.29926 | 6.05372 | 0.1762541 | 0.28878703 | 2.2668229 | 20 | 5 18.8 | 19.7 |
| 94505 2001 $UF_{67}$ | 17.3 | X | 102.56849 | 317.50832 | 161.56311 | 1.20223 | 0.0663378 | 0.29211809 | 2.2495574 | 20 | 4 30.9 | 20.0 |
| 94506 2001 $UX_{74}$ | 16.4 | X | 314.62324 | 139.14031 | 106.42888 | 3.59403 | 0.0356509 | 0.28885196 | 2.2664832 | 20 | 3 16.3 | 18.9 |
| 94507 2001 $UC_{75}$ | 16.9 | X | 254.01739 | 160.42768 | 185.36970 | 5.35410 | 0.2089146 | 0.29719014 | 2.2238891 | 20 | 4 19.7 | 20.2 |
| 94508 2001 $UL_{76}$ | 16.5 | X | 137.59455 | 0.82242 | 151.62160 | 3.08177 | 0.0510772 | 0.30168297 | 2.2017543 | 20 | 8 3.6 | 19.2 |
| 94509 2001 $UF_{81}$ | 15.3 | X | 51.94186 | 11.05320 | 207.73280 | 6.90951 | 0.2412350 | 0.29856651 | 2.2170492 | 20 | 8 10.4 | 17.8 |
| 94510 2001 $UO_{82}$ | 15.5 | X | 232.77795 | 190.93582 | 52.14327 | 11.54330 | 0.1252018 | 0.27642442 | 2.3339154 | 20 | — | — |
| 94511 2001 $UA_{84}$ | 16.1 | X | 215.63848 | 278.61023 | 69.78457 | 7.36074 | 0.1520821 | 0.28944493 | 2.2633867 | 20 | 3 23.9 | 19.6 |
| 94512 2001 $US_{90}$ | 15.5 | X | 319.74963 | 126.99256 | 62.10556 | 5.03729 | 0.1538517 | 0.27951436 | 2.3166831 | 20 | — | — |
| 94513 2001 $UC_{99}$ | 15.7 | X | 353.94003 | 60.35352 | 70.37322 | 5.27127 | 0.1182434 | 0.27400567 | 2.3476301 | 20 | — | — |
| 94514 2001 $UZ_{105}$ | 15.9 | X | 317.89067 | 352.60003 | 181.98203 | 2.36562 | 0.1577784 | 0.27700411 | 2.3306581 | 20 | — | — |
| 94515 2001 $UQ_{107}$ | 16.2 | X | 278.63358 | 16.73279 | 198.40349 | 5.24946 | 0.0535861 | 0.27827185 | 2.3235741 | 20 | — | — |
| 94516 2001 $UA_{109}$ | 16.2 | X | 156.74469 | 354.06114 | 50.13592 | 3.73921 | 0.1553502 | 0.28753483 | 2.2733994 | 20 | 4 5.2 | 19.5 |
| 94517 2001 $UH_{109}$ | 15.9 | X | 100.79161 | 206.14811 | 226.78853 | 4.91640 | 0.1486214 | 0.28223000 | 2.3017983 | 20 | 3 4.9 | 18.6 |
| 94518 2001 $UQ_{109}$ | 16.4 | X | 168.48300 | 175.93050 | 206.71039 | 5.78326 | 0.1271068 | 0.28640699 | 2.2793638 | 20 | 3 15.6 | 19.7 |
| 94519 2001 $UY_{110}$ | 16.3 | X | 235.56284 | 0.51075 | 242.72557 | 3.02913 | 0.1246303 | 0.27856953 | 2.3219185 | 20 | — | — |
| 94520 2001 $UF_{112}$ | 16.3 | X | 19.02397 | 308.22655 | 222.52572 | 6.04360 | 0.0533503 | 0.28591578 | 2.2819737 | 20 | 3 1.5 | 19.0 |
| 94521 2001 $UA_{113}$ | 16.1 | X | 34.58588 | 201.55077 | 342.59018 | 3.18641 | 0.0572939 | 0.28935414 | 2.2638601 | 20 | 4 17.8 | 18.5 |
| 94522 2001 $UH_{113}$ | 16.9 | X | 88.40686 | 299.49057 | 178.15753 | 2.79161 | 0.0455252 | 0.28861181 | 2.2677403 | 20 | 4 4.8 | 19.4 |
| 94523 2001 $UM_{121}$ | 16.0 | X | 279.11973 | 37.79492 | 209.08501 | 6.44872 | 0.0784107 | 0.28360133 | 2.2943722 | 20 | 1 20.7 | 19.2 |
| 94524 2001 $UR_{121}$ | 15.9 | X | 47.49220 | 126.91603 | 73.56614 | 6.23918 | 0.1108879 | 0.29338204 | 2.2430917 | 20 | 6 13.5 | 18.0 |
| 94525 2001 $UV_{122}$ | 15.4 | X | 322.13636 | 100.24394 | 63.84099 | 7.52993 | 0.0535464 | 0.27498530 | 2.3420513 | 20 | — | — |
| 94526 2001 $UL_{130}$ | 16.5 | X | 356.71862 | 105.98206 | 143.79235 | 2.80710 | 0.1342943 | 0.29812677 | 2.2192287 | 20 | 5 24.4 | 18.1 |
| 94527 2001 $UA_{136}$ | 16.0 | X | 268.97163 | 42.19686 | 142.95934 | 3.23581 | 0.1181720 | 0.27131258 | 2.3631399 | 20 | — | — |
| 94528 2001 $UO_{142}$ | 16.5 | X | 357.80479 | 197.09102 | 46.45541 | 6.16310 | 0.0883236 | 0.29570293 | 2.2313394 | 20 | 5 15.9 | 18.4 |
| 94529 2001 $UK_{145}$ | 16.6 | X | 332.50718 | 118.82848 | 140.50764 | 2.72502 | 0.0247897 | 0.29311553 | 2.2444512 | 20 | 5 3.0 | 19.0 |
| 94530 2001 $US_{146}$ | 15.8 | X | 171.54024 | 54.11694 | 168.93592 | 2.44154 | 0.1596649 | 0.26295876 | 2.4129276 | 20 | 12 6.1 | 19.6 |
| 94531 2001 $UZ_{152}$ | 16.4 | X | 99.57153 | 346.50220 | 82.17266 | 0.26901 | 0.1868302 | 0.28163834 | 2.3050209 | 20 | 3 6.0 | 19.0 |
| 94532 2001 $UZ_{154}$ | 17.0 | X | 280.70686 | 290.76597 | 68.76221 | 7.61902 | 0.1898612 | 0.30073277 | 2.2063897 | 20 | 6 12.9 | 19.3 |
| 94533 2001 $UD_{155}$ | 15.4 | X | 131.55781 | 239.38404 | 65.81626 | 7.55226 | 0.1347760 | 0.26967192 | 2.3727150 | 20 | — | — |
| 94534 2001 $UB_{156}$ | 16.6 | X | 49.96696 | 287.69904 | 210.98462 | 4.08838 | 0.0696921 | 0.28471976 | 2.2883598 | 20 | 3 7.8 | 19.0 |
| 94535 2001 $UA_{157}$ | 17.3 | X | 226.50961 | 195.59143 | 145.50332 | 2.00461 | 0.1431787 | 0.29084282 | 2.2561284 | 20 | 3 21.9 | 20.7 |
| 94536 2001 $UV_{157}$ | 15.9 | X | 171.34280 | 59.72519 | 205.13750 | 5.74276 | 0.0885227 | 0.26951583 | 2.3736310 | 20 | — | — |
| 94537 2001 $UV_{158}$ | 16.2 | X | 6.02901 | 333.00447 | 203.89179 | 6.32140 | 0.0984212 | 0.28291481 | 2.2980824 | 20 | 2 15.9 | 18.6 |
| 94538 2001 $UQ_{160}$ | 16.6 | X | 33.24847 | 56.61802 | 51.39470 | 2.31534 | 0.0374619 | 0.27743178 | 2.3282623 | 20 | — | — |
| 94539 2001 $US_{164}$ | 16.2 | X | 34.04881 | 349.44499 | 157.66276 | 5.50382 | 0.0868242 | 0.28437823 | 2.2901916 | 20 | 2 24.3 | 18.3 |
| 94540 2001 $UF_{171}$ | 16.2 | X | 81.82652 | 267.97344 | 246.82641 | 4.90807 | 0.0607071 | 0.29194334 | 2.2504550 | 20 | 5 21.6 | 18.5 |
| 94541 2001 $UF_{172}$ | 16.6 | X | 352.23002 | 326.93551 | 208.21178 | 5.29894 | 0.0311330 | 0.28445696 | 2.2897690 | 20 | 1 29.4 | 19.4 |
| 94542 2001 $UK_{172}$ | 16.1 | X | 215.16649 | 147.29306 | 72.65963 | 3.32727 | 0.1552079 | 0.27126971 | 2.3633889 | 20 | — | — |
| 94543 2001 $UX_{174}$ | 16.8 | X | 264.69853 | 106.68861 | 215.87642 | 0.75232 | 0.1026009 | 0.29420018 | 2.2389313 | 20 | 4 11.9 | 19.4 |
| 94544 2001 $UB_{179}$ | 16.3 | X | 8.23350 | 42.43879 | 156.67620 | 5.98240 | 0.0382197 | 0.29033409 | 2.2587631 | 20 | 3 30.4 | 18.7 |
| 94545 2001 $UU_{188}$ | 16.2 | X | 246.94480 | 311.59993 | 310.66850 | 3.64733 | 0.1466198 | 0.28240772 | 2.3008325 | 20 | 1 2.4 | 19.5 |
| 94546 2001 $UY_{202}$ | 16.9 | X | 9.20739 | 255.32611 | 2.20725 | 3.48502 | 0.0797212 | 0.30052753 | 2.2073941 | 20 | 7 1.3 | 18.8 |
| 94547 2001 $UD_{205}$ | 16.0 | X | 354.10629 | 205.08395 | 6.51909 | 3.43235 | 0.1179394 | 0.28929930 | 2.2641462 | 20 | 3 17.8 | 18.0 |
| 94548 2001 $VP_4$ | 16.4 | X | 148.83627 | 158.43010 | 353.95557 | 3.78601 | 0.2385110 | 0.29926942 | 2.2135763 | 20 | 8 21.9 | 20.0 |
| 94549 2001 $VV_5$ | 16.4 | X | 321.76279 | 245.24104 | 80.97051 | 5.38018 | 0.1759480 | 0.30386413 | 2.1912054 | 20 | 7 12.9 | 17.7 |
| 94550 2001 $VM_{13}$ | 15.4 | X | 251.83032 | 9.57558 | 260.43289 | 12.52012 | 0.1701920 | 0.28356635 | 2.2945609 | 20 | 1 12.9 | 19.0 |
| 94551 2001 $VQ_{13}$ | 17.1 | X | 255.78549 | 342.66335 | 16.83370 | 7.23617 | 0.1243029 | 0.29700812 | 2.2247976 | 20 | 5 18.0 | 20.1 |
| 94552 2001 $VR_{13}$ | 15.0 | X | 167.16465 | 212.88071 | 23.84126 | 11.12356 | 0.1889056 | 0.26389079 | 2.4072428 | 20 | 12 15.6 | 19.1 |
| 94553 2001 $VA_{14}$ | 15.8 | X | 54.23127 | 223.00168 | 273.97646 | 7.26963 | 0.0540939 | 0.28484500 | 2.2876890 | 20 | 3 7.8 | 18.5 |
| 94554 2001 $VN_{14}$ | 15.4 | X | 138.93960 | 133.38586 | 295.36995 | 5.79228 | 0.0765255 | 0.28767051 | 2.2726845 | 20 | 4 6.0 | 18.5 |
| 94555 2001 $VR_{14}$ | 15.6 | X | 16.45900 | 249.38167 | 351.66961 | 5.45660 | 0.1417269 | 0.29488070 | 2.2354853 | 20 | 6 23.6 | 17.4 |
| 94556 Janstarý | 15.7 | X | 257.36346 | 341.37369 | 283.03632 | 1.94506 | 0.1881118 | 0.28151689 | 2.3056838 | 20 | 1 12.3 | 19.0 |
| 94557 2001 $VQ_{18}$ | 16.2 | X | 184.85326 | 177.00167 | 230.65513 | 6.82249 | 0.0650266 | 0.29293580 | 2.2453692 | 20 | 5 5.5 | 19.1 |
| 94558 2001 $VP_{21}$ | 15.0 | X | 65.41898 | 204.84788 | 53.32152 | 7.24221 | 0.1089653 | 0.25311269 | 2.4751039 | 20 | 10 2.8 | 18.3 |
| 94559 2001 $VV_{22}$ | 15.7 | X | 193.42634 | 40.82975 | 233.61974 | 5.47281 | 0.0953038 | 0.27435594 | 2.3456316 | 20 | — | — |
| 94560 2001 $VN_{23}$ | 15.2 | X | 325.52856 | 84.38266 | 44.75491 | 7.07938 | 0.0610677 | 0.27032931 | 2.3688667 | 20 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94561 2001 $VT_{24}$ | 16.5 | X | 125.94651 | 234.14199 | 265.01139 | 3.82694 | 0.1402267 | 0.29386862 | 2.2406150 | 20 | 7 7.6 | 19.7 |
| 94562 2001 $VJ_{28}$ | 15.6 | X | 43.50485 | 43.17314 | 55.14247 | 3.16047 | 0.1796149 | 0.27606173 | 2.3359591 | 20 | 1 3.3 | 17.1 |
| 94563 2001 $VY_{29}$ | 15.8 | X | 70.59719 | 29.23451 | 41.30355 | 2.85767 | 0.1409926 | 0.27715905 | 2.3297895 | 20 | 1 14.7 | 17.8 |
| 94564 2001 $VT_{30}$ | 16.7 | X | 240.91808 | 359.49482 | 44.35684 | 5.98517 | 0.1450257 | 0.29903092 | 2.2147531 | 20 | 7 1.5 | 19.6 |
| 94565 2001 $VH_{32}$ | 15.9 | X | 344.91419 | 99.81484 | 30.75653 | 3.13936 | 0.1172060 | 0.27131595 | 2.3631203 | 20 | — | — |
| 94566 2001 $VP_{34}$ | 15.6 | X | 326.05187 | 356.47450 | 89.19928 | 4.48143 | 0.0673489 | 0.26336302 | 2.4104577 | 20 | — | — |
| 94567 2001 $VD_{35}$ | 15.8 | X | 344.85074 | 168.80713 | 285.08513 | 1.98764 | 0.0571578 | 0.26693815 | 2.3888870 | 20 | — | — |
| 94568 2001 $VM_{39}$ | 16.5 | X | 255.90487 | 332.18425 | 96.85468 | 4.06008 | 0.0887912 | 0.30451332 | 2.1880900 | 20 | 9 10.1 | 18.8 |
| 94569 2001 $VF_{42}$ | 15.8 | X | 341.46690 | 190.66071 | 246.00469 | 5.99609 | 0.0942429 | 0.26402408 | 2.4064326 | 20 | — | — |
| 94570 2001 $VG_{42}$ | 15.7 | X | 41.38260 | 18.41533 | 68.77655 | 6.00808 | 0.2101897 | 0.27390229 | 2.3482209 | 20 | — | — |
| 94571 2001 $VP_{42}$ | 15.6 | X | 20.45132 | 234.17823 | 268.79009 | 4.21131 | 0.1568657 | 0.27711287 | 2.3300483 | 20 | 1 21.6 | 17.6 |
| 94572 2001 $VQ_{42}$ | 16.6 | X | 3.51889 | 20.77740 | 310.48740 | 2.08419 | 0.1943046 | 0.30822212 | 2.1705020 | 20 | 11 5.5 | 18.5 |
| 94573 2001 $VW_{42}$ | 16.1 | X | 282.14158 | 16.36161 | 301.39819 | 1.47131 | 0.0242323 | 0.29109026 | 2.2548497 | 20 | 5 11.7 | 18.5 |
| 94574 2001 $VM_{43}$ | 15.7 | X | 49.89788 | 185.23584 | 236.41919 | 6.46791 | 0.0942273 | 0.27203173 | 2.3589732 | 20 | — | — |
| 94575 2001 $VV_{44}$ | 15.7 | X | 129.12361 | 322.32649 | 66.43172 | 4.76753 | 0.1510414 | 0.28000562 | 2.3139726 | 20 | 2 15.9 | 18.7 |
| 94576 2001 $VZ_{44}$ | 15.8 | X | 205.31207 | 161.07295 | 218.33263 | 6.55284 | 0.1574406 | 0.29037151 | 2.2585691 | 20 | 4 18.5 | 19.3 |
| 94577 2001 $VU_{45}$ | 15.4 | X | 129.67576 | 325.55537 | 81.22994 | 12.20837 | 0.1929041 | 0.28235011 | 2.3011454 | 20 | 3 21.3 | 18.9 |
| 94578 2001 $VB_{46}$ | 15.5 | X | 0.20611 | 7.02121 | 67.11396 | 10.97560 | 0.1107409 | 0.26532998 | 2.3985300 | 20 | — | — |
| 94579 2001 $VE_{46}$ | 16.0 | X | 73.70374 | 207.11571 | 229.53472 | 4.07969 | 0.2045321 | 0.27670766 | 2.3323225 | 20 | 2 5.7 | 18.1 |
| 94580 2001 $VN_{46}$ | 15.9 | X | 249.61635 | 29.26059 | 34.88296 | 2.31932 | 0.1198397 | 0.30037330 | 2.2081496 | 20 | 8 17.0 | 18.5 |
| 94581 2001 $VQ_{46}$ | 15.7 | X | 18.51151 | 347.07589 | 103.75120 | 3.21252 | 0.1758757 | 0.26935143 | 2.3745967 | 20 | — | — |
| 94582 2001 $VW_{46}$ | 16.1 | X | 91.83842 | 116.04059 | 305.79712 | 2.56355 | 0.2121809 | 0.27759416 | 2.3273543 | 20 | 2 18.1 | 18.6 |
| 94583 2001 $VG_{47}$ | 16.2 | X | 304.17124 | 101.81384 | 283.25507 | 3.40851 | 0.2272871 | 0.30484615 | 2.1864971 | 20 | 9 4.5 | 17.4 |
| 94584 2001 $VL_{47}$ | 15.7 | X | 203.45322 | 305.28443 | 54.72913 | 7.34618 | 0.0637894 | 0.28649957 | 2.2788727 | 20 | 3 27.6 | 18.8 |
| 94585 2001 $VW_{47}$ | 16.1 | X | 192.10746 | 27.78465 | 49.27039 | 5.64307 | 0.0571767 | 0.29477423 | 2.2360235 | 20 | 6 26.3 | 19.0 |
| 94586 2001 $VM_{48}$ | 16.6 | X | 289.16141 | 288.00063 | 102.51733 | 4.11774 | 0.1658752 | 0.30423603 | 2.1894194 | 20 | 8 24.1 | 18.4 |
| 94587 2001 $VH_{53}$ | 16.3 | X | 50.66951 | 287.21388 | 328.78762 | 6.64526 | 0.0245197 | 0.30470338 | 2.1871800 | 20 | 8 29.9 | 18.5 |
| 94588 2001 $VX_{57}$ | 16.1 | X | 152.15545 | 156.94175 | 260.10273 | 4.25961 | 0.0965688 | 0.28952375 | 2.2629759 | 20 | 4 9.4 | 19.3 |
| 94589 2001 $VZ_{57}$ | 16.1 | X | 2.22991 | 211.62822 | 23.77354 | 5.51280 | 0.0902768 | 0.29428514 | 2.2385003 | 20 | 5 10.5 | 18.2 |
| 94590 2001 $VP_{58}$ | 16.3 | X | 128.11325 | 98.96046 | 4.93208 | 6.92471 | 0.0284125 | 0.29245954 | 2.2478061 | 20 | 5 6.2 | 19.1 |
| 94591 2001 $VS_{59}$ | 16.0 | X | 79.48394 | 171.12125 | 312.20810 | 5.26774 | 0.0648445 | 0.28746917 | 2.2737456 | 20 | 3 30.4 | 18.7 |
| 94592 2001 $VV_{60}$ | 16.8 | X | 175.38166 | 35.83912 | 290.87401 | 4.58700 | 0.0319418 | 0.27964994 | 2.3159343 | 20 | 1 4.7 | 19.6 |
| 94593 2001 $VX_{61}$ | 15.9 | X | 293.89286 | 46.13363 | 349.28626 | 3.33236 | 0.0994677 | 0.30702924 | 2.1761202 | 20 | 9 19.4 | 17.6 |
| 94594 2001 $VU_{63}$ | 15.7 | X | 357.69704 | 135.03048 | 36.75388 | 6.99639 | 0.0628235 | 0.28184214 | 2.3039096 | 20 | 2 3.8 | 18.3 |
| 94595 2001 $VT_{65}$ | 14.9 | X | 146.85165 | 232.88546 | 31.01918 | 7.55751 | 0.0989904 | 0.26505160 | 2.4002092 | 20 | — | — |
| 94596 2001 $VW_{71}$ | 16.9 | X | 273.07414 | 336.54805 | 56.46654 | 5.05480 | 0.0570964 | 0.30174399 | 2.2014575 | 20 | 8 18.7 | 19.3 |
| 94597 2001 $VT_{72}$ | 15.7 | X | 99.21395 | 213.82835 | 5.40233 | 1.98922 | 0.1315608 | 0.25506370 | 2.4624662 | 20 | 9 20.9 | 19.1 |
| 94598 2001 $VU_{72}$ | 16.5 | X | 265.02072 | 311.95385 | 257.52299 | 1.27398 | 0.1579910 | 0.27740343 | 2.3284210 | 20 | — | — |
| 94599 2001 $VY_{79}$ | 15.6 | X | 290.71184 | 95.17382 | 132.55204 | 7.40841 | 0.0674284 | 0.28032345 | 2.3122233 | 20 | 1 13.1 | 18.4 |
| 94600 2001 $VE_{80}$ | 15.8 | X | 207.11942 | 238.42350 | 185.21724 | 1.75250 | 0.1196163 | 0.29401570 | 2.2398677 | 20 | 6 21.6 | 18.8 |
| 94601 2001 $VY_{81}$ | 16.0 | X | 254.35204 | 57.43792 | 262.70296 | 6.48964 | 0.1409297 | 0.29112221 | 2.2546847 | 20 | 3 19.4 | 19.4 |
| 94602 2001 $VX_{82}$ | 16.3 | X | 58.20140 | 127.25269 | 350.96335 | 2.57068 | 0.0700294 | 0.28558087 | 2.2837574 | 20 | 2 22.4 | 18.4 |
| 94603 2001 $VD_{84}$ | 17.1 | X | 239.77030 | 169.07882 | 198.24082 | 5.36013 | 0.1328520 | 0.29488796 | 2.2354486 | 20 | 5 11.3 | 20.0 |
| 94604 2001 $VN_{100}$ | 16.5 | X | 228.28477 | 232.65363 | 124.48664 | 6.77937 | 0.1150173 | 0.29219614 | 2.2491568 | 20 | 4 18.5 | 19.7 |
| 94605 2001 $VA_{101}$ | 16.5 | X | 306.95475 | 336.14102 | 271.82300 | 4.86733 | 0.1212090 | 0.28806336 | 2.2706178 | 20 | 2 19.6 | 19.4 |
| 94606 2001 $VT_{104}$ | 16.9 | X | 267.57117 | 341.34584 | 42.09632 | 6.93892 | 0.0890206 | 0.30104472 | 2.2048652 | 20 | 7 19.5 | 19.5 |
| 94607 2001 $VC_{109}$ | 15.8 | X | 213.64195 | 199.41406 | 48.16201 | 7.94779 | 0.1582040 | 0.27231095 | 2.3573604 | 20 | — | — |
| 94608 2001 $VR_{109}$ | 16.2 | X | 29.52486 | 287.55466 | 237.80270 | 4.47929 | 0.1064566 | 0.28514336 | 2.2860929 | 20 | 3 12.7 | 18.3 |
| 94609 2001 $VE_{110}$ | 16.1 | X | 334.20969 | 287.40096 | 245.60887 | 4.35927 | 0.1023747 | 0.27700829 | 2.3306347 | 20 | — | — |
| 94610 2001 $VQ_{110}$ | 16.6 | X | 202.28256 | 242.85424 | 35.17176 | 4.90018 | 0.0449994 | 0.27507990 | 2.3415143 | 20 | — | — |
| 94611 2001 $VK_{112}$ | 15.3 | X | 277.34726 | 12.23028 | 275.93916 | 5.87994 | 0.1313153 | 0.28875535 | 2.2669887 | 20 | 3 4.8 | 18.4 |
| 94612 2001 $VU_{112}$ | 16.3 | X | 219.48602 | 80.44659 | 260.73609 | 4.87598 | 0.0903225 | 0.28783323 | 2.2718279 | 20 | 3 13.7 | 19.5 |
| 94613 2001 $VQ_{114}$ | 16.9 | X | 323.67159 | 308.33630 | 37.14957 | 2.97226 | 0.1056246 | 0.30370705 | 2.1919609 | 20 | 8 28.2 | 18.7 |
| 94614 2001 $VM_{116}$ | 16.1 | X | 334.53073 | 263.72076 | 292.49668 | 2.33437 | 0.1141478 | 0.27946296 | 2.3169672 | 20 | 1 23.3 | 18.4 |
| 94615 2001 $VX_{116}$ | 16.1 | X | 316.50480 | 359.66101 | 285.76958 | 4.75758 | 0.1462582 | 0.29315748 | 2.2442371 | 20 | 4 24.8 | 18.4 |
| 94616 2001 $VM_{117}$ | 15.7 | X | 265.20135 | 339.75258 | 261.33456 | 11.93562 | 0.1349303 | 0.27651220 | 2.3334214 | 20 | — | — |
| 94617 2001 $VB_{118}$ | 16.5 | X | 260.05931 | 275.57241 | 65.59411 | 6.23997 | 0.1715273 | 0.29366344 | 2.2416586 | 20 | 4 25.2 | 19.5 |
| 94618 2001 $VK_{118}$ | 16.9 | X | 195.29165 | 132.05277 | 283.71176 | 2.55306 | 0.1350258 | 0.29289594 | 2.2455729 | 20 | 5 27.7 | 20.2 |
| 94619 2001 $VQ_{119}$ | 16.1 | X | 122.15106 | 311.03624 | 20.52359 | 3.63029 | 0.1909644 | 0.27304242 | 2.3531483 | 20 | — | — |
| 94620 2001 $VK_{122}$ | 14.7 | X | 126.78435 | 59.62907 | 96.95505 | 14.63850 | 0.1085685 | 0.23796724 | 2.5790392 | 20 | 7 28.1 | 18.6 |
| 94621 2001 $VM_{124}$ | 15.7 | X | 132.33920 | 295.96609 | 229.61245 | 2.43809 | 0.0928882 | 0.24493855 | 2.5298686 | 20 | 8 12.4 | 19.3 |
| 94622 2001 $WL_{1}$ | 15.6 | X | 274.65770 | 195.34239 | 313.27295 | 2.21467 | 0.1421885 | 0.26327735 | 2.4109806 | 20 | — | — |
| 94623 2001 $WD_{2}$ | 15.0 | X | 115.55657 | 250.31039 | 244.68538 | 23.10862 | 0.2733885 | 0.28440075 | 2.2900707 | 20 | 6 28.7 | 19.0 |
| 94624 2001 $WJ_{3}$ | 16.2 | X | 202.94972 | 340.29385 | 206.80455 | 1.47663 | 0.1630679 | 0.26218529 | 2.4176708 | 20 | 11 22.3 | 19.6 |
| 94625 2001 $WE_{5}$ | 16.5 | X | 356.50438 | 73.74413 | 234.70831 | 5.97183 | 0.1898366 | 0.30439727 | 2.1886461 | 20 | 9 8.1 | 18.0 |
| 94626 2001 $WN_{7}$ | 16.0 | X | 53.68688 | 93.24359 | 94.53933 | 5.13679 | 0.0766450 | 0.29244584 | 2.2478763 | 20 | 5 30.4 | 18.4 |
| 94627 2001 $WJ_{9}$ | 16.0 | X | 26.69361 | 46.12941 | 92.73108 | 6.17044 | 0.1307379 | 0.27927300 | 2.3180177 | 20 | 1 31.2 | 18.1 |
| 94628 2001 $WV_{10}$ | 16.6 | X | 285.95934 | 78.68555 | 211.09025 | 6.66964 | 0.1147732 | 0.29132866 | 2.2536194 | 20 | 3 21.6 | 19.6 |
| 94629 2001 $WG_{11}$ | 16.6 | X | 159.54077 | 299.13159 | 129.94754 | 3.19698 | 0.1229382 | 0.29110403 | 2.2547786 | 20 | 5 9.2 | 19.8 |
| 94630 2001 $WJ_{12}$ | 16.4 | X | 195.76104 | 241.67430 | 79.60049 | 7.74478 | 0.1359554 | 0.28257939 | 2.2999006 | 20 | 1 28.5 | 19.9 |
| 94631 2001 $WK_{12}$ | 15.9 | X | 226.24099 | 86.66898 | 181.77679 | 5.03173 | 0.1690107 | 0.27824269 | 2.3237365 | 20 | — | — |
| 94632 2001 $WC_{13}$ | 16.5 | X | 184.79257 | 298.44331 | 199.56476 | 5.01666 | 0.0398153 | 0.30340048 | 2.1934372 | 20 | 9 14.1 | 19.2 |
| 94633 2001 $WX_{13}$ | 16.1 | X | 196.06333 | 234.77909 | 198.43863 | 6.99144 | 0.0991856 | 0.29491191 | 2.2353276 | 20 | 6 23.2 | 19.3 |
| 94634 2001 $WQ_{14}$ | 15.9 | X | 23.27382 | 93.95167 | 98.55629 | 6.67538 | 0.0650587 | 0.28701763 | 2.2761296 | 20 | 4 17.1 | 18.3 |
| 94635 2001 $WX_{17}$ | 15.8 | X | 288.17468 | 210.26275 | 348.69289 | 2.31445 | 0.1767290 | 0.27684355 | 2.3315592 | 20 | — | — |
| 94636 2001 $WD_{18}$ | 16.1 | X | 247.43822 | 326.04934 | 234.24598 | 3.49467 | 0.1163974 | 0.27165971 | 2.3611264 | 20 | — | — |
| 94637 2001 $WY_{23}$ | 15.9 | X | 227.95258 | 338.64278 | 241.62171 | 1.96420 | 0.1298034 | 0.26969570 | 2.3725755 | 20 | — | — |
| 94638 2001 $WQ_{27}$ | 16.6 | X | 293.73292 | 252.91783 | 116.56780 | 4.15865 | 0.1218138 | 0.30339858 | 2.1934464 | 20 | 8 4.3 | 18.5 |
| 94639 2001 $WH_{28}$ | 15.9 | X | 114.94179 | 307.59850 | 169.51541 | 5.41273 | 0.0760801 | 0.29023595 | 2.2592723 | 20 | 5 17.9 | 18.7 |
| 94640 2001 $WL_{28}$ | 17.0 | X | 161.75888 | 328.30062 | 90.25712 | 4.42571 | 0.1246618 | 0.28967622 | 2.2621817 | 20 | 4 28.0 | 20.2 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94641 2001 $WA_{35}$ | 16.2 | X | 42.82034 | 344.32356 | 88.91241 | 5.21485 | 0.0501166 | 0.27392011 | 2.3481190 | 20 | — | — |
| 94642 2001 $WE_{39}$ | 16.2 | X | 72.56147 | 296.91394 | 141.64399 | 5.26667 | 0.1535802 | 0.27770222 | 2.3267505 | 20 | 1 30.8 | 18.4 |
| 94643 2001 $WJ_{39}$ | 16.2 | X | 121.73799 | 202.94048 | 191.94181 | 4.21755 | 0.0962036 | 0.27941981 | 2.3172057 | 20 | 2 3.4 | 19.0 |
| 94644 2001 $WK_{39}$ | 16.0 | X | 216.52120 | 310.44831 | 179.66257 | 4.64210 | 0.1297778 | 0.30484588 | 2.1864984 | 20 | 10 5.2 | 18.7 |
| 94645 2001 $WW_{40}$ | 15.2 | X | 249.18547 | 266.38028 | 231.75259 | 11.49071 | 0.1564659 | 0.25547724 | 2.4598082 | 20 | 11 14.8 | 18.2 |
| 94646 2001 $WH_{41}$ | 15.7 | X | 137.94158 | 156.95533 | 224.78639 | 6.35729 | 0.1728057 | 0.27841673 | 2.3227680 | 20 | 2 14.8 | 19.0 |
| 94647 2001 $WL_{44}$ | 15.8 | X | 13.26077 | 336.38651 | 156.70401 | 5.58807 | 0.1459779 | 0.27567426 | 2.3381475 | 20 | — | — |
| 94648 2001 $WA_{47}$ | 16.8 | X | 271.57931 | 108.95635 | 207.07301 | 1.41101 | 0.2183470 | 0.29405862 | 2.2396498 | 20 | 3 27.3 | 19.9 |
| 94649 2001 $WJ_{47}$ | 15.5 | X | 181.54862 | 138.87535 | 273.34077 | 5.41649 | 0.1804590 | 0.28818840 | 2.2699610 | 20 | 5 8.1 | 19.2 |
| 94650 2001 $WK_{47}$ | 15.0 | X | 62.22107 | 152.49197 | 259.13679 | 6.01898 | 0.1038115 | 0.26958573 | 2.3732206 | 20 | — | — |
| 94651 2001 $WL_{63}$ | 16.5 | X | 308.38572 | 18.68662 | 243.01335 | 3.02436 | 0.0904256 | 0.28867252 | 2.2674223 | 20 | 3 17.7 | 19.1 |
| 94652 2001 $WN_{63}$ | 16.5 | X | 306.60109 | 224.19017 | 46.56512 | 4.01338 | 0.1578310 | 0.29061219 | 2.2573219 | 20 | 3 20.2 | 19.1 |
| 94653 2001 $WF_{67}$ | 16.4 | X | 254.83141 | 38.08974 | 130.87513 | 1.79451 | 0.1264865 | 0.26658774 | 2.3909799 | 20 | — | — |
| 94654 2001 $WZ_{73}$ | 16.3 | X | 211.38062 | 88.70008 | 134.58077 | 1.97619 | 0.1404731 | 0.26996273 | 2.3710107 | 20 | — | — |
| 94655 2001 $WE_{75}$ | 16.2 | X | 155.20872 | 43.22759 | 222.44527 | 3.33779 | 0.1827572 | 0.26886539 | 2.3774576 | 20 | — | — |
| 94656 2001 $WJ_{76}$ | 16.3 | X | 153.53802 | 36.46551 | 178.03953 | 1.87853 | 0.1394318 | 0.25808880 | 2.4431864 | 20 | 11 8.9 | 19.9 |
| 94657 2001 $WZ_{89}$ | 15.8 | X | 324.22602 | 329.73946 | 264.57734 | 9.24744 | 0.1230457 | 0.28837833 | 2.2689641 | 20 | 2 22.5 | 18.5 |
| 94658 2001 $WL_{90}$ | 15.7 | X | 326.20439 | 125.04900 | 20.00595 | 7.04493 | 0.0582521 | 0.27253252 | 2.3560825 | 20 | — | — |
| 94659 2001 $WU_{90}$ | 15.9 | X | 308.98087 | 356.78579 | 279.25475 | 7.58458 | 0.1352831 | 0.29252135 | 2.2474895 | 20 | 3 28.4 | 18.6 |
| 94660 2001 $WY_{91}$ | 16.7 | X | 304.43899 | 346.40792 | 18.57756 | 1.47474 | 0.1647870 | 0.30236719 | 2.1984315 | 20 | 8 11.9 | 18.2 |
| 94661 2001 $WQ_{98}$ | 16.3 | X | 131.95083 | 275.90916 | 316.59104 | 1.71970 | 0.1432336 | 0.25827637 | 2.4420034 | 20 | 11 9.7 | 20.0 |
| 94662 2001 $WF_{100}$ | 16.1 | X | 192.82505 | 325.55873 | 36.67952 | 6.37413 | 0.2084205 | 0.28515807 | 2.2860143 | 20 | 3 19.3 | 19.9 |
| 94663 2001 $WK_{101}$ | 16.4 | X | 109.86856 | 115.16264 | 189.42932 | 6.37979 | 0.1228008 | 0.26708241 | 2.3880268 | 20 | — | — |
| 94664 2001 $XC_{3}$ | 16.4 | X | 325.85774 | 301.82998 | 35.73756 | 4.98963 | 0.2266144 | 0.30378759 | 2.1915734 | 20 | 8 12.9 | 17.3 |
| 94665 2001 $XA_{7}$ | 16.4 | X | 344.60454 | 213.69184 | 104.89049 | 2.44261 | 0.2084273 | 0.30372032 | 2.1918971 | 20 | 9 2.1 | 17.3 |
| 94666 2001 $XS_{9}$ | 16.1 | X | 216.18496 | 290.73660 | 40.34021 | 7.16735 | 0.1540936 | 0.28538540 | 2.2848001 | 20 | 3 2.1 | 19.7 |
| 94667 2001 $XG_{13}$ | 15.7 | X | 15.09737 | 131.06258 | 15.17757 | 7.94335 | 0.0531175 | 0.27616189 | 2.3353943 | 20 | 1 27.8 | 18.4 |
| 94668 2001 $XM_{14}$ | 15.4 | X | 42.74474 | 197.91235 | 30.08280 | 9.32834 | 0.1079826 | 0.23779890 | 2.5802562 | 20 | 7 16.5 | 18.6 |
| 94669 2001 $XE_{16}$ | 15.7 | X | 311.66525 | 292.35668 | 169.13539 | 1.35110 | 0.1386671 | 0.26083735 | 2.4259929 | 20 | — | — |
| 94670 2001 $XZ_{16}$ | 15.4 | X | 267.26687 | 288.99486 | 357.34677 | 5.58361 | 0.1657398 | 0.28448841 | 2.2896002 | 20 | 2 21.2 | 18.6 |
| 94671 2001 $XW_{17}$ | 16.3 | X | 37.86845 | 196.22177 | 323.87303 | 4.06206 | 0.0886551 | 0.28201292 | 2.3029793 | 20 | 3 20.6 | 18.7 |
| 94672 2001 $XJ_{18}$ | 15.8 | X | 76.91117 | 323.63602 | 32.55804 | 7.94567 | 0.1218413 | 0.26682880 | 2.3895397 | 20 | — | — |
| 94673 2001 $XP_{19}$ | 14.8 | X | 173.61224 | 249.84846 | 58.53178 | 11.10239 | 0.2362417 | 0.27386179 | 2.3484524 | 20 | — | — |
| 94674 2001 $XK_{21}$ | 15.2 | X | 343.95561 | 344.57907 | 50.27748 | 9.29855 | 0.1141038 | 0.25722752 | 2.4486371 | 20 | 12 6.9 | 17.9 |
| 94675 2001 $XL_{21}$ | 15.7 | X | 93.96602 | 7.38532 | 350.59179 | 6.98700 | 0.1563474 | 0.26889409 | 2.3772884 | 20 | — | — |
| 94676 2001 $XN_{21}$ | 16.1 | X | 359.01589 | 40.00989 | 2.65920 | 6.70446 | 0.1280682 | 0.26058129 | 2.4275819 | 20 | — | — |
| 94677 2001 $XQ_{22}$ | 16.6 | X | 105.71009 | 50.94778 | 351.31772 | 2.99255 | 0.1657564 | 0.27826959 | 2.3235867 | 20 | 2 4.9 | 19.2 |
| 94678 2001 $XB_{23}$ | 16.4 | X | 262.53999 | 3.05904 | 15.02916 | 3.73904 | 0.1698181 | 0.29766096 | 2.2215434 | 20 | 6 17.9 | 19.2 |
| 94679 2001 $XO_{23}$ | 15.7 | X | 248.07277 | 296.81242 | 37.30144 | 6.58744 | 0.1126950 | 0.28618385 | 2.2805485 | 20 | 4 8.3 | 18.8 |
| 94680 2001 $XY_{23}$ | 15.5 | X | 88.38702 | 14.55341 | 359.31487 | 7.39278 | 0.0686963 | 0.26788221 | 2.3832712 | 20 | — | — |
| 94681 2001 $XA_{24}$ | 16.2 | X | 187.23284 | 340.47701 | 2.88290 | 3.64840 | 0.2042861 | 0.28290422 | 2.2981397 | 20 | 2 18.9 | 20.0 |
| 94682 2001 $XN_{24}$ | 15.7 | X | 314.53595 | 306.24049 | 54.19410 | 6.84011 | 0.1564616 | 0.30124379 | 2.2038937 | 20 | 9 1.9 | 17.4 |
| 94683 2001 $XB_{25}$ | 15.2 | X | 309.74007 | 331.61080 | 77.78806 | 13.63706 | 0.1912423 | 0.25377334 | 2.4708064 | 20 | 10 29.2 | 17.5 |
| 94684 2001 $XF_{25}$ | 16.3 | X | 315.61946 | 36.48922 | 18.15881 | 4.94417 | 0.1582954 | 0.30846542 | 2.1693605 | 20 | 12 4.8 | 17.8 |
| 94685 2001 $XJ_{25}$ | 15.4 | X | 266.11927 | 22.16950 | 65.80291 | 5.30077 | 0.1047095 | 0.30417075 | 2.1897326 | 20 | 10 22.7 | 17.5 |
| 94686 2001 $XO_{25}$ | 15.1 | X | 226.15535 | 78.31650 | 74.41162 | 7.75449 | 0.1257269 | 0.25215651 | 2.4813571 | 20 | 11 9.2 | 18.3 |
| 94687 2001 $XW_{25}$ | 14.8 | X | 61.90155 | 109.57778 | 82.82333 | 13.82108 | 0.1056013 | 0.23445587 | 2.6047256 | 20 | 6 22.2 | 17.9 |
| 94688 2001 $XL_{27}$ | 15.1 | X | 0.08903 | 19.53118 | 88.59360 | 12.65735 | 0.1089169 | 0.26557621 | 2.3970473 | 20 | — | — |
| 94689 2001 $XQ_{27}$ | 16.3 | X | 80.78797 | 62.12730 | 1.35117 | 6.48175 | 0.2331325 | 0.27378572 | 2.3488873 | 20 | 2 9.3 | 18.5 |
| 94690 2001 $XH_{28}$ | 14.9 | X | 150.37393 | 39.92991 | 43.34596 | 6.66674 | 0.1537513 | 0.28596332 | 2.2817208 | 20 | 5 18.7 | 18.3 |
| 94691 2001 $XG_{29}$ | 15.9 | X | 21.15962 | 322.29996 | 142.34833 | 7.19880 | 0.1123786 | 0.27021254 | 2.3695491 | 20 | — | — |
| 94692 2001 $XB_{30}$ | 15.3 | X | 8.25944 | 288.78053 | 129.90203 | 7.39097 | 0.1412360 | 0.26377940 | 2.4079205 | 20 | — | — |
| 94693 2001 $XY_{31}$ | 16.0 | X | 160.94215 | 335.72352 | 71.74731 | 6.49050 | 0.0500561 | 0.28583308 | 2.2824138 | 20 | 4 8.5 | 19.0 |
| 94694 2001 $XF_{35}$ | 16.3 | X | 41.40612 | 141.44830 | 325.90588 | 6.90402 | 0.0503205 | 0.27879816 | 2.3206489 | 20 | 1 11.8 | 19.0 |
| 94695 2001 $XN_{35}$ | 14.2 | X | 125.17442 | 172.37468 | 265.25399 | 21.59798 | 0.0992056 | 0.23360772 | 2.6110263 | 20 | 4 1.3 | 18.4 |
| 94696 2001 $XR_{35}$ | 16.4 | X | 113.13799 | 85.38906 | 326.80655 | 6.31158 | 0.0915420 | 0.28192805 | 2.3034415 | 20 | 2 15.7 | 19.1 |
| 94697 2001 $XV_{40}$ | 16.0 | X | 223.35291 | 2.40445 | 349.24756 | 7.64139 | 0.1614253 | 0.28860850 | 2.2677576 | 20 | 3 29.5 | 19.5 |
| 94698 2001 $XN_{41}$ | 16.0 | X | 152.83754 | 323.59603 | 43.40276 | 11.40191 | 0.1364051 | 0.27953671 | 2.3165596 | 20 | 2 16.2 | 19.5 |
| 94699 2001 $XH_{43}$ | 15.4 | X | 108.54824 | 279.89043 | 353.55392 | 8.65874 | 0.0307606 | 0.25843133 | 2.4410271 | 20 | 12 1.7 | 18.8 |
| 94700 2001 $XQ_{50}$ | 16.2 | X | 233.62643 | 282.24210 | 199.46790 | 6.67398 | 0.2110580 | 0.30437018 | 2.1887760 | 20 | 10 2.0 | 18.8 |
| 94701 2001 $XC_{53}$ | 15.8 | X | 321.38764 | 68.02834 | 78.92622 | 6.93545 | 0.0290074 | 0.27123304 | 2.3636019 | 20 | — | — |
| 94702 2001 $XU_{53}$ | 16.5 | X | 123.86121 | 332.99462 | 94.14730 | 5.45808 | 0.1665305 | 0.28438913 | 2.2901331 | 20 | 4 3.4 | 19.6 |
| 94703 2001 $XM_{54}$ | 16.1 | X | 256.08100 | 47.13108 | 114.46306 | 2.73345 | 0.1142662 | 0.26217630 | 2.4177261 | 20 | — | — |
| 94704 2001 $XR_{54}$ | 16.4 | X | 357.19500 | 226.52971 | 247.29442 | 0.96451 | 0.1265261 | 0.27076103 | 2.3663480 | 20 | — | — |
| 94705 2001 $XK_{55}$ | 16.6 | X | 308.08842 | 116.16228 | 241.79946 | 2.35719 | 0.1264134 | 0.30257879 | 2.1974064 | 20 | 8 11.3 | 18.3 |
| 94706 2001 $XK_{56}$ | 15.7 | X | 6.05759 | 313.75746 | 103.85758 | 2.91969 | 0.0577373 | 0.26506957 | 2.4001007 | 20 | — | — |
| 94707 2001 $XR_{56}$ | 16.4 | X | 348.96027 | 17.75398 | 83.27353 | 2.41357 | 0.1397332 | 0.26785486 | 2.3834335 | 20 | — | — |
| 94708 2001 $XS_{57}$ | 15.1 | X | 45.10805 | 145.70307 | 90.03818 | 14.24873 | 0.1199767 | 0.24239179 | 2.5475582 | 20 | 8 3.0 | 18.3 |
| 94709 2001 $XD_{58}$ | 16.7 | X | 141.11411 | 266.17933 | 82.93810 | 3.76126 | 0.1799204 | 0.27730116 | 2.3289934 | 20 | 1 11.4 | 19.9 |
| 94710 2001 $XS_{58}$ | 16.5 | X | 128.82678 | 312.98901 | 108.01725 | 4.34465 | 0.1323511 | 0.28384676 | 2.2930495 | 20 | 3 26.9 | 19.5 |
| 94711 2001 $XW_{58}$ | 15.5 | X | 205.06388 | 320.12733 | 84.69780 | 7.43453 | 0.1131266 | 0.29292453 | 2.2454267 | 20 | 5 25.4 | 18.6 |
| 94712 2001 $XU_{59}$ | 15.4 | X | 98.99598 | 215.37292 | 267.80149 | 6.73123 | 0.0824769 | 0.28629369 | 2.2799651 | 20 | 5 2.2 | 18.1 |
| 94713 2001 $XO_{60}$ | 16.8 | X | 103.76941 | 126.97946 | 273.96034 | 1.67952 | 0.2369541 | 0.27809787 | 2.3245431 | 20 | 2 10.4 | 19.6 |
| 94714 2001 $XS_{60}$ | 15.6 | X | 45.30268 | 237.57022 | 254.95660 | 9.00799 | 0.0344890 | 0.28162839 | 2.3050752 | 20 | 2 15.4 | 18.4 |
| 94715 2001 $XS_{61}$ | 15.8 | X | 265.29359 | 348.36049 | 128.83396 | 3.19525 | 0.1315964 | 0.25703964 | 2.4498302 | 20 | 11 15.9 | 18.6 |
| 94716 2001 $XT_{61}$ | 15.9 | X | 75.62851 | 208.57664 | 141.04543 | 3.26022 | 0.1928928 | 0.26743688 | 2.3859162 | 20 | — | — |
| 94717 2001 $XU_{61}$ | 16.6 | X | 355.30975 | 304.18086 | 158.06885 | 2.39848 | 0.1329623 | 0.26835427 | 2.3804755 | 20 | — | — |
| 94718 2001 $XV_{61}$ | 15.2 | X | 146.45041 | 188.66423 | 267.08788 | 2.49212 | 0.1129212 | 0.28993421 | 2.2608396 | 20 | 5 29.2 | 18.4 |
| 94719 2001 $XA_{62}$ | 16.3 | X | 197.30896 | 284.35013 | 98.96834 | 6.57517 | 0.1251096 | 0.28878927 | 2.2668112 | 20 | 4 19.9 | 19.7 |
| 94720 2001 $XG_{62}$ | 15.8 | X | 296.11220 | 16.80636 | 87.48389 | 2.43888 | 0.1401102 | 0.25973879 | 2.4328285 | 20 | 12 21.7 | 18.0 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94721 2001 $XR_{62}$ | 15.9 | X | 68.94384 | 19.09543 | 99.70837 | 3.77011 | 0.1045179 | 0.28049593 | 2.3112753 | 20 | 3 19.0 | 18.3 |
| 94722 2001 $XG_{63}$ | 16.0 | X | 47.24603 | 181.97790 | 184.44858 | 2.42054 | 0.1457821 | 0.26320821 | 2.4114028 | 20 | — | — |
| 94723 2001 $XJ_{63}$ | 15.9 | X | 162.08564 | 316.42670 | 106.86981 | 4.32980 | 0.1483863 | 0.28766059 | 2.2727368 | 20 | 5 5.9 | 19.3 |
| 94724 2001 $XY_{63}$ | 15.5 | X | 66.74829 | 206.72403 | 221.51115 | 2.62292 | 0.1123397 | 0.27357126 | 2.3501147 | 20 | 1 1.1 | 17.9 |
| 94725 2001 $XB_{64}$ | 16.0 | X | 39.53093 | 305.61917 | 105.79040 | 3.48424 | 0.1599141 | 0.26789326 | 2.3832057 | 20 | — | — |
| 94726 2001 $XD_{64}$ | 15.3 | X | 101.64229 | 264.14732 | 219.41334 | 2.25180 | 0.1271322 | 0.23167395 | 2.6255356 | 20 | 5 16.7 | 18.9 |
| 94727 2001 $XA_{65}$ | 15.5 | X | 131.30634 | 23.89607 | 112.11254 | 5.53505 | 0.1287315 | 0.23759509 | 2.5817315 | 20 | 7 6.2 | 19.4 |
| 94728 2001 $XL_{65}$ | 15.1 | X | 67.07490 | 283.84109 | 276.88755 | 12.26801 | 0.1280339 | 0.23618005 | 2.5920333 | 20 | 7 14.3 | 18.4 |
| 94729 2001 $XQ_{65}$ | 16.2 | X | 73.89999 | 308.66673 | 101.51189 | 3.38037 | 0.1513871 | 0.27270828 | 2.3550701 | 20 | — | — |
| 94730 2001 $XJ_{66}$ | 16.0 | X | 34.95817 | 304.11508 | 108.66156 | 4.16023 | 0.1932047 | 0.26753394 | 2.3853391 | 20 | — | — |
| 94731 2001 $XA_{67}$ | 15.9 | X | 210.18232 | 91.35254 | 275.23007 | 5.96862 | 0.1186840 | 0.28577782 | 2.2827081 | 20 | 4 5.1 | 19.3 |
| 94732 2001 $XW_{67}$ | 16.0 | X | 11.32955 | 275.19116 | 135.75974 | 1.95343 | 0.1766199 | 0.26330551 | 2.4108087 | 20 | — | — |
| 94733 2001 $XG_{70}$ | 16.7 | X | 42.73969 | 9.50920 | 109.84997 | 4.40683 | 0.0847325 | 0.28062148 | 2.3105859 | 20 | 1 30.8 | 19.0 |
| 94734 2001 $XM_{70}$ | 15.6 | X | 257.99620 | 297.51641 | 177.39852 | 6.44625 | 0.0512150 | 0.25693630 | 2.4504870 | 20 | 11 14.1 | 18.6 |
| 94735 2001 $XX_{70}$ | 15.8 | X | 82.97315 | 21.82891 | 91.92659 | 5.83690 | 0.1029051 | 0.28535878 | 2.2849422 | 20 | 4 3.8 | 18.4 |
| 94736 2001 $XV_{73}$ | 16.4 | X | 118.89438 | 49.21061 | 100.97805 | 5.61341 | 0.0818335 | 0.29473401 | 2.2362270 | 20 | 7 9.5 | 19.3 |
| 94737 2001 $XH_{74}$ | 16.1 | X | 258.17388 | 181.75045 | 160.25332 | 6.30595 | 0.2158711 | 0.29554283 | 2.2321451 | 20 | 4 19.4 | 19.4 |
| 94738 2001 $XF_{75}$ | 15.8 | X | 336.25053 | 336.80080 | 148.05859 | 2.59995 | 0.1553103 | 0.26912881 | 2.3759060 | 20 | — | — |
| 94739 2001 $XH_{77}$ | 16.7 | X | 353.64736 | 329.22191 | 162.86505 | 2.26015 | 0.1470100 | 0.27303438 | 2.3531945 | 20 | — | — |
| 94740 2001 $XT_{77}$ | 16.4 | X | 123.80377 | 152.02087 | 166.17870 | 2.45552 | 0.2348016 | 0.27254919 | 2.3559864 | 20 | — | — |
| 94741 2001 $XB_{78}$ | 16.2 | X | 268.62847 | 203.77161 | 94.75396 | 6.41828 | 0.1384048 | 0.28901044 | 2.2656546 | 20 | 3 14.3 | 19.3 |
| 94742 2001 $XC_{78}$ | 15.3 | X | 200.87810 | 102.38804 | 90.63608 | 12.49071 | 0.1336394 | 0.26012158 | 2.4304412 | 20 | 12 1.8 | 18.7 |
| 94743 2001 $XD_{78}$ | 16.0 | X | 94.47353 | 180.96637 | 228.71697 | 4.55471 | 0.0681244 | 0.27804214 | 2.3248537 | 20 | 1 12.4 | 18.6 |
| 94744 2001 $XH_{81}$ | 16.0 | X | 178.18781 | 82.29272 | 227.95319 | 5.87029 | 0.1209455 | 0.27680645 | 2.3317675 | 20 | — | — |
| 94745 2001 $XM_{81}$ | 16.0 | X | 321.12780 | 270.26369 | 169.44759 | 6.32918 | 0.1209346 | 0.26113908 | 2.4241238 | 20 | — | — |
| 94746 2001 $XW_{84}$ | 16.5 | X | 334.76680 | 293.95655 | 227.53610 | 6.37112 | 0.0443462 | 0.27473602 | 2.3434678 | 20 | — | — |
| 94747 2001 $XB_{85}$ | 15.1 | X | 208.59605 | 325.55631 | 101.19325 | 27.91430 | 0.0176366 | 0.24036128 | 2.5618855 | 20 | 7 4.0 | 18.4 |
| 94748 2001 $XD_{85}$ | 15.6 | X | 357.32801 | 174.11900 | 241.33290 | 5.41111 | 0.1035549 | 0.26189239 | 2.4194731 | 20 | — | — |
| 94749 2001 $XM_{85}$ | 16.5 | X | 36.30310 | 235.31633 | 191.40911 | 3.12264 | 0.1433491 | 0.26886143 | 2.3774810 | 20 | — | — |
| 94750 2001 $XT_{85}$ | 15.9 | X | 197.81214 | 288.38871 | 128.23944 | 5.77437 | 0.1630684 | 0.29161254 | 2.2521566 | 20 | 6 1.0 | 19.3 |
| 94751 2001 $XE_{86}$ | 16.1 | X | 134.87495 | 236.46241 | 197.95534 | 1.68900 | 0.0979058 | 0.28363208 | 2.2942064 | 20 | 4 15.0 | 19.0 |
| 94752 2001 $XX_{86}$ | 14.9 | X | 117.68263 | 114.45118 | 278.87328 | 8.65834 | 0.2298604 | 0.27631964 | 2.3345054 | 20 | 2 14.1 | 18.1 |
| 94753 2001 $XE_{88}$ | 16.1 | X | 119.86396 | 341.71538 | 88.42663 | 2.34230 | 0.1077564 | 0.28078768 | 2.3096740 | 20 | 3 24.2 | 18.9 |
| 94754 2001 $XY_{88}$ | 16.6 | X | 331.27166 | 147.10029 | 355.05270 | 3.67197 | 0.0517673 | 0.27467480 | 2.3438160 | 20 | — | — |
| 94755 2001 $XJ_{89}$ | 16.0 | X | 176.56134 | 235.89561 | 45.75589 | 8.47885 | 0.1050058 | 0.27370325 | 2.3493591 | 20 | — | — |
| 94756 2001 $XQ_{89}$ | 16.3 | X | 48.17567 | 201.42945 | 47.52671 | 5.32693 | 0.1246033 | 0.30198266 | 2.2002973 | 20 | 9 5.3 | 18.7 |
| 94757 2001 $XT_{97}$ | 15.1 | X | 308.02538 | 132.27126 | 327.45070 | 1.84217 | 0.1745479 | 0.26108512 | 2.4244578 | 20 | — | — |
| 94758 2001 $XW_{97}$ | 15.9 | X | 199.22048 | 29.66466 | 6.40482 | 2.87125 | 0.1712497 | 0.29135403 | 2.2534886 | 20 | 5 3.9 | 19.3 |
| 94759 2001 $XR_{98}$ | 15.6 | X | 77.90813 | 136.26492 | 290.37522 | 3.96393 | 0.0833452 | 0.27646951 | 2.3336617 | 20 | 1 13.9 | 17.9 |
| 94760 2001 $XU_{98}$ | 15.5 | X | 39.60714 | 359.97436 | 91.15937 | 8.42587 | 0.1488149 | 0.27283179 | 2.3543592 | 20 | — | — |
| 94761 2001 $XX_{98}$ | 16.1 | X | 356.75825 | 302.25655 | 81.16977 | 3.89183 | 0.1289449 | 0.31129560 | 2.1561918 | 20 | — | — |
| 94762 2001 $XC_{99}$ | 15.5 | X | 211.47744 | 113.08014 | 282.20224 | 4.17155 | 0.1389356 | 0.29068204 | 2.2569603 | 20 | 5 16.2 | 18.8 |
| 94763 2001 $XM_{99}$ | 15.1 | X | 138.58205 | 179.43866 | 310.68013 | 2.39918 | 0.1532396 | 0.23800938 | 2.5787347 | 20 | 7 7.9 | 19.2 |
| 94764 2001 $XQ_{99}$ | 15.7 | X | 261.52321 | 333.59844 | 37.00158 | 2.60726 | 0.1951890 | 0.29663951 | 2.2266402 | 20 | 6 1.8 | 18.4 |
| 94765 2001 $XQ_{100}$ | 15.4 | X | 172.56815 | 115.57576 | 306.79759 | 5.83564 | 0.1749676 | 0.28867570 | 2.2674057 | 20 | 5 12.3 | 19.0 |
| 94766 2001 $XU_{100}$ | 15.6 | X | 183.53454 | 189.37005 | 284.22036 | 3.90516 | 0.1658160 | 0.24163282 | 2.5528900 | 20 | 7 29.1 | 19.8 |
| 94767 2001 $XC_{101}$ | 15.6 | X | 293.17231 | 258.27794 | 60.55855 | 4.49951 | 0.1498593 | 0.29262339 | 2.2469670 | 20 | 5 9.3 | 18.1 |
| 94768 2001 $XF_{101}$ | 15.9 | X | 336.82783 | 36.77073 | 53.44949 | 2.88736 | 0.1417303 | 0.26347783 | 2.4097575 | 20 | — | — |
| 94769 2001 $XR_{101}$ | 15.5 | X | 224.23306 | 255.04323 | 96.01259 | 8.94561 | 0.2071386 | 0.28773193 | 2.2723611 | 20 | 4 3.2 | 19.3 |
| 94770 2001 $XA_{102}$ | 16.1 | X | 235.21079 | 313.35690 | 47.20486 | 3.19273 | 0.1824155 | 0.29049502 | 2.2579289 | 20 | 4 22.5 | 19.3 |
| 94771 2001 $XF_{105}$ | 15.4 | X | 101.71094 | 142.06572 | 9.17464 | 6.52255 | 0.0905577 | 0.23355601 | 2.6114118 | 20 | 6 17.4 | 19.1 |
| 94772 2001 $XE_{107}$ | 16.2 | X | 152.41709 | 304.79271 | 13.73935 | 5.02398 | 0.2106854 | 0.27638952 | 2.3341119 | 20 | — | — |
| 94773 2001 $XF_{108}$ | 15.7 | X | 137.72581 | 181.67905 | 339.00448 | 3.94240 | 0.0522929 | 0.29914839 | 2.2141733 | 20 | 8 16.6 | 18.5 |
| 94774 2001 $XT_{108}$ | 15.3 | X | 301.27161 | 287.57850 | 33.12450 | 6.11467 | 0.1867161 | 0.29247400 | 2.2477320 | 20 | 5 17.1 | 17.6 |
| 94775 2001 $XW_{111}$ | 16.2 | X | 310.01717 | 50.70382 | 200.23073 | 3.56601 | 0.1109000 | 0.28568218 | 2.2832175 | 20 | 3 2.2 | 18.7 |
| 94776 2001 $XR_{112}$ | 15.8 | X | 323.12192 | 351.21555 | 108.26459 | 6.93853 | 0.0593561 | 0.26371257 | 2.4083272 | 20 | — | — |
| 94777 2001 $XF_{114}$ | 15.6 | X | 33.95812 | 300.64825 | 51.68833 | 6.67804 | 0.1345248 | 0.26043514 | 2.4284900 | 20 | 12 28.2 | 18.7 |
| 94778 2001 $XQ_{115}$ | 15.6 | X | 20.57747 | 331.52486 | 75.73870 | 8.14002 | 0.0887690 | 0.26331193 | 2.4107695 | 20 | — | — |
| 94779 2001 $XC_{116}$ | 15.7 | X | 134.53174 | 64.47631 | 2.37367 | 4.42842 | 0.1172564 | 0.28269969 | 2.2992480 | 20 | 4 5.8 | 18.7 |
| 94780 2001 $XJ_{116}$ | 16.0 | X | 56.94898 | 55.85006 | 69.58120 | 6.84398 | 0.0795932 | 0.27804207 | 2.3248541 | 20 | 3 7.8 | 18.5 |
| 94781 2001 $XO_{117}$ | 16.1 | X | 159.44830 | 332.63305 | 70.96100 | 6.75935 | 0.1383045 | 0.28341314 | 2.2953878 | 20 | 4 8.3 | 19.5 |
| 94782 2001 $XS_{117}$ | 15.6 | X | 275.59221 | 298.08100 | 63.60471 | 7.59757 | 0.1517184 | 0.29457520 | 2.2370306 | 20 | 6 14.8 | 18.1 |
| 94783 2001 $XK_{118}$ | 15.0 | X | 136.03816 | 38.62762 | 95.45972 | 14.23796 | 0.0577746 | 0.23604876 | 2.5929943 | 20 | 7 3.4 | 18.5 |
| 94784 2001 $XP_{118}$ | 15.4 | X | 256.95725 | 301.94282 | 53.19097 | 6.81826 | 0.1880327 | 0.29016657 | 2.2596324 | 20 | 5 7.5 | 18.5 |
| 94785 2001 $XL_{119}$ | 15.3 | X | 45.06257 | 29.10314 | 31.59976 | 6.35913 | 0.1932729 | 0.26618610 | 2.3933844 | 20 | — | — |
| 94786 2001 $XM_{119}$ | 14.9 | X | 276.68355 | 86.87430 | 84.88264 | 5.84035 | 0.1665812 | 0.25955544 | 2.4339742 | 20 | — | — |
| 94787 2001 $XP_{123}$ | 16.2 | X | 250.68508 | 125.03515 | 107.02849 | 3.47517 | 0.1204927 | 0.27467189 | 2.3438325 | 20 | — | — |
| 94788 2001 $XW_{126}$ | 17.2 | X | 136.03689 | 283.53367 | 150.21074 | 2.27564 | 0.1061720 | 0.28750751 | 2.2735434 | 20 | 4 17.1 | 20.2 |
| 94789 2001 $XF_{130}$ | 17.3 | X | 296.29590 | 203.35383 | 160.19344 | 0.60403 | 0.1960651 | 0.30323296 | 2.1942450 | 20 | 7 16.2 | 19.1 |
| 94790 2001 $XZ_{135}$ | 15.4 | X | 31.53563 | 345.44178 | 238.57668 | 7.85563 | 0.1075085 | 0.23883872 | 2.5727617 | 20 | 6 19.2 | 18.4 |
| 94791 2001 $XL_{140}$ | 16.9 | X | 185.43789 | 207.38017 | 168.85579 | 1.79649 | 0.1475830 | 0.28716656 | 2.2753426 | 20 | 3 26.9 | 20.3 |
| 94792 2001 $XG_{143}$ | 16.2 | X | 308.34351 | 35.81445 | 239.80172 | 6.70916 | 0.1055109 | 0.28897162 | 2.2658575 | 20 | 4 3.4 | 18.8 |
| 94793 2001 $XC_{149}$ | 15.6 | X | 332.85558 | 70.55832 | 138.93017 | 3.02269 | 0.1386293 | 0.22630826 | 2.6668737 | 20 | 2 13.9 | 18.6 |
| 94794 2001 $XH_{149}$ | 16.0 | X | 292.03144 | 93.92747 | 101.41942 | 7.31966 | 0.0714199 | 0.27226663 | 2.3576162 | 20 | — | — |
| 94795 2001 $XD_{154}$ | 15.9 | X | 164.39764 | 23.57575 | 255.24095 | 3.56182 | 0.1450987 | 0.26710861 | 2.3878706 | 20 | — | — |
| 94796 2001 $XU_{154}$ | 15.7 | X | 132.14509 | 285.46811 | 88.10236 | 4.77436 | 0.1219995 | 0.27770362 | 2.3267427 | 20 | 1 25.5 | 18.6 |
| 94797 2001 $XH_{155}$ | 16.0 | X | 180.08580 | 359.63926 | 132.64342 | 3.39367 | 0.0737562 | 0.24610901 | 2.5218410 | 20 | 8 23.8 | 19.5 |
| 94798 2001 $XL_{155}$ | 16.2 | X | 39.64267 | 216.66958 | 124.71053 | 3.45991 | 0.1385436 | 0.25950532 | 2.4342875 | 20 | 12 21.4 | 19.4 |
| 94799 2001 $XO_{155}$ | 15.8 | X | 316.33943 | 274.95242 | 248.69621 | 6.23755 | 0.0590538 | 0.27077158 | 2.3662865 | 20 | — | — |
| 94800 2001 $XR_{155}$ | 15.9 | X | 101.83910 | 2.73197 | 191.40640 | 2.52985 | 0.0662474 | 0.24321117 | 2.5418332 | 20 | 8 11.9 | 19.3 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94801 2001 $XY_{156}$ | 16.6 | X | 106.87343 | 324.29669 | 93.43002 | 1.25029 | 0.2395864 | 0.28034333 | 2.3121140 | 20 | 3 9.5 | 19.5 |
| 94802 2001 $XA_{158}$ | 15.7 | X | 259.61807 | 52.91411 | 105.81619 | 7.21527 | 0.0760495 | 0.26130943 | 2.4230702 | 20 | — | — |
| 94803 2001 $XB_{158}$ | 15.6 | X | 85.73717 | 84.11245 | 252.18939 | 7.03279 | 0.0489292 | 0.26373288 | 2.4082036 | 20 | — | — |
| 94804 2001 $XG_{159}$ | 16.0 | X | 337.29017 | 298.28364 | 210.23981 | 1.78320 | 0.1139410 | 0.27060278 | 2.3672705 | 20 | — | — |
| 94805 2001 $XD_{160}$ | 15.0 | X | 53.74887 | 226.88963 | 100.60360 | 13.62515 | 0.0496500 | 0.25710723 | 2.4494008 | 20 | 12 9.2 | 18.2 |
| 94806 2001 $XS_{163}$ | 16.1 | X | 239.00865 | 73.63961 | 216.39502 | 3.72845 | 0.1713839 | 0.28080604 | 2.3095733 | 20 | 1 27.2 | 19.8 |
| 94807 2001 $XP_{166}$ | 15.9 | X | 243.26964 | 324.62411 | 223.27802 | 3.65641 | 0.1329634 | 0.26247125 | 2.4159145 | 20 | — | — |
| 94808 2001 $XM_{167}$ | 16.6 | X | 132.36368 | 169.27056 | 220.96500 | 1.08595 | 0.1926334 | 0.28071797 | 2.3100564 | 20 | 2 24.1 | 19.7 |
| 94809 2001 $XV_{167}$ | 16.0 | X | 245.40200 | 91.01114 | 237.07489 | 4.02661 | 0.1560048 | 0.28804287 | 2.2707255 | 20 | 3 21.1 | 19.5 |
| 94810 2001 $XU_{169}$ | 16.1 | X | 121.33825 | 103.50035 | 208.27732 | 3.26338 | 0.1202931 | 0.26549828 | 2.3975163 | 20 | — | — |
| 94811 2001 $XQ_{172}$ | 15.7 | X | 26.32533 | 208.86583 | 260.50171 | 2.91992 | 0.1146118 | 0.27269662 | 2.3551372 | 20 | — | — |
| 94812 2001 $XC_{173}$ | 15.8 | X | 7.24010 | 302.79293 | 107.63256 | 7.11919 | 0.1045186 | 0.26271730 | 2.4144058 | 20 | — | — |
| 94813 2001 $XC_{174}$ | 15.8 | X | 305.18217 | 99.73458 | 230.87981 | 4.18215 | 0.1734674 | 0.29621766 | 2.2287537 | 20 | 6 12.9 | 17.7 |
| 94814 2001 $XR_{174}$ | 16.7 | X | 76.97822 | 224.26518 | 153.41637 | 1.58605 | 0.1904349 | 0.26976970 | 2.3721416 | 20 | — | — |
| 94815 2001 $XJ_{175}$ | 17.2 | X | 226.80385 | 251.15917 | 146.17186 | 2.56023 | 0.1643135 | 0.29412339 | 2.2393209 | 20 | 6 3.8 | 20.4 |
| 94816 2001 $XD_{176}$ | 16.1 | X | 226.01523 | 265.28865 | 170.81462 | 2.26290 | 0.0406692 | 0.24381648 | 2.5376244 | 20 | 8 6.4 | 19.5 |
| 94817 2001 $XO_{176}$ | 16.0 | X | 161.90476 | 222.19627 | 107.30997 | 3.28421 | 0.2269644 | 0.27502090 | 2.3418491 | 20 | 1 12.5 | 19.4 |
| 94818 2001 $XS_{176}$ | 15.6 | X | 148.86937 | 23.40887 | 94.57706 | 5.30847 | 0.1540149 | 0.23775504 | 2.5805735 | 20 | 7 2.2 | 19.5 |
| 94819 2001 $XF_{177}$ | 15.4 | X | 45.63325 | 338.00273 | 163.34095 | 2.79051 | 0.0524432 | 0.22609227 | 2.6685719 | 20 | 3 12.5 | 18.5 |
| 94820 2001 $XL_{179}$ | 15.8 | X | 44.64233 | 127.34837 | 231.97537 | 1.66197 | 0.1789415 | 0.26161427 | 2.4211875 | 20 | — | — |
| 94821 2001 $XM_{179}$ | 16.1 | X | 48.92024 | 160.33571 | 220.16346 | 1.27208 | 0.2004457 | 0.26571951 | 2.3961854 | 20 | — | — |
| 94822 2001 $XC_{180}$ | 16.7 | X | 92.14308 | 246.52309 | 153.07587 | 3.50167 | 0.1665504 | 0.27418018 | 2.3466339 | 20 | 1 11.1 | 19.2 |
| 94823 2001 $XU_{181}$ | 16.5 | X | 75.84688 | 162.09443 | 214.19635 | 1.80742 | 0.1960299 | 0.26881811 | 2.3777364 | 20 | — | — |
| 94824 2001 $XY_{183}$ | 16.2 | X | 169.98599 | 179.08655 | 201.45740 | 3.43574 | 0.1684167 | 0.28269275 | 2.2992857 | 20 | 3 17.8 | 19.7 |
| 94825 2001 $XF_{185}$ | 15.9 | X | 121.61076 | 242.48453 | 260.41725 | 4.17430 | 0.0534660 | 0.23811903 | 2.5779430 | 20 | 6 26.9 | 19.4 |
| 94826 2001 $XJ_{186}$ | 16.4 | X | 66.57892 | 263.51656 | 121.44081 | 5.69777 | 0.1518062 | 0.26867079 | 2.3786055 | 20 | — | — |
| 94827 2001 $XA_{190}$ | 16.7 | X | 31.02383 | 291.12299 | 136.66181 | 4.61947 | 0.1293941 | 0.26743057 | 2.3859537 | 20 | — | — |
| 94828 2001 $XG_{190}$ | 16.6 | X | 198.40710 | 259.71079 | 122.21036 | 3.26230 | 0.1550763 | 0.28693138 | 2.2765858 | 20 | 4 17.4 | 20.1 |
| 94829 2001 $XO_{190}$ | 16.0 | X | 290.36287 | 285.24521 | 248.26788 | 1.94991 | 0.1621423 | 0.26419006 | 2.4054245 | 20 | — | — |
| 94830 2001 $XF_{191}$ | 17.0 | X | 122.86932 | 304.92175 | 121.44056 | 3.36537 | 0.2002410 | 0.28173199 | 2.3045101 | 20 | 4 4.2 | 20.1 |
| 94831 2001 $XO_{191}$ | 15.9 | X | 292.68281 | 330.19522 | 162.71724 | 1.35974 | 0.1139132 | 0.26024702 | 2.4296602 | 20 | — | — |
| 94832 2001 $XG_{192}$ | 16.0 | X | 241.71701 | 281.14619 | 135.26022 | 4.28009 | 0.1530778 | 0.24347992 | 2.5399623 | 20 | 7 15.7 | 19.6 |
| 94833 2001 $XQ_{192}$ | 15.5 | X | 16.54301 | 336.38199 | 134.31464 | 0.82082 | 0.1606157 | 0.27011390 | 2.3701259 | 20 | — | — |
| 94834 2001 $XY_{193}$ | 16.1 | X | 4.51248 | 327.06391 | 121.64821 | 1.12864 | 0.1683776 | 0.26599616 | 2.3945237 | 20 | — | — |
| 94835 2001 $XG_{194}$ | 16.9 | X | 127.09036 | 149.29998 | 270.27502 | 3.55870 | 0.1393757 | 0.28053776 | 2.3110455 | 20 | 3 19.7 | 20.1 |
| 94836 2001 $XH_{194}$ | 16.7 | X | 94.21929 | 145.83026 | 261.86242 | 1.58824 | 0.1917245 | 0.27488963 | 2.3425946 | 20 | 1 29.9 | 19.2 |
| 94837 2001 $XN_{194}$ | 15.6 | X | 279.22355 | 221.02911 | 261.18897 | 3.12164 | 0.1236583 | 0.25679667 | 2.4513752 | 20 | 12 16.4 | 18.2 |
| 94838 2001 $XU_{194}$ | 15.4 | X | 332.03666 | 106.17351 | 142.08808 | 6.58043 | 0.1059900 | 0.22815223 | 2.6524848 | 20 | 4 12.6 | 18.5 |
| 94839 2001 $XD_{198}$ | 15.8 | X | 177.76311 | 148.07188 | 275.35947 | 6.47821 | 0.0779481 | 0.28653285 | 2.2786963 | 20 | 5 18.5 | 19.0 |
| 94840 2001 $XN_{198}$ | 15.8 | X | 358.23063 | 214.58738 | 246.72538 | 3.93270 | 0.0910319 | 0.26625470 | 2.3929734 | 20 | — | — |
| 94841 2001 $XC_{199}$ | 16.6 | X | 103.02117 | 131.41529 | 236.73521 | 1.25228 | 0.2421086 | 0.27162503 | 2.3613273 | 20 | — | — |
| 94842 2001 $XG_{202}$ | 15.6 | X | 266.50274 | 134.20571 | 103.66051 | 6.43603 | 0.1389629 | 0.28066287 | 2.3103587 | 20 | — | — |
| 94843 2001 $XB_{204}$ | 15.7 | X | 227.14943 | 33.50100 | 200.93087 | 5.47415 | 0.1520854 | 0.27059976 | 2.3672881 | 20 | — | — |
| 94844 2001 $XE_{204}$ | 16.3 | X | 110.61816 | 333.38704 | 167.09536 | 5.01921 | 0.0894334 | 0.29223263 | 2.2489696 | 20 | 6 15.7 | 19.2 |
| 94845 2001 $XL_{204}$ | 16.3 | X | 331.77472 | 136.84541 | 11.30116 | 2.93004 | 0.0980765 | 0.27044027 | 2.3682187 | 20 | — | — |
| 94846 2001 $XN_{205}$ | 16.3 | X | 337.24008 | 243.12928 | 214.81857 | 5.87739 | 0.0980111 | 0.26651497 | 2.3914151 | 20 | — | — |
| 94847 2001 $XD_{207}$ | 16.1 | X | 287.12307 | 2.05264 | 121.72534 | 6.21562 | 0.0882758 | 0.26190832 | 2.4193750 | 20 | — | — |
| 94848 2001 $XO_{207}$ | 16.2 | X | 311.80058 | 332.62202 | 135.82757 | 4.38445 | 0.0645499 | 0.26363706 | 2.4087870 | 20 | — | — |
| 94849 2001 $XK_{208}$ | 15.9 | X | 147.65307 | 195.90567 | 121.43184 | 5.91311 | 0.1603061 | 0.27292499 | 2.3538233 | 20 | — | — |
| 94850 2001 $XY_{208}$ | 16.2 | X | 336.90440 | 219.33638 | 216.73445 | 5.93832 | 0.1057839 | 0.26286768 | 2.4134849 | 20 | — | — |
| 94851 2001 $XE_{209}$ | 16.2 | X | 236.56592 | 153.23164 | 190.65504 | 3.79806 | 0.1442288 | 0.28989362 | 2.2610506 | 20 | 4 4.4 | 19.4 |
| 94852 2001 $XJ_{209}$ | 15.3 | X | 57.92139 | 228.21361 | 213.47546 | 4.00110 | 0.1154242 | 0.27551326 | 2.3390583 | 20 | 1 4.2 | 17.5 |
| 94853 2001 $XE_{210}$ | 16.1 | X | 66.71818 | 299.75633 | 129.72858 | 6.57644 | 0.1066191 | 0.27500393 | 2.3419455 | 20 | 1 2.1 | 18.3 |
| 94854 2001 $XP_{210}$ | 16.0 | X | 60.15596 | 272.03071 | 206.16584 | 3.44508 | 0.1050551 | 0.27975453 | 2.3153570 | 20 | 2 28.5 | 18.4 |
| 94855 2001 $XR_{210}$ | 15.7 | X | 180.41785 | 345.75562 | 225.32632 | 5.38994 | 0.0393259 | 0.25810533 | 2.4430821 | 20 | 12 10.0 | 18.9 |
| 94856 2001 $XA_{211}$ | 16.5 | X | 25.42155 | 267.65556 | 175.75343 | 3.43994 | 0.1146520 | 0.27031560 | 2.3689468 | 20 | — | — |
| 94857 2001 $XH_{211}$ | 16.6 | X | 166.73707 | 225.88927 | 210.11725 | 5.11724 | 0.1282246 | 0.29026175 | 2.2591384 | 20 | 5 26.0 | 19.8 |
| 94858 2001 $XC_{213}$ | 15.7 | X | 122.14588 | 355.84261 | 140.13500 | 8.45990 | 0.1394267 | 0.23568317 | 2.5956751 | 20 | 6 27.3 | 19.7 |
| 94859 2001 $XO_{213}$ | 15.9 | X | 290.91473 | 321.27687 | 143.79267 | 5.17309 | 0.1557651 | 0.25841562 | 2.4411261 | 20 | 12 11.6 | 18.2 |
| 94860 2001 $XE_{214}$ | 17.2 | X | 208.54682 | 248.84036 | 155.74439 | 3.42228 | 0.2371699 | 0.29288328 | 2.2456376 | 20 | 5 22.9 | 20.8 |
| 94861 2001 $XJ_{214}$ | 16.2 | X | 257.22501 | 255.08885 | 142.44450 | 5.20137 | 0.0951193 | 0.29829610 | 2.2183888 | 20 | 7 21.5 | 18.6 |
| 94862 2001 $XT_{214}$ | 16.1 | X | 102.25325 | 6.69175 | 338.70915 | 4.84597 | 0.0173217 | 0.26648553 | 2.3915913 | 20 | — | — |
| 94863 2001 $XJ_{216}$ | 16.4 | X | 156.22495 | 189.92783 | 77.42610 | 3.79823 | 0.1572130 | 0.26430587 | 2.4047218 | 20 | — | — |
| 94864 2001 $XW_{216}$ | 14.9 | X | 201.64296 | 167.04877 | 81.75366 | 10.83341 | 0.2186476 | 0.21305535 | 2.7763513 | 20 | — | — |
| 94865 2001 $XR_{217}$ | 15.9 | X | 140.36722 | 52.36581 | 90.47742 | 4.04195 | 0.0697524 | 0.24005997 | 2.5640287 | 20 | 7 22.1 | 19.4 |
| 94866 2001 $XW_{217}$ | 16.1 | X | 220.20666 | 248.33879 | 106.84142 | 4.77699 | 0.1811505 | 0.28593348 | 2.2818795 | 20 | 4 3.6 | 19.7 |
| 94867 2001 $XS_{218}$ | 15.8 | X | 182.46972 | 236.25233 | 28.31629 | 2.95611 | 0.1422835 | 0.27223517 | 2.3577978 | 20 | — | — |
| 94868 2001 $XS_{222}$ | 16.3 | X | 171.20468 | 7.27956 | 268.13660 | 2.73848 | 0.1517405 | 0.27200357 | 2.3591360 | 20 | — | — |
| 94869 2001 $XR_{224}$ | 16.3 | X | 207.56404 | 243.68878 | 46.68813 | 6.27533 | 0.0664484 | 0.27747039 | 2.3280464 | 20 | — | — |
| 94870 2001 $XN_{225}$ | 16.3 | X | 292.34795 | 329.75918 | 257.69422 | 6.45244 | 0.0701741 | 0.27947375 | 2.3169075 | 20 | 1 13.9 | 19.2 |
| 94871 2001 $XA_{226}$ | 16.1 | X | 145.75561 | 216.05660 | 61.08702 | 4.88351 | 0.1708035 | 0.26695767 | 2.3887706 | 20 | — | — |
| 94872 2001 $XT_{226}$ | 15.5 | X | 321.21748 | 172.21349 | 61.11548 | 15.03561 | 0.1171151 | 0.23095228 | 2.6310022 | 20 | 3 10.9 | 19.1 |
| 94873 2001 $XZ_{232}$ | 16.1 | X | 88.54227 | 206.64724 | 6.57280 | 2.35997 | 0.0724938 | 0.24575561 | 2.5242581 | 20 | 8 23.7 | 19.4 |
| 94874 2001 $XH_{233}$ | 16.1 | X | 88.83690 | 116.40636 | 269.07135 | 5.46592 | 0.1036526 | 0.27367443 | 2.3495241 | 20 | — | — |
| 94875 2001 $XL_{233}$ | 15.3 | X | 191.36264 | 9.59515 | 268.66127 | 5.13013 | 0.1830191 | 0.27315558 | 2.3524984 | 20 | — | — |
| 94876 2001 $XW_{233}$ | 15.9 | X | 183.94087 | 15.00892 | 272.00845 | 6.04194 | 0.1233312 | 0.27289575 | 2.3539914 | 20 | — | — |
| 94877 2001 $XO_{234}$ | 16.3 | X | 254.01402 | 322.18596 | 4.94378 | 1.85147 | 0.0769464 | 0.28937385 | 2.2637573 | 20 | 4 8.2 | 19.2 |
| 94878 2001 $XU_{238}$ | 16.5 | X | 200.03727 | 328.01578 | 89.01901 | 5.80461 | 0.1345773 | 0.29269631 | 2.2465938 | 20 | 6 4.2 | 19.7 |
| 94879 2001 $XR_{239}$ | 16.3 | X | 117.13133 | 157.53907 | 296.65787 | 6.18985 | 0.0639889 | 0.28439518 | 2.2901006 | 20 | 4 11.4 | 19.2 |
| 94880 2001 $XW_{241}$ | 16.2 | X | 293.63743 | 322.40136 | 261.49887 | 1.36318 | 0.1637185 | 0.27795559 | 2.3253363 | 20 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94881 2001 $XS_{243}$ | 14.7 | X | 319.79724 | 262.55417 | 290.15499 | 11.85084 | 0.0642428 | 0.21832106 | 2.7315278 | 20 | 1 16.5 | 18.3 |
| 94882 2001 $XC_{244}$ | 15.8 | X | 188.32245 | 162.38992 | 43.35185 | 5.98847 | 0.1064110 | 0.26200129 | 2.4188026 | 20 | 12 5.3 | 19.3 |
| 94883 2001 $XS_{248}$ | 16.0 | X | 47.72021 | 354.92243 | 131.15632 | 2.92082 | 0.0173077 | 0.22372109 | 2.6873946 | 20 | 2 22.5 | 19.3 |
| 94884 Takuya | 16.4 | X | 49.69960 | 316.59850 | 129.23380 | 3.26348 | 0.0518416 | 0.27353105 | 2.3503450 | 20 | — | — |
| 94885 2001 $XK_{250}$ | 16.3 | X | 113.62114 | 275.88566 | 185.83571 | 2.65369 | 0.1083779 | 0.28559046 | 2.2837063 | 20 | 4 28.1 | 19.2 |
| 94886 2001 $XY_{252}$ | 15.2 | X | 105.95782 | 24.39323 | 120.78402 | 14.32802 | 0.1167906 | 0.23308669 | 2.6149159 | 20 | 6 19.6 | 19.1 |
| 94887 2001 $XA_{254}$ | 14.8 | X | 130.04141 | 0.99037 | 14.74483 | 9.83197 | 0.1860928 | 0.27372547 | 2.3492320 | 20 | 2 7.3 | 18.1 |
| 94888 2001 $XM_{254}$ | 16.0 | X | 120.55491 | 1.35567 | 22.66183 | 6.79797 | 0.1340399 | 0.27469304 | 2.3437122 | 20 | 1 28.6 | 19.0 |
| 94889 2001 $YK$ | 16.3 | X | 0.82698 | 316.26353 | 24.27821 | 3.83451 | 0.1864589 | 0.30729032 | 2.1748875 | 20 | 11 13.5 | 18.1 |
| 94890 2001 $YB_{3}$ | 16.3 | X | 11.13798 | 198.99644 | 141.56703 | 4.76368 | 0.2071946 | 0.31002016 | 2.1621016 | 20 | 12 6.8 | 18.6 |
| 94891 2001 $YC_{5}$ | 14.6 | X | 51.45575 | 305.22722 | 47.82746 | 23.29662 | 0.3408695 | 0.26025933 | 2.4295836 | 20 | — | — |
| 94892 2001 $YE_{5}$ | 15.8 | X | 271.44269 | 178.82955 | 349.72187 | 5.94195 | 0.0688265 | 0.26166228 | 2.4208914 | 20 | — | — |
| 94893 2001 $YG_{5}$ | 16.2 | X | 95.27332 | 314.96545 | 124.38170 | 5.88552 | 0.1805591 | 0.27835362 | 2.3231190 | 20 | 3 16.6 | 18.9 |
| 94894 2001 $YC_{6}$ | 16.4 | X | 90.18388 | 249.40529 | 91.94429 | 2.27768 | 0.2081713 | 0.26587523 | 2.3952497 | 20 | — | — |
| 94895 2001 $YF_{7}$ | 16.0 | X | 273.37038 | 293.42562 | 354.57338 | 6.57611 | 0.1255703 | 0.28648836 | 2.2789321 | 20 | 3 4.8 | 18.9 |
| 94896 2001 $YZ_{7}$ | 15.5 | X | 282.15140 | 276.60679 | 348.20793 | 5.64639 | 0.1053424 | 0.28417928 | 2.2912604 | 20 | 2 16.7 | 18.4 |
| 94897 2001 $YD_{8}$ | 15.9 | X | 350.87781 | 225.55842 | 311.52396 | 4.93284 | 0.1028232 | 0.27964423 | 2.3159658 | 20 | 1 24.1 | 18.1 |
| 94898 2001 $YA_{11}$ | 17.0 | X | 109.58617 | 105.56000 | 275.18409 | 1.29443 | 0.2377960 | 0.27433969 | 2.3457242 | 20 | 1 23.1 | 19.6 |
| 94899 2001 $YN_{11}$ | 16.9 | X | 172.36472 | 264.51649 | 113.60200 | 2.07119 | 0.2110596 | 0.28292667 | 2.2980182 | 20 | 3 20.6 | 20.6 |
| 94900 2001 $YF_{14}$ | 16.1 | X | 293.89981 | 342.23907 | 324.29046 | 5.75379 | 0.0324388 | 0.29230281 | 2.2486096 | 20 | 5 9.3 | 18.9 |
| 94901 2001 $YR_{18}$ | 16.6 | X | 83.33817 | 265.12453 | 103.40709 | 2.27596 | 0.2053749 | 0.26898382 | 2.3767597 | 20 | — | — |
| 94902 2001 $YX_{18}$ | 16.6 | X | 60.60764 | 83.55821 | 25.56413 | 4.13442 | 0.0880986 | 0.27671356 | 2.3322893 | 20 | 2 17.9 | 19.0 |
| 94903 2001 $YP_{20}$ | 15.8 | X | 169.18382 | 300.07104 | 277.34784 | 5.34344 | 0.0925115 | 0.26101866 | 2.4248694 | 20 | 11 30.4 | 19.2 |
| 94904 2001 $YM_{23}$ | 16.6 | X | 100.55802 | 328.11784 | 318.11588 | 1.37271 | 0.1283215 | 0.26184755 | 2.4197493 | 20 | 12 16.7 | 20.3 |
| 94905 2001 $YS_{24}$ | 16.3 | X | 157.32881 | 310.91856 | 298.11106 | 0.80369 | 0.1374042 | 0.26312412 | 2.4119165 | 20 | 12 25.6 | 20.0 |
| 94906 2001 $YF_{26}$ | 14.9 | X | 312.67607 | 312.49522 | 266.02263 | 6.86715 | 0.2519735 | 0.22515662 | 2.6759597 | 20 | 1 11.1 | 18.7 |
| 94907 2001 $YC_{35}$ | 16.2 | X | 106.15076 | 244.68942 | 65.73744 | 2.76677 | 0.0449160 | 0.26425948 | 2.4050032 | 20 | — | — |
| 94908 2001 $YG_{40}$ | 15.9 | X | 220.12201 | 13.20638 | 267.60856 | 4.94273 | 0.1645937 | 0.27667054 | 2.3325311 | 20 | — | — |
| 94909 2001 $YT_{41}$ | 16.5 | X | 305.25230 | 100.01194 | 318.80523 | 4.61657 | 0.0873622 | 0.30787658 | 2.1721257 | 20 | 11 17.0 | 18.4 |
| 94910 2001 $YC_{47}$ | 15.4 | X | 121.36729 | 124.07234 | 25.40427 | 3.46363 | 0.1259321 | 0.23912011 | 2.5707429 | 20 | 7 13.8 | 19.2 |
| 94911 2001 $YQ_{47}$ | 16.8 | X | 193.73735 | 43.31096 | 64.20771 | 1.50495 | 0.1203321 | 0.29822512 | 2.2187408 | 20 | 8 7.6 | 19.9 |
| 94912 2001 $YR_{47}$ | 16.0 | X | 135.36650 | 201.46082 | 52.80597 | 2.09258 | 0.1594409 | 0.25818557 | 2.4425759 | 20 | 12 9.9 | 19.8 |
| 94913 2001 $YL_{48}$ | 16.5 | X | 107.51101 | 297.40386 | 60.75308 | 3.47628 | 0.1864733 | 0.27310740 | 2.3527750 | 20 | — | — |
| 94914 2001 $YJ_{52}$ | 16.3 | X | 163.47824 | 298.35978 | 308.14877 | 1.91873 | 0.0430114 | 0.26129380 | 2.4231668 | 20 | — | — |
| 94915 2001 $YL_{57}$ | 16.3 | X | 147.95322 | 334.13411 | 62.11434 | 7.43001 | 0.0893482 | 0.28304447 | 2.2973805 | 20 | 3 13.3 | 19.5 |
| 94916 2001 $YQ_{57}$ | 15.9 | X | 245.97544 | 216.19265 | 349.47630 | 1.11997 | 0.1317940 | 0.26600238 | 2.3944863 | 20 | — | — |
| 94917 2001 $YF_{58}$ | 16.0 | X | 281.13718 | 98.30709 | 279.78544 | 2.71924 | 0.0424140 | 0.29916466 | 2.2140930 | 20 | 8 7.2 | 18.4 |
| 94918 2001 $YH_{60}$ | 16.8 | X | 172.83522 | 91.42690 | 278.05984 | 4.78122 | 0.1914249 | 0.28403291 | 2.2920475 | 20 | 3 5.8 | 20.5 |
| 94919 2001 $YO_{60}$ | 15.9 | X | 221.09731 | 87.62526 | 74.56541 | 6.95060 | 0.0729527 | 0.25603600 | 2.4562281 | 20 | 11 22.6 | 19.1 |
| 94920 2001 $YN_{62}$ | 15.9 | X | 140.85499 | 33.36369 | 301.98394 | 5.19442 | 0.1755660 | 0.27332873 | 2.3515047 | 20 | — | — |
| 94921 2001 $YT_{62}$ | 15.2 | X | 261.27969 | 183.77819 | 59.98609 | 5.89070 | 0.1046219 | 0.22027940 | 2.7153145 | 20 | 1 6.0 | 19.2 |
| 94922 2001 $YM_{63}$ | 15.2 | X | 276.63328 | 144.73522 | 75.96807 | 4.29616 | 0.1285151 | 0.21819178 | 2.7326067 | 20 | — | — |
| 94923 2001 $YA_{64}$ | 16.6 | X | 143.26478 | 336.25341 | 71.79522 | 0.51324 | 0.1968130 | 0.28397564 | 2.2923556 | 20 | 3 30.3 | 20.1 |
| 94924 2001 $YF_{64}$ | 15.7 | X | 256.21692 | 301.49437 | 73.28634 | 4.84191 | 0.1332068 | 0.29541926 | 2.2327676 | 20 | 6 10.3 | 18.2 |
| 94925 2001 $YB_{65}$ | 15.8 | X | 135.02196 | 87.96466 | 292.83004 | 3.49579 | 0.1206787 | 0.27818301 | 2.3240688 | 20 | 2 5.9 | 18.8 |
| 94926 2001 $YW_{66}$ | 16.1 | X | 345.24161 | 119.05052 | 18.83786 | 3.15771 | 0.1520760 | 0.26962305 | 2.3730016 | 20 | — | — |
| 94927 2001 $YT_{67}$ | 16.5 | X | 168.52632 | 10.34349 | 24.03672 | 1.17890 | 0.1054635 | 0.28454399 | 2.2893021 | 20 | 3 31.5 | 19.8 |
| 94928 2001 $YX_{70}$ | 16.3 | X | 290.00561 | 187.08674 | 356.63763 | 0.85994 | 0.1248852 | 0.26705804 | 2.3881720 | 20 | — | — |
| 94929 2001 $YA_{71}$ | 16.2 | X | 154.76736 | 282.80949 | 95.60929 | 2.04549 | 0.2293563 | 0.28198232 | 2.3031460 | 20 | 3 6.9 | 19.8 |
| 94930 2001 $YF_{71}$ | 15.6 | X | 240.42263 | 232.65259 | 99.23574 | 6.98926 | 0.1616995 | 0.28605355 | 2.2812409 | 20 | 3 26.3 | 19.1 |
| 94931 2001 $YO_{72}$ | 15.6 | X | 224.88741 | 172.98293 | 20.74051 | 2.48134 | 0.1255484 | 0.25862246 | 2.4398243 | 20 | 12 31.3 | 18.6 |
| 94932 2001 $YJ_{73}$ | 15.6 | X | 301.51313 | 44.09674 | 283.53106 | 5.93566 | 0.1471094 | 0.29383571 | 2.2407823 | 20 | 6 5.6 | 17.8 |
| 94933 2001 $YT_{73}$ | 15.8 | X | 190.50915 | 320.73040 | 93.07210 | 5.08376 | 0.0880924 | 0.28944026 | 2.2634110 | 20 | 5 22.0 | 18.8 |
| 94934 2001 $YV_{73}$ | 15.3 | X | 238.90425 | 290.16697 | 296.89448 | 11.18843 | 0.1785988 | 0.21132453 | 2.7914902 | 20 | — | — |
| 94935 2001 $YY_{73}$ | 15.9 | X | 241.57826 | 356.41774 | 86.36060 | 7.69229 | 0.0557572 | 0.24701227 | 2.5156895 | 20 | 9 8.3 | 19.3 |
| 94936 2001 $YQ_{74}$ | 16.0 | X | 266.75867 | 293.07600 | 290.26121 | 6.32517 | 0.0673245 | 0.27205986 | 2.3588106 | 20 | — | — |
| 94937 2001 $YX_{77}$ | 16.7 | X | 113.01140 | 66.11494 | 319.76219 | 1.20392 | 0.2305761 | 0.27641243 | 2.3339829 | 20 | 2 2.2 | 19.4 |
| 94938 2001 $YE_{78}$ | 15.6 | X | 282.36111 | 35.99388 | 300.68057 | 4.40529 | 0.1849181 | 0.29317311 | 2.2441573 | 20 | 5 11.7 | 18.2 |
| 94939 2001 $YJ_{78}$ | 16.1 | X | 7.66428 | 6.74687 | 77.58567 | 3.21233 | 0.1778672 | 0.26672041 | 2.3901870 | 20 | — | — |
| 94940 2001 $YP_{78}$ | 16.3 | X | 150.18050 | 199.67437 | 309.85356 | 5.86919 | 0.2041797 | 0.24091124 | 2.5579851 | 20 | 8 13.7 | 20.6 |
| 94941 2001 $YU_{78}$ | 16.0 | X | 129.34114 | 12.07382 | 44.90358 | 3.90945 | 0.1025629 | 0.28117186 | 2.3075696 | 20 | 3 17.9 | 19.0 |
| 94942 2001 $YF_{79}$ | 15.9 | X | 153.09738 | 81.32468 | 310.55147 | 6.25544 | 0.1186959 | 0.28142275 | 2.3061979 | 20 | 3 9.8 | 19.2 |
| 94943 2001 $YP_{81}$ | 15.7 | X | 342.10906 | 45.14221 | 99.09104 | 3.91201 | 0.0193327 | 0.27006549 | 2.3704092 | 20 | — | — |
| 94944 2001 $YH_{82}$ | 16.8 | X | 63.31335 | 348.98635 | 53.84356 | 3.62431 | 0.1824104 | 0.27030012 | 2.3690373 | 20 | — | — |
| 94945 2001 $YD_{83}$ | 16.4 | X | 42.35632 | 67.26904 | 9.63442 | 2.10584 | 0.1815983 | 0.27085798 | 2.3657833 | 20 | — | — |
| 94946 2001 $YY_{83}$ | 16.5 | X | 159.63763 | 287.34792 | 87.97334 | 6.17499 | 0.1500344 | 0.28007777 | 2.3135752 | 20 | 3 3.7 | 19.9 |
| 94947 2001 $YH_{85}$ | 15.3 | X | 89.56999 | 33.05641 | 95.11575 | 10.40421 | 0.0516614 | 0.22986222 | 2.6393136 | 20 | 4 30.1 | 18.9 |
| 94948 2001 $YJ_{85}$ | 15.9 | X | 69.02094 | 261.32704 | 0.14597 | 2.64417 | 0.0225325 | 0.24664765 | 2.5181682 | 20 | 9 24.7 | 19.2 |
| 94949 2001 $YU_{85}$ | 16.7 | X | 166.66458 | 50.55881 | 341.99980 | 3.27633 | 0.2194420 | 0.28467612 | 2.2885937 | 20 | 4 1.2 | 20.3 |
| 94950 2001 $YJ_{86}$ | 16.3 | X | 231.77260 | 283.94889 | 93.03335 | 2.55299 | 0.0670722 | 0.28937017 | 2.2637765 | 20 | 5 21.8 | 19.0 |
| 94951 2001 $YW_{86}$ | 15.5 | X | 358.22188 | 357.63478 | 87.63255 | 5.84976 | 0.1785761 | 0.26493628 | 2.4009056 | 20 | — | — |
| 94952 2001 $YY_{86}$ | 16.2 | X | 110.13202 | 279.35271 | 91.62709 | 7.15972 | 0.1364985 | 0.27137098 | 2.3628009 | 20 | — | — |
| 94953 2001 $YQ_{88}$ | 16.1 | X | 36.26593 | 176.44137 | 308.50455 | 6.17040 | 0.0601834 | 0.27535444 | 2.3399576 | 20 | 1 28.2 | 18.6 |
| 94954 2001 $YJ_{90}$ | 15.2 | X | 42.95906 | 273.85635 | 97.77513 | 12.63097 | 0.1512870 | 0.26234955 | 2.4166615 | 20 | — | — |
| 94955 2001 $YS_{90}$ | 15.2 | X | 105.61624 | 112.00717 | 17.67124 | 23.65075 | 0.2614816 | 0.28096070 | 2.3087257 | 20 | 6 9.9 | 19.2 |
| 94956 2001 $YD_{92}$ | 15.8 | X | 156.73169 | 335.89643 | 38.48039 | 2.66491 | 0.2272146 | 0.27984861 | 2.3148381 | 20 | 3 3.8 | 19.3 |
| 94957 2001 $YM_{95}$ | 16.2 | X | 345.03876 | 82.85898 | 71.74711 | 7.47834 | 0.0496495 | 0.27223798 | 2.3577816 | 20 | — | — |
| 94958 2001 $YP_{95}$ | 16.1 | X | 146.04404 | 316.03912 | 47.14997 | 6.17389 | 0.1351001 | 0.27660450 | 2.3329023 | 20 | 1 31.6 | 19.4 |
| 94959 2001 $YH_{97}$ | 15.9 | X | 215.58716 | 79.98914 | 100.06159 | 2.31144 | 0.1340503 | 0.25897092 | 2.4376352 | 20 | 11 30.7 | 19.1 |
| 94960 2001 $YU_{97}$ | 15.9 | X | 128.28321 | 153.64922 | 92.21781 | 3.59562 | 0.1490934 | 0.25688711 | 2.4507998 | 20 | 11 23.7 | 19.8 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 94961 2001 $YJ_{101}$ | 15.6 | X | 102.28240 | 293.59851 | 266.95860 | 4.81322 | 0.0947044 | 0.24356425 | 2.5393761 | 20 | 8 23.1 | 19.2 |
| 94962 2001 $YJ_{104}$ | 15.9 | X | 33.81725 | 320.52879 | 135.71209 | 3.30534 | 0.0529556 | 0.27070691 | 2.3666634 | 20 | — | — |
| 94963 2001 $YP_{104}$ | 15.9 | X | 283.11609 | 285.42755 | 138.24311 | 4.04306 | 0.0603914 | 0.25093845 | 2.4893803 | 20 | 10 9.1 | 18.8 |
| 94964 2001 $YU_{104}$ | 16.6 | X | 264.31490 | 171.55030 | 200.77830 | 1.59943 | 0.1988646 | 0.29663074 | 2.2266841 | 20 | 6 7.8 | 19.5 |
| 94965 2001 $YG_{105}$ | 15.7 | X | 255.44494 | 289.42654 | 126.73959 | 4.97867 | 0.0680049 | 0.24510860 | 2.5286983 | 20 | 8 15.7 | 18.9 |
| 94966 2001 $YR_{105}$ | 15.6 | X | 2.70514 | 340.65551 | 112.15027 | 5.49863 | 0.0389567 | 0.21230442 | 2.7828941 | 20 | — | — |
| 94967 2001 $YH_{106}$ | 15.2 | X | 34.85246 | 18.99666 | 120.93926 | 12.27268 | 0.0160318 | 0.22373113 | 2.6873142 | 20 | 2 25.3 | 18.8 |
| 94968 2001 $YX_{106}$ | 15.9 | X | 176.80665 | 307.64911 | 122.72919 | 8.09542 | 0.0960479 | 0.28874782 | 2.2670281 | 20 | 5 30.0 | 19.2 |
| 94969 2001 $YR_{107}$ | 16.1 | X | 92.17071 | 191.49862 | 229.39228 | 3.40906 | 0.1424007 | 0.27513713 | 2.3411896 | 20 | 2 5.1 | 18.6 |
| 94970 2001 $YY_{107}$ | 15.9 | X | 47.32521 | 134.91958 | 263.33219 | 3.50116 | 0.1044816 | 0.26471113 | 2.4022669 | 20 | — | — |
| 94971 2001 $YW_{109}$ | 16.1 | X | 347.12470 | 315.31909 | 95.10794 | 8.43022 | 0.2079754 | 0.25943063 | 2.4347547 | 20 | — | — |
| 94972 2001 $YY_{109}$ | 15.0 | X | 246.75614 | 75.22479 | 310.47183 | 6.57028 | 0.2422125 | 0.29526497 | 2.2335453 | 20 | 5 30.7 | 18.5 |
| 94973 2001 $YQ_{111}$ | 16.1 | X | 41.28297 | 90.08411 | 4.60104 | 6.14542 | 0.1920408 | 0.27207330 | 2.3587329 | 20 | — | — |
| 94974 2001 $YO_{112}$ | 15.8 | X | 143.67261 | 270.25010 | 166.96393 | 6.28280 | 0.0796636 | 0.28444952 | 2.2898090 | 20 | 4 29.6 | 18.9 |
| 94975 2001 $YP_{112}$ | 15.7 | X | 279.51963 | 179.36001 | 185.85980 | 6.65779 | 0.1532481 | 0.29550426 | 2.2323394 | 20 | 6 26.1 | 18.3 |
| 94976 2001 $YF_{113}$ | 16.0 | X | 54.12859 | 301.04423 | 56.62817 | 7.32006 | 0.1297516 | 0.26048709 | 2.4281671 | 20 | — | — |
| 94977 2001 $YU_{113}$ | 16.4 | X | 4.07286 | 114.74350 | 40.17543 | 2.85639 | 0.1446826 | 0.27377482 | 2.3489497 | 20 | 1 10.8 | 18.7 |
| 94978 2001 $YH_{114}$ | 16.9 | X | 69.59630 | 292.53530 | 166.19485 | 3.10062 | 0.1461533 | 0.28005715 | 2.3136888 | 20 | 2 22.9 | 18.9 |
| 94979 2001 $YZ_{114}$ | 16.2 | X | 339.57604 | 150.88815 | 242.54624 | 1.98300 | 0.1071913 | 0.31106348 | 2.1572643 | 20 | 12 15.6 | 18.2 |
| 94980 2001 $YN_{115}$ | 15.3 | X | 58.72676 | 259.59466 | 311.47523 | 10.45774 | 0.1172449 | 0.23483156 | 2.6019468 | 20 | 7 17.3 | 18.6 |
| 94981 2001 $YV_{115}$ | 15.2 | X | 31.35548 | 89.22167 | 97.32144 | 9.88170 | 0.0429257 | 0.22758615 | 2.6568813 | 20 | 4 25.4 | 18.7 |
| 94982 2001 $YA_{116}$ | 14.9 | X | 4.62398 | 306.24251 | 319.39013 | 14.01297 | 0.0823289 | 0.23527313 | 2.5986902 | 20 | 7 3.9 | 18.0 |
| 94983 2001 $YR_{116}$ | 16.4 | X | 105.16807 | 314.62690 | 105.86909 | 4.80966 | 0.1202969 | 0.27710452 | 2.3300951 | 20 | 2 22.9 | 19.1 |
| 94984 2001 $YT_{116}$ | 16.1 | X | 20.47176 | 255.16717 | 209.80253 | 3.97770 | 0.1035566 | 0.26962923 | 2.3729654 | 20 | — | — |
| 94985 2001 $YF_{117}$ | 16.3 | X | 69.45706 | 29.21919 | 15.89356 | 2.78262 | 0.1756427 | 0.27069569 | 2.3667288 | 20 | — | — |
| 94986 2001 $YE_{118}$ | 15.4 | X | 40.64873 | 337.43272 | 87.27510 | 3.69186 | 0.1523281 | 0.26818998 | 2.3814476 | 20 | — | — |
| 94987 2001 $YK_{118}$ | 16.4 | X | 70.90483 | 354.29502 | 82.62601 | 3.98316 | 0.1446779 | 0.27402874 | 2.3474984 | 20 | 1 26.2 | 18.5 |
| 94988 2001 $YU_{119}$ | 16.4 | X | 33.54328 | 233.13401 | 208.67097 | 4.17071 | 0.0717605 | 0.27143301 | 2.3624408 | 20 | — | — |
| 94989 2001 $YJ_{120}$ | 16.6 | X | 317.93634 | 287.13305 | 99.79660 | 1.89641 | 0.1148236 | 0.30764343 | 2.1732230 | 20 | 10 24.7 | 18.2 |
| 94990 2001 $YQ_{120}$ | 16.1 | X | 44.63957 | 328.03530 | 81.96752 | 3.69125 | 0.1765913 | 0.26696132 | 2.3887488 | 20 | — | — |
| 94991 2001 $YC_{122}$ | 15.4 | X | 2.57473 | 172.61670 | 26.66652 | 6.97377 | 0.1357293 | 0.28366039 | 2.2940537 | 20 | 3 16.8 | 17.3 |
| 94992 2001 $YE_{128}$ | 15.3 | X | 208.26397 | 334.81220 | 340.92576 | 4.95492 | 0.1126853 | 0.28080159 | 2.3095977 | 20 | 2 2.1 | 18.5 |
| 94993 2001 $YL_{128}$ | 15.7 | X | 126.88458 | 271.40788 | 52.40321 | 8.22349 | 0.1502281 | 0.27009137 | 2.3702578 | 20 | — | — |
| 94994 2001 $YM_{128}$ | 16.1 | X | 46.72483 | 321.43815 | 44.58265 | 6.83863 | 0.1282166 | 0.26428349 | 2.4048576 | 20 | — | — |
| 94995 2001 $YX_{132}$ | 15.6 | X | 208.74040 | 282.96757 | 355.22911 | 11.40957 | 0.1581048 | 0.27562366 | 2.3384337 | 20 | — | — |
| 94996 2001 $YP_{133}$ | 16.5 | X | 155.01158 | 30.26805 | 245.04650 | 2.81706 | 0.0738072 | 0.26648538 | 2.3915922 | 20 | — | — |
| 94997 2001 $YH_{137}$ | 15.9 | X | 213.76919 | 251.02464 | 66.02854 | 7.78734 | 0.1338529 | 0.27966414 | 2.3158559 | 20 | 2 11.4 | 19.5 |
| 94998 2001 $YL_{138}$ | 15.0 | X | 83.72868 | 337.25818 | 271.00786 | 13.02216 | 0.1080944 | 0.24552222 | 2.5258575 | 20 | 9 30.5 | 18.9 |
| 94999 2001 $YS_{138}$ | 16.1 | X | 265.80631 | 338.97138 | 306.50740 | 1.63149 | 0.0699857 | 0.22484447 | 2.6784358 | 20 | 3 4.5 | 19.8 |
| 95000 2001 $YO_{139}$ | 15.7 | X | 195.18070 | 258.69659 | 203.89190 | 8.00057 | 0.0484279 | 0.29581452 | 2.2307782 | 20 | 8 4.3 | 18.7 |
| 95001 2001 $YG_{141}$ | 15.9 | X | 330.91702 | 31.82942 | 209.32524 | 5.95903 | 0.0729114 | 0.28672030 | 2.2777030 | 20 | 3 26.2 | 18.3 |
| 95002 2001 $YM_{145}$ | 15.4 | X | 355.26092 | 117.03038 | 154.19277 | 5.16915 | 0.1537602 | 0.23549443 | 2.5970618 | 20 | 6 23.7 | 17.9 |
| 95003 2001 $YA_{150}$ | 14.9 | X | 345.09519 | 178.62170 | 57.68054 | 13.76088 | 0.1434328 | 0.23093854 | 2.6311066 | 20 | 4 16.4 | 17.8 |
| 95004 2001 $YS_{151}$ | 16.2 | X | 122.64044 | 336.85394 | 36.71716 | 7.72930 | 0.1686843 | 0.27616690 | 2.3353661 | 20 | 1 22.0 | 19.3 |
| 95005 2001 $YY_{154}$ | 15.4 | X | 100.60611 | 194.40575 | 54.16201 | 15.06612 | 0.1156164 | 0.25406854 | 2.4688922 | 20 | 10 31.3 | 19.0 |
| 95006 2002 $AQ$ | 15.7 | X | 276.23288 | 183.37791 | 349.73211 | 4.38526 | 0.2364604 | 0.26049577 | 2.4281132 | 20 | — | — |
| 95007 2002 $AR$ | 15.8 | X | 86.06718 | 326.54414 | 91.37703 | 3.16214 | 0.2057230 | 0.27460681 | 2.3442028 | 20 | 2 3.9 | 18.0 |
| 95008 Ivanobertini | 16.1 | X | 317.82902 | 184.53116 | 144.44496 | 9.03172 | 0.2237187 | 0.30199694 | 2.2002280 | 20 | 6 29.1 | 17.8 |
| 95009 2002 $AJ_{1}$ | 16.0 | X | 84.54810 | 285.95016 | 129.43197 | 10.76146 | 0.0593295 | 0.27686033 | 2.3314650 | 20 | 1 5.4 | 18.6 |
| 95010 2002 $AR_{1}$ | 15.9 | X | 24.98323 | 298.23274 | 122.02745 | 2.25687 | 0.1619596 | 0.26523790 | 2.3990851 | 20 | — | — |
| 95011 2002 $AS_{1}$ | 15.9 | X | 8.99825 | 7.47746 | 129.12826 | 3.01674 | 0.0424994 | 0.27153868 | 2.3618279 | 20 | 1 3.8 | 18.4 |
| 95012 2002 $AT_{1}$ | 16.3 | X | 36.16781 | 323.72971 | 156.30213 | 2.26898 | 0.1583888 | 0.27342972 | 2.3509257 | 20 | 1 21.2 | 18.3 |
| 95013 2002 $AU_{1}$ | 15.7 | X | 296.72429 | 345.65876 | 150.51691 | 1.62460 | 0.1368428 | 0.26034403 | 2.4290566 | 20 | — | — |
| 95014 2002 $AL_{3}$ | 15.9 | X | 142.34389 | 269.89319 | 2.01526 | 4.89403 | 0.1473192 | 0.26423745 | 2.4051369 | 20 | — | — |
| 95015 2002 $AS_{3}$ | 15.7 | X | 87.59048 | 139.55167 | 311.83644 | 3.75690 | 0.1774978 | 0.27782916 | 2.3260417 | 20 | 3 17.5 | 18.3 |
| 95016 Kimjeongho | 16.1 | X | 200.55262 | 203.07727 | 135.99726 | 2.76244 | 0.0940601 | 0.22184432 | 2.7025299 | 20 | 2 29.0 | 20.2 |
| 95017 2002 $AX_{9}$ | 15.9 | X | 46.64318 | 335.21305 | 127.91348 | 2.86049 | 0.1863262 | 0.27258384 | 2.3557868 | 20 | 1 19.5 | 17.6 |
| 95018 2002 $AZ_{9}$ | 14.9 | X | 36.49706 | 69.60154 | 317.08525 | 8.88475 | 0.2659096 | 0.26234523 | 2.4166881 | 20 | — | — |
| 95019 2002 $AR_{10}$ | 15.9 | X | 351.00832 | 245.47938 | 131.89247 | 6.94240 | 0.1435796 | 0.25498317 | 2.4629847 | 20 | 11 29.9 | 18.5 |
| 95020 Nencini | 15.5 | X | 201.39600 | 296.65482 | 132.25844 | 7.27139 | 0.1477754 | 0.23720422 | 2.5845669 | 20 | 6 20.1 | 19.5 |
| 95021 2002 $AE_{14}$ | 16.0 | X | 69.09189 | 112.32044 | 352.67293 | 5.72006 | 0.1989640 | 0.27368822 | 2.3494452 | 20 | 3 12.5 | 17.9 |
| 95022 2002 $AG_{14}$ | 15.6 | X | 131.73374 | 45.22575 | 94.83514 | 3.46663 | 0.0737794 | 0.23134427 | 2.6280294 | 20 | 7 7.5 | 19.4 |
| 95023 2002 $AE_{16}$ | 15.7 | X | 183.89338 | 223.65348 | 207.79681 | 5.14152 | 0.1281992 | 0.28900733 | 2.2656708 | 20 | 6 6.9 | 19.0 |
| 95024 Ericaellingson | 15.5 | X | 265.67431 | 8.33477 | 207.90253 | 8.28576 | 0.0547690 | 0.27316209 | 2.3524610 | 20 | — | — |
| 95025 2002 $AV_{20}$ | 17.1 | X | 73.65049 | 316.26045 | 93.78950 | 3.08942 | 0.2248689 | 0.27312027 | 2.3527011 | 20 | 1 1.8 | 18.9 |
| 95026 2002 $AG_{21}$ | 16.6 | X | 262.76865 | 315.60746 | 53.40487 | 2.71062 | 0.2256231 | 0.29500525 | 2.2348560 | 20 | 5 28.0 | 19.6 |
| 95027 2002 $AG_{23}$ | 16.0 | X | 28.33831 | 196.01640 | 201.64029 | 4.20181 | 0.1455925 | 0.26361069 | 2.4089477 | 20 | — | — |
| 95028 2002 $AY_{23}$ | 16.2 | X | 80.11376 | 211.89170 | 211.44900 | 1.98131 | 0.1440483 | 0.27341564 | 2.3510064 | 20 | 1 21.3 | 18.6 |
| 95029 2002 $AA_{24}$ | 16.6 | X | 22.98876 | 237.12072 | 211.05491 | 1.87763 | 0.1578870 | 0.26795517 | 2.3828386 | 20 | — | — |
| 95030 2002 $AP_{25}$ | 15.5 | X | 114.30317 | 341.37847 | 142.06517 | 12.71607 | 0.1412960 | 0.23159839 | 2.6261066 | 20 | 6 4.6 | 19.6 |
| 95031 2002 $AV_{26}$ | 15.5 | X | 357.54510 | 171.74543 | 259.88650 | 1.86208 | 0.1728579 | 0.26222340 | 2.4174366 | 20 | — | — |
| 95032 2002 $AW_{26}$ | 15.5 | X | 233.97304 | 281.03535 | 96.01847 | 6.48025 | 0.2050007 | 0.29004612 | 2.2602580 | 20 | 5 12.8 | 18.9 |
| 95033 2002 $AX_{26}$ | 15.4 | X | 164.74465 | 315.34350 | 222.08708 | 4.79646 | 0.1606875 | 0.24367843 | 2.5385828 | 20 | 9 29.9 | 19.4 |
| 95034 2002 $AY_{26}$ | 14.8 | X | 345.70694 | 268.79372 | 299.06290 | 10.55279 | 0.1738332 | 0.22189958 | 2.7020812 | 20 | 2 24.5 | 17.8 |
| 95035 2002 $AA_{27}$ | 15.8 | X | 121.18658 | 298.58314 | 139.17129 | 4.13809 | 0.1610002 | 0.28133140 | 2.3066971 | 20 | 4 12.9 | 18.9 |
| 95036 2002 $AC_{27}$ | 15.6 | X | 68.69292 | 159.37322 | 290.11920 | 5.27097 | 0.2328959 | 0.27556726 | 2.3387527 | 20 | 2 20.2 | 17.7 |
| 95037 2002 $AF_{27}$ | 15.2 | X | 133.18094 | 343.89863 | 138.29634 | 14.06471 | 0.1185409 | 0.23039465 | 2.6352457 | 20 | 6 20.3 | 19.3 |
| 95038 2002 $AN_{27}$ | 15.4 | X | 59.22271 | 182.74329 | 329.97394 | 11.01231 | 0.0934795 | 0.22815791 | 2.6524408 | 20 | 4 15.9 | 18.9 |
| 95039 2002 $AO_{27}$ | 16.5 | X | 90.76222 | 65.94079 | 14.64401 | 5.90261 | 0.1074357 | 0.27752930 | 2.3277169 | 20 | 2 28.4 | 19.1 |
| 95040 2002 $AC_{28}$ | 15.9 | X | 336.67342 | 45.43982 | 68.50006 | 3.18312 | 0.1391379 | 0.26386836 | 2.4073792 | 20 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95041 2002 $AY_{30}$ | 15.7 | X | 112.52068 | 48.55123 | 309.21365 | 5.92277 | 0.2738492 | 0.27131772 | 2.3631100 | 20 | 1 3.1 | 18.4 |
| 95042 2002 $AH_{31}$ | 15.7 | X | 61.44139 | 31.34692 | 107.49288 | 7.67865 | 0.1917269 | 0.27749800 | 2.3278919 | 20 | 4 21.8 | 18.1 |
| 95043 2002 $AU_{33}$ | 16.2 | X | 347.29544 | 185.42807 | 119.94267 | 5.75969 | 0.2425826 | 0.24255786 | 2.5463952 | 20 | 8 2.1 | 17.7 |
| 95044 2002 $AP_{35}$ | 16.4 | X | 5.57054 | 170.39438 | 270.43221 | 4.98976 | 0.0959853 | 0.26671987 | 2.3901902 | 20 | — | — |
| 95045 2002 $AM_{36}$ | 15.9 | X | 168.62153 | 226.10791 | 167.41433 | 6.21812 | 0.2030033 | 0.28608816 | 2.2810570 | 20 | 4 5.6 | 19.5 |
| 95046 2002 $AY_{36}$ | 15.2 | X | 79.37903 | 68.84036 | 105.10308 | 15.31727 | 0.0738323 | 0.23629198 | 2.5912147 | 20 | 6 17.8 | 18.7 |
| 95047 2002 $AL_{37}$ | 15.2 | X | 96.85770 | 348.43944 | 126.20153 | 10.25702 | 0.0428886 | 0.23028225 | 2.6361032 | 20 | 4 20.7 | 18.9 |
| 95048 2002 $AE_{40}$ | 16.1 | X | 242.65721 | 297.46763 | 156.33634 | 3.10351 | 0.0782532 | 0.24712800 | 2.5149040 | 20 | 9 17.8 | 19.5 |
| 95049 2002 $AQ_{41}$ | 15.5 | X | 326.18123 | 283.82755 | 291.69622 | 3.79209 | 0.0654414 | 0.22167844 | 2.7038780 | 20 | 2 21.6 | 18.9 |
| 95050 2002 $AU_{42}$ | 15.9 | X | 178.02164 | 178.34333 | 114.80665 | 7.64365 | 0.1230777 | 0.26870857 | 2.3783825 | 20 | — | — |
| 95051 2002 $AD_{45}$ | 16.2 | X | 289.85984 | 240.09657 | 120.58393 | 2.99738 | 0.0491043 | 0.24151416 | 2.5537261 | 20 | 7 20.3 | 19.1 |
| 95052 2002 $AS_{45}$ | 16.7 | X | 155.01304 | 228.50850 | 131.15370 | 3.82648 | 0.1816694 | 0.27730657 | 2.3289631 | 20 | 2 8.4 | 20.2 |
| 95053 2002 $AF_{46}$ | 15.5 | X | 255.54408 | 90.95589 | 145.87880 | 3.87842 | 0.0223525 | 0.21686496 | 2.7437411 | 20 | — | — |
| 95054 2002 $AF_{48}$ | 15.5 | X | 274.14552 | 353.25828 | 240.52466 | 3.27963 | 0.0588905 | 0.21811333 | 2.7332619 | 20 | 1 12.2 | 19.2 |
| 95055 2002 $AL_{50}$ | 16.5 | X | 183.22881 | 121.84935 | 242.02235 | 1.14025 | 0.2605003 | 0.28248856 | 2.3003935 | 20 | 3 11.9 | 20.6 |
| 95056 2002 $AS_{50}$ | 15.3 | X | 210.82569 | 177.29379 | 129.96764 | 11.76276 | 0.1058311 | 0.21997404 | 2.7178267 | 20 | 1 31.5 | 19.6 |
| 95057 2002 $AF_{53}$ | 16.3 | X | 83.57655 | 169.53220 | 221.30200 | 2.09250 | 0.1514630 | 0.26972185 | 2.3724221 | 20 | — | — |
| 95058 2002 $AM_{58}$ | 14.9 | X | 87.16069 | 118.58457 | 130.56983 | 11.79237 | 0.0991145 | 0.19054244 | 2.9909437 | 20 | 10 8.0 | 19.5 |
| 95059 2002 $AH_{59}$ | 15.1 | X | 10.90092 | 329.54620 | 305.49527 | 3.51291 | 0.1274898 | 0.23609184 | 2.5926789 | 20 | 7 30.4 | 17.5 |
| 95060 2002 $AJ_{59}$ | 15.3 | X | 142.45753 | 183.44468 | 304.06090 | 12.07145 | 0.1382977 | 0.23542538 | 2.5975696 | 20 | 7 8.4 | 19.4 |
| 95061 2002 $AR_{59}$ | 15.3 | X | 82.75199 | 251.43692 | 291.56304 | 4.31538 | 0.0502766 | 0.23377829 | 2.6097562 | 20 | 6 30.3 | 18.5 |
| 95062 2002 $AW_{59}$ | 15.0 | X | 81.17978 | 143.78971 | 131.17157 | 4.01505 | 0.1199497 | 0.24673251 | 2.5175907 | 20 | 11 10.7 | 18.6 |
| 95063 2002 $AV_{61}$ | 15.4 | X | 66.25936 | 281.51798 | 154.52716 | 2.53250 | 0.1839273 | 0.27209114 | 2.3586298 | 20 | 1 20.2 | 17.4 |
| 95064 2002 $AD_{62}$ | 16.5 | X | 0.93699 | 178.18792 | 255.99672 | 0.47752 | 0.1904170 | 0.26217023 | 2.4177634 | 20 | — | — |
| 95065 2002 $AG_{63}$ | 15.6 | X | 252.28031 | 120.52786 | 309.56270 | 3.17730 | 0.1409397 | 0.24390500 | 2.5370104 | 20 | 8 18.1 | 19.1 |
| 95066 2002 $AH_{63}$ | 15.4 | X | 266.95989 | 66.80933 | 314.16296 | 7.14665 | 0.2160205 | 0.29370540 | 2.2414451 | 20 | 6 21.3 | 18.2 |
| 95067 2002 $AZ_{63}$ | 15.2 | X | 353.33656 | 354.46258 | 142.15873 | 11.98341 | 0.1865040 | 0.26656876 | 2.3910935 | 20 | — | — |
| 95068 2002 $AD_{65}$ | 16.6 | X | 86.63888 | 275.86865 | 157.12831 | 4.89617 | 0.1479624 | 0.27415968 | 2.3467509 | 20 | 2 15.7 | 19.0 |
| 95069 2002 $AM_{65}$ | 15.1 | X | 194.82701 | 219.54935 | 144.20337 | 14.73735 | 0.0360767 | 0.22344048 | 2.6896441 | 20 | 3 27.9 | 19.0 |
| 95070 2002 $AQ_{65}$ | 14.0 | X | 75.69338 | 189.72464 | 325.28334 | 21.39001 | 0.0083821 | 0.22671106 | 2.6637139 | 20 | 4 24.7 | 18.1 |
| 95071 2002 $AT_{66}$ | 16.5 | X | 192.21118 | 225.07354 | 143.43181 | 6.30496 | 0.1760354 | 0.28436627 | 2.2902558 | 20 | 3 25.9 | 20.1 |
| 95072 2002 $AW_{66}$ | 15.5 | X | 226.90934 | 43.54777 | 242.43459 | 2.71099 | 0.1815491 | 0.22012887 | 2.7165521 | 20 | 1 18.9 | 20.1 |
| 95073 2002 $AP_{70}$ | 15.6 | X | 239.85173 | 152.34700 | 22.54153 | 1.84980 | 0.0628173 | 0.26142659 | 2.4223462 | 20 | — | — |
| 95074 2002 $AW_{70}$ | 15.7 | X | 270.29026 | 238.31583 | 291.92178 | 2.48272 | 0.0697855 | 0.26464100 | 2.4026913 | 20 | — | — |
| 95075 2002 $AC_{72}$ | 16.0 | X | 129.40803 | 316.98030 | 11.79933 | 2.31183 | 0.2225579 | 0.27163750 | 2.3612550 | 20 | — | — |
| 95076 2002 $AS_{72}$ | 16.0 | X | 33.03809 | 299.59814 | 76.17061 | 8.22011 | 0.1249317 | 0.26309699 | 2.4120823 | 20 | — | — |
| 95077 2002 $AO_{73}$ | 17.0 | X | 126.16723 | 50.39410 | 352.09766 | 2.19188 | 0.1485007 | 0.27957687 | 2.3163378 | 20 | 2 28.4 | 20.0 |
| 95078 2002 $AP_{76}$ | 16.0 | X | 258.61385 | 18.38005 | 329.86765 | 5.00597 | 0.1422677 | 0.29093962 | 2.2556280 | 20 | 5 3.0 | 19.0 |
| 95079 2002 $AO_{78}$ | 16.9 | X | 118.51026 | 93.56442 | 331.20198 | 3.07126 | 0.1615568 | 0.28010198 | 2.3134419 | 20 | 3 20.5 | 20.0 |
| 95080 2002 $AZ_{80}$ | 16.0 | X | 337.82582 | 259.76866 | 148.87852 | 6.66871 | 0.0681223 | 0.25955355 | 2.4339859 | 20 | 12 14.0 | 18.9 |
| 95081 2002 $AK_{82}$ | 16.0 | X | 16.30606 | 344.98690 | 209.03176 | 5.93470 | 0.0753032 | 0.28408448 | 2.2917701 | 20 | 4 2.7 | 18.1 |
| 95082 2002 $AS_{83}$ | 15.5 | X | 194.51749 | 13.87271 | 159.83699 | 7.50905 | 0.0782486 | 0.25207621 | 2.4818840 | 20 | 11 5.4 | 19.1 |
| 95083 2002 $AZ_{85}$ | 16.5 | X | 11.86263 | 173.76378 | 244.43516 | 4.46907 | 0.2119961 | 0.26435701 | 2.4044117 | 20 | — | — |
| 95084 2002 $AG_{87}$ | 15.2 | X | 141.71872 | 31.47076 | 141.86968 | 10.82883 | 0.0927709 | 0.24269627 | 2.5454270 | 20 | 9 4.4 | 18.9 |
| 95085 2002 $AJ_{87}$ | 15.5 | X | 304.30513 | 210.28429 | 140.41395 | 12.50012 | 0.0629500 | 0.24145056 | 2.5541745 | 20 | 7 25.6 | 18.6 |
| 95086 2002 $AJ_{89}$ | 15.7 | X | 260.38357 | 92.42301 | 234.67434 | 4.61863 | 0.1959550 | 0.28798042 | 2.2710537 | 20 | 3 31.7 | 19.2 |
| 95087 2002 $AQ_{89}$ | 14.7 | X | 134.89759 | 306.78588 | 141.66006 | 22.82569 | 0.2864740 | 0.28463534 | 2.2888122 | 20 | 5 26.9 | 19.1 |
| 95088 2002 $AC_{96}$ | 16.7 | X | 30.97414 | 0.69632 | 25.15671 | 3.30496 | 0.1919232 | 0.26280979 | 2.4138393 | 20 | — | — |
| 95089 2002 $AZ_{97}$ | 16.2 | X | 221.91567 | 3.85746 | 355.77103 | 3.45103 | 0.2089649 | 0.28729212 | 2.2746797 | 20 | 4 6.4 | 19.9 |
| 95090 2002 $AF_{99}$ | 15.2 | X | 81.05138 | 240.60195 | 325.92587 | 6.89835 | 0.1445095 | 0.23712248 | 2.5851608 | 20 | 8 13.9 | 18.7 |
| 95091 2002 $AM_{99}$ | 15.3 | X | 252.26371 | 154.87354 | 108.19084 | 12.28465 | 0.0550145 | 0.21928966 | 2.7234785 | 20 | 1 24.4 | 19.1 |
| 95092 2002 $AC_{100}$ | 15.7 | X | 255.49759 | 316.69790 | 93.43817 | 7.15540 | 0.0793449 | 0.24317068 | 2.5421153 | 20 | 8 6.4 | 19.0 |
| 95093 2002 $AB_{101}$ | 16.0 | X | 58.18606 | 189.38551 | 64.97919 | 2.29449 | 0.1036962 | 0.24326020 | 2.5414916 | 20 | 9 13.8 | 19.2 |
| 95094 2002 $AM_{102}$ | 15.7 | X | 217.06991 | 332.99045 | 337.29859 | 5.70565 | 0.0721061 | 0.22267215 | 2.6958276 | 20 | 2 11.5 | 19.5 |
| 95095 2002 $AH_{105}$ | 14.9 | X | 346.77342 | 356.72438 | 298.55860 | 15.03494 | 0.1949743 | 0.23860937 | 2.5744100 | 20 | 7 13.9 | 16.9 |
| 95096 2002 $AM_{105}$ | 15.5 | X | 263.58439 | 50.45662 | 302.49222 | 5.18046 | 0.2352138 | 0.29239907 | 2.2481160 | 20 | 5 3.6 | 18.7 |
| 95097 2002 $AW_{106}$ | 16.6 | X | 52.13808 | 326.08822 | 92.87579 | 3.38676 | 0.1666302 | 0.26935149 | 2.3745963 | 20 | — | — |
| 95098 2002 $AB_{111}$ | 16.7 | X | 79.32287 | 7.73582 | 33.29645 | 1.80432 | 0.1811804 | 0.27070812 | 2.3666563 | 20 | — | — |
| 95099 2002 $AK_{111}$ | 14.2 | X | 352.08893 | 292.34556 | 307.64315 | 12.02665 | 0.2005966 | 0.17425367 | 3.1745445 | 20 | 4 23.6 | 17.9 |
| 95100 2002 $AF_{112}$ | 15.9 | X | 51.55936 | 340.70513 | 98.32635 | 1.87371 | 0.1918635 | 0.27129057 | 2.3632677 | 20 | — | — |
| 95101 2002 $AH_{113}$ | 16.5 | X | 101.89779 | 290.94597 | 102.22675 | 3.54798 | 0.2359574 | 0.27359583 | 2.3499740 | 20 | 1 29.9 | 19.2 |
| 95102 2002 $AS_{113}$ | 16.5 | X | 106.54527 | 286.80266 | 102.43097 | 3.57822 | 0.1530393 | 0.27351447 | 2.3504400 | 20 | 1 17.4 | 19.1 |
| 95103 2002 $AP_{114}$ | 16.4 | X | 120.92772 | 288.72640 | 87.27410 | 3.82761 | 0.1854832 | 0.27350640 | 2.3504863 | 20 | 1 24.4 | 19.3 |
| 95104 2002 $AN_{116}$ | 16.1 | X | 112.88787 | 280.04922 | 125.97976 | 5.12056 | 0.1530321 | 0.27541365 | 2.3396223 | 20 | 2 18.2 | 19.0 |
| 95105 2002 $AY_{116}$ | 15.2 | X | 181.25681 | 352.58188 | 121.63620 | 8.74931 | 0.1289828 | 0.23951857 | 2.5678910 | 20 | 7 29.4 | 19.2 |
| 95106 2002 $AP_{117}$ | 15.9 | X | 114.44358 | 327.81180 | 62.61239 | 1.79144 | 0.1944631 | 0.27338498 | 2.3511822 | 20 | 2 5.7 | 18.8 |
| 95107 2002 $AJ_{118}$ | 15.3 | X | 10.80922 | 41.32391 | 99.81177 | 4.49031 | 0.1942993 | 0.27068014 | 2.3668194 | 20 | — | — |
| 95108 2002 $AL_{118}$ | 15.6 | X | 236.24441 | 322.23558 | 125.38354 | 13.50961 | 0.1183014 | 0.24406494 | 2.5359019 | 20 | 8 27.6 | 19.2 |
| 95109 2002 $AP_{118}$ | 16.4 | X | 66.83052 | 116.80360 | 320.50095 | 2.08602 | 0.1733284 | 0.27198568 | 2.3592394 | 20 | 1 22.6 | 18.2 |
| 95110 2002 $AR_{118}$ | 16.0 | X | 6.17512 | 324.52418 | 114.30821 | 3.38714 | 0.1713214 | 0.26313018 | 2.4118795 | 20 | — | — |
| 95111 2002 $AV_{120}$ | 15.9 | X | 41.78221 | 289.48956 | 98.97247 | 5.61491 | 0.2052329 | 0.26313736 | 2.4118356 | 20 | — | — |
| 95112 2002 $AE_{121}$ | 16.1 | X | 142.65582 | 285.22603 | 88.82979 | 4.40200 | 0.1767058 | 0.27544747 | 2.3394307 | 20 | 2 15.1 | 19.4 |
| 95113 2002 $AG_{121}$ | 14.6 | X | 44.13058 | 259.61384 | 326.19151 | 6.50307 | 0.1167648 | 0.18000353 | 3.1065764 | 20 | 7 11.8 | 18.6 |
| 95114 2002 $AM_{121}$ | 15.1 | X | 10.59743 | 285.04064 | 322.81716 | 10.29554 | 0.1523464 | 0.23104462 | 2.6303012 | 20 | 6 20.3 | 17.9 |
| 95115 2002 $AK_{122}$ | 15.0 | X | 53.27684 | 206.40919 | 319.06572 | 11.29497 | 0.1271922 | 0.22663006 | 2.6643486 | 20 | 4 29.6 | 18.5 |
| 95116 2002 $AP_{122}$ | 16.2 | X | 4.95989 | 93.02768 | 6.44056 | 2.08827 | 0.1004683 | 0.26515604 | 2.3995789 | 20 | — | — |
| 95117 2002 $AQ_{122}$ | 14.8 | X | 329.55872 | 329.24113 | 323.60545 | 11.07440 | 0.1116807 | 0.23300870 | 2.6154994 | 20 | 6 6.9 | 18.0 |
| 95118 2002 $AL_{124}$ | 16.2 | X | 148.18781 | 272.89435 | 103.82290 | 6.61515 | 0.1647461 | 0.27620988 | 2.3351238 | 20 | 2 23.6 | 19.6 |
| 95119 2002 $AB_{126}$ | 15.7 | X | 9.25104 | 8.27243 | 95.24602 | 4.20037 | 0.1872199 | 0.26558477 | 2.3969958 | 20 | — | — |
| 95120 2002 $AW_{127}$ | 14.8 | X | 323.48572 | 29.77393 | 141.46263 | 9.97855 | 0.0922986 | 0.21221072 | 2.7837133 | 20 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95121 2002 $AL_{130}$ | 15.7 | X | 19.15338 | 209.47916 | 100.94487 | 8.77595 | 0.0275044 | 0.24489027 | 2.5302010 | 20 | 9 27.9 | 19.0 |
| 95122 2002 $AQ_{135}$ | 16.8 | X | 88.73662 | 134.11227 | 235.40140 | 3.89703 | 0.2396046 | 0.27088670 | 2.3656160 | 20 | — | — |
| 95123 2002 $AP_{139}$ | 15.2 | X | 298.09544 | 348.39578 | 328.45325 | 13.89943 | 0.1567702 | 0.23353328 | 2.6115812 | 20 | 5 8.0 | 18.9 |
| 95124 2002 $AK_{141}$ | 16.7 | X | 152.15803 | 173.93145 | 174.70267 | 3.05947 | 0.1766802 | 0.27564594 | 2.3383077 | 20 | 1 21.5 | 20.2 |
| 95125 2002 $AE_{143}$ | 15.6 | X | 190.26349 | 251.97120 | 141.01364 | 6.63448 | 0.1210050 | 0.28666599 | 2.2779906 | 20 | 4 25.1 | 19.0 |
| 95126 2002 $AZ_{148}$ | 15.8 | X | 339.99184 | 257.68669 | 135.82122 | 7.25854 | 0.2243790 | 0.25405650 | 2.4689702 | 20 | 12 12.1 | 17.9 |
| 95127 2002 $AL_{150}$ | 15.5 | X | 305.48030 | 163.33328 | 102.71945 | 3.57297 | 0.0981629 | 0.22760148 | 2.6567620 | 20 | 3 28.1 | 18.9 |
| 95128 2002 $AR_{152}$ | 15.4 | X | 316.60987 | 250.61954 | 326.64793 | 6.46321 | 0.0267446 | 0.21970087 | 2.7200791 | 20 | 2 17.8 | 19.0 |
| 95129 2002 $AQ_{153}$ | 16.1 | X | 126.70710 | 281.88692 | 129.33027 | 5.38847 | 0.2156420 | 0.27810350 | 2.3245117 | 20 | 3 21.9 | 19.5 |
| 95130 2002 $AH_{155}$ | 15.5 | X | 313.77566 | 117.50600 | 350.41178 | 6.50206 | 0.1038343 | 0.25735436 | 2.4478325 | 20 | — | — |
| 95131 2002 $AK_{155}$ | 16.0 | X | 57.77390 | 323.95457 | 85.06204 | 2.52040 | 0.1809118 | 0.26605568 | 2.3941665 | 20 | — | — |
| 95132 2002 $AO_{155}$ | 14.6 | X | 72.83608 | 39.00540 | 141.35800 | 12.21635 | 0.1318917 | 0.17544297 | 3.1601819 | 20 | 6 24.4 | 19.1 |
| 95133 2002 $AB_{156}$ | 15.9 | X | 204.94243 | 126.64752 | 342.75263 | 7.78158 | 0.1003525 | 0.24130690 | 2.5551882 | 20 | 8 20.4 | 19.5 |
| 95134 2002 $AN_{156}$ | 15.6 | X | 294.91595 | 9.84603 | 276.55940 | 11.49448 | 0.1297351 | 0.23101613 | 2.6305174 | 20 | 3 26.9 | 19.4 |
| 95135 2002 $AM_{158}$ | 16.0 | X | 156.01849 | 317.88133 | 172.87586 | 4.27501 | 0.1427143 | 0.23787573 | 2.5797006 | 20 | 7 24.4 | 20.1 |
| 95136 2002 $AD_{159}$ | 15.4 | X | 18.90179 | 272.99049 | 290.44465 | 5.40742 | 0.1169993 | 0.22648440 | 2.6654908 | 20 | 4 25.5 | 18.4 |
| 95137 2002 $AH_{159}$ | 16.1 | X | 142.75504 | 264.82464 | 172.26621 | 1.77873 | 0.1729824 | 0.28413744 | 2.2914853 | 20 | 5 5.2 | 19.4 |
| 95138 2002 $AD_{160}$ | 15.6 | X | 294.15015 | 65.87906 | 185.16276 | 1.78018 | 0.0216907 | 0.22215999 | 2.6999693 | 20 | 3 3.1 | 19.0 |
| 95139 2002 $AF_{160}$ | 16.0 | X | 172.48687 | 302.50338 | 149.39258 | 3.61251 | 0.1097193 | 0.23540827 | 2.5976955 | 20 | 6 21.1 | 19.9 |
| 95140 2002 $AB_{162}$ | 16.4 | X | 83.02328 | 237.48239 | 146.60935 | 1.71353 | 0.1969097 | 0.26778165 | 2.3838678 | 20 | — | — |
| 95141 2002 $AG_{162}$ | 16.1 | X | 145.71259 | 248.98733 | 136.00629 | 5.81149 | 0.1426026 | 0.27639038 | 2.3341070 | 20 | 2 28.1 | 19.4 |
| 95142 2002 $AF_{163}$ | 15.9 | X | 218.60603 | 258.72908 | 150.49552 | 6.90927 | 0.1728423 | 0.29117992 | 2.2543868 | 20 | 6 11.1 | 19.3 |
| 95143 2002 $AQ_{164}$ | 16.3 | X | 304.26674 | 264.69159 | 159.19748 | 3.12034 | 0.1787920 | 0.25206883 | 2.4819324 | 20 | 11 3.4 | 18.4 |
| 95144 2002 $AG_{165}$ | 16.4 | X | 269.23105 | 239.06816 | 171.64897 | 4.49042 | 0.1565223 | 0.24497559 | 2.5296135 | 20 | 8 11.7 | 19.5 |
| 95145 2002 $AQ_{165}$ | 16.4 | X | 57.06600 | 203.13686 | 206.04361 | 1.79797 | 0.1830446 | 0.26694812 | 2.3888276 | 20 | — | — |
| 95146 2002 $AV_{165}$ | 15.3 | X | 209.48257 | 181.82137 | 276.14750 | 3.26897 | 0.2345102 | 0.24239145 | 2.5475606 | 20 | 7 29.1 | 19.6 |
| 95147 2002 $AP_{166}$ | 15.1 | X | 329.72423 | 285.04507 | 288.83395 | 7.09826 | 0.0983569 | 0.21920879 | 2.7241483 | 20 | 2 19.1 | 18.7 |
| 95148 2002 $AH_{167}$ | 15.4 | X | 216.04812 | 279.26371 | 153.18568 | 22.38913 | 0.0668348 | 0.23677622 | 2.5876805 | 20 | 7 16.2 | 19.4 |
| 95149 2002 $AL_{167}$ | 15.2 | X | 120.16248 | 13.83375 | 149.69185 | 13.13700 | 0.0782172 | 0.23461785 | 2.6035265 | 20 | 7 24.6 | 19.0 |
| 95150 2002 $AQ_{167}$ | 15.0 | X | 349.64212 | 287.20927 | 331.80757 | 14.02071 | 0.0597670 | 0.22777565 | 2.6554075 | 20 | 5 23.7 | 18.6 |
| 95151 2002 $AU_{167}$ | 15.7 | X | 164.89259 | 79.97941 | 314.38769 | 6.23195 | 0.2433501 | 0.28029687 | 2.3123694 | 20 | 4 1.2 | 19.6 |
| 95152 2002 $AX_{167}$ | 15.3 | X | 312.72690 | 317.02914 | 151.69647 | 22.42566 | 0.0915738 | 0.25600717 | 2.4564125 | 20 | — | — |
| 95153 2002 $AP_{170}$ | 16.3 | X | 107.86953 | 88.13472 | 33.84210 | 2.44610 | 0.1187655 | 0.23125930 | 2.6286731 | 20 | 5 20.5 | 20.1 |
| 95154 2002 $AZ_{170}$ | 16.3 | X | 43.13191 | 320.29913 | 305.29257 | 1.40214 | 0.0584166 | 0.24214510 | 2.5492881 | 20 | 8 29.9 | 19.3 |
| 95155 2002 $AH_{175}$ | 15.5 | X | 157.96823 | 41.73120 | 304.63121 | 4.76506 | 0.0184616 | 0.21723398 | 2.7406330 | 20 | 1 17.9 | 19.3 |
| 95156 2002 $AK_{175}$ | 15.7 | X | 345.20220 | 92.59643 | 129.69826 | 5.01106 | 0.0391351 | 0.22586469 | 2.6703641 | 20 | 4 3.8 | 19.1 |
| 95157 2002 $AU_{175}$ | 15.5 | X | 158.21088 | 243.99882 | 98.81971 | 5.74982 | 0.0674518 | 0.21742743 | 2.7390071 | 20 | 1 18.9 | 19.5 |
| 95158 2002 $AZ_{177}$ | 16.1 | X | 85.67005 | 289.69278 | 87.98140 | 3.65825 | 0.1399745 | 0.26626151 | 2.3929325 | 20 | — | — |
| 95159 2002 $AE_{178}$ | 15.6 | X | 340.02136 | 138.46818 | 127.52552 | 4.87421 | 0.0608370 | 0.23029127 | 2.6360344 | 20 | 5 23.4 | 18.7 |
| 95160 2002 $AG_{178}$ | 16.1 | X | 47.39396 | 291.75726 | 105.68377 | 4.10345 | 0.1658675 | 0.26391374 | 2.4071032 | 20 | — | — |
| 95161 2002 $AS_{178}$ | 14.9 | X | 350.11253 | 327.14730 | 330.93547 | 10.88456 | 0.1606306 | 0.23562610 | 2.5960943 | 20 | 7 27.9 | 17.4 |
| 95162 2002 $AV_{178}$ | 16.4 | X | 39.93211 | 31.92976 | 39.25388 | 1.66445 | 0.1721580 | 0.26715388 | 2.3876008 | 20 | — | — |
| 95163 2002 $AZ_{178}$ | 15.9 | X | 14.80262 | 83.21271 | 337.04220 | 1.98781 | 0.1667367 | 0.26172922 | 2.4204786 | 20 | — | — |
| 95164 2002 $AB_{179}$ | 15.3 | X | 287.94364 | 128.22445 | 126.61549 | 3.38749 | 0.0226786 | 0.22057806 | 2.7128629 | 20 | 3 1.3 | 19.0 |
| 95165 2002 $AH_{180}$ | 15.8 | X | 316.40510 | 344.46702 | 290.08497 | 3.68758 | 0.1080232 | 0.23194382 | 2.6234986 | 20 | 4 19.0 | 19.1 |
| 95166 2002 $AO_{183}$ | 15.5 | X | 67.68148 | 261.42106 | 303.83640 | 3.41022 | 0.1469986 | 0.23740085 | 2.5831396 | 20 | 7 25.9 | 18.8 |
| 95167 2002 $AT_{184}$ | 15.0 | X | 259.03495 | 286.39817 | 82.64239 | 13.53758 | 0.1645187 | 0.23762378 | 2.5815237 | 20 | 6 1.9 | 18.6 |
| 95168 2002 $AX_{185}$ | 16.7 | X | 57.98215 | 267.33627 | 93.95675 | 4.12844 | 0.1458720 | 0.26335734 | 2.4104924 | 20 | — | — |
| 95169 2002 $AC_{186}$ | 16.7 | X | 150.71437 | 37.48927 | 19.52945 | 4.46181 | 0.2261605 | 0.28540723 | 2.2846836 | 20 | 4 19.3 | 20.4 |
| 95170 2002 $AL_{187}$ | 15.5 | X | 229.49583 | 319.29238 | 29.11457 | 7.71911 | 0.1402874 | 0.28381996 | 2.2931938 | 20 | 4 4.8 | 18.8 |
| 95171 2002 $AT_{188}$ | 15.9 | X | 171.62926 | 139.34899 | 219.61410 | 5.84001 | 0.1729868 | 0.27772703 | 2.3266119 | 20 | 2 20.1 | 19.7 |
| 95172 2002 $AZ_{190}$ | 15.5 | X | 190.32177 | 269.83895 | 169.78966 | 21.51664 | 0.1519213 | 0.23816294 | 2.5776262 | 20 | 6 23.3 | 20.1 |
| 95173 2002 $AD_{191}$ | 14.1 | X | 148.39609 | 120.97014 | 114.64080 | 11.64837 | 0.0606293 | 0.19186860 | 2.9771458 | 20 | 11 22.2 | 18.7 |
| 95174 2002 $AD_{192}$ | 16.2 | X | 36.02315 | 34.69653 | 303.38387 | 0.62293 | 0.2382786 | 0.25692651 | 2.4505493 | 20 | 12 25.8 | 19.6 |
| 95175 2002 $AJ_{192}$ | 15.1 | X | 216.61361 | 144.41915 | 110.03275 | 11.15554 | 0.2014319 | 0.21170721 | 2.7881253 | 20 | — | — |
| 95176 2002 $AJ_{196}$ | 14.8 | X | 252.95389 | 3.63968 | 261.52589 | 12.02865 | 0.1423016 | 0.21524880 | 2.7574579 | 20 | 1 18.2 | 19.2 |
| 95177 2002 $AT_{197}$ | 15.6 | X | 17.11274 | 21.26585 | 0.47999 | 12.31012 | 0.2061551 | 0.25967275 | 2.4332410 | 20 | — | — |
| 95178 2002 $AD_{202}$ | 15.2 | X | 230.10518 | 348.86114 | 120.01935 | 11.07752 | 0.1676514 | 0.24289072 | 2.5440683 | 20 | 9 12.5 | 19.0 |
| 95179 Berko | 16.5 | X | 95.05142 | 200.51220 | 155.33599 | 1.78986 | 0.1965326 | 0.26581050 | 2.3956385 | 20 | — | — |
| 95180 2002 $BJ_{4}$ | 16.0 | X | 41.85659 | 41.72177 | 35.91444 | 9.92190 | 0.1870904 | 0.27064977 | 2.3669965 | 20 | — | — |
| 95181 2002 $BP_{4}$ | 15.3 | X | 75.07345 | 4.20986 | 29.55976 | 14.04477 | 0.2010640 | 0.27042189 | 2.3683260 | 20 | — | — |
| 95182 2002 $BZ_{4}$ | 15.5 | X | 330.05768 | 214.08339 | 346.54819 | 12.75793 | 0.1290497 | 0.22002754 | 2.7173861 | 20 | 2 4.2 | 18.9 |
| 95183 2002 $BB_{9}$ | 15.2 | X | 103.06533 | 327.68693 | 135.51812 | 12.83670 | 0.1534545 | 0.22672096 | 2.6636363 | 20 | 4 30.4 | 19.2 |
| 95184 2002 $BL_{10}$ | 16.5 | X | 30.23017 | 85.14442 | 343.26046 | 4.14486 | 0.2698876 | 0.26620875 | 2.3932487 | 20 | — | — |
| 95185 2002 $BN_{10}$ | 16.2 | X | 20.76648 | 117.48410 | 336.47478 | 4.42853 | 0.1705061 | 0.26620121 | 2.3932939 | 20 | — | — |
| 95186 2002 $BT_{10}$ | 15.5 | X | 0.37708 | 30.73283 | 89.05250 | 3.10908 | 0.1589647 | 0.26592173 | 2.3949704 | 20 | — | — |
| 95187 2002 $BD_{11}$ | 14.9 | X | 264.07471 | 33.75468 | 148.64979 | 15.73252 | 0.0796955 | 0.20415819 | 2.8564383 | 20 | — | — |
| 95188 2002 $BK_{11}$ | 14.6 | X | 94.57981 | 84.25363 | 147.21952 | 4.26075 | 0.2143865 | 0.18564997 | 3.0432629 | 20 | 10 2.3 | 19.4 |
| 95189 2002 $BM_{11}$ | 16.2 | X | 171.63955 | 259.54838 | 160.03712 | 1.75864 | 0.1573647 | 0.28495126 | 2.2871203 | 20 | 5 9.9 | 19.7 |
| 95190 2002 $BZ_{11}$ | 16.1 | X | 347.33515 | 264.54175 | 169.12899 | 1.17643 | 0.1615054 | 0.25920465 | 2.4361696 | 20 | — | — |
| 95191 2002 $BB_{12}$ | 16.0 | X | 294.59727 | 161.28128 | 311.42717 | 1.75045 | 0.1351995 | 0.25578865 | 2.4578113 | 20 | 12 29.8 | 18.2 |
| 95192 2002 $BS_{12}$ | 16.4 | X | 274.60814 | 230.75740 | 116.86415 | 3.71635 | 0.1335083 | 0.23557582 | 2.5964636 | 20 | 5 27.9 | 19.9 |
| 95193 2002 $BU_{13}$ | 15.3 | X | 288.62821 | 65.47767 | 168.18886 | 5.89003 | 0.0268124 | 0.21810008 | 2.7333725 | 20 | 2 2.2 | 19.0 |
| 95194 2002 $BB_{14}$ | 14.9 | X | 28.93386 | 310.25683 | 317.07310 | 16.46489 | 0.0549038 | 0.23729719 | 2.5838918 | 20 | 8 10.3 | 17.8 |
| 95195 2002 $BB_{16}$ | 15.2 | X | 275.45990 | 278.43599 | 359.17500 | 14.84348 | 0.1339247 | 0.22260984 | 2.6963306 | 20 | 3 2.1 | 19.1 |
| 95196 2002 $BS_{16}$ | 14.7 | X | 103.47935 | 36.22240 | 217.88645 | 2.08828 | 0.1598049 | 0.19004894 | 2.9961191 | 20 | 10 31.9 | 19.4 |
| 95197 2002 $BV_{16}$ | 15.6 | X | 354.16840 | 232.66350 | 326.04048 | 4.44189 | 0.0787208 | 0.22088409 | 2.7103565 | 20 | 3 10.4 | 19.0 |
| 95198 2002 $BN_{17}$ | 16.1 | X | 65.57258 | 252.66764 | 108.41579 | 4.83299 | 0.2273927 | 0.26414434 | 2.4057021 | 20 | — | — |
| 95199 2002 $BD_{19}$ | 14.7 | X | 39.00199 | 140.20012 | 141.05269 | 11.73050 | 0.1307403 | 0.18712109 | 3.0272914 | 20 | 9 20.4 | 18.7 |
| 95200 2002 $BF_{19}$ | 15.2 | X | 95.84514 | 131.09421 | 68.77679 | 8.53824 | 0.1311688 | 0.23695002 | 2.5864150 | 20 | 8 24.6 | 19.1 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95201 2002 $BJ_{19}$ | 15.3 | X | 189.59915 | 11.03735 | 117.29354 | 10.54925 | 0.0776474 | 0.24122921 | 2.5557367 | 20 | 8 31.3 | 19.0 |
| 95202 2002 $BR_{21}$ | 14.7 | X | 139.45038 | 327.59235 | 64.41409 | 24.77862 | 0.2013883 | 0.27605191 | 2.3360145 | 20 | 3 22.7 | 18.9 |
| 95203 2002 $BU_{22}$ | 14.4 | X | 138.17028 | 124.17017 | 56.25097 | 14.53964 | 0.1230315 | 0.24452676 | 2.5327080 | 20 | 9 17.9 | 18.6 |
| 95204 2002 $BY_{22}$ | 15.1 | X | 93.58865 | 71.44925 | 46.96606 | 12.56002 | 0.0384365 | 0.22992031 | 2.6388690 | 20 | 4 18.6 | 18.6 |
| 95205 2002 $BR_{24}$ | 16.3 | X | 18.56119 | 326.13079 | 93.82006 | 14.93418 | 0.2149791 | 0.26356003 | 2.4092564 | 20 | — | — |
| 95206 2002 $BM_{25}$ | 14.8 | X | 266.81368 | 300.94747 | 299.50489 | 7.94731 | 0.0936046 | 0.21241277 | 2.7819477 | 20 | 1 10.1 | 19.0 |
| 95207 2002 $BG_{29}$ | 14.4 | X | 9.50266 | 161.08688 | 98.21914 | 20.13019 | 0.2660787 | 0.17791344 | 3.1308592 | 20 | 7 10.7 | 17.2 |
| 95208 2002 $BM_{31}$ | 14.5 | X | 101.21561 | 153.39148 | 91.09199 | 11.41056 | 0.0532373 | 0.18869168 | 3.0104694 | 20 | 10 14.0 | 19.0 |
| 95209 2002 $CW$ | 14.9 | X | 65.65113 | 12.68366 | 262.62759 | 9.74028 | 0.0813806 | 0.19189654 | 2.9768569 | 20 | 10 3.9 | 19.3 |
| 95210 2002 $CJ_{1}$ | 14.8 | X | 299.21759 | 153.53017 | 37.71812 | 12.29622 | 0.1091603 | 0.21253781 | 2.7808565 | 20 | — | — |
| 95211 2002 $CJ_{2}$ | 15.2 | X | 336.60745 | 220.86335 | 108.90118 | 15.29818 | 0.2076432 | 0.24264230 | 2.5458044 | 20 | 8 18.1 | 17.4 |
| 95212 2002 $CW_{3}$ | 16.0 | X | 46.25928 | 343.41079 | 49.91437 | 5.03720 | 0.2262052 | 0.26329985 | 2.4108433 | 20 | — | — |
| 95213 2002 $CN_{6}$ | 15.0 | X | 5.89112 | 189.04910 | 337.42977 | 30.32426 | 0.1299200 | 0.22362909 | 2.6881315 | 20 | 2 17.9 | 18.0 |
| 95214 2002 $CQ_{7}$ | 14.6 | X | 214.55062 | 131.14276 | 133.49939 | 25.36335 | 0.1203896 | 0.21154533 | 2.7895475 | 20 | — | — |
| 95215 2002 $CA_{8}$ | 15.2 | X | 282.67578 | 148.90856 | 116.48301 | 13.34057 | 0.0876717 | 0.22039192 | 2.7143902 | 20 | 3 1.7 | 19.1 |
| 95216 2002 $CU_{8}$ | 16.0 | X | 218.58279 | 92.05888 | 266.95911 | 2.80983 | 0.1841955 | 0.28482431 | 2.2877998 | 20 | 4 3.0 | 19.5 |
| 95217 2002 $CD_{11}$ | 14.6 | X | 23.54120 | 147.27380 | 98.96317 | 2.63174 | 0.1215432 | 0.17729275 | 3.1381623 | 20 | 7 6.0 | 18.4 |
| 95218 2002 $CO_{14}$ | 15.6 | X | 156.38318 | 245.16256 | 323.66594 | 2.76789 | 0.0947779 | 0.24625974 | 2.5208119 | 20 | 11 2.4 | 19.4 |
| 95219 Borgman | 15.2 | X | 184.73939 | 296.50418 | 155.46285 | 23.80934 | 0.0747379 | 0.17933696 | 3.1142694 | 20 | 7 3.7 | 20.3 |
| 95220 2002 $CQ_{15}$ | 14.8 | X | 114.00430 | 69.64695 | 141.74929 | 12.98993 | 0.1028836 | 0.24245029 | 2.5471484 | 20 | 9 26.3 | 18.6 |
| 95221 2002 $CW_{15}$ | 15.3 | X | 217.70225 | 1.48392 | 148.61882 | 10.70761 | 0.0273439 | 0.19331750 | 2.9622515 | 20 | 10 30.8 | 19.6 |
| 95222 2002 $CZ_{16}$ | 16.3 | X | 154.42983 | 357.40642 | 29.76070 | 3.23057 | 0.1091977 | 0.27984533 | 2.3148561 | 20 | 3 8.1 | 19.5 |
| 95223 2002 $CU_{22}$ | 15.6 | X | 315.05040 | 310.50383 | 332.35697 | 2.86541 | 0.0666093 | 0.22768393 | 2.6561206 | 20 | 5 5.3 | 18.9 |
| 95224 2002 $CA_{23}$ | 15.3 | X | 157.64802 | 306.95612 | 164.73150 | 13.54567 | 0.1362274 | 0.23645769 | 2.5900039 | 20 | 7 1.6 | 19.6 |
| 95225 2002 $CH_{23}$ | 15.5 | X | 189.17745 | 207.78506 | 217.55050 | 6.99244 | 0.1769618 | 0.23463251 | 2.6034182 | 20 | 6 3.1 | 19.7 |
| 95226 2002 $CP_{23}$ | 16.3 | X | 94.01901 | 205.62059 | 191.67671 | 5.78574 | 0.0946348 | 0.27184397 | 2.3600593 | 20 | — | — |
| 95227 2002 $CO_{25}$ | 16.6 | X | 220.82213 | 220.12115 | 179.26026 | 4.65334 | 0.2593142 | 0.29016756 | 2.2596273 | 20 | 5 25.5 | 20.3 |
| 95228 2002 $CS_{29}$ | 15.1 | X | 283.49440 | 249.68807 | 101.95172 | 14.28838 | 0.1877318 | 0.23892143 | 2.5721679 | 20 | 6 7.2 | 18.5 |
| 95229 2002 $CA_{30}$ | 15.7 | X | 135.76415 | 9.81894 | 37.67311 | 6.73519 | 0.1025534 | 0.27831067 | 2.3233580 | 20 | 3 14.5 | 18.8 |
| 95230 2002 $CK_{30}$ | 15.1 | X | 32.51372 | 168.75744 | 96.95408 | 8.47396 | 0.0966870 | 0.23829275 | 2.5766900 | 20 | 8 22.7 | 18.2 |
| 95231 2002 $CL_{30}$ | 15.7 | X | 347.40491 | 240.23920 | 113.62481 | 14.31847 | 0.0927016 | 0.24727659 | 2.5138964 | 20 | 10 19.6 | 18.9 |
| 95232 2002 $CX_{31}$ | 14.6 | X | 18.47561 | 235.30832 | 5.84522 | 7.31222 | 0.1763682 | 0.17773410 | 3.1329649 | 20 | 6 25.7 | 18.2 |
| 95233 2002 $CS_{37}$ | 15.1 | X | 359.02040 | 115.66923 | 127.98515 | 1.42649 | 0.1255787 | 0.17422650 | 3.1748746 | 20 | 5 21.4 | 18.7 |
| 95234 2002 $CP_{38}$ | 15.5 | X | 37.35696 | 275.35366 | 166.45182 | 3.85860 | 0.0721143 | 0.21158022 | 2.7892408 | 20 | — | — |
| 95235 2002 $CL_{39}$ | 15.3 | X | 119.88649 | 34.53022 | 228.99490 | 1.13295 | 0.0191412 | 0.19852927 | 2.9101789 | 20 | 11 21.1 | 19.3 |
| 95236 2002 $CL_{40}$ | 15.1 | X | 20.87683 | 350.86380 | 252.71585 | 11.34551 | 0.1278843 | 0.23338867 | 2.6126598 | 20 | 6 30.3 | 17.9 |
| 95237 2002 $CO_{40}$ | 14.7 | X | 120.35564 | 29.90381 | 257.67550 | 12.01791 | 0.0889291 | 0.20144101 | 2.8820674 | 20 | 12 23.7 | 19.1 |
| 95238 2002 $CH_{43}$ | 14.0 | X | 40.77831 | 69.10048 | 113.17283 | 20.23634 | 0.0924852 | 0.17053728 | 3.2204990 | 20 | 5 14.3 | 18.6 |
| 95239 2002 $CH_{46}$ | 15.3 | X | 75.42830 | 24.24721 | 177.33395 | 12.08504 | 0.1099551 | 0.23445790 | 2.6047105 | 20 | 7 23.1 | 19.0 |
| 95240 2002 $CW_{47}$ | 13.7 | X | 236.81920 | 116.44370 | 157.83573 | 15.33657 | 0.1272832 | 0.16265035 | 3.3237834 | 20 | 1 22.3 | 19.0 |
| 95241 2002 $CF_{50}$ | 15.2 | X | 165.93487 | 12.24179 | 173.49892 | 1.86864 | 0.0414778 | 0.19137666 | 2.9822456 | 20 | 10 9.4 | 19.4 |
| 95242 2002 $CK_{51}$ | 14.9 | X | 223.86477 | 212.85639 | 280.43828 | 1.29481 | 0.0788233 | 0.19206164 | 2.9751506 | 20 | 10 6.3 | 19.3 |
| 95243 2002 $CL_{51}$ | 15.1 | X | 254.59504 | 126.77924 | 170.77606 | 8.23762 | 0.0712425 | 0.21918175 | 2.7243723 | 20 | 3 7.4 | 19.0 |
| 95244 2002 $CM_{51}$ | 14.8 | X | 87.88270 | 329.14489 | 266.19847 | 0.75882 | 0.0576414 | 0.18501811 | 3.0501876 | 20 | 9 10.6 | 19.1 |
| 95245 2002 $CV_{51}$ | 14.5 | X | 55.22120 | 270.16101 | 337.86777 | 11.13278 | 0.0886181 | 0.18155852 | 3.0888131 | 20 | 8 21.9 | 18.6 |
| 95246 2002 $CB_{52}$ | 14.2 | X | 356.20918 | 274.19585 | 314.66357 | 0.84971 | 0.1847549 | 0.16996030 | 3.2277835 | 20 | 4 23.6 | 17.6 |
| 95247 Schalansky | 14.1 | X | 342.75934 | 260.10169 | 347.48364 | 16.52512 | 0.1099546 | 0.17031234 | 3.2233339 | 20 | 4 21.9 | 18.4 |
| 95248 2002 $CS_{54}$ | 15.6 | X | 32.22841 | 293.11938 | 157.70203 | 3.39752 | 0.0363464 | 0.21234376 | 2.7825505 | 20 | — | — |
| 95249 2002 $CC_{55}$ | 15.0 | X | 107.76929 | 309.52180 | 272.27354 | 3.63400 | 0.0988453 | 0.18671929 | 3.0316328 | 20 | 9 19.8 | 19.5 |
| 95250 2002 $CQ_{55}$ | 15.4 | X | 34.65931 | 333.61009 | 173.03282 | 5.08157 | 0.1014922 | 0.21953839 | 2.7214210 | 20 | 3 6.2 | 18.4 |
| 95251 2002 $CR_{55}$ | 15.9 | X | 125.01823 | 122.45685 | 307.70654 | 3.26260 | 0.2260049 | 0.27912233 | 2.3188518 | 20 | 4 11.1 | 19.2 |
| 95252 2002 $CW_{55}$ | 14.4 | X | 46.32462 | 322.23462 | 162.79599 | 32.31506 | 0.0740855 | 0.21809727 | 2.7333960 | 20 | 2 22.8 | 17.8 |
| 95253 2002 $CD_{56}$ | 14.6 | X | 109.19825 | 234.15029 | 322.82325 | 10.17728 | 0.0817177 | 0.18277255 | 3.0751200 | 20 | 8 20.9 | 19.0 |
| 95254 2002 $CM_{56}$ | 15.5 | X | 79.55077 | 319.35480 | 156.52304 | 13.97255 | 0.0952673 | 0.22211545 | 2.7003302 | 20 | 4 6.0 | 19.1 |
| 95255 2002 $CU_{56}$ | 14.2 | X | 31.06158 | 203.71497 | 345.82749 | 6.37349 | 0.0967547 | 0.16959721 | 3.2323887 | 20 | 4 28.7 | 18.4 |
| 95256 2002 $CZ_{57}$ | 15.4 | X | 327.41954 | 118.31143 | 168.43672 | 9.90300 | 0.0566958 | 0.23224659 | 2.6212181 | 20 | 6 2.7 | 18.8 |
| 95257 2002 $CD_{59}$ | 14.8 | X | 42.33173 | 121.75566 | 167.14088 | 1.82959 | 0.0692577 | 0.18575674 | 3.0420966 | 20 | 9 22.9 | 18.8 |
| 95258 2002 $CE_{59}$ | 14.7 | X | 66.50987 | 23.48285 | 181.59677 | 0.76492 | 0.0785029 | 0.17716017 | 3.1397278 | 20 | 7 9.3 | 19.1 |
| 95259 2002 $CG_{59}$ | 16.4 | X | 319.35977 | 317.06154 | 152.65334 | 3.15565 | 0.1374878 | 0.25745466 | 2.4471967 | 20 | — | — |
| 95260 2002 $CS_{59}$ | 14.4 | X | 114.04188 | 126.09337 | 159.43181 | 13.67756 | 0.0924145 | 0.19536543 | 2.9415139 | 20 | 12 15.6 | 19.2 |
| 95261 2002 $CD_{61}$ | 14.4 | X | 82.11135 | 200.00496 | 26.17431 | 9.27099 | 0.2324809 | 0.18406918 | 3.0606618 | 20 | 9 17.6 | 19.2 |
| 95262 2002 $CL_{61}$ | 15.2 | X | 216.90285 | 341.86430 | 109.09054 | 13.69896 | 0.1456336 | 0.24221187 | 2.5488196 | 20 | 8 5.2 | 19.0 |
| 95263 2002 $CW_{61}$ | 16.0 | X | 292.65722 | 80.18483 | 39.68518 | 7.46729 | 0.1003058 | 0.25681824 | 2.4512380 | 20 | — | — |
| 95264 2002 $CF_{63}$ | 15.2 | X | 80.13739 | 6.03923 | 87.64342 | 9.45757 | 0.0196484 | 0.22034074 | 2.7148105 | 20 | 2 27.9 | 18.9 |
| 95265 2002 $CT_{63}$ | 14.6 | X | 114.37637 | 282.68202 | 23.87377 | 13.04470 | 0.1443718 | 0.20190684 | 2.8776327 | 20 | — | — |
| 95266 2002 $CL_{64}$ | 15.5 | X | 39.79853 | 296.62570 | 85.50243 | 9.89191 | 0.2242991 | 0.25993459 | 2.4316067 | 20 | — | — |
| 95267 2002 $CQ_{66}$ | 15.4 | X | 244.23937 | 298.56526 | 320.02669 | 8.13330 | 0.1974857 | 0.21466010 | 2.7624971 | 20 | 1 2.8 | 20.0 |
| 95268 2002 $CB_{68}$ | 16.2 | X | 197.22236 | 233.02253 | 134.77134 | 3.98606 | 0.2139798 | 0.28354698 | 2.2946654 | 20 | 3 29.2 | 20.0 |
| 95269 2002 $CO_{68}$ | 15.3 | X | 144.54212 | 210.31682 | 117.05648 | 5.51140 | 0.0641116 | 0.21263269 | 2.7800292 | 20 | — | — |
| 95270 2002 $CQ_{68}$ | 16.9 | X | 69.90814 | 25.81081 | 5.84199 | 1.31081 | 0.1895355 | 0.26781668 | 2.3836600 | 20 | — | — |
| 95271 2002 $CH_{69}$ | 15.6 | X | 100.44813 | 62.74623 | 331.36599 | 5.60397 | 0.0337766 | 0.21602089 | 2.7508836 | 20 | 1 9.1 | 19.3 |
| 95272 2002 $CB_{70}$ | 15.5 | X | 97.47919 | 95.72420 | 332.77029 | 8.56252 | 0.0638482 | 0.22115275 | 2.7081611 | 20 | 2 20.6 | 19.2 |
| 95273 2002 $CR_{72}$ | 15.3 | X | 67.55288 | 101.99907 | 132.52737 | 2.68013 | 0.1524286 | 0.18378015 | 3.0638698 | 20 | 8 29.8 | 19.4 |
| 95274 2002 $CU_{72}$ | 16.6 | X | 54.69338 | 264.21150 | 137.06453 | 6.79558 | 0.1558762 | 0.26533374 | 2.3985074 | 20 | — | — |
| 95275 2002 $CN_{73}$ | 14.9 | X | 94.30111 | 255.47854 | 331.20498 | 5.00636 | 0.0707704 | 0.18777887 | 3.0202176 | 20 | 9 8.9 | 19.1 |
| 95276 2002 $CZ_{73}$ | 15.6 | X | 89.32929 | 301.36918 | 28.77458 | 2.21980 | 0.0655686 | 0.20337776 | 2.8637410 | 20 | — | — |
| 95277 2002 $CH_{75}$ | 14.9 | X | 298.44858 | 204.72844 | 66.85920 | 1.93312 | 0.1657621 | 0.17035148 | 3.2228402 | 20 | 3 19.9 | 19.4 |
| 95278 2002 $CC_{76}$ | 15.6 | X | 97.72085 | 14.63036 | 25.43261 | 2.79896 | 0.0632640 | 0.21577708 | 2.7529554 | 20 | 1 17.1 | 19.2 |
| 95279 2002 $CO_{76}$ | 15.5 | X | 326.18767 | 353.95862 | 305.30994 | 1.20767 | 0.1111349 | 0.23270919 | 2.6177431 | 20 | 6 11.3 | 18.2 |
| 95280 2002 $CD_{79}$ | 16.6 | X | 135.46872 | 72.75972 | 353.52380 | 4.14095 | 0.2178989 | 0.28145170 | 2.3060398 | 20 | 4 15.9 | 20.1 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95281 2002 $CR_{79}$ | 16.0 | X | 57.10689 | 144.18121 | 326.23682 | 2.54822 | 0.0535511 | 0.21912933 | 2.7248068 | 20 | 2 18.1 | 19.5 |
| 95282 2002 $CX_{79}$ | 15.8 | X | 244.53594 | 210.19379 | 120.48408 | 4.51272 | 0.1018852 | 0.22594016 | 2.6697695 | 20 | 4 5.6 | 19.7 |
| 95283 2002 $CO_{81}$ | 15.0 | X | 113.72615 | 307.19045 | 8.59726 | 1.85778 | 0.0805830 | 0.20295987 | 2.8676707 | 20 | — | — |
| 95284 2002 $CH_{83}$ | 14.9 | X | 66.27772 | 167.50237 | 96.27248 | 2.88061 | 0.0626430 | 0.18758402 | 3.0223087 | 20 | 9 22.9 | 19.1 |
| 95285 2002 $CP_{83}$ | 16.2 | X | 101.44710 | 73.82647 | 12.37088 | 3.89777 | 0.1285493 | 0.27692628 | 2.3310948 | 20 | 3 24.4 | 18.8 |
| 95286 2002 $CL_{84}$ | 16.3 | X | 122.33715 | 327.39302 | 149.35930 | 4.43218 | 0.0957704 | 0.22934209 | 2.6433025 | 20 | 5 29.4 | 20.2 |
| 95287 2002 $CN_{84}$ | 15.9 | X | 215.91558 | 238.67759 | 137.03501 | 2.58476 | 0.0997278 | 0.22850913 | 2.6497222 | 20 | 4 30.7 | 20.0 |
| 95288 2002 $CG_{85}$ | 15.6 | X | 195.29215 | 244.67674 | 36.77941 | 3.53705 | 0.0930250 | 0.21197353 | 2.7857895 | 20 | — | — |
| 95289 2002 $CG_{88}$ | 15.4 | X | 183.93408 | 306.57671 | 329.78513 | 6.57858 | 0.0588345 | 0.20820961 | 2.8192627 | 20 | — | — |
| 95290 2002 $CJ_{88}$ | 15.9 | X | 129.46246 | 48.20795 | 334.89696 | 5.18012 | 0.0616552 | 0.21780654 | 2.7358279 | 20 | 2 4.1 | 19.6 |
| 95291 2002 $CP_{88}$ | 15.6 | X | 173.11952 | 219.45808 | 136.32170 | 10.35555 | 0.0460422 | 0.21961187 | 2.7208139 | 20 | 2 19.1 | 19.5 |
| 95292 2002 $CM_{89}$ | 15.2 | X | 74.05634 | 222.35408 | 81.01868 | 3.09044 | 0.0580348 | 0.19577763 | 2.9373837 | 20 | 11 19.9 | 19.3 |
| 95293 2002 $CB_{90}$ | 15.4 | X | 183.56146 | 182.98470 | 135.63981 | 15.49948 | 0.0817510 | 0.21409673 | 2.7673411 | 20 | 1 17.7 | 19.6 |
| 95294 2002 $CG_{90}$ | 15.2 | X | 244.69133 | 153.72566 | 137.23749 | 10.88816 | 0.1106168 | 0.21796404 | 2.7345098 | 20 | 2 14.8 | 19.3 |
| 95295 2002 $CM_{91}$ | 15.4 | X | 357.53665 | 42.23758 | 32.99369 | 2.37811 | 0.0428096 | 0.20441711 | 2.8540257 | 20 | — | — |
| 95296 2002 $CQ_{91}$ | 14.9 | X | 345.64669 | 164.21002 | 136.21914 | 11.33676 | 0.0816012 | 0.18067603 | 3.0988629 | 20 | 7 15.1 | 18.8 |
| 95297 2002 $CW_{91}$ | 16.1 | X | 346.00110 | 209.16266 | 2.20638 | 2.95365 | 0.1132323 | 0.22065672 | 2.7122181 | 20 | 3 12.9 | 19.0 |
| 95298 2002 $CL_{93}$ | 15.2 | X | 339.95742 | 132.13956 | 142.26396 | 1.32015 | 0.1744248 | 0.17516648 | 3.1635064 | 20 | 5 25.8 | 18.7 |
| 95299 2002 $CO_{93}$ | 15.8 | X | 223.07877 | 280.88247 | 126.31651 | 7.52808 | 0.1548700 | 0.23618826 | 2.5919732 | 20 | 6 13.6 | 19.8 |
| 95300 2002 $CD_{96}$ | 14.9 | X | 84.61465 | 75.54307 | 125.84362 | 2.53477 | 0.1271176 | 0.18016385 | 3.1047332 | 20 | 8 4.1 | 19.3 |
| 95301 2002 $CS_{96}$ | 14.8 | X | 87.38257 | 267.35859 | 347.87963 | 9.48533 | 0.0596906 | 0.18885136 | 3.0087722 | 20 | 10 3.6 | 19.2 |
| 95302 2002 $CN_{97}$ | 15.2 | X | 40.08637 | 287.66591 | 101.43116 | 3.11455 | 0.0989437 | 0.20384251 | 2.8593866 | 20 | — | — |
| 95303 2002 $CC_{98}$ | 15.0 | X | 154.03536 | 199.30952 | 150.70571 | 12.04005 | 0.0759981 | 0.21378040 | 2.7700703 | 20 | 1 23.2 | 19.1 |
| 95304 2002 $CQ_{98}$ | 15.4 | X | 116.57117 | 297.02308 | 79.48813 | 1.68425 | 0.0847316 | 0.21274057 | 2.7790893 | 20 | 1 14.7 | 19.1 |
| 95305 2002 $CJ_{99}$ | 14.3 | X | 40.35528 | 128.10015 | 144.04309 | 10.25887 | 0.1855701 | 0.18178367 | 3.0862621 | 20 | 9 17.2 | 18.3 |
| 95306 2002 $CS_{99}$ | 15.7 | X | 54.66687 | 51.93316 | 64.53495 | 2.88760 | 0.0478642 | 0.21808214 | 2.7335225 | 20 | 2 23.7 | 19.1 |
| 95307 2002 $CP_{101}$ | 15.8 | X | 337.55877 | 333.98952 | 110.64920 | 3.41320 | 0.1520414 | 0.25749327 | 2.4469520 | 20 | — | — |
| 95308 2002 $CW_{101}$ | 15.2 | X | 115.53514 | 351.34176 | 126.15665 | 4.08010 | 0.0238975 | 0.22681217 | 2.6629222 | 20 | 5 13.2 | 18.7 |
| 95309 2002 $CY_{101}$ | 14.9 | X | 174.44122 | 290.74409 | 2.28593 | 5.75536 | 0.0406154 | 0.20693259 | 2.8308496 | 20 | — | — |
| 95310 2002 $CP_{102}$ | 15.2 | X | 175.08212 | 2.95920 | 359.08280 | 4.91460 | 0.0058594 | 0.21791247 | 2.7349412 | 20 | 2 27.2 | 18.9 |
| 95311 2002 $CZ_{102}$ | 15.0 | X | 163.75248 | 43.61339 | 115.93149 | 4.09283 | 0.0411700 | 0.18607793 | 3.0385949 | 20 | 9 4.6 | 19.4 |
| 95312 2002 $CD_{103}$ | 14.8 | X | 186.17027 | 355.13184 | 140.59540 | 10.94201 | 0.0704999 | 0.18632523 | 3.0359057 | 20 | 8 29.9 | 19.3 |
| 95313 2002 $CA_{104}$ | 14.8 | X | 357.36197 | 203.08310 | 44.13054 | 1.29556 | 0.1214573 | 0.17228106 | 3.1987307 | 20 | 5 22.9 | 18.5 |
| 95314 2002 $CM_{104}$ | 15.3 | X | 181.29530 | 298.40099 | 19.85975 | 4.56453 | 0.0591350 | 0.21125619 | 2.7920922 | 20 | 1 15.5 | 19.4 |
| 95315 2002 $CT_{104}$ | 14.6 | X | 116.86826 | 99.18834 | 48.64441 | 3.04687 | 0.1206405 | 0.17680485 | 3.1439329 | 20 | 7 3.2 | 19.3 |
| 95316 2002 $CB_{105}$ | 14.6 | X | 59.24505 | 261.37974 | 357.89848 | 9.49012 | 0.0847286 | 0.18328302 | 3.0694075 | 20 | 9 10.4 | 18.7 |
| 95317 2002 $CJ_{106}$ | 15.4 | X | 226.46391 | 142.40204 | 72.81312 | 2.82489 | 0.0577002 | 0.20203341 | 2.8764307 | 20 | — | — |
| 95318 2002 $CF_{107}$ | 14.0 | X | 144.58203 | 304.42050 | 13.18864 | 9.92425 | 0.0921815 | 0.15081726 | 3.4954413 | 20 | — | — |
| 95319 2002 $CH_{107}$ | 16.1 | X | 300.23102 | 40.22513 | 71.60441 | 3.13268 | 0.1713523 | 0.25488924 | 2.4635897 | 20 | — | — |
| 95320 2002 $CR_{107}$ | 15.2 | X | 42.75962 | 355.02631 | 88.71203 | 2.27826 | 0.0625945 | 0.21013591 | 2.8020069 | 20 | — | — |
| 95321 2002 $CB_{108}$ | 14.3 | X | 15.04046 | 260.70987 | 358.79771 | 20.18864 | 0.0972075 | 0.17545040 | 3.1600925 | 20 | 7 13.5 | 18.7 |
| 95322 2002 $CE_{108}$ | 15.2 | X | 344.38092 | 171.94794 | 357.80569 | 12.69144 | 0.0610041 | 0.21301449 | 2.7767063 | 20 | 1 26.6 | 19.0 |
| 95323 2002 $CS_{108}$ | 15.1 | X | 52.12757 | 338.40341 | 166.67818 | 15.01901 | 0.1030356 | 0.21996184 | 2.7179272 | 20 | 4 4.8 | 18.4 |
| 95324 2002 $CU_{108}$ | 14.9 | X | 13.69910 | 354.69922 | 168.56537 | 26.09319 | 0.0945385 | 0.21616026 | 2.7497010 | 20 | 2 22.5 | 18.2 |
| 95325 2002 $CR_{109}$ | 14.7 | X | 121.92001 | 191.16706 | 79.33365 | 3.51904 | 0.0506967 | 0.19611173 | 2.9340466 | 20 | 12 3.0 | 19.0 |
| 95326 2002 $CC_{110}$ | 15.0 | X | 332.15681 | 233.43303 | 124.94496 | 4.72805 | 0.0414925 | 0.18736839 | 3.0246271 | 20 | 9 13.6 | 19.0 |
| 95327 2002 $CM_{110}$ | 15.3 | X | 1.52029 | 10.70736 | 51.74745 | 1.18060 | 0.0593418 | 0.20192419 | 2.8774679 | 20 | — | — |
| 95328 2002 $CE_{111}$ | 15.1 | X | 223.04178 | 262.24203 | 13.57492 | 4.48725 | 0.0268440 | 0.21111222 | 2.7933614 | 20 | 1 9.9 | 19.1 |
| 95329 2002 $CQ_{111}$ | 14.9 | X | 334.92668 | 321.59077 | 148.79058 | 11.69634 | 0.0764243 | 0.20405110 | 2.8574376 | 20 | — | — |
| 95330 2002 $CC_{114}$ | 15.1 | X | 113.53317 | 353.23950 | 120.03266 | 14.96436 | 0.0288969 | 0.22718881 | 2.6599783 | 20 | 5 10.3 | 19.0 |
| 95331 2002 $CH_{114}$ | 15.5 | X | 277.40917 | 33.14850 | 97.05083 | 8.32662 | 0.1265400 | 0.25443288 | 2.4665347 | 20 | 12 23.5 | 18.0 |
| 95332 2002 $CQ_{117}$ | 14.1 | X | 355.29330 | 92.62728 | 152.39916 | 13.37663 | 0.1279299 | 0.16977956 | 3.2300738 | 20 | 5 20.2 | 18.2 |
| 95333 2002 $CA_{118}$ | 14.4 | X | 43.03853 | 77.96265 | 161.24951 | 10.12203 | 0.0335645 | 0.17894468 | 3.1188192 | 20 | 7 14.8 | 18.8 |
| 95334 2002 $CD_{118}$ | 15.2 | X | 29.42880 | 181.71035 | 2.57008 | 3.92539 | 0.0244653 | 0.22305681 | 2.6927274 | 20 | 4 13.1 | 18.6 |
| 95335 2002 $CU_{118}$ | 14.5 | X | 14.23426 | 292.00501 | 46.23047 | 10.66960 | 0.0635288 | 0.19149274 | 2.9810403 | 20 | 10 19.8 | 18.4 |
| 95336 2002 $CM_{122}$ | 15.7 | X | 99.67286 | 247.63330 | 297.35943 | 7.64521 | 0.1270677 | 0.23555267 | 2.5966338 | 20 | 8 3.7 | 19.4 |
| 95337 2002 $CO_{125}$ | 14.9 | X | 27.20425 | 110.27547 | 156.92118 | 12.41059 | 0.1482697 | 0.18116998 | 3.0932277 | 20 | 8 12.1 | 18.7 |
| 95338 2002 $CC_{126}$ | 16.8 | X | 52.18727 | 118.81570 | 309.01104 | 2.54045 | 0.2296840 | 0.26922728 | 2.3753267 | 20 | — | — |
| 95339 2002 $CW_{127}$ | 15.7 | X | 271.53543 | 66.02685 | 194.07517 | 2.33294 | 0.1350686 | 0.21832729 | 2.7314759 | 20 | 2 1.6 | 19.6 |
| 95340 2002 $CR_{129}$ | 16.4 | X | 120.37802 | 163.93992 | 220.66915 | 0.66768 | 0.1693014 | 0.27214065 | 2.3583438 | 20 | 2 1.0 | 19.2 |
| 95341 2002 $CP_{130}$ | 15.4 | X | 274.61065 | 50.93891 | 234.86955 | 1.68859 | 0.0455795 | 0.22180543 | 2.7028457 | 20 | 3 19.0 | 19.1 |
| 95342 2002 $CW_{132}$ | 15.4 | X | 321.40254 | 100.13086 | 352.55319 | 1.09930 | 0.0505799 | 0.20080722 | 2.8881284 | 20 | 12 28.6 | 19.0 |
| 95343 2002 $CM_{133}$ | 15.3 | X | 148.82461 | 128.00123 | 343.01869 | 13.27333 | 0.0379770 | 0.23032625 | 2.6357675 | 20 | 6 16.4 | 19.3 |
| 95344 2002 $CX_{133}$ | 14.7 | X | 34.20195 | 306.54859 | 349.57997 | 9.15340 | 0.0828076 | 0.18445526 | 3.0563894 | 20 | 9 21.5 | 18.7 |
| 95345 2002 $CZ_{133}$ | 14.8 | X | 90.63289 | 162.83954 | 349.83985 | 11.88169 | 0.0985826 | 0.22598107 | 2.6694473 | 20 | 6 4.4 | 18.7 |
| 95346 2002 $CY_{134}$ | 15.9 | X | 137.81352 | 252.11087 | 173.10003 | 6.38977 | 0.0997579 | 0.28548174 | 2.2842861 | 20 | 4 7.2 | 18.9 |
| 95347 2002 $CR_{136}$ | 16.1 | X | 4.61667 | 211.27356 | 250.50725 | 5.53013 | 0.1527385 | 0.26676121 | 2.3899433 | 20 | — | — |
| 95348 2002 $CM_{137}$ | 15.4 | X | 32.36718 | 229.18583 | 31.92164 | 6.51888 | 0.0758154 | 0.23786686 | 2.5797647 | 20 | 8 12.9 | 18.6 |
| 95349 2002 $CT_{137}$ | 15.0 | X | 279.38852 | 316.67132 | 275.91500 | 7.62039 | 0.0906588 | 0.21630739 | 2.7484541 | 20 | 1 13.2 | 18.8 |
| 95350 2002 $CJ_{138}$ | 15.8 | X | 194.63381 | 203.52857 | 198.76159 | 3.62008 | 0.1815435 | 0.28735883 | 2.2743276 | 20 | 5 9.1 | 19.4 |
| 95351 2002 $CT_{138}$ | 15.5 | X | 359.12242 | 2.23506 | 158.31835 | 14.73922 | 0.1259232 | 0.21797978 | 2.7343782 | 20 | 1 23.4 | 18.8 |
| 95352 2002 $CW_{138}$ | 15.5 | X | 0.59644 | 268.20001 | 252.66802 | 3.81529 | 0.1010943 | 0.21836107 | 2.7311941 | 20 | 1 28.6 | 18.8 |
| 95353 2002 $CY_{138}$ | 15.2 | X | 67.87143 | 104.83948 | 160.59470 | 14.49285 | 0.0471322 | 0.24376034 | 2.5380140 | 20 | 10 4.7 | 18.6 |
| 95354 2002 $CV_{140}$ | 15.3 | X | 185.41500 | 203.13367 | 119.97987 | 15.36042 | 0.0965030 | 0.21750373 | 2.7383665 | 20 | 1 25.7 | 19.4 |
| 95355 2002 $CQ_{141}$ | 14.7 | X | 321.78215 | 260.15430 | 292.64259 | 8.07103 | 0.0945735 | 0.21456642 | 2.7633011 | 20 | 1 15.8 | 18.2 |
| 95356 2002 $CU_{141}$ | 14.0 | X | 32.08837 | 19.18581 | 181.28960 | 15.11485 | 0.1854519 | 0.17105464 | 3.2140020 | 20 | 5 28.6 | 18.0 |
| 95357 2002 $CS_{143}$ | 16.3 | X | 21.33892 | 104.98582 | 305.70377 | 1.45583 | 0.1842460 | 0.26132815 | 2.4229545 | 20 | — | — |
| 95358 2002 $CV_{143}$ | 14.4 | X | 52.60907 | 119.29825 | 165.53483 | 16.39736 | 0.2090448 | 0.18670219 | 3.0318179 | 20 | 10 25.1 | 18.8 |
| 95359 2002 $CN_{144}$ | 15.3 | X | 242.98324 | 14.62878 | 318.82204 | 13.04042 | 0.0950780 | 0.22475501 | 2.6791465 | 20 | 3 30.0 | 19.6 |
| 95360 2002 $CV_{144}$ | 14.8 | X | 1.32148 | 106.83872 | 189.31391 | 4.02775 | 0.0597825 | 0.18193606 | 3.0845385 | 20 | 8 1.7 | 18.8 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95361 2002 $CC_{145}$ | 15.1 | X | 133.24290 | 71.78658 | 252.68496 | 0.76506 | 0.0729696 | 0.20592760 | 2.8400523 | 20 | — | — |
| 95362 2002 $CH_{146}$ | 15.2 | X | 197.67078 | 298.24674 | 214.89115 | 3.03285 | 0.0563796 | 0.19021987 | 2.9943240 | 20 | 10 3.1 | 19.6 |
| 95363 2002 $CF_{147}$ | 13.9 | X | 295.58363 | 357.56051 | 350.94763 | 27.01477 | 0.1102920 | 0.17761839 | 3.1343255 | 20 | 7 5.7 | 18.6 |
| 95364 2002 $CX_{151}$ | 15.3 | X | 229.76409 | 128.33547 | 89.70211 | 3.23815 | 0.0170487 | 0.20413143 | 2.8566879 | 20 | — | — |
| 95365 2002 $CS_{155}$ | 15.1 | X | 191.21824 | 205.69941 | 25.79481 | 5.35637 | 0.1598458 | 0.20289975 | 2.8682370 | 20 | 12 23.2 | 19.7 |
| 95366 2002 $CK_{156}$ | 16.6 | X | 96.17350 | 352.35572 | 32.29731 | 3.16369 | 0.1686613 | 0.27220174 | 2.3579908 | 20 | — | — |
| 95367 2002 $CS_{157}$ | 14.9 | X | 94.15509 | 277.08237 | 342.82155 | 8.66083 | 0.0272240 | 0.19320479 | 2.9634035 | 20 | 10 13.5 | 19.2 |
| 95368 2002 $CT_{160}$ | 16.4 | X | 28.04642 | 79.06817 | 16.90458 | 5.66693 | 0.1817832 | 0.27023724 | 2.3694047 | 20 | — | — |
| 95369 2002 $CX_{160}$ | 16.7 | X | 82.09679 | 43.14980 | 358.75588 | 5.12412 | 0.2244799 | 0.27203942 | 2.3589287 | 20 | 1 8.2 | 18.8 |
| 95370 2002 $CB_{161}$ | 15.9 | X | 328.13493 | 324.95237 | 184.15408 | 5.05511 | 0.0424765 | 0.21279609 | 2.7786059 | 20 | — | — |
| 95371 2002 $CH_{162}$ | 15.5 | X | 171.87163 | 12.29014 | 66.76138 | 3.97342 | 0.0639418 | 0.23309752 | 2.6148350 | 20 | 6 2.8 | 19.1 |
| 95372 2002 $CJ_{162}$ | 15.4 | X | 229.44481 | 145.46121 | 91.50866 | 5.05085 | 0.0453711 | 0.20973986 | 2.8055331 | 20 | — | — |
| 95373 2002 $CK_{163}$ | 15.7 | X | 185.28017 | 94.50068 | 353.63373 | 8.37972 | 0.1443134 | 0.23692696 | 2.5865829 | 20 | 6 29.7 | 20.0 |
| 95374 2002 $CU_{163}$ | 16.6 | X | 117.65831 | 18.44327 | 57.77345 | 3.39366 | 0.1978649 | 0.27998194 | 2.3141031 | 20 | 4 10.8 | 19.8 |
| 95375 2002 $CH_{165}$ | 16.5 | X | 112.83018 | 328.23884 | 99.72401 | 4.92911 | 0.1874179 | 0.27799146 | 2.3251363 | 20 | 3 25.5 | 19.5 |
| 95376 2002 $CL_{165}$ | 15.3 | X | 25.45636 | 140.96562 | 76.33370 | 3.97144 | 0.0282459 | 0.22962822 | 2.6411062 | 20 | 5 23.6 | 18.5 |
| 95377 2002 $CR_{165}$ | 15.8 | X | 9.48901 | 250.04431 | 5.12537 | 7.06138 | 0.0634673 | 0.23229445 | 2.6208580 | 20 | 6 23.6 | 19.0 |
| 95378 2002 $CT_{166}$ | 15.3 | X | 114.73521 | 257.14170 | 123.61221 | 14.09266 | 0.1500102 | 0.26958415 | 2.3732299 | 20 | 1 17.2 | 18.2 |
| 95379 2002 $CC_{167}$ | 14.9 | X | 76.90305 | 273.72467 | 357.91975 | 9.90854 | 0.1350985 | 0.18940504 | 3.0029057 | 20 | 10 20.7 | 19.4 |
| 95380 2002 $CN_{167}$ | 14.7 | X | 304.15885 | 220.30986 | 356.05318 | 14.00012 | 0.1505328 | 0.21492085 | 2.7602623 | 20 | 1 18.9 | 18.8 |
| 95381 2002 $CN_{169}$ | 14.7 | X | 33.24523 | 205.69156 | 49.47369 | 5.81549 | 0.1523372 | 0.17902343 | 3.1179044 | 20 | 8 9.6 | 18.6 |
| 95382 2002 $CT_{169}$ | 15.3 | X | 268.61711 | 131.35351 | 19.15808 | 6.53273 | 0.1499036 | 0.25523184 | 2.4613846 | 20 | — | — |
| 95383 2002 $CC_{170}$ | 14.9 | X | 203.81897 | 276.60780 | 38.40340 | 5.92443 | 0.0599833 | 0.21498436 | 2.7597186 | 20 | 2 5.6 | 19.0 |
| 95384 2002 $CG_{170}$ | 14.2 | X | 91.22450 | 205.92852 | 13.94352 | 7.80228 | 0.1242234 | 0.18316975 | 3.0706728 | 20 | 9 6.1 | 18.8 |
| 95385 2002 $CQ_{170}$ | 14.7 | X | 61.89521 | 96.77347 | 131.79922 | 10.32387 | 0.0437754 | 0.18017394 | 3.1046172 | 20 | 7 28.6 | 19.0 |
| 95386 2002 $CR_{170}$ | 15.8 | X | 173.03184 | 57.04810 | 77.87197 | 4.61987 | 0.0893802 | 0.23823272 | 2.5771228 | 20 | 8 19.5 | 19.6 |
| 95387 2002 $CN_{171}$ | 15.5 | X | 110.95958 | 14.00427 | 107.80460 | 5.01802 | 0.1552370 | 0.22758229 | 2.6569114 | 20 | 5 29.7 | 19.4 |
| 95388 2002 $CF_{172}$ | 15.0 | X | 128.83995 | 164.64196 | 124.86069 | 12.76464 | 0.1345190 | 0.20015162 | 2.8944317 | 20 | — | — |
| 95389 2002 $CS_{173}$ | 15.4 | X | 280.12739 | 172.70717 | 85.42802 | 4.09726 | 0.0152785 | 0.21814173 | 2.7330246 | 20 | 2 26.9 | 19.1 |
| 95390 2002 $CO_{174}$ | 14.4 | X | 61.52109 | 81.33390 | 141.31267 | 11.61851 | 0.0854968 | 0.17809849 | 3.1286901 | 20 | 7 26.0 | 18.7 |
| 95391 2002 $CY_{174}$ | 15.1 | X | 111.32379 | 328.90156 | 147.69145 | 14.31352 | 0.2018866 | 0.22671060 | 2.6637175 | 20 | 5 31.0 | 19.5 |
| 95392 2002 $CW_{178}$ | 15.3 | X | 183.90613 | 302.01496 | 351.58436 | 4.48967 | 0.1075561 | 0.21263697 | 2.7799920 | 20 | — | — |
| 95393 2002 $CU_{183}$ | 15.5 | X | 261.48024 | 177.60007 | 29.96889 | 2.23970 | 0.0307175 | 0.21069448 | 2.7970524 | 20 | — | — |
| 95394 2002 $CX_{184}$ | 15.7 | X | 144.16056 | 248.40684 | 125.05029 | 7.06002 | 0.0768355 | 0.21925492 | 2.7237662 | 20 | 2 10.8 | 19.7 |
| 95395 2002 $CS_{187}$ | 15.7 | X | 218.23773 | 211.01064 | 133.28584 | 8.52845 | 0.1261271 | 0.22576390 | 2.6711589 | 20 | 3 25.5 | 19.9 |
| 95396 2002 $CG_{188}$ | 15.9 | X | 148.20217 | 219.72495 | 129.19075 | 2.85734 | 0.0842847 | 0.21544930 | 2.7557468 | 20 | 1 16.9 | 19.8 |
| 95397 2002 $CZ_{192}$ | 15.6 | X | 182.47217 | 276.94004 | 68.33688 | 2.88788 | 0.0925012 | 0.22032096 | 2.7149730 | 20 | 2 19.1 | 19.7 |
| 95398 2002 $CF_{196}$ | 15.2 | X | 290.34614 | 346.66518 | 333.13622 | 11.62070 | 0.1922205 | 0.23145552 | 2.6271872 | 20 | 4 25.7 | 18.9 |
| 95399 2002 $CR_{198}$ | 16.2 | X | 193.20302 | 303.81319 | 80.62455 | 2.16761 | 0.1837988 | 0.28339857 | 2.2954664 | 20 | 4 15.1 | 19.8 |
| 95400 2002 $CC_{199}$ | 15.9 | X | 178.12839 | 199.40437 | 123.54278 | 4.32845 | 0.0823242 | 0.21469188 | 2.7622244 | 20 | 1 17.5 | 20.0 |
| 95401 2002 $CK_{199}$ | 15.8 | X | 194.29588 | 184.22567 | 128.41470 | 2.46081 | 0.0456940 | 0.21550991 | 2.7552301 | 20 | 1 20.7 | 19.8 |
| 95402 2002 $CS_{199}$ | 14.9 | X | 17.45525 | 232.65653 | 20.79260 | 1.79708 | 0.1142061 | 0.17875006 | 3.1210826 | 20 | 7 5.3 | 18.7 |
| 95403 2002 $CC_{207}$ | 15.2 | X | 60.87789 | 150.75120 | 124.09704 | 5.70470 | 0.1168801 | 0.18804182 | 3.0174014 | 20 | 10 9.0 | 19.4 |
| 95404 2002 $CO_{207}$ | 15.1 | X | 250.24856 | 324.25199 | 357.44989 | 4.49611 | 0.2325523 | 0.22403129 | 2.6849132 | 20 | 3 17.7 | 19.5 |
| 95405 2002 $CN_{210}$ | 15.4 | X | 49.10809 | 189.65535 | 67.07649 | 2.31107 | 0.1050929 | 0.18292777 | 3.0733802 | 20 | 8 27.5 | 19.5 |
| 95406 2002 $CE_{212}$ | 16.5 | X | 180.94163 | 49.68191 | 322.38712 | 5.23601 | 0.0379501 | 0.22329934 | 2.6907773 | 20 | 3 16.2 | 20.3 |
| 95407 2002 $CJ_{212}$ | 16.0 | X | 318.46592 | 208.42860 | 129.49295 | 2.72036 | 0.1790773 | 0.23880591 | 2.5729973 | 20 | 7 17.3 | 18.5 |
| 95408 2002 $CT_{213}$ | 15.4 | X | 330.30706 | 352.54548 | 110.30358 | 3.61250 | 0.0174558 | 0.20398461 | 2.8580585 | 20 | — | — |
| 95409 2002 $CN_{215}$ | 15.2 | X | 32.10343 | 320.54117 | 329.92282 | 2.63105 | 0.0825446 | 0.18552124 | 3.0446705 | 20 | 9 11.9 | 19.1 |
| 95410 2002 $CJ_{217}$ | 14.8 | X | 344.03814 | 292.48414 | 353.30050 | 9.93927 | 0.0903073 | 0.17684308 | 3.1434798 | 20 | 6 23.0 | 18.9 |
| 95411 2002 $CY_{218}$ | 14.6 | X | 33.57766 | 131.95123 | 152.15849 | 11.81221 | 0.1014033 | 0.18317122 | 3.0706564 | 20 | 9 9.6 | 18.5 |
| 95412 2002 $CV_{219}$ | 14.4 | X | 298.91594 | 129.92666 | 161.35629 | 5.75480 | 0.1113935 | 0.16978310 | 3.2300289 | 20 | 4 22.8 | 18.8 |
| 95413 2002 $CB_{220}$ | 14.7 | X | 354.50025 | 195.46291 | 156.25343 | 13.64703 | 0.1765276 | 0.24229757 | 2.5482186 | 20 | 11 2.6 | 17.5 |
| 95414 2002 $CR_{220}$ | 14.7 | X | 345.07143 | 230.88288 | 93.76452 | 2.41912 | 0.1317756 | 0.18208856 | 3.0828160 | 20 | 8 17.1 | 18.3 |
| 95415 2002 $CX_{220}$ | 16.1 | X | 183.84368 | 289.15583 | 159.06525 | 5.02041 | 0.1514015 | 0.23351269 | 2.6117347 | 20 | 6 27.2 | 20.3 |
| 95416 2002 $CN_{221}$ | 15.3 | X | 260.63398 | 25.84462 | 118.22585 | 3.35019 | 0.0868841 | 0.19761870 | 2.9191115 | 20 | 12 4.9 | 19.2 |
| 95417 2002 $CP_{221}$ | 14.7 | X | 100.39843 | 227.43461 | 97.55353 | 3.05659 | 0.0275904 | 0.19908718 | 2.9047395 | 20 | — | — |
| 95418 2002 $CD_{224}$ | 15.7 | X | 73.32952 | 294.07181 | 152.52958 | 3.97415 | 0.0750398 | 0.21758849 | 2.7376553 | 20 | 2 12.7 | 19.0 |
| 95419 2002 $CH_{224}$ | 16.0 | X | 134.96742 | 330.55559 | 143.29680 | 4.13403 | 0.0381169 | 0.22868146 | 2.6483908 | 20 | 6 3.5 | 19.6 |
| 95420 2002 $CQ_{226}$ | 15.4 | X | 137.49531 | 29.17027 | 300.57416 | 7.65560 | 0.0848646 | 0.21103374 | 2.7940539 | 20 | — | — |
| 95421 2002 $CG_{229}$ | 16.2 | X | 96.05517 | 249.14084 | 195.32132 | 0.39581 | 0.0012389 | 0.22290236 | 2.6939712 | 20 | 2 29.6 | 19.9 |
| 95422 2002 $CG_{232}$ | 15.9 | X | 273.27243 | 262.61983 | 126.88550 | 13.67545 | 0.1430776 | 0.24125325 | 2.5555670 | 20 | 7 21.2 | 19.0 |
| 95423 2002 $CB_{236}$ | 14.1 | X | 43.70696 | 351.65467 | 199.51755 | 27.58130 | 0.1527251 | 0.17142933 | 3.2093171 | 20 | 5 29.6 | 18.5 |
| 95424 2002 $CY_{236}$ | 14.1 | X | 160.09158 | 306.91893 | 158.65687 | 18.09070 | 0.1160137 | 0.17450612 | 3.1714821 | 20 | 6 25.2 | 19.4 |
| 95425 2002 $CE_{237}$ | 14.7 | X | 33.92791 | 144.90297 | 164.36852 | 6.96320 | 0.1030955 | 0.18684975 | 3.0302214 | 20 | 10 14.0 | 18.7 |
| 95426 2002 $CM_{237}$ | 15.3 | X | 307.04228 | 3.62840 | 112.33574 | 1.73629 | 0.0514064 | 0.20027068 | 2.8932844 | 20 | — | — |
| 95427 2002 $CP_{237}$ | 14.4 | X | 29.79721 | 74.22771 | 158.86042 | 10.28998 | 0.0469892 | 0.17420425 | 3.1751449 | 20 | 6 21.2 | 18.8 |
| 95428 2002 $CF_{238}$ | 16.0 | X | 330.89877 | 241.53152 | 172.46970 | 10.73010 | 0.2675637 | 0.25417509 | 2.4682022 | 20 | 12 27.6 | 18.0 |
| 95429 2002 $CV_{238}$ | 15.5 | X | 100.34801 | 80.65876 | 314.48509 | 5.25753 | 0.0818429 | 0.21264857 | 2.7798908 | 20 | 1 17.4 | 19.1 |
| 95430 2002 $CW_{238}$ | 15.0 | X | 54.00330 | 70.18136 | 198.06414 | 4.21930 | 0.1125234 | 0.18384594 | 3.0631388 | 20 | 9 17.2 | 19.3 |
| 95431 2002 $CZ_{240}$ | 15.2 | X | 19.91330 | 203.28221 | 233.39349 | 1.36361 | 0.0364755 | 0.20569784 | 2.8421668 | 20 | — | — |
| 95432 2002 $CW_{241}$ | 15.2 | X | 37.24697 | 278.03137 | 187.46213 | 8.96376 | 0.0775714 | 0.21409108 | 2.7673898 | 20 | 1 14.3 | 18.7 |
| 95433 2002 $CH_{242}$ | 17.0 | X | 68.89040 | 109.15149 | 329.34206 | 3.15935 | 0.2312645 | 0.27111736 | 2.3642741 | 20 | 2 6.9 | 18.8 |
| 95434 2002 $CL_{242}$ | 14.6 | X | 92.61687 | 252.72131 | 342.70121 | 11.09809 | 0.0745545 | 0.18486722 | 3.0518472 | 20 | 9 17.2 | 19.1 |
| 95435 2002 $CK_{243}$ | 16.5 | X | 306.28772 | 281.58590 | 206.16420 | 1.99404 | 0.1392126 | 0.25719656 | 2.4488336 | 20 | — | — |
| 95436 2002 $CN_{243}$ | 14.6 | X | 340.84152 | 116.97675 | 182.10182 | 16.52761 | 0.1311417 | 0.17640314 | 3.1487041 | 20 | 7 2.2 | 18.7 |
| 95437 2002 $CQ_{243}$ | 16.3 | X | 355.04901 | 280.04758 | 178.84642 | 6.50492 | 0.1712896 | 0.26134473 | 2.4228520 | 20 | — | — |
| 95438 2002 $CD_{244}$ | 14.4 | X | 55.95231 | 59.34802 | 178.68567 | 12.29472 | 0.1189409 | 0.17828642 | 3.1264912 | 20 | 8 10.7 | 18.7 |
| 95439 2002 $CJ_{244}$ | 15.2 | X | 324.26540 | 350.07723 | 350.45832 | 11.46504 | 0.0616728 | 0.23533719 | 2.5982185 | 20 | 8 15.7 | 18.3 |
| 95440 2002 $CS_{244}$ | 14.4 | X | 96.34786 | 223.19325 | 352.00232 | 1.62384 | 0.1181244 | 0.18153930 | 3.0890310 | 20 | 9 2.9 | 19.0 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95441 2002 $CW_{244}$ | 14.4 | X | 314.36718 | 285.60045 | 335.17102 | 5.14893 | 0.0561323 | 0.16810586 | 3.2514779 | 20 | 4 8.9 | 18.9 |
| 95442 2002 $CS_{247}$ | 14.7 | X | 95.50945 | 162.89984 | 40.34677 | 1.99340 | 0.1069233 | 0.18015230 | 3.1048658 | 20 | 8 17.3 | 19.3 |
| 95443 2002 $CW_{247}$ | 14.4 | X | 131.48348 | 187.44895 | 355.36705 | 7.43814 | 0.1796221 | 0.18343331 | 3.0677308 | 20 | 9 3.9 | 19.4 |
| 95444 2002 $CO_{248}$ | 15.5 | X | 184.27880 | 262.58238 | 99.90180 | 7.37312 | 0.0581231 | 0.22156046 | 2.7048377 | 20 | 3 14.2 | 19.5 |
| 95445 2002 $CM_{254}$ | 16.2 | X | 208.90127 | 174.12748 | 207.86758 | 0.89210 | 0.0942763 | 0.23043467 | 2.6349406 | 20 | 4 30.5 | 20.2 |
| 95446 2002 $CW_{254}$ | 14.9 | X | 148.00785 | 359.76431 | 191.10738 | 9.34972 | 0.0562087 | 0.19092365 | 2.9869610 | 20 | 9 24.5 | 19.4 |
| 95447 2002 $CY_{255}$ | 15.4 | X | 102.20592 | 119.38714 | 310.61927 | 11.28307 | 0.0997111 | 0.21941402 | 2.7224493 | 20 | 3 1.1 | 19.3 |
| 95448 2002 $CY_{256}$ | 15.4 | X | 201.43974 | 237.12082 | 93.08260 | 7.33086 | 0.0680000 | 0.21946572 | 2.7220218 | 20 | 2 21.4 | 19.5 |
| 95449 2002 $CJ_{261}$ | 15.5 | X | 145.12131 | 241.51798 | 137.33410 | 11.88145 | 0.0981791 | 0.21790025 | 2.7350434 | 20 | 2 21.2 | 19.4 |
| 95450 2002 $CP_{272}$ | 15.7 | X | 337.53483 | 323.69352 | 99.18818 | 9.64182 | 0.2056503 | 0.25572005 | 2.4582509 | 20 | — | — |
| 95451 2002 $CV_{277}$ | 15.3 | X | 92.23895 | 47.12949 | 203.57659 | 1.22243 | 0.1304177 | 0.18914330 | 3.0056754 | 20 | 10 13.9 | 19.8 |
| 95452 2002 $CO_{280}$ | 15.0 | X | 309.13878 | 296.62756 | 278.68983 | 11.21860 | 0.0882798 | 0.21341341 | 2.7732451 | 20 | 1 26.6 | 18.8 |
| 95453 2002 $CK_{284}$ | 15.8 | X | 156.83205 | 100.00381 | 227.50359 | 1.29690 | 0.0953969 | 0.21001025 | 2.8031245 | 20 | 1 2.4 | 19.8 |
| 95454 2002 $CE_{289}$ | 15.1 | X | 339.54611 | 263.66066 | 8.59965 | 12.51736 | 0.1704315 | 0.23226845 | 2.6210536 | 20 | 5 16.3 | 17.9 |
| 95455 2002 $CY_{295}$ | 14.1 | X | 342.73653 | 342.08954 | 258.82664 | 16.15671 | 0.1181792 | 0.17094823 | 3.2153357 | 20 | 4 15.3 | 18.4 |
| 95456 2002 $CC_{301}$ | 14.8 | X | 347.48488 | 162.03372 | 166.99442 | 9.95022 | 0.0949275 | 0.18476591 | 3.0529626 | 20 | 8 25.6 | 18.6 |
| 95457 2002 $CD_{303}$ | 13.7 | X | 94.54313 | 209.76199 | 43.64654 | 15.69038 | 0.1674099 | 0.18244595 | 3.0787888 | 20 | 10 24.5 | 18.5 |
| 95458 2002 $CD_{307}$ | 15.7 | X | 346.77772 | 177.51754 | 62.85423 | 4.20606 | 0.0942629 | 0.22883264 | 2.6472243 | 20 | 4 25.4 | 18.6 |
| 95459 2002 $CF_{307}$ | 15.9 | X | 65.79219 | 275.57258 | 95.91434 | 7.06680 | 0.1374206 | 0.26220945 | 2.4175223 | 20 | — | — |
| 95460 2002 $DR$ | 15.9 | X | 162.74022 | 233.48400 | 139.58403 | 2.91613 | 0.2346555 | 0.27799925 | 2.3250929 | 20 | 3 7.4 | 19.6 |
| 95461 2002 $DZ_{2}$ | 14.1 | X | 87.00019 | 184.46676 | 352.38874 | 22.28090 | 0.0852704 | 0.17927310 | 3.1150090 | 20 | 7 5.2 | 19.0 |
| 95462 2002 $DK_{5}$ | 15.0 | X | 63.42045 | 30.93420 | 166.52363 | 14.48271 | 0.0561930 | 0.23417428 | 2.6068133 | 20 | 6 24.2 | 18.7 |
| 95463 2002 $DS_{5}$ | 15.1 | X | 89.42319 | 220.22174 | 216.75857 | 7.48815 | 0.1568442 | 0.21231857 | 2.7827705 | 20 | 3 3.7 | 18.8 |
| 95464 2002 $DY_{7}$ | 15.2 | X | 122.37619 | 142.51691 | 22.07134 | 13.39261 | 0.1729212 | 0.23653684 | 2.5894261 | 20 | 8 12.5 | 19.5 |
| 95465 2002 $DR_{8}$ | 14.2 | X | 10.68499 | 250.38849 | 356.30317 | 25.95877 | 0.1643816 | 0.17762701 | 3.1342241 | 20 | 6 15.1 | 18.4 |
| 95466 2002 $DB_{10}$ | 14.1 | X | 311.08763 | 221.74482 | 56.87322 | 15.32317 | 0.2555472 | 0.17455245 | 3.1709209 | 20 | 4 6.8 | 18.4 |
| 95467 2002 $DP_{10}$ | 15.9 | X | 190.54081 | 253.02393 | 170.51906 | 4.26708 | 0.0625286 | 0.23098820 | 2.6307294 | 20 | 6 4.8 | 19.7 |
| 95468 2002 $DT_{10}$ | 14.8 | X | 220.32340 | 10.97257 | 19.05993 | 25.82453 | 0.1779975 | 0.28641794 | 2.2793057 | 20 | 5 7.3 | 18.7 |
| 95469 2002 $DS_{18}$ | 15.1 | X | 331.80242 | 34.81226 | 74.04859 | 7.04162 | 0.0120347 | 0.20398541 | 2.8580510 | 20 | — | — |
| 95470 2002 $DW_{18}$ | 15.5 | X | 294.73345 | 193.18217 | 156.60177 | 13.35751 | 0.1892578 | 0.23607669 | 2.5927898 | 20 | 6 20.2 | 18.8 |
| 95471 2002 $EE$ | 15.2 | X | 164.00981 | 24.43631 | 292.50379 | 5.43844 | 0.1033026 | 0.21100207 | 2.7943335 | 20 | — | — |
| 95472 2002 $EG_{1}$ | 15.3 | X | 258.07720 | 239.17948 | 124.98050 | 13.15266 | 0.1898850 | 0.22965292 | 2.6409169 | 20 | 5 25.1 | 19.4 |
| 95473 2002 $EX_{2}$ | 14.8 | X | 215.74423 | 35.64084 | 91.25892 | 17.75788 | 0.1947246 | 0.24393537 | 2.5367998 | 20 | 9 23.3 | 19.1 |
| 95474 Andreajbarbieri | 16.2 | X | 224.24296 | 23.28503 | 350.26291 | 3.38046 | 0.1778769 | 0.22844458 | 2.6502213 | 20 | 4 29.4 | 20.6 |
| 95475 2002 $EB_{5}$ | 14.8 | X | 5.11989 | 318.37553 | 353.31235 | 9.98078 | 0.0808615 | 0.18355212 | 3.0664069 | 20 | 9 1.4 | 18.6 |
| 95476 2002 $EY_{7}$ | 16.1 | X | 41.24472 | 313.31451 | 167.63060 | 15.80862 | 0.1087071 | 0.21875278 | 2.7279327 | 20 | 2 10.3 | 19.5 |
| 95477 2002 $ED_{11}$ | 14.3 | X | 67.57283 | 9.91104 | 188.85285 | 14.76775 | 0.1056286 | 0.17457553 | 3.1706415 | 20 | 7 4.9 | 18.9 |
| 95478 2002 $EK_{12}$ | 14.2 | X | 49.79955 | 242.40986 | 9.34470 | 17.35970 | 0.1739561 | 0.17727564 | 3.1383642 | 20 | 9 5.8 | 18.5 |
| 95479 2002 $ET_{13}$ | 15.1 | X | 328.66629 | 300.57245 | 218.09537 | 8.40039 | 0.0980941 | 0.21125114 | 2.7921367 | 20 | — | — |
| 95480 2002 $ER_{15}$ | 15.8 | X | 238.07350 | 162.77290 | 292.73237 | 6.17056 | 0.2043520 | 0.24440867 | 2.5335237 | 20 | 8 24.4 | 19.5 |
| 95481 2002 $EG_{16}$ | 15.4 | X | 25.85477 | 203.05298 | 285.95293 | 7.81792 | 0.0956287 | 0.21567077 | 2.7538600 | 20 | 1 27.7 | 18.6 |
| 95482 2002 $EB_{19}$ | 14.3 | X | 29.44874 | 327.27721 | 297.86906 | 9.59748 | 0.1397099 | 0.17914959 | 3.1164405 | 20 | 8 10.8 | 18.1 |
| 95483 2002 $EE_{19}$ | 14.3 | X | 43.55035 | 320.65427 | 263.31261 | 11.45381 | 0.2347732 | 0.17519237 | 3.1631947 | 20 | 7 22.4 | 18.3 |
| 95484 2002 $EF_{22}$ | 15.2 | X | 197.07127 | 196.93951 | 117.90614 | 5.68226 | 0.0525880 | 0.21305942 | 2.7763159 | 20 | 1 27.2 | 19.2 |
| 95485 2002 $ES_{22}$ | 15.2 | X | 20.28770 | 301.78825 | 135.14006 | 13.58642 | 0.0577628 | 0.20662116 | 2.8336934 | 20 | — | — |
| 95486 2002 $ED_{23}$ | 15.4 | X | 194.24898 | 337.17312 | 348.10812 | 5.23482 | 0.0726905 | 0.21572581 | 2.7533915 | 20 | 2 6.9 | 19.5 |
| 95487 2002 $ER_{24}$ | 15.4 | X | 15.55085 | 299.70072 | 2.65495 | 2.10148 | 0.1562301 | 0.18190041 | 3.0849415 | 20 | 9 11.5 | 18.9 |
| 95488 2002 $EV_{25}$ | 15.1 | X | 247.74461 | 339.39809 | 174.25317 | 1.97173 | 0.0311241 | 0.19740713 | 2.9211968 | 20 | 12 7.7 | 19.0 |
| 95489 2002 $EK_{29}$ | 15.7 | X | 80.69781 | 115.82685 | 353.64179 | 7.78214 | 0.1168511 | 0.22039839 | 2.7143370 | 20 | 3 28.6 | 19.2 |
| 95490 2002 $EX_{29}$ | 14.6 | X | 331.34489 | 304.08936 | 21.30524 | 8.05814 | 0.1359296 | 0.17912796 | 3.1166913 | 20 | 7 25.5 | 18.4 |
| 95491 2002 $EK_{30}$ | 14.8 | X | 265.28109 | 173.59564 | 53.33303 | 4.59818 | 0.0351058 | 0.20881126 | 2.8138446 | 20 | — | — |
| 95492 2002 $EQ_{30}$ | 15.6 | X | 50.56520 | 330.56191 | 175.45506 | 9.13980 | 0.0955695 | 0.21972103 | 2.7199127 | 20 | 4 1.1 | 18.7 |
| 95493 2002 $ES_{30}$ | 15.0 | X | 137.76141 | 117.39066 | 10.60504 | 15.24721 | 0.0574002 | 0.22985604 | 2.6393608 | 20 | 6 27.9 | 19.1 |
| 95494 2002 $ES_{31}$ | 14.4 | X | 153.85835 | 223.68102 | 335.13103 | 8.06493 | 0.0866400 | 0.18774933 | 3.0205344 | 20 | 10 7.9 | 19.2 |
| 95495 2002 $EK_{32}$ | 15.0 | X | 48.29915 | 249.00770 | 60.13361 | 3.03911 | 0.0532688 | 0.19184655 | 2.9773740 | 20 | 10 25.6 | 19.1 |
| 95496 2002 $ET_{34}$ | 15.3 | X | 105.12892 | 263.48598 | 150.23587 | 9.78531 | 0.1807199 | 0.21740112 | 2.7392281 | 20 | 2 29.4 | 19.1 |
| 95497 2002 $EB_{35}$ | 14.9 | X | 307.29263 | 170.50571 | 160.32917 | 16.72520 | 0.0963412 | 0.17728454 | 3.1382591 | 20 | 6 25.6 | 19.3 |
| 95498 2002 $EG_{35}$ | 14.3 | X | 19.60221 | 134.57914 | 137.17865 | 17.22483 | 0.0941020 | 0.17881262 | 3.1203545 | 20 | 7 31.1 | 18.2 |
| 95499 2002 $ED_{38}$ | 15.1 | X | 278.68069 | 97.37510 | 330.42653 | 1.28609 | 0.0766550 | 0.18976529 | 2.9991040 | 20 | 9 22.9 | 19.1 |
| 95500 2002 $EJ_{41}$ | 15.5 | X | 9.09353 | 286.57105 | 211.49623 | 5.07787 | 0.1965182 | 0.21333663 | 2.7739104 | 20 | 1 5.6 | 18.3 |
| 95501 2002 $EK_{41}$ | 14.5 | X | 63.33194 | 81.21711 | 185.60074 | 7.30573 | 0.0471797 | 0.18290598 | 3.0736243 | 20 | 9 17.9 | 18.9 |
| 95502 2002 $EA_{43}$ | 15.3 | X | 47.55163 | 140.22967 | 308.96999 | 3.36241 | 0.0297487 | 0.21114745 | 2.7930508 | 20 | 1 8.9 | 19.0 |
| 95503 2002 $EE_{43}$ | 14.4 | X | 300.69361 | 134.06380 | 182.25376 | 4.69971 | 0.1566144 | 0.17195321 | 3.2027953 | 20 | 5 19.5 | 18.7 |
| 95504 2002 $EC_{45}$ | 15.6 | X | 184.89139 | 77.11736 | 301.62978 | 4.62840 | 0.0478464 | 0.22154296 | 2.7049801 | 20 | 3 29.1 | 19.6 |
| 95505 2002 $EM_{45}$ | 14.8 | X | 328.78502 | 268.80240 | 20.52034 | 9.01525 | 0.0620639 | 0.17552002 | 3.1592569 | 20 | 6 4.2 | 19.1 |
| 95506 2002 $EH_{48}$ | 15.9 | X | 216.44806 | 189.83465 | 329.49046 | 2.33440 | 0.0244265 | 0.19308202 | 2.9646596 | 20 | 11 5.3 | 20.2 |
| 95507 2002 $EO_{48}$ | 14.9 | X | 353.29811 | 111.22575 | 186.42323 | 5.01646 | 0.1929734 | 0.17681745 | 3.1437835 | 20 | 7 23.6 | 18.2 |
| 95508 2002 $EU_{49}$ | 15.7 | X | 40.72682 | 203.13266 | 184.84857 | 0.57915 | 0.0493571 | 0.20252100 | 2.8718120 | 20 | — | — |
| 95509 2002 $ER_{50}$ | 15.2 | X | 281.55804 | 268.56067 | 174.64294 | 1.53803 | 0.0659843 | 0.19232833 | 2.9723997 | 20 | 10 19.2 | 18.9 |
| 95510 2002 $EL_{51}$ | 15.8 | X | 143.20930 | 247.62591 | 145.65685 | 2.39371 | 0.0867693 | 0.21910241 | 2.7250300 | 20 | 3 6.1 | 19.7 |
| 95511 2002 $EB_{52}$ | 15.4 | X | 56.96193 | 271.12243 | 147.52934 | 6.79544 | 0.0703518 | 0.20984821 | 2.8045673 | 20 | — | — |
| 95512 2002 $EH_{52}$ | 14.7 | X | 191.78671 | 19.19975 | 354.46252 | 21.79966 | 0.0929115 | 0.22310341 | 2.6923524 | 20 | 3 28.3 | 18.9 |
| 95513 2002 $ER_{52}$ | 15.6 | X | 170.65642 | 200.55576 | 153.91020 | 5.62325 | 0.0671827 | 0.21615427 | 2.7497519 | 20 | 2 15.4 | 19.6 |
| 95514 2002 $EZ_{54}$ | 15.3 | X | 173.54747 | 31.21627 | 359.78243 | 12.86171 | 0.1536824 | 0.22236447 | 2.6983138 | 20 | 4 4.4 | 19.7 |
| 95515 2002 $EW_{56}$ | 15.5 | X | 65.30776 | 129.42983 | 232.92880 | 1.10941 | 0.0853909 | 0.20329572 | 2.8645114 | 20 | — | — |
| 95516 2002 $EA_{57}$ | 15.4 | X | 199.71699 | 145.62002 | 185.08615 | 5.38409 | 0.0718284 | 0.21769688 | 2.7367466 | 20 | 2 16.5 | 19.5 |
| 95517 2002 $EO_{60}$ | 15.9 | X | 66.11881 | 165.14483 | 255.71534 | 2.29630 | 0.0571079 | 0.21141265 | 2.7907144 | 20 | — | — |
| 95518 2002 $EF_{61}$ | 14.4 | X | 289.66036 | 139.64291 | 172.17504 | 19.33550 | 0.1488568 | 0.17232525 | 3.1981839 | 20 | 5 2.7 | 19.1 |
| 95519 2002 $EB_{63}$ | 15.9 | X | 187.49029 | 41.24828 | 351.17491 | 11.14375 | 0.0734445 | 0.22468065 | 2.6797376 | 20 | 4 16.9 | 20.0 |
| 95520 2002 $ED_{67}$ | 15.0 | X | 73.87754 | 78.72734 | 338.56915 | 5.48808 | 0.0667794 | 0.21047137 | 2.7990288 | 20 | 1 8.4 | 18.6 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95521 2002 $ER_{68}$ | 15.4 | X | 77.24476 | 59.89348 | 328.70693 | 1.17390 | 0.0832368 | 0.20599044 | 2.8394747 | 20 | — | — |
| 95522 2002 $EQ_{69}$ | 16.0 | X | 47.38762 | 243.66931 | 237.55385 | 1.79632 | 0.0688528 | 0.21568874 | 2.7537070 | 20 | 2 19.1 | 19.5 |
| 95523 2002 $EK_{70}$ | 15.3 | X | 125.87108 | 345.87896 | 173.12208 | 3.62267 | 0.0958586 | 0.17842995 | 3.1248143 | 20 | 7 23.6 | 20.0 |
| 95524 2002 $EN_{70}$ | 15.3 | X | 134.74816 | 216.64713 | 188.99587 | 5.86138 | 0.0324833 | 0.21678304 | 2.7444322 | 20 | 3 4.1 | 19.0 |
| 95525 2002 $EZ_{70}$ | 15.2 | X | 277.79996 | 82.23303 | 192.53694 | 9.09627 | 0.0248862 | 0.21764702 | 2.7371645 | 20 | 3 11.6 | 19.1 |
| 95526 2002 $EA_{72}$ | 14.9 | X | 357.56761 | 109.34839 | 190.57079 | 4.76368 | 0.1465014 | 0.17728004 | 3.1383123 | 20 | 8 3.1 | 18.5 |
| 95527 2002 $EN_{73}$ | 15.0 | X | 226.38314 | 185.18069 | 314.90909 | 1.13200 | 0.0705748 | 0.19069611 | 2.9893367 | 20 | 10 18.5 | 19.1 |
| 95528 2002 $EX_{73}$ | 15.2 | X | 236.73697 | 37.97636 | 0.81787 | 9.49998 | 0.0795669 | 0.22990548 | 2.6389825 | 20 | 6 25.4 | 19.1 |
| 95529 2002 $EZ_{73}$ | 15.2 | X | 186.07100 | 307.73074 | 209.81282 | 1.97924 | 0.0928161 | 0.18686651 | 3.0300402 | 20 | 9 23.1 | 19.8 |
| 95530 2002 $EF_{75}$ | 14.6 | X | 246.48206 | 80.02252 | 192.81602 | 2.55636 | 0.0991342 | 0.15645599 | 3.4109440 | 20 | 2 2.0 | 19.7 |
| 95531 2002 $EN_{75}$ | 16.3 | X | 165.60886 | 224.22236 | 192.36268 | 7.18596 | 0.2049275 | 0.28426065 | 2.2908231 | 20 | 5 2.5 | 19.9 |
| 95532 2002 $EA_{76}$ | 14.4 | X | 305.94140 | 63.61647 | 250.46369 | 8.10013 | 0.0892371 | 0.17472715 | 3.1688070 | 20 | 6 1.9 | 18.4 |
| 95533 2002 $EB_{76}$ | 16.1 | X | 354.48591 | 344.14656 | 207.14230 | 2.83589 | 0.1271968 | 0.21726799 | 2.7403470 | 20 | 2 26.4 | 19.2 |
| 95534 2002 $EL_{78}$ | 14.5 | X | 107.05834 | 213.89860 | 195.89918 | 13.45870 | 0.1920834 | 0.21231140 | 2.7828332 | 20 | 2 25.2 | 18.6 |
| 95535 2002 $EK_{82}$ | 14.9 | X | 55.36155 | 38.85107 | 202.64221 | 8.82745 | 0.0356319 | 0.17985444 | 3.1082930 | 20 | 8 1.9 | 19.3 |
| 95536 2002 $EB_{83}$ | 15.8 | X | 130.42417 | 147.74476 | 247.22849 | 1.19212 | 0.1339488 | 0.21608908 | 2.7503049 | 20 | 2 27.6 | 19.9 |
| 95537 2002 $EV_{83}$ | 15.0 | X | 47.43994 | 75.10920 | 164.90623 | 16.15677 | 0.0183972 | 0.17864941 | 3.1222547 | 20 | 7 19.4 | 19.6 |
| 95538 2002 $EC_{84}$ | 15.0 | X | 7.71459 | 125.96173 | 158.45915 | 5.46317 | 0.1370099 | 0.17949271 | 3.1124676 | 20 | 7 31.7 | 18.6 |
| 95539 2002 $EH_{84}$ | 15.9 | X | 258.85201 | 226.61823 | 166.12117 | 7.64185 | 0.1021561 | 0.23571608 | 2.5954335 | 20 | 7 11.2 | 19.4 |
| 95540 2002 $EC_{86}$ | 15.1 | X | 70.16486 | 247.60054 | 62.91697 | 1.90143 | 0.0349466 | 0.19143396 | 2.9816504 | 20 | 11 19.8 | 19.2 |
| 95541 2002 $EK_{86}$ | 15.3 | X | 127.69227 | 184.02111 | 55.35969 | 2.22879 | 0.1267903 | 0.18793802 | 3.0185123 | 20 | 11 3.9 | 20.1 |
| 95542 2002 $EU_{86}$ | 13.9 | X | 347.06101 | 272.33949 | 14.35451 | 21.82789 | 0.0624862 | 0.17376397 | 3.1805060 | 20 | 6 30.8 | 18.5 |
| 95543 2002 $ED_{87}$ | 14.2 | X | 78.21942 | 248.90647 | 25.94744 | 17.38058 | 0.1260578 | 0.18434330 | 3.0576268 | 20 | 10 25.6 | 18.8 |
| 95544 2002 $EG_{87}$ | 16.0 | X | 138.84018 | 327.84183 | 145.27511 | 2.89006 | 0.1005455 | 0.22907792 | 2.6453343 | 20 | 6 12.2 | 19.8 |
| 95545 2002 $EA_{88}$ | 14.9 | X | 236.11914 | 97.50777 | 108.29267 | 3.19879 | 0.0618979 | 0.20049542 | 2.8911220 | 20 | — | — |
| 95546 2002 $EE_{88}$ | 15.2 | X | 24.40406 | 6.87335 | 68.69707 | 3.05161 | 0.0545783 | 0.20420300 | 2.8560204 | 20 | — | — |
| 95547 2002 $EK_{88}$ | 15.3 | X | 129.46344 | 36.77813 | 50.60302 | 4.82818 | 0.0755460 | 0.22235235 | 2.6984118 | 20 | 4 26.7 | 19.1 |
| 95548 2002 $EX_{88}$ | 16.1 | X | 132.15122 | 49.88221 | 78.50707 | 2.15387 | 0.0514370 | 0.22946009 | 2.6423963 | 20 | 6 20.2 | 19.5 |
| 95549 2002 $EK_{89}$ | 14.4 | X | 8.14798 | 49.36626 | 218.10226 | 5.12510 | 0.1414907 | 0.17801162 | 3.1297080 | 20 | 7 8.9 | 18.1 |
| 95550 2002 $ET_{89}$ | 14.4 | X | 15.54576 | 24.26655 | 183.90069 | 17.40272 | 0.1029087 | 0.17032904 | 3.2231233 | 20 | 5 4.0 | 18.6 |
| 95551 2002 $EB_{93}$ | 15.1 | X | 16.75841 | 256.68680 | 47.40315 | 2.14829 | 0.1095160 | 0.18602351 | 3.0391875 | 20 | 9 11.8 | 18.8 |
| 95552 2002 $EU_{93}$ | 15.5 | X | 208.19932 | 182.49433 | 146.46840 | 6.09139 | 0.0759534 | 0.21827745 | 2.7318916 | 20 | 2 24.9 | 19.5 |
| 95553 2002 $EU_{94}$ | 15.7 | X | 138.92249 | 358.08812 | 18.31335 | 5.24381 | 0.0752770 | 0.21540902 | 2.7560904 | 20 | 2 10.1 | 19.7 |
| 95554 2002 $EZ_{94}$ | 14.9 | X | 37.44297 | 162.70604 | 145.99413 | 7.32948 | 0.1037179 | 0.18803550 | 3.0174690 | 20 | 10 19.4 | 19.0 |
| 95555 2002 $EZ_{96}$ | 14.6 | X | 359.08904 | 40.56110 | 309.95650 | 7.84167 | 0.0603671 | 0.18939940 | 3.0029654 | 20 | 10 6.8 | 18.7 |
| 95556 2002 $EA_{97}$ | 14.7 | X | 133.43929 | 356.27839 | 216.69165 | 9.53811 | 0.0520206 | 0.18849371 | 3.0125769 | 20 | 10 4.0 | 19.2 |
| 95557 2002 $EB_{97}$ | 14.6 | X | 70.21012 | 236.84358 | 227.62097 | 8.08946 | 0.0207570 | 0.21721363 | 2.7408041 | 20 | 2 21.5 | 18.4 |
| 95558 2002 $EF_{97}$ | 14.1 | X | 56.57906 | 235.86074 | 30.64284 | 27.20816 | 0.1629855 | 0.17873940 | 3.1212066 | 20 | 10 5.2 | 18.7 |
| 95559 2002 $EK_{98}$ | 15.1 | X | 175.35966 | 335.58170 | 36.51035 | 7.23971 | 0.0305758 | 0.21760168 | 2.7375447 | 20 | 3 14.7 | 18.9 |
| 95560 2002 $EX_{98}$ | 14.2 | X | 92.87590 | 209.16968 | 320.40776 | 22.49743 | 0.1168791 | 0.22817327 | 2.6523217 | 20 | 7 10.3 | 18.2 |
| 95561 2002 $EV_{100}$ | 14.8 | X | 215.75117 | 121.04753 | 20.49496 | 10.01634 | 0.0165032 | 0.19195601 | 2.9762420 | 20 | 10 15.0 | 19.0 |
| 95562 2002 $ES_{101}$ | 14.7 | X | 250.36119 | 268.18783 | 60.62607 | 10.42207 | 0.2158319 | 0.22394927 | 2.6855688 | 20 | 4 1.6 | 19.1 |
| 95563 2002 $EU_{101}$ | 14.3 | X | 319.11188 | 261.70873 | 27.71228 | 15.25808 | 0.1711129 | 0.17305540 | 3.1891818 | 20 | 5 6.2 | 18.3 |
| 95564 2002 $EL_{102}$ | 15.1 | X | 307.30482 | 305.65741 | 281.53990 | 10.02217 | 0.0726317 | 0.21611654 | 2.7500719 | 20 | 2 9.1 | 19.0 |
| 95565 2002 $EL_{106}$ | 14.4 | X | 104.64344 | 178.28515 | 41.49957 | 9.69610 | 0.1104137 | 0.18418359 | 3.0593941 | 20 | 9 21.0 | 19.1 |
| 95566 2002 $EC_{108}$ | 14.7 | X | 240.01550 | 105.60575 | 305.36254 | 9.50659 | 0.0240124 | 0.18066290 | 3.0990130 | 20 | 7 20.5 | 18.9 |
| 95567 2002 $EN_{108}$ | 15.3 | X | 336.06084 | 156.03500 | 121.01436 | 2.35842 | 0.1244646 | 0.17458946 | 3.1704728 | 20 | 5 26.9 | 19.1 |
| 95568 2002 $EZ_{108}$ | 15.4 | X | 331.55377 | 312.23485 | 3.50378 | 1.64546 | 0.0491789 | 0.17870477 | 3.1216098 | 20 | 7 16.1 | 19.5 |
| 95569 2002 $EC_{114}$ | 12.7 | X | 310.65052 | 305.80037 | 89.58430 | 2.16161 | 0.0538874 | 0.08076316 | 5.3006264 | 20 | 9 13.9 | 19.5 |
| 95570 2002 $ED_{115}$ | 14.8 | X | 111.55912 | 24.23287 | 144.06238 | 10.24988 | 0.0688578 | 0.17665106 | 3.1457574 | 20 | 7 16.5 | 19.5 |
| 95571 2002 $EC_{125}$ | 15.1 | X | 333.88663 | 142.54133 | 165.67650 | 11.01946 | 0.0719967 | 0.17865807 | 3.1221538 | 20 | 7 7.0 | 19.3 |
| 95572 2002 $EJ_{130}$ | 14.3 | X | 32.85016 | 58.12405 | 205.62752 | 16.13230 | 0.1820765 | 0.18008206 | 3.1056732 | 20 | 8 17.4 | 18.5 |
| 95573 2002 $EW_{130}$ | 15.9 | X | 191.44293 | 235.06726 | 175.49852 | 1.98067 | 0.0938643 | 0.22942266 | 2.6426836 | 20 | 5 18.9 | 19.9 |
| 95574 2002 $EQ_{139}$ | 15.6 | X | 224.29536 | 279.37031 | 70.78015 | 3.79225 | 0.1004566 | 0.22515348 | 2.6759846 | 20 | 4 7.9 | 19.6 |
| 95575 2002 $ER_{140}$ | 15.0 | X | 29.98885 | 287.63892 | 35.37334 | 2.36114 | 0.0815237 | 0.19037140 | 2.9927349 | 20 | 10 22.1 | 18.9 |
| 95576 2002 $EQ_{142}$ | 15.3 | X | 357.08504 | 317.40992 | 61.19372 | 3.08931 | 0.0939730 | 0.19445933 | 2.9506443 | 20 | 11 17.0 | 18.7 |
| 95577 2002 $EJ_{146}$ | 14.3 | X | 273.44854 | 15.78104 | 314.70257 | 13.47981 | 0.1720837 | 0.22915636 | 2.6447306 | 20 | 4 20.4 | 18.5 |
| 95578 2002 $EX_{146}$ | 16.0 | X | 48.52906 | 172.81960 | 270.72002 | 5.06193 | 0.1913685 | 0.26807905 | 2.3821044 | 20 | — | — |
| 95579 2002 $EB_{148}$ | 15.5 | X | 119.05702 | 168.94290 | 23.96329 | 1.95966 | 0.0663091 | 0.18272760 | 3.0756243 | 20 | 8 26.7 | 20.1 |
| 95580 2002 $EA_{153}$ | 14.4 | X | 127.64984 | 0.84693 | 248.15309 | 9.07914 | 0.0553570 | 0.19371768 | 2.9581705 | 20 | 11 12.4 | 18.8 |
| 95581 2002 $EH_{153}$ | 14.5 | X | 89.59194 | 301.46094 | 218.61725 | 10.29112 | 0.0151558 | 0.17431695 | 3.1737762 | 20 | 6 2.5 | 19.0 |
| 95582 2002 $EJ_{153}$ | 14.6 | X | 49.51736 | 40.58469 | 215.53722 | 15.68281 | 0.1687386 | 0.17777185 | 3.1325215 | 20 | 8 29.7 | 19.0 |
| 95583 2002 $ES_{155}$ | 15.5 | X | 216.05859 | 253.17169 | 121.41921 | 6.94535 | 0.0492583 | 0.22505805 | 2.6767410 | 20 | 5 4.5 | 19.4 |
| 95584 2002 $FK_{2}$ | 15.2 | X | 356.98981 | 132.59824 | 20.57824 | 4.18665 | 0.0419602 | 0.21063380 | 2.7975896 | 20 | 1 22.1 | 18.8 |
| 95585 2002 $FV_{3}$ | 14.2 | X | 156.01551 | 152.01588 | 60.95420 | 9.83622 | 0.0511409 | 0.19077476 | 2.9885149 | 20 | 11 1.8 | 18.6 |
| 95586 2002 $FN_{8}$ | 14.7 | X | 65.00638 | 301.24872 | 311.17706 | 5.73290 | 0.1608083 | 0.18138003 | 3.0908391 | 20 | 9 16.3 | 19.2 |
| 95587 2002 $FB_{9}$ | 15.2 | X | 310.48623 | 10.64834 | 200.85191 | 9.02294 | 0.0804887 | 0.21350761 | 2.7724293 | 20 | 1 24.5 | 19.1 |
| 95588 2002 $FF_{9}$ | 14.6 | X | 313.81031 | 198.80985 | 208.41803 | 10.71899 | 0.1282899 | 0.19149255 | 2.9810423 | 20 | 10 13.9 | 18.1 |
| 95589 2002 $FN_{9}$ | 14.5 | X | 23.03047 | 259.41177 | 334.25870 | 9.28997 | 0.0789803 | 0.17368420 | 3.1814799 | 20 | 6 14.1 | 18.7 |
| 95590 2002 $FQ_{9}$ | 14.6 | X | 282.82466 | 203.80543 | 199.56706 | 29.23761 | 0.1224034 | 0.23747394 | 2.5826095 | 20 | 8 21.8 | 18.3 |
| 95591 2002 $FX_{9}$ | 15.6 | X | 173.93027 | 298.31387 | 206.00339 | 12.72632 | 0.1107587 | 0.23799716 | 2.5788230 | 20 | 8 26.1 | 19.8 |
| 95592 2002 $FL_{10}$ | 14.7 | X | 174.90836 | 201.43375 | 319.75608 | 15.74366 | 0.0812609 | 0.18771409 | 3.0209124 | 20 | 9 11.2 | 19.5 |
| 95593 Azusienis | 14.5 | X | 37.37059 | 129.89224 | 178.97911 | 16.15335 | 0.1026610 | 0.18504355 | 3.0499081 | 20 | 10 18.2 | 18.6 |
| 95594 2002 $FS_{13}$ | 13.8 | X | 36.35739 | 253.42790 | 25.79643 | 15.90910 | 0.2593634 | 0.18175120 | 3.0866297 | 20 | 10 3.4 | 17.7 |
| 95595 2002 $FE_{15}$ | 13.9 | X | 38.94504 | 125.34276 | 126.51146 | 19.69199 | 0.2654462 | 0.17738207 | 3.1371087 | 20 | 9 1.7 | 17.9 |
| 95596 2002 $FL_{16}$ | 14.4 | X | 303.99657 | 137.58016 | 166.71243 | 21.61583 | 0.0790832 | 0.16906977 | 3.2391078 | 20 | 5 22.9 | 19.2 |
| 95597 2002 $FB_{21}$ | 15.1 | X | 106.64457 | 258.19639 | 164.88162 | 17.33087 | 0.1237993 | 0.21529362 | 2.7570752 | 20 | 3 5.7 | 18.8 |
| 95598 2002 $FK_{24}$ | 15.3 | X | 217.92068 | 27.20182 | 6.61956 | 25.78491 | 0.2475330 | 0.28993797 | 2.2608200 | 20 | 5 4.2 | 19.5 |
| 95599 2002 $FZ_{26}$ | 14.6 | X | 5.39573 | 265.38545 | 33.32228 | 9.70148 | 0.0804756 | 0.18353204 | 3.0666306 | 20 | 8 18.5 | 18.6 |
| 95600 2002 $FK_{27}$ | 14.8 | X | 355.45408 | 301.64746 | 51.00626 | 10.14969 | 0.0277116 | 0.18980856 | 2.9986482 | 20 | 10 10.5 | 18.9 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95601 2002 $FJ_{28}$ | 14.7 | X | 127.51896 | 145.74586 | 85.56544 | 10.90018 | 0.0598416 | 0.19179332 | 2.9779248 | 20 | 10 27.0 | 19.3 |
| 95602 2002 $FB_{29}$ | 14.1 | X | 12.31382 | 249.27047 | 22.32489 | 25.39718 | 0.1745780 | 0.17463096 | 3.1699705 | 20 | 8 8.2 | 18.3 |
| 95603 2002 $FT_{29}$ | 14.8 | X | 291.25704 | 238.50972 | 106.22360 | 11.63856 | 0.0616646 | 0.17793803 | 3.1305708 | 20 | 6 25.5 | 19.1 |
| 95604 2002 $FG_{30}$ | 15.1 | X | 295.67559 | 57.84606 | 42.66732 | 4.29678 | 0.0714236 | 0.19499271 | 2.9452611 | 20 | 11 29.1 | 18.8 |
| 95605 2002 $FL_{30}$ | 14.8 | X | 78.85751 | 117.34330 | 124.88697 | 10.68106 | 0.0429210 | 0.18142105 | 3.0903732 | 20 | 9 9.2 | 19.2 |
| 95606 2002 $FW_{30}$ | 14.4 | X | 19.86234 | 265.86083 | 104.31209 | 15.38024 | 0.1334571 | 0.19607035 | 2.9344594 | 20 | 12 15.9 | 18.3 |
| 95607 2002 $FZ_{31}$ | 14.6 | X | 102.74860 | 146.50171 | 149.37372 | 17.13453 | 0.1229239 | 0.19498650 | 2.9453237 | 20 | 12 18.8 | 19.5 |
| 95608 2002 $FL_{34}$ | 15.5 | X | 32.86975 | 313.23531 | 208.43150 | 2.04782 | 0.1299504 | 0.21810815 | 2.7333051 | 20 | 3 25.8 | 18.4 |
| 95609 2002 $FN_{34}$ | 15.1 | X | 254.60613 | 228.46372 | 189.84585 | 11.38058 | 0.1450872 | 0.23519484 | 2.5992668 | 20 | 8 1.1 | 18.8 |
| 95610 2002 $FQ_{34}$ | 15.4 | X | 30.28668 | 301.27844 | 191.58954 | 8.87275 | 0.1040933 | 0.21250725 | 2.7811231 | 20 | 2 8.4 | 18.8 |
| 95611 2002 $FS_{34}$ | 14.7 | X | 300.26670 | 300.81586 | 185.25890 | 5.18117 | 0.0960089 | 0.19817585 | 2.9136378 | 20 | — | — |
| 95612 2002 $FA_{35}$ | 15.0 | X | 66.36820 | 55.35797 | 196.84521 | 2.29698 | 0.0346231 | 0.18092651 | 3.0960020 | 20 | 9 1.1 | 19.2 |
| 95613 2002 $FG_{37}$ | 15.0 | X | 171.70572 | 262.32094 | 83.02112 | 6.91898 | 0.0551263 | 0.21587371 | 2.7521338 | 20 | 2 6.8 | 19.0 |
| 95614 2002 $FQ_{37}$ | 14.5 | X | 4.19605 | 306.37174 | 77.53023 | 11.14543 | 0.0986051 | 0.19586945 | 2.9364656 | 20 | 12 5.3 | 18.2 |
| 95615 2002 $FY_{38}$ | 14.5 | X | 111.44663 | 156.34242 | 103.83231 | 15.68350 | 0.1306015 | 0.19244441 | 2.9712043 | 20 | 11 18.5 | 19.4 |
| 95616 2002 $GJ_{7}$ | 15.4 | X | 189.54511 | 62.21524 | 67.29525 | 6.30625 | 0.2299329 | 0.23896617 | 2.5718468 | 20 | 8 24.3 | 19.8 |
| 95617 2002 $GP_{7}$ | 14.2 | X | 121.88094 | 21.93895 | 38.19335 | 12.89465 | 0.0510938 | 0.21569755 | 2.7536321 | 20 | 3 16.5 | 18.2 |
| 95618 2002 $GW_{7}$ | 14.3 | X | 299.22822 | 316.44684 | 36.57471 | 23.39804 | 0.0725087 | 0.17519741 | 3.1631340 | 20 | 7 20.6 | 19.0 |
| 95619 2002 $GZ_{7}$ | 14.7 | X | 83.62503 | 191.15086 | 52.30934 | 8.11082 | 0.0686254 | 0.18106236 | 3.0944533 | 20 | 9 21.0 | 19.2 |
| 95620 2002 $GC_{9}$ | 14.8 | X | 85.74868 | 286.51225 | 199.18162 | 29.94900 | 0.0691516 | 0.21947962 | 2.7219068 | 20 | 4 21.1 | 18.4 |
| 95621 2002 $GP_{14}$ | 14.7 | X | 260.34096 | 353.76906 | 359.58500 | 22.82045 | 0.0667944 | 0.22944074 | 2.6425448 | 20 | 5 16.8 | 18.9 |
| 95622 2002 $GU_{18}$ | 14.2 | X | 107.35938 | 31.72070 | 205.38966 | 9.20711 | 0.0450880 | 0.18422003 | 3.0589906 | 20 | 10 3.7 | 18.7 |
| 95623 2002 $GT_{23}$ | 15.7 | X | 198.01920 | 124.42807 | 8.67537 | 4.05686 | 0.1928654 | 0.23988313 | 2.5652886 | 20 | 9 5.4 | 19.8 |
| 95624 2002 $GP_{24}$ | 15.7 | X | 280.47316 | 200.84225 | 183.78897 | 12.32293 | 0.1920669 | 0.23627402 | 2.5913460 | 20 | 7 14.5 | 19.2 |
| 95625 2002 $GX_{32}$ | 7.4 | X | 21.07262 | 186.77956 | 28.18695 | 13.93874 | 0.3808246 | 0.00250995 | 53.6239780 | 20 | 6 11.9 | 23.0 |
| 95626 2002 $GZ_{32}$ | 6.9 | X | 2.37303 | 155.65959 | 107.31397 | 15.00292 | 0.2252494 | 0.00879265 | 23.2482019 | 20 | 6 18.9 | 19.4 |
| 95627 2002 $GK_{34}$ | 15.4 | X | 101.02839 | 342.08677 | 142.44691 | 12.07269 | 0.0835559 | 0.22565211 | 2.6720410 | 20 | 5 14.9 | 19.3 |
| 95628 2002 $GA_{35}$ | 14.2 | X | 318.49759 | 329.15682 | 31.07642 | 17.93013 | 0.2212700 | 0.17788874 | 3.1311491 | 20 | 8 17.1 | 18.0 |
| 95629 2002 $GM_{35}$ | 15.1 | X | 25.58613 | 159.56580 | 189.42664 | 12.15972 | 0.1419470 | 0.19020356 | 2.9944952 | 20 | 11 27.4 | 19.1 |
| 95630 2002 $GY_{35}$ | 15.2 | X | 346.66251 | 320.38449 | 8.80185 | 1.65033 | 0.0928712 | 0.18107614 | 3.0942962 | 20 | 8 25.4 | 19.0 |
| 95631 2002 $GR_{37}$ | 16.1 | X | 145.51997 | 126.46945 | 284.96753 | 0.63993 | 0.0763783 | 0.21956347 | 2.7212138 | 20 | 3 29.6 | 20.1 |
| 95632 2002 $GO_{42}$ | 15.2 | X | 68.95689 | 218.03337 | 126.85929 | 3.18649 | 0.0716330 | 0.19481805 | 2.9470212 | 20 | — | — |
| 95633 2002 $GX_{42}$ | 15.1 | X | 247.32412 | 78.96182 | 7.46204 | 9.78045 | 0.0646271 | 0.18528531 | 3.0472545 | 20 | 9 9.6 | 19.3 |
| 95634 2002 $GO_{48}$ | 14.9 | X | 172.40308 | 122.79220 | 318.91597 | 11.07404 | 0.0433605 | 0.22715819 | 2.6602173 | 20 | 6 5.8 | 18.9 |
| 95635 2002 $GC_{51}$ | 15.2 | X | 168.82919 | 121.55706 | 119.39259 | 2.80337 | 0.0314324 | 0.19410054 | 2.9542794 | 20 | 12 19.2 | 19.3 |
| 95636 2002 $GA_{55}$ | 14.8 | X | 219.98053 | 199.10380 | 238.28724 | 8.39890 | 0.0759311 | 0.18021130 | 3.1041882 | 20 | 7 21.2 | 19.5 |
| 95637 2002 $GQ_{55}$ | 15.6 | X | 70.09049 | 148.27682 | 329.09076 | 4.02839 | 0.0561613 | 0.21661641 | 2.7458395 | 20 | 3 15.9 | 19.1 |
| 95638 2002 $GP_{63}$ | 15.0 | X | 50.53205 | 161.98534 | 77.75493 | 2.21479 | 0.1223844 | 0.17447574 | 3.1718503 | 20 | 8 8.7 | 19.3 |
| 95639 2002 $GE_{67}$ | 15.7 | X | 181.16361 | 193.01057 | 38.65762 | 0.40988 | 0.0401685 | 0.19461332 | 2.9490877 | 20 | 12 21.4 | 19.9 |
| 95640 2002 $GC_{80}$ | 14.6 | X | 238.12503 | 241.32456 | 162.53551 | 9.46710 | 0.0569453 | 0.17618986 | 3.1512446 | 20 | 7 3.6 | 19.3 |
| 95641 2002 $GS_{81}$ | 14.7 | X | 220.71563 | 284.77963 | 167.23353 | 10.45263 | 0.0984768 | 0.18115779 | 3.0933665 | 20 | 8 7.9 | 19.5 |
| 95642 2002 $GV_{82}$ | 14.9 | X | 157.49280 | 319.39775 | 156.64705 | 9.73689 | 0.0330846 | 0.17398871 | 3.1777666 | 20 | 7 1.5 | 19.6 |
| 95643 2002 $GT_{83}$ | 14.8 | X | 31.16805 | 283.75191 | 73.52146 | 10.28547 | 0.0747664 | 0.19009187 | 2.9956681 | 20 | 12 4.2 | 18.9 |
| 95644 2002 $GC_{88}$ | 15.2 | X | 24.00358 | 305.08126 | 178.46543 | 9.24041 | 0.1110848 | 0.20945804 | 2.8080491 | 20 | 1 18.1 | 18.6 |
| 95645 2002 $GR_{88}$ | 14.7 | X | 73.06865 | 29.90848 | 193.83827 | 18.12817 | 0.0987591 | 0.17471516 | 3.1689520 | 20 | 8 9.6 | 19.4 |
| 95646 2002 $GX_{93}$ | 14.8 | X | 17.26900 | 286.54918 | 240.97092 | 8.16377 | 0.0844775 | 0.21555152 | 2.7548756 | 20 | 3 2.3 | 18.2 |
| 95647 2002 $GO_{95}$ | 13.9 | X | 230.00485 | 17.76921 | 14.20502 | 23.58503 | 0.1253483 | 0.17161677 | 3.2069799 | 20 | 5 26.4 | 19.2 |
| 95648 2002 $GX_{97}$ | 14.6 | X | 76.22759 | 16.75505 | 230.71712 | 7.51553 | 0.1517445 | 0.18295239 | 3.0731045 | 20 | 9 21.7 | 19.2 |
| 95649 2002 $GX_{98}$ | 14.5 | X | 245.43212 | 241.94394 | 204.10332 | 14.41192 | 0.0735625 | 0.18571446 | 3.0425583 | 20 | 8 30.3 | 19.0 |
| 95650 2002 $GA_{99}$ | 14.7 | X | 294.49155 | 219.19221 | 207.05227 | 9.01241 | 0.0662870 | 0.18975843 | 2.9991763 | 20 | 10 14.3 | 18.6 |
| 95651 2002 $GQ_{101}$ | 14.7 | X | 12.54110 | 246.17594 | 55.84536 | 5.70987 | 0.1250334 | 0.17752977 | 3.1353684 | 20 | 9 4.6 | 18.6 |
| 95652 2002 $GF_{102}$ | 14.4 | X | 163.82131 | 312.36727 | 185.02772 | 22.88552 | 0.0784453 | 0.17831241 | 3.1261874 | 20 | 8 2.5 | 19.5 |
| 95653 2002 $GM_{106}$ | 14.7 | X | 68.20494 | 286.54255 | 62.11638 | 12.79795 | 0.0686596 | 0.19522897 | 2.9428844 | 20 | — | — |
| 95654 2002 $GG_{107}$ | 15.3 | X | 142.38858 | 245.13980 | 129.53953 | 5.31654 | 0.0862573 | 0.21289429 | 2.7777514 | 20 | 2 11.9 | 19.2 |
| 95655 2002 $GL_{108}$ | 14.7 | X | 347.40176 | 154.02008 | 146.11219 | 11.64344 | 0.0725854 | 0.17595984 | 3.1539902 | 20 | 7 16.9 | 18.9 |
| 95656 2002 $GL_{109}$ | 14.8 | X | 350.73182 | 241.63571 | 147.90653 | 13.68284 | 0.0669407 | 0.18920050 | 3.0050696 | 20 | 11 21.9 | 18.9 |
| 95657 2002 $GX_{109}$ | 14.8 | X | 193.28870 | 279.87667 | 242.15079 | 8.90789 | 0.0599485 | 0.18723158 | 3.0261003 | 20 | 10 6.1 | 19.5 |
| 95658 2002 $GF_{115}$ | 14.9 | X | 301.67114 | 357.23436 | 53.12225 | 10.65908 | 0.0660593 | 0.18717541 | 3.0267056 | 20 | 10 8.5 | 18.9 |
| 95659 2002 $GF_{123}$ | 15.1 | X | 311.68911 | 212.14632 | 186.71426 | 11.12106 | 0.2590148 | 0.24183769 | 2.5514480 | 20 | 9 29.0 | 16.6 |
| 95660 2002 $GE_{125}$ | 15.4 | X | 101.41204 | 194.95433 | 222.12290 | 5.01495 | 0.0781207 | 0.21484971 | 2.7608716 | 20 | 2 11.8 | 19.1 |
| 95661 2002 $GX_{125}$ | 15.7 | X | 53.88069 | 253.48343 | 207.01605 | 4.23092 | 0.1361338 | 0.21442398 | 2.7645247 | 20 | 2 7.4 | 18.9 |
| 95662 2002 $GE_{132}$ | 15.3 | X | 207.77807 | 190.62526 | 204.47873 | 7.75363 | 0.1669881 | 0.22430698 | 2.6827129 | 20 | 5 13.9 | 19.6 |
| 95663 2002 $GB_{133}$ | 16.7 | X | 213.64235 | 97.47202 | 24.78003 | 4.33002 | 0.1925028 | 0.24082894 | 2.5585678 | 20 | 9 7.3 | 20.7 |
| 95664 2002 $GD_{136}$ | 14.8 | X | 201.33825 | 212.53212 | 344.91932 | 7.49164 | 0.1237624 | 0.19267182 | 2.9688659 | 20 | 11 22.4 | 19.5 |
| 95665 2002 $GO_{139}$ | 15.4 | X | 356.37532 | 191.70234 | 201.04559 | 10.13058 | 0.0551279 | 0.19158884 | 2.9800433 | 20 | 11 30.6 | 19.4 |
| 95666 2002 $GZ_{141}$ | 15.0 | X | 108.04584 | 47.18250 | 48.52739 | 7.78130 | 0.1240695 | 0.21785251 | 2.7354430 | 20 | 4 19.3 | 18.9 |
| 95667 2002 $GO_{146}$ | 15.7 | X | 24.04098 | 34.52889 | 106.89787 | 6.16631 | 0.0813855 | 0.21454817 | 2.7634578 | 20 | 2 13.1 | 18.9 |
| 95668 2002 $GT_{160}$ | 15.5 | X | 103.90247 | 306.13387 | 154.78358 | 8.90726 | 0.0806963 | 0.22070302 | 2.7118388 | 20 | 4 16.1 | 19.3 |
| 95669 2002 $GE_{161}$ | 14.0 | X | 333.77057 | 273.34053 | 57.14342 | 17.67889 | 0.1546892 | 0.17515265 | 3.1636729 | 20 | 8 8.1 | 18.0 |
| 95670 2002 $GR_{161}$ | 14.2 | X | 33.76332 | 209.47159 | 39.89132 | 17.97324 | 0.0903311 | 0.17873188 | 3.1212942 | 20 | 7 28.5 | 18.6 |
| 95671 2002 $GC_{163}$ | 15.0 | X | 83.51171 | 133.40254 | 180.89713 | 9.50934 | 0.0850718 | 0.19311503 | 2.9643217 | 20 | 12 16.2 | 19.6 |
| 95672 2002 $GX_{170}$ | 14.1 | X | 15.88069 | 311.55190 | 247.40207 | 8.07737 | 0.0907971 | 0.16805855 | 3.2520881 | 20 | 4 17.5 | 18.3 |
| 95673 2002 $GY_{170}$ | 14.5 | X | 195.30031 | 246.41665 | 223.30501 | 10.81742 | 0.0449952 | 0.18215574 | 3.0820580 | 20 | 8 3.6 | 19.2 |
| 95674 2002 $GW_{173}$ | 14.3 | X | 313.94723 | 286.33523 | 76.75652 | 7.73204 | 0.1473446 | 0.17651106 | 3.1474205 | 20 | 8 14.4 | 18.1 |
| 95675 2002 $GZ_{173}$ | 15.7 | X | 120.05788 | 290.03754 | 190.08614 | 12.91742 | 0.1538872 | 0.22382801 | 2.6865387 | 20 | 6 6.4 | 20.0 |
| 95676 2002 $GR_{174}$ | 14.2 | X | 150.93856 | 301.48683 | 154.81244 | 11.94488 | 0.0458346 | 0.17177708 | 3.2049843 | 20 | 6 2.1 | 19.1 |
| 95677 2002 $GJ_{177}$ | 16.1 | X | 104.16338 | 14.55074 | 70.65113 | 10.19802 | 0.2223957 | 0.27478950 | 2.3431637 | 20 | 4 14.4 | 19.3 |
| 95678 2002 $HM$ | 14.7 | X | 106.22094 | 193.19741 | 54.94161 | 10.31202 | 0.0266202 | 0.18621518 | 3.0371016 | 20 | 10 18.5 | 19.1 |
| 95679 2002 $HX$ | 13.8 | X | 353.58643 | 277.00466 | 358.60438 | 25.11235 | 0.2442780 | 0.17651303 | 3.1473970 | 20 | 6 24.3 | 17.5 |
| 95680 2002 $HU_{2}$ | 15.2 | X | 90.80144 | 323.34533 | 108.89968 | 5.73029 | 0.0505407 | 0.21292973 | 2.7774432 | 20 | 2 17.1 | 18.9 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95681 2002 $HP_9$ | 14.5 | X | 159.24283 | 82.13543 | 124.89644 | 11.80855 | 0.0452661 | 0.18882751 | 3.0090256 | 20 | 10 31.9 | 19.1 |
| 95682 2002 $HZ_{16}$ | 15.6 | X | 23.96457 | 290.74349 | 73.01018 | 2.11416 | 0.0476219 | 0.19159660 | 2.9799629 | 20 | 11 29.6 | 19.5 |
| 95683 2002 $JA$ | 15.5 | X | 340.15355 | 199.68054 | 207.84997 | 1.21076 | 0.1243189 | 0.19502658 | 2.9449201 | 20 | 11 30.1 | 18.8 |
| 95684 2002 $JN_{14}$ | 15.0 | X | 144.95908 | 303.70620 | 159.60258 | 15.35461 | 0.1325514 | 0.22317436 | 2.6917818 | 20 | 6 9.9 | 19.5 |
| 95685 2002 $JW_{20}$ | 14.6 | X | 27.24519 | 256.06425 | 18.67793 | 16.22638 | 0.0660437 | 0.17662177 | 3.1461051 | 20 | 8 20.8 | 19.0 |
| 95686 2002 $JZ_{21}$ | 14.3 | X | 293.56314 | 240.30073 | 117.51783 | 20.82092 | 0.0916140 | 0.17210491 | 3.2009130 | 20 | 7 11.2 | 18.5 |
| 95687 2002 $JK_{23}$ | 15.5 | X | 17.31683 | 293.96831 | 210.08334 | 8.60554 | 0.1697818 | 0.21200107 | 2.7855482 | 20 | 1 30.5 | 18.6 |
| 95688 2002 $JO_{25}$ | 14.3 | X | 73.96578 | 122.10027 | 59.27461 | 15.86581 | 0.0251554 | 0.16849987 | 3.2464072 | 20 | 6 9.2 | 19.0 |
| 95689 2002 $JG_{40}$ | 14.7 | X | 281.93935 | 168.23770 | 208.41432 | 21.49683 | 0.1015095 | 0.23215962 | 2.6218726 | 20 | 7 16.5 | 18.6 |
| 95690 2002 $JG_{44}$ | 14.6 | X | 96.46379 | 213.62579 | 7.24824 | 11.21359 | 0.0493952 | 0.17970069 | 3.1100656 | 20 | 9 4.7 | 19.1 |
| 95691 2002 $JK_{46}$ | 15.1 | X | 94.00413 | 135.19269 | 37.66808 | 1.18662 | 0.1222807 | 0.17266284 | 3.1940139 | 20 | 7 9.0 | 19.8 |
| 95692 2002 $JD_{62}$ | 14.6 | X | 200.44056 | 225.80718 | 200.02065 | 11.04418 | 0.1578144 | 0.22821563 | 2.6519935 | 20 | 6 14.3 | 19.0 |
| 95693 2002 $JA_{70}$ | 13.7 | X | 22.89527 | 203.22031 | 60.50674 | 18.33398 | 0.1433398 | 0.17293564 | 3.1906540 | 20 | 8 5.3 | 17.9 |
| 95694 2002 $JS_{70}$ | 15.2 | X | 173.49703 | 232.72784 | 211.80052 | 21.39241 | 0.0612802 | 0.22662255 | 2.6644074 | 20 | 6 10.9 | 19.4 |
| 95695 2002 $JV_{70}$ | 14.2 | X | 32.65126 | 187.49186 | 42.17961 | 12.78467 | 0.0099349 | 0.17051175 | 3.2208204 | 20 | 6 15.5 | 18.8 |
| 95696 2002 $JU_{75}$ | 14.3 | X | 184.54778 | 62.74909 | 11.90680 | 23.50690 | 0.3233223 | 0.28371484 | 2.2937602 | 20 | 6 3.2 | 19.0 |
| 95697 2002 $JQ_{77}$ | 14.8 | X | 292.85348 | 226.16950 | 207.70203 | 12.44036 | 0.2088721 | 0.19134831 | 2.9825402 | 20 | 10 2.6 | 18.3 |
| 95698 2002 $JM_{79}$ | 15.1 | X | 166.61586 | 226.31265 | 216.24919 | 12.07971 | 0.1346142 | 0.22582455 | 2.6706806 | 20 | 6 3.6 | 19.4 |
| 95699 2002 $JA_{84}$ | 14.8 | X | 295.14298 | 339.75655 | 26.40478 | 9.52738 | 0.0880845 | 0.17423178 | 3.1748105 | 20 | 7 28.0 | 19.2 |
| 95700 2002 $JP_{88}$ | 15.6 | X | 184.80047 | 173.85882 | 32.87533 | 9.56507 | 0.0341558 | 0.19031225 | 2.9933550 | 20 | 11 23.6 | 20.0 |
| 95701 2002 $JH_{109}$ | 14.0 | X | 326.87105 | 81.74469 | 244.96470 | 16.78730 | 0.1013912 | 0.17231639 | 3.1982935 | 20 | 7 14.5 | 18.3 |
| 95702 2002 $JY_{112}$ | 14.4 | X | 111.53569 | 237.68026 | 247.65615 | 31.70616 | 0.0919385 | 0.21839991 | 2.7308703 | 20 | 5 26.5 | 18.3 |
| 95703 2002 $JY_{122}$ | 14.5 | X | 334.86897 | 170.96162 | 160.83894 | 12.24856 | 0.0127540 | 0.17728602 | 3.1382417 | 20 | 8 10.5 | 18.8 |
| 95704 2002 $JS_{124}$ | 15.2 | X | 238.15238 | 285.23783 | 173.15482 | 13.37811 | 0.2270481 | 0.23736183 | 2.5834226 | 20 | 8 25.4 | 19.2 |
| 95705 2002 $JA_{133}$ | 14.7 | X | 153.85776 | 198.94033 | 350.73797 | 9.67733 | 0.0681941 | 0.18305963 | 3.0719042 | 20 | 9 27.6 | 19.5 |
| 95706 2002 $JQ_{135}$ | 14.8 | X | 194.89367 | 289.37723 | 222.14518 | 9.41625 | 0.0646611 | 0.18106590 | 3.0944130 | 20 | 9 24.0 | 19.5 |
| 95707 2002 $KZ_1$ | 14.9 | X | 175.16657 | 58.27884 | 46.26865 | 22.37741 | 0.0398235 | 0.22823861 | 2.6518155 | 20 | 7 12.4 | 19.1 |
| 95708 2002 $KM_2$ | 14.8 | X | 6.46560 | 84.50791 | 53.90454 | 5.17431 | 0.0109547 | 0.20967549 | 2.8061073 | 20 | 1 18.1 | 18.6 |
| 95709 2002 $LM_3$ | 14.4 | X | 173.55307 | 320.30156 | 206.59702 | 27.60600 | 0.1951296 | 0.17984126 | 3.1084448 | 20 | 9 15.3 | 20.0 |
| 95710 2002 $UJ_{38}$ | 16.4 | X | 248.80035 | 34.18347 | 235.66658 | 7.53807 | 0.1513948 | 0.30005613 | 2.2097054 | 20 | 1 9.4 | 19.8 |
| 95711 2003 $AK$ | 14.7 | X | 249.86850 | 79.01693 | 108.41917 | 22.97411 | 0.3405544 | 0.27474733 | 2.3434034 | 20 | 12 29.6 | 16.9 |
| 95712 2003 $AT_2$ | 15.9 | X | 332.82063 | 354.13135 | 343.95164 | 19.99944 | 0.0786669 | 0.37232106 | 1.9136286 | 20 | 9 13.0 | 17.0 |
| 95713 2003 $AJ_{60}$ | 15.1 | X | 339.49391 | 197.54416 | 1.86745 | 9.84213 | 0.1790859 | 0.22854883 | 2.6494154 | 20 | 2 8.2 | 18.2 |
| 95714 2003 $AB_{80}$ | 15.8 | X | 286.13517 | 123.53938 | 121.33758 | 14.10515 | 0.1543150 | 0.22639230 | 2.6662136 | 20 | 1 27.3 | 19.6 |
| 95715 2003 $BJ_{17}$ | 15.8 | X | 199.38178 | 127.94568 | 97.78657 | 5.29232 | 0.1186490 | 0.26923996 | 2.3752521 | 20 | — | — |
| 95716 2003 $BS_{20}$ | 16.1 | X | 274.03586 | 193.08601 | 9.97439 | 7.22482 | 0.1521215 | 0.27736677 | 2.3286261 | 20 | — | — |
| 95717 2003 $BK_{25}$ | 15.6 | X | 27.19084 | 57.62148 | 176.53469 | 11.92915 | 0.2664248 | 0.24089909 | 2.5580711 | 20 | 7 19.3 | 18.2 |
| 95718 2003 $BX_{26}$ | 16.1 | X | 349.17759 | 279.09196 | 283.18367 | 4.23750 | 0.1775937 | 0.28931367 | 2.2640712 | 20 | 2 12.4 | 18.0 |
| 95719 2003 $BG_{35}$ | 16.5 | X | 349.31121 | 353.38521 | 255.21347 | 4.97208 | 0.1452141 | 0.29834550 | 2.2181439 | 20 | 5 2.1 | 18.1 |
| 95720 2003 $BZ_{62}$ | 15.8 | X | 201.89949 | 114.36731 | 135.62653 | 3.97386 | 0.0943740 | 0.27281379 | 2.3544628 | 20 | — | — |
| 95721 2003 $CT_7$ | 15.9 | X | 256.38538 | 185.19683 | 357.38027 | 11.68271 | 0.1605796 | 0.27024485 | 2.3693603 | 20 | — | — |
| 95722 2003 $CG_{13}$ | 14.6 | X | 80.51015 | 299.98443 | 11.39196 | 11.60438 | 0.2706639 | 0.26236658 | 2.4165570 | 20 | — | — |
| 95723 2003 $CP_{13}$ | 15.1 | X | 92.30141 | 246.73629 | 21.67568 | 10.20788 | 0.1968884 | 0.25874527 | 2.4390522 | 20 | 11 18.3 | 19.0 |
| 95724 2003 $CH_{15}$ | 14.6 | X | 252.96180 | 206.54956 | 96.01726 | 16.70793 | 0.2488148 | 0.22853731 | 2.6495044 | 20 | 3 1.7 | 19.3 |
| 95725 2003 $CR_{17}$ | 15.9 | X | 108.37773 | 263.97531 | 345.25976 | 6.35017 | 0.0861120 | 0.25800648 | 2.4437061 | 20 | 11 2.9 | 19.5 |
| 95726 2003 $CO_{18}$ | 16.2 | X | 210.47178 | 79.72292 | 150.58628 | 4.94303 | 0.0987875 | 0.27128489 | 2.3633007 | 20 | — | — |
| 95727 2003 $DV_5$ | 16.7 | X | 317.81815 | 157.61263 | 96.73405 | 3.21126 | 0.1670534 | 0.29280398 | 2.2460430 | 20 | 3 11.6 | 19.2 |
| 95728 2003 $DZ_{13}$ | 16.0 | X | 162.49176 | 31.55534 | 204.87308 | 7.28226 | 0.1743555 | 0.26169872 | 2.4206666 | 20 | 12 12.9 | 19.9 |
| 95729 2003 $DJ_{15}$ | 15.4 | X | 342.42411 | 105.52491 | 114.80348 | 17.85433 | 0.1139773 | 0.23319363 | 2.6141165 | 20 | 3 25.7 | 18.8 |
| 95730 2003 $DO_{18}$ | 16.2 | X | 238.13694 | 1.34339 | 230.97063 | 1.65898 | 0.1709056 | 0.27492098 | 2.3424165 | 20 | — | — |
| 95731 2003 $DR_{20}$ | 16.0 | X | 217.89450 | 237.85058 | 346.33608 | 1.98408 | 0.1549271 | 0.27083612 | 2.3659106 | 20 | — | — |
| 95732 2003 $DS_{21}$ | 15.9 | X | 270.16523 | 232.14820 | 1.88470 | 8.88971 | 0.1711950 | 0.28077376 | 2.3097503 | 20 | — | — |
| 95733 2003 $DG_{22}$ | 16.1 | X | 1.93155 | 59.91406 | 115.17469 | 8.83750 | 0.0372883 | 0.28615857 | 2.2806827 | 20 | 2 15.5 | 18.6 |
| 95734 2003 $EJ_4$ | 15.8 | X | 174.54106 | 319.80335 | 304.78463 | 5.82373 | 0.1073088 | 0.26988147 | 2.3714866 | 20 | — | — |
| 95735 2003 $EW_4$ | 16.0 | X | 198.08063 | 134.20733 | 96.77871 | 2.27328 | 0.1456676 | 0.26659860 | 2.3909150 | 20 | — | — |
| 95736 2003 $EX_5$ | 15.1 | X | 333.77487 | 267.13544 | 8.37147 | 11.94065 | 0.2599961 | 0.23274947 | 2.6174411 | 20 | 4 26.4 | 17.6 |
| 95737 2003 $EN_7$ | 16.5 | X | 275.16854 | 299.96600 | 312.10550 | 5.30998 | 0.0860887 | 0.28577772 | 2.2827086 | 20 | 1 23.7 | 19.3 |
| 95738 2003 $EH_{11}$ | 15.2 | X | 303.16001 | 351.66297 | 200.15327 | 9.20605 | 0.1462318 | 0.22099417 | 2.7094565 | 20 | — | — |
| 95739 2003 $ES_{14}$ | 16.4 | X | 136.93603 | 142.12104 | 99.84741 | 3.30643 | 0.1777558 | 0.26140381 | 2.4224869 | 20 | 11 27.3 | 20.2 |
| 95740 2003 $EB_{16}$ | 16.7 | X | 48.87884 | 36.74188 | 220.09230 | 4.91855 | 0.1253213 | 0.30718561 | 2.1753817 | 20 | 9 13.8 | 19.2 |
| 95741 2003 $EC_{17}$ | 16.2 | X | 251.65100 | 226.35217 | 173.20621 | 22.94046 | 0.0933677 | 0.36163493 | 1.9511432 | 20 | 7 19.4 | 18.9 |
| 95742 2003 $ES_{20}$ | 14.8 | X | 335.57756 | 273.12496 | 356.02607 | 20.53136 | 0.2900753 | 0.17851595 | 3.1238106 | 20 | 4 15.1 | 18.3 |
| 95743 2003 $ET_{20}$ | 16.3 | X | 124.53648 | 265.39017 | 22.00690 | 2.62485 | 0.1901491 | 0.26350947 | 2.4095646 | 20 | — | — |
| 95744 2003 $EZ_{20}$ | 16.0 | X | 140.19695 | 78.78868 | 200.26117 | 1.45166 | 0.1217914 | 0.26560421 | 2.3968789 | 20 | — | — |
| 95745 2003 $EF_{22}$ | 15.8 | X | 241.06342 | 207.95046 | 16.65800 | 5.99194 | 0.1404125 | 0.27445341 | 2.3450762 | 20 | — | — |
| 95746 2003 $EW_{22}$ | 16.2 | X | 179.39767 | 110.41984 | 130.31361 | 2.94638 | 0.1655152 | 0.26564345 | 2.3966428 | 20 | — | — |
| 95747 2003 $EG_{23}$ | 15.4 | X | 255.73753 | 92.38017 | 148.70278 | 5.55761 | 0.1615349 | 0.27763841 | 2.3271070 | 20 | — | — |
| 95748 2003 $ET_{24}$ | 15.8 | X | 162.52930 | 250.64696 | 17.25001 | 7.63275 | 0.1958750 | 0.26716309 | 2.3875460 | 20 | — | — |
| 95749 2003 $EB_{25}$ | 16.4 | X | 137.70440 | 184.12719 | 80.65503 | 4.37070 | 0.1267482 | 0.26382920 | 2.4076174 | 20 | 12 26.6 | 20.2 |
| 95750 2003 $ED_{28}$ | 16.1 | X | 165.21324 | 271.93298 | 27.81661 | 7.64663 | 0.1126098 | 0.27241809 | 2.3567423 | 20 | — | — |
| 95751 2003 $EL_{28}$ | 15.7 | X | 142.92409 | 176.66658 | 23.64524 | 6.97532 | 0.1011982 | 0.25420642 | 2.4679994 | 20 | 10 11.2 | 19.2 |
| 95752 2003 $ER_{28}$ | 15.9 | X | 277.69086 | 188.34353 | 61.53056 | 2.52581 | 0.1329989 | 0.28129362 | 2.3069037 | 20 | 1 19.5 | 19.1 |
| 95753 2003 $EZ_{28}$ | 16.2 | X | 127.48424 | 145.02702 | 166.88299 | 6.55436 | 0.1172430 | 0.26933196 | 2.3747111 | 20 | — | — |
| 95754 2003 $EV_{29}$ | 15.7 | X | 294.30229 | 145.67024 | 150.17449 | 8.03692 | 0.1522345 | 0.28975707 | 2.2617609 | 20 | 4 9.6 | 18.5 |
| 95755 2003 $EC_{34}$ | 17.0 | X | 128.58634 | 171.62993 | 141.30190 | 1.96671 | 0.1911127 | 0.27056812 | 2.3674726 | 20 | — | — |
| 95756 2003 $EK_{34}$ | 16.3 | X | 232.01721 | 321.75730 | 283.38210 | 4.12960 | 0.1938587 | 0.27507490 | 2.3415427 | 20 | — | — |
| 95757 2003 $EZ_{34}$ | 15.5 | X | 35.80697 | 7.64360 | 245.66385 | 4.21760 | 0.1307082 | 0.24378273 | 2.5378586 | 20 | 8 10.9 | 18.4 |
| 95758 2003 $EA_{35}$ | 15.7 | X | 359.55248 | 269.35262 | 319.82625 | 6.66425 | 0.1470663 | 0.23459079 | 2.6037268 | 20 | 4 24.6 | 18.4 |
| 95759 2003 $EE_{37}$ | 14.7 | X | 99.89586 | 285.65771 | 30.85684 | 24.15490 | 0.2622593 | 0.26585060 | 2.3953977 | 20 | — | — |
| 95760 2003 $EF_{41}$ | 15.9 | X | 247.83761 | 204.63387 | 29.71441 | 8.89294 | 0.1459004 | 0.27372592 | 2.3492295 | 20 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95761 2003 $EK_{41}$ | 16.4 | X | 117.98586 | 35.58617 | 221.27710 | 1.74570 | 0.1630128 | 0.25884205 | 2.4384442 | 20 | 11 27.9 | 20.1 |
| 95762 2003 $EX_{43}$ | 16.5 | X | 242.21172 | 103.10832 | 159.88618 | 6.34120 | 0.0705025 | 0.27949039 | 2.3168156 | 20 | 1 1.6 | 19.8 |
| 95763 2003 $EO_{44}$ | 17.0 | X | 231.82002 | 246.11516 | 17.77936 | 0.92511 | 0.0734995 | 0.27885504 | 2.3203334 | 20 | — | — |
| 95764 2003 $EC_{46}$ | 15.8 | X | 222.71056 | 77.29768 | 205.66979 | 8.60038 | 0.1347431 | 0.27734702 | 2.3287367 | 20 | 1 4.6 | 19.5 |
| 95765 2003 $ED_{46}$ | 15.8 | X | 172.93724 | 205.44926 | 344.62773 | 8.88579 | 0.1349004 | 0.25639512 | 2.4539340 | 20 | 10 24.1 | 19.7 |
| 95766 2003 $EK_{46}$ | 16.3 | X | 128.14450 | 265.86216 | 352.76763 | 1.15361 | 0.1126048 | 0.26154932 | 2.4215883 | 20 | 12 9.2 | 19.8 |
| 95767 2003 $EY_{46}$ | 14.7 | X | 202.42737 | 73.05651 | 219.13676 | 15.51151 | 0.3125806 | 0.21499428 | 2.7596337 | 20 | 1 6.0 | 20.1 |
| 95768 2003 $EF_{47}$ | 15.6 | X | 212.86053 | 19.55730 | 47.17606 | 22.47406 | 0.0990973 | 0.36044289 | 1.9554426 | 20 | 7 8.0 | 18.5 |
| 95769 2003 $EF_{48}$ | 15.2 | X | 341.39717 | 284.10779 | 287.65982 | 12.79239 | 0.2212516 | 0.22974475 | 2.6402132 | 20 | 2 13.1 | 18.1 |
| 95770 2003 $EQ_{49}$ | 16.2 | X | 262.72747 | 141.76226 | 137.95327 | 7.01428 | 0.1125329 | 0.28553325 | 2.2840114 | 20 | 2 11.7 | 19.1 |
| 95771 Lachat | 15.5 | X | 331.97182 | 148.96985 | 84.32848 | 14.62412 | 0.1769237 | 0.23302766 | 2.6153576 | 20 | 3 18.0 | 18.8 |
| 95772 2003 $EE_{52}$ | 16.0 | X | 198.99486 | 201.25579 | 85.45999 | 5.89403 | 0.1844505 | 0.27523929 | 2.3406102 | 20 | — | — |
| 95773 2003 $EC_{53}$ | 15.5 | X | 183.88683 | 30.94435 | 210.39400 | 22.91927 | 0.1571341 | 0.26511437 | 2.3998303 | 20 | — | — |
| 95774 2003 $EQ_{53}$ | 15.7 | X | 298.23484 | 198.49369 | 63.45873 | 13.74643 | 0.1309826 | 0.22836808 | 2.6508131 | 20 | 3 13.9 | 19.5 |
| 95775 2003 $ET_{53}$ | 15.1 | X | 34.33168 | 85.28102 | 138.99879 | 12.29087 | 0.2287748 | 0.23535308 | 2.5981016 | 20 | 7 13.0 | 17.8 |
| 95776 2003 $EM_{57}$ | 14.6 | X | 226.11588 | 130.94854 | 122.10687 | 14.71348 | 0.1514109 | 0.21560283 | 2.7544385 | 20 | — | — |
| 95777 2003 $EW_{58}$ | 15.5 | X | 350.22880 | 9.45346 | 214.08030 | 12.61713 | 0.1145919 | 0.23336556 | 2.6128323 | 20 | 4 2.2 | 18.4 |
| 95778 2003 $EB_{59}$ | 15.3 | X | 124.18725 | 209.40353 | 42.20136 | 12.59293 | 0.2318149 | 0.25702838 | 2.4499017 | 20 | 11 25.9 | 19.6 |
| 95779 2003 $EH_{59}$ | 15.8 | X | 335.69881 | 203.35676 | 207.68517 | 23.48841 | 0.0739190 | 0.37660314 | 1.8990953 | 20 | — | — |
| 95780 2003 $EH_{60}$ | 15.3 | X | 293.00202 | 106.59675 | 135.79626 | 10.12588 | 0.1815473 | 0.22421619 | 2.6834370 | 20 | 1 28.2 | 19.2 |
| 95781 2003 $EO_{60}$ | 15.4 | X | 34.65278 | 143.81973 | 109.88430 | 8.96485 | 0.2152113 | 0.24221630 | 2.5487886 | 20 | 8 28.8 | 18.3 |
| 95782 Hansgraf | 15.9 | X | 285.67592 | 101.94040 | 155.83246 | 13.01182 | 0.2369717 | 0.22714440 | 2.6603250 | 20 | 1 31.5 | 20.2 |
| 95783 2003 $FJ_{6}$ | 15.8 | X | 243.11012 | 123.97262 | 204.35151 | 3.08421 | 0.1795585 | 0.28708097 | 2.2757949 | 20 | 3 18.5 | 19.3 |
| 95784 2003 $FS_{6}$ | 16.3 | X | 344.09929 | 0.88895 | 326.20316 | 2.27129 | 0.1432401 | 0.24760729 | 2.5116576 | 20 | 8 28.5 | 18.7 |
| 95785 Csányivilmos | 15.6 | X | 22.88314 | 163.19006 | 20.06949 | 9.53456 | 0.0545296 | 0.23090650 | 2.6313500 | 20 | 4 4.3 | 18.6 |
| 95786 2003 $FN_{7}$ | 16.3 | X | 349.93021 | 38.02010 | 2.16090 | 19.93865 | 0.1606186 | 0.37696182 | 1.8978905 | 20 | — | — |
| 95787 2003 $FJ_{12}$ | 15.1 | X | 318.66561 | 129.83633 | 107.18443 | 13.83784 | 0.1442662 | 0.23165210 | 2.6257007 | 20 | 3 3.7 | 18.6 |
| 95788 2003 $FL_{12}$ | 15.8 | X | 2.05188 | 329.54514 | 283.74496 | 3.60701 | 0.1054595 | 0.23718794 | 2.5846851 | 20 | 6 9.1 | 18.6 |
| 95789 2003 $FY_{15}$ | 16.2 | X | 56.17612 | 277.60952 | 297.98577 | 7.53576 | 0.0869489 | 0.29813841 | 2.2191709 | 20 | 7 18.4 | 18.6 |
| 95790 2003 $FA_{16}$ | 15.4 | X | 287.64795 | 322.31828 | 341.15340 | 10.22216 | 0.1910087 | 0.23091787 | 2.6312636 | 20 | 4 2.6 | 19.1 |
| 95791 2003 $FY_{18}$ | 16.6 | X | 200.84416 | 131.91750 | 87.02421 | 2.28040 | 0.1392182 | 0.26507832 | 2.4000479 | 20 | — | — |
| 95792 2003 $FZ_{19}$ | 15.1 | X | 98.50227 | 285.74729 | 14.94218 | 13.96636 | 0.2821490 | 0.26338845 | 2.4103026 | 20 | — | — |
| 95793 Brock | 15.8 | X | 124.97747 | 93.31910 | 191.54397 | 8.83508 | 0.0750849 | 0.26419496 | 2.4053948 | 20 | — | — |
| 95794 2003 $FN_{21}$ | 15.4 | X | 42.69534 | 147.41700 | 87.53543 | 14.35931 | 0.1429929 | 0.24211207 | 2.5495200 | 20 | 8 1.8 | 18.5 |
| 95795 2003 $FT_{23}$ | 16.1 | X | 341.07856 | 38.78468 | 160.76086 | 3.50214 | 0.1102139 | 0.22908589 | 2.6452729 | 20 | 2 16.4 | 19.2 |
| 95796 2003 $FM_{24}$ | 16.1 | X | 184.30569 | 128.77280 | 126.72220 | 3.28266 | 0.2011261 | 0.26678086 | 2.3898259 | 20 | — | — |
| 95797 2003 $FC_{27}$ | 16.0 | X | 86.70414 | 147.79126 | 193.69808 | 7.32590 | 0.2025007 | 0.26671018 | 2.3902482 | 20 | — | — |
| 95798 2003 $FX_{28}$ | 15.4 | X | 212.84428 | 91.13531 | 154.86474 | 13.51311 | 0.1755843 | 0.21145074 | 2.7903793 | 20 | — | — |
| 95799 2003 $FN_{30}$ | 15.1 | X | 123.85415 | 158.46710 | 156.56508 | 9.66332 | 0.1484488 | 0.20917948 | 2.8105415 | 20 | — | — |
| 95800 2003 $FS_{30}$ | 14.4 | X | 350.07387 | 75.06541 | 160.88859 | 16.90895 | 0.3202303 | 0.17496351 | 3.1659524 | 20 | 4 11.9 | 17.3 |
| 95801 2003 $FZ_{41}$ | 15.8 | X | 41.57256 | 22.40374 | 188.62170 | 8.61000 | 0.1021571 | 0.23904886 | 2.5712537 | 20 | 6 16.9 | 18.9 |
| 95802 Francismuir | 15.6 | X | 100.50693 | 180.27101 | 138.04352 | 0.82034 | 0.2092340 | 0.26470795 | 2.4022861 | 20 | — | — |
| 95803 2003 $FX_{45}$ | 15.9 | X | 225.69499 | 255.51981 | 50.19390 | 2.42218 | 0.1827156 | 0.28106349 | 2.3081628 | 20 | 2 5.4 | 19.5 |
| 95804 2003 $FK_{47}$ | 16.2 | X | 149.24719 | 310.53115 | 14.15866 | 2.37978 | 0.2240571 | 0.27155636 | 2.3617254 | 20 | — | — |
| 95805 2003 $FA_{50}$ | 14.5 | X | 315.38794 | 111.91028 | 173.46717 | 13.88258 | 0.1781616 | 0.17600442 | 3.1534576 | 20 | 4 29.9 | 18.6 |
| 95806 2003 $FV_{51}$ | 14.3 | X | 114.15684 | 336.73795 | 314.70977 | 15.83484 | 0.2310374 | 0.20511822 | 2.8475185 | 20 | 12 30.4 | 19.4 |
| 95807 2003 $FX_{51}$ | 15.7 | X | 50.04259 | 172.74926 | 63.00919 | 6.39544 | 0.1566564 | 0.24460521 | 2.5321665 | 20 | 8 17.7 | 18.8 |
| 95808 2003 $FQ_{52}$ | 16.0 | X | 286.64573 | 75.23577 | 95.79318 | 6.81784 | 0.0489886 | 0.27337950 | 2.3512136 | 20 | — | — |
| 95809 2003 $FA_{54}$ | 16.5 | X | 319.31006 | 144.14489 | 91.63481 | 1.59234 | 0.1720708 | 0.28520867 | 2.2857439 | 20 | 2 15.3 | 19.0 |
| 95810 2003 $FS_{54}$ | 15.1 | X | 240.07089 | 112.21404 | 111.68292 | 8.20030 | 0.0981393 | 0.21326009 | 2.7745741 | 20 | — | — |
| 95811 2003 $FB_{57}$ | 15.7 | X | 254.20111 | 74.37334 | 181.20753 | 7.07090 | 0.1608621 | 0.22234663 | 2.6984581 | 20 | 1 7.4 | 20.1 |
| 95812 2003 $FA_{59}$ | 16.9 | X | 295.59200 | 260.16780 | 29.46730 | 6.57291 | 0.1102845 | 0.29179818 | 2.2512013 | 20 | 4 7.2 | 19.5 |
| 95813 2003 $FW_{68}$ | 16.1 | X | 122.21803 | 186.10138 | 82.24592 | 3.51678 | 0.1710309 | 0.25835383 | 2.4415153 | 20 | 12 15.5 | 20.1 |
| 95814 2003 $FW_{69}$ | 15.6 | X | 158.69433 | 189.61939 | 136.67131 | 7.06729 | 0.1604849 | 0.27464498 | 2.3439856 | 20 | — | — |
| 95815 2003 $FY_{73}$ | 16.3 | X | 304.91011 | 26.20593 | 145.41744 | 3.09477 | 0.0929232 | 0.27510731 | 2.3413587 | 20 | — | — |
| 95816 2003 $FR_{74}$ | 16.4 | X | 303.60052 | 140.58331 | 94.76712 | 7.31239 | 0.0836795 | 0.28308648 | 2.2971532 | 20 | 2 8.5 | 19.3 |
| 95817 2003 $FC_{75}$ | 15.2 | X | 328.32362 | 208.34705 | 56.08304 | 14.21440 | 0.1143918 | 0.23251560 | 2.6191959 | 20 | 4 28.2 | 18.3 |
| 95818 2003 $FW_{79}$ | 15.8 | X | 273.54061 | 141.33796 | 168.67114 | 5.90856 | 0.2140011 | 0.28742520 | 2.2739775 | 20 | 3 23.4 | 18.8 |
| 95819 2003 $FB_{80}$ | 15.6 | X | 308.13984 | 176.18976 | 83.40921 | 5.86632 | 0.0648000 | 0.23024873 | 2.6363590 | 20 | 3 29.3 | 19.0 |
| 95820 2003 $FL_{80}$ | 15.1 | X | 202.40598 | 128.30418 | 119.49962 | 8.58684 | 0.1752780 | 0.21136230 | 2.7911576 | 20 | — | — |
| 95821 2003 $FJ_{82}$ | 15.6 | X | 340.17399 | 235.36819 | 40.13274 | 13.71079 | 0.1702134 | 0.23584804 | 2.5944653 | 20 | 5 24.6 | 18.2 |
| 95822 2003 $FM_{82}$ | 16.0 | X | 348.30136 | 189.51813 | 103.08772 | 6.00355 | 0.1855811 | 0.23926504 | 2.5697047 | 20 | 7 12.7 | 18.0 |
| 95823 2003 $FW_{82}$ | 16.1 | X | 277.60282 | 153.46942 | 133.65767 | 7.15819 | 0.0984363 | 0.28608079 | 2.2810961 | 20 | 3 13.9 | 19.0 |
| 95824 Elger | 16.1 | X | 339.91312 | 3.22073 | 311.84821 | 4.22340 | 0.1689783 | 0.30081279 | 2.2059983 | 20 | 8 8.5 | 17.5 |
| 95825 2003 $FJ_{86}$ | 15.8 | X | 359.04426 | 282.73320 | 331.27382 | 4.54761 | 0.1722161 | 0.23720391 | 2.5845691 | 20 | 6 3.9 | 18.1 |
| 95826 2003 $FA_{87}$ | 15.8 | X | 349.47615 | 6.29950 | 255.52299 | 4.72611 | 0.1483441 | 0.23702177 | 2.5858930 | 20 | 5 27.4 | 18.3 |
| 95827 2003 $FO_{88}$ | 16.2 | X | 237.51242 | 105.39646 | 131.12011 | 2.96301 | 0.2023599 | 0.27189364 | 2.3597719 | 20 | — | — |
| 95828 2003 $FD_{90}$ | 16.0 | X | 241.43397 | 239.00218 | 312.03264 | 6.82320 | 0.0732480 | 0.26818705 | 2.3814649 | 20 | — | — |
| 95829 2003 $FJ_{91}$ | 16.3 | X | 46.97306 | 250.29501 | 318.25791 | 4.03448 | 0.1007482 | 0.29630943 | 2.2282935 | 20 | 6 24.2 | 18.5 |
| 95830 2003 $FN_{92}$ | 15.9 | X | 32.96278 | 109.71924 | 123.05042 | 4.12135 | 0.0774208 | 0.23979188 | 2.5659394 | 20 | 6 30.9 | 18.7 |
| 95831 2003 $FP_{92}$ | 15.6 | X | 226.29896 | 116.63212 | 150.13727 | 5.07916 | 0.0836252 | 0.21793385 | 2.7347623 | 20 | — | — |
| 95832 2003 $FQ_{98}$ | 15.2 | X | 202.85877 | 296.81163 | 22.21492 | 6.79438 | 0.2350311 | 0.27967721 | 2.3157837 | 20 | 2 4.6 | 19.2 |
| 95833 2003 $FD_{99}$ | 16.1 | X | 149.04011 | 267.36147 | 49.24353 | 2.92341 | 0.2229396 | 0.27091346 | 2.3654603 | 20 | — | — |
| 95834 2003 $FF_{101}$ | 16.2 | X | 138.85964 | 207.25070 | 123.96851 | 6.55200 | 0.1179741 | 0.27400217 | 2.3476501 | 20 | — | — |
| 95835 2003 $FF_{103}$ | 15.6 | X | 33.74461 | 84.58667 | 169.42260 | 1.85267 | 0.2550481 | 0.18465531 | 3.0541815 | 20 | 8 22.8 | 19.1 |
| 95836 2003 $FS_{104}$ | 15.8 | X | 343.66512 | 140.78848 | 98.71921 | 1.72485 | 0.0574909 | 0.23211654 | 2.6221971 | 20 | 4 21.5 | 18.8 |
| 95837 2003 $FU_{105}$ | 15.8 | X | 328.56363 | 243.14912 | 33.31128 | 14.29565 | 0.2294873 | 0.23408503 | 2.6074758 | 20 | 4 25.4 | 18.3 |
| 95838 2003 $FJ_{107}$ | 15.6 | X | 251.55661 | 228.92213 | 55.35491 | 7.32429 | 0.1156916 | 0.28036377 | 2.3120015 | 20 | 2 8.6 | 19.0 |
| 95839 2003 $FN_{107}$ | 15.6 | X | 231.16105 | 196.33006 | 68.80735 | 7.21995 | 0.0902493 | 0.27407493 | 2.3472347 | 20 | — | — |
| 95840 2003 $FT_{107}$ | 15.0 | X | 258.33213 | 54.40419 | 203.13106 | 13.64724 | 0.1254184 | 0.21704626 | 2.7422130 | 20 | 1 15.1 | 19.5 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95841 2003 $FB_{109}$ | 15.2 | X | 283.75093 | 292.90995 | 52.79778 | 14.96553 | 0.1755954 | 0.23897670 | 2.5717713 | 20 | 5 28.7 | 18.6 |
| 95842 2003 $FX_{111}$ | 15.6 | X | 118.57032 | 249.17243 | 61.26955 | 10.20790 | 0.1875992 | 0.26391503 | 2.4070954 | 20 | — | — |
| 95843 2003 $FZ_{113}$ | 15.9 | X | 223.64344 | 325.15815 | 329.17740 | 3.34534 | 0.1296267 | 0.27942563 | 2.3171735 | 20 | 1 21.1 | 19.5 |
| 95844 2003 $FE_{114}$ | 17.0 | X | 18.90951 | 355.71331 | 273.87307 | 1.41593 | 0.0561284 | 0.30161220 | 2.2020987 | 20 | 8 4.4 | 19.2 |
| 95845 2003 $FS_{114}$ | 15.9 | X | 314.44696 | 326.98994 | 155.49537 | 6.37979 | 0.0818083 | 0.26687088 | 2.3892885 | 20 | — | — |
| 95846 2003 $FZ_{115}$ | 15.3 | X | 187.13827 | 166.64454 | 159.87494 | 9.48522 | 0.1907570 | 0.21629531 | 2.7485564 | 20 | 2 2.4 | 19.9 |
| 95847 2003 $FK_{118}$ | 15.6 | X | 176.75621 | 289.20694 | 348.89521 | 12.00914 | 0.2052496 | 0.21385035 | 2.7694663 | 20 | — | — |
| 95848 2003 $FQ_{119}$ | 15.3 | X | 197.97726 | 225.80582 | 46.92278 | 8.45469 | 0.1890591 | 0.21127266 | 2.7919471 | 20 | — | — |
| 95849 2003 $FZ_{120}$ | 16.5 | X | 57.52101 | 112.93152 | 170.43324 | 8.73766 | 0.1534677 | 0.25220055 | 2.4810682 | 20 | 10 31.6 | 19.9 |
| 95850 2003 $FA_{122}$ | 14.6 | X | 311.24837 | 150.60385 | 156.56761 | 15.06394 | 0.2073946 | 0.17738405 | 3.1370853 | 20 | 5 18.6 | 18.8 |
| 95851 Stromvil | 15.9 | X | 17.87121 | 228.36626 | 30.80579 | 8.94647 | 0.1371093 | 0.24266668 | 2.5456339 | 20 | 7 24.5 | 18.7 |
| 95852 Leatherbarrow | 16.2 | X | 155.93907 | 5.86216 | 234.25169 | 0.73351 | 0.1371330 | 0.26165947 | 2.4209087 | 20 | 12 12.9 | 19.9 |
| 95853 Jamescarpenter | 16.2 | X | 126.14684 | 93.33519 | 184.87512 | 6.91703 | 0.0790568 | 0.25991200 | 2.4317476 | 20 | 12 30.8 | 19.8 |
| 95854 2003 $GD_{3}$ | 16.2 | X | 294.90861 | 287.33244 | 6.46152 | 5.02614 | 0.1721152 | 0.29129891 | 2.2537729 | 20 | 3 31.8 | 19.0 |
| 95855 2003 $GD_{5}$ | 16.3 | X | 187.38247 | 30.12819 | 186.87521 | 2.32428 | 0.1366480 | 0.26214145 | 2.4179403 | 20 | 12 16.1 | 19.9 |
| 95856 2003 $GG_{6}$ | 15.2 | X | 324.09707 | 88.78202 | 181.04209 | 11.37919 | 0.1786023 | 0.22980761 | 2.6397316 | 20 | 4 18.4 | 18.2 |
| 95857 2003 $GV_{9}$ | 15.2 | X | 272.31705 | 35.13535 | 196.01690 | 12.43131 | 0.1237037 | 0.21749616 | 2.7384301 | 20 | — | — |
| 95858 2003 $GW_{9}$ | 16.2 | X | 230.70752 | 5.99115 | 185.23609 | 7.42840 | 0.1870443 | 0.26400438 | 2.4065523 | 20 | 12 27.2 | 19.2 |
| 95859 2003 $GG_{10}$ | 15.6 | X | 241.43317 | 318.72504 | 155.23741 | 14.76139 | 0.0386136 | 0.25541028 | 2.4602380 | 20 | 10 25.4 | 19.0 |
| 95860 2003 $GC_{11}$ | 16.0 | X | 154.16280 | 176.39806 | 79.05716 | 9.66740 | 0.1708459 | 0.26321274 | 2.4113751 | 20 | 12 28.6 | 19.7 |
| 95861 2003 $GU_{12}$ | 14.8 | X | 320.11931 | 189.25588 | 13.64147 | 13.88521 | 0.1866079 | 0.22380724 | 2.6867048 | 20 | 1 14.6 | 18.6 |
| 95862 2003 $GK_{13}$ | 16.2 | X | 212.35603 | 178.62720 | 107.75961 | 1.49551 | 0.1800131 | 0.27691795 | 2.3311416 | 20 | — | — |
| 95863 2003 $GE_{21}$ | 16.2 | X | 22.02919 | 87.60184 | 168.47745 | 12.78199 | 0.1458027 | 0.24245616 | 2.5471072 | 20 | 7 23.7 | 19.1 |
| 95864 2003 $GC_{22}$ | 14.7 | X | 27.33988 | 38.52710 | 201.52657 | 10.38572 | 0.1792843 | 0.18213611 | 3.0822795 | 20 | 7 9.3 | 18.5 |
| 95865 2003 $GA_{23}$ | 14.6 | X | 348.37882 | 47.27606 | 232.01742 | 6.64805 | 0.1329516 | 0.17995153 | 3.1071749 | 20 | 6 19.6 | 18.3 |
| 95866 2003 $GM_{23}$ | 16.4 | X | 309.32467 | 287.82306 | 330.18890 | 1.51288 | 0.0934893 | 0.28632985 | 2.2797731 | 20 | 3 14.8 | 18.9 |
| 95867 2003 $GO_{23}$ | 15.7 | X | 257.89961 | 251.85332 | 38.78216 | 3.85689 | 0.2503748 | 0.22232160 | 2.6986607 | 20 | 2 16.8 | 20.2 |
| 95868 2003 $GB_{29}$ | 14.5 | X | 43.23337 | 197.51764 | 64.29696 | 14.56580 | 0.2494322 | 0.18535566 | 3.0464834 | 20 | 9 24.8 | 18.7 |
| 95869 2003 $GC_{29}$ | 15.9 | X | 148.68594 | 112.74099 | 169.62775 | 4.78830 | 0.0510396 | 0.26590498 | 2.3950711 | 20 | — | — |
| 95870 2003 $GE_{34}$ | 15.1 | X | 247.92893 | 190.55077 | 92.01681 | 15.54196 | 0.0764923 | 0.22269825 | 2.6956169 | 20 | 2 13.5 | 19.2 |
| 95871 2003 $GY_{34}$ | 15.4 | X | 5.04633 | 234.14042 | 79.80272 | 16.00049 | 0.1532680 | 0.24501459 | 2.5293451 | 20 | 10 1.6 | 18.5 |
| 95872 2003 $GB_{36}$ | 15.4 | X | 272.23423 | 171.43037 | 88.60660 | 15.17517 | 0.1082640 | 0.22553795 | 2.6729426 | 20 | 2 8.4 | 19.5 |
| 95873 2003 $GH_{37}$ | 16.2 | X | 45.00602 | 178.66795 | 200.88527 | 7.62127 | 0.0508951 | 0.26577414 | 2.3958570 | 20 | — | — |
| 95874 2003 $GA_{44}$ | 15.5 | X | 146.84798 | 218.20011 | 136.68431 | 13.77952 | 0.1053821 | 0.27517524 | 2.3409734 | 20 | 1 15.7 | 18.7 |
| 95875 2003 $GU_{44}$ | 16.3 | X | 155.88232 | 4.74550 | 262.69680 | 0.59190 | 0.1597625 | 0.26340245 | 2.4102172 | 20 | — | — |
| 95876 2003 $GC_{46}$ | 15.3 | X | 84.07032 | 171.09785 | 120.10536 | 6.28869 | 0.2437613 | 0.19672372 | 2.9279584 | 20 | 12 5.3 | 20.2 |
| 95877 2003 $GT_{46}$ | 15.8 | X | 343.31348 | 63.59638 | 151.25858 | 8.90226 | 0.1094787 | 0.22976278 | 2.6400750 | 20 | 3 13.7 | 18.7 |
| 95878 2003 $GG_{50}$ | 15.3 | X | 55.90011 | 255.90189 | 45.92623 | 13.60300 | 0.2302423 | 0.19252640 | 2.9703607 | 20 | 11 17.5 | 19.6 |
| 95879 2003 $GW_{50}$ | 14.8 | X | 138.67513 | 180.67584 | 82.58599 | 10.90079 | 0.2810679 | 0.20036708 | 2.8923564 | 20 | 12 14.0 | 20.1 |
| 95880 2003 $GW_{53}$ | 15.9 | X | 184.02656 | 200.57637 | 139.27355 | 5.56409 | 0.1121339 | 0.22198283 | 2.7014056 | 20 | 2 13.5 | 19.9 |
| 95881 2003 $HR$ | 16.1 | X | 151.18658 | 312.72724 | 254.21277 | 2.12719 | 0.1210923 | 0.25490025 | 2.4635188 | 20 | 10 26.9 | 19.9 |
| 95882 Longshaw | 15.8 | X | 2.54366 | 353.32340 | 171.26669 | 5.82057 | 0.1439942 | 0.28176972 | 2.3043043 | 20 | 1 18.7 | 18.1 |
| 95883 2003 $HO_{3}$ | 15.6 | X | 47.12724 | 156.16969 | 80.65088 | 1.02056 | 0.1787522 | 0.18402566 | 3.0611443 | 20 | 8 9.1 | 19.3 |
| 95884 2003 $HY_{3}$ | 16.0 | X | 291.80660 | 92.42646 | 206.25956 | 10.89526 | 0.1981040 | 0.22969367 | 2.6406045 | 20 | 4 3.4 | 19.5 |
| 95885 2003 $HL_{4}$ | 15.7 | X | 296.89346 | 7.15835 | 270.65162 | 1.92721 | 0.1516542 | 0.22895584 | 2.6462746 | 20 | 3 20.5 | 19.3 |
| 95886 2003 $HY_{4}$ | 14.8 | X | 307.75724 | 186.97480 | 203.52178 | 13.55292 | 0.0910282 | 0.18994960 | 2.9971637 | 20 | 9 12.1 | 18.7 |
| 95887 2003 $HE_{5}$ | 16.2 | X | 123.42442 | 262.86359 | 82.27548 | 3.49716 | 0.1858949 | 0.26836514 | 2.3804112 | 20 | — | — |
| 95888 2003 $HV_{8}$ | 15.8 | X | 301.83783 | 65.79506 | 205.22591 | 4.34749 | 0.1421173 | 0.22847195 | 2.6500097 | 20 | 3 19.8 | 19.3 |
| 95889 2003 $HE_{9}$ | 16.5 | X | 244.59563 | 286.18959 | 262.10717 | 0.88475 | 0.1352186 | 0.26648338 | 2.3916042 | 20 | — | — |
| 95890 2003 $HK_{9}$ | 15.5 | X | 30.76296 | 323.24984 | 310.41403 | 9.39629 | 0.2134193 | 0.24441496 | 2.5334803 | 20 | 9 12.7 | 18.4 |
| 95891 2003 $HH_{10}$ | 16.1 | X | 312.44918 | 81.86661 | 223.88306 | 10.92339 | 0.1696871 | 0.23450320 | 2.6043751 | 20 | 5 19.7 | 19.1 |
| 95892 2003 $HO_{11}$ | 15.4 | X | 178.08526 | 186.15501 | 203.83723 | 22.52991 | 0.1435115 | 0.28533316 | 2.2850790 | 20 | 4 5.5 | 18.8 |
| 95893 2003 $HY_{11}$ | 14.9 | X | 219.05893 | 205.34285 | 94.21884 | 11.00669 | 0.1782723 | 0.21724838 | 2.7405119 | 20 | 1 30.5 | 19.5 |
| 95894 2003 $HA_{12}$ | 15.1 | X | 303.36419 | 177.65607 | 105.60900 | 16.08889 | 0.1555460 | 0.22822328 | 2.6519343 | 20 | 4 15.1 | 18.8 |
| 95895 2003 $HF_{12}$ | 15.9 | X | 238.31697 | 116.09354 | 108.11776 | 7.01581 | 0.0604535 | 0.26953781 | 2.3735019 | 20 | — | — |
| 95896 2003 $HH_{13}$ | 16.0 | X | 155.84796 | 153.31984 | 188.75927 | 6.80101 | 0.1303010 | 0.27380518 | 2.3487761 | 20 | 1 11.9 | 19.5 |
| 95897 2003 $HZ_{14}$ | 15.7 | X | 134.77000 | 266.49537 | 69.16134 | 7.40651 | 0.1482071 | 0.26956363 | 2.3733503 | 20 | — | — |
| 95898 2003 $HQ_{16}$ | 15.4 | X | 242.53883 | 321.89443 | 224.68752 | 23.47263 | 0.0796859 | 0.26451549 | 2.4034512 | 20 | — | — |
| 95899 2003 $HZ_{20}$ | 16.0 | X | 248.99817 | 205.20248 | 61.11610 | 5.11724 | 0.1207008 | 0.27610287 | 2.3357271 | 20 | 1 12.0 | 19.4 |
| 95900 2003 $HF_{21}$ | 16.2 | X | 227.90360 | 236.09418 | 68.95252 | 2.96144 | 0.1026581 | 0.27980747 | 2.3150649 | 20 | 2 9.1 | 19.6 |
| 95901 2003 $HY_{22}$ | 15.9 | X | 53.96590 | 326.82694 | 286.33332 | 2.25339 | 0.0859411 | 0.24597096 | 2.5227845 | 20 | 9 1.4 | 19.0 |
| 95902 2003 $HL_{24}$ | 14.4 | X | 38.38905 | 216.85407 | 77.61652 | 18.86899 | 0.1849721 | 0.18644200 | 3.0346380 | 20 | 10 21.3 | 18.7 |
| 95903 2003 $HC_{27}$ | 14.5 | X | 14.28925 | 256.23441 | 60.93628 | 13.73177 | 0.1760378 | 0.18781840 | 3.0197939 | 20 | 10 9.6 | 18.2 |
| 95904 2003 $HO_{29}$ | 16.5 | X | 192.66279 | 329.51940 | 268.43124 | 1.12546 | 0.1769811 | 0.26328984 | 2.4109043 | 20 | — | — |
| 95905 2003 $HE_{30}$ | 15.7 | X | 307.14260 | 28.41480 | 228.09902 | 12.97497 | 0.2206695 | 0.22572491 | 2.6714664 | 20 | 2 20.7 | 19.7 |
| 95906 2003 $HJ_{30}$ | 15.5 | X | 326.47543 | 252.99237 | 17.20434 | 4.62807 | 0.2134511 | 0.23024842 | 2.6363614 | 20 | 4 15.0 | 18.2 |
| 95907 2003 $HE_{31}$ | 16.6 | X | 85.13093 | 222.81783 | 80.38342 | 2.22398 | 0.1596339 | 0.25524297 | 2.4613131 | 20 | 12 23.3 | 20.4 |
| 95908 2003 $HX_{31}$ | 16.1 | X | 2.13270 | 49.72079 | 203.29511 | 8.25732 | 0.1477920 | 0.23478828 | 2.6022665 | 20 | 6 10.1 | 18.7 |
| 95909 2003 $HN_{32}$ | 15.5 | X | 9.72631 | 76.26418 | 203.69060 | 6.14801 | 0.2435607 | 0.18039695 | 3.1020581 | 20 | 8 6.9 | 18.7 |
| 95910 2003 $HE_{36}$ | 15.8 | X | 216.09414 | 243.36085 | 90.31595 | 7.44252 | 0.0961610 | 0.22577034 | 2.6711080 | 20 | 3 12.1 | 19.9 |
| 95911 2003 $HK_{39}$ | 15.7 | X | 157.53090 | 14.95014 | 229.79250 | 5.73438 | 0.0917815 | 0.25872983 | 2.4391493 | 20 | 12 21.9 | 19.2 |
| 95912 2003 $HN_{40}$ | 14.7 | X | 108.16420 | 78.17661 | 227.56794 | 11.40181 | 0.0990319 | 0.19998037 | 2.8960839 | 20 | — | — |
| 95913 2003 $HE_{41}$ | 14.8 | X | 270.17175 | 322.52357 | 223.43771 | 8.38380 | 0.2343360 | 0.21176317 | 2.7876341 | 20 | — | — |
| 95914 2003 $HT_{41}$ | 15.7 | X | 11.27385 | 265.74115 | 313.54840 | 3.30875 | 0.1660813 | 0.23193095 | 2.6235957 | 20 | 5 6.6 | 18.2 |
| 95915 2003 $HM_{46}$ | 16.5 | X | 334.36561 | 96.34068 | 107.09416 | 4.28563 | 0.0771028 | 0.28244181 | 2.3006474 | 20 | 2 8.4 | 19.1 |
| 95916 2003 $HU_{47}$ | 15.9 | X | 355.94772 | 219.16618 | 351.56683 | 7.47250 | 0.0525455 | 0.28784649 | 2.2717581 | 20 | 3 24.2 | 18.2 |
| 95917 2003 $HM_{48}$ | 15.4 | X | 45.31224 | 340.85256 | 229.23605 | 14.16222 | 0.0428289 | 0.23439486 | 2.6051776 | 20 | 6 12.6 | 18.8 |
| 95918 2003 $HQ_{48}$ | 16.0 | X | 41.77565 | 54.51228 | 204.42249 | 5.82488 | 0.1122341 | 0.24054446 | 2.5605847 | 20 | 8 24.9 | 19.2 |
| 95919 2003 $HC_{51}$ | 15.4 | X | 61.33710 | 56.18060 | 148.75010 | 8.07067 | 0.1405433 | 0.23591276 | 2.5939908 | 20 | 7 14.5 | 18.7 |
| 95920 2003 $HJ_{52}$ | 14.7 | X | 302.80729 | 216.23386 | 107.34035 | 9.24539 | 0.2126171 | 0.17556237 | 3.1587488 | 20 | 5 24.5 | 18.8 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 95921 2003 $HJ_{53}$ | 16.2 | X | 248.10943 | 290.99390 | 332.66847 | 6.77537 | 0.0992841 | 0.27597959 | 2.3364226 | 20 | 1 9.5 | 19.6 |
| 95922 2003 $HK_{54}$ | 16.2 | X | 277.90033 | 296.25446 | 14.05138 | 6.51732 | 0.1294513 | 0.28926107 | 2.2643457 | 20 | 4 8.0 | 19.1 |
| 95923 2003 $HN_{55}$ | 15.3 | X | 139.16908 | 107.67398 | 177.30990 | 18.97957 | 0.2038239 | 0.20486279 | 2.8498849 | 20 | — | — |
| 95924 2003 $JT_{3}$ | 15.6 | X | 323.19753 | 144.50525 | 120.66144 | 6.28935 | 0.1748802 | 0.28628257 | 2.2800241 | 20 | 4 6.9 | 17.9 |
| 95925 2003 $JF_{7}$ | 16.1 | X | 332.13785 | 2.47961 | 172.22928 | 3.76634 | 0.0336611 | 0.27501576 | 2.3418783 | 20 | 1 3.2 | 18.8 |
| 95926 2003 $JC_{9}$ | 15.9 | X | 178.23751 | 197.42767 | 186.33935 | 6.07416 | 0.1229699 | 0.28429651 | 2.2906305 | 20 | 3 28.8 | 19.2 |
| 95927 2003 $JP_{9}$ | 15.6 | X | 202.06657 | 101.47475 | 159.86445 | 2.98799 | 0.0635262 | 0.21155248 | 2.7894846 | 20 | — | — |
| 95928 Tonycook | 15.1 | X | 273.05193 | 121.69718 | 151.98049 | 13.19545 | 0.1550492 | 0.22192864 | 2.7018453 | 20 | 2 17.6 | 19.1 |
| 95929 2003 $JG_{14}$ | 15.3 | X | 316.71736 | 63.83210 | 176.56616 | 11.48778 | 0.1399224 | 0.22451643 | 2.6810441 | 20 | 2 29.7 | 18.8 |
| 95930 2003 $JC_{16}$ | 15.0 | X | 346.07372 | 123.17995 | 124.22687 | 16.24967 | 0.1646697 | 0.17377521 | 3.1803689 | 20 | 5 7.8 | 19.0 |
| 95931 2003 $JT_{16}$ | 14.4 | X | 29.19730 | 89.07759 | 168.33467 | 25.92995 | 0.2168313 | 0.17928008 | 3.1149281 | 20 | 8 10.8 | 18.3 |
| 95932 2003 $JE_{17}$ | 13.9 | X | 191.47328 | 114.16409 | 321.46736 | 16.98010 | 0.1115524 | 0.24259062 | 2.5461660 | 20 | 6 21.6 | 18.0 |
| 95933 2003 $KF$ | 14.7 | X | 349.19366 | 168.63795 | 140.03396 | 12.33058 | 0.1066825 | 0.18167503 | 3.0874923 | 20 | 7 31.9 | 18.3 |
| 95934 2003 $KM_{2}$ | 15.4 | X | 35.07138 | 111.05179 | 166.10151 | 10.89915 | 0.1325675 | 0.18365301 | 3.0652837 | 20 | 9 5.8 | 19.3 |
| 95935 Grego | 16.0 | X | 277.23254 | 47.24869 | 151.59818 | 6.58764 | 0.0554097 | 0.27146920 | 2.3622308 | 20 | — | — |
| 95936 2003 $KG_{17}$ | 14.9 | X | 93.42376 | 100.80429 | 202.49943 | 10.38778 | 0.0840928 | 0.19700467 | 2.9251740 | 20 | 12 14.2 | 19.4 |
| 95937 2003 $KY_{18}$ | 15.0 | X | 23.88674 | 116.13758 | 180.47813 | 10.04429 | 0.1759478 | 0.18316511 | 3.0707247 | 20 | 9 20.1 | 18.5 |
| 95938 2003 $KJ_{20}$ | 14.7 | X | 346.35309 | 15.18643 | 259.58600 | 16.24730 | 0.2387582 | 0.23149360 | 2.6268991 | 20 | 6 4.2 | 16.6 |
| 95939 Thagnesland | 16.2 | X | 281.17999 | 187.69569 | 164.82810 | 4.79097 | 0.1020002 | 0.23407554 | 2.6075463 | 20 | 6 17.4 | 19.6 |
| 95940 2003 $LT_{2}$ | 15.9 | X | 332.75719 | 49.04306 | 227.66497 | 2.53855 | 0.1371061 | 0.23087361 | 2.6315999 | 20 | 5 18.1 | 18.7 |
| 95941 2003 $LX_{3}$ | 14.9 | X | 9.91151 | 39.19815 | 244.05283 | 11.95240 | 0.1795266 | 0.23713756 | 2.5850512 | 20 | 8 9.8 | 17.7 |
| 95942 2003 $LU_{5}$ | 14.9 | X | 302.11768 | 305.38687 | 344.89025 | 0.94986 | 0.2897440 | 0.16865212 | 3.2444532 | 20 | 3 28.5 | 19.4 |
| 95943 2003 $LY_{6}$ | 14.4 | X | 320.54803 | 291.93390 | 59.97009 | 1.50874 | 0.2715718 | 0.17832036 | 3.1260944 | 20 | 7 23.7 | 17.4 |
| 95944 2003 $MN_{2}$ | 13.6 | X | 61.49797 | 286.80765 | 291.14063 | 23.64584 | 0.2896190 | 0.17541427 | 3.1605265 | 20 | 8 11.4 | 18.3 |
| 95945 2003 $MG_{5}$ | 14.3 | X | 319.88809 | 113.70413 | 266.44275 | 12.75260 | 0.2294585 | 0.17694061 | 3.1423245 | 20 | 8 29.6 | 17.9 |
| 95946 2003 $MP_{7}$ | 14.4 | X | 325.93903 | 147.43519 | 163.89884 | 27.03598 | 0.1731585 | 0.17515309 | 3.1636676 | 20 | 6 21.8 | 18.7 |
| 95947 2003 $NG_{1}$ | 14.1 | X | 63.78488 | 3.16848 | 280.97347 | 11.09167 | 0.0760759 | 0.18193882 | 3.0845073 | 20 | 10 9.2 | 18.6 |
| 95948 2003 $OS_{7}$ | 14.4 | X | 342.50167 | 205.97019 | 149.73360 | 16.87970 | 0.0876577 | 0.17879851 | 3.1205187 | 20 | 9 25.3 | 18.4 |
| 95949 2003 $OX_{18}$ | 14.6 | X | 315.66264 | 153.64550 | 229.06789 | 12.07242 | 0.1978521 | 0.17703463 | 3.1412119 | 20 | 8 30.1 | 18.3 |
| 95950 2003 $OZ_{18}$ | 15.2 | X | 112.61070 | 318.95873 | 243.21069 | 11.87381 | 0.1297372 | 0.23739212 | 2.5832029 | 20 | 9 4.9 | 19.4 |
| 95951 Ernestopalomba | 13.6 | X | 255.47311 | 112.87213 | 330.23679 | 16.81261 | 0.1128510 | 0.17631549 | 3.1497475 | 20 | 9 2.8 | 18.1 |
| 95952 2003 $QP_{12}$ | 12.8 | X | 4.82768 | 309.57399 | 84.89351 | 7.10462 | 0.2871019 | 0.12514454 | 3.9584769 | 20 | 12 19.5 | 17.0 |
| 95953 2003 $QV_{19}$ | 13.8 | X | 196.29002 | 131.34651 | 355.11772 | 11.12765 | 0.1201991 | 0.17192697 | 3.2031213 | 20 | 8 26.7 | 18.9 |
| 95954 Bayzoltán | 14.7 | X | 313.94699 | 264.05856 | 152.48144 | 21.84446 | 0.1381228 | 0.18190264 | 3.0849163 | 20 | 10 30.4 | 18.8 |
| 95955 Claragianni | 14.1 | X | 10.50810 | 314.55676 | 329.91128 | 10.70531 | 0.1749294 | 0.17174557 | 3.2053763 | 20 | 8 10.3 | 17.6 |
| 95956 2003 $RG_{12}$ | 14.0 | X | 67.28408 | 256.01555 | 1.06366 | 25.65501 | 0.2136145 | 0.17831558 | 3.1261503 | 20 | 9 30.5 | 18.6 |
| 95957 2003 $SU_{101}$ | 13.0 | X | 19.42939 | 103.60909 | 299.89928 | 10.11779 | 0.2337573 | 0.12574988 | 3.9457630 | 20 | — | — |
| 95958 2003 $SW_{167}$ | 14.6 | X | 36.32755 | 170.52288 | 229.27672 | 9.92616 | 0.0999732 | 0.19284210 | 2.9671180 | 20 | — | — |
| 95959 Covadonga | 15.2 | X | 144.40441 | 205.59373 | 29.33011 | 6.40360 | 0.0837769 | 0.18292038 | 3.0734629 | 20 | 11 11.8 | 19.9 |
| 95960 2003 $SX_{282}$ | 14.3 | X | 309.38455 | 192.73010 | 212.07454 | 20.87760 | 0.0990094 | 0.17844524 | 3.1246358 | 20 | 10 1.1 | 18.4 |
| 95961 2003 $UF_{185}$ | 15.6 | X | 77.35833 | 200.01061 | 343.59579 | 1.41894 | 0.0256571 | 0.21429799 | 2.7656082 | 20 | 6 19.0 | 19.4 |
| 95962 Copito | 14.6 | X | 252.63246 | 269.35325 | 214.13380 | 21.24064 | 0.0348853 | 0.17137085 | 3.2100472 | 20 | 11 1.0 | 19.0 |
| 95963 2004 $KE_{4}$ | 14.3 | X | 307.69163 | 138.47741 | 99.83555 | 30.37923 | 0.1771335 | 0.23201319 | 2.6229757 | 20 | 2 12.9 | 18.2 |
| 95964 2004 $KL_{6}$ | 15.6 | X | 51.72609 | 152.57038 | 173.71676 | 4.43073 | 0.2094579 | 0.26019548 | 2.4299811 | 20 | 12 24.7 | 19.2 |
| 95965 2004 $KP_{16}$ | 16.0 | X | 73.69177 | 351.75358 | 309.37085 | 2.04613 | 0.1843758 | 0.25912071 | 2.4366957 | 20 | 12 12.5 | 19.7 |
| 95966 2004 $KW_{16}$ | 15.5 | X | 324.47863 | 165.69529 | 105.67753 | 2.11703 | 0.1716545 | 0.17443191 | 3.1723817 | 20 | 4 24.9 | 19.3 |
| 95967 2004 $LZ_{3}$ | 14.1 | X | 279.71374 | 181.51881 | 140.73871 | 27.56363 | 0.2548563 | 0.17712443 | 3.1401501 | 20 | 4 23.9 | 19.3 |
| 95968 2004 $LR_{8}$ | 15.3 | X | 200.38155 | 168.87407 | 124.43285 | 14.34185 | 0.1622558 | 0.21813989 | 2.7330400 | 20 | 1 6.1 | 19.8 |
| 95969 2004 $LS_{8}$ | 16.0 | X | 118.37397 | 58.66241 | 283.10089 | 4.19041 | 0.2347561 | 0.27168872 | 2.3609583 | 20 | — | — |
| 95970 2004 $LT_{8}$ | 16.1 | X | 120.79578 | 174.93318 | 118.06706 | 5.63256 | 0.2288202 | 0.26717418 | 2.3874799 | 20 | — | — |
| 95971 2004 $LU_{8}$ | 15.5 | X | 57.27065 | 204.88037 | 127.75087 | 3.58906 | 0.1933059 | 0.26081615 | 2.4261244 | 20 | — | — |
| 95972 2004 $LX_{8}$ | 15.3 | X | 164.26381 | 16.22127 | 289.39944 | 6.88140 | 0.2036895 | 0.21369917 | 2.7707723 | 20 | — | — |
| 95973 2004 $LQ_{16}$ | 15.8 | X | 146.13783 | 130.73923 | 203.71441 | 6.37921 | 0.2332771 | 0.27416952 | 2.3466948 | 20 | 1 3.7 | 19.3 |
| 95974 2004 $LU_{17}$ | 15.3 | X | 309.29747 | 180.40711 | 103.22959 | 14.26384 | 0.1554698 | 0.23700337 | 2.5860269 | 20 | 4 22.6 | 18.7 |
| 95975 2004 $LX_{17}$ | 14.8 | X | 10.25195 | 311.55590 | 315.27654 | 15.78033 | 0.2422309 | 0.18291827 | 3.0734867 | 20 | 7 24.4 | 17.8 |
| 95976 2004 $LY_{17}$ | 15.6 | X | 57.73959 | 263.47246 | 60.94656 | 2.80127 | 0.2174038 | 0.25917719 | 2.4363417 | 20 | 12 29.1 | 19.2 |
| 95977 2004 $LY_{21}$ | 16.4 | X | 197.15789 | 200.89459 | 88.45470 | 6.20989 | 0.2414258 | 0.28029639 | 2.3123721 | 20 | — | — |
| 95978 2004 $LT_{22}$ | 15.3 | X | 155.61151 | 201.51559 | 127.67353 | 9.04629 | 0.2712222 | 0.21401241 | 2.7680679 | 20 | 1 16.9 | 20.0 |
| 95979 2004 $LZ_{25}$ | 16.7 | X | 164.25087 | 155.44870 | 168.73329 | 3.69184 | 0.2482033 | 0.27796814 | 2.3252663 | 20 | 1 8.9 | 20.4 |
| 95980 Haroldhill | 14.9 | X | 138.14116 | 176.11432 | 178.79555 | 14.50405 | 0.2176598 | 0.21285036 | 2.7781335 | 20 | 1 25.7 | 19.5 |
| 95981 2004 $LK_{30}$ | 15.3 | X | 252.77317 | 13.05654 | 239.15291 | 12.19237 | 0.2651541 | 0.22350063 | 2.6891615 | 20 | — | — |
| 95982 Beish | 15.6 | X | 123.12739 | 116.47003 | 244.58406 | 8.76603 | 0.2833530 | 0.27424625 | 2.3462570 | 20 | 1 18.2 | 18.9 |
| 95983 2004 $MB_{7}$ | 14.9 | X | 219.10139 | 160.32110 | 141.61122 | 14.07508 | 0.2141184 | 0.22408787 | 2.6844613 | 20 | 1 30.0 | 19.6 |
| 95984 2004 $NT_{1}$ | 14.6 | X | 323.32991 | 202.11113 | 120.12037 | 17.47659 | 0.1262111 | 0.18141329 | 3.0904614 | 20 | 7 5.8 | 18.4 |
| 95985 2004 $NV_{1}$ | 15.9 | X | 98.04627 | 41.28967 | 309.53375 | 8.24967 | 0.2499327 | 0.26925630 | 2.3751560 | 20 | — | — |
| 95986 2004 $NU_{2}$ | 15.6 | X | 175.52841 | 121.73142 | 176.06672 | 4.91519 | 0.0888038 | 0.21395165 | 2.7685919 | 20 | — | — |
| 95987 2004 $NH_{3}$ | 16.0 | X | 102.74374 | 336.39155 | 32.61402 | 4.45172 | 0.2505999 | 0.27134835 | 2.3629322 | 20 | — | — |
| 95988 2004 $NJ_{4}$ | 14.9 | X | 156.25159 | 73.09956 | 276.92124 | 22.57099 | 0.2448825 | 0.27536561 | 2.3398944 | 20 | 1 27.3 | 18.9 |
| 95989 2004 $NT_{4}$ | 15.5 | X | 338.57152 | 328.33885 | 277.85299 | 9.76719 | 0.0857123 | 0.23510120 | 2.5999569 | 20 | 4 14.5 | 18.8 |
| 95990 2004 $NC_{7}$ | 14.4 | X | 329.35208 | 179.05094 | 153.72836 | 18.25287 | 0.1842789 | 0.17818684 | 3.1276559 | 20 | 7 24.1 | 18.0 |
| 95991 2004 $ND_{7}$ | 15.2 | X | 222.04846 | 242.12324 | 115.63130 | 7.91334 | 0.2563883 | 0.22586993 | 2.6703228 | 20 | 4 9.4 | 20.0 |
| 95992 2004 $NF_{8}$ | 16.4 | X | 254.91687 | 232.89415 | 140.90802 | 14.43968 | 0.1992885 | 0.23804881 | 2.5784499 | 20 | 6 1.6 | 20.5 |
| 95993 2004 $NG_{10}$ | 15.3 | X | 157.85516 | 345.13210 | 309.57030 | 12.43815 | 0.1475973 | 0.21205443 | 2.7850809 | 20 | — | — |
| 95994 2004 $NB_{11}$ | 14.7 | X | 55.58423 | 261.99479 | 134.06878 | 11.33376 | 0.2528778 | 0.20570688 | 2.8420835 | 20 | — | — |
| 95995 2004 $NC_{11}$ | 14.7 | X | 169.11661 | 195.64896 | 131.70498 | 10.00161 | 0.1467482 | 0.15562827 | 3.4230275 | 20 | 1 24.7 | 20.1 |
| 95996 2004 $NR_{12}$ | 16.0 | X | 11.94845 | 324.00753 | 18.76308 | 2.98560 | 0.2070339 | 0.25449913 | 2.4661066 | 20 | 11 23.9 | 18.7 |
| 95997 2004 $NZ_{16}$ | 14.4 | X | 284.67432 | 221.95834 | 123.36182 | 17.30423 | 0.1069483 | 0.17660056 | 3.1463570 | 20 | 6 13.0 | 18.9 |
| 95998 2004 $NP_{17}$ | 14.8 | X | 298.55293 | 259.88751 | 145.82631 | 12.48922 | 0.1780775 | 0.18863519 | 3.0110704 | 20 | 9 11.9 | 18.3 |
| 95999 2004 $NX_{21}$ | 16.3 | X | 173.65289 | 181.29729 | 133.60506 | 13.42147 | 0.1735007 | 0.27832010 | 2.3233056 | 20 | — | — |
| 96000 2004 $NU_{22}$ | 16.3 | X | 284.25067 | 347.02664 | 288.83927 | 6.24915 | 0.1438455 | 0.29267927 | 2.2466810 | 20 | 2 24.1 | 19.3 |