| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32001 Golbin | 15.5 | X | 355.29491 | 136.34155 | 169.45947 | 2.28845 | 0.1968969 | 0.23947629 | 2.5681932 | 21 | 7 31.0 | 17.6 |
| 32002 Gorokhovsky | 15.2 | X | 164.37372 | 156.59159 | 153.75157 | 2.18444 | 0.1867197 | 0.26205046 | 2.4185001 | 21 | — | — |
| 32003 2000 $HN_{51}$ | 13.8 | X | 261.11313 | 109.82617 | 213.63108 | 7.37412 | 0.1078310 | 0.18421170 | 3.0590829 | 21 | 4 6.8 | 18.3 |
| 32004 2000 $HR_{51}$ | 15.2 | X | 196.49200 | 82.91001 | 185.55817 | 2.16444 | 0.2018172 | 0.26156508 | 2.4214911 | 21 | — | — |
| 32005 Roberthalfon | 15.5 | X | 7.56059 | 310.95836 | 47.32314 | 1.97614 | 0.1228973 | 0.29545639 | 2.2325805 | 21 | 11 20.9 | 17.7 |
| 32006 Hallisey | 16.0 | X | 311.54821 | 32.44629 | 219.97603 | 6.27041 | 0.1092533 | 0.27551673 | 2.3390387 | 21 | 2 21.2 | 19.1 |
| 32007 Amirhelmy | 15.8 | X | 334.45216 | 322.79594 | 66.81623 | 6.20747 | 0.1468729 | 0.29578377 | 2.2309328 | 21 | 11 9.2 | 17.4 |
| 32008 Adriángalád | 14.5 | X | 71.21483 | 144.07827 | 221.80815 | 6.30383 | 0.1926147 | 0.30364066 | 2.1922804 | 21 | — | — |
| 32009 2000 $HN_{54}$ | 14.2 | X | 45.26898 | 249.75973 | 65.59874 | 8.18605 | 0.1586937 | 0.24706988 | 2.5152984 | 21 | 11 14.8 | 17.3 |
| 32010 2000 $HW_{54}$ | 14.8 | X | 232.32353 | 253.41719 | 61.32622 | 5.93678 | 0.2255450 | 0.27021061 | 2.3695604 | 21 | 2 15.0 | 18.8 |
| 32011 2000 $HF_{56}$ | 13.4 | X | 299.94340 | 257.56662 | 51.25917 | 11.70355 | 0.1088800 | 0.18864353 | 3.0109817 | 21 | 5 6.4 | 17.3 |
| 32012 2000 $HE_{57}$ | 14.7 | X | 306.58692 | 86.85680 | 199.75651 | 14.78669 | 0.1297491 | 0.23235474 | 2.6204047 | 21 | 4 7.6 | 17.9 |
| 32013 2000 $HJ_{57}$ | 15.7 | X | 190.01792 | 120.17450 | 174.00907 | 6.28246 | 0.1455086 | 0.26438925 | 2.4042162 | 21 | — | — |
| 32014 Bida | 14.9 | X | 50.54307 | 2.15557 | 339.14845 | 6.54363 | 0.2446689 | 0.29945005 | 2.2126860 | 21 | — | — |
| 32015 2000 $HC_{67}$ | 15.3 | X | 0.63700 | 238.57314 | 75.86964 | 6.49508 | 0.2519786 | 0.24217479 | 2.5490798 | 21 | 9 7.6 | 17.1 |
| 32016 2000 $HC_{76}$ | 14.6 | X | 245.57207 | 208.34564 | 103.84827 | 4.10365 | 0.2463538 | 0.27227122 | 2.3575897 | 21 | 2 20.2 | 18.6 |
| 32017 2000 $HC_{77}$ | 15.5 | X | 2.92967 | 192.17140 | 131.14228 | 3.11478 | 0.2023712 | 0.24264023 | 2.5458189 | 21 | 9 19.9 | 17.6 |
| 32018 Robhenning | 15.1 | X | 173.98753 | 116.12010 | 223.22412 | 5.58526 | 0.1374786 | 0.27093780 | 2.3653186 | 21 | 1 17.9 | 18.6 |
| 32019 Krithikaiyer | 15.7 | X | 38.06332 | 2.83036 | 259.42898 | 2.03422 | 0.0886525 | 0.24109621 | 2.5566766 | 21 | 8 8.7 | 18.6 |
| 32020 2000 $HZ_{87}$ | 13.6 | X | 198.92663 | 320.25419 | 58.40422 | 14.04286 | 0.1788939 | 0.23092752 | 2.6311902 | 21 | 4 12.9 | 18.1 |
| 32021 Lilyjenkins | 14.6 | X | 184.10408 | 211.88468 | 67.27935 | 7.96645 | 0.1669024 | 0.26168171 | 2.4207715 | 21 | — | — |
| 32022 Sarahjenkins | 15.6 | X | 128.71728 | 5.51831 | 192.98077 | 6.52453 | 0.0910116 | 0.29290406 | 2.2455313 | 21 | 9 15.2 | 18.6 |
| 32023 2000 $HO_{89}$ | 15.6 | X | 133.49172 | 172.57766 | 172.86002 | 2.23508 | 0.2263052 | 0.26223515 | 2.4173644 | 21 | — | — |
| 32024 2000 $HP_{89}$ | 15.0 | X | 133.42939 | 334.85683 | 51.12712 | 3.30428 | 0.2038084 | 0.26904910 | 2.3763752 | 21 | 2 13.4 | 18.3 |
| 32025 Karanjerath | 15.2 | X | 217.82135 | 332.43750 | 68.45038 | 5.22438 | 0.1584656 | 0.28225363 | 2.3016698 | 21 | 5 20.8 | 18.6 |
| 32026 2000 $HQ_{90}$ | 15.1 | X | 261.83537 | 191.07214 | 167.91159 | 7.21355 | 0.2076456 | 0.23640425 | 2.5903942 | 21 | 5 10.0 | 19.1 |
| 32027 2000 $HO_{100}$ | 14.9 | X | 20.66621 | 313.66941 | 76.93841 | 7.20057 | 0.1404012 | 0.25694190 | 2.4504514 | 21 | — | — |
| 32028 2000 $JU_{12}$ | 16.1 | X | 148.11386 | 87.32735 | 236.02409 | 0.79254 | 0.2072799 | 0.26176237 | 2.4202742 | 21 | — | — |
| 32029 2000 $JJ_{14}$ | 15.2 | X | 218.55188 | 291.22767 | 59.83821 | 9.47192 | 0.2169199 | 0.27390699 | 2.3481940 | 21 | 3 22.3 | 19.2 |
| 32030 2000 $JX_{14}$ | 13.8 | X | 172.57833 | 46.07301 | 60.25437 | 10.89834 | 0.0487477 | 0.19260447 | 2.9695579 | 21 | 6 30.6 | 18.2 |
| 32031 Joyjin | 16.5 | X | 320.73658 | 97.79198 | 186.65500 | 5.66824 | 0.1296025 | 0.28117855 | 2.3075330 | 21 | 4 21.2 | 18.9 |
| 32032 Askandola | 15.5 | X | 338.22000 | 133.91637 | 166.11317 | 4.12162 | 0.0660272 | 0.28598414 | 2.2816100 | 21 | 6 22.8 | 17.9 |
| 32033 Arjunkapoor | 15.0 | X | 146.13070 | 291.10472 | 324.20833 | 2.40238 | 0.1359715 | 0.30010630 | 2.2094592 | 21 | 12 20.1 | 18.3 |
| 32034 Sophiakorner | 15.0 | X | 300.85389 | 187.38945 | 105.10543 | 5.12923 | 0.1440479 | 0.27848794 | 2.3223720 | 21 | 4 2.9 | 17.9 |
| 32035 2000 $JS_{18}$ | 14.1 | X | 326.70115 | 234.16561 | 27.43894 | 12.05026 | 0.1312285 | 0.18417809 | 3.0594550 | 21 | 4 10.7 | 17.9 |
| 32036 2000 $JP_{19}$ | 14.4 | X | 277.26504 | 248.52969 | 96.27940 | 22.71276 | 0.2301778 | 0.28013060 | 2.3132843 | 21 | 5 10.5 | 18.1 |
| 32037 Deepikakurup | 15.6 | X | 107.39639 | 2.81252 | 331.98494 | 2.25195 | 0.1837991 | 0.25844634 | 2.4409326 | 21 | — | — |
| 32038 Kwiecinski | 15.3 | X | 46.16620 | 349.88205 | 337.43961 | 1.94248 | 0.1936310 | 0.29642225 | 2.2277281 | 21 | 12 15.0 | 18.0 |
| 32039 2000 $JO_{23}$ | 14.6 | X | 90.05093 | 353.28322 | 303.81790 | 6.50318 | 0.2819186 | 0.29737228 | 2.2229809 | 21 | 12 26.6 | 18.3 |
| 32040 2000 $JH_{26}$ | 15.2 | X | 204.73942 | 32.08231 | 307.05826 | 4.72424 | 0.2760059 | 0.27045139 | 2.3681538 | 21 | 2 20.1 | 19.4 |
| 32041 2000 $JP_{26}$ | 14.7 | X | 179.32803 | 69.90938 | 269.05434 | 7.85573 | 0.2199909 | 0.26778191 | 2.3838663 | 21 | 1 28.6 | 18.6 |
| 32042 2000 $JZ_{26}$ | 15.9 | X | 357.79315 | 166.34594 | 318.62250 | 3.26415 | 0.0776261 | 0.31403063 | 2.1436541 | 21 | — | — |
| 32043 2000 $JO_{27}$ | 14.5 | X | 319.26285 | 87.06209 | 290.55707 | 3.52219 | 0.1978236 | 0.24587986 | 2.5234076 | 21 | 8 29.9 | 16.8 |
| 32044 Lakmazaheri | 15.3 | X | 355.99189 | 37.83625 | 275.21986 | 3.20596 | 0.1981362 | 0.28740267 | 2.2740963 | 21 | 8 18.5 | 16.6 |
| 32045 2000 $JD_{28}$ | 14.8 | X | 55.36274 | 116.66228 | 254.11008 | 4.70144 | 0.2172223 | 0.25674297 | 2.4517170 | 21 | — | — |
| 32046 2000 $JR_{28}$ | 14.5 | X | 233.77415 | 51.62497 | 249.64430 | 9.73064 | 0.2102395 | 0.27002669 | 2.3706362 | 21 | 1 25.9 | 18.7 |
| 32047 Wenjiali | 15.2 | X | 352.51092 | 354.07337 | 310.32597 | 4.39439 | 0.1748014 | 0.23937110 | 2.5689456 | 21 | 7 22.9 | 17.4 |
| 32048 Kathyliu | 15.1 | X | 286.87229 | 286.81991 | 301.56004 | 1.49540 | 0.1686760 | 0.26971664 | 2.3724526 | 21 | — | — |
| 32049 Jonathanma | 14.9 | X | 297.20489 | 14.49797 | 249.43046 | 5.56004 | 0.1038098 | 0.27482371 | 2.3429692 | 21 | 2 18.9 | 18.0 |
| 32050 2000 $JA_{37}$ | 14.6 | X | 335.17278 | 129.35862 | 40.86078 | 6.48951 | 0.0984937 | 0.26874157 | 2.3781878 | 21 | — | — |
| 32051 Sadhikamalladi | 15.1 | X | 102.73690 | 285.17567 | 56.44429 | 5.76655 | 0.1220624 | 0.25765674 | 2.4459170 | 21 | — | — |
| 32052 Diyamathur | 15.1 | X | 350.29318 | 19.01342 | 42.59016 | 6.49322 | 0.0179456 | 0.30207276 | 2.1998598 | 21 | — | — |
| 32053 Demetrimaxim | 15.0 | X | 46.22784 | 302.88530 | 60.05468 | 4.06426 | 0.1783510 | 0.29900092 | 2.2149013 | 21 | — | — |
| 32054 Musunuri | 14.8 | X | 34.56786 | 156.93199 | 51.97345 | 5.45683 | 0.0903639 | 0.28066661 | 2.3103382 | 21 | 5 13.5 | 17.0 |
| 32055 2000 $JS_{39}$ | 14.9 | X | 330.11245 | 246.48085 | 63.08319 | 1.40320 | 0.2730188 | 0.18945216 | 3.0024078 | 21 | 5 29.3 | 17.9 |
| 32056 Abrarnadroo | 16.0 | X | 213.50542 | 179.57609 | 208.75207 | 5.39632 | 0.0707825 | 0.28237873 | 2.3009900 | 21 | 5 2.8 | 19.1 |
| 32057 Ethannovek | 15.9 | X | 83.65555 | 38.71211 | 277.29638 | 1.72719 | 0.1209677 | 0.25440415 | 2.4667204 | 21 | 12 25.7 | 19.4 |
| 32058 Charlesnoyes | 14.8 | X | 85.75469 | 244.45048 | 62.45793 | 4.31077 | 0.1990489 | 0.20425778 | 2.8555097 | 21 | 12 15.5 | 19.3 |
| 32059 Ruchipandya | 15.3 | X | 165.69005 | 17.76191 | 228.33020 | 3.96250 | 0.1199258 | 0.30191210 | 2.2006402 | 21 | 12 29.1 | 18.4 |
| 32060 Wyattpontius | 14.4 | X | 28.69612 | 228.22710 | 100.67780 | 1.41231 | 0.1886711 | 0.19903246 | 2.9052719 | 21 | 11 4.6 | 17.8 |
| 32061 2000 $JK_{48}$ | 14.5 | X | 217.59632 | 208.95378 | 21.66525 | 10.48415 | 0.1788469 | 0.26106572 | 2.4245779 | 21 | — | — |
| 32062 Amolpunjabi | 16.3 | X | 36.88719 | 292.89110 | 230.19281 | 2.35744 | 0.1135415 | 0.27718064 | 2.3296685 | 21 | 3 7.7 | 18.3 |
| 32063 Pusapaty | 14.5 | X | 76.20781 | 323.71293 | 283.01760 | 5.64543 | 0.0710460 | 0.24399889 | 2.5363595 | 21 | 9 7.1 | 17.9 |
| 32064 2000 $JU_{51}$ | 14.6 | X | 284.33318 | 19.76388 | 256.96151 | 10.03295 | 0.1761019 | 0.27365225 | 2.3496511 | 21 | 2 10.3 | 18.3 |
| 32065 Radulovacki | 14.8 | X | 295.69565 | 19.83162 | 266.87415 | 9.59394 | 0.1366295 | 0.27644952 | 2.3337741 | 21 | 3 11.9 | 18.1 |
| 32066 Ramayya | 14.9 | X | 5.20188 | 196.29411 | 26.89793 | 7.35711 | 0.0539936 | 0.27858499 | 2.3218326 | 21 | 4 13.7 | 17.4 |
| 32067 Ranganathan | 15.0 | X | 50.08031 | 181.73264 | 79.79693 | 7.32626 | 0.0786956 | 0.28852988 | 2.2681695 | 21 | 9 2.9 | 17.6 |
| 32068 2000 $JE_{58}$ | 14.5 | X | 251.32067 | 347.92758 | 219.02142 | 13.14258 | 0.1355435 | 0.21549865 | 2.7553261 | 21 | — | — |
| 32069 Mayarao | 14.7 | X | 295.01736 | 190.32683 | 29.49998 | 7.33650 | 0.0498756 | 0.26958893 | 2.3732019 | 21 | — | — |
| 32070 Michaelretchin | 15.6 | X | 345.39976 | 280.65916 | 64.05295 | 4.63896 | 0.1397191 | 0.28951008 | 2.2630471 | 21 | 9 19.9 | 17.4 |
| 32071 Matthewretchin | 14.5 | X | 327.58298 | 240.60358 | 52.32681 | 7.34868 | 0.0739441 | 0.23476212 | 2.6024598 | 21 | 5 25.9 | 17.7 |
| 32072 Revanur | 14.2 | X | 323.82988 | 193.03403 | 121.86273 | 1.03784 | 0.1723932 | 0.18919676 | 3.0051092 | 21 | 6 9.7 | 17.7 |
| 32073 Cassidyryan | 15.0 | X | 171.61210 | 180.78671 | 66.76599 | 5.84344 | 0.1367826 | 0.25565511 | 2.4586671 | 21 | 12 27.8 | 18.7 |
| 32074 Kevinsadhu | 15.3 | X | 107.64168 | 177.91696 | 116.33709 | 0.51993 | 0.1264028 | 0.29938392 | 2.2130118 | 21 | 12 31.4 | 18.6 |
| 32075 2000 $JU_{66}$ | 13.8 | X | 194.75348 | 238.36963 | 174.51202 | 9.97526 | 0.1020082 | 0.18868708 | 3.0105183 | 21 | 5 20.7 | 18.6 |
| 32076 2000 $JA_{70}$ | 15.6 | X | 11.82386 | 37.73831 | 145.83046 | 13.17958 | 0.0956471 | 0.27549389 | 2.3391679 | 21 | 2 23.2 | 18.0 |
| 32077 2000 $JW_{72}$ | 15.6 | X | 37.20683 | 123.35273 | 129.02822 | 4.78825 | 0.1169422 | 0.28659571 | 2.2783630 | 21 | 7 30.6 | 17.7 |
| 32078 Jamesavoldelli | 15.7 | X | 37.66645 | 121.08069 | 133.53378 | 4.91355 | 0.0795338 | 0.28664347 | 2.2781099 | 21 | 7 29.1 | 17.9 |
| 32079 Hughsavoldelli | 15.3 | X | 73.43996 | 140.45472 | 131.75606 | 7.54302 | 0.1568985 | 0.29255895 | 2.2472969 | 21 | 11 1.5 | 18.4 |
| 32080 Sanashareef | 14.5 | X | 354.79861 | 25.61495 | 248.82716 | 3.78117 | 0.1836981 | 0.28223684 | 2.3017611 | 21 | 6 5.3 | 15.7 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32081 2000 $JT_{77}$ | 15.3 | $X$ | 220.97867 | 284.02306 | 359.56329 | 6.07923 | 0.0844639 | 0.31432485 | 2.1423162 | 21 | — | — |
| 32082 Sominsky | 15.3 | $X$ | 290.57986 | 151.73854 | 142.84122 | 1.99409 | 0.1335196 | 0.18400431 | 3.0613811 | 21 | 4 3.3 | 19.7 |
| 32083 2000 $KO$ | 14.8 | $X$ | 23.69517 | 193.33158 | 128.23564 | 4.72728 | 0.2542521 | 0.24381340 | 2.5376458 | 21 | 11 7.7 | 17.5 |
| 32084 2000 $KP_5$ | 15.6 | $X$ | 138.63467 | 157.10482 | 170.63150 | 6.54165 | 0.1386860 | 0.26091853 | 2.4254897 | 21 | — | — |
| 32085 Tomback | 14.8 | $X$ | 294.96034 | 101.70099 | 170.58869 | 3.57689 | 0.1494178 | 0.22709481 | 2.6607122 | 21 | 3 2.8 | 18.5 |
| 32086 Viviannetu | 14.5 | $X$ | 280.40628 | 356.26020 | 245.74896 | 4.61440 | 0.1310152 | 0.17602501 | 3.1532117 | 21 | 1 18.9 | 19.2 |
| 32087 Vemulapalli | 14.2 | $X$ | 13.31922 | 88.95595 | 258.31123 | 0.88623 | 0.0902522 | 0.20030787 | 2.8929264 | 21 | 10 22.3 | 17.9 |
| 32088 Liamwallace | 14.8 | $X$ | 239.15297 | 184.51756 | 51.55269 | 4.64098 | 0.0578550 | 0.21657011 | 2.7462308 | 21 | — | — |
| 32089 Wojtania | 15.5 | $X$ | 256.22997 | 70.62637 | 171.45672 | 1.29297 | 0.1455350 | 0.26596943 | 2.3946841 | 21 | — | — |
| 32090 Craigworley | 14.8 | $X$ | 264.87011 | 231.93804 | 68.09048 | 9.04252 | 0.1277021 | 0.27311474 | 2.3527329 | 21 | 3 5.9 | 18.3 |
| 32091 Jasonwu | 15.2 | $X$ | 326.16859 | 91.35196 | 193.91197 | 1.54151 | 0.1097711 | 0.27965635 | 2.3158989 | 21 | 5 4.3 | 17.7 |
| 32092 Brianxia | 15.0 | $X$ | 357.07232 | 216.44847 | 93.56686 | 0.63299 | 0.1396107 | 0.23880898 | 2.5729753 | 21 | 8 10.7 | 17.5 |
| 32093 Zhengyan | 15.7 | $X$ | 318.68322 | 49.86334 | 228.03555 | 2.12978 | 0.1182676 | 0.27761268 | 2.3272508 | 21 | 4 8.9 | 18.2 |
| 32094 2000 $KX_{32}$ | 14.6 | $X$ | 335.79789 | 250.67759 | 355.22991 | 0.87337 | 0.2333874 | 0.18256360 | 3.0774660 | 21 | 3 20.1 | 18.0 |
| 32095 2000 $KG_{38}$ | 14.9 | $X$ | 190.70816 | 243.12507 | 128.74798 | 4.24686 | 0.0652734 | 0.22778833 | 2.6553090 | 21 | 3 22.4 | 18.7 |
| 32096 Puckett | 14.9 | $X$ | 25.84253 | 110.90476 | 203.41557 | 2.45463 | 0.1524424 | 0.24208455 | 2.5497132 | 21 | 10 12.7 | 17.8 |
| 32097 2000 $KN_{39}$ | 14.8 | $X$ | 159.20911 | 204.14108 | 168.76126 | 3.90187 | 0.1025055 | 0.22375437 | 2.6871281 | 21 | 2 18.3 | 18.7 |
| 32098 2000 $KB_{43}$ | 15.3 | $X$ | 52.59497 | 23.02029 | 117.22197 | 4.77467 | 0.1007020 | 0.27553069 | 2.3389596 | 21 | 3 5.7 | 17.6 |
| 32099 2000 $KA_{48}$ | 14.4 | $X$ | 351.61578 | 161.31981 | 125.46313 | 14.52741 | 0.1550760 | 0.23561727 | 2.5961591 | 21 | 6 23.9 | 17.1 |
| 32100 2000 $KU_{48}$ | 15.9 | $X$ | 193.30977 | 170.79999 | 121.13806 | 4.03620 | 0.2007853 | 0.26313389 | 2.4118568 | 21 | — | — |
| 32101 Williamyin | 14.7 | $X$ | 28.76008 | 297.87993 | 28.88416 | 1.20827 | 0.2021375 | 0.24426502 | 2.5345169 | 21 | 11 12.1 | 17.4 |
| 32102 2000 $KB_{52}$ | 15.1 | $X$ | 225.59021 | 153.15094 | 151.96802 | 2.76607 | 0.1670044 | 0.22344944 | 2.6895722 | 21 | 2 2.1 | 19.6 |
| 32103 2000 $KF_{52}$ | 14.8 | $X$ | 204.83382 | 277.40690 | 73.76974 | 5.27432 | 0.2534512 | 0.27217834 | 2.3581260 | 21 | 3 9.7 | 18.9 |
| 32104 2000 $KR_{52}$ | 15.5 | $X$ | 80.75661 | 150.47536 | 167.69423 | 5.22821 | 0.1856778 | 0.25276253 | 2.4773893 | 21 | 12 30.6 | 19.4 |
| 32105 2000 $KT_{52}$ | 15.6 | $X$ | 212.73056 | 88.39053 | 184.99827 | 5.45918 | 0.1008726 | 0.26556717 | 2.3971017 | 21 | — | — |
| 32106 2000 $KD_{58}$ | 15.7 | $X$ | 48.42620 | 170.05038 | 111.84580 | 6.89421 | 0.1794854 | 0.24452621 | 2.5327118 | 21 | 10 11.1 | 18.9 |
| 32107 Ylitalo | 15.9 | $X$ | 156.01740 | 345.33595 | 105.69129 | 3.88261 | 0.0373755 | 0.28245881 | 2.3005550 | 21 | 5 17.7 | 18.7 |
| 32108 Jovanzhang | 15.2 | $X$ | 200.96856 | 308.24603 | 90.42038 | 7.65466 | 0.1083090 | 0.28065741 | 2.3103886 | 21 | 5 4.2 | 18.6 |
| 32109 2000 $KQ_{70}$ | 15.7 | $X$ | 240.74326 | 209.35855 | 353.58923 | 4.51882 | 0.1725579 | 0.26182002 | 2.4199189 | 21 | — | — |
| 32110 2000 $KA_{73}$ | 13.8 | $X$ | 265.13014 | 206.00813 | 169.77225 | 13.75709 | 0.2075956 | 0.22958810 | 2.6414139 | 21 | 6 4.5 | 18.0 |
| 32111 2000 $KD_{73}$ | 14.3 | $X$ | 297.31389 | 106.64863 | 173.48119 | 5.68847 | 0.1614440 | 0.22446285 | 2.6814707 | 21 | 3 14.6 | 18.1 |
| 32112 2000 $KK_{73}$ | 14.0 | $X$ | 177.85983 | 92.65365 | 261.44896 | 7.72454 | 0.1608817 | 0.21620798 | 2.7492964 | 21 | 2 16.2 | 18.5 |
| 32113 2000 $KP_{73}$ | 14.1 | $X$ | 354.33465 | 86.26629 | 219.28376 | 9.33165 | 0.1061383 | 0.18761179 | 3.0220104 | 21 | 7 23.6 | 18.0 |
| 32114 2000 $KY_{75}$ | 14.2 | $X$ | 106.64311 | 310.73937 | 96.62230 | 13.93019 | 0.1613611 | 0.22256335 | 2.6967061 | 21 | 2 12.0 | 17.9 |
| 32115 2000 $KQ_{80}$ | 15.5 | $X$ | 353.23575 | 163.20218 | 90.75658 | 5.14942 | 0.2534649 | 0.27956837 | 2.3163847 | 21 | 4 19.0 | 17.0 |
| 32116 2000 $LD_4$ | 13.6 | $X$ | 261.97598 | 314.25300 | 129.07943 | 15.35320 | 0.0685368 | 0.24411288 | 2.5355699 | 21 | 9 24.5 | 17.1 |
| 32117 2000 $LD_5$ | 14.6 | $X$ | 175.36017 | 103.03620 | 177.76142 | 7.58297 | 0.2031693 | 0.21143568 | 2.7905118 | 21 | — | — |
| 32118 2000 $LW_5$ | 15.5 | $X$ | 219.98897 | 287.19187 | 320.63928 | 2.28783 | 0.1268579 | 0.26185015 | 2.4197333 | 21 | — | — |
| 32119 2000 $LM_7$ | 13.9 | $X$ | 26.57396 | 86.25068 | 156.24823 | 10.46413 | 0.0577347 | 0.18553766 | 3.0444908 | 21 | 6 21.2 | 18.0 |
| 32120 Stevezheng | 14.8 | $X$ | 226.74565 | 282.59621 | 298.91674 | 1.25865 | 0.1619143 | 0.25985764 | 2.4320867 | 21 | — | — |
| 32121 Joshuazhou | 15.1 | $X$ | 303.49203 | 154.79063 | 120.43325 | 3.57459 | 0.0666939 | 0.27538035 | 2.3398109 | 21 | 3 25.0 | 18.0 |
| 32122 2000 $LD_{10}$ | 14.4 | $X$ | 258.64370 | 245.38318 | 87.93838 | 14.26771 | 0.3318585 | 0.27089825 | 2.3655488 | 21 | 3 29.4 | 18.8 |
| 32123 2000 $LO_{10}$ | 13.4 | $X$ | 310.43456 | 352.24837 | 235.21254 | 15.17273 | 0.1743435 | 0.17338749 | 3.1851083 | 21 | 1 25.8 | 18.3 |
| 32124 2000 $LH_{11}$ | 14.3 | $X$ | 280.20762 | 96.36845 | 230.67984 | 21.48327 | 0.0471496 | 0.23140432 | 2.6275747 | 21 | 5 9.4 | 17.7 |
| 32125 2000 $LZ_{11}$ | 12.5 | $X$ | 138.25855 | 151.75998 | 245.02953 | 20.59156 | 0.0132430 | 0.17269267 | 3.1936460 | 21 | 2 12.9 | 17.5 |
| 32126 2000 $LF_{12}$ | 13.8 | $X$ | 267.51652 | 0.20037 | 244.66536 | 14.05055 | 0.1212429 | 0.26332220 | 2.4107068 | 21 | — | — |
| 32127 2000 $LK_{12}$ | 14.0 | $X$ | 302.32992 | 98.77788 | 202.95966 | 11.93716 | 0.0929410 | 0.18001814 | 3.1064083 | 21 | 5 3.9 | 18.3 |
| 32128 Jayzussman | 14.7 | $X$ | 34.99965 | 47.58305 | 204.26956 | 6.44633 | 0.1183876 | 0.28361894 | 2.2942772 | 21 | 7 23.5 | 17.1 |
| 32129 2000 $LV_{14}$ | 14.0 | $X$ | 101.58655 | 59.85800 | 267.25349 | 8.31015 | 0.1551386 | 0.25090135 | 2.4896256 | 21 | — | — |
| 32130 2000 $LN_{16}$ | 14.2 | $X$ | 267.77549 | 132.20488 | 180.94852 | 13.72832 | 0.0536663 | 0.22346791 | 2.6894240 | 21 | 4 6.2 | 17.9 |
| 32131 Ravindran | 15.4 | $X$ | 221.50803 | 120.63074 | 151.01020 | 6.95824 | 0.1012018 | 0.26552742 | 2.3973409 | 21 | — | — |
| 32132 Andrewamini | 14.6 | $X$ | 318.39866 | 204.51905 | 126.26371 | 6.88025 | 0.1672274 | 0.28402203 | 2.2921060 | 21 | 6 21.1 | 16.8 |
| 32133 2000 $LU_{16}$ | 14.5 | $X$ | 84.11140 | 335.05358 | 205.42207 | 12.50630 | 0.0857191 | 0.23655722 | 2.5892774 | 21 | 6 22.3 | 18.1 |
| 32134 2000 $LQ_{17}$ | 13.7 | $X$ | 36.31912 | 2.26230 | 274.27189 | 15.19058 | 0.1235026 | 0.23680663 | 2.5874590 | 21 | 8 23.4 | 17.1 |
| 32135 2000 $LF_{18}$ | 12.7 | $X$ | 189.68232 | 240.30556 | 130.40598 | 23.95248 | 0.1254705 | 0.17524659 | 3.1625423 | 21 | 4 1.2 | 18.1 |
| 32136 2000 $LN_{18}$ | 13.7 | $X$ | 59.62728 | 258.87919 | 226.53251 | 7.41244 | 0.0648899 | 0.22160030 | 2.7045135 | 21 | 2 26.9 | 17.2 |
| 32137 2000 $LM_{19}$ | 13.7 | $X$ | 177.77159 | 79.30799 | 237.81868 | 7.76824 | 0.1987111 | 0.21297144 | 2.7770805 | 21 | 1 8.6 | 18.3 |
| 32138 2000 $LQ_{19}$ | 13.4 | $X$ | 28.47638 | 119.13272 | 219.29023 | 9.72510 | 0.1724518 | 0.24266913 | 2.5456168 | 21 | 11 23.1 | 16.3 |
| 32139 2000 $LT_{19}$ | 14.0 | $X$ | 260.85611 | 86.32202 | 248.61630 | 11.67529 | 0.2035667 | 0.22534076 | 2.6745017 | 21 | 4 3.9 | 18.5 |
| 32140 2000 $LF_{21}$ | 14.1 | $X$ | 158.00296 | 126.67507 | 215.63919 | 7.87427 | 0.2186480 | 0.21120821 | 2.7925150 | 21 | 1 21.8 | 18.8 |
| 32141 2000 $LB_{24}$ | 13.9 | $X$ | 93.19169 | 238.54803 | 205.61210 | 21.29215 | 0.0650888 | 0.22298112 | 2.6933367 | 21 | 2 18.0 | 17.8 |
| 32142 2000 $LU_{26}$ | 14.3 | $X$ | 221.38627 | 102.87200 | 245.11502 | 8.23214 | 0.1865280 | 0.22000248 | 2.7175925 | 21 | 3 17.8 | 18.9 |
| 32143 2000 $LA_{27}$ | 13.3 | $X$ | 232.16768 | 344.66413 | 282.07740 | 15.02288 | 0.1496294 | 0.26099382 | 2.4250232 | 21 | — | — |
| 32144 2000 $LA_{29}$ | 13.9 | $X$ | 135.70529 | 110.23238 | 300.68027 | 6.58047 | 0.2240658 | 0.21456662 | 2.7632994 | 21 | 3 23.0 | 18.4 |
| 32145 Katberman | 14.6 | $X$ | 244.86174 | 139.58353 | 105.89716 | 9.02246 | 0.1758114 | 0.26259080 | 2.4151812 | 21 | — | — |
| 32146 Paigebrown | 14.6 | $X$ | 205.04709 | 127.47020 | 243.96983 | 7.08592 | 0.1316889 | 0.27022910 | 2.3694523 | 21 | 3 28.8 | 18.3 |
| 32147 2000 $LW_{30}$ | 14.3 | $X$ | 54.04118 | 294.08363 | 69.89273 | 10.96418 | 0.1630866 | 0.25467729 | 2.4649564 | 21 | — | — |
| 32148 2000 $LX_{30}$ | 15.5 | $X$ | 150.14911 | 141.82293 | 192.03212 | 2.41772 | 0.1972106 | 0.26239022 | 2.4164118 | 21 | — | — |
| 32149 2000 $LY_{30}$ | 15.1 | $X$ | 215.75630 | 159.32760 | 192.43664 | 8.04494 | 0.1888117 | 0.27382541 | 2.3486604 | 21 | 3 15.1 | 19.0 |
| 32150 2000 $LJ_{31}$ | 13.6 | $X$ | 352.89811 | 49.51623 | 290.37984 | 5.65407 | 0.2375089 | 0.18955179 | 3.0013556 | 21 | 9 9.8 | 16.5 |
| 32151 2000 $LX_{31}$ | 15.2 | $X$ | 306.09166 | 116.09091 | 135.25560 | 2.80052 | 0.1839687 | 0.27034613 | 2.3687685 | 21 | 2 5.7 | 18.1 |
| 32152 2000 $LK_{34}$ | 14.5 | $X$ | 41.66043 | 89.85012 | 184.21898 | 6.59945 | 0.2266818 | 0.19094679 | 2.9867197 | 21 | 9 17.2 | 18.1 |
| 32153 2000 $LM_{34}$ | 13.7 | $X$ | 209.66915 | 145.60615 | 157.48977 | 10.76184 | 0.1954240 | 0.21451199 | 2.7637685 | 21 | 1 18.0 | 18.4 |
| 32154 2000 $MH$ | 14.2 | $X$ | 218.88765 | 97.00729 | 263.89653 | 20.83575 | 0.2674098 | 0.27183323 | 2.3601215 | 21 | 3 18.9 | 18.9 |
| 32155 2000 $MN$ | 15.5 | $X$ | 293.45066 | 239.51743 | 141.90546 | 4.40747 | 0.1860207 | 0.24071439 | 2.5593795 | 21 | 7 20.3 | 18.5 |
| 32156 2000 $MY$ | 15.3 | $X$ | 268.14619 | 353.08217 | 294.90984 | 4.62279 | 0.0813210 | 0.27123252 | 2.3636049 | 21 | 2 20.3 | 18.5 |
| 32157 2000 $MR_1$ | 15.1 | $X$ | 204.59418 | 357.41360 | 316.08774 | 1.61361 | 0.1913906 | 0.21666078 | 2.7454646 | 21 | 1 26.7 | 19.5 |
| 32158 2000 $MD_2$ | 13.8 | $X$ | 359.59737 | 277.82431 | 81.69591 | 6.08469 | 0.2762264 | 0.24180876 | 2.5516515 | 21 | 11 18.6 | 15.8 |
| 32159 2000 $MR_2$ | 14.0 | $X$ | 284.09757 | 235.99666 | 68.59528 | 1.83160 | 0.1471155 | 0.17934413 | 3.1141864 | 21 | 4 6.7 | 18.4 |
| 32160 2000 $MT_2$ | 15.2 | $X$ | 85.57565 | 211.72743 | 210.67670 | 2.55364 | 0.1563202 | 0.26191969 | 2.4193049 | 21 | 1 17.2 | 17.5 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32161 2000 $MR_3$ | 13.9 | X | 209.21557 | 9.12353 | 270.75419 | 8.10769 | 0.1229689 | 0.21602894 | 2.7508153 | 21 | — | — |
| 32162 2000 $MV_5$ | 13.1 | X | 87.66993 | 86.89996 | 275.92343 | 12.33771 | 0.1472246 | 0.20253405 | 2.8716887 | 21 | — | — |
| 32163 Claireburch | 14.7 | X | 299.03765 | 172.39852 | 154.29372 | 5.13786 | 0.1491574 | 0.28097230 | 2.3086621 | 21 | 5 17.1 | 17.4 |
| 32164 2000 $NW_4$ | 13.7 | X | 11.08123 | 225.05046 | 114.79012 | 14.09020 | 0.1938299 | 0.24034523 | 2.5619995 | 21 | 11 5.4 | 16.7 |
| 32165 2000 $NY_5$ | 14.9 | X | 103.84036 | 275.39808 | 147.01047 | 8.02193 | 0.2144499 | 0.21351755 | 2.7723432 | 21 | 3 6.8 | 18.7 |
| 32166 2000 $NN_6$ | 14.9 | X | 248.96465 | 278.43979 | 268.81607 | 5.14129 | 0.0466591 | 0.25318145 | 2.4746557 | 21 | — | — |
| 32167 2000 $NU_8$ | 15.0 | X | 215.86992 | 261.50915 | 172.87800 | 4.42888 | 0.2013400 | 0.27790276 | 2.3256310 | 21 | 6 29.7 | 18.7 |
| 32168 2000 $NP_9$ | 14.7 | X | 238.03399 | 256.02978 | 118.13550 | 6.95071 | 0.1264723 | 0.27411279 | 2.3470185 | 21 | 5 11.0 | 18.1 |
| 32169 2000 $NT_9$ | 14.3 | X | 287.25389 | 86.75985 | 196.70306 | 10.75498 | 0.1150818 | 0.22552856 | 2.6730168 | 21 | 3 11.0 | 18.1 |
| 32170 2000 $NU_9$ | 13.6 | X | 175.78134 | 36.21715 | 196.37617 | 13.87979 | 0.1167079 | 0.20607049 | 2.8387394 | 21 | 12 7.7 | 18.2 |
| 32171 2000 $ND_{10}$ | 14.7 | X | 314.44850 | 216.32021 | 346.06971 | 22.93991 | 0.1695223 | 0.26620662 | 2.3932615 | 21 | — | — |
| 32172 2000 $NB_{11}$ | 13.9 | X | 233.10222 | 106.41697 | 194.26902 | 1.41327 | 0.1942014 | 0.17092316 | 3.2156500 | 21 | 2 8.7 | 19.2 |
| 32173 2000 $NF_{12}$ | 13.3 | X | 336.91695 | 153.90791 | 243.30988 | 14.13861 | 0.1775223 | 0.19145626 | 2.9814189 | 21 | 10 27.3 | 16.6 |
| 32174 2000 $NW_{12}$ | 14.9 | X | 194.38347 | 138.47986 | 198.80526 | 5.07949 | 0.0799131 | 0.21583567 | 2.7524572 | 21 | 2 10.4 | 19.1 |
| 32175 2000 $NF_{14}$ | 14.1 | X | 2.44319 | 72.80135 | 145.36321 | 14.45740 | 0.1889213 | 0.17780543 | 3.1321270 | 21 | 4 14.0 | 17.7 |
| 32176 2000 $NS_{14}$ | 14.5 | X | 161.21318 | 181.36872 | 317.69987 | 7.66999 | 0.0862546 | 0.27991357 | 2.3144799 | 21 | 8 2.7 | 17.8 |
| 32177 2000 $NZ_{14}$ | 13.8 | X | 24.75570 | 37.16386 | 322.11744 | 10.63000 | 0.1010399 | 0.19585908 | 2.9365692 | 21 | 11 21.4 | 17.9 |
| 32178 2000 $ND_{15}$ | 14.8 | X | 321.14218 | 194.14400 | 316.20488 | 5.50756 | 0.1055249 | 0.30267642 | 2.1969339 | 21 | — | — |
| 32179 2000 $NC_{16}$ | 14.2 | X | 94.40128 | 305.09562 | 18.90398 | 2.39651 | 0.0582501 | 0.20146524 | 2.8818363 | 21 | 12 31.3 | 18.5 |
| 32180 2000 $NY_{16}$ | 14.9 | X | 3.56324 | 163.11724 | 65.23122 | 4.23096 | 0.1364950 | 0.27342481 | 2.3509538 | 21 | 4 15.1 | 17.0 |
| 32181 2000 $NB_{17}$ | 14.6 | X | 33.55188 | 145.37923 | 52.39982 | 3.39697 | 0.0100054 | 0.22413827 | 2.6840589 | 21 | 4 26.9 | 17.9 |
| 32182 2000 $NR_{18}$ | 14.4 | X | 303.44980 | 233.94771 | 67.80127 | 3.16215 | 0.1899691 | 0.22698454 | 2.6615739 | 21 | 4 16.2 | 17.7 |
| 32183 2000 $ND_{19}$ | 14.9 | X | 1.06212 | 135.04230 | 114.59121 | 3.15353 | 0.0308445 | 0.22733862 | 2.6588096 | 21 | 5 21.8 | 18.2 |
| 32184 Yamaura | 14.6 | X | 27.73550 | 76.37478 | 279.89423 | 12.06377 | 0.2019435 | 0.24268287 | 2.5455207 | 21 | 12 20.1 | 17.8 |
| 32185 2000 $ND_{23}$ | 13.3 | X | 4.06436 | 142.50399 | 314.72502 | 11.56607 | 0.0505494 | 0.15869831 | 3.3787380 | 21 | — | — |
| 32186 2000 $NM_{23}$ | 13.9 | X | 146.00205 | 223.09398 | 319.01259 | 14.15747 | 0.0503819 | 0.23702622 | 2.5858607 | 21 | 9 3.8 | 17.6 |
| 32187 2000 $NR_{23}$ | 14.7 | X | 183.06558 | 179.56881 | 229.44613 | 1.02315 | 0.1690130 | 0.22353169 | 2.6889124 | 21 | 5 1.2 | 19.1 |
| 32188 2000 $NR_{25}$ | 13.5 | X | 322.90397 | 129.20543 | 118.58504 | 23.05923 | 0.0968850 | 0.17703396 | 3.1412198 | 21 | 4 1.7 | 18.1 |
| 32189 2000 $NT_{25}$ | 14.8 | X | 264.37014 | 320.70501 | 355.12489 | 2.36888 | 0.0796701 | 0.22411934 | 2.6842101 | 21 | 3 31.6 | 18.6 |
| 32190 2000 $NM_{26}$ | 13.9 | X | 273.17302 | 201.97641 | 194.02376 | 9.04427 | 0.1431465 | 0.18510867 | 3.0491928 | 21 | 7 16.0 | 18.3 |
| 32191 2000 $NZ_{26}$ | 14.3 | X | 341.77409 | 38.00896 | 227.45402 | 0.85074 | 0.0588950 | 0.22753806 | 2.6572557 | 21 | 5 12.1 | 17.5 |
| 32192 2000 $NH_{27}$ | 13.8 | X | 80.94088 | 315.10124 | 117.46154 | 8.44279 | 0.1463742 | 0.21226172 | 2.7832674 | 21 | 2 5.6 | 17.0 |
| 32193 2000 $NK_{27}$ | 14.4 | X | 235.34704 | 277.74911 | 353.80445 | 4.08274 | 0.1836231 | 0.26252820 | 2.4155651 | 21 | — | — |
| 32194 2000 $NY_{27}$ | 14.4 | X | 85.84523 | 333.97072 | 253.31358 | 9.83916 | 0.0436099 | 0.18834297 | 3.0141841 | 21 | 8 15.3 | 18.8 |
| 32195 2000 $NT_{28}$ | 13.7 | X | 184.44279 | 312.58841 | 130.55704 | 6.93321 | 0.1647685 | 0.18200673 | 3.0837400 | 21 | 6 15.4 | 18.8 |
| 32196 2000 $OK$ | 15.3 | X | 0.93488 | 284.75191 | 282.54642 | 3.97656 | 0.1733291 | 0.27300098 | 2.3533864 | 21 | 2 27.2 | 17.4 |
| 32197 2000 $OV$ | 14.1 | X | 215.39882 | 35.99739 | 341.02567 | 4.37159 | 0.1342379 | 0.17717381 | 3.1395666 | 21 | 4 23.3 | 19.2 |
| 32198 2000 $OK_1$ | 14.4 | X | 156.70098 | 237.48107 | 176.74244 | 9.35061 | 0.0743942 | 0.17454247 | 3.1710419 | 21 | 4 12.5 | 19.2 |
| 32199 2000 $ON_2$ | 14.4 | X | 98.84169 | 171.40062 | 246.38373 | 8.65997 | 0.2135890 | 0.21217096 | 2.7840611 | 21 | 2 17.4 | 18.2 |
| 32200 Seiicyoshida | 13.4 | X | 236.80770 | 239.32878 | 103.04846 | 14.97489 | 0.2119173 | 0.17655107 | 3.1469450 | 21 | 4 6.4 | 18.9 |
| 32201 2000 $OZ_2$ | 14.7 | X | 37.09920 | 297.87325 | 52.00060 | 2.60602 | 0.0955600 | 0.19765035 | 2.9187999 | 21 | 11 28.6 | 18.6 |
| 32202 2000 $OA_3$ | 14.3 | X | 224.15572 | 311.47335 | 323.52508 | 4.45420 | 0.0461851 | 0.21336117 | 2.7736977 | 21 | — | — |
| 32203 2000 $OF_3$ | 13.8 | X | 201.04087 | 102.01220 | 295.67305 | 12.00912 | 0.1882323 | 0.22324211 | 2.6912372 | 21 | 4 28.6 | 18.5 |
| 32204 2000 $OL_5$ | 14.1 | X | 84.18471 | 47.00892 | 257.63955 | 7.27541 | 0.0845813 | 0.24402292 | 2.5361930 | 21 | 12 6.5 | 17.6 |
| 32205 2000 $OS_5$ | 13.3 | X | 263.38431 | 79.45337 | 308.66826 | 18.22120 | 0.2465982 | 0.18042379 | 3.1017504 | 21 | 6 14.2 | 18.4 |
| 32206 2000 $OM_6$ | 14.5 | X | 212.95269 | 138.81995 | 238.08399 | 5.92293 | 0.2225660 | 0.22292172 | 2.6938151 | 21 | 4 15.7 | 19.3 |
| 32207 Mairepercy | 14.6 | X | 142.68758 | 218.52218 | 210.45511 | 2.11746 | 0.0555973 | 0.22253342 | 2.6969478 | 21 | 4 6.6 | 18.2 |
| 32208 Johnpercy | 14.3 | X | 160.56153 | 104.65980 | 268.95863 | 4.02044 | 0.0095674 | 0.21807984 | 2.7335417 | 21 | 2 11.3 | 18.1 |
| 32209 2000 $OW_9$ | 13.2 | X | 244.06122 | 76.17951 | 280.08341 | 12.81377 | 0.2738201 | 0.22596862 | 2.6695453 | 21 | 4 8.2 | 18.1 |
| 32210 2000 $OD_{10}$ | 14.8 | X | 48.67134 | 147.24685 | 129.65387 | 10.14386 | 0.1006167 | 0.23967906 | 2.5667446 | 21 | 9 21.2 | 18.1 |
| 32211 2000 $OZ_{10}$ | 13.7 | X | 338.09675 | 233.34756 | 126.78522 | 10.70999 | 0.0713535 | 0.23993508 | 2.5649184 | 21 | 9 23.3 | 16.8 |
| 32212 2000 $OV_{11}$ | 14.0 | X | 198.48623 | 9.72729 | 277.38262 | 5.30892 | 0.1386493 | 0.26001707 | 2.4310925 | 21 | — | — |
| 32213 Joshuachoe | 14.5 | X | 110.46457 | 351.74397 | 300.28888 | 1.20751 | 0.0349031 | 0.20166582 | 2.8799250 | 21 | 12 8.6 | 18.6 |
| 32214 Colburn | 14.8 | X | 294.03149 | 91.17551 | 239.07238 | 1.85974 | 0.0732750 | 0.22934263 | 2.6432984 | 21 | 5 28.9 | 18.1 |
| 32215 2000 $OG_{16}$ | 14.1 | X | 271.53401 | 229.74741 | 101.66619 | 2.67293 | 0.2076978 | 0.17967738 | 3.1103346 | 21 | 4 18.7 | 18.8 |
| 32216 2000 $OY_{17}$ | 13.5 | X | 285.25967 | 42.95539 | 315.53171 | 8.87587 | 0.1041354 | 0.18372551 | 3.0644773 | 21 | 6 21.0 | 17.8 |
| 32217 Beverlyge | 14.4 | X | 323.59657 | 300.39268 | 19.04658 | 1.84405 | 0.1546791 | 0.23111127 | 2.6297954 | 21 | 6 16.5 | 17.1 |
| 32218 2000 $OE_{19}$ | 13.5 | X | 132.14771 | 254.57670 | 328.76250 | 14.07342 | 0.0440573 | 0.24046701 | 2.5611345 | 21 | 10 8.3 | 17.4 |
| 32219 2000 $OU_{20}$ | 12.8 | X | 28.43739 | 256.35595 | 4.52492 | 13.65033 | 0.1569473 | 0.22825103 | 2.6517193 | 21 | 8 5.5 | 15.9 |
| 32220 2000 $OL_{21}$ | 14.2 | X | 167.85441 | 73.30134 | 305.59522 | 23.63692 | 0.1469749 | 0.21696726 | 2.7428786 | 21 | 2 28.1 | 18.9 |
| 32221 2000 $OY_{22}$ | 13.2 | X | 330.90987 | 220.02540 | 103.11341 | 16.15360 | 0.1372579 | 0.23453190 | 2.6041626 | 21 | 7 8.3 | 15.8 |
| 32222 Charlesvest | 12.9 | X | 44.00603 | 317.36207 | 113.66992 | 9.90188 | 0.0660522 | 0.21167243 | 2.7884307 | 21 | — | — |
| 32223 2000 $OE_{23}$ | 14.4 | X | 248.58045 | 79.14900 | 336.70363 | 4.98935 | 0.0901891 | 0.28212064 | 2.3023931 | 21 | 7 23.9 | 17.4 |
| 32224 2000 $OK_{23}$ | 14.0 | X | 330.48464 | 357.36118 | 303.73530 | 4.87850 | 0.1665265 | 0.23223807 | 2.6212822 | 21 | 5 30.5 | 16.8 |
| 32225 2000 $OL_{23}$ | 14.2 | X | 333.77825 | 126.54449 | 121.97848 | 2.43178 | 0.1221623 | 0.18024961 | 3.1037483 | 21 | 4 6.4 | 18.0 |
| 32226 Vikulgupta | 14.7 | X | 350.79467 | 321.34089 | 302.65599 | 4.20135 | 0.1123287 | 0.27804950 | 2.3248127 | 21 | 5 14.5 | 17.0 |
| 32227 2000 $OM_{25}$ | 13.8 | X | 348.31260 | 92.55655 | 331.58968 | 8.07766 | 0.1129373 | 0.24794922 | 2.5093479 | 21 | — | — |
| 32228 2000 $OH_{26}$ | 13.9 | X | 308.12735 | 20.43535 | 337.08900 | 11.32576 | 0.1666914 | 0.23349748 | 2.6118481 | 21 | 7 16.4 | 16.9 |
| 32229 Higashino | 14.6 | X | 213.12083 | 112.13452 | 153.79049 | 8.65826 | 0.0643737 | 0.21050184 | 2.7987586 | 21 | — | — |
| 32230 2000 $OP_{27}$ | 12.6 | X | 172.43207 | 237.04821 | 154.29415 | 18.21038 | 0.1367972 | 0.17096886 | 3.2150770 | 21 | 4 7.1 | 17.9 |
| 32231 2000 $OT_{27}$ | 13.5 | X | 282.60544 | 336.08330 | 329.69330 | 16.37014 | 0.1203353 | 0.17637143 | 3.1490814 | 21 | 4 1.6 | 18.3 |
| 32232 2000 $OU_{27}$ | 13.8 | X | 191.30859 | 235.46252 | 131.25472 | 7.25781 | 0.1302373 | 0.26439849 | 2.4041602 | 21 | 3 14.9 | 17.5 |
| 32233 Georgehou | 14.2 | X | 279.78233 | 140.21347 | 238.34081 | 8.45299 | 0.1235361 | 0.18543379 | 3.0456276 | 21 | 7 5.4 | 18.4 |
| 32234 Jesslihuang | 15.1 | X | 79.96608 | 326.51022 | 227.66205 | 5.48903 | 0.1145623 | 0.27863023 | 2.3215813 | 21 | 7 10.4 | 17.9 |
| 32235 2000 $OJ_{32}$ | 13.9 | X | 324.34998 | 349.85437 | 254.93615 | 6.59470 | 0.1662211 | 0.17614395 | 3.1517921 | 21 | 3 8.5 | 18.1 |
| 32236 2000 $OE_{35}$ | 14.2 | X | 21.81370 | 128.94761 | 196.21545 | 10.04420 | 0.0998457 | 0.19338129 | 2.9616001 | 21 | 10 6.2 | 17.8 |
| 32237 Jagadeesan | 14.2 | X | 286.12750 | 164.39876 | 249.72937 | 8.78913 | 0.0749981 | 0.18959990 | 3.0008478 | 21 | 9 2.6 | 18.5 |
| 32238 2000 $ON_{37}$ | 13.9 | X | 183.69822 | 194.23619 | 186.60174 | 12.05673 | 0.1848550 | 0.17290815 | 3.1909922 | 21 | 4 2.2 | 19.2 |
| 32239 2000 $OB_{39}$ | 14.0 | X | 198.28819 | 70.98217 | 224.55489 | 8.39806 | 0.1650318 | 0.21200790 | 2.7854884 | 21 | — | — |
| 32240 2000 $OK_{39}$ | 12.4 | X | 306.65706 | 288.31454 | 296.56712 | 20.28801 | 0.0111174 | 0.16823490 | 3.2498151 | 21 | 2 9.8 | 17.2 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32241 2000 $ON_{39}$ | 15.0 | X | 261.32475 | 22.07976 | 206.23259 | 10.58722 | 0.1679119 | 0.25966829 | 2.4332689 | 21 | — | — |
| 32242 Jagota | 15.1 | X | 63.50733 | 326.25504 | 234.45536 | 7.52797 | 0.1012686 | 0.27660317 | 2.3329098 | 21 | 6 22.7 | 17.7 |
| 32243 2000 $OU_{40}$ | 14.0 | X | 287.08760 | 168.43616 | 214.27640 | 9.31687 | 0.0985587 | 0.18675960 | 3.0311965 | 21 | 7 23.0 | 18.3 |
| 32244 2000 $OK_{43}$ | 12.9 | X | 318.84184 | 307.12108 | 311.17139 | 15.22618 | 0.0793636 | 0.17443902 | 3.1722954 | 21 | 3 25.2 | 17.6 |
| 32245 2000 $OM_{43}$ | 13.2 | X | 305.67492 | 115.72951 | 293.31296 | 8.88342 | 0.0629369 | 0.19002403 | 2.9963810 | 21 | 9 24.7 | 17.3 |
| 32246 2000 $OQ_{43}$ | 13.1 | X | 336.83967 | 358.72755 | 299.82952 | 7.00899 | 0.1365492 | 0.18259319 | 3.0771334 | 21 | 6 14.5 | 16.9 |
| 32247 2000 $OS_{43}$ | 13.8 | X | 58.49012 | 230.49021 | 257.58525 | 4.06663 | 0.1107900 | 0.21530413 | 2.7569854 | 21 | 3 7.5 | 17.0 |
| 32248 2000 $OV_{44}$ | 13.0 | X | 27.39796 | 266.02202 | 308.66086 | 12.16751 | 0.1479801 | 0.22431800 | 2.6826250 | 21 | 5 14.3 | 16.1 |
| 32249 2000 $OM_{45}$ | 13.1 | X | 342.45630 | 131.44860 | 236.61301 | 9.84221 | 0.0906343 | 0.18993926 | 2.9972724 | 21 | 9 26.3 | 16.9 |
| 32250 Karthik | 14.2 | X | 308.98800 | 96.76507 | 231.52551 | 9.31803 | 0.0952680 | 0.18239456 | 3.0793671 | 21 | 6 15.2 | 18.2 |
| 32251 2000 $OH_{50}$ | 12.8 | X | 221.92126 | 168.58928 | 35.33291 | 12.59296 | 0.1290698 | 0.24462080 | 2.5320588 | 21 | 12 25.5 | 16.5 |
| 32252 2000 $OJ_{51}$ | 13.4 | X | 121.15886 | 327.84061 | 260.90146 | 13.32901 | 0.0383102 | 0.23799835 | 2.5788144 | 21 | 10 2.2 | 17.4 |
| 32253 2000 $OP_{51}$ | 11.7 | X | 203.46936 | 74.08856 | 313.41318 | 21.01979 | 0.0959071 | 0.17324703 | 3.1868297 | 21 | 4 16.6 | 17.1 |
| 32254 2000 $OR_{51}$ | 13.0 | X | 230.43868 | 54.89725 | 290.16211 | 13.31138 | 0.0723782 | 0.17167065 | 3.2063088 | 21 | 3 29.3 | 18.1 |
| 32255 2000 $OT_{51}$ | 13.6 | X | 20.80272 | 64.56181 | 292.10751 | 10.85963 | 0.2156197 | 0.23958831 | 2.5673927 | 21 | 12 11.8 | 16.7 |
| 32256 2000 $OL_{52}$ | 13.3 | X | 263.67025 | 188.44636 | 258.23920 | 14.09962 | 0.0909580 | 0.23444788 | 2.6047847 | 21 | 9 13.5 | 17.1 |
| 32257 2000 $OW_{52}$ | 13.0 | X | 204.42803 | 122.52687 | 30.63715 | 10.93142 | 0.0512442 | 0.18476601 | 3.0529615 | 21 | 10 6.3 | 17.4 |
| 32258 2000 $OF_{53}$ | 13.8 | X | 259.09422 | 138.72721 | 289.89771 | 7.70228 | 0.0910675 | 0.18527746 | 3.0473405 | 21 | 8 16.4 | 18.1 |
| 32259 2000 $OT_{53}$ | 12.1 | X | 14.30698 | 318.64952 | 275.59995 | 14.52041 | 0.1273826 | 0.17666857 | 3.1455495 | 21 | 5 23.6 | 16.0 |
| 32260 2000 $OG_{57}$ | 14.1 | X | 351.61497 | 30.77131 | 328.51771 | 9.92132 | 0.1047853 | 0.19234070 | 2.9722722 | 21 | 9 29.5 | 17.8 |
| 32261 2000 $OS_{58}$ | 14.9 | X | 358.47170 | 330.99590 | 324.64060 | 2.26803 | 0.0926555 | 0.18584371 | 3.0411474 | 21 | 7 20.2 | 18.6 |
| 32262 2000 $OA_{60}$ | 15.3 | X | 66.85118 | 29.66126 | 232.28321 | 1.65294 | 0.1419128 | 0.23817538 | 2.5775364 | 21 | 9 27.9 | 18.7 |
| 32263 Kusnierkiewicz | 14.8 | X | 356.94377 | 313.08438 | 158.48743 | 2.69375 | 0.0225679 | 0.20937273 | 2.8088118 | 21 | — | — |
| 32264 Cathjesslai | 15.0 | X | 280.35953 | 302.24259 | 118.23919 | 2.98618 | 0.1308879 | 0.23542753 | 2.5975538 | 21 | 9 4.2 | 18.0 |
| 32265 2000 $PJ_{1}$ | 13.8 | X | 194.57698 | 220.43371 | 67.04864 | 9.03014 | 0.2014498 | 0.21044188 | 2.7992902 | 21 | — | — |
| 32266 2000 $PN_{1}$ | 13.7 | X | 219.23451 | 55.99903 | 77.84633 | 11.00535 | 0.0128167 | 0.19030176 | 2.9934650 | 21 | 10 7.9 | 18.1 |
| 32267 Hermannweyl | 14.6 | X | 118.26264 | 239.91336 | 142.94846 | 15.90031 | 0.0846069 | 0.21118557 | 2.7927146 | 21 | 1 14.4 | 18.6 |
| 32268 2000 $PX_{1}$ | 14.2 | X | 206.92806 | 243.78805 | 135.57177 | 10.06602 | 0.0964618 | 0.17498500 | 3.1656933 | 21 | 4 24.9 | 19.3 |
| 32269 2000 $PB_{2}$ | 14.4 | X | 286.50629 | 27.79141 | 34.46216 | 2.12916 | 0.0716158 | 0.18992712 | 2.9974002 | 21 | 9 19.6 | 18.4 |
| 32270 Inokuchihiroo | 14.0 | X | 227.01688 | 324.93262 | 295.72214 | 6.44533 | 0.1027759 | 0.21099231 | 2.7944197 | 21 | — | — |
| 32271 2000 $PH_{4}$ | 14.4 | X | 349.02814 | 9.56024 | 321.03690 | 9.29453 | 0.1073433 | 0.18931646 | 3.0038423 | 21 | 8 20.5 | 18.0 |
| 32272 Hasegawayuya | 14.9 | X | 358.53206 | 256.56574 | 290.83432 | 5.59811 | 0.0618323 | 0.26512541 | 2.3997637 | 21 | 2 10.5 | 17.7 |
| 32273 2000 $PC_{6}$ | 14.4 | X | 17.24563 | 194.06680 | 94.11037 | 10.56873 | 0.0546898 | 0.18616464 | 3.0376513 | 21 | 8 8.9 | 18.4 |
| 32274 2000 $PU_{10}$ | 13.6 | X | 68.25671 | 226.76218 | 46.76517 | 11.68651 | 0.0667416 | 0.18976629 | 2.9990935 | 21 | 10 3.8 | 17.9 |
| 32275 Limichael | 15.2 | X | 227.39333 | 15.76955 | 129.20615 | 3.52758 | 0.0506325 | 0.24486428 | 2.5303801 | 21 | 10 30.3 | 18.6 |
| 32276 Allenliu | 15.2 | X | 229.77973 | 154.86684 | 311.69015 | 6.54561 | 0.0499969 | 0.28598749 | 2.2815922 | 21 | 9 11.6 | 18.2 |
| 32277 Helenliu | 14.7 | X | 322.42945 | 49.54834 | 350.98501 | 3.09846 | 0.1874168 | 0.23966710 | 2.5668300 | 21 | 10 13.3 | 16.7 |
| 32278 Makaram | 14.3 | X | 254.24437 | 211.98629 | 183.84036 | 1.93974 | 0.0987975 | 0.23157237 | 2.6263034 | 21 | 6 30.3 | 17.9 |
| 32279 Marshall | 14.8 | X | 197.40519 | 273.64862 | 153.72812 | 3.53004 | 0.0765004 | 0.22828084 | 2.6514885 | 21 | 6 8.3 | 18.7 |
| 32280 Rachelmashal | 14.5 | X | 127.87251 | 153.81819 | 138.24574 | 3.09664 | 0.0173743 | 0.20258977 | 2.8711621 | 21 | 12 27.9 | 18.6 |
| 32281 Shreyamenon | 15.0 | X | 22.96983 | 291.85175 | 349.13446 | 1.45310 | 0.0831168 | 0.18687033 | 3.0299990 | 21 | 8 8.4 | 18.7 |
| 32282 Arnoldmong | 14.3 | X | 262.41023 | 292.56150 | 37.00324 | 0.72972 | 0.1757535 | 0.17691788 | 3.1425936 | 21 | 4 9.9 | 19.1 |
| 32283 2000 $PD_{24}$ | 13.8 | X | 96.13240 | 334.83649 | 144.97817 | 13.73207 | 0.1138502 | 0.22001891 | 2.7174572 | 21 | 4 28.4 | 17.7 |
| 32284 2000 $PH_{24}$ | 14.0 | X | 137.84617 | 160.59376 | 110.32029 | 3.50212 | 0.0399038 | 0.19821501 | 2.9132540 | 21 | 12 13.9 | 18.1 |
| 32285 2000 $PR_{24}$ | 14.4 | X | 356.49610 | 135.77933 | 238.79088 | 13.92313 | 0.1307331 | 0.24077044 | 2.5589823 | 21 | 11 12.9 | 17.0 |
| 32286 2000 $PS_{24}$ | 13.4 | X | 344.26226 | 98.46644 | 195.28275 | 15.47131 | 0.2690015 | 0.18538291 | 3.0461848 | 21 | 6 8.9 | 16.6 |
| 32287 2000 $PF_{26}$ | 14.2 | X | 345.02552 | 66.84355 | 69.97374 | 10.15361 | 0.1288727 | 0.25335990 | 2.4734936 | 21 | — | — |
| 32288 Terui | 13.6 | X | 98.13859 | 106.47766 | 314.24926 | 9.85989 | 0.1769050 | 0.21047011 | 2.7990399 | 21 | 2 17.6 | 17.2 |
| 32289 2000 $QR_{4}$ | 14.0 | X | 142.63159 | 341.34088 | 172.75488 | 10.05151 | 0.0154874 | 0.18225682 | 3.0809184 | 21 | 7 22.5 | 18.5 |
| 32290 2000 $QH_{5}$ | 14.5 | X | 291.57324 | 221.91065 | 344.07188 | 12.87598 | 0.1253777 | 0.25733505 | 2.4479549 | 21 | — | — |
| 32291 2000 $QP_{8}$ | 14.0 | X | 106.10660 | 199.41729 | 335.05036 | 13.02327 | 0.1116817 | 0.23033713 | 2.6356844 | 21 | 7 20.9 | 17.9 |
| 32292 2000 $QR_{8}$ | 14.5 | X | 69.59529 | 5.37993 | 26.34007 | 1.78720 | 0.1226912 | 0.20414441 | 2.8565668 | 21 | — | — |
| 32293 2000 $QT_{8}$ | 14.4 | X | 299.11592 | 187.28220 | 169.90761 | 10.47899 | 0.1127901 | 0.18390260 | 3.0625097 | 21 | 7 5.9 | 18.6 |
| 32294 Zajonc | 14.1 | X | 72.21148 | 247.39197 | 7.87496 | 12.84168 | 0.1452091 | 0.23074366 | 2.6325878 | 21 | 9 26.9 | 17.6 |
| 32295 Ravichandran | 14.5 | X | 7.68661 | 63.44251 | 320.10088 | 8.00251 | 0.1447069 | 0.24442039 | 2.5334427 | 21 | 12 17.7 | 17.4 |
| 32296 Aninsayana | 14.7 | X | 290.36960 | 139.14483 | 186.00522 | 1.84350 | 0.0645406 | 0.18107883 | 3.0942657 | 21 | 5 21.6 | 18.9 |
| 32297 2000 $QN_{11}$ | 15.0 | X | 291.40457 | 265.97024 | 140.94285 | 15.06572 | 0.0866937 | 0.23698321 | 2.5861736 | 21 | 9 10.7 | 18.2 |
| 32298 Kunalshroff | 14.6 | X | 310.99768 | 114.44452 | 324.71236 | 1.17980 | 0.0981932 | 0.19661335 | 2.9290541 | 21 | 11 13.1 | 18.0 |
| 32299 Srinivas | 14.5 | X | 140.66815 | 73.74353 | 318.65145 | 7.35031 | 0.1035932 | 0.21414168 | 2.7669539 | 21 | 2 22.9 | 18.6 |
| 32300 Uwamanzunna | 14.5 | X | 218.40021 | 284.77079 | 174.11266 | 3.71803 | 0.0761728 | 0.18348360 | 3.0671702 | 21 | 8 10.2 | 19.1 |
| 32301 2000 $QN_{23}$ | 14.1 | X | 314.71788 | 27.03537 | 18.14833 | 5.99032 | 0.1690812 | 0.18956289 | 3.0012385 | 21 | 9 28.6 | 17.4 |
| 32302 Mayavarma | 15.2 | X | 228.20794 | 267.58652 | 326.64704 | 5.77075 | 0.1115474 | 0.29994448 | 2.2102537 | 21 | — | — |
| 32303 2000 $QT_{24}$ | 13.2 | X | 207.09654 | 2.13090 | 341.38231 | 14.96360 | 0.0448289 | 0.16807170 | 3.2519186 | 21 | 3 9.6 | 18.0 |
| 32304 2000 $QC_{25}$ | 14.0 | X | 300.96985 | 346.16906 | 27.28820 | 15.42600 | 0.1267151 | 0.23097947 | 2.6307957 | 21 | 8 7.4 | 17.5 |
| 32305 2000 $QD_{28}$ | 14.0 | X | 309.43049 | 302.43550 | 348.39907 | 9.44761 | 0.0469440 | 0.17584348 | 3.1553815 | 21 | 5 1.6 | 18.5 |
| 32306 2000 $QT_{28}$ | 13.9 | X | 33.23731 | 18.30411 | 20.27562 | 2.12146 | 0.0726478 | 0.19922961 | 2.9033549 | 21 | — | — |
| 32307 2000 $QG_{31}$ | 14.3 | X | 351.78892 | 87.87164 | 5.23679 | 8.67137 | 0.1810087 | 0.20126851 | 2.8837138 | 21 | — | — |
| 32308 Sreyavemuri | 14.6 | X | 234.08234 | 58.94252 | 11.67949 | 8.38094 | 0.1372942 | 0.23009143 | 2.6375605 | 21 | 7 20.9 | 18.7 |
| 32309 2000 $QN_{32}$ | 13.6 | X | 334.51659 | 7.47142 | 357.00391 | 15.07894 | 0.1119259 | 0.23592640 | 2.5938908 | 21 | 9 18.0 | 16.3 |
| 32310 Asherwillner | 14.8 | X | 272.98181 | 116.32495 | 303.04923 | 3.43604 | 0.1608710 | 0.23479620 | 2.6022080 | 21 | 8 16.3 | 18.0 |
| 32311 Josephineyu | 15.1 | X | 44.84650 | 110.70241 | 142.47183 | 0.96314 | 0.0922528 | 0.23368193 | 2.6104735 | 21 | 8 7.4 | 18.1 |
| 32312 2000 $QT_{38}$ | 14.2 | X | 248.81258 | 155.64886 | 319.14076 | 9.98627 | 0.0921422 | 0.19284804 | 2.9670570 | 21 | 9 29.3 | 18.6 |
| 32313 Zhangmichael | 14.6 | X | 253.21522 | 119.59951 | 187.85936 | 1.26383 | 0.1068959 | 0.17302977 | 3.1894967 | 21 | 3 12.3 | 19.4 |
| 32314 Rachelzhang | 14.6 | X | 14.53971 | 215.25880 | 223.65205 | 1.15726 | 0.0441689 | 0.20436591 | 2.8545024 | 21 | — | — |
| 32315 Clarezhu | 14.6 | X | 148.95849 | 73.67581 | 191.33157 | 1.70395 | 0.0264294 | 0.20013376 | 2.8946039 | 21 | 12 19.4 | 18.8 |
| 32316 2000 $QA_{44}$ | 14.4 | X | 350.58649 | 43.11987 | 240.17466 | 0.86677 | 0.1078028 | 0.18279946 | 3.0748182 | 21 | 6 19.4 | 18.0 |
| 32317 2000 $QE_{44}$ | 14.3 | X | 17.93760 | 334.96869 | 329.34652 | 10.31568 | 0.0737544 | 0.18804683 | 3.0173478 | 21 | 8 29.9 | 18.1 |
| 32318 2000 $QO_{47}$ | 14.8 | X | 71.46847 | 306.03154 | 14.84656 | 1.74190 | 0.0726279 | 0.19702258 | 2.9249967 | 21 | 12 1.9 | 19.0 |
| 32319 2000 $QL_{49}$ | 14.5 | X | 231.70560 | 161.24821 | 341.03649 | 6.88926 | 0.1007763 | 0.28812442 | 2.2702970 | 21 | 10 26.8 | 17.4 |
| 32320 2000 $QN_{51}$ | 14.1 | X | 353.36068 | 126.70173 | 151.86582 | 10.82500 | 0.0854907 | 0.18110722 | 3.0939422 | 21 | 6 19.2 | 18.1 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32321 2000 $QO_{53}$ | 14.5 | $X$ | 131.10110 | 99.30205 | 127.45281 | 5.87724 | 0.1364442 | 0.24154509 | 2.5535081 | 21 | 10 25.7 | 18.5 |
| 32322 2000 $QS_{57}$ | 14.9 | $X$ | 214.05066 | 153.05314 | 13.42864 | 4.39055 | 0.0849665 | 0.24399829 | 2.5363637 | 21 | 11 3.7 | 18.3 |
| 32323 2000 $QW_{60}$ | 14.2 | $X$ | 63.28533 | 296.06654 | 90.53298 | 3.25895 | 0.0693344 | 0.20268806 | 2.8702338 | 21 | — | — |
| 32324 2000 $QB_{61}$ | 14.1 | $X$ | 3.83838 | 295.46933 | 70.48347 | 10.82639 | 0.1103826 | 0.19234576 | 2.9722202 | 21 | 11 4.7 | 17.7 |
| 32325 2000 $QG_{62}$ | 13.4 | $X$ | 274.83151 | 268.30788 | 71.28579 | 7.19314 | 0.0760067 | 0.17752667 | 3.1354050 | 21 | 5 19.0 | 17.8 |
| 32326 2000 $QO_{62}$ | 13.7 | $X$ | 51.96070 | 194.32125 | 17.10629 | 14.09067 | 0.1856434 | 0.22760669 | 2.6567215 | 21 | 7 6.5 | 17.1 |
| 32327 2000 $QA_{63}$ | 14.1 | $X$ | 280.66510 | 303.08256 | 97.28726 | 8.76761 | 0.1366789 | 0.18343957 | 3.0676610 | 21 | 8 4.6 | 18.3 |
| 32328 2000 $QW_{63}$ | 14.0 | $X$ | 334.85687 | 325.66169 | 14.85223 | 11.35723 | 0.2313903 | 0.23274754 | 2.6174556 | 21 | 8 9.4 | 16.4 |
| 32329 2000 $QJ_{64}$ | 13.8 | $X$ | 269.57500 | 295.04628 | 44.07615 | 11.86107 | 0.1373753 | 0.17679732 | 3.1440221 | 21 | 5 3.5 | 18.5 |
| 32330 2000 $QK_{64}$ | 13.9 | $X$ | 289.55933 | 4.05514 | 70.80394 | 9.76772 | 0.1207087 | 0.18866852 | 3.0107158 | 21 | 10 7.6 | 17.9 |
| 32331 2000 $QK_{65}$ | 13.2 | $X$ | 225.06825 | 257.72492 | 118.29297 | 10.80693 | 0.1525913 | 0.17391203 | 3.1787007 | 21 | 5 6.2 | 18.4 |
| 32332 2000 $QV_{69}$ | 14.0 | $X$ | 142.31012 | 353.63970 | 317.91767 | 4.33199 | 0.0488402 | 0.15575285 | 3.4212020 | 21 | — | — |
| 32333 2000 $QQ_{71}$ | 13.9 | $X$ | 202.77154 | 135.47437 | 256.65076 | 2.14724 | 0.1253136 | 0.17472209 | 3.1688682 | 21 | 5 1.2 | 18.9 |
| 32334 2000 $QM_{77}$ | 14.2 | $X$ | 50.65371 | 41.21600 | 186.31553 | 1.00483 | 0.1212097 | 0.18186320 | 3.0853623 | 21 | 7 14.2 | 18.2 |
| 32335 2000 $QO_{82}$ | 14.3 | $X$ | 37.50547 | 323.65195 | 306.61674 | 2.52079 | 0.0417342 | 0.18444949 | 3.0564531 | 21 | 8 10.5 | 18.4 |
| 32336 2000 $QB_{86}$ | 14.0 | $X$ | 342.66290 | 289.42656 | 273.77518 | 4.70212 | 0.0853012 | 0.21756840 | 2.7378239 | 21 | 2 14.9 | 17.6 |
| 32337 2000 $QM_{87}$ | 14.1 | $X$ | 353.28042 | 34.21563 | 187.77760 | 5.41312 | 0.0849337 | 0.17431076 | 3.1738514 | 21 | 4 5.5 | 18.2 |
| 32338 2000 $QS_{87}$ | 13.7 | $X$ | 116.17433 | 274.48541 | 166.94300 | 22.57257 | 0.0851797 | 0.16964560 | 3.2317740 | 21 | 4 3.3 | 18.5 |
| 32339 2000 $QA_{88}$ | 11.7 | $X$ | 174.65082 | 274.46313 | 172.47229 | 18.88654 | 0.1097720 | 0.08271069 | 5.2170895 | 21 | 6 13.3 | 19.3 |
| 32340 2000 $QY_{88}$ | 14.2 | $X$ | 161.43036 | 162.82932 | 285.82441 | 4.15858 | 0.1165059 | 0.22291387 | 2.6938784 | 21 | 5 27.9 | 18.3 |
| 32341 2000 $QG_{89}$ | 15.4 | $X$ | 124.44425 | 3.84007 | 229.62705 | 5.73515 | 0.0612426 | 0.28685235 | 2.2770039 | 21 | 10 25.8 | 18.3 |
| 32342 2000 $QE_{90}$ | 14.6 | $X$ | 142.16263 | 232.73854 | 302.56574 | 4.83349 | 0.1221270 | 0.28041636 | 2.3117125 | 21 | 8 30.0 | 18.0 |
| 32343 2000 $QD_{92}$ | 13.8 | $X$ | 53.86944 | 164.10010 | 325.41468 | 8.48625 | 0.0970249 | 0.21354165 | 2.7721347 | 21 | 3 1.8 | 17.1 |
| 32344 2000 $QV_{94}$ | 14.4 | $X$ | 157.89875 | 284.75229 | 189.24614 | 9.41700 | 0.0491172 | 0.17964492 | 3.1107092 | 21 | 6 23.3 | 19.2 |
| 32345 2000 $QF_{99}$ | 13.6 | $X$ | 39.31384 | 302.97702 | 96.06322 | 4.94591 | 0.0448147 | 0.15275227 | 3.4658594 | 21 | — | — |
| 32346 2000 $QS_{99}$ | 14.0 | $X$ | 218.48184 | 341.09840 | 105.31407 | 6.15423 | 0.0481914 | 0.22907013 | 2.6453943 | 21 | 7 30.9 | 17.7 |
| 32347 2000 $QK_{101}$ | 13.9 | $X$ | 186.61690 | 166.25335 | 33.92068 | 11.07532 | 0.0546061 | 0.19361540 | 2.9592123 | 21 | 11 9.9 | 18.3 |
| 32348 2000 $QL_{103}$ | 13.0 | $X$ | 22.29773 | 140.35317 | 73.09759 | 9.86385 | 0.1288832 | 0.22123709 | 2.7074727 | 21 | 5 8.2 | 15.9 |
| 32349 2000 $QA_{109}$ | 14.9 | $X$ | 294.95524 | 330.10056 | 118.16704 | 7.05566 | 0.0750060 | 0.24068784 | 2.5595677 | 21 | 11 14.4 | 18.0 |
| 32350 2000 $QP_{115}$ | 14.0 | $X$ | 310.48139 | 15.93795 | 315.06212 | 9.26711 | 0.0621072 | 0.18229503 | 3.0804879 | 21 | 6 26.4 | 18.1 |
| 32351 2000 $QH_{116}$ | 13.8 | $X$ | 232.08450 | 42.13190 | 62.66217 | 2.12488 | 0.1588920 | 0.18365429 | 3.0652695 | 21 | 8 26.1 | 18.4 |
| 32352 2000 $QT_{116}$ | 14.3 | $X$ | 328.09937 | 39.47081 | 83.08440 | 3.67563 | 0.1339585 | 0.19985990 | 2.8972476 | 21 | — | — |
| 32353 2000 $QX_{118}$ | 12.9 | $X$ | 27.20847 | 264.58400 | 320.25172 | 10.56716 | 0.0847894 | 0.17669739 | 3.1452075 | 21 | 5 29.6 | 17.1 |
| 32354 2000 $QN_{119}$ | 13.8 | $X$ | 38.90178 | 263.42506 | 313.30964 | 9.49392 | 0.0645058 | 0.17671662 | 3.1449792 | 21 | 6 4.8 | 18.1 |
| 32355 2000 $QA_{122}$ | 13.3 | $X$ | 126.04499 | 250.02155 | 336.05335 | 12.14542 | 0.1253191 | 0.23683682 | 2.5872391 | 21 | 10 10.9 | 17.5 |
| 32356 2000 $QM_{124}$ | 12.1 | $X$ | 312.74640 | 343.62211 | 329.36280 | 12.66928 | 0.1565963 | 0.08289146 | 5.2095018 | 21 | 5 25.9 | 18.8 |
| 32357 2000 $QR_{124}$ | 15.0 | $X$ | 25.00449 | 164.47862 | 355.01426 | 5.73241 | 0.1332298 | 0.26361001 | 2.4089518 | 21 | 2 13.2 | 17.3 |
| 32358 2000 $QS_{124}$ | 13.5 | $X$ | 132.17887 | 340.85899 | 150.72092 | 18.05505 | 0.0670653 | 0.17890051 | 3.1193324 | 21 | 6 19.4 | 18.4 |
| 32359 2000 $QZ_{128}$ | 14.0 | $X$ | 301.73782 | 186.20291 | 248.36748 | 4.32230 | 0.1293870 | 0.23794099 | 2.5792288 | 21 | 10 27.4 | 16.8 |
| 32360 2000 $QV_{133}$ | 14.1 | $X$ | 248.69328 | 337.43043 | 68.32920 | 2.79292 | 0.2051472 | 0.18182432 | 3.0858020 | 21 | 6 24.9 | 19.1 |
| 32361 2000 $QF_{135}$ | 13.2 | $X$ | 228.32748 | 119.10093 | 340.18640 | 14.86716 | 0.0566503 | 0.18744761 | 3.0237748 | 21 | 8 26.5 | 17.5 |
| 32362 2000 $QS_{136}$ | 14.5 | $X$ | 183.12869 | 324.23761 | 152.99671 | 10.40181 | 0.0427865 | 0.18486145 | 3.0519106 | 21 | 7 25.9 | 19.0 |
| 32363 2000 $QX_{136}$ | 14.3 | $X$ | 127.04154 | 123.58172 | 123.48478 | 6.61310 | 0.1777400 | 0.24328197 | 2.5413400 | 21 | 11 16.9 | 18.5 |
| 32364 2000 $QS_{137}$ | 13.9 | $X$ | 15.57657 | 241.23437 | 22.91024 | 5.31839 | 0.1232961 | 0.18107255 | 3.0943372 | 21 | 7 7.5 | 17.6 |
| 32365 2000 $QV_{138}$ | 13.7 | $X$ | 276.95189 | 66.46460 | 355.78244 | 5.55849 | 0.1155882 | 0.18416312 | 3.0596208 | 21 | 8 30.9 | 17.9 |
| 32366 2000 $QA_{142}$ | 14.1 | $X$ | 15.99595 | 149.99037 | 31.26232 | 6.91411 | 0.1723935 | 0.26187330 | 2.4195907 | 21 | 2 27.7 | 16.2 |
| 32367 2000 $QL_{144}$ | 14.3 | $X$ | 187.56505 | 122.85122 | 120.30371 | 5.05260 | 0.0881953 | 0.20085850 | 2.8876368 | 21 | — | — |
| 32368 2000 $QS_{146}$ | 13.9 | $X$ | 306.96146 | 354.59647 | 34.81893 | 10.63701 | 0.1138569 | 0.18452406 | 3.0556297 | 21 | 9 4.9 | 17.9 |
| 32369 2000 $QQ_{149}$ | 13.2 | $X$ | 259.20458 | 353.44978 | 18.47036 | 13.58461 | 0.0535783 | 0.17399846 | 3.1776480 | 21 | 6 10.3 | 18.0 |
| 32370 2000 $QY_{151}$ | 12.4 | $X$ | 314.00410 | 351.92786 | 333.03967 | 7.36398 | 0.0578746 | 0.08405934 | 5.1611370 | 21 | 6 25.0 | 19.1 |
| 32371 2000 $QM_{154}$ | 14.2 | $X$ | 232.54400 | 36.53973 | 241.47694 | 8.52448 | 0.1282467 | 0.21412457 | 2.7671013 | 21 | 1 8.6 | 18.6 |
| 32372 2000 $QL_{159}$ | 14.4 | $X$ | 306.68124 | 179.88197 | 209.52010 | 9.71075 | 0.1038751 | 0.18912605 | 3.0058582 | 21 | 8 28.1 | 18.4 |
| 32373 2000 $QZ_{168}$ | 14.4 | $X$ | 309.50786 | 89.32108 | 183.87923 | 8.32420 | 0.0776000 | 0.17439196 | 3.1728661 | 21 | 4 9.9 | 18.7 |
| 32374 2000 $QK_{169}$ | 13.9 | $X$ | 0.09647 | 281.27007 | 301.58433 | 5.83470 | 0.0301309 | 0.17335466 | 3.1855105 | 21 | 4 15.9 | 18.4 |
| 32375 2000 $QM_{169}$ | 14.3 | $X$ | 198.84269 | 331.91314 | 202.91741 | 9.07440 | 0.0190303 | 0.19290091 | 2.9665149 | 21 | 10 28.6 | 18.5 |
| 32376 2000 $QP_{169}$ | 13.6 | $X$ | 55.09788 | 299.30520 | 328.01587 | 13.85277 | 0.0873987 | 0.23438710 | 2.6052350 | 21 | 9 7.6 | 17.0 |
| 32377 2000 $QP_{170}$ | 14.2 | $X$ | 243.16705 | 35.60288 | 309.99279 | 5.07814 | 0.0401599 | 0.17383098 | 3.1796887 | 21 | 4 20.5 | 18.9 |
| 32378 2000 $QB_{173}$ | 14.6 | $X$ | 274.18316 | 294.21304 | 267.68388 | 7.62688 | 0.0605374 | 0.20877224 | 2.8141952 | 21 | — | — |
| 32379 Markadame | 15.0 | $X$ | 319.82028 | 260.98622 | 302.26372 | 3.91385 | 0.1069568 | 0.21379757 | 2.7699220 | 21 | 1 14.6 | 18.8 |
| 32380 2000 $QE_{184}$ | 13.9 | $X$ | 51.57625 | 296.45237 | 354.88201 | 10.42045 | 0.0644228 | 0.19186151 | 2.9772191 | 21 | 9 28.5 | 17.9 |
| 32381 Bellomo | 14.5 | $X$ | 230.32314 | 218.64675 | 26.05891 | 7.36612 | 0.0363017 | 0.20885876 | 2.8134180 | 21 | — | — |
| 32382 2000 $QE_{187}$ | 14.0 | $X$ | 237.03753 | 17.35312 | 10.24587 | 11.97783 | 0.1416678 | 0.17888393 | 3.1195252 | 21 | 5 25.0 | 19.1 |
| 32383 2000 $QG_{188}$ | 14.6 | $X$ | 185.04528 | 311.47984 | 124.46010 | 13.00883 | 0.1346750 | 0.22457624 | 2.6805681 | 21 | 6 7.7 | 19.0 |
| 32384 Scottbest | 14.3 | $X$ | 343.53971 | 68.78444 | 101.90715 | 9.28319 | 0.1409618 | 0.21252577 | 2.7809615 | 21 | — | — |
| 32385 2000 $QU_{191}$ | 12.9 | $X$ | 66.46284 | 28.09482 | 95.79914 | 10.04169 | 0.2423533 | 0.21434902 | 2.7651692 | 21 | 4 11.5 | 16.1 |
| 32386 2000 $QB_{192}$ | 14.0 | $X$ | 283.70377 | 299.59577 | 10.08432 | 16.63318 | 0.1325059 | 0.17683419 | 3.1435851 | 21 | 4 11.4 | 18.6 |
| 32387 D'Egidio | 14.0 | $X$ | 179.75828 | 297.79823 | 114.57424 | 5.93196 | 0.1312416 | 0.17397783 | 3.1778992 | 21 | 5 6.6 | 19.1 |
| 32388 2000 $QU_{201}$ | 14.1 | $X$ | 233.72392 | 102.30609 | 351.88251 | 11.38645 | 0.0957542 | 0.18497691 | 3.0506405 | 21 | 8 23.2 | 18.7 |
| 32389 Michflannory | 14.8 | $X$ | 337.19641 | 194.13521 | 85.95854 | 2.75144 | 0.1427796 | 0.18010153 | 3.1054493 | 21 | 5 20.6 | 18.4 |
| 32390 2000 $QA_{203}$ | 13.4 | $X$ | 196.68723 | 148.30677 | 10.18360 | 9.36463 | 0.1385444 | 0.23772464 | 2.5807935 | 21 | 10 1.1 | 17.4 |
| 32391 2000 $QO_{203}$ | 13.9 | $X$ | 34.95495 | 216.49986 | 19.24313 | 5.10214 | 0.1091555 | 0.18081837 | 3.0972364 | 21 | 6 29.7 | 17.8 |
| 32392 2000 $QF_{207}$ | 13.5 | $X$ | 218.68850 | 128.47651 | 352.75869 | 9.88512 | 0.0553779 | 0.18563000 | 3.0434811 | 21 | 9 11.1 | 18.0 |
| 32393 Galinato | 14.5 | $X$ | 149.70627 | 228.00455 | 217.80592 | 1.15382 | 0.0521813 | 0.17470533 | 3.1690709 | 21 | 5 10.2 | 19.1 |
| 32394 2000 $QL_{210}$ | 13.8 | $X$ | 64.81565 | 183.35403 | 169.24508 | 10.48062 | 0.0949118 | 0.15062578 | 3.4984031 | 21 | 12 26.2 | 19.0 |
| 32395 2000 $QV_{213}$ | 12.3 | $X$ | 58.24785 | 166.28627 | 351.07576 | 5.36759 | 0.1401649 | 0.12368840 | 3.9894841 | 21 | 4 30.1 | 17.5 |
| 32396 2000 $QY_{213}$ | 12.2 | $X$ | 264.33178 | 231.87877 | 124.50277 | 3.92694 | 0.1294263 | 0.08261919 | 5.2209407 | 21 | 5 25.2 | 19.3 |
| 32397 2000 $QL_{214}$ | 11.5 | $X$ | 330.81739 | 168.57379 | 116.02116 | 5.59595 | 0.0093772 | 0.08215840 | 5.2404437 | 21 | 6 3.6 | 18.4 |
| 32398 2000 $QT_{218}$ | 14.3 | $X$ | 291.09581 | 265.09573 | 350.36870 | 5.63933 | 0.0977495 | 0.17320299 | 3.1873698 | 21 | 2 21.9 | 18.9 |
| 32399 2000 $QA_{219}$ | 14.5 | $X$ | 338.95416 | 192.45498 | 229.92738 | 1.01490 | 0.0693364 | 0.19812077 | 2.9141778 | 21 | 12 5.4 | 18.1 |
| 32400 2000 $QK_{220}$ | 14.6 | $X$ | 319.60716 | 165.13699 | 147.90470 | 10.78517 | 0.0634738 | 0.18219474 | 3.0816182 | 21 | 6 15.8 | 18.8 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32401 2000 $QO_{226}$ | 13.9 | X | 130.83658 | 271.16003 | 232.60899 | 9.31123 | 0.0699995 | 0.18277721 | 3.0750677 | 21 | 6 30.7 | 18.5 |
| 32402 2000 $QF_{231}$ | 14.1 | X | 156.07280 | 304.41913 | 41.72890 | 8.44630 | 0.2366436 | 0.21082380 | 2.7959085 | 21 | 1 30.9 | 18.8 |
| 32403 2000 $QK_{249}$ | 13.9 | X | 18.20171 | 110.93009 | 103.22774 | 5.58552 | 0.0800801 | 0.17441217 | 3.1726210 | 21 | 5 5.3 | 18.0 |
| 32404 2000 $RN$ | 13.7 | X | 266.07829 | 101.74645 | 260.89361 | 14.04814 | 0.0964821 | 0.22731321 | 2.6590077 | 21 | 5 31.9 | 17.4 |
| 32405 Jameshill | 14.5 | X | 340.45668 | 243.31235 | 357.46845 | 6.86936 | 0.0848411 | 0.26677207 | 2.3898784 | 21 | 3 27.3 | 16.9 |
| 32406 Tracyhughes | 14.0 | X | 307.10204 | 232.18469 | 337.25313 | 0.99192 | 0.0578439 | 0.20990054 | 2.8041012 | 21 | 1 14.2 | 17.9 |
| 32407 2000 $RT_{1}$ | 14.1 | X | 184.70642 | 354.93886 | 299.96673 | 1.19828 | 0.0498408 | 0.20549312 | 2.8440541 | 21 | — | — |
| 32408 2000 $RU_{12}$ | 14.0 | X | 49.66213 | 38.65779 | 214.10334 | 10.15186 | 0.0592812 | 0.18442699 | 3.0567018 | 21 | 8 3.3 | 18.4 |
| 32409 2000 $RR_{16}$ | 14.2 | X | 92.32571 | 281.04196 | 262.75708 | 7.60378 | 0.1507695 | 0.22762853 | 2.6565516 | 21 | 7 17.3 | 17.9 |
| 32410 2000 $RH_{19}$ | 14.2 | X | 288.28116 | 147.22877 | 286.94288 | 9.30107 | 0.0644265 | 0.18957200 | 3.0011423 | 21 | 10 2.3 | 18.5 |
| 32411 2000 $RY_{24}$ | 14.1 | X | 73.47161 | 336.22470 | 216.82053 | 15.67046 | 0.0430523 | 0.17895122 | 3.1187431 | 21 | 6 18.9 | 18.6 |
| 32412 2000 $RW_{25}$ | 13.0 | X | 276.29555 | 199.68250 | 254.80733 | 8.99933 | 0.0634258 | 0.19060837 | 2.9902539 | 21 | 10 14.2 | 17.1 |
| 32413 2000 $RR_{26}$ | 13.5 | X | 90.43662 | 354.29932 | 275.62071 | 9.03515 | 0.0706400 | 0.19114292 | 2.9846763 | 21 | 10 18.2 | 18.0 |
| 32414 2000 $RT_{29}$ | 13.3 | X | 321.42511 | 181.29525 | 241.64072 | 8.72295 | 0.0693664 | 0.19164591 | 2.9794517 | 21 | 11 8.4 | 17.1 |
| 32415 2000 $RH_{30}$ | 14.3 | X | 101.03441 | 351.88864 | 293.17353 | 9.41388 | 0.0600480 | 0.19368047 | 2.9585494 | 21 | 11 18.7 | 18.8 |
| 32416 2000 $RS_{31}$ | 13.3 | X | 233.90107 | 169.38379 | 212.65344 | 9.02422 | 0.1011271 | 0.17499425 | 3.1655817 | 21 | 5 22.4 | 18.1 |
| 32417 2000 $RK_{32}$ | 14.1 | X | 90.70753 | 278.26516 | 325.55063 | 8.54034 | 0.0482319 | 0.18567109 | 3.0430321 | 21 | 9 13.9 | 18.4 |
| 32418 2000 $RD_{33}$ | 13.9 | X | 14.69436 | 308.84941 | 235.48626 | 7.70951 | 0.2195915 | 0.21424570 | 2.7660582 | 21 | 3 3.4 | 16.6 |
| 32419 2000 $RY_{33}$ | 13.9 | X | 100.43298 | 285.62649 | 341.64980 | 6.56469 | 0.1788405 | 0.23890814 | 2.5722633 | 21 | 11 12.8 | 18.0 |
| 32420 2000 $RS_{40}$ | 11.8 | X | 298.09015 | 359.25603 | 314.04146 | 13.85903 | 0.0692124 | 0.08023880 | 5.3236940 | 21 | 5 18.4 | 18.8 |
| 32421 2000 $RB_{41}$ | 14.1 | X | 227.17171 | 256.07132 | 306.57987 | 9.38033 | 0.1015762 | 0.19821216 | 2.9132820 | 21 | 12 25.3 | 18.3 |
| 32422 2000 $RO_{42}$ | 13.8 | X | 117.54955 | 10.34296 | 257.83550 | 9.03775 | 0.0643128 | 0.19245456 | 2.9710998 | 21 | 11 17.8 | 18.2 |
| 32423 2000 $RO_{43}$ | 13.2 | X | 344.95156 | 72.16184 | 288.37971 | 7.08919 | 0.1150786 | 0.18563855 | 3.0433876 | 21 | 9 19.4 | 17.0 |
| 32424 Caryjames | 14.9 | X | 119.07616 | 317.31249 | 358.33830 | 5.91994 | 0.0997851 | 0.25140955 | 2.4862695 | 21 | — | — |
| 32425 2000 $RL_{64}$ | 14.5 | X | 119.25087 | 247.76075 | 225.02653 | 14.28435 | 0.1499327 | 0.22200648 | 2.7012137 | 21 | 5 17.9 | 18.4 |
| 32426 2000 $RP_{68}$ | 14.5 | X | 85.82566 | 246.75025 | 31.39161 | 12.34078 | 0.2503389 | 0.23992320 | 2.5650031 | 21 | 11 18.7 | 18.7 |
| 32427 2000 $RU_{68}$ | 14.0 | X | 216.72489 | 2.45655 | 111.06477 | 3.67105 | 0.1773261 | 0.18155783 | 3.0888209 | 21 | 8 20.1 | 19.0 |
| 32428 Peterlangley | 14.9 | X | 290.67078 | 175.52605 | 359.44300 | 6.75082 | 0.0878039 | 0.25166257 | 2.4846028 | 21 | — | — |
| 32429 2000 $RP_{83}$ | 13.8 | X | 354.27229 | 351.45462 | 222.66501 | 8.00189 | 0.0361969 | 0.16899151 | 3.2401078 | 21 | 3 29.5 | 18.2 |
| 32430 2000 $RQ_{83}$ | 12.0 | X | 291.78448 | 75.11311 | 255.63852 | 6.76936 | 0.0561044 | 0.08039727 | 5.3166962 | 21 | 6 4.6 | 19.0 |
| 32431 2000 $RC_{84}$ | 14.3 | X | 245.04536 | 164.51725 | 182.50539 | 9.42465 | 0.0888873 | 0.17719924 | 3.1392662 | 21 | 4 23.2 | 19.0 |
| 32432 2000 $RT_{86}$ | 13.7 | X | 90.93214 | 271.57241 | 245.50914 | 4.69974 | 0.0880779 | 0.17373539 | 3.1808548 | 21 | 6 3.3 | 18.2 |
| 32433 2000 $RF_{92}$ | 13.1 | X | 122.30120 | 54.94987 | 318.94522 | 4.94334 | 0.0563256 | 0.15834311 | 3.3837890 | 21 | 1 16.4 | 17.8 |
| 32434 2000 $RW_{96}$ | 11.9 | X | 269.38881 | 103.34645 | 256.40330 | 23.47597 | 0.1481335 | 0.08311026 | 5.2003547 | 21 | 5 31.4 | 18.9 |
| 32435 2000 $RZ_{96}$ | 11.2 | X | 339.67106 | 343.99188 | 280.72413 | 21.74536 | 0.1266073 | 0.08270068 | 5.2175105 | 21 | 5 11.1 | 17.8 |
| 32436 2000 $RQ_{97}$ | 13.2 | X | 188.42677 | 151.39089 | 295.29315 | 21.11285 | 0.0457745 | 0.22486302 | 2.6782885 | 21 | 6 25.8 | 17.1 |
| 32437 2000 $RR_{97}$ | 11.2 | X | 321.71919 | 30.24472 | 269.28386 | 23.11490 | 0.1240173 | 0.08317133 | 5.1978084 | 21 | 5 29.3 | 17.7 |
| 32438 2000 $RW_{98}$ | 13.4 | X | 172.52095 | 147.54640 | 272.40323 | 12.78550 | 0.1177977 | 0.17158225 | 3.2074100 | 21 | 5 3.8 | 18.7 |
| 32439 2000 $RO_{99}$ | 13.9 | X | 210.84366 | 251.43230 | 245.55947 | 12.88067 | 0.1105274 | 0.18640563 | 3.0350327 | 21 | 9 10.4 | 18.9 |
| 32440 2000 $RC_{100}$ | 11.4 | X | 333.17568 | 352.42017 | 319.33394 | 31.37395 | 0.0273584 | 0.08421940 | 5.1545959 | 21 | 7 13.7 | 18.4 |
| 32441 2000 $RO_{100}$ | 13.3 | X | 70.78837 | 268.30074 | 334.90515 | 26.78579 | 0.1274613 | 0.23046504 | 2.6347091 | 21 | 9 2.8 | 16.9 |
| 32442 2000 $RS_{100}$ | 12.8 | X | 37.52232 | 321.13526 | 270.76901 | 16.05668 | 0.1108422 | 0.17692368 | 3.1425249 | 21 | 6 28.1 | 16.6 |
| 32443 2000 $RD_{101}$ | 13.9 | X | 184.01075 | 252.04697 | 299.94621 | 15.32085 | 0.1367408 | 0.23775146 | 2.5805994 | 21 | 10 23.1 | 18.2 |
| 32444 2000 $RL_{101}$ | 13.1 | X | 27.41965 | 270.32335 | 286.16835 | 13.56428 | 0.1003471 | 0.17077215 | 3.2175454 | 21 | 4 19.8 | 17.4 |
| 32445 2000 $RC_{104}$ | 13.4 | X | 47.18705 | 340.38915 | 283.14436 | 10.79979 | 0.1494196 | 0.23087235 | 2.6316095 | 21 | 8 28.9 | 16.8 |
| 32446 2000 $SY_{5}$ | 13.9 | X | 214.55311 | 341.39046 | 116.81355 | 12.75750 | 0.1472823 | 0.23051685 | 2.6343143 | 21 | 8 2.5 | 18.0 |
| 32447 2000 $SG_{6}$ | 14.0 | X | 297.11873 | 221.66406 | 51.49988 | 18.62090 | 0.1844544 | 0.17232827 | 3.1981466 | 21 | 3 19.9 | 18.9 |
| 32448 2000 $SD_{12}$ | 13.6 | X | 139.97414 | 62.06517 | 333.34049 | 14.06498 | 0.1320407 | 0.16956890 | 3.2327485 | 21 | 3 5.8 | 18.6 |
| 32449 Crystalmiller | 14.8 | X | 134.21928 | 285.58407 | 276.23804 | 8.90160 | 0.1198888 | 0.28145229 | 2.3060366 | 21 | 9 22.3 | 18.5 |
| 32450 2000 $SH_{25}$ | 13.3 | X | 176.93559 | 197.40440 | 172.18175 | 24.54939 | 0.1080670 | 0.17208745 | 3.2011296 | 21 | 3 11.5 | 18.3 |
| 32451 2000 $SP_{25}$ | 11.8 | X | 291.62969 | 64.97574 | 248.12419 | 19.70288 | 0.0998881 | 0.08267262 | 5.2186910 | 21 | 5 8.5 | 18.6 |
| 32452 2000 $SC_{39}$ | 14.2 | X | 49.06276 | 353.79848 | 145.89206 | 8.77458 | 0.2145377 | 0.21074542 | 2.7966018 | 21 | 3 24.4 | 17.0 |
| 32453 Kanamishogo | 13.4 | X | 169.13779 | 149.79290 | 11.07769 | 10.85182 | 0.0617280 | 0.18238506 | 3.0794740 | 21 | 9 6.9 | 18.0 |
| 32454 2000 $SD_{50}$ | 14.3 | X | 254.64534 | 58.09917 | 245.12005 | 4.04743 | 0.1003579 | 0.17014169 | 3.2254890 | 21 | 3 7.9 | 19.2 |
| 32455 2000 $SW_{60}$ | 13.0 | X | 119.25426 | 116.13576 | 12.47583 | 8.95390 | 0.1651852 | 0.12503725 | 3.9607409 | 21 | 6 10.2 | 19.1 |
| 32456 2000 $SH_{72}$ | 13.1 | X | 156.98328 | 117.39011 | 37.03463 | 16.84811 | 0.1550312 | 0.17834601 | 3.1257947 | 21 | 8 24.2 | 18.5 |
| 32457 2000 $SZ_{85}$ | 14.1 | X | 10.42680 | 315.93491 | 48.53670 | 11.37064 | 0.0598386 | 0.18910978 | 3.0060305 | 21 | 11 5.3 | 17.9 |
| 32458 2000 $SF_{87}$ | 14.1 | X | 211.40620 | 241.00710 | 47.86031 | 12.20439 | 0.2349336 | 0.25643026 | 2.4537098 | 21 | — | — |
| 32459 2000 $SK_{87}$ | 13.7 | X | 106.60551 | 168.01807 | 59.34822 | 12.45720 | 0.2417041 | 0.23196476 | 2.6233408 | 21 | 10 12.3 | 18.2 |
| 32460 2000 $SY_{92}$ | 12.2 | X | 183.24649 | 172.57476 | 262.16415 | 11.00012 | 0.3069513 | 0.12535353 | 3.9540760 | 21 | 6 5.2 | 18.9 |
| 32461 2000 $SP_{93}$ | 11.9 | X | 294.84830 | 146.83254 | 188.76095 | 30.89132 | 0.0689513 | 0.08435326 | 5.1491412 | 21 | 6 11.5 | 19.0 |
| 32462 Janmitchener | 14.2 | X | 178.33729 | 300.02461 | 166.60699 | 0.90188 | 0.1428586 | 0.17475404 | 3.1684819 | 21 | 7 7.9 | 19.2 |
| 32463 2000 $SO_{129}$ | 14.2 | X | 329.70708 | 4.73826 | 230.22640 | 17.09738 | 0.0832255 | 0.17245910 | 3.1965289 | 21 | 3 13.2 | 18.8 |
| 32464 2000 $SB_{132}$ | 11.6 | X | 136.26196 | 264.65795 | 234.86051 | 25.22689 | 0.0163220 | 0.08211662 | 5.2422211 | 21 | 6 24.6 | 18.8 |
| 32465 2000 $SM_{141}$ | 13.7 | X | 282.81085 | 222.08397 | 270.88463 | 9.29748 | 0.0593034 | 0.19348205 | 2.9605718 | 21 | 12 14.1 | 17.5 |
| 32466 2000 $SN_{153}$ | 13.2 | X | 52.80725 | 221.26673 | 31.45294 | 16.10042 | 0.2442810 | 0.22952226 | 2.6419191 | 21 | 9 20.1 | 16.7 |
| 32467 2000 $SL_{174}$ | 11.8 | X | 246.70004 | 188.14700 | 218.62563 | 29.67275 | 0.0254022 | 0.08241804 | 5.2294319 | 21 | 7 7.3 | 19.1 |
| 32468 2000 $SS_{176}$ | 13.5 | X | 9.26230 | 262.00200 | 356.82775 | 12.50609 | 0.1581677 | 0.22296513 | 2.6934655 | 21 | 6 16.9 | 16.5 |
| 32469 2000 $SL_{188}$ | 13.6 | X | 330.00664 | 336.24351 | 236.15855 | 8.92368 | 0.1526386 | 0.21159735 | 2.7890903 | 21 | 1 29.9 | 17.3 |
| 32470 2000 $SD_{190}$ | 14.2 | X | 128.51134 | 306.21226 | 149.88200 | 11.53951 | 0.0470187 | 0.17305991 | 3.1891264 | 21 | 5 1.7 | 19.0 |
| 32471 2000 $SK_{205}$ | 12.2 | X | 330.30699 | 163.47583 | 147.76223 | 2.66798 | 0.0509874 | 0.08031033 | 5.3205326 | 21 | 6 29.8 | 19.0 |
| 32472 2000 $SC_{210}$ | 14.2 | X | 334.66191 | 305.05383 | 62.48062 | 11.02444 | 0.0799494 | 0.18539609 | 3.0460405 | 21 | 9 23.2 | 18.2 |
| 32473 2000 $SG_{210}$ | 13.9 | X | 149.46533 | 101.48847 | 68.82096 | 9.67980 | 0.1003587 | 0.22897297 | 2.6461426 | 21 | 9 3.0 | 18.1 |
| 32474 2000 $SP_{212}$ | 12.7 | X | 272.45476 | 243.03076 | 65.12399 | 13.01509 | 0.1099356 | 0.17070916 | 3.2183368 | 21 | 4 8.7 | 17.6 |
| 32475 2000 $SD_{234}$ | 10.8 | X | 317.42687 | 286.44925 | 18.75873 | 30.68843 | 0.0962721 | 0.08288465 | 5.2097872 | 21 | 5 21.9 | 17.7 |
| 32476 2000 $SP_{237}$ | 13.7 | X | 183.75078 | 88.88872 | 79.71278 | 10.51992 | 0.0104199 | 0.18670819 | 3.0317529 | 21 | 10 7.4 | 18.1 |
| 32477 2000 $SV_{238}$ | 13.5 | X | 317.51324 | 286.86403 | 59.47898 | 15.12876 | 0.1093671 | 0.18027174 | 3.1034942 | 21 | 7 23.2 | 17.7 |
| 32478 2000 $SV_{289}$ | 12.0 | X | 356.27069 | 277.96028 | 341.11502 | 9.66969 | 0.1676094 | 0.08275572 | 5.2151970 | 21 | 5 29.3 | 18.1 |
| 32479 2000 $SL_{312}$ | 13.0 | X | 38.66538 | 20.46264 | 313.96068 | 14.21261 | 0.1922284 | 0.23894999 | 2.5719630 | 21 | 12 2.2 | 16.6 |
| 32480 2000 $SG_{348}$ | 11.3 | X | 285.39054 | 207.17387 | 127.88501 | 21.59201 | 0.0928672 | 0.08205309 | 5.2449267 | 21 | 6 2.2 | 18.4 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32481 2000 $SF_{352}$ | 13.8 | X | 332.39299 | 261.91545 | 62.72577 | 10.36613 | 0.0974977 | 0.18420933 | 3.0591091 | 21 | 7 17.7 | 17.7 |
| 32482 2000 $ST_{354}$ | 11.0 | X | 356.52916 | 219.42741 | 52.77110 | 12.14731 | 0.0276723 | 0.08456970 | 5.1403521 | 21 | 6 17.4 | 17.7 |
| 32483 2000 $SM_{362}$ | 14.0 | X | 62.43883 | 51.71509 | 163.74866 | 12.83276 | 0.0790596 | 0.18400276 | 3.0613982 | 21 | 7 8.6 | 18.3 |
| 32484 2000 $TV_{29}$ | 13.3 | X | 126.99426 | 285.82882 | 316.66434 | 16.89543 | 0.1880382 | 0.23804185 | 2.5785002 | 21 | 11 1.9 | 18.0 |
| 32485 2000 $TY_{44}$ | 13.7 | X | 231.99764 | 357.86982 | 43.10567 | 14.33362 | 0.1230554 | 0.17703534 | 3.1412035 | 21 | 6 8.1 | 18.7 |
| 32486 2000 $TY_{56}$ | 12.9 | X | 339.65897 | 257.49431 | 77.52782 | 12.11658 | 0.1349539 | 0.18430772 | 3.0580203 | 21 | 8 13.7 | 16.6 |
| 32487 2000 $TM_{61}$ | 13.6 | X | 325.60758 | 293.80619 | 108.86630 | 12.21450 | 0.1241718 | 0.18767475 | 3.0213345 | 21 | 10 23.3 | 17.4 |
| 32488 2000 $TF_{64}$ | 13.8 | X | 116.04278 | 115.81129 | 89.78721 | 11.76863 | 0.0425575 | 0.18364907 | 3.0653275 | 21 | 9 3.0 | 18.4 |
| 32489 2000 $UG_{17}$ | 13.9 | X | 2.36940 | 323.52418 | 58.68225 | 10.16120 | 0.0251669 | 0.18980981 | 2.9986350 | 21 | 11 13.9 | 17.8 |
| 32490 2000 $UU_{27}$ | 13.6 | X | 268.86417 | 143.87488 | 297.66790 | 11.52701 | 0.0371970 | 0.23527367 | 2.5986861 | 21 | 9 23.2 | 17.2 |
| 32491 2000 $UU_{107}$ | 13.8 | X | 52.53480 | 146.21683 | 82.43949 | 14.78709 | 0.1235245 | 0.22204538 | 2.7008982 | 21 | 7 21.2 | 17.2 |
| 32492 2000 $VJ_{15}$ | 13.2 | X | 287.72787 | 199.71697 | 64.81692 | 10.56890 | 0.2192127 | 0.21133264 | 2.7914188 | 21 | 2 11.5 | 17.6 |
| 32493 2000 $WR_{3}$ | 13.9 | X | 64.84214 | 97.38278 | 114.78771 | 13.51316 | 0.1308938 | 0.22597344 | 2.6695074 | 21 | 7 16.9 | 17.1 |
| 32494 2000 $WY_{125}$ | 13.3 | X | 113.75294 | 276.29409 | 4.98851 | 11.09012 | 0.0829133 | 0.19020542 | 2.9944757 | 21 | 11 28.5 | 18.0 |
| 32495 2000 $WT_{171}$ | 13.2 | X | 346.69746 | 145.10128 | 143.57547 | 13.81061 | 0.1454350 | 0.22353999 | 2.6888458 | 21 | 6 18.0 | 16.3 |
| 32496 2000 $WX_{182}$ | 10.2 | X | 297.75232 | 274.15832 | 65.86163 | 30.45554 | 0.0792338 | 0.08128361 | 5.2779759 | 21 | 6 15.7 | 17.1 |
| 32497 2000 $XF_{18}$ | 12.8 | X | 351.21628 | 352.36321 | 314.75192 | 13.07104 | 0.1771042 | 0.22489506 | 2.6780341 | 21 | 7 24.9 | 15.4 |
| 32498 2000 $XX_{37}$ | 11.6 | X | 294.70196 | 0.01622 | 76.65412 | 26.30837 | 0.0974866 | 0.08341813 | 5.1875514 | 21 | 10 16.1 | 18.6 |
| 32499 2000 $YS_{11}$ | 10.5 | X | 297.86760 | 245.35309 | 68.71719 | 16.78464 | 0.1624616 | 0.08379180 | 5.1721173 | 21 | 5 12.2 | 17.2 |
| 32500 2000 $YV_{76}$ | 14.7 | X | 85.60461 | 88.24150 | 224.89474 | 1.98749 | 0.2174745 | 0.23662203 | 2.5888046 | 21 | 12 29.1 | 18.9 |
| 32501 2000 $YV_{135}$ | 11.0 | X | 35.02510 | 180.23662 | 55.68885 | 32.11156 | 0.0698477 | 0.08269468 | 5.2177627 | 21 | 6 21.6 | 17.9 |
| 32502 2001 $BG_{77}$ | 14.0 | X | 197.86314 | 133.05977 | 140.50637 | 14.56768 | 0.0719171 | 0.18305940 | 3.0719068 | 21 | — | — |
| 32503 2001 $FN_{57}$ | 13.3 | X | 159.73540 | 36.55486 | 353.74124 | 15.17592 | 0.1326611 | 0.24316506 | 2.5421545 | 21 | 3 13.3 | 17.1 |
| 32504 2001 $HP_{8}$ | 15.4 | X | 350.16363 | 271.45405 | 116.52438 | 23.90721 | 0.1118056 | 0.36118017 | 1.9527806 | 21 | 12 25.4 | 17.2 |
| 32505 2001 $KF_{17}$ | 13.2 | X | 302.85307 | 50.58641 | 248.43811 | 14.23675 | 0.1161622 | 0.24007765 | 2.5639028 | 21 | 4 17.2 | 16.7 |
| 32506 2001 $KP_{30}$ | 15.0 | X | 49.41385 | 193.96810 | 67.10163 | 12.08306 | 0.1612951 | 0.25319141 | 2.4745909 | 21 | 9 15.3 | 18.2 |
| 32507 2001 $LR_{15}$ | 14.6 | X | 96.42096 | 204.75257 | 96.05258 | 9.35168 | 0.2123422 | 0.21171467 | 2.7880598 | 21 | 12 20.1 | 19.2 |
| 32508 2001 $MR_{11}$ | 14.1 | X | 237.82126 | 174.42106 | 178.10531 | 17.29870 | 0.3219889 | 0.18321680 | 3.0701471 | 21 | 4 6.8 | 19.6 |
| 32509 2001 $MW_{29}$ | 13.4 | X | 184.11141 | 356.57050 | 262.10902 | 12.55404 | 0.1337237 | 0.21502010 | 2.7594128 | 21 | — | — |
| 32510 2001 $NS$ | 15.2 | X | 148.17469 | 53.16602 | 292.16612 | 2.66178 | 0.2019474 | 0.27222267 | 2.3578700 | 21 | 1 6.5 | 18.2 |
| 32511 2001 $NX_{17}$ | 12.8 | X | 282.63804 | 345.60569 | 285.72341 | 8.95053 | 0.4286835 | 0.08754111 | 5.0233645 | 21 | 2 3.8 | 20.4 |
| 32512 2001 $OM_{14}$ | 14.8 | X | 215.56629 | 207.41279 | 145.32858 | 2.92549 | 0.2113131 | 0.23055219 | 2.6340452 | 21 | 3 21.7 | 19.2 |
| 32513 2001 $OL_{31}$ | 11.5 | X | 225.15167 | 110.01330 | 266.13302 | 25.37553 | 0.0619220 | 0.08339230 | 5.1886224 | 21 | 5 12.0 | 18.8 |
| 32514 2001 $OK_{34}$ | 13.8 | X | 60.94556 | 89.96931 | 19.43630 | 11.68911 | 0.2251000 | 0.22603930 | 2.6689887 | 21 | 3 5.3 | 16.5 |
| 32515 2001 $OU_{42}$ | 15.0 | X | 51.75330 | 245.01145 | 214.67576 | 9.60449 | 0.1325343 | 0.26760751 | 2.3849019 | 21 | 1 2.6 | 17.4 |
| 32516 2001 $OH_{46}$ | 15.3 | X | 163.86534 | 130.30242 | 282.51619 | 6.54545 | 0.1025376 | 0.28211008 | 2.3024506 | 21 | 4 5.4 | 18.7 |
| 32517 2001 $OA_{54}$ | 13.6 | X | 74.21474 | 21.22435 | 62.32013 | 13.87757 | 0.1540160 | 0.22044432 | 2.7139600 | 21 | 2 13.9 | 17.0 |
| 32518 2001 $OZ_{69}$ | 15.1 | X | 251.90979 | 268.66764 | 127.90584 | 4.85935 | 0.2666822 | 0.23782950 | 2.5800348 | 21 | 6 10.0 | 19.3 |
| 32519 2001 $OB_{73}$ | 15.4 | X | 77.44694 | 10.29483 | 1.58072 | 2.43439 | 0.1805224 | 0.26093984 | 2.4253576 | 21 | — | — |
| 32520 2001 $OG_{73}$ | 14.1 | X | 65.28285 | 269.99708 | 146.56616 | 9.46229 | 0.1558552 | 0.21427687 | 2.7657899 | 21 | — | — |
| 32521 2001 $OR_{80}$ | 13.6 | X | 80.96114 | 186.71620 | 225.73008 | 13.16579 | 0.1533866 | 0.21557700 | 2.7546585 | 21 | 1 6.7 | 17.0 |
| 32522 Judiepersons | 14.7 | X | 144.35758 | 60.49177 | 314.64581 | 6.00191 | 0.1225086 | 0.26898612 | 2.3767462 | 21 | 1 31.0 | 17.8 |
| 32523 2001 $OY_{82}$ | 12.7 | X | 325.01108 | 146.15132 | 34.89895 | 10.59580 | 0.0516635 | 0.17468419 | 3.1693265 | 21 | 1 11.8 | 17.2 |
| 32524 2001 $OC_{85}$ | 14.0 | X | 86.29573 | 195.62167 | 239.52914 | 3.45597 | 0.1694221 | 0.17274972 | 3.1929429 | 21 | 2 25.2 | 18.2 |
| 32525 2001 $OZ_{85}$ | 15.9 | X | 150.17978 | 100.82341 | 247.81829 | 1.52421 | 0.2241788 | 0.26876199 | 2.3780674 | 21 | 1 15.7 | 19.4 |
| 32526 2001 $OD_{98}$ | 13.1 | X | 35.91741 | 357.41000 | 253.80121 | 9.71361 | 0.0677049 | 0.18971484 | 2.9996357 | 21 | 7 15.3 | 17.0 |
| 32527 2001 $OS_{104}$ | 13.5 | X | 115.06316 | 359.52322 | 353.72783 | 4.02423 | 0.0813343 | 0.21200608 | 2.7855043 | 21 | — | — |
| 32528 2001 $OZ_{105}$ | 12.6 | X | 66.57469 | 205.69436 | 276.47109 | 12.37101 | 0.1084746 | 0.17579102 | 3.1560092 | 21 | 3 13.9 | 17.0 |
| 32529 2001 $PD_{7}$ | 14.7 | X | 91.23101 | 151.17242 | 189.09578 | 7.85673 | 0.2295288 | 0.21105982 | 2.7938238 | 21 | — | — |
| 32530 2001 $PW_{12}$ | 15.0 | X | 162.50153 | 212.09765 | 154.05867 | 13.30931 | 0.2173670 | 0.27481701 | 2.3430073 | 21 | 2 16.5 | 18.5 |
| 32531 Ulrikababiaková | 13.6 | X | 110.95949 | 91.53686 | 337.24814 | 12.24030 | 0.1508642 | 0.22360510 | 2.6883238 | 21 | 3 9.9 | 17.2 |
| 32532 Thereus | 9.1 | X | 231.90918 | 87.15240 | 205.19809 | 20.37165 | 0.2005035 | 0.02853941 | 10.6048882 | 21 | 2 10.1 | 20.0 |
| 32533 Tranpham | 14.7 | X | 217.08134 | 37.84765 | 261.05758 | 7.42158 | 0.1271315 | 0.27675068 | 2.3320807 | 21 | 1 9.3 | 18.2 |
| 32534 2001 $PL_{37}$ | 13.0 | X | 172.50637 | 299.77751 | 20.44425 | 17.83259 | 0.1272269 | 0.17166256 | 3.2064095 | 21 | 1 14.6 | 18.4 |
| 32535 2001 $PZ_{40}$ | 15.2 | X | 86.75445 | 205.63018 | 219.64367 | 8.63295 | 0.1390796 | 0.21928933 | 2.7234812 | 21 | 1 29.3 | 18.7 |
| 32536 2001 $PD_{41}$ | 12.6 | X | 284.80374 | 8.41483 | 272.54659 | 9.01533 | 0.0396327 | 0.17948987 | 3.1125004 | 21 | 3 18.5 | 17.2 |
| 32537 2001 $PH_{43}$ | 16.4 | X | 189.59559 | 115.33510 | 189.43256 | 5.08721 | 0.1273329 | 0.27241151 | 2.3567802 | 21 | — | — |
| 32538 2001 $PB_{44}$ | 15.7 | X | 181.07986 | 184.77766 | 208.11627 | 1.22498 | 0.1477473 | 0.23055247 | 2.6340430 | 21 | 4 8.3 | 19.8 |
| 32539 2001 $PD_{59}$ | 13.8 | X | 82.54108 | 289.89927 | 117.79309 | 14.27039 | 0.2144443 | 0.21525190 | 2.7574315 | 21 | 1 14.6 | 16.9 |
| 32540 2001 $PN_{62}$ | 13.4 | X | 235.27184 | 259.38636 | 11.97423 | 17.20038 | 0.1294154 | 0.17428874 | 3.1741187 | 21 | 1 15.2 | 18.8 |
| 32541 2001 $QF_{2}$ | 14.5 | X | 226.29156 | 57.52269 | 334.52696 | 6.97758 | 0.1234315 | 0.28245649 | 2.3005677 | 21 | 5 17.0 | 17.9 |
| 32542 2001 $QK_{7}$ | 13.0 | X | 169.15782 | 189.43362 | 163.24119 | 1.18993 | 0.0726165 | 0.12502536 | 3.9609920 | 21 | 2 16.8 | 18.8 |
| 32543 2001 $QL_{11}$ | 15.5 | X | 316.97219 | 210.24551 | 140.87568 | 1.85891 | 0.2348677 | 0.24371086 | 2.5383575 | 21 | 7 8.7 | 17.8 |
| 32544 Debjaniroy | 15.1 | X | 349.16805 | 138.45648 | 337.68842 | 6.61232 | 0.1024046 | 0.26449634 | 2.4035672 | 21 | — | — |
| 32545 2001 $QV_{13}$ | 13.7 | X | 67.52193 | 18.51240 | 347.44311 | 8.95644 | 0.1690159 | 0.21005078 | 2.8027639 | 21 | — | — |
| 32546 2001 $QE_{14}$ | 14.1 | X | 142.45377 | 156.77418 | 259.76279 | 0.08501 | 0.1558091 | 0.17677342 | 3.1443056 | 21 | 4 5.6 | 19.1 |
| 32547 Shandroff | 15.7 | X | 335.88169 | 298.02501 | 36.55750 | 2.99406 | 0.1896912 | 0.29489495 | 2.2354133 | 21 | 8 6.4 | 16.9 |
| 32548 2001 $QU_{18}$ | 13.9 | X | 237.26718 | 261.33046 | 153.50657 | 10.60275 | 0.1192382 | 0.18947111 | 3.0022076 | 21 | 7 2.9 | 18.6 |
| 32549 Taricco | 15.7 | X | 302.93161 | 219.11797 | 122.06144 | 0.99800 | 0.1603708 | 0.24025710 | 2.5626260 | 21 | 6 11.9 | 18.8 |
| 32550 Sharonthomas | 14.7 | X | 24.63180 | 24.63256 | 336.90841 | 5.61139 | 0.1467410 | 0.25342520 | 2.4730687 | 21 | 12 16.0 | 17.7 |
| 32551 2001 $QF_{22}$ | 16.1 | X | 144.76386 | 254.10554 | 113.93128 | 1.59147 | 0.2295205 | 0.26928143 | 2.3750082 | 21 | 2 4.5 | 19.6 |
| 32552 Jennithomas | 15.7 | X | 228.36142 | 327.14671 | 2.22704 | 7.91352 | 0.1903277 | 0.27864417 | 2.3215039 | 21 | 2 28.7 | 19.4 |
| 32553 2001 $QC_{27}$ | 13.1 | X | 76.76614 | 245.45044 | 115.12240 | 7.21149 | 0.0705003 | 0.16112216 | 3.3447670 | 21 | — | — |
| 32554 2001 $QZ_{28}$ | 14.1 | X | 335.05787 | 218.17512 | 207.04161 | 7.92912 | 0.2197023 | 0.19930482 | 2.9026245 | 21 | 12 7.5 | 16.9 |
| 32555 2001 $QZ_{29}$ | 13.6 | X | 217.31006 | 166.08062 | 181.58911 | 12.68799 | 0.3213594 | 0.22666889 | 2.6640442 | 21 | 3 14.2 | 18.6 |
| 32556 Jennivibber | 14.8 | X | 169.56318 | 200.52553 | 207.49772 | 5.70298 | 0.0891341 | 0.27495825 | 2.3422048 | 21 | 4 8.4 | 17.9 |
| 32557 2001 $QT_{30}$ | 14.0 | X | 29.58610 | 166.89705 | 219.30248 | 1.09158 | 0.0893968 | 0.20254465 | 2.8715884 | 21 | — | — |
| 32558 2001 $QV_{30}$ | 12.6 | X | 356.01991 | 168.24486 | 26.64315 | 22.22304 | 0.0364724 | 0.17048987 | 3.2210959 | 21 | 3 19.3 | 17.2 |
| 32559 2001 $QN_{31}$ | 14.9 | X | 144.81066 | 268.99032 | 68.50312 | 3.38756 | 0.2152476 | 0.26600376 | 2.3944781 | 21 | — | — |
| 32560 2001 $QV_{31}$ | 13.7 | X | 357.03961 | 10.89554 | 55.92599 | 9.05946 | 0.1262352 | 0.25408385 | 2.4687930 | 21 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32561 Waldron | 15.1 | X | 199.46108 | 205.65000 | 201.21865 | 3.11647 | 0.1754121 | 0.23530106 | 2.5984845 | 21 | 5 13.1 | 19.4 |
| 32562 Caseywarner | 14.7 | X | 102.35504 | 235.47842 | 161.99836 | 3.91564 | 0.0944024 | 0.22140703 | 2.7060871 | 21 | 1 11.2 | 18.2 |
| 32563 Nicolezaidi | 14.7 | X | 303.68241 | 301.81730 | 108.38460 | 3.35032 | 0.0878333 | 0.20043737 | 2.8916801 | 21 | 9 28.7 | 18.3 |
| 32564 Glass | 14.5 | X | 191.06182 | 166.86433 | 234.04104 | 11.54079 | 0.1702764 | 0.23113087 | 2.6296467 | 21 | 4 26.9 | 18.7 |
| 32565 2001 $QC_{69}$ | 13.7 | X | 240.44491 | 224.81740 | 195.28245 | 13.16258 | 0.1634854 | 0.23993750 | 2.5649011 | 21 | 7 7.0 | 17.8 |
| 32566 2001 $QC_{70}$ | 13.6 | X | 241.79417 | 168.36721 | 193.97500 | 9.88656 | 0.1044093 | 0.18414261 | 3.0598480 | 21 | 5 6.4 | 18.2 |
| 32567 2001 $QQ_{70}$ | 13.1 | X | 3.41076 | 130.72520 | 328.36625 | 8.42416 | 0.1213777 | 0.21173107 | 2.7879158 | 21 | — | — |
| 32568 2001 $QD_{71}$ | 15.3 | X | 182.88742 | 137.98454 | 166.07696 | 5.12824 | 0.2589127 | 0.26934283 | 2.3746472 | 21 | — | — |
| 32569 Deming | 12.7 | X | 307.61443 | 100.85327 | 9.38411 | 15.00902 | 0.1340555 | 0.20367356 | 2.8609677 | 21 | 12 16.4 | 16.3 |
| 32570 Peruindiana | 13.4 | X | 200.36143 | 82.54927 | 16.38088 | 11.72787 | 0.2160540 | 0.23578992 | 2.5948917 | 21 | 7 20.1 | 18.0 |
| 32571 Brayton | 13.3 | X | 280.67667 | 224.16342 | 35.21343 | 6.72633 | 0.2379039 | 0.17637821 | 3.1490007 | 21 | 1 31.3 | 18.4 |
| 32572 2001 $QR_{74}$ | 15.2 | X | 190.97952 | 352.37508 | 0.74315 | 9.62748 | 0.2582149 | 0.27283886 | 2.3543186 | 21 | 3 1.2 | 19.2 |
| 32573 2001 $QD_{75}$ | 14.2 | X | 40.08528 | 326.59685 | 18.83692 | 1.91355 | 0.0975845 | 0.19965353 | 2.8992437 | 21 | 11 27.5 | 18.0 |
| 32574 2001 $QM_{78}$ | 14.0 | X | 230.50318 | 228.47675 | 206.12802 | 15.80330 | 0.1894750 | 0.18376148 | 3.0640774 | 21 | 7 11.5 | 19.2 |
| 32575 2001 $QY_{78}$ | 15.2 | X | 25.17900 | 98.25531 | 229.10212 | 2.23223 | 0.3375136 | 0.29712723 | 2.2242029 | 21 | 12 10.9 | 17.8 |
| 32576 2001 $QK_{79}$ | 14.1 | X | 210.97626 | 28.31730 | 11.88903 | 9.73322 | 0.0258249 | 0.18048140 | 3.1010903 | 21 | 5 21.0 | 18.7 |
| 32577 2001 $QC_{87}$ | 14.0 | X | 260.04043 | 189.24818 | 237.24421 | 12.43536 | 0.1283355 | 0.24287089 | 2.5442068 | 21 | 8 9.1 | 17.7 |
| 32578 2001 $QY_{88}$ | 13.2 | X | 289.71738 | 338.14150 | 339.56066 | 9.24336 | 0.1575564 | 0.18247085 | 3.0785087 | 21 | 4 23.1 | 17.8 |
| 32579 Allendavia | 14.8 | X | 140.74807 | 74.48433 | 323.32131 | 6.19149 | 0.1191399 | 0.27171249 | 2.3608206 | 21 | 2 23.5 | 18.0 |
| 32580 Avbalasingam | 15.9 | X | 276.20238 | 204.97803 | 179.75918 | 6.98053 | 0.1088431 | 0.29021183 | 2.2593975 | 21 | 7 12.1 | 18.7 |
| 32581 2001 $QW_{98}$ | 15.2 | X | 7.68586 | 121.09231 | 177.83770 | 6.96832 | 0.2673673 | 0.29497622 | 2.2350026 | 21 | 9 6.3 | 16.1 |
| 32582 Mayachandar | 15.9 | X | 190.63389 | 324.40620 | 31.34295 | 1.76639 | 0.1973687 | 0.27347701 | 2.3506547 | 21 | 2 28.5 | 19.6 |
| 32583 2001 $QZ_{101}$ | 13.4 | X | 149.35037 | 125.37439 | 18.05722 | 22.51729 | 0.0432561 | 0.23614115 | 2.5923180 | 21 | 7 31.5 | 17.6 |
| 32584 2001 $QW_{105}$ | 14.7 | X | 93.56703 | 256.27896 | 197.47325 | 21.36081 | 0.0698412 | 0.22745722 | 2.6578853 | 21 | 3 5.1 | 18.5 |
| 32585 2001 $QQ_{107}$ | 14.7 | X | 211.98870 | 330.35709 | 171.77652 | 4.87221 | 0.0838767 | 0.29213447 | 2.2494733 | 21 | 10 8.1 | 17.5 |
| 32586 2001 $QQ_{116}$ | 13.3 | X | 158.11621 | 342.36209 | 213.63433 | 9.19386 | 0.1010152 | 0.19889922 | 2.9065691 | 21 | 10 5.3 | 17.8 |
| 32587 2001 $QO_{117}$ | 15.0 | X | 3.24584 | 16.67257 | 303.21831 | 6.15501 | 0.2066041 | 0.24500066 | 2.5294410 | 21 | 9 11.1 | 17.2 |
| 32588 2001 $QD_{124}$ | 16.4 | X | 141.04918 | 206.17899 | 32.39263 | 2.61635 | 0.1363699 | 0.30643676 | 2.1789243 | 21 | 11 24.2 | 19.4 |
| 32589 2001 $QR_{127}$ | 14.0 | X | 198.55761 | 208.56754 | 220.93388 | 8.32443 | 0.3104188 | 0.18550190 | 3.0448820 | 21 | 6 8.1 | 19.6 |
| 32590 Cynthiachen | 15.3 | X | 218.46645 | 121.24073 | 228.70636 | 5.57232 | 0.1376668 | 0.27999559 | 2.3140279 | 21 | 3 14.0 | 18.9 |
| 32591 2001 $QV_{134}$ | 13.0 | X | 252.25508 | 111.27805 | 303.68350 | 8.78231 | 0.0717088 | 0.18943355 | 3.0026044 | 21 | 7 26.6 | 17.1 |
| 32592 2001 $QR_{135}$ | 13.5 | X | 184.68303 | 18.19673 | 321.12083 | 10.78036 | 0.1365777 | 0.22068434 | 2.7119918 | 21 | 2 6.8 | 17.6 |
| 32593 Crotty | 15.0 | X | 187.90387 | 44.24328 | 297.54457 | 5.12793 | 0.0989453 | 0.27004750 | 2.3705145 | 21 | 2 2.6 | 18.4 |
| 32594 Nathandeng | 15.1 | X | 335.43926 | 321.70983 | 325.42677 | 2.65687 | 0.0131468 | 0.23587524 | 2.5942658 | 21 | 6 5.2 | 18.3 |
| 32595 2001 $QA_{150}$ | 15.7 | X | 162.80095 | 255.89793 | 131.14984 | 7.60502 | 0.1192727 | 0.27296308 | 2.3536043 | 21 | 3 9.5 | 19.0 |
| 32596 Čepek | 15.2 | X | 131.25466 | 162.59406 | 185.19838 | 6.20998 | 0.1369543 | 0.26188194 | 2.4195374 | 21 | — | — |
| 32597 2001 $QC_{157}$ | 15.5 | X | 271.97296 | 180.26412 | 193.56085 | 6.01641 | 0.1978080 | 0.19061669 | 2.9901669 | 21 | 6 10.6 | 20.0 |
| 32598 2001 $QN_{159}$ | 15.0 | X | 220.03103 | 109.02149 | 111.42254 | 1.65013 | 0.0126561 | 0.21286512 | 2.7780052 | 21 | — | — |
| 32599 2001 $QL_{160}$ | 15.3 | X | 77.84739 | 46.24883 | 338.25350 | 1.82221 | 0.0820436 | 0.21521716 | 2.7577281 | 21 | — | — |
| 32600 2001 $QF_{173}$ | 13.9 | X | 201.96849 | 242.17982 | 192.57141 | 11.91469 | 0.0487303 | 0.18937768 | 3.0031949 | 21 | 6 23.9 | 18.6 |
| 32601 2001 $QA_{181}$ | 14.3 | X | 208.28140 | 346.10326 | 62.43671 | 3.39014 | 0.2802102 | 0.18249102 | 3.0782819 | 21 | 5 21.6 | 19.8 |
| 32602 2001 $QE_{185}$ | 12.8 | X | 163.29549 | 228.41359 | 251.31040 | 9.73818 | 0.0582022 | 0.18975727 | 2.9991885 | 21 | 7 6.2 | 17.3 |
| 32603 Ariaeppinger | 14.2 | X | 4.13689 | 120.52769 | 231.42429 | 8.58550 | 0.0800906 | 0.19363198 | 2.9590433 | 21 | 10 10.8 | 18.0 |
| 32604 2001 $QP_{212}$ | 16.3 | X | 94.00692 | 169.02118 | 155.86764 | 1.52258 | 0.1973436 | 0.25933751 | 2.4353375 | 21 | — | — |
| 32605 Lucy | 14.2 | X | 18.62081 | 212.48137 | 48.56077 | 5.43354 | 0.2102581 | 0.18930684 | 3.0039441 | 21 | 7 16.4 | 17.2 |
| 32606 2001 $QY_{217}$ | 14.6 | X | 351.95622 | 188.05456 | 123.73230 | 1.64732 | 0.0460398 | 0.19308900 | 2.9645881 | 21 | 8 1.0 | 18.5 |
| 32607 2001 $QH_{220}$ | 14.0 | X | 37.41876 | 297.14269 | 12.15430 | 8.79826 | 0.2010367 | 0.24448986 | 2.5329628 | 21 | 10 30.0 | 17.1 |
| 32608 Hallas | 15.8 | X | 161.84187 | 192.47707 | 267.17863 | 5.07407 | 0.1127161 | 0.28516698 | 2.2859666 | 21 | 6 10.2 | 19.0 |
| 32609 Jamesfagan | 14.6 | X | 224.64009 | 104.97003 | 335.73000 | 1.53362 | 0.1966943 | 0.18775035 | 3.0205235 | 21 | 7 16.4 | 19.4 |
| 32610 Siennafink | 14.3 | X | 184.77938 | 140.42173 | 8.83029 | 1.77721 | 0.0130800 | 0.19407646 | 2.9545237 | 21 | 9 9.6 | 18.4 |
| 32611 Ananyaganesh | 14.8 | X | 345.95566 | 267.62138 | 113.69077 | 3.23676 | 0.0063593 | 0.20281524 | 2.8690338 | 21 | 10 24.7 | 18.6 |
| 32612 Ghatare | 15.0 | X | 243.92076 | 153.57589 | 26.50927 | 7.52586 | 0.0970693 | 0.25842033 | 2.4410964 | 21 | 12 31.8 | 18.2 |
| 32613 Tseyuenman | 15.7 | X | 190.72353 | 194.98883 | 204.56288 | 1.87491 | 0.1637950 | 0.27940071 | 2.3173113 | 21 | 4 22.8 | 19.3 |
| 32614 Hacegarcia | 15.5 | X | 61.84990 | 243.68411 | 183.61565 | 7.32164 | 0.0779844 | 0.26852046 | 2.3794932 | 21 | — | — |
| 32615 2001 $QU_{277}$ | 11.1 | X | 265.45466 | 225.47061 | 100.41161 | 17.54699 | 0.0335675 | 0.08408645 | 5.1600279 | 21 | 5 9.1 | 18.1 |
| 32616 Nadinehan | 14.9 | X | 116.65683 | 334.48424 | 31.28414 | 6.30446 | 0.0559704 | 0.21782294 | 2.7356906 | 21 | — | — |
| 32617 2001 $QY_{283}$ | 15.5 | X | 107.61512 | 235.44495 | 125.96536 | 7.00637 | 0.1533517 | 0.26303664 | 2.4124513 | 21 | — | — |
| 32618 Leungkamcheung | 13.9 | X | 83.27015 | 198.22376 | 256.97593 | 1.55669 | 0.0243505 | 0.22197051 | 2.7015055 | 21 | 2 18.6 | 17.4 |
| 32619 2001 $QC_{295}$ | 14.9 | X | 127.53200 | 180.44422 | 130.58682 | 5.97430 | 0.1654783 | 0.25643635 | 2.4536709 | 21 | — | — |
| 32620 2001 $QZ_{295}$ | 14.1 | X | 271.83180 | 252.79104 | 143.13298 | 9.89073 | 0.1268688 | 0.23591021 | 2.5940095 | 21 | 7 18.7 | 17.6 |
| 32621 Talcott | 13.2 | X | 234.70691 | 354.70620 | 97.13981 | 16.00224 | 0.0481756 | 0.23817578 | 2.5775335 | 21 | 9 3.1 | 17.0 |
| 32622 Yuewaichun | 15.7 | X | 276.44516 | 258.68792 | 156.36768 | 3.07363 | 0.1293816 | 0.29274183 | 2.2463609 | 21 | 8 25.2 | 17.9 |
| 32623 Samuelkahn | 15.2 | X | 191.04022 | 106.70711 | 1.62237 | 1.36241 | 0.0972675 | 0.24100762 | 2.5573030 | 21 | 7 24.7 | 19.1 |
| 32624 2001 $RQ_{44}$ | 14.3 | X | 177.93509 | 249.75306 | 109.31188 | 3.24809 | 0.1855273 | 0.17057402 | 3.2200365 | 21 | 3 4.6 | 19.7 |
| 32625 2001 $RZ_{45}$ | 14.4 | X | 233.40017 | 343.64100 | 266.73385 | 2.87296 | 0.0354932 | 0.21442131 | 2.7645477 | 21 | — | — |
| 32626 2001 $RX_{64}$ | 14.6 | X | 47.83057 | 256.18422 | 255.12593 | 6.26607 | 0.0596796 | 0.27548446 | 2.3392213 | 21 | 3 5.6 | 17.4 |
| 32627 2001 $RO_{69}$ | 13.9 | X | 140.32458 | 98.78801 | 324.76541 | 4.52806 | 0.0463372 | 0.17540564 | 3.1606302 | 21 | 3 30.5 | 18.5 |
| 32628 Lazorik | 15.5 | X | 111.33008 | 258.60733 | 250.47778 | 5.46390 | 0.0563841 | 0.28269222 | 2.2992886 | 21 | 6 10.7 | 18.3 |
| 32629 2001 $RQ_{70}$ | 14.2 | X | 208.86911 | 68.79344 | 343.57936 | 10.99292 | 0.2862088 | 0.18148915 | 3.0896001 | 21 | 5 23.5 | 19.9 |
| 32630 Ethanlevy | 15.2 | X | 293.33915 | 219.27113 | 338.08594 | 6.02315 | 0.0895566 | 0.26506190 | 2.4001470 | 21 | — | — |
| 32631 Majzoub | 14.8 | X | 99.97741 | 312.18373 | 213.57316 | 4.25534 | 0.0771000 | 0.28264891 | 2.2995234 | 21 | 6 22.2 | 17.6 |
| 32632 2001 $RS_{75}$ | 15.4 | X | 134.47868 | 239.09416 | 124.85419 | 2.95116 | 0.2295236 | 0.26582235 | 2.3955674 | 21 | 1 19.7 | 18.6 |
| 32633 2001 $RY_{93}$ | 14.2 | X | 334.00435 | 208.78500 | 38.24729 | 2.10293 | 0.1194579 | 0.18037925 | 3.1022610 | 21 | 4 4.4 | 18.2 |
| 32634 Sonjamichaluk | 15.1 | X | 160.26527 | 231.17771 | 127.14706 | 6.87329 | 0.0449131 | 0.22229407 | 2.6988835 | 21 | 1 27.4 | 18.7 |
| 32635 2001 $SN$ | 14.7 | X | 252.79249 | 67.59881 | 337.03017 | 0.51374 | 0.2086095 | 0.23775546 | 2.5805704 | 21 | 6 26.8 | 18.4 |
| 32636 2001 $SD_{58}$ | 16.2 | X | 232.69246 | 234.41612 | 185.59060 | 5.13687 | 0.1250904 | 0.28655001 | 2.2786053 | 21 | 7 3.6 | 19.5 |
| 32637 2021 $P$–$L$ | 14.8 | X | 237.51854 | 206.26563 | 210.83149 | 8.28522 | 0.1479265 | 0.23934112 | 2.5691601 | 21 | 7 2.4 | 18.8 |
| 32638 2042 $P$–$L$ | 14.8 | X | 28.32813 | 260.37256 | 231.15281 | 4.76524 | 0.0433709 | 0.26602874 | 2.3943282 | 21 | 1 11.3 | 17.6 |
| 32639 2050 $P$–$L$ | 16.1 | X | 145.98532 | 136.57198 | 236.72457 | 1.29234 | 0.2231201 | 0.26614870 | 2.3936087 | 21 | 2 11.3 | 19.6 |
| 32640 2531 $P$–$L$ | 14.5 | X | 312.59033 | 184.53109 | 182.66025 | 6.79121 | 0.2229564 | 0.24119559 | 2.5559742 | 21 | 7 25.4 | 17.1 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32641 2595 *P–L* | 15.8 | *X* | 345.57239 | 313.66823 | 24.70391 | 3.13573 | 0.2053546 | 0.24181825 | 2.5515847 | 21 | 9 1.4 | 17.8 |
| 32642 2601 *P–L* | 14.0 | *X* | 224.07373 | 241.00194 | 53.93782 | 2.84243 | 0.0377429 | 0.16890660 | 3.2411936 | 21 | 2 1.5 | 18.8 |
| 32643 2609 *P–L* | 16.1 | *X* | 359.47957 | 256.03573 | 31.92321 | 3.42226 | 0.1405545 | 0.28906829 | 2.2653523 | 21 | 7 13.6 | 17.9 |
| 32644 2723 *P–L* | 15.8 | *X* | 152.85415 | 355.55341 | 178.17919 | 4.06294 | 0.0645770 | 0.28971406 | 2.2619847 | 21 | 9 9.1 | 18.8 |
| 32645 2763 *P–L* | 14.8 | *X* | 288.96738 | 341.70013 | 97.94109 | 2.07504 | 0.0553131 | 0.19426495 | 2.9526122 | 21 | 10 18.2 | 18.7 |
| 32646 3010 *P–L* | 13.5 | *X* | 41.34274 | 112.03855 | 227.00076 | 11.52638 | 0.1173796 | 0.19576278 | 2.9375322 | 21 | 11 24.0 | 17.3 |
| 32647 3109 *P–L* | 14.3 | *X* | 43.56819 | 35.65574 | 289.63407 | 10.87601 | 0.0533986 | 0.19505778 | 2.9446061 | 21 | 10 26.8 | 18.5 |
| 32648 3538 *P–L* | 14.6 | *X* | 339.17945 | 70.37399 | 291.22708 | 4.18684 | 0.2464758 | 0.29081736 | 2.2562601 | 21 | 10 1.4 | 15.7 |
| 32649 4056 *P–L* | 16.1 | *X* | 82.76379 | 74.09283 | 307.38114 | 1.17429 | 0.2189286 | 0.26357979 | 2.4091360 | 21 | — | — |
| 32650 4070 *P–L* | 14.4 | *X* | 191.37806 | 191.83705 | 300.46955 | 3.02826 | 0.1210348 | 0.24055770 | 2.5604907 | 21 | 8 23.4 | 18.4 |
| 32651 4208 *P–L* | 14.6 | *X* | 244.62297 | 29.30339 | 190.60009 | 12.49200 | 0.1211759 | 0.21576910 | 2.7530232 | 21 | — | — |
| 32652 4319 *P–L* | 16.1 | *X* | 204.94440 | 44.14347 | 253.65703 | 3.20111 | 0.1298754 | 0.31479756 | 2.1401710 | 21 | — | — |
| 32653 4635 *P–L* | 15.8 | *X* | 1.35226 | 210.70065 | 110.28282 | 1.98734 | 0.1942734 | 0.24193922 | 2.5507341 | 21 | 9 11.1 | 17.9 |
| 32654 4640 *P–L* | 14.5 | *X* | 194.54422 | 175.94555 | 169.11744 | 8.18475 | 0.0989657 | 0.17054237 | 3.2204348 | 21 | 2 27.3 | 19.4 |
| 32655 4692 *P–L* | 15.6 | *X* | 257.93555 | 79.68184 | 170.54613 | 2.82187 | 0.1455629 | 0.26660164 | 2.3908968 | 21 | — | — |
| 32656 4711 *P–L* | 15.8 | *X* | 167.11939 | 148.40678 | 167.47145 | 3.66815 | 0.1896511 | 0.21675421 | 2.7446756 | 21 | — | — |
| 32657 4721 *P–L* | 14.9 | *X* | 316.15493 | 156.59151 | 10.57402 | 2.39719 | 0.0248400 | 0.21615666 | 2.7497316 | 21 | — | — |
| 32658 4800 *P–L* | 16.3 | *X* | 154.16282 | 157.16477 | 155.40917 | 2.46187 | 0.2120853 | 0.26475471 | 2.4020032 | 21 | — | — |
| 32659 4804 *P–L* | 14.6 | *X* | 352.05826 | 97.95648 | 181.37912 | 9.08667 | 0.0926679 | 0.19085866 | 2.9876391 | 21 | 6 17.1 | 18.4 |
| 32660 4826 *P–L* | 14.9 | *X* | 27.36608 | 120.57355 | 201.37216 | 1.43320 | 0.0849304 | 0.19425505 | 2.9527125 | 21 | 10 8.8 | 18.7 |
| 32661 4848 *P–L* | 15.8 | *X* | 272.80832 | 84.60394 | 173.10502 | 2.70376 | 0.1469289 | 0.26749788 | 2.3855535 | 21 | 1 13.5 | 19.4 |
| 32662 4900 *P–L* | 14.3 | *X* | 322.84797 | 153.53892 | 54.11945 | 3.36443 | 0.0508769 | 0.16958443 | 3.2325511 | 21 | 2 10.7 | 18.8 |
| 32663 5553 *P–L* | 15.0 | *X* | 125.65924 | 66.46991 | 29.61648 | 8.11694 | 0.0848518 | 0.26886311 | 2.3774710 | 21 | 4 20.7 | 18.0 |
| 32664 6072 *P–L* | 14.6 | *X* | 183.46176 | 55.76485 | 298.46953 | 1.23398 | 0.0820142 | 0.21879796 | 2.7275573 | 21 | 2 20.5 | 18.7 |
| 32665 6107 *P–L* | 15.0 | *X* | 26.10687 | 83.28547 | 196.36990 | 13.61499 | 0.0465064 | 0.24084662 | 2.5584426 | 21 | 8 6.4 | 18.4 |
| 32666 6124 *P–L* | 15.8 | *X* | 176.60801 | 131.99536 | 181.19522 | 4.55908 | 0.2500874 | 0.26600849 | 2.3944497 | 21 | — | — |
| 32667 6180 *P–L* | 15.2 | *X* | 183.75721 | 115.63555 | 210.18793 | 2.43210 | 0.1788690 | 0.21786492 | 2.7353391 | 21 | 1 22.6 | 19.7 |
| 32668 6278 *P–L* | 14.7 | *X* | 116.92013 | 180.53339 | 275.96731 | 2.43178 | 0.1150546 | 0.21985702 | 2.7187910 | 21 | 4 18.1 | 18.4 |
| 32669 6287 *P–L* | 14.6 | *X* | 165.85140 | 67.34574 | 351.39277 | 12.47824 | 0.1321839 | 0.17253015 | 3.1956513 | 21 | 4 24.4 | 19.9 |
| 32670 6323 *P–L* | 15.6 | *X* | 155.52417 | 3.42948 | 352.70808 | 4.83111 | 0.1257543 | 0.21749050 | 2.7384776 | 21 | 1 30.0 | 19.7 |
| 32671 6537 *P–L* | 15.1 | *X* | 126.91223 | 6.86769 | 27.17688 | 3.16984 | 0.1247042 | 0.21767331 | 2.7369441 | 21 | 2 13.9 | 19.0 |
| 32672 6720 *P–L* | 15.1 | *X* | 359.78013 | 0.43229 | 6.57725 | 0.84443 | 0.1217597 | 0.19491322 | 2.9460618 | 21 | 10 28.9 | 18.5 |
| 32673 6742 *P–L* | 16.1 | *X* | 279.28236 | 344.32772 | 89.24534 | 2.39498 | 0.1509356 | 0.29069203 | 2.2569086 | 21 | 9 24.9 | 18.2 |
| 32674 6750 *P–L* | 15.8 | *X* | 352.13634 | 183.17148 | 20.69123 | 3.09521 | 0.1093941 | 0.26847399 | 2.3797677 | 21 | 2 19.7 | 18.3 |
| 32675 6755 *P–L* | 15.1 | *X* | 302.87617 | 27.66314 | 15.13574 | 0.92478 | 0.1200467 | 0.19316148 | 2.9638464 | 21 | 9 11.2 | 18.8 |
| 32676 6802 *P–L* | 16.2 | *X* | 298.36135 | 328.62461 | 16.30197 | 3.99907 | 0.1168976 | 0.23996057 | 2.5647367 | 21 | 6 17.2 | 19.3 |
| 32677 6806 *P–L* | 14.9 | *X* | 82.57810 | 225.79315 | 69.17918 | 3.06364 | 0.0491607 | 0.19583421 | 2.9368179 | 21 | 11 10.9 | 19.1 |
| 32678 7566 *P–L* | 14.8 | *X* | 123.50734 | 109.16257 | 27.16002 | 6.67459 | 0.0782021 | 0.27081169 | 2.3660528 | 21 | 6 11.5 | 18.0 |
| 32679 1070 *T–1* | 14.1 | *X* | 327.56766 | 274.28118 | 355.66215 | 22.28060 | 0.0988022 | 0.17860232 | 3.1228035 | 21 | 4 16.9 | 18.5 |
| 32680 1095 *T–1* | 13.8 | *X* | 295.64146 | 76.46892 | 348.10605 | 8.85002 | 0.1495458 | 0.18658865 | 3.0330477 | 21 | 9 22.5 | 17.7 |
| 32681 1166 *T–1* | 14.4 | *X* | 144.84709 | 154.84700 | 0.30932 | 10.70383 | 0.0790321 | 0.18228601 | 3.0805894 | 21 | 8 5.2 | 19.1 |
| 32682 1177 *T–1* | 14.6 | *X* | 220.84453 | 14.75141 | 249.50448 | 1.85066 | 0.0533127 | 0.21209534 | 2.7847228 | 21 | — | — |
| 32683 1202 *T–1* | 15.8 | *X* | 150.52158 | 40.11200 | 183.29243 | 3.27537 | 0.0921204 | 0.24527362 | 2.5275640 | 21 | 11 7.6 | 19.5 |
| 32684 1269 *T–1* | 14.6 | *X* | 53.08208 | 107.62681 | 350.85947 | 8.90286 | 0.1322390 | 0.21456079 | 2.7633494 | 21 | 1 24.7 | 17.8 |
| 32685 1294 *T–1* | 16.1 | *X* | 252.05686 | 274.70273 | 353.84072 | 2.21489 | 0.1425049 | 0.27212768 | 2.3584187 | 21 | 1 6.9 | 19.6 |
| 32686 2072 *T–1* | 14.5 | *X* | 30.03533 | 8.74376 | 173.69416 | 0.74277 | 0.1270715 | 0.17791854 | 3.1307995 | 21 | 4 12.2 | 18.2 |
| 32687 3166 *T–1* | 14.7 | *X* | 96.87089 | 78.31733 | 191.27607 | 14.77118 | 0.1009609 | 0.24436318 | 2.5338382 | 21 | 11 10.3 | 18.5 |
| 32688 4025 *T–1* | 15.3 | *X* | 180.79749 | 76.12060 | 119.97427 | 3.28342 | 0.0650877 | 0.24578299 | 2.5240706 | 21 | 11 7.6 | 18.8 |
| 32689 4043 *T–1* | 15.3 | *X* | 260.92467 | 236.03616 | 19.75438 | 4.99856 | 0.1987282 | 0.27164556 | 2.3612084 | 21 | — | — |
| 32690 4075 *T–1* | 14.5 | *X* | 32.70682 | 28.14785 | 159.36620 | 6.24321 | 0.0814204 | 0.17814959 | 3.1280918 | 21 | 4 22.4 | 18.5 |
| 32691 4269 *T–1* | 14.8 | *X* | 87.69429 | 66.41797 | 82.40077 | 3.12276 | 0.1096008 | 0.17959629 | 3.1112707 | 21 | 5 22.8 | 19.1 |
| 32692 4329 *T–1* | 15.4 | *X* | 241.17445 | 254.51873 | 48.47359 | 4.03553 | 0.1757000 | 0.27321117 | 2.3521792 | 21 | 2 8.3 | 19.1 |
| 32693 4339 *T–1* | 15.4 | *X* | 296.96307 | 213.78802 | 42.64021 | 6.71672 | 0.0949943 | 0.27425535 | 2.3462051 | 21 | 2 16.2 | 18.5 |
| 32694 4408 *T–1* | 14.6 | *X* | 268.74414 | 310.99306 | 59.62383 | 4.59466 | 0.1971401 | 0.27970723 | 2.3156180 | 21 | 5 29.9 | 17.7 |
| 32695 1016 *T–2* | 14.3 | *X* | 348.71887 | 187.39600 | 359.26717 | 5.04395 | 0.0123915 | 0.21632406 | 2.7483129 | 21 | 2 13.8 | 18.0 |
| 32696 1055 *T–2* | 14.9 | *X* | 171.29304 | 344.69367 | 352.11701 | 2.37089 | 0.1044300 | 0.21488027 | 2.7606098 | 21 | 1 20.8 | 19.0 |
| 32697 1069 *T–2* | 16.2 | *X* | 18.68409 | 69.04253 | 216.45199 | 2.62109 | 0.1468841 | 0.28637219 | 2.2795484 | 21 | 8 20.0 | 18.1 |
| 32698 1104 *T–2* | 15.2 | *X* | 247.75829 | 60.71570 | 13.10220 | 3.27109 | 0.1217979 | 0.28560325 | 2.2836381 | 21 | 8 13.4 | 18.2 |
| 32699 1286 *T–2* | 16.0 | *X* | 213.62893 | 275.52945 | 176.17082 | 4.55980 | 0.1250826 | 0.28454120 | 2.2893171 | 21 | 7 25.3 | 19.2 |
| 32700 1351 *T–2* | 14.4 | *X* | 295.92907 | 273.13521 | 331.92215 | 1.85491 | 0.1326286 | 0.21714382 | 2.7413915 | 21 | 2 2.3 | 18.3 |
| 32701 1353 *T–2* | 15.0 | *X* | 266.43484 | 73.47481 | 7.68102 | 0.80574 | 0.1169846 | 0.24557250 | 2.5255127 | 21 | 9 14.9 | 18.0 |
| 32702 2028 *T–2* | 15.0 | *X* | 199.95250 | 225.74233 | 0.68641 | 6.80034 | 0.0709833 | 0.21022313 | 2.8012318 | 21 | 12 29.4 | 19.2 |
| 32703 2087 *T–2* | 14.0 | *X* | 216.86038 | 0.77713 | 342.23485 | 4.17731 | 0.1062680 | 0.21767754 | 2.7369086 | 21 | 3 13.1 | 18.2 |
| 32704 2140 *T–2* | 12.7 | *X* | 349.18165 | 252.41489 | 12.20119 | 13.17497 | 0.1766732 | 0.17993425 | 3.1073738 | 21 | 5 13.1 | 16.4 |
| 32705 2157 *T–2* | 13.8 | *X* | 247.32382 | 7.69581 | 10.29021 | 16.55280 | 0.1141700 | 0.18041084 | 3.1018988 | 21 | 5 24.8 | 18.8 |
| 32706 2212 *T–2* | 14.8 | *X* | 310.37756 | 145.43239 | 28.91319 | 1.97996 | 0.0268037 | 0.21296997 | 2.7770933 | 21 | — | — |
| 32707 3089 *T–2* | 14.1 | *X* | 93.16903 | 85.61393 | 102.95460 | 2.79502 | 0.0912859 | 0.18063150 | 3.0993721 | 21 | 7 16.8 | 18.4 |
| 32708 3160 *T–2* | 14.3 | *X* | 210.40713 | 218.54662 | 160.96337 | 10.92027 | 0.1139876 | 0.17864750 | 3.1222770 | 21 | 4 26.9 | 19.3 |
| 32709 3355 *T–2* | 14.6 | *X* | 131.60110 | 245.39459 | 160.51995 | 10.19239 | 0.1510304 | 0.21589307 | 2.7519693 | 21 | 3 8.6 | 18.5 |
| 32710 4063 *T–2* | 15.9 | *X* | 221.95108 | 354.54920 | 14.24313 | 7.62012 | 0.1376542 | 0.28122143 | 2.3072984 | 21 | 4 12.4 | 19.4 |
| 32711 4132 *T–2* | 15.0 | *X* | 136.41952 | 117.79048 | 179.22952 | 6.26982 | 0.0345769 | 0.21047380 | 2.7990072 | 21 | — | — |
| 32712 4135 *T–2* | 14.0 | *X* | 242.11945 | 305.82533 | 28.40686 | 8.68652 | 0.0384534 | 0.21866539 | 2.7286595 | 21 | 4 4.4 | 17.9 |
| 32713 4159 *T–2* | 14.2 | *X* | 125.04254 | 64.78136 | 66.69740 | 1.86719 | 0.1676905 | 0.17838857 | 3.1252975 | 21 | 6 19.6 | 19.0 |
| 32714 5008 *T–2* | 15.5 | *X* | 5.79394 | 337.00212 | 291.74377 | 6.23444 | 0.1113485 | 0.28446782 | 2.2897107 | 21 | 6 23.7 | 17.6 |
| 32715 5105 *T–2* | 13.9 | *X* | 4.64581 | 252.36402 | 292.98973 | 7.73321 | 0.2083939 | 0.21697662 | 2.7427997 | 21 | 2 12.6 | 16.7 |
| 32716 5133 *T–2* | 14.7 | *X* | 159.51466 | 76.89387 | 319.76183 | 9.06238 | 0.0562269 | 0.21701587 | 2.7424690 | 21 | 3 13.9 | 18.8 |
| 32717 5155 *T–2* | 14.4 | *X* | 184.52177 | 240.87470 | 267.26543 | 5.10351 | 0.1263089 | 0.28606733 | 2.2811676 | 21 | 9 6.5 | 17.8 |
| 32718 1103 *T–3* | 15.3 | *X* | 14.43309 | 54.56937 | 250.19720 | 6.24389 | 0.1528227 | 0.29025152 | 2.2591915 | 21 | 9 10.6 | 17.4 |
| 32719 1153 *T–3* | 15.8 | *X* | 334.54710 | 26.36774 | 315.16107 | 6.42175 | 0.2543110 | 0.24498193 | 2.5295699 | 21 | 8 2.7 | 17.6 |
| 32720 Simoeisios | 12.0 | *X* | 354.14925 | 24.44967 | 248.04284 | 7.50615 | 0.0158210 | 0.08324154 | 5.1948856 | 21 | 6 15.9 | 18.7 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32721 2335 *T–3* | 14.9 | *X* | 303.42984 | 297.62515 | 248.53871 | 3.03694 | 0.0607715 | 0.20961064 | 2.8066860 | 21 | — | — |
| 32722 3340 *T–3* | 15.5 | *X* | 250.93398 | 69.48883 | 167.51736 | 2.67109 | 0.1400356 | 0.23295880 | 2.6158729 | 21 | — | — |
| 32723 4028 *T–3* | 14.1 | *X* | 212.12957 | 219.44849 | 64.22830 | 7.33122 | 0.2282515 | 0.21169393 | 2.7882419 | 21 | — | — |
| 32724 Woerlitz | 13.5 | *X* | 118.61949 | 59.84240 | 56.66352 | 9.90934 | 0.1398418 | 0.12588635 | 3.9429109 | 21 | 5 24.4 | 19.4 |
| 32725 4057 *T–3* | 15.4 | *X* | 56.85000 | 221.77981 | 60.09846 | 4.29067 | 0.1016938 | 0.29120330 | 2.2542662 | 21 | 10 14.6 | 17.9 |
| 32726 Chromios | 12.1 | *X* | 160.10627 | 35.51047 | 76.77480 | 5.11921 | 0.0101456 | 0.08211380 | 5.2423412 | 21 | 6 23.3 | 19.1 |
| 32727 4268 *T–3* | 16.0 | *X* | 210.67654 | 64.30568 | 65.49474 | 7.72173 | 0.1752850 | 0.28902435 | 2.2655819 | 21 | 9 13.5 | 19.4 |
| 32728 4517 *T–3* | 16.1 | *X* | 43.16697 | 107.26458 | 162.18029 | 6.85664 | 0.1022263 | 0.28943683 | 2.2634289 | 21 | 9 3.5 | 18.2 |
| 32729 5179 *T–3* | 14.4 | *X* | 54.55941 | 35.05570 | 113.46570 | 9.99596 | 0.2311231 | 0.21327865 | 2.7744131 | 21 | 4 22.2 | 17.4 |
| 32730 Lamarr | 14.5 | *X* | 54.77375 | 39.06165 | 338.38828 | 5.74853 | 0.2088071 | 0.29933032 | 2.2132760 | 21 | — | — |
| 32731 Annaivanovna | 15.2 | *X* | 36.58285 | 101.90028 | 244.81143 | 5.68355 | 0.1477309 | 0.30138461 | 2.2032072 | 21 | 12 23.6 | 17.7 |
| 32732 1975 $SH_1$ | 14.7 | *X* | 63.30665 | 285.72243 | 61.07111 | 3.07437 | 0.1053778 | 0.19631136 | 2.9320571 | 21 | 12 28.3 | 18.9 |
| 32733 1976 *SB* | 14.9 | *X* | 341.32549 | 170.85304 | 167.96036 | 9.15046 | 0.2429785 | 0.24047110 | 2.5611054 | 21 | 8 16.5 | 16.7 |
| 32734 Kryukov | 13.3 | *X* | 194.34708 | 302.84033 | 30.58176 | 0.61247 | 0.1488534 | 0.17227214 | 3.1988412 | 21 | 2 15.1 | 18.3 |
| 32735 Strekalov | 14.5 | *X* | 150.00509 | 211.36949 | 194.41800 | 11.38640 | 0.2544426 | 0.26434333 | 2.4044946 | 21 | 3 30.8 | 18.3 |
| 32736 1978 $UE_5$ | 16.3 | *X* | 128.05556 | 98.05992 | 292.79007 | 1.86983 | 0.1720649 | 0.26244151 | 2.4160970 | 21 | 2 8.3 | 19.4 |
| 32737 1978 $UZ_6$ | 16.0 | *X* | 131.79958 | 125.08775 | 219.46358 | 10.42450 | 0.2196367 | 0.26071152 | 2.4267735 | 21 | — | — |
| 32738 1978 $VT_1$ | 15.1 | *X* | 19.56541 | 95.76351 | 28.89401 | 5.83492 | 0.1353635 | 0.25931534 | 2.4354763 | 21 | — | — |
| 32739 1978 $VA_5$ | 14.1 | *X* | 209.70074 | 292.80127 | 94.72253 | 2.91586 | 0.3044963 | 0.17545779 | 3.1600038 | 21 | 4 28.8 | 19.8 |
| 32740 1978 $VB_7$ | 14.5 | *X* | 152.23081 | 144.32227 | 242.15729 | 11.49090 | 0.1502597 | 0.21599156 | 2.7511326 | 21 | 2 28.3 | 19.0 |
| 32741 1978 $VX_8$ | 14.9 | *X* | 189.23554 | 9.31972 | 58.96451 | 1.42441 | 0.1733709 | 0.17423394 | 3.1747842 | 21 | 6 1.2 | 20.2 |
| 32742 1978 $VB_{10}$ | 14.5 | *X* | 266.01722 | 0.50333 | 259.24315 | 9.01265 | 0.1111976 | 0.21436564 | 2.7650263 | 21 | 1 19.6 | 18.7 |
| 32743 1979 $MR_1$ | 14.4 | *X* | 285.78788 | 184.29144 | 142.50442 | 2.82646 | 0.1787618 | 0.18486265 | 3.0518974 | 21 | 5 1.7 | 18.8 |
| 32744 1979 $MR_5$ | 15.4 | *X* | 265.24111 | 81.07623 | 267.00747 | 1.95051 | 0.1369541 | 0.27831703 | 2.3233227 | 21 | 5 2.1 | 18.6 |
| 32745 1981 $DO_1$ | 15.5 | *X* | 71.02056 | 275.74377 | 279.91476 | 6.07227 | 0.1935540 | 0.27430937 | 2.3458971 | 21 | 7 13.5 | 18.2 |
| 32746 1981 $EW_2$ | 14.7 | *X* | 59.30560 | 301.29621 | 319.79824 | 13.19215 | 0.1100032 | 0.22870882 | 2.6481797 | 21 | 9 7.1 | 18.2 |
| 32747 1981 $EY_5$ | 14.5 | *X* | 236.34902 | 60.67444 | 316.88124 | 11.76195 | 0.1907186 | 0.17771751 | 3.1331599 | 21 | 5 7.3 | 19.8 |
| 32748 1981 $EY_7$ | 16.0 | *X* | 76.28686 | 317.27182 | 223.65389 | 5.67486 | 0.1540897 | 0.27436689 | 2.3455692 | 21 | 6 22.8 | 18.8 |
| 32749 1981 $EA_9$ | 14.6 | *X* | 254.03392 | 22.07105 | 332.67081 | 6.85705 | 0.2423690 | 0.27396114 | 2.3478846 | 21 | 4 16.4 | 18.4 |
| 32750 1981 $EG_9$ | 14.4 | *X* | 164.42674 | 298.47220 | 253.90331 | 3.80644 | 0.1791180 | 0.18358577 | 3.0660322 | 21 | 10 5.3 | 19.5 |
| 32751 1981 $EB_{12}$ | 14.3 | *X* | 353.61556 | 324.38747 | 260.40529 | 5.64564 | 0.0823970 | 0.17277713 | 3.1926052 | 21 | 4 7.2 | 18.4 |
| 32752 1981 $EZ_{13}$ | 15.5 | *X* | 91.51355 | 191.41706 | 335.09533 | 11.93166 | 0.1908545 | 0.22581169 | 2.6707820 | 21 | 7 1.9 | 19.4 |
| 32753 1981 $EB_{14}$ | 14.6 | *X* | 261.42989 | 171.27859 | 250.15583 | 5.65326 | 0.1454867 | 0.18108826 | 3.0941582 | 21 | 8 2.7 | 19.2 |
| 32754 1981 $EK_{15}$ | 14.6 | *X* | 204.51118 | 113.69230 | 341.65140 | 10.63420 | 0.1024428 | 0.17940534 | 3.1134780 | 21 | 7 23.2 | 19.5 |
| 32755 1981 $EP_{15}$ | 15.5 | *X* | 216.33963 | 117.94343 | 288.36623 | 4.72465 | 0.1629691 | 0.27554963 | 2.3388525 | 21 | 5 25.6 | 19.2 |
| 32756 1981 $ER_{15}$ | 15.7 | *X* | 31.08559 | 343.31128 | 257.77524 | 4.11493 | 0.1041581 | 0.27446330 | 2.3450199 | 21 | 6 28.7 | 17.9 |
| 32757 1981 $EP_{18}$ | 14.1 | *X* | 46.14276 | 41.88943 | 184.63123 | 8.47604 | 0.1170398 | 0.17643100 | 3.1483725 | 21 | 7 4.6 | 18.3 |
| 32758 1981 $ES_{18}$ | 16.1 | *X* | 75.39807 | 12.65658 | 207.37899 | 1.97465 | 0.1874496 | 0.27606073 | 2.3359648 | 21 | 8 22.5 | 19.1 |
| 32759 1981 $EC_{28}$ | 16.0 | *X* | 349.06293 | 197.66520 | 12.26895 | 4.23134 | 0.1489474 | 0.26967694 | 2.3726855 | 21 | 2 17.5 | 18.3 |
| 32760 1981 $ER_{28}$ | 14.3 | *X* | 264.81232 | 337.74923 | 2.73193 | 15.56382 | 0.1398317 | 0.22409822 | 2.6843786 | 21 | 4 20.8 | 18.4 |
| 32761 1981 $ED_{31}$ | 15.3 | *X* | 180.34686 | 265.14808 | 157.02337 | 3.15172 | 0.1148404 | 0.27431382 | 2.3458717 | 21 | 5 12.2 | 18.7 |
| 32762 1981 $ER_{32}$ | 14.6 | *X* | 243.64832 | 264.44552 | 166.34177 | 10.36999 | 0.2904905 | 0.18240870 | 3.0792079 | 21 | 7 12.0 | 19.9 |
| 32763 1981 $EH_{35}$ | 16.0 | *X* | 198.95358 | 113.81510 | 325.05158 | 3.21956 | 0.2255088 | 0.27780644 | 2.3261685 | 21 | 6 19.8 | 19.9 |
| 32764 1981 $EL_{36}$ | 16.2 | *X* | 154.90592 | 353.03483 | 281.85769 | 2.50507 | 0.1677373 | 0.26033793 | 2.4290946 | 21 | — | — |
| 32765 1981 $EC_{40}$ | 14.6 | *X* | 239.62576 | 70.77730 | 297.46543 | 10.35538 | 0.2326984 | 0.22509568 | 2.6764427 | 21 | 4 23.2 | 19.3 |
| 32766 Voskresenskoe | 14.7 | *X* | 116.50071 | 106.88614 | 263.28599 | 5.55118 | 0.2661264 | 0.26203432 | 2.4185993 | 21 | 1 11.5 | 17.6 |
| 32767 1983 $RY_2$ | 14.7 | *X* | 329.85210 | 271.63181 | 61.10127 | 5.80810 | 0.2806104 | 0.23258924 | 2.6186430 | 21 | 6 30.5 | 16.8 |
| 32768 Alexandripatov | 15.1 | *X* | 358.54300 | 95.99638 | 239.69031 | 4.18928 | 0.2620281 | 0.28574156 | 2.2829011 | 21 | 10 15.0 | 16.3 |
| 32769 1984 $AJ_1$ | 14.6 | *X* | 44.40143 | 137.78608 | 347.18469 | 6.71305 | 0.1941293 | 0.26652599 | 2.3913492 | 21 | 1 30.9 | 16.3 |
| 32770 Starchik | 15.5 | *X* | 7.29831 | 24.22397 | 13.41979 | 2.52484 | 0.1715709 | 0.29497804 | 2.2349935 | 21 | — | — |
| 32771 1985 $RK_3$ | 14.4 | *X* | 88.24658 | 203.89856 | 170.34337 | 10.53573 | 0.2421450 | 0.25533334 | 2.4607322 | 21 | — | — |
| 32772 1986 *JL* | 14.0 | *X* | 23.52233 | 45.71733 | 68.67698 | 25.54244 | 0.0970873 | 0.35894568 | 1.9608764 | 21 | — | — |
| 32773 1986 *TD* | 13.7 | *X* | 158.60287 | 55.18144 | 27.03599 | 33.41013 | 0.3411233 | 0.21291197 | 2.7775976 | 21 | 5 16.1 | 19.2 |
| 32774 1986 *VZ* | 14.5 | *X* | 216.70205 | 342.41036 | 13.70086 | 5.58270 | 0.2085015 | 0.27054301 | 2.3676191 | 21 | 3 23.1 | 18.4 |
| 32775 1986 $WP_2$ | 14.9 | *X* | 177.58193 | 294.90251 | 168.28748 | 2.33931 | 0.1644626 | 0.27241084 | 2.3567840 | 21 | 7 2.8 | 18.6 |
| 32776 Nriag | 13.6 | *X* | 1.93344 | 148.57085 | 142.53686 | 15.01262 | 0.1694920 | 0.23384866 | 2.6092326 | 21 | 7 21.8 | 16.2 |
| 32777 1987 $QF_1$ | 14.3 | *X* | 301.10419 | 132.88662 | 200.87653 | 2.28109 | 0.1932543 | 0.22841066 | 2.6504837 | 21 | 5 25.0 | 17.7 |
| 32778 1988 $CW_1$ | 14.5 | *X* | 26.54083 | 183.28455 | 304.65011 | 8.39639 | 0.1007884 | 0.20903790 | 2.8118103 | 21 | 1 17.8 | 17.6 |
| 32779 1988 $CZ_2$ | 15.9 | *X* | 81.03096 | 39.64933 | 127.35624 | 4.02826 | 0.1704777 | 0.27444340 | 2.3451332 | 21 | 6 12.8 | 18.7 |
| 32780 1988 $CR_5$ | 14.3 | *X* | 43.27514 | 326.08942 | 300.21561 | 9.92885 | 0.2590403 | 0.27626744 | 2.3347994 | 21 | 9 19.2 | 17.1 |
| 32781 1988 $DD_2$ | 14.7 | *X* | 85.46092 | 30.71467 | 135.63557 | 9.02889 | 0.0508476 | 0.27570863 | 2.3379532 | 21 | 5 30.9 | 17.6 |
| 32782 1988 $RX_{10}$ | 14.0 | *X* | 222.27997 | 327.47752 | 22.07659 | 2.53810 | 0.1594122 | 0.17031540 | 3.2232953 | 21 | 3 29.6 | 19.1 |
| 32783 1988 $RK_{13}$ | 14.1 | *X* | 39.54639 | 207.44323 | 124.55402 | 15.05417 | 0.1398306 | 0.24259039 | 2.5461676 | 21 | 11 28.6 | 17.6 |
| 32784 1989 *AR* | 14.5 | *X* | 283.10465 | 356.22219 | 96.31489 | 7.82801 | 0.2530439 | 0.23565013 | 2.5959177 | 21 | 10 6.6 | 17.5 |
| 32785 1989 $CU_1$ | 15.4 | *X* | 281.71729 | 20.63174 | 114.50968 | 5.55546 | 0.0944687 | 0.29634326 | 2.2281240 | 21 | — | — |
| 32786 1989 $GW_2$ | 15.4 | *X* | 285.77200 | 90.03448 | 354.88757 | 2.80188 | 0.0775141 | 0.28990011 | 2.2610168 | 21 | 10 31.8 | 17.8 |
| 32787 1989 $ST_1$ | 15.0 | *X* | 92.49689 | 7.30359 | 74.49728 | 3.20586 | 0.1490826 | 0.26090401 | 2.4255797 | 21 | 2 26.8 | 17.6 |
| 32788 1989 $SJ_3$ | 14.0 | *X* | 240.65801 | 301.37714 | 105.03962 | 2.39248 | 0.2008940 | 0.17764277 | 3.1340387 | 21 | 6 18.6 | 18.9 |
| 32789 1989 $SF_5$ | 14.9 | *X* | 149.95046 | 284.03941 | 80.20729 | 3.03316 | 0.1354751 | 0.26022218 | 2.4298148 | 21 | 1 27.3 | 18.1 |
| 32790 1989 $SM_8$ | 15.0 | *X* | 171.02415 | 318.36464 | 30.42219 | 1.81611 | 0.1978897 | 0.26257913 | 2.4152527 | 21 | 2 4.1 | 18.8 |
| 32791 1989 $TQ_2$ | 13.2 | *X* | 220.57601 | 17.23001 | 46.21012 | 18.35761 | 0.1596646 | 0.17656396 | 3.1467917 | 21 | 6 22.0 | 18.5 |
| 32792 1989 $TR_7$ | 14.7 | *X* | 271.56809 | 347.04535 | 49.46762 | 10.34317 | 0.1074910 | 0.17979774 | 3.1089464 | 21 | 7 24.0 | 19.2 |
| 32793 1989 $TQ_{15}$ | 14.9 | *X* | 156.20896 | 163.67503 | 204.23043 | 2.36797 | 0.2046780 | 0.26157063 | 2.4214569 | 21 | 2 13.0 | 18.7 |
| 32794 1989 $UE_5$ | 12.6 | *X* | 89.79194 | 348.81810 | 200.15379 | 15.05779 | 0.0595220 | 0.08269000 | 5.2179596 | 21 | 7 6.0 | 19.7 |
| 32795 1989 $WA_3$ | 14.3 | *X* | 216.73415 | 0.83964 | 37.42626 | 18.20114 | 0.2195039 | 0.17420559 | 3.1751287 | 21 | 5 15.2 | 19.8 |
| 32796 Ehrenfest | 13.7 | *X* | 11.96343 | 65.13285 | 190.05814 | 12.83576 | 0.1538233 | 0.22706105 | 2.6609760 | 21 | 6 17.5 | 16.6 |
| 32797 1990 *OJ* | 13.9 | *X* | 264.26728 | 19.98239 | 271.49244 | 12.77012 | 0.1803418 | 0.21353638 | 2.7721803 | 21 | 2 15.3 | 18.5 |
| 32798 1990 $OA_2$ | 14.1 | *X* | 101.53274 | 354.35832 | 352.45962 | 14.73760 | 0.2149067 | 0.20148959 | 2.8816040 | 21 | — | — |
| 32799 1990 $QN_1$ | 14.9 | *X* | 56.35317 | 315.54586 | 318.20312 | 4.53069 | 0.1185145 | 0.28741473 | 2.2740327 | 21 | 9 30.5 | 17.6 |
| 32800 1990 $QC_{19}$ | 15.2 | *X* | 210.32998 | 118.06565 | 306.04507 | 22.00657 | 0.0702053 | 0.37705140 | 1.8975898 | 21 | 6 18.2 | 17.7 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32801 1990 $RF_5$ | 14.7 | $X$ | 350.85449 | 124.48366 | 216.87875 | 4.47796 | 0.1966104 | 0.28631501 | 2.2798519 | 21 | 9 25.2 | 16.1 |
| 32802 1990 $SK$ | 14.0 | $X$ | 303.62475 | 326.88649 | 46.99926 | 26.07916 | 0.2685584 | 0.28469785 | 2.2884772 | 21 | 7 15.0 | 16.9 |
| 32803 1990 $SR_1$ | 15.2 | $X$ | 264.59337 | 23.71300 | 309.72931 | 3.32096 | 0.1522990 | 0.27783604 | 2.3260033 | 21 | 4 8.6 | 18.5 |
| 32804 1990 $SO_2$ | 14.5 | $X$ | 330.99917 | 194.68126 | 111.77929 | 6.89690 | 0.2211708 | 0.28178966 | 2.3041956 | 21 | 5 29.8 | 16.4 |
| 32805 1990 $SM_3$ | 14.7 | $X$ | 334.00024 | 284.28488 | 52.73152 | 3.67629 | 0.1991787 | 0.28397267 | 2.2923716 | 21 | 8 4.1 | 16.1 |
| 32806 1990 $SF_{13}$ | 15.6 | $X$ | 128.04844 | 82.83202 | 268.13074 | 0.44296 | 0.1975757 | 0.26709658 | 2.3879423 | 21 | — | — |
| 32807 Quarenghi | 15.0 | $X$ | 334.96888 | 322.12370 | 359.95069 | 2.18871 | 0.1646264 | 0.28245453 | 2.3005783 | 21 | 7 13.2 | 16.8 |
| 32808 Bischoff | 13.8 | $X$ | 75.37723 | 162.67505 | 355.90595 | 4.89150 | 0.1114822 | 0.17857694 | 3.1230993 | 21 | 5 17.5 | 18.0 |
| 32809 Sommerfeld | 14.3 | $X$ | 21.42766 | 331.92758 | 357.21241 | 8.42397 | 0.0922865 | 0.19043424 | 2.9920765 | 21 | 10 8.1 | 18.1 |
| 32810 Steinbach | 16.4 | $X$ | 226.50645 | 33.27252 | 314.47676 | 1.82191 | 0.1781075 | 0.27475069 | 2.3433843 | 21 | 3 20.0 | 20.0 |
| 32811 Apisaon | 11.3 | $X$ | 67.56466 | 159.35573 | 50.50172 | 19.83455 | 0.0786670 | 0.08132416 | 5.2762211 | 21 | 7 9.1 | 18.3 |
| 32812 1990 $UY_4$ | 15.1 | $X$ | 290.78481 | 277.11302 | 88.12719 | 6.25023 | 0.1893008 | 0.28102402 | 2.3083788 | 21 | 6 22.1 | 17.8 |
| 32813 1990 $WH_4$ | 14.6 | $X$ | 9.63229 | 83.32537 | 79.98653 | 11.21985 | 0.1547276 | 0.26559019 | 2.3969632 | 21 | 1 16.9 | 17.0 |
| 32814 1990 $XZ$ | 14.4 | $X$ | 201.14499 | 323.86545 | 53.02619 | 23.17524 | 0.0780094 | 0.36838017 | 1.9272522 | 21 | 4 5.9 | 17.1 |
| 32815 1991 $GK_1$ | 14.5 | $X$ | 56.29390 | 75.09898 | 47.09919 | 3.34830 | 0.1275507 | 0.26003686 | 2.4309691 | 21 | 2 19.3 | 16.8 |
| 32816 1991 $PP_1$ | 15.3 | $X$ | 175.04566 | 342.55027 | 321.50867 | 0.86443 | 0.2179330 | 0.21285018 | 2.7781351 | 21 | — | — |
| 32817 1991 $PZ_5$ | 13.9 | $X$ | 108.97912 | 261.41770 | 331.36381 | 7.70465 | 0.0932081 | 0.23354033 | 2.6115286 | 21 | 9 30.9 | 17.8 |
| 32818 1991 $PL_{10}$ | 14.5 | $X$ | 98.88206 | 149.57383 | 134.82881 | 8.90436 | 0.1724804 | 0.23760199 | 2.5816815 | 21 | 12 5.2 | 18.7 |
| 32819 1991 $PM_{15}$ | 14.0 | $X$ | 67.23419 | 345.24477 | 305.19567 | 3.71528 | 0.2377761 | 0.23465774 | 2.6032315 | 21 | 11 15.6 | 17.9 |
| 32820 1991 $PU_{19}$ | 14.3 | $X$ | 210.62281 | 61.17418 | 292.24203 | 5.60454 | 0.2236064 | 0.21809817 | 2.7333886 | 21 | 3 15.9 | 19.2 |
| 32821 Posch | 14.7 | $X$ | 193.02891 | 41.32168 | 318.49643 | 4.08403 | 0.1205516 | 0.21599413 | 2.7511108 | 21 | 3 9.8 | 19.0 |
| 32822 1991 $RB_{16}$ | 15.4 | $X$ | 139.01028 | 285.80692 | 42.70264 | 3.14959 | 0.1808656 | 0.30864779 | 2.1685058 | 21 | — | — |
| 32823 1991 $TM_8$ | 15.1 | $X$ | 85.00383 | 75.90330 | 13.52927 | 5.83463 | 0.1226780 | 0.21196941 | 2.7858256 | 21 | 3 3.2 | 18.6 |
| 32824 1992 $CJ_3$ | 15.2 | $X$ | 314.48323 | 261.57876 | 173.65325 | 4.15540 | 0.1557778 | 0.29371540 | 2.2413941 | 21 | 12 8.4 | 16.9 |
| 32825 1992 $CK_3$ | 15.1 | $X$ | 284.00264 | 204.56744 | 228.65606 | 2.62584 | 0.1169140 | 0.29027121 | 2.2590893 | 21 | 10 5.7 | 17.2 |
| 32826 1992 $DC_1$ | 14.9 | $X$ | 199.41048 | 27.66214 | 114.61728 | 6.52651 | 0.1191149 | 0.28540330 | 2.2847046 | 21 | 9 21.3 | 18.2 |
| 32827 1992 $DF_1$ | 15.0 | $X$ | 256.60083 | 268.92670 | 149.58442 | 21.18914 | 0.3114452 | 0.28605327 | 2.2812424 | 21 | 7 7.8 | 18.8 |
| 32828 1992 $DM_8$ | 14.2 | $X$ | 81.29859 | 14.32116 | 171.38911 | 16.05377 | 0.1054751 | 0.17714928 | 3.1398564 | 21 | 6 29.7 | 18.9 |
| 32829 1992 $DT_{10}$ | 15.8 | $X$ | 172.13264 | 271.15520 | 289.68846 | 2.44377 | 0.0654680 | 0.28842495 | 2.2687196 | 21 | 11 7.8 | 18.8 |
| 32830 1992 $DL_{11}$ | 14.9 | $X$ | 241.59440 | 234.49698 | 135.96480 | 7.59391 | 0.1346721 | 0.27791334 | 2.3255720 | 21 | 5 9.3 | 18.3 |
| 32831 1992 $DA_{12}$ | 15.2 | $X$ | 167.38467 | 327.27476 | 192.84788 | 0.36658 | 0.1043892 | 0.28415676 | 2.2913814 | 21 | 9 7.4 | 18.4 |
| 32832 1992 $EB_2$ | 14.4 | $X$ | 330.41097 | 65.23676 | 155.89490 | 5.98726 | 0.0988805 | 0.16948420 | 3.2338254 | 21 | 3 1.7 | 18.6 |
| 32833 1992 $EW_2$ | 16.0 | $X$ | 301.04550 | 201.03882 | 38.86859 | 1.91862 | 0.1532991 | 0.26880469 | 2.3778155 | 21 | 1 20.9 | 19.2 |
| 32834 1992 $EO_4$ | 15.0 | $X$ | 282.37605 | 276.55871 | 116.81811 | 5.73402 | 0.0487624 | 0.28394484 | 2.2925214 | 21 | 8 16.2 | 17.5 |
| 32835 1992 $EO_5$ | 14.8 | $X$ | 3.57972 | 188.43574 | 125.36276 | 7.81776 | 0.1467020 | 0.28295433 | 2.2978684 | 21 | 9 7.6 | 16.7 |
| 32836 1992 $EC_6$ | 15.5 | $X$ | 200.44313 | 129.60041 | 16.39723 | 5.30069 | 0.1564201 | 0.28631627 | 2.2798452 | 21 | 9 22.4 | 18.9 |
| 32837 1992 $EK_7$ | 14.2 | $X$ | 130.14946 | 140.30600 | 42.46685 | 6.59208 | 0.1295297 | 0.18046983 | 3.1012229 | 21 | 8 26.9 | 19.1 |
| 32838 1992 $EL_8$ | 14.2 | $X$ | 302.30321 | 227.33900 | 125.84479 | 7.24536 | 0.1451145 | 0.28198998 | 2.3031042 | 21 | 6 30.6 | 16.6 |
| 32839 1992 $EY_8$ | 14.2 | $X$ | 167.63572 | 40.15494 | 111.05115 | 6.84907 | 0.0982969 | 0.18187685 | 3.0852079 | 21 | 8 22.9 | 19.0 |
| 32840 1992 $ED_9$ | 15.1 | $X$ | 206.45030 | 317.93887 | 89.98077 | 5.47268 | 0.0439237 | 0.27812716 | 2.3243799 | 21 | 5 23.1 | 18.1 |
| 32841 1992 $EO_9$ | 13.4 | $X$ | 309.66328 | 304.36385 | 355.61756 | 1.36249 | 0.1368814 | 0.17630383 | 3.1498863 | 21 | 5 4.1 | 17.6 |
| 32842 1992 $EO_{13}$ | 14.0 | $X$ | 247.68095 | 242.68871 | 179.97064 | 4.34556 | 0.2654969 | 0.18441526 | 3.0568313 | 21 | 7 8.3 | 19.0 |
| 32843 1992 $EC_{18}$ | 15.4 | $X$ | 252.41071 | 169.14292 | 219.69005 | 3.28376 | 0.0909624 | 0.28101378 | 2.3084349 | 21 | 6 18.8 | 18.3 |
| 32844 1992 $EN_{25}$ | 14.3 | $X$ | 157.12306 | 289.87615 | 83.06464 | 1.50326 | 0.1488964 | 0.17039173 | 3.2223327 | 21 | 2 28.2 | 19.3 |
| 32845 1992 $FU_1$ | 15.3 | $X$ | 313.24964 | 14.00780 | 150.76390 | 2.55126 | 0.1535574 | 0.26362294 | 2.4088731 | 21 | — | — |
| 32846 1992 $GS_1$ | 14.3 | $X$ | 99.62610 | 11.93025 | 184.66483 | 2.60826 | 0.0843566 | 0.17705722 | 3.1409447 | 21 | 8 2.1 | 18.9 |
| 32847 1992 $JO_3$ | 14.7 | $X$ | 243.36572 | 25.16849 | 283.51439 | 1.91495 | 0.1674732 | 0.26515714 | 2.3995722 | 21 | 2 16.3 | 18.3 |
| 32848 1992 $MD$ | 14.1 | $X$ | 69.34300 | 147.41828 | 131.45743 | 17.31221 | 0.2232268 | 0.24290996 | 2.5439340 | 21 | 11 10.4 | 18.2 |
| 32849 1992 $OO_2$ | 15.1 | $X$ | 24.02698 | 57.62292 | 157.78510 | 1.57310 | 0.1335869 | 0.26696779 | 2.3887102 | 21 | 5 7.6 | 17.0 |
| 32850 1992 $RY_4$ | 15.1 | $X$ | 33.74743 | 316.19287 | 332.15576 | 1.36179 | 0.1712792 | 0.23847165 | 2.5754011 | 21 | 9 21.1 | 18.0 |
| 32851 1992 $RC_6$ | 14.5 | $X$ | 68.33409 | 185.15372 | 118.69858 | 2.05166 | 0.1950648 | 0.24280678 | 2.5446546 | 21 | 11 30.9 | 18.3 |
| 32852 1992 $RE_7$ | 15.1 | $X$ | 354.42470 | 47.75648 | 10.88110 | 7.47673 | 0.2227049 | 0.24320270 | 2.5418922 | 21 | — | — |
| 32853 Döbereiner | 13.7 | $X$ | 204.08881 | 25.83275 | 171.73899 | 14.23195 | 0.0932369 | 0.24386987 | 2.5372540 | 21 | 12 3.7 | 17.6 |
| 32854 1992 $SC_{13}$ | 14.4 | $X$ | 326.89309 | 321.46004 | 18.90113 | 6.18575 | 0.2694171 | 0.23497779 | 2.6008672 | 21 | 7 8.9 | 16.7 |
| 32855 Zollitsch | 15.6 | $X$ | 279.33245 | 196.43505 | 203.65182 | 2.81761 | 0.1937238 | 0.23440013 | 2.6051385 | 21 | 7 23.9 | 19.1 |
| 32856 1992 $SA_{25}$ | 13.9 | $X$ | 293.02088 | 170.69910 | 195.47988 | 12.88660 | 0.2792569 | 0.23391631 | 2.6087295 | 21 | 6 13.0 | 17.6 |
| 32857 1992 $UG_6$ | 14.3 | $X$ | 282.81187 | 339.88276 | 52.30646 | 7.73916 | 0.3128455 | 0.23269145 | 2.6178761 | 21 | 6 30.2 | 18.0 |
| 32858 Kitakamigawa | 13.4 | $X$ | 151.47012 | 141.72190 | 306.03098 | 8.67416 | 0.0684658 | 0.18448944 | 3.0560119 | 21 | 5 12.7 | 18.1 |
| 32859 1993 $EL$ | 14.9 | $X$ | 116.43024 | 88.66126 | 103.51687 | 15.92233 | 0.3401839 | 0.22068452 | 2.7119903 | 21 | 9 14.5 | 20.0 |
| 32860 1993 $FG_5$ | 14.7 | $X$ | 237.44651 | 106.64604 | 61.66610 | 2.81739 | 0.0583769 | 0.19620075 | 2.9331590 | 21 | 11 30.5 | 18.9 |
| 32861 1993 $FM_7$ | 13.9 | $X$ | 18.33942 | 308.59683 | 108.89189 | 3.42670 | 0.0134291 | 0.19895943 | 2.9059828 | 21 | — | — |
| 32862 1993 $FD_{10}$ | 16.0 | $X$ | 309.74588 | 336.17282 | 43.88609 | 5.37611 | 0.1914533 | 0.29339299 | 2.2430359 | 21 | 8 24.2 | 17.7 |
| 32863 1993 $FP_{11}$ | 14.5 | $X$ | 314.41949 | 14.61867 | 77.83456 | 3.22265 | 0.0229680 | 0.19606408 | 2.9345219 | 21 | 12 9.2 | 18.5 |
| 32864 1993 $FW_{15}$ | 13.9 | $X$ | 26.63083 | 267.68418 | 31.09412 | 10.25387 | 0.1010848 | 0.18655476 | 3.0334149 | 21 | 9 13.0 | 17.8 |
| 32865 1993 $FQ_{16}$ | 15.8 | $X$ | 192.54013 | 229.20477 | 97.90311 | 4.02657 | 0.0567087 | 0.31023658 | 2.1610960 | 21 | 1 9.4 | 18.3 |
| 32866 1993 $FW_{16}$ | 14.7 | $X$ | 89.46602 | 245.91621 | 70.79423 | 2.93128 | 0.1146909 | 0.19469808 | 2.9482316 | 21 | 12 21.3 | 19.2 |
| 32867 1993 $FL_{20}$ | 14.6 | $X$ | 289.55234 | 341.40516 | 350.26099 | 8.35670 | 0.1627944 | 0.18124392 | 3.0923863 | 21 | 5 10.9 | 19.1 |
| 32868 1993 $FM_{25}$ | 14.4 | $X$ | 126.46109 | 271.02769 | 241.79181 | 1.49372 | 0.1316073 | 0.18318414 | 3.0705120 | 21 | 7 13.9 | 19.2 |
| 32869 1993 $FW_{26}$ | 13.6 | $X$ | 31.88929 | 337.88718 | 356.11457 | 9.61025 | 0.0951009 | 0.19082420 | 2.9879988 | 21 | 10 28.1 | 17.6 |
| 32870 1993 $FD_{27}$ | 15.7 | $X$ | 246.13930 | 209.83196 | 44.55221 | 1.14440 | 0.1183579 | 0.30757729 | 2.1735345 | 21 | — | — |
| 32871 1993 $FQ_{32}$ | 14.0 | $X$ | 70.17893 | 311.51320 | 45.75875 | 2.53846 | 0.0973511 | 0.19655700 | 2.9296138 | 21 | — | — |
| 32872 1993 $FM_{36}$ | 14.8 | $X$ | 6.32348 | 150.56686 | 141.07986 | 3.58303 | 0.0836300 | 0.18358424 | 3.0660492 | 21 | 7 26.7 | 18.5 |
| 32873 1993 $FS_{37}$ | 14.8 | $X$ | 127.41793 | 145.84999 | 158.24649 | 2.50857 | 0.0702006 | 0.19683939 | 2.9268112 | 21 | — | — |
| 32874 1993 $FJ_{48}$ | 14.7 | $X$ | 191.59778 | 35.74843 | 192.09649 | 1.39682 | 0.0358431 | 0.19706397 | 2.9245872 | 21 | 12 22.1 | 18.7 |
| 32875 1993 $FQ_{58}$ | 15.3 | $X$ | 324.93126 | 279.56153 | 162.24245 | 1.92601 | 0.1129209 | 0.19729848 | 2.9222692 | 21 | 12 9.0 | 18.7 |
| 32876 1993 $FW_{60}$ | 14.5 | $X$ | 306.09143 | 333.86741 | 19.18373 | 12.14918 | 0.2261617 | 0.18501327 | 3.0502408 | 21 | 6 23.8 | 18.6 |
| 32877 1993 $FU_{73}$ | 15.4 | $X$ | 138.34714 | 104.89330 | 220.76394 | 2.08690 | 0.1574113 | 0.30395381 | 2.1907744 | 21 | — | — |
| 32878 1993 $NX$ | 15.6 | $X$ | 273.31748 | 81.58496 | 227.76369 | 1.61698 | 0.2250412 | 0.27454717 | 2.3445423 | 21 | 3 11.4 | 19.2 |
| 32879 1993 $OO_5$ | 15.5 | $X$ | 190.71674 | 8.03791 | 105.85853 | 1.71538 | 0.0765995 | 0.28240633 | 2.3008400 | 21 | 8 2.7 | 18.7 |
| 32880 1993 $OR_5$ | 13.9 | $X$ | 160.53980 | 343.19747 | 179.26121 | 0.91364 | 0.1120434 | 0.17851792 | 3.1237876 | 21 | 8 27.7 | 18.7 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32881 1993 $OK_6$ | 15.1 | X | 97.68236 | 237.48000 | 111.96292 | 4.92538 | 0.1619131 | 0.26000967 | 2.4311386 | 21 | — | — |
| 32882 1993 $RW_6$ | 15.0 | X | 140.69327 | 193.01384 | 221.51798 | 1.66797 | 0.1790739 | 0.26591626 | 2.3950033 | 21 | 3 25.5 | 18.5 |
| 32883 1993 $RJ_7$ | 15.0 | X | 108.61517 | 111.19704 | 339.42348 | 2.22064 | 0.1391795 | 0.26616146 | 2.3935322 | 21 | 3 29.5 | 17.8 |
| 32884 1993 $SO_{14}$ | 15.9 | X | 211.91772 | 87.07241 | 176.83636 | 2.75707 | 0.2170374 | 0.26170226 | 2.4206448 | 21 | — | — |
| 32885 1993 $TC_{25}$ | 15.5 | X | 58.99827 | 331.00748 | 106.87572 | 3.49486 | 0.1722093 | 0.25895323 | 2.4377462 | 21 | — | — |
| 32886 1993 $TS_{26}$ | 15.7 | X | 1.50867 | 59.33644 | 147.71589 | 2.93240 | 0.1085468 | 0.26731549 | 2.3866385 | 21 | 3 12.1 | 18.0 |
| 32887 1993 $TT_{26}$ | 15.5 | X | 170.22321 | 141.15702 | 166.89093 | 2.33180 | 0.2080741 | 0.26046995 | 2.4282737 | 21 | — | — |
| 32888 1993 $TD_{27}$ | 15.4 | X | 249.27018 | 276.81724 | 55.14046 | 3.03641 | 0.2319418 | 0.27039562 | 2.3684794 | 21 | 3 20.2 | 19.2 |
| 32889 1993 $TN_{29}$ | 16.1 | X | 159.15432 | 196.22942 | 125.18367 | 3.25717 | 0.2196674 | 0.26052367 | 2.4279399 | 21 | — | — |
| 32890 Schwob | 15.6 | X | 196.31771 | 54.15244 | 101.14991 | 28.55711 | 0.1669060 | 0.38154817 | 1.8826509 | 21 | 10 26.0 | 18.8 |
| 32891 Amatrice | 14.1 | X | 338.02188 | 109.98395 | 320.46534 | 13.40519 | 0.1407064 | 0.24305848 | 2.5428975 | 21 | — | — |
| 32892 Prufrock | 14.3 | X | 99.55194 | 150.39876 | 116.45727 | 11.40925 | 0.0838587 | 0.19351712 | 2.9602141 | 21 | 11 4.0 | 18.9 |
| 32893 van der Waals | 13.5 | X | 62.72161 | 282.89432 | 145.23875 | 17.76038 | 0.1155616 | 0.21423324 | 2.7661654 | 21 | — | — |
| 32894 1994 $JK_3$ | 14.9 | X | 77.35132 | 180.27826 | 221.50618 | 1.51903 | 0.0537761 | 0.20680656 | 2.8319996 | 21 | — | — |
| 32895 1994 $JL_5$ | 14.9 | X | 152.52656 | 3.92894 | 48.91871 | 5.93452 | 0.1493252 | 0.21622056 | 2.7491898 | 21 | 4 8.7 | 19.1 |
| 32896 1994 $NM_2$ | 13.1 | X | 282.09577 | 200.40159 | 115.10513 | 23.49121 | 0.2172063 | 0.17702129 | 3.1413696 | 21 | 4 19.1 | 18.3 |
| 32897 Curtharris | 14.0 | X | 219.00318 | 129.24019 | 132.59277 | 23.86357 | 0.3024714 | 0.27555201 | 2.3388390 | 21 | — | — |
| 32898 1994 $PS_1$ | 15.5 | X | 50.10230 | 58.92772 | 287.94862 | 5.46570 | 0.2228947 | 0.29996564 | 2.2101498 | 21 | — | — |
| 32899 Knigge | 13.1 | X | 7.00392 | 2.97676 | 292.96124 | 13.44950 | 0.1592468 | 0.18337978 | 3.0683278 | 21 | 8 3.9 | 16.7 |
| 32900 1994 $PG_5$ | 14.2 | X | 358.27218 | 335.03463 | 324.12491 | 7.88895 | 0.1215250 | 0.18091087 | 3.0961805 | 21 | 7 25.7 | 17.8 |
| 32901 1994 $PB_9$ | 14.3 | X | 153.93847 | 261.05218 | 323.88262 | 6.21690 | 0.0541479 | 0.18888696 | 3.0083941 | 21 | 11 2.4 | 18.8 |
| 32902 1994 $PC_{10}$ | 16.7 | X | 118.62462 | 254.26690 | 42.40455 | 0.87737 | 0.1454151 | 0.30290720 | 2.1958179 | 21 | — | — |
| 32903 1994 $PN_{17}$ | 14.2 | X | 279.17354 | 18.54688 | 335.53535 | 4.50334 | 0.0827324 | 0.17697036 | 3.1419724 | 21 | 6 9.9 | 18.6 |
| 32904 1994 $PU_{24}$ | 14.1 | X | 210.02558 | 311.54775 | 101.77281 | 2.78870 | 0.2162268 | 0.17432237 | 3.1737104 | 21 | 5 30.9 | 19.5 |
| 32905 1994 $PX_{32}$ | 14.7 | X | 275.13332 | 29.22512 | 257.84803 | 3.83424 | 0.0998294 | 0.17036893 | 3.2226202 | 21 | 3 10.8 | 19.5 |
| 32906 1994 $RH$ | 15.8 | X | 311.84249 | 92.28173 | 331.18158 | 18.93833 | 0.4399857 | 0.29238327 | 2.2481970 | 21 | 9 14.4 | 16.4 |
| 32907 1994 $RL_2$ | 13.7 | X | 308.96122 | 342.83613 | 333.27486 | 10.28070 | 0.1949038 | 0.17823581 | 3.1270830 | 21 | 5 11.6 | 18.0 |
| 32908 1994 $SE_2$ | 15.1 | X | 105.76336 | 13.10806 | 38.54974 | 3.99647 | 0.1127794 | 0.30886750 | 2.1674774 | 21 | 1 17.7 | 17.1 |
| 32909 1994 $TS$ | 15.3 | X | 81.62690 | 346.10653 | 335.49566 | 1.32741 | 0.1703171 | 0.29906011 | 2.2146090 | 21 | — | — |
| 32910 1994 $TE_{15}$ | 15.0 | X | 117.52053 | 131.60837 | 220.63802 | 4.79846 | 0.2545022 | 0.30564328 | 2.1826938 | 21 | — | — |
| 32911 Cervara | 15.5 | X | 21.96903 | 144.27927 | 203.16725 | 6.39386 | 0.1764271 | 0.29390923 | 2.2404086 | 21 | 12 7.8 | 17.9 |
| 32912 1994 $WS_2$ | 15.2 | X | 130.92132 | 313.52383 | 57.83336 | 4.65153 | 0.1012160 | 0.30436504 | 2.1888006 | 21 | — | — |
| 32913 1994 $YV_3$ | 15.2 | X | 292.93962 | 119.43354 | 291.23512 | 3.20488 | 0.1721456 | 0.28610306 | 2.2809778 | 21 | 9 6.2 | 17.3 |
| 32914 1995 $AG_1$ | 14.2 | X | 229.15432 | 168.18170 | 331.86831 | 5.08264 | 0.0742188 | 0.28646747 | 2.2790430 | 21 | 10 24.7 | 17.0 |
| 32915 1995 $BD_2$ | 15.2 | X | 325.14533 | 160.88845 | 56.03953 | 2.91566 | 0.1463643 | 0.26436839 | 2.4043427 | 21 | 1 22.8 | 18.2 |
| 32916 1995 $CL$ | 14.1 | X | 92.26575 | 59.85538 | 345.95267 | 13.88013 | 0.2945185 | 0.22637534 | 2.6663469 | 21 | 2 10.6 | 17.3 |
| 32917 1995 $CM$ | 15.5 | X | 111.22456 | 182.22409 | 24.37675 | 5.13700 | 0.1995363 | 0.27692865 | 2.3310815 | 21 | 9 17.0 | 19.0 |
| 32918 1995 $CZ$ | 15.8 | X | 39.12832 | 73.51237 | 88.44480 | 3.50262 | 0.1123318 | 0.26651085 | 2.3914398 | 21 | 3 16.2 | 18.1 |
| 32919 1995 $CJ_1$ | 14.2 | X | 139.61030 | 282.05531 | 259.94164 | 4.23841 | 0.1878964 | 0.27794549 | 2.3253927 | 21 | 9 7.1 | 17.9 |
| 32920 1995 $CH_2$ | 15.8 | X | 107.93349 | 326.78693 | 209.76763 | 1.47847 | 0.1535949 | 0.27530278 | 2.3402503 | 21 | 7 28.4 | 19.0 |
| 32921 1995 $EV$ | 14.6 | X | 53.72119 | 8.05020 | 330.71115 | 5.09156 | 0.1655566 | 0.24668899 | 2.5178868 | 21 | 12 25.5 | 18.1 |
| 32922 1995 $EM_2$ | 15.4 | X | 214.96496 | 189.80296 | 198.70616 | 1.25429 | 0.1039687 | 0.27312182 | 2.3526922 | 21 | 5 3.9 | 18.8 |
| 32923 1995 $GF_3$ | 15.3 | X | 339.83239 | 3.59244 | 165.81386 | 10.92455 | 0.1454237 | 0.25895293 | 2.4377481 | 21 | — | — |
| 32924 1995 $GF_6$ | 14.9 | X | 356.60775 | 197.78670 | 146.69859 | 4.87442 | 0.1168970 | 0.23979264 | 2.5659340 | 21 | 10 1.6 | 17.6 |
| 32925 1995 $KF$ | 14.3 | X | 322.72850 | 120.35031 | 126.92782 | 22.83903 | 0.2793659 | 0.26116336 | 2.4239736 | 21 | 2 9.3 | 17.4 |
| 32926 1995 $ME_1$ | 14.0 | X | 83.27833 | 206.94594 | 181.70261 | 9.73936 | 0.1956816 | 0.21168123 | 2.7883534 | 21 | — | — |
| 32927 1995 $OY_3$ | 16.0 | X | 18.23074 | 153.73971 | 153.87342 | 1.17830 | 0.2121668 | 0.19130177 | 2.9830239 | 21 | 9 20.7 | 19.2 |
| 32928 Xiejialin | 15.3 | X | 252.52752 | 8.56442 | 302.57561 | 17.40618 | 0.0715955 | 0.36722427 | 1.9312943 | 21 | 2 14.2 | 17.8 |
| 32929 1995 $QY_9$ | 8.4 | X | 21.71095 | 25.13427 | 341.89859 | 4.82721 | 0.2671926 | 0.00392140 | 39.8267655 | 21 | 11 6.7 | 23.2 |
| 32930 1995 $SC_4$ | 14.2 | X | 241.82920 | 72.37402 | 237.07883 | 4.23342 | 0.1676331 | 0.17397602 | 3.1779212 | 21 | 2 25.4 | 19.3 |
| 32931 Ferioli | 14.6 | X | 277.22389 | 73.65831 | 345.78856 | 8.70158 | 0.1425272 | 0.18545998 | 3.0453408 | 21 | 8 23.9 | 18.8 |
| 32932 1995 $SX_{15}$ | 14.7 | X | 31.59320 | 120.91104 | 181.06647 | 3.50379 | 0.2531802 | 0.19168667 | 2.9790293 | 21 | 10 13.7 | 18.0 |
| 32933 1995 $SF_{21}$ | 15.4 | X | 47.46383 | 140.24042 | 153.66238 | 2.32796 | 0.1522245 | 0.19255903 | 2.9700251 | 21 | 10 11.4 | 19.3 |
| 32934 1995 $SP_{25}$ | 15.2 | X | 312.86942 | 86.88682 | 328.39751 | 1.18040 | 0.1643969 | 0.18883214 | 3.0089764 | 21 | 10 7.9 | 18.6 |
| 32935 1995 $SV_{43}$ | 13.9 | X | 308.39564 | 190.21756 | 201.86631 | 7.44029 | 0.1213070 | 0.18669592 | 3.0318858 | 21 | 9 2.2 | 17.9 |
| 32936 1995 $SA_{44}$ | 14.6 | X | 277.35360 | 161.54289 | 200.82019 | 9.15679 | 0.0644687 | 0.18144717 | 3.0900767 | 21 | 6 20.9 | 19.1 |
| 32937 1995 $TT$ | 12.8 | X | 27.58701 | 321.23476 | 28.54184 | 10.60438 | 0.1173174 | 0.19104229 | 2.9857243 | 21 | 11 15.4 | 16.7 |
| 32938 Ivanopaci | 14.7 | X | 359.44831 | 68.83923 | 31.60093 | 12.56706 | 0.1924794 | 0.19854126 | 2.9100618 | 21 | — | — |
| 32939 Nasimi | 14.7 | X | 262.91649 | 309.31265 | 142.03528 | 2.22757 | 0.1947720 | 0.18424624 | 3.0587006 | 21 | 9 6.9 | 19.0 |
| 32940 1995 $UW_4$ | 14.8 | X | 45.89963 | 279.85246 | 48.52242 | 8.11167 | 0.1352283 | 0.30439082 | 2.1886770 | 21 | 12 8.6 | 17.5 |
| 32941 1995 $UY_4$ | 14.9 | X | 294.94930 | 0.38302 | 24.81878 | 11.19147 | 0.1552204 | 0.18485175 | 3.0520174 | 21 | 8 5.2 | 19.0 |
| 32942 1995 $UD_7$ | 13.8 | X | 258.23756 | 153.29166 | 214.59089 | 16.97583 | 0.2191259 | 0.17985537 | 3.1082822 | 21 | 5 18.1 | 18.7 |
| 32943 Sandyryan | 14.1 | X | 346.27278 | 296.15012 | 71.38375 | 10.95145 | 0.0934054 | 0.18558159 | 3.0440103 | 21 | 10 10.6 | 18.0 |
| 32944 Gussalli | 13.8 | X | 295.16133 | 349.30692 | 28.77823 | 4.47917 | 0.1781604 | 0.18255917 | 3.0775157 | 21 | 7 19.9 | 17.8 |
| 32945 Lecce | 14.3 | X | 178.49885 | 86.73091 | 65.92514 | 11.57468 | 0.0753148 | 0.18102496 | 3.0948795 | 21 | 9 9.6 | 19.2 |
| 32946 1995 $WZ_{17}$ | 14.7 | X | 162.84130 | 221.08345 | 234.84789 | 8.19117 | 0.0332577 | 0.17659010 | 3.1464813 | 21 | 6 5.9 | 19.2 |
| 32947 1995 $YH_2$ | 14.0 | X | 310.26342 | 159.11088 | 255.58035 | 10.15629 | 0.0332726 | 0.18569541 | 3.0427664 | 21 | 10 11.6 | 18.4 |
| 32948 1995 $YA_6$ | 14.3 | X | 332.62450 | 297.08821 | 109.91212 | 3.07803 | 0.0771230 | 0.18831313 | 3.0145025 | 21 | 11 5.6 | 18.0 |
| 32949 1996 $AR_3$ | 14.2 | X | 229.20743 | 269.52304 | 110.63714 | 2.48314 | 0.1666391 | 0.17309152 | 3.1887382 | 21 | 5 10.7 | 19.3 |
| 32950 1996 $CA_1$ | 13.7 | X | 48.54885 | 228.44045 | 26.81246 | 26.80426 | 0.1743944 | 0.17466883 | 3.1695123 | 21 | 9 9.8 | 18.3 |
| 32951 1996 $FA_2$ | 16.0 | X | 188.42130 | 261.44974 | 346.76645 | 5.63594 | 0.1512029 | 0.29895771 | 2.2151146 | 21 | — | — |
| 32952 1996 $FA_{16}$ | 15.2 | X | 202.42807 | 30.84460 | 22.87543 | 6.51776 | 0.1148126 | 0.27953823 | 2.3165512 | 21 | 5 21.9 | 18.6 |
| 32953 1996 $GF_{19}$ | 14.8 | X | 290.49483 | 113.98434 | 195.82207 | 6.32738 | 0.1328113 | 0.27509141 | 2.3414490 | 21 | 4 12.7 | 17.8 |
| 32954 1996 $GP_{20}$ | 15.2 | X | 225.67109 | 110.74006 | 195.82619 | 7.25430 | 0.1659884 | 0.26705400 | 2.3881961 | 21 | 1 27.4 | 19.1 |
| 32955 1996 $HC_2$ | 15.4 | X | 149.81261 | 168.16104 | 110.00448 | 5.14668 | 0.2424341 | 0.29393584 | 2.2402734 | 21 | — | — |
| 32956 1996 $HR_{18}$ | 15.5 | X | 203.03086 | 105.51574 | 221.31207 | 2.00468 | 0.1812828 | 0.26599374 | 2.3945382 | 21 | 2 2.8 | 19.4 |
| 32957 1996 $HX_{20}$ | 16.1 | X | 320.93409 | 177.04075 | 206.89879 | 5.93372 | 0.1163771 | 0.28655085 | 2.2786008 | 21 | 9 27.4 | 18.1 |
| 32958 1996 $HU_{24}$ | 15.4 | X | 282.14935 | 14.48063 | 55.96927 | 7.38746 | 0.0775847 | 0.28817300 | 2.2700418 | 21 | 10 8.6 | 17.8 |
| 32959 1996 $HB_{25}$ | 14.7 | X | 303.61835 | 291.51661 | 71.18733 | 6.60398 | 0.2398915 | 0.24142409 | 2.5543612 | 21 | 6 30.6 | 17.6 |
| 32960 1996 $NO_4$ | 14.6 | X | 338.97446 | 34.93195 | 313.53251 | 12.10615 | 0.2017551 | 0.23718184 | 2.5847295 | 21 | 8 26.5 | 16.8 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 32961 1996 $PS$ | 14.9 | $X$ | 110.13755 | 264.37681 | 316.04507 | 5.83788 | 0.0934862 | 0.27931891 | 2.3177637 | 21 | 9 20.8 | 18.2 |
| 32962 1996 $PH_1$ | 15.3 | $X$ | 77.57859 | 153.37766 | 129.09101 | 2.88889 | 0.0585358 | 0.24261027 | 2.5460285 | 21 | 10 29.0 | 18.7 |
| 32963 1996 $PJ_1$ | 15.4 | $X$ | 280.89381 | 280.02997 | 155.35475 | 0.33761 | 0.0926445 | 0.23917203 | 2.5703708 | 21 | 10 1.2 | 18.6 |
| 32964 1996 $PS_3$ | 15.2 | $X$ | 279.28755 | 125.76770 | 114.00526 | 3.21300 | 0.1655300 | 0.26126068 | 2.4233716 | 21 | — | — |
| 32965 1996 $PX_4$ | 14.7 | $X$ | 233.18980 | 17.21304 | 155.94797 | 4.91827 | 0.0551609 | 0.24631674 | 2.5204230 | 21 | 12 11.9 | 18.1 |
| 32966 1996 $PE_5$ | 15.4 | $X$ | 258.17238 | 262.32191 | 331.37277 | 6.63494 | 0.1577491 | 0.25653085 | 2.4530683 | 21 | — | — |
| 32967 1996 $PG_7$ | 14.4 | $X$ | 188.65656 | 321.64502 | 142.35392 | 16.39704 | 0.1044351 | 0.23347702 | 2.6120007 | 21 | 7 15.2 | 18.5 |
| 32968 1996 $PK_8$ | 15.3 | $X$ | 70.39939 | 343.40299 | 228.18444 | 1.56273 | 0.1692387 | 0.27458109 | 2.3443492 | 21 | 7 31.6 | 18.1 |
| 32969 Motohikosato | 14.8 | $X$ | 214.44720 | 182.37936 | 165.10853 | 5.64769 | 0.2046346 | 0.22316692 | 2.6918416 | 21 | 3 14.8 | 19.4 |
| 32970 1996 $QX$ | 15.8 | $X$ | 19.29633 | 113.70360 | 143.44179 | 5.36556 | 0.1344692 | 0.27420840 | 2.3464729 | 21 | 7 3.9 | 18.0 |
| 32971 1996 $RQ_{10}$ | 15.7 | $X$ | 337.74054 | 329.36038 | 53.58060 | 1.04473 | 0.1083850 | 0.23932622 | 2.5692667 | 21 | 10 21.1 | 18.4 |
| 32972 1996 $SB_2$ | 14.5 | $X$ | 173.36366 | 205.57818 | 190.70152 | 10.99394 | 0.0222032 | 0.22137509 | 2.7063474 | 21 | 3 30.0 | 18.1 |
| 32973 1996 $TN_{11}$ | 14.6 | $X$ | 39.38217 | 217.56062 | 116.49311 | 2.46363 | 0.0944658 | 0.23879927 | 2.5730450 | 21 | 11 19.9 | 17.9 |
| 32974 1996 $TX_{16}$ | 13.9 | $X$ | 317.66574 | 118.54826 | 217.86783 | 8.65209 | 0.0890870 | 0.19240869 | 2.9715720 | 21 | 7 8.4 | 17.8 |
| 32975 1996 $TR_{23}$ | 14.2 | $X$ | 190.53897 | 298.58987 | 12.12979 | 6.14049 | 0.3136466 | 0.21594464 | 2.7515311 | 21 | 1 17.9 | 19.3 |
| 32976 1996 $VK$ | 14.8 | $X$ | 205.53545 | 355.71644 | 58.78709 | 7.37123 | 0.0626357 | 0.22423570 | 2.6832814 | 21 | 5 31.5 | 18.7 |
| 32977 1996 $VR_4$ | 13.7 | $X$ | 356.66031 | 348.29466 | 60.33240 | 8.58597 | 0.1926956 | 0.23847719 | 2.5753612 | 21 | — | — |
| 32978 1996 $VG_7$ | 14.5 | $X$ | 110.91769 | 202.34394 | 212.40221 | 18.33601 | 0.2216567 | 0.21584008 | 2.7524197 | 21 | 2 27.9 | 18.7 |
| 32979 1996 $VH_7$ | 14.2 | $X$ | 252.07217 | 107.51428 | 273.89308 | 9.26725 | 0.1053012 | 0.22919287 | 2.6444498 | 21 | 6 7.6 | 17.9 |
| 32980 1996 $VH_{25}$ | 14.7 | $X$ | 345.72984 | 217.05787 | 224.97818 | 11.04258 | 0.0330268 | 0.20182323 | 2.8784274 | 21 | — | — |
| 32981 1996 $VO_{27}$ | 14.7 | $X$ | 227.66500 | 187.62447 | 157.50218 | 1.37682 | 0.1841254 | 0.18065705 | 3.0990799 | 21 | 3 27.1 | 19.6 |
| 32982 1996 $VD_{38}$ | 15.0 | $X$ | 198.80820 | 355.56800 | 41.37620 | 5.67521 | 0.0385393 | 0.22270549 | 2.6955585 | 21 | 5 1.5 | 18.8 |
| 32983 1996 $WU_2$ | 13.7 | $X$ | 18.83629 | 174.24390 | 175.55643 | 13.60178 | 0.1869857 | 0.23927816 | 2.5696108 | 21 | 11 27.1 | 16.9 |
| 32984 1996 $XX$ | 14.7 | $X$ | 342.58118 | 257.91987 | 67.46561 | 15.59831 | 0.1199677 | 0.22858743 | 2.6491171 | 21 | 8 10.3 | 17.9 |
| 32985 1996 $XN_3$ | 14.7 | $X$ | 113.98872 | 255.42298 | 290.01337 | 7.87231 | 0.2034068 | 0.22535992 | 2.6743501 | 21 | 8 16.9 | 19.0 |
| 32986 1996 $XQ_6$ | 13.7 | $X$ | 55.66586 | 300.76543 | 36.33313 | 15.19293 | 0.1296607 | 0.23951113 | 2.5679442 | 21 | 12 17.4 | 17.5 |
| 32987 Uyuni | 14.0 | $X$ | 359.60685 | 266.21307 | 76.04751 | 15.64045 | 0.1561214 | 0.23401084 | 2.6080269 | 21 | 10 14.1 | 17.0 |
| 32988 1996 $XK_{19}$ | 13.7 | $X$ | 279.77492 | 315.27086 | 112.31350 | 11.07752 | 0.0868059 | 0.18859600 | 3.0114875 | 21 | 9 18.9 | 17.9 |
| 32989 1996 $XA_{24}$ | 14.5 | $X$ | 271.84973 | 185.68379 | 67.53837 | 4.92794 | 0.1728989 | 0.25236436 | 2.4799944 | 21 | 1 8.4 | 18.3 |
| 32990 Sayo–hime | 13.4 | $X$ | 71.45467 | 279.18360 | 350.69194 | 9.46054 | 0.0828410 | 0.18699800 | 3.0286197 | 21 | 9 28.7 | 17.7 |
| 32991 1997 $AC_3$ | 13.7 | $X$ | 22.45947 | 226.98225 | 327.26495 | 11.71534 | 0.0814869 | 0.21126487 | 2.7920158 | 21 | 4 2.9 | 17.3 |
| 32992 1997 $AN_3$ | 15.3 | $X$ | 49.10570 | 46.70456 | 325.24729 | 0.97057 | 0.0875487 | 0.19621163 | 2.9330506 | 21 | — | — |
| 32993 1997 $AX_6$ | 14.0 | $X$ | 197.23344 | 283.87732 | 140.71681 | 14.55467 | 0.0679929 | 0.17698189 | 3.1418359 | 21 | 6 8.4 | 19.0 |
| 32994 1997 $AT_{21}$ | 14.3 | $X$ | 98.22947 | 69.48427 | 82.54989 | 15.16946 | 0.0432011 | 0.22002236 | 2.7174288 | 21 | 5 29.9 | 17.9 |
| 32995 1997 $BS_1$ | 14.3 | $X$ | 276.66278 | 308.57084 | 122.22851 | 10.59568 | 0.0449288 | 0.18500776 | 3.0503013 | 21 | 9 24.0 | 18.6 |
| 32996 1997 $CV$ | 14.5 | $X$ | 96.99438 | 35.59982 | 150.59573 | 13.12730 | 0.0689691 | 0.21682062 | 2.7441151 | 21 | 7 14.9 | 18.5 |
| 32997 1997 $CG_3$ | 14.3 | $X$ | 98.88938 | 136.20445 | 183.09957 | 3.61427 | 0.0700456 | 0.19341554 | 2.9612505 | 21 | 12 29.7 | 18.7 |
| 32998 1997 $CK_5$ | 14.5 | $X$ | 145.44890 | 282.31091 | 316.60516 | 8.69314 | 0.0162739 | 0.18933915 | 3.0036024 | 21 | 11 8.5 | 19.0 |
| 32999 1997 $CY_{27}$ | 13.2 | $X$ | 328.40954 | 235.12932 | 320.18498 | 16.11190 | 0.0326591 | 0.20422650 | 2.8558013 | 21 | 1 29.7 | 17.0 |
| 33000 Chenjiansheng | 14.5 | $X$ | 58.23011 | 243.28638 | 313.91025 | 11.17286 | 0.1709554 | 0.21619817 | 2.7493796 | 21 | 6 23.1 | 17.9 |
| 33001 1997 $CU_{29}$ | 6.0 | $X$ | 239.48048 | 276.13079 | 350.06087 | 1.46358 | 0.0408809 | 0.00347267 | 43.1877391 | 21 | 2 10.3 | 22.4 |
| 33002 Everest | 14.2 | $X$ | 290.78142 | 338.36224 | 129.43657 | 5.21019 | 0.1171578 | 0.19047115 | 2.9916899 | 21 | 11 17.9 | 18.0 |
| 33003 1997 $EJ$ | 12.7 | $X$ | 221.06924 | 178.40712 | 7.77772 | 10.00580 | 0.0395916 | 0.18921595 | 3.0049059 | 21 | 12 2.1 | 17.1 |
| 33004 Dianesipiera | 14.2 | $X$ | 3.43323 | 326.81836 | 330.03555 | 11.27733 | 0.0719843 | 0.17833488 | 3.1259248 | 21 | 7 31.1 | 18.2 |
| 33005 1997 $EZ_3$ | 14.3 | $X$ | 31.43860 | 258.45600 | 357.95771 | 4.14266 | 0.1026715 | 0.17366906 | 3.1816647 | 21 | 7 21.9 | 18.3 |
| 33006 1997 $EJ_6$ | 13.5 | $X$ | 36.07711 | 151.18429 | 51.77967 | 11.22949 | 0.1270124 | 0.17089972 | 3.2159441 | 21 | 5 19.7 | 17.4 |
| 33007 1997 $EX_{10}$ | 14.2 | $X$ | 167.16817 | 38.57503 | 17.80614 | 4.17580 | 0.0066580 | 0.16703814 | 3.2653190 | 21 | 4 21.1 | 18.8 |
| 33008 1997 $EU_{17}$ | 12.9 | $X$ | 220.43899 | 23.66215 | 333.31342 | 13.53159 | 0.0497900 | 0.16845898 | 3.2469326 | 21 | 4 4.7 | 18.0 |
| 33009 1997 $EM_{28}$ | 15.7 | $X$ | 140.35007 | 129.11127 | 26.60452 | 1.10264 | 0.1126868 | 0.17487875 | 3.1669755 | 21 | 7 30.8 | 20.6 |
| 33010 Enricoprosperi | 14.3 | $X$ | 341.11117 | 312.87211 | 110.67790 | 7.06080 | 0.0863327 | 0.27200454 | 2.3591304 | 21 | 12 30.4 | 16.8 |
| 33011 Kurtiscarsch | 14.3 | $X$ | 293.94962 | 245.15349 | 142.89069 | 13.76285 | 0.1744158 | 0.22446332 | 2.6814671 | 21 | 7 31.7 | 17.6 |
| 33012 Eddieirizarry | 14.2 | $X$ | 90.50434 | 192.17006 | 355.72744 | 1.58419 | 0.1033367 | 0.17216260 | 3.2001980 | 21 | 7 14.5 | 18.8 |
| 33013 1997 $FZ$ | 14.1 | $X$ | 30.89894 | 48.17794 | 191.78851 | 0.56669 | 0.1000227 | 0.17149592 | 3.2084863 | 21 | 6 27.7 | 18.0 |
| 33014 Kalinich | 14.1 | $X$ | 139.69260 | 120.60391 | 63.55286 | 2.45750 | 0.0983311 | 0.17716358 | 3.1396874 | 21 | 9 3.1 | 18.8 |
| 33015 1997 $GF_7$ | 16.1 | $X$ | 140.32059 | 209.41145 | 137.34702 | 2.23012 | 0.1901840 | 0.31350326 | 2.1460574 | 21 | — | — |
| 33016 1997 $GZ_{31}$ | 14.2 | $X$ | 201.84695 | 146.52332 | 93.27648 | 11.11680 | 0.2929788 | 0.18783776 | 3.0195863 | 21 | 12 24.0 | 19.3 |
| 33017 Wronski | 13.0 | $X$ | 86.91449 | 187.15246 | 47.44752 | 10.02379 | 0.0379156 | 0.17499016 | 3.1656310 | 21 | 9 3.1 | 17.6 |
| 33018 1997 $HT_5$ | 13.6 | $X$ | 167.65390 | 301.54693 | 181.19766 | 16.22788 | 0.1539065 | 0.17670247 | 3.1451472 | 21 | 7 15.9 | 19.0 |
| 33019 1997 $ME_3$ | 15.4 | $X$ | 116.48187 | 312.50110 | 32.67190 | 1.39971 | 0.1750407 | 0.30606936 | 2.1806677 | 21 | — | — |
| 33020 1997 $MG_9$ | 16.3 | $X$ | 175.56875 | 183.79168 | 263.21999 | 1.53830 | 0.2126386 | 0.28030966 | 2.3122991 | 21 | 6 10.4 | 20.1 |
| 33021 1997 $MV_{10}$ | 16.0 | $X$ | 227.12488 | 230.50783 | 39.49859 | 3.08100 | 0.1522903 | 0.27128901 | 2.3632767 | 21 | — | — |
| 33022 1997 $NN$ | 15.3 | $X$ | 199.00693 | 316.11514 | 286.79399 | 4.52862 | 0.1426868 | 0.30478555 | 2.1867869 | 21 | — | — |
| 33023 1997 $PJ_3$ | 13.9 | $X$ | 204.08702 | 61.33738 | 162.38899 | 12.70356 | 0.1210750 | 0.22050256 | 2.7134821 | 21 | 12 26.9 | 18.1 |
| 33024 1997 $PD_5$ | 15.3 | $X$ | 192.55515 | 340.18455 | 306.34137 | 3.02658 | 0.0321960 | 0.30559250 | 2.1829356 | 21 | — | — |
| 33025 1997 $PV_5$ | 15.9 | $X$ | 37.48760 | 94.14954 | 353.87929 | 3.71499 | 0.0316188 | 0.30506724 | 2.1854406 | 21 | — | — |
| 33026 1997 $PD_6$ | 15.2 | $X$ | 145.99355 | 1.35132 | 307.99894 | 5.20452 | 0.1952456 | 0.30339422 | 2.1934674 | 21 | — | — |
| 33027 Brouillac | 16.2 | $X$ | 310.43536 | 140.31367 | 165.16770 | 6.16405 | 0.2302499 | 0.28188281 | 2.3036880 | 21 | 4 19.3 | 18.8 |
| 33028 1997 $QN$ | 14.9 | $X$ | 305.69630 | 132.62496 | 256.70274 | 5.02368 | 0.1018134 | 0.28452164 | 2.2894220 | 21 | 9 5.7 | 17.2 |
| 33029 1997 $QV$ | 15.8 | $X$ | 217.12441 | 229.88171 | 165.47605 | 10.51683 | 0.1770278 | 0.27881754 | 2.3205414 | 21 | 5 14.7 | 19.6 |
| 33030 1997 $QB_2$ | 15.1 | $X$ | 106.29634 | 9.80082 | 357.09434 | 7.98181 | 0.2695882 | 0.26171922 | 2.4205403 | 21 | — | — |
| 33031 1997 $RX$ | 15.7 | $X$ | 95.86812 | 174.22305 | 223.28100 | 1.77491 | 0.1913101 | 0.26367538 | 2.4085537 | 21 | 1 4.9 | 18.1 |
| 33032 1997 $RQ_8$ | 15.6 | $X$ | 320.67583 | 100.68480 | 257.70902 | 1.80805 | 0.1962643 | 0.24387590 | 2.5372122 | 21 | 8 3.3 | 18.1 |
| 33033 1997 $RA_{10}$ | 15.2 | $X$ | 44.75937 | 302.75172 | 131.62706 | 3.41944 | 0.1455819 | 0.25958551 | 2.4337862 | 21 | — | — |
| 33034 Dianadamrau | 16.0 | $X$ | 336.71894 | 146.64619 | 175.55364 | 4.12287 | 0.1558028 | 0.28551049 | 2.2841327 | 21 | 7 17.0 | 17.7 |
| 33035 Pareschi | 15.2 | $X$ | 302.12787 | 80.84762 | 286.79359 | 6.19632 | 0.1454417 | 0.28362965 | 2.2942195 | 21 | 7 22.5 | 17.5 |
| 33036 1997 $ST_{10}$ | 14.5 | $X$ | 283.59530 | 353.93722 | 32.54668 | 6.64887 | 0.1519461 | 0.28035128 | 2.3120702 | 21 | 7 21.6 | 17.2 |
| 33037 1997 $SB_{14}$ | 15.4 | $X$ | 148.18326 | 280.46904 | 253.40183 | 3.75763 | 0.0733208 | 0.28329733 | 2.2960133 | 21 | 9 1.7 | 18.7 |
| 33038 1997 $SP_{24}$ | 15.9 | $X$ | 27.77109 | 217.98649 | 4.13139 | 2.22133 | 0.1143134 | 0.27521750 | 2.3407338 | 21 | 5 23.0 | 18.1 |
| 33039 1997 $SA_{25}$ | 14.7 | $X$ | 307.60870 | 161.18213 | 205.83027 | 12.57929 | 0.1968425 | 0.24160381 | 2.5530944 | 21 | 7 18.3 | 17.8 |
| 33040 Pavelmayer | 15.8 | $X$ | 309.10347 | 208.81908 | 275.95518 | 2.78660 | 0.0961817 | 0.29524301 | 2.2336561 | 21 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 33041 1997 $TG_{17}$ | 14.7 | $X$ | 334.56700 | 254.01923 | 89.53441 | 6.22673 | 0.2225508 | 0.24365446 | 2.5387492 | 21 | 8 11.8 | 16.7 |
| 33042 1997 $TU_{18}$ | 14.7 | $X$ | 327.75344 | 263.30358 | 176.94012 | 5.69433 | 0.1921876 | 0.29519549 | 2.2338958 | 21 | — | — |
| 33043 1997 $TC_{23}$ | 15.8 | $X$ | 272.80366 | 67.08174 | 232.07067 | 1.50641 | 0.2361290 | 0.27365046 | 2.3496613 | 21 | 2 25.3 | 19.3 |
| 33044 Erikdavy | 15.7 | $X$ | 116.11451 | 256.77620 | 185.44233 | 0.51413 | 0.0925819 | 0.26877470 | 2.3779924 | 21 | 3 21.1 | 18.6 |
| 33045 1997 $UF_1$ | 15.1 | $X$ | 253.17749 | 175.21288 | 217.87489 | 4.33036 | 0.1397802 | 0.27881352 | 2.3205637 | 21 | 6 19.3 | 18.2 |
| 33046 1997 $UF_2$ | 15.1 | $X$ | 345.21107 | 131.18012 | 207.48454 | 4.93676 | 0.2389056 | 0.28523440 | 2.2856064 | 21 | 9 4.7 | 16.1 |
| 33047 1997 $UO_3$ | 15.1 | $X$ | 169.83509 | 205.97500 | 238.47163 | 7.09000 | 0.2088278 | 0.27162339 | 2.3557894 | 21 | 6 2.4 | 19.0 |
| 33048 1997 $UX_4$ | 15.1 | $X$ | 158.59416 | 109.76326 | 4.96482 | 2.80100 | 0.1900889 | 0.27361857 | 2.3498438 | 21 | 7 1.2 | 18.8 |
| 33049 1997 $UF_5$ | 15.3 | $X$ | 30.28353 | 265.24062 | 356.18364 | 6.37747 | 0.1168260 | 0.28225183 | 2.3016796 | 21 | 8 3.2 | 17.6 |
| 33050 1997 $UR_6$ | 16.3 | $X$ | 343.40674 | 110.82098 | 37.76025 | 1.85718 | 0.1375527 | 0.25913671 | 2.4365954 | 21 | — | — |
| 33051 1997 $UF_7$ | 15.0 | $X$ | 229.59592 | 23.33090 | 47.63660 | 7.31242 | 0.0977227 | 0.27772370 | 2.3266305 | 21 | 7 20.5 | 18.2 |
| 33052 1997 $UA_8$ | 15.1 | $X$ | 271.76974 | 160.79516 | 62.82283 | 3.06977 | 0.1546382 | 0.25908324 | 2.4369306 | 21 | — | — |
| 33053 1997 $UB_{12}$ | 16.5 | $X$ | 200.38684 | 286.47115 | 211.92860 | 0.29557 | 0.1810444 | 0.28365096 | 2.2941046 | 21 | 9 9.2 | 20.0 |
| 33054 1997 $UU_{14}$ | 15.5 | $X$ | 232.10566 | 59.59255 | 225.28963 | 2.78028 | 0.2101329 | 0.30768077 | 2.1730471 | 21 | 1 2.2 | 19.0 |
| 33055 1997 $UB_{15}$ | 14.9 | $X$ | 142.97744 | 14.50947 | 54.67177 | 1.57197 | 0.0648944 | 0.26914361 | 2.3758189 | 21 | 4 3.9 | 18.0 |
| 33056 Ogunimachi | 15.1 | $X$ | 72.19896 | 283.30636 | 134.58738 | 2.72397 | 0.1617307 | 0.25920926 | 2.4361407 | 21 | — | — |
| 33057 1997 $US_{17}$ | 14.8 | $X$ | 61.95280 | 174.85236 | 70.79048 | 5.19026 | 0.0598706 | 0.28014746 | 2.3131915 | 21 | 8 23.2 | 17.6 |
| 33058 Kovařík | 15.9 | $X$ | 192.16585 | 126.99207 | 34.24363 | 6.32892 | 0.1004581 | 0.28494505 | 2.2871535 | 21 | 10 8.3 | 19.0 |
| 33059 1997 $VS$ | 15.0 | $X$ | 188.44613 | 291.32642 | 81.36813 | 3.40935 | 0.2218383 | 0.26910106 | 2.3760693 | 21 | 3 21.8 | 18.9 |
| 33060 1997 $VY$ | 15.4 | $X$ | 108.62700 | 110.26235 | 251.11819 | 2.97797 | 0.3403934 | 0.25948281 | 2.4344283 | 21 | 1 2.0 | 18.1 |
| 33061 Václavmorava | 15.8 | $X$ | 204.02049 | 18.55276 | 316.42400 | 1.64385 | 0.2222022 | 0.26980154 | 2.3719549 | 21 | 2 14.6 | 19.9 |
| 33062 1997 $VT_2$ | 15.1 | $X$ | 325.76641 | 222.97495 | 10.13577 | 3.42529 | 0.0510720 | 0.26602330 | 2.3943608 | 21 | 3 1.3 | 17.9 |
| 33063 1997 $VB_3$ | 15.0 | $X$ | 199.09072 | 5.07760 | 62.25403 | 4.50055 | 0.2006907 | 0.27423813 | 2.3463033 | 21 | 6 5.4 | 18.6 |
| 33064 1997 $VS_3$ | 15.1 | $X$ | 182.43624 | 330.19527 | 72.08967 | 3.45373 | 0.2025636 | 0.27030608 | 2.3690024 | 21 | 4 21.3 | 18.9 |
| 33065 1997 $VQ_5$ | 15.7 | $X$ | 167.59827 | 350.73605 | 59.22123 | 3.57745 | 0.1645368 | 0.26858710 | 2.3790996 | 21 | 4 15.9 | 19.4 |
| 33066 1997 $VS_6$ | 15.2 | $X$ | 26.01254 | 337.92604 | 244.14326 | 5.20958 | 0.0076843 | 0.27442441 | 2.3452414 | 21 | 5 14.9 | 18.1 |
| 33067 1997 $WJ$ | 14.8 | $X$ | 235.24386 | 7.77390 | 59.93387 | 7.37974 | 0.1769253 | 0.27790750 | 2.3256046 | 21 | 7 13.2 | 18.3 |
| 33068 1997 $WO_1$ | 15.4 | $X$ | 35.07330 | 237.81017 | 253.01704 | 1.31002 | 0.1079033 | 0.26226334 | 2.4171911 | 21 | 1 20.3 | 17.7 |
| 33069 1997 $WQ_2$ | 14.9 | $X$ | 208.92884 | 310.20065 | 85.51326 | 6.70475 | 0.0893497 | 0.27162017 | 2.3613555 | 21 | 5 9.1 | 18.2 |
| 33070 1997 $WY_7$ | 14.7 | $X$ | 51.67223 | 183.92545 | 68.01888 | 6.79996 | 0.1335660 | 0.23583486 | 2.5945619 | 21 | 8 26.6 | 17.9 |
| 33071 1997 $WJ_{12}$ | 15.0 | $X$ | 300.05506 | 144.83729 | 90.15160 | 9.06832 | 0.0708896 | 0.21588992 | 2.7519961 | 21 | 2 5.2 | 18.8 |
| 33072 1997 $WO_{12}$ | 15.1 | $X$ | 94.86667 | 355.58228 | 233.05495 | 6.84339 | 0.1925918 | 0.28291213 | 2.2980969 | 21 | 9 25.0 | 18.5 |
| 33073 1997 $WU_{16}$ | 15.3 | $X$ | 179.30301 | 122.53010 | 243.48581 | 9.78726 | 0.3104826 | 0.26805565 | 2.3822431 | 21 | 3 3.9 | 19.8 |
| 33074 1997 $WP_{21}$ | 12.5 | $X$ | 31.14913 | 34.21066 | 91.37846 | 17.95805 | 0.1011603 | 0.17380693 | 3.1799820 | 21 | 2 2.2 | 16.6 |
| 33075 1997 $WV_{22}$ | 14.5 | $X$ | 237.94269 | 331.98692 | 87.43215 | 11.69114 | 0.2730820 | 0.23370074 | 2.6103335 | 21 | 6 25.5 | 18.7 |
| 33076 1997 $WM_{24}$ | 14.6 | $X$ | 335.56690 | 343.55761 | 32.14901 | 6.17980 | 0.1731694 | 0.28698913 | 2.2762804 | 21 | 10 17.6 | 16.0 |
| 33077 1997 $WG_{25}$ | 16.2 | $X$ | 225.24734 | 86.87791 | 220.61450 | 0.52202 | 0.1654128 | 0.26712156 | 2.3877934 | 21 | 1 29.9 | 19.9 |
| 33078 1997 $WN_{35}$ | 15.2 | $X$ | 129.88740 | 242.97148 | 243.44841 | 6.99111 | 0.1007209 | 0.27181993 | 2.3601984 | 21 | 6 9.3 | 18.3 |
| 33079 1997 $WB_{39}$ | 15.0 | $X$ | 302.06754 | 274.42855 | 53.82787 | 5.38278 | 0.1631523 | 0.27634418 | 2.3343672 | 21 | 5 19.9 | 17.6 |
| 33080 1997 $WF_{39}$ | 14.7 | $X$ | 128.85429 | 55.17955 | 70.82089 | 4.35377 | 0.1788782 | 0.27047099 | 2.3680394 | 21 | 6 15.8 | 18.0 |
| 33081 1997 $WR_{41}$ | 15.1 | $X$ | 128.83890 | 144.02507 | 215.33707 | 1.65070 | 0.1918507 | 0.25970921 | 2.4330133 | 21 | 1 2.9 | 18.2 |
| 33082 1997 $WF_{43}$ | 14.3 | $X$ | 67.17672 | 192.10945 | 78.59885 | 6.98380 | 0.0789208 | 0.28180039 | 2.3041371 | 21 | 10 10.4 | 17.2 |
| 33083 1997 $WN_{47}$ | 15.8 | $X$ | 144.84971 | 139.87346 | 325.02587 | 1.68993 | 0.1574006 | 0.27096554 | 2.3651572 | 21 | 6 2.2 | 19.3 |
| 33084 1997 $WX_{49}$ | 14.7 | $X$ | 106.69611 | 224.24730 | 57.13510 | 5.17911 | 0.1392742 | 0.28946658 | 2.2632738 | 21 | 12 12.7 | 17.9 |
| 33085 1997 $WN_{56}$ | 15.9 | $X$ | 109.90070 | 262.34432 | 92.87021 | 3.45062 | 0.2273933 | 0.25843074 | 2.4410309 | 21 | — | — |
| 33086 1997 $XS$ | 15.1 | $X$ | 268.56331 | 176.09092 | 302.18443 | 3.54735 | 0.1247340 | 0.24276208 | 2.5449670 | 21 | 11 4.5 | 18.1 |
| 33087 1997 $XX$ | 13.9 | $X$ | 139.25295 | 139.03313 | 63.51656 | 12.21230 | 0.1045259 | 0.27991257 | 2.3144854 | 21 | 10 9.4 | 17.4 |
| 33088 1997 $XX_9$ | 15.6 | $X$ | 3.16703 | 103.93369 | 66.53726 | 7.13581 | 0.0868031 | 0.26049734 | 2.4281035 | 21 | 1 26.9 | 18.3 |
| 33089 1997 $XK_{11}$ | 14.6 | $X$ | 109.18270 | 305.25457 | 93.80729 | 7.27490 | 0.1239453 | 0.25676312 | 2.4515888 | 21 | 1 20.0 | 17.4 |
| 33090 1997 $XT_{11}$ | 14.0 | $X$ | 171.80884 | 48.85952 | 105.49158 | 16.15746 | 0.0605923 | 0.22972454 | 2.6403680 | 21 | 9 7.4 | 18.1 |
| 33091 1997 $XO_{12}$ | 15.5 | $X$ | 220.57402 | 319.90887 | 77.78066 | 5.81547 | 0.0860108 | 0.27393934 | 2.3480091 | 21 | 5 23.9 | 18.8 |
| 33092 1997 $YR_1$ | 14.2 | $X$ | 156.76402 | 353.88757 | 252.08233 | 11.94001 | 0.2136604 | 0.24142595 | 2.5543481 | 21 | 12 7.7 | 18.5 |
| 33093 1997 $YF_3$ | 14.5 | $X$ | 19.45292 | 294.97888 | 227.32126 | 1.52820 | 0.1423587 | 0.25871488 | 2.4392433 | 21 | 2 4.8 | 16.9 |
| 33094 1997 $YG_5$ | 14.7 | $X$ | 86.57504 | 351.75417 | 98.75728 | 5.03806 | 0.1644010 | 0.26277106 | 2.4140765 | 21 | 3 4.4 | 17.3 |
| 33095 1997 $YM_5$ | 14.7 | $X$ | 359.59134 | 108.74721 | 189.52876 | 1.11510 | 0.0690633 | 0.23109023 | 2.6299551 | 21 | 7 26.3 | 17.6 |
| 33096 1997 $YS_6$ | 15.3 | $X$ | 355.87590 | 280.35270 | 296.55115 | 6.63248 | 0.1535614 | 0.26051691 | 2.4279818 | 21 | 3 8.1 | 17.7 |
| 33097 1997 $YB_7$ | 14.5 | $X$ | 317.80175 | 242.47931 | 120.19276 | 9.92858 | 0.1456169 | 0.28151473 | 2.3056956 | 21 | 8 16.5 | 16.4 |
| 33098 1997 $YG_7$ | 14.4 | $X$ | 41.25300 | 98.48526 | 115.40236 | 13.00014 | 0.1146646 | 0.22472809 | 2.6793604 | 21 | 6 10.6 | 17.6 |
| 33099 1997 $YN_8$ | 14.0 | $X$ | 145.59845 | 263.17411 | 13.95047 | 2.76932 | 0.1584517 | 0.29229774 | 2.2486356 | 21 | — | — |
| 33100 Udine | 15.1 | $X$ | 208.14285 | 51.76714 | 40.58490 | 6.82150 | 0.0640633 | 0.27708833 | 2.3301858 | 21 | 7 27.6 | 18.3 |
| 33101 1997 $YN_{10}$ | 14.1 | $X$ | 317.62599 | 316.35028 | 94.64987 | 8.80004 | 0.1964476 | 0.23966226 | 2.5668646 | 21 | 10 24.1 | 16.5 |
| 33102 1997 $YJ_{11}$ | 14.5 | $X$ | 162.46160 | 222.70012 | 3.48366 | 3.80341 | 0.1512729 | 0.23866748 | 2.5739922 | 21 | 11 19.2 | 18.7 |
| 33103 Pintar | 14.6 | $X$ | 180.94758 | 214.79185 | 158.07939 | 8.43779 | 0.1522135 | 0.26231506 | 2.4168734 | 21 | 3 12.3 | 18.3 |
| 33104 1997 $YJ_{13}$ | 14.9 | $X$ | 50.78410 | 33.47643 | 272.10740 | 8.31832 | 0.0830372 | 0.23663824 | 2.5886863 | 21 | 10 22.8 | 18.5 |
| 33105 1997 $YB_{14}$ | 14.8 | $X$ | 301.11842 | 332.79387 | 117.13216 | 14.40868 | 0.2089976 | 0.24266053 | 2.5456769 | 21 | 11 16.6 | 17.4 |
| 33106 1997 $YG_{16}$ | 15.2 | $X$ | 164.38790 | 328.97258 | 131.88246 | 3.67021 | 0.1431338 | 0.27225800 | 2.3576660 | 21 | 6 16.5 | 18.7 |
| 33107 1997 $YL_{16}$ | 14.1 | $X$ | 186.93463 | 79.85478 | 285.15623 | 11.72124 | 0.2311741 | 0.26430698 | 2.4047151 | 21 | 3 4.3 | 18.4 |
| 33108 1997 $YJ_{18}$ | 14.0 | $X$ | 23.05888 | 2.88836 | 354.02595 | 1.78830 | 0.0401705 | 0.20210464 | 2.8757548 | 21 | 11 11.9 | 17.9 |
| 33109 1998 $AB_2$ | 14.8 | $X$ | 281.41728 | 6.66008 | 107.89781 | 7.42590 | 0.0932765 | 0.24330162 | 2.5412032 | 21 | 11 26.8 | 17.8 |
| 33110 1998 $AM_{10}$ | 13.8 | $X$ | 200.10235 | 175.15346 | 145.58155 | 7.90070 | 0.0913128 | 0.25649420 | 2.4533020 | 21 | 1 21.9 | 17.4 |
| 33111 1998 $BL$ | 14.4 | $X$ | 4.57630 | 130.08572 | 74.21330 | 6.02479 | 0.0995762 | 0.21808019 | 2.7335388 | 21 | 3 26.4 | 17.7 |
| 33112 1998 $BL_1$ | 13.8 | $X$ | 220.61625 | 244.05090 | 136.20027 | 11.79537 | 0.0579970 | 0.22316098 | 2.6918894 | 21 | 5 9.4 | 17.9 |
| 33113 Julabeth | 15.0 | $X$ | 145.38520 | 286.03377 | 286.15315 | 3.42613 | 0.1510005 | 0.23484094 | 2.6018775 | 21 | 10 16.6 | 19.2 |
| 33114 1998 $BH_5$ | 15.3 | $X$ | 44.00411 | 226.85110 | 124.47937 | 5.03049 | 0.0715615 | 0.24184256 | 2.5514138 | 21 | 12 15.4 | 18.6 |
| 33115 1998 $BB_8$ | 14.2 | $X$ | 218.70853 | 351.36423 | 139.85552 | 15.90423 | 0.0600124 | 0.23447288 | 2.6045996 | 21 | 10 2.2 | 18.0 |
| 33116 1998 $BO_{12}$ | 13.7 | $X$ | 68.72653 | 144.53075 | 112.69790 | 7.60565 | 0.1671417 | 0.27597590 | 2.3364435 | 21 | 10 6.6 | 16.8 |
| 33117 Ashinimodi | 15.3 | $X$ | 144.52204 | 349.04501 | 113.74598 | 4.45832 | 0.1772591 | 0.26809071 | 2.3820354 | 21 | 6 1.6 | 18.9 |
| 33118 Naiknaware | 15.2 | $X$ | 192.45050 | 121.87952 | 47.27630 | 1.33964 | 0.1122701 | 0.23738673 | 2.5832420 | 21 | 10 12.0 | 19.1 |
| 33119 1998 $BE_{15}$ | 14.1 | $X$ | 193.91705 | 309.92038 | 124.22085 | 13.34566 | 0.0616571 | 0.22797642 | 2.6538483 | 21 | 6 14.7 | 18.2 |
| 33120 1998 $BQ_{15}$ | 14.3 | $X$ | 158.35505 | 278.03710 | 123.38168 | 12.55011 | 0.1442189 | 0.22045549 | 2.7138683 | 21 | 4 3.2 | 18.7 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 33121 1998 $BR_{15}$ | 14.6 | X | 114.54703 | 201.86549 | 105.15306 | 9.24791 | 0.1120705 | 0.24425631 | 2.5345772 | 21 | — | — |
| 33122 1998 $BR_{17}$ | 15.4 | X | 169.60134 | 256.79840 | 102.27193 | 2.14585 | 0.0629415 | 0.21336418 | 2.7736717 | 21 | 2 11.8 | 19.4 |
| 33123 1998 $BG_{31}$ | 13.6 | X | 96.49448 | 355.86179 | 308.81945 | 9.05317 | 0.1660421 | 0.24163586 | 2.5528686 | 21 | 12 26.5 | 17.6 |
| 33124 1998 $BN_{33}$ | 13.3 | X | 27.13525 | 357.00939 | 43.68446 | 7.46508 | 0.2090040 | 0.24612029 | 2.5217640 | 21 | — | — |
| 33125 1998 $BU_{33}$ | 14.5 | X | 187.58793 | 79.39800 | 100.74736 | 5.71813 | 0.0444550 | 0.23504619 | 2.6003626 | 21 | 10 27.4 | 18.1 |
| 33126 1998 $BB_{34}$ | 14.1 | X | 179.47661 | 349.10704 | 25.55534 | 5.37989 | 0.0818216 | 0.21528711 | 2.7571307 | 21 | 3 15.7 | 18.3 |
| 33127 1998 $BO_{46}$ | 14.2 | X | 49.52294 | 180.04467 | 326.77675 | 4.69321 | 0.1696788 | 0.21748993 | 2.7384824 | 21 | 3 24.2 | 17.1 |
| 33128 1998 $BU_{48}$ | 6.7 | X | 82.96837 | 281.59940 | 132.89961 | 14.28004 | 0.3839499 | 0.00517296 | 33.1113217 | 21 | 3 23.6 | 22.3 |
| 33129 Ivankrasko | 14.3 | X | 170.35129 | 196.09962 | 108.73005 | 8.78482 | 0.1429642 | 0.20664701 | 2.8334570 | 21 | — | — |
| 33130 1998 $CR_{1}$ | 14.4 | X | 196.34500 | 117.61497 | 157.03340 | 5.40876 | 0.1783070 | 0.24552638 | 2.5258290 | 21 | — | — |
| 33131 1998 $CW_{3}$ | 14.1 | X | 221.94267 | 27.72629 | 132.55398 | 5.72899 | 0.1667157 | 0.23754200 | 2.5821161 | 21 | 10 28.8 | 18.0 |
| 33132 1998 $CD_{4}$ | 13.6 | X | 203.62102 | 348.84360 | 124.37206 | 16.08046 | 0.0667900 | 0.23255790 | 2.6188783 | 21 | 8 16.9 | 17.3 |
| 33133 1998 $CF_{4}$ | 14.7 | X | 116.69175 | 353.64509 | 162.47544 | 4.20697 | 0.1522335 | 0.22501857 | 2.6770541 | 21 | 7 9.9 | 18.7 |
| 33134 1998 $CZ_{4}$ | 15.1 | X | 105.03036 | 281.86235 | 254.86017 | 1.23162 | 0.1068275 | 0.22530256 | 2.6748040 | 21 | 7 18.4 | 18.8 |
| 33135 Davidrisoldi | 14.1 | X | 6.36500 | 229.59659 | 89.63588 | 7.33566 | 0.1292811 | 0.27777747 | 2.3263303 | 21 | 9 21.9 | 16.4 |
| 33136 1998 $DZ$ | 14.9 | X | 128.94890 | 282.11693 | 336.20379 | 2.92490 | 0.0539602 | 0.24012634 | 2.5635562 | 21 | 11 25.1 | 18.5 |
| 33137 1998 $DO_{1}$ | 14.9 | X | 199.61505 | 116.27979 | 73.92106 | 4.80546 | 0.0643194 | 0.24138155 | 2.5546613 | 21 | 11 20.4 | 18.5 |
| 33138 1998 $DQ_{2}$ | 14.2 | X | 190.92927 | 61.44058 | 89.79097 | 10.13288 | 0.1475885 | 0.23191687 | 2.6237019 | 21 | 9 20.5 | 18.5 |
| 33139 1998 $DU_{2}$ | 14.6 | X | 331.89351 | 342.10927 | 100.31887 | 10.17733 | 0.2701203 | 0.24430681 | 2.5342279 | 21 | — | — |
| 33140 1998 $DF_{3}$ | 13.4 | X | 26.97442 | 198.42592 | 107.24877 | 16.39830 | 0.1249535 | 0.23480381 | 2.6021518 | 21 | 10 6.4 | 16.9 |
| 33141 1998 $DZ_{4}$ | 15.3 | X | 269.88624 | 88.09036 | 0.22492 | 2.33492 | 0.1465920 | 0.23703224 | 2.5858169 | 21 | 9 23.8 | 18.3 |
| 33142 1998 $DL_{6}$ | 14.8 | X | 281.77833 | 321.48060 | 77.77984 | 4.36491 | 0.0465059 | 0.23076338 | 2.6324378 | 21 | 8 21.6 | 18.2 |
| 33143 1998 $DJ_{7}$ | 14.4 | X | 296.14635 | 39.61482 | 126.89703 | 3.05759 | 0.0107688 | 0.20290162 | 2.8682195 | 21 | — | — |
| 33144 1998 $DM_{7}$ | 14.4 | X | 30.70784 | 209.16790 | 351.02635 | 4.78615 | 0.0961845 | 0.21909656 | 2.7250784 | 21 | 4 28.6 | 17.5 |
| 33145 1998 $DK_{8}$ | 15.5 | X | 84.77953 | 254.17178 | 216.86531 | 3.73426 | 0.0630140 | 0.21595439 | 2.7514483 | 21 | 3 18.8 | 19.0 |
| 33146 1998 $DL_{8}$ | 15.0 | X | 195.87808 | 95.75038 | 211.26481 | 4.16240 | 0.0543801 | 0.20850258 | 2.8166211 | 21 | 1 7.7 | 19.1 |
| 33147 1998 $DD_{9}$ | 14.1 | X | 13.60728 | 85.55242 | 148.09961 | 10.04883 | 0.1409224 | 0.21853264 | 2.7297644 | 21 | 5 22.4 | 17.2 |
| 33148 1998 $DM_{9}$ | 14.5 | X | 174.01672 | 113.16410 | 60.52932 | 8.35210 | 0.1775056 | 0.23192660 | 2.6236285 | 21 | 9 30.4 | 18.9 |
| 33149 1998 $DE_{10}$ | 13.8 | X | 6.07864 | 303.12333 | 231.51843 | 3.10681 | 0.0402356 | 0.21307360 | 2.7761928 | 21 | 2 17.0 | 17.3 |
| 33150 1998 $DN_{10}$ | 13.4 | X | 34.25082 | 164.74589 | 153.87245 | 13.65388 | 0.1823221 | 0.23472499 | 2.6027342 | 21 | 11 8.9 | 16.8 |
| 33151 1998 $DY_{11}$ | 14.7 | X | 166.85548 | 340.48294 | 115.51370 | 13.39695 | 0.1240377 | 0.22574666 | 2.6712949 | 21 | 6 14.2 | 19.0 |
| 33152 1998 $DV_{12}$ | 14.1 | X | 343.04049 | 271.13249 | 122.07656 | 14.14571 | 0.2190440 | 0.24164738 | 2.5527875 | 21 | 11 27.2 | 16.5 |
| 33153 1998 $DH_{15}$ | 14.0 | X | 159.26810 | 312.18149 | 19.73379 | 1.99716 | 0.0770042 | 0.20708409 | 2.8294687 | 21 | — | — |
| 33154 Talent | 13.9 | X | 248.96746 | 342.50830 | 121.66945 | 15.73085 | 0.0593734 | 0.23318413 | 2.6141874 | 21 | 10 7.0 | 17.7 |
| 33155 1998 $DD_{17}$ | 13.8 | X | 126.10148 | 343.88992 | 292.24729 | 12.20981 | 0.1295516 | 0.24062918 | 2.5599836 | 21 | 12 17.6 | 17.9 |
| 33156 1998 $DG_{17}$ | 14.8 | X | 64.30582 | 86.91461 | 258.39749 | 6.12928 | 0.1124802 | 0.24351747 | 2.5397013 | 21 | — | — |
| 33157 Pertile | 14.0 | X | 237.80067 | 240.30810 | 168.91694 | 13.12693 | 0.1729787 | 0.22667522 | 2.6639947 | 21 | 6 21.5 | 18.4 |
| 33158 Rúfus | 14.4 | X | 265.07149 | 317.93716 | 29.05485 | 5.32790 | 0.2741765 | 0.22562149 | 2.6722828 | 21 | 4 20.1 | 18.7 |
| 33159 1998 $DQ_{33}$ | 14.2 | X | 254.79262 | 294.81439 | 126.27111 | 2.99782 | 0.0873170 | 0.22950986 | 2.6420142 | 21 | 8 6.2 | 17.6 |
| 33160 Denismukwege | 13.5 | X | 89.00159 | 251.52126 | 163.66933 | 17.44523 | 0.1356944 | 0.20973427 | 2.8055830 | 21 | 1 22.7 | 17.3 |
| 33161 1998 $DE_{35}$ | 14.4 | X | 205.03919 | 331.71617 | 132.11069 | 3.44956 | 0.0790264 | 0.22816796 | 2.6523629 | 21 | 8 3.6 | 18.4 |
| 33162 1998 $DT_{35}$ | 14.9 | X | 297.61557 | 77.94721 | 329.75401 | 1.24577 | 0.1333962 | 0.23565672 | 2.5958693 | 21 | 9 11.8 | 17.9 |
| 33163 Alainaspect | 15.0 | X | 298.07492 | 145.43162 | 261.78458 | 2.82412 | 0.2413058 | 0.23517505 | 2.5994126 | 21 | 8 23.8 | 18.0 |
| 33164 1998 $EB_{2}$ | 13.7 | X | 65.00523 | 348.19078 | 32.87179 | 2.21243 | 0.0731299 | 0.19863131 | 2.9091821 | 21 | — | — |
| 33165 Joschhambsch | 13.5 | X | 263.53287 | 200.51144 | 142.99673 | 2.19232 | 0.2513112 | 0.17336584 | 3.1853735 | 21 | 4 21.1 | 18.6 |
| 33166 1998 $EV_{8}$ | 13.1 | X | 325.41539 | 210.93836 | 41.39723 | 35.61458 | 0.1529887 | 0.21124678 | 2.7921751 | 21 | 4 8.1 | 17.1 |
| 33167 1998 $EJ_{9}$ | 13.9 | X | 209.90909 | 316.12010 | 122.03173 | 22.76782 | 0.1049732 | 0.23115007 | 2.6295011 | 21 | 7 5.6 | 17.9 |
| 33168 1998 $ED_{10}$ | 13.9 | X | 329.46474 | 315.43342 | 323.02873 | 4.69114 | 0.1647599 | 0.17743799 | 3.1364496 | 21 | 4 30.4 | 17.8 |
| 33169 1998 $EU_{10}$ | 14.3 | X | 201.41810 | 41.61429 | 143.71369 | 12.39186 | 0.0663910 | 0.23683069 | 2.5872838 | 21 | 11 18.7 | 18.2 |
| 33170 1998 $EE_{11}$ | 14.4 | X | 326.25339 | 180.75399 | 45.88769 | 4.14570 | 0.2222519 | 0.21174839 | 2.7877638 | 21 | 2 6.3 | 17.9 |
| 33171 1998 $EF_{14}$ | 14.2 | X | 99.70894 | 282.93238 | 103.19045 | 3.06104 | 0.1001655 | 0.20619496 | 2.8375968 | 21 | — | — |
| 33172 1998 $EK_{14}$ | 13.7 | X | 83.32194 | 93.17205 | 145.27759 | 11.35775 | 0.1202854 | 0.18492333 | 3.0512298 | 21 | 9 12.2 | 18.1 |
| 33173 1998 $FC$ | 14.4 | X | 351.89827 | 204.09465 | 22.43401 | 9.59820 | 0.1126694 | 0.21732123 | 2.7398994 | 21 | 4 1.7 | 17.5 |
| 33174 1998 $FK_{3}$ | 14.1 | X | 284.54166 | 314.58639 | 151.20760 | 14.63631 | 0.1308004 | 0.23693214 | 2.5865451 | 21 | 11 16.4 | 17.4 |
| 33175 1998 $FP_{5}$ | 14.5 | X | 51.39981 | 91.04967 | 90.44393 | 6.48260 | 0.1041939 | 0.17370939 | 3.1811722 | 21 | 5 14.9 | 18.6 |
| 33176 1998 $FN_{12}$ | 14.8 | X | 205.97159 | 262.49604 | 6.14046 | 1.91392 | 0.0291315 | 0.20414350 | 2.8565753 | 21 | — | — |
| 33177 1998 $FR_{14}$ | 15.3 | X | 348.90975 | 296.43413 | 291.75855 | 2.61250 | 0.0446169 | 0.21509492 | 2.7587729 | 21 | 4 3.1 | 18.9 |
| 33178 1998 $FL_{15}$ | 13.8 | X | 279.46499 | 334.71772 | 144.05905 | 12.11376 | 0.1669376 | 0.24073233 | 2.5592523 | 21 | 11 20.8 | 16.9 |
| 33179 Arsènewenger | 14.2 | X | 213.13382 | 260.15880 | 231.44673 | 2.74881 | 0.0842877 | 0.23308716 | 2.6149124 | 21 | 9 17.1 | 17.9 |
| 33180 1998 $FD_{17}$ | 14.7 | X | 272.74972 | 27.67256 | 158.17084 | 13.22139 | 0.0705575 | 0.24570659 | 2.5245938 | 21 | — | — |
| 33181 Aalokpatwa | 14.4 | X | 313.65745 | 227.68814 | 77.54254 | 3.19350 | 0.0770263 | 0.22229630 | 2.6988654 | 21 | 5 23.0 | 17.8 |
| 33182 1998 $FT_{26}$ | 14.8 | X | 26.26291 | 208.33498 | 359.31695 | 13.95200 | 0.0965348 | 0.21835797 | 2.7312200 | 21 | 4 27.7 | 18.2 |
| 33183 1998 $FA_{28}$ | 14.2 | X | 250.68194 | 342.27770 | 311.31703 | 3.25412 | 0.0268104 | 0.21260463 | 2.7802738 | 21 | 2 22.2 | 18.1 |
| 33184 1998 $FM_{30}$ | 14.9 | X | 107.03456 | 15.15366 | 182.95584 | 11.39964 | 0.1685347 | 0.22573750 | 2.6713671 | 21 | 8 22.9 | 19.1 |
| 33185 1998 $FB_{31}$ | 14.3 | X | 265.46430 | 346.68143 | 165.80962 | 12.95494 | 0.0926581 | 0.24075704 | 2.5590772 | 21 | 12 22.1 | 17.7 |
| 33186 1998 $FR_{34}$ | 14.6 | X | 204.16463 | 225.33541 | 348.30187 | 14.98175 | 0.1172090 | 0.23893715 | 2.5720551 | 21 | 12 18.1 | 18.7 |
| 33187 Pizzolato | 15.2 | X | 79.96938 | 152.28076 | 17.05009 | 8.60428 | 0.1388313 | 0.22039029 | 2.7144036 | 21 | 6 9.6 | 18.9 |
| 33188 Shreya | 14.3 | X | 148.58407 | 137.48917 | 348.73294 | 5.42587 | 0.1500979 | 0.18159180 | 3.0884356 | 21 | 7 5.2 | 19.2 |
| 33189 Ritzdorf | 14.7 | X | 299.50949 | 317.38113 | 197.33211 | 2.05011 | 0.1721307 | 0.20258433 | 2.8712135 | 21 | — | — |
| 33190 Sigrest | 14.4 | X | 118.73651 | 264.09093 | 358.85584 | 9.63448 | 0.0562816 | 0.19257090 | 2.9699031 | 21 | 11 9.8 | 18.9 |
| 33191 Santiagostone | 14.4 | X | 281.03045 | 274.96226 | 181.08592 | 9.91933 | 0.0642779 | 0.19334398 | 2.9619811 | 21 | 10 27.8 | 18.4 |
| 33192 1998 $FD_{44}$ | 14.4 | X | 354.97255 | 295.52455 | 171.31402 | 1.75442 | 0.0250947 | 0.20277961 | 2.8693698 | 21 | — | — |
| 33193 Emhyr | 14.0 | X | 343.92115 | 58.29357 | 286.46138 | 1.62161 | 0.0851036 | 0.22836787 | 2.6508148 | 21 | 9 4.3 | 16.9 |
| 33194 1998 $FE_{48}$ | 13.5 | X | 291.23850 | 326.01847 | 354.39518 | 18.08670 | 0.1580015 | 0.17650143 | 3.1475349 | 21 | 4 25.1 | 18.3 |
| 33195 Davenyadav | 13.9 | X | 267.30120 | 244.22472 | 308.60421 | 3.30322 | 0.0851514 | 0.24399742 | 2.5363697 | 21 | — | — |
| 33196 Kaienyang | 14.1 | X | 166.43755 | 240.23489 | 210.02749 | 4.53198 | 0.1485564 | 0.18001691 | 3.1064224 | 21 | 6 7.4 | 19.1 |
| 33197 Charlallen | 14.4 | X | 11.26774 | 125.97460 | 105.35248 | 2.96548 | 0.1060717 | 0.17503453 | 3.1650960 | 21 | 5 15.9 | 18.3 |
| 33198 Mackewicz | 14.8 | X | 75.46204 | 78.12790 | 158.46887 | 1.83351 | 0.0938782 | 0.18318655 | 3.0704851 | 21 | 8 25.5 | 18.9 |
| 33199 1998 $FS_{53}$ | 14.2 | X | 160.36570 | 213.47900 | 351.80597 | 14.42230 | 0.2269779 | 0.19039525 | 2.9924849 | 21 | 10 14.5 | 19.5 |
| 33200 Carasummit | 14.0 | X | 51.72540 | 313.13598 | 270.18606 | 3.67309 | 0.0896156 | 0.17893736 | 3.1189042 | 21 | 7 5.8 | 17.9 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 33201 Thomasartiss | 14.8 | X | 102.72246 | 156.22143 | 297.72812 | 1.02331 | 0.0542563 | 0.21386818 | 2.7693123 | 21 | 3 20.3 | 18.4 |
| 33202 Davignon | 14.7 | X | 216.35069 | 121.27656 | 77.60098 | 0.73006 | 0.0249232 | 0.19659689 | 2.9292175 | 21 | 12 17.1 | 18.8 |
| 33203 1998 $FA_{57}$ | 14.1 | X | 312.93859 | 303.55444 | 173.43621 | 1.97405 | 0.0275202 | 0.19848433 | 2.9106181 | 21 | — | — |
| 33204 1998 $FP_{57}$ | 14.5 | X | 103.12828 | 310.37422 | 193.17560 | 13.52866 | 0.0987220 | 0.17709494 | 3.1404987 | 21 | 6 3.5 | 19.2 |
| 33205 Graigmarx | 14.3 | X | 71.94326 | 198.76266 | 5.18283 | 0.45351 | 0.1009385 | 0.17906558 | 3.1174151 | 21 | 7 10.7 | 18.5 |
| 33206 1998 $FB_{60}$ | 14.5 | X | 226.70920 | 52.46402 | 14.87410 | 12.51994 | 0.1537299 | 0.22605322 | 2.6688792 | 21 | 7 6.6 | 18.9 |
| 33207 1998 $FU_{64}$ | 13.4 | X | 128.06071 | 23.97691 | 185.55830 | 10.76178 | 0.1273216 | 0.18628168 | 3.0363789 | 21 | 9 23.0 | 18.0 |
| 33208 1998 $FL_{65}$ | 14.2 | X | 264.82907 | 173.70061 | 210.54910 | 10.17459 | 0.0797654 | 0.18115635 | 3.0933829 | 21 | 6 30.2 | 18.8 |
| 33209 1998 $FD_{67}$ | 13.8 | X | 16.20056 | 41.64359 | 178.21913 | 16.69006 | 0.0056690 | 0.17457515 | 3.1706461 | 21 | 5 9.3 | 18.4 |
| 33210 Johnrobertson | 14.6 | X | 184.81171 | 287.26597 | 155.96682 | 6.31031 | 0.0405085 | 0.22108195 | 2.7087392 | 21 | 6 15.2 | 18.5 |
| 33211 1998 $FG_{74}$ | 13.9 | X | 267.18006 | 93.78165 | 255.73765 | 9.30785 | 0.0741794 | 0.17581188 | 3.1557595 | 21 | 5 21.5 | 18.4 |
| 33212 1998 $FG_{76}$ | 13.8 | X | 253.80936 | 291.35808 | 49.36724 | 1.96234 | 0.1971772 | 0.17290673 | 3.1910096 | 21 | 4 13.6 | 18.9 |
| 33213 Diggs | 15.0 | X | 107.06488 | 3.80403 | 101.11971 | 4.12221 | 0.1600940 | 0.21731199 | 2.7399770 | 21 | 4 26.5 | 18.8 |
| 33214 1998 $FP_{90}$ | 13.0 | X | 216.34592 | 64.09683 | 3.76699 | 21.96666 | 0.0547735 | 0.22549144 | 2.6733101 | 21 | 7 5.9 | 17.3 |
| 33215 Garyjones | 14.1 | X | 185.18594 | 198.19504 | 24.48752 | 8.11499 | 0.1790501 | 0.23743424 | 2.5828974 | 21 | 12 3.5 | 18.3 |
| 33216 1998 $FW_{96}$ | 14.8 | X | 192.91322 | 325.59016 | 200.93322 | 11.40168 | 0.2483830 | 0.23382650 | 2.6093974 | 21 | 9 29.8 | 19.4 |
| 33217 Bonnybasu | 14.2 | X | 104.76621 | 37.44221 | 210.66048 | 8.85803 | 0.0741691 | 0.18952430 | 3.0016458 | 21 | 10 10.9 | 18.7 |
| 33218 1998 $FO_{106}$ | 13.5 | X | 98.57182 | 287.95198 | 345.77914 | 9.63721 | 0.0712634 | 0.19032948 | 2.9931743 | 21 | 11 1.0 | 18.1 |
| 33219 De Los Santos | 15.0 | X | 44.71646 | 221.05647 | 281.63937 | 6.67851 | 0.1635033 | 0.21320766 | 2.7750289 | 21 | 3 7.4 | 18.0 |
| 33220 1998 $FS_{109}$ | 14.9 | X | 231.76006 | 284.89754 | 313.01887 | 6.26434 | 0.2567163 | 0.20015168 | 2.8944311 | 21 | — | — |
| 33221 Raqueljacobson | 14.8 | X | 335.99347 | 342.38289 | 307.33667 | 4.94601 | 0.1817876 | 0.30183759 | 2.2010023 | 21 | 5 13.7 | 16.7 |
| 33222 Gillingham | 14.1 | X | 345.05184 | 269.79262 | 309.30854 | 8.36697 | 0.1309890 | 0.21240342 | 2.7820294 | 21 | 3 5.4 | 17.6 |
| 33223 1998 $FT_{113}$ | 13.8 | X | 224.14736 | 221.60469 | 221.08094 | 11.01483 | 0.1675043 | 0.22723408 | 2.6596250 | 21 | 7 18.0 | 18.2 |
| 33224 Lesrogers | 14.2 | X | 201.44128 | 147.29536 | 326.61370 | 8.26957 | 0.0564260 | 0.18348292 | 3.0671778 | 21 | 8 12.8 | 18.8 |
| 33225 1998 $FA_{118}$ | 14.3 | X | 37.37230 | 305.15976 | 258.61969 | 5.13762 | 0.1087024 | 0.17381047 | 3.1799388 | 21 | 5 21.1 | 18.2 |
| 33226 Melissamacko | 14.2 | X | 17.93462 | 276.79734 | 62.42168 | 2.75663 | 0.1134438 | 0.18838541 | 3.0137313 | 21 | 10 20.6 | 17.9 |
| 33227 1998 $FX_{121}$ | 14.7 | X | 104.62738 | 277.67185 | 142.14471 | 3.46851 | 0.2088475 | 0.21125654 | 2.7920891 | 21 | 3 3.5 | 18.5 |
| 33228 1998 $FZ_{121}$ | 13.0 | X | 41.81966 | 168.67241 | 165.89248 | 10.32441 | 0.0974359 | 0.19082838 | 2.9879552 | 21 | 11 17.5 | 17.2 |
| 33229 1998 $FC_{124}$ | 13.5 | X | 59.83266 | 320.73650 | 18.10367 | 15.14615 | 0.1282199 | 0.23819933 | 2.5773636 | 21 | 12 25.7 | 17.4 |
| 33230 Libbyrobertson | 15.2 | X | 111.13032 | 293.28655 | 133.27302 | 5.30981 | 0.0531616 | 0.21263720 | 2.7799899 | 21 | 2 25.7 | 18.8 |
| 33231 1998 $FH_{146}$ | 13.5 | X | 259.98675 | 94.60889 | 162.46617 | 14.54916 | 0.0786686 | 0.20646125 | 2.8351564 | 21 | 1 15.1 | 18.0 |
| 33232 1998 $GE_{3}$ | 14.2 | X | 58.61717 | 32.98483 | 137.86947 | 14.47976 | 0.1373147 | 0.21804259 | 2.7338530 | 21 | 5 16.4 | 17.8 |
| 33233 1998 $GT_{6}$ | 13.8 | X | 171.20486 | 79.84901 | 105.30599 | 14.62881 | 0.2133443 | 0.23185921 | 2.6241369 | 21 | 10 14.4 | 18.6 |
| 33234 1998 $GL_{7}$ | 14.5 | X | 220.63691 | 320.29121 | 141.41335 | 13.97081 | 0.1033100 | 0.27044386 | 2.3681977 | 21 | 8 19.1 | 17.7 |
| 33235 1998 $GB_{8}$ | 13.9 | X | 125.92418 | 183.35466 | 125.21000 | 15.56794 | 0.1026397 | 0.23870531 | 2.5737202 | 21 | — | — |
| 33236 1998 $GV_{8}$ | 14.1 | X | 95.05251 | 103.62458 | 114.79596 | 13.81167 | 0.1308452 | 0.22460862 | 2.6803104 | 21 | 9 7.3 | 18.1 |
| 33237 1998 $GY_{8}$ | 14.7 | X | 207.31184 | 35.02219 | 126.46226 | 13.58169 | 0.2184698 | 0.23377269 | 2.6097978 | 21 | 10 14.2 | 19.2 |
| 33238 1998 $GE_{9}$ | 13.6 | X | 107.81763 | 120.21044 | 150.46911 | 15.21883 | 0.1170945 | 0.23136952 | 2.6278382 | 21 | 11 24.6 | 17.9 |
| 33239 1998 $GO_{9}$ | 13.4 | X | 319.76360 | 204.01157 | 119.71773 | 15.52663 | 0.1855262 | 0.17733879 | 3.1376191 | 21 | 6 15.2 | 17.3 |
| 33240 1998 $HC_{3}$ | 14.5 | X | 242.66877 | 298.52042 | 177.27942 | 14.25977 | 0.1136078 | 0.18993000 | 2.9973699 | 21 | 9 25.3 | 18.7 |
| 33241 1998 $HX_{5}$ | 14.3 | X | 338.74263 | 231.27568 | 130.78649 | 4.50054 | 0.0479930 | 0.18511956 | 3.0490732 | 21 | 9 18.2 | 18.3 |
| 33242 1998 $HR_{6}$ | 13.7 | X | 12.18883 | 276.54972 | 71.62932 | 9.36674 | 0.0953463 | 0.18445259 | 3.0564190 | 21 | 10 23.6 | 17.6 |
| 33243 1998 $HY_{7}$ | 13.9 | X | 62.54616 | 140.47062 | 91.92249 | 17.01608 | 0.2170700 | 0.22229835 | 2.6988488 | 21 | 8 31.1 | 17.8 |
| 33244 1998 $HO_{13}$ | 14.1 | X | 56.24340 | 275.18713 | 218.58866 | 15.24768 | 0.1005761 | 0.17015412 | 3.2253319 | 21 | 3 16.4 | 18.5 |
| 33245 1998 $HV_{14}$ | 15.2 | X | 120.16050 | 46.90478 | 77.86284 | 3.28857 | 0.1001293 | 0.17691704 | 3.1426036 | 21 | 5 30.1 | 19.8 |
| 33246 1998 $HK_{17}$ | 13.6 | X | 177.00818 | 113.01753 | 241.71624 | 3.41665 | 0.0829079 | 0.21042670 | 2.7994249 | 21 | 2 14.4 | 17.9 |
| 33247 Iannacone | 14.6 | X | 100.72303 | 285.99610 | 226.11415 | 5.07537 | 0.1712810 | 0.22026528 | 2.7154304 | 21 | 6 19.3 | 18.5 |
| 33248 Nataliehowell | 14.4 | X | 212.42150 | 108.63590 | 3.28005 | 6.11114 | 0.1929643 | 0.22931447 | 2.6435148 | 21 | 8 16.0 | 18.6 |
| 33249 Pamelasvenson | 14.5 | X | 277.90238 | 75.00488 | 196.58632 | 2.71025 | 0.0509528 | 0.21087067 | 2.7954942 | 21 | 2 24.7 | 18.5 |
| 33250 1998 $HO_{23}$ | 13.9 | X | 226.28698 | 38.05837 | 155.33517 | 8.41795 | 0.2044421 | 0.19610934 | 2.9340704 | 21 | 12 1.8 | 18.6 |
| 33251 1998 $HS_{24}$ | 14.1 | X | 233.47304 | 355.39749 | 136.94261 | 12.08132 | 0.0416036 | 0.19039688 | 2.9924679 | 21 | 10 18.7 | 18.5 |
| 33252 1998 $HA_{28}$ | 14.2 | X | 284.83229 | 118.46982 | 230.96262 | 3.78297 | 0.1727557 | 0.17875009 | 3.1210822 | 21 | 5 29.5 | 18.5 |
| 33253 1998 $HJ_{29}$ | 13.6 | X | 186.63649 | 65.99935 | 8.27034 | 10.63737 | 0.1359022 | 0.17906287 | 3.1174466 | 21 | 6 4.3 | 18.8 |
| 33254 Sundaresakumar | 14.6 | X | 72.42686 | 317.05986 | 147.53992 | 4.99692 | 0.0253781 | 0.21027315 | 2.8007876 | 21 | 2 19.4 | 18.3 |
| 33255 Kathybush | 14.3 | X | 38.28841 | 337.34419 | 214.20984 | 8.59087 | 0.1703703 | 0.17322877 | 3.1870536 | 21 | 5 13.8 | 18.0 |
| 33256 1998 $HK_{35}$ | 13.0 | X | 208.20003 | 334.89901 | 174.89272 | 10.59439 | 0.0437740 | 0.18906274 | 3.0065291 | 21 | 10 6.6 | 17.3 |
| 33257 1998 $HS_{37}$ | 13.9 | X | 92.44916 | 228.55131 | 262.76544 | 2.40711 | 0.0330062 | 0.21521781 | 2.7577226 | 21 | 4 20.8 | 17.6 |
| 33258 Femariebustos | 14.9 | X | 341.19490 | 119.89056 | 7.14245 | 2.15358 | 0.1685664 | 0.20322418 | 2.8651836 | 21 | — | — |
| 33259 1998 $HL_{39}$ | 13.7 | X | 187.57413 | 197.66601 | 201.25815 | 17.27260 | 0.2123967 | 0.21605755 | 2.7505724 | 21 | 4 24.8 | 18.5 |
| 33260 1998 $HJ_{43}$ | 14.3 | X | 320.44196 | 101.00765 | 127.43679 | 10.23759 | 0.1930888 | 0.21042121 | 2.7994736 | 21 | 2 4.2 | 18.1 |
| 33261 Ginagarlie | 14.2 | X | 260.42245 | 75.13871 | 250.12954 | 5.48435 | 0.0189394 | 0.21450804 | 2.7638025 | 21 | 4 15.1 | 18.1 |
| 33262 1998 $HK_{51}$ | 13.6 | X | 47.72475 | 69.40481 | 155.12723 | 7.60205 | 0.1329330 | 0.17598855 | 3.1536472 | 21 | 7 7.0 | 17.6 |
| 33263 Willhutch | 14.7 | X | 152.46485 | 143.40329 | 139.75013 | 2.82137 | 0.0702226 | 0.19659263 | 2.9292598 | 21 | — | — |
| 33264 Maryrogers | 14.4 | X | 19.03561 | 136.93099 | 91.38047 | 2.29261 | 0.1145899 | 0.17398728 | 3.1777840 | 21 | 5 24.8 | 18.3 |
| 33265 1998 $HC_{63}$ | 13.3 | X | 236.75215 | 120.23504 | 39.24604 | 15.40555 | 0.0536053 | 0.23530027 | 2.5984903 | 21 | 11 23.8 | 16.8 |
| 33266 1998 $HW_{78}$ | 13.9 | X | 337.82163 | 176.74167 | 233.29691 | 9.12004 | 0.0759259 | 0.19097349 | 2.9864414 | 21 | 11 16.6 | 17.6 |
| 33267 1998 $HY_{93}$ | 13.3 | X | 322.17131 | 287.01467 | 5.37184 | 5.01333 | 0.1188598 | 0.17360749 | 3.1824169 | 21 | 5 14.4 | 17.5 |
| 33268 1998 $HZ_{93}$ | 15.3 | X | 80.95554 | 147.19377 | 26.66475 | 13.03787 | 0.1704541 | 0.21832482 | 2.7314964 | 21 | 6 22.8 | 19.2 |
| 33269 Broccoli | 15.3 | X | 120.21744 | 7.52846 | 92.45756 | 3.51215 | 0.0815980 | 0.29896876 | 2.2150601 | 21 | 4 17.1 | 17.8 |
| 33270 Katiecrysup | 14.0 | X | 39.28447 | 182.28723 | 108.52195 | 3.21696 | 0.1388461 | 0.18188766 | 3.0850856 | 21 | 9 23.2 | 17.9 |
| 33271 1998 $HS_{101}$ | 14.1 | X | 22.07428 | 112.39839 | 136.74623 | 19.24890 | 0.1613440 | 0.21871716 | 2.7282289 | 21 | 7 1.3 | 17.2 |
| 33272 1998 $HC_{102}$ | 13.2 | X | 137.96594 | 226.86733 | 42.54280 | 10.86610 | 0.0744639 | 0.19077348 | 2.9885284 | 21 | 12 10.3 | 17.9 |
| 33273 1998 $HM_{103}$ | 13.6 | X | 197.55165 | 324.17980 | 80.38757 | 12.53691 | 0.1164086 | 0.17578440 | 3.1560884 | 21 | 5 14.3 | 18.7 |
| 33274 Beaubingham | 14.4 | X | 231.32491 | 119.29029 | 79.99346 | 8.02294 | 0.0988355 | 0.23908229 | 2.5710140 | 21 | — | — |
| 33275 1998 $HD_{115}$ | 13.4 | X | 338.16940 | 286.18047 | 115.55042 | 13.34346 | 0.1751968 | 0.23280021 | 2.6170607 | 21 | 11 23.2 | 16.1 |
| 33276 1998 $HS_{115}$ | 13.7 | X | 292.10875 | 272.38314 | 101.55214 | 11.93739 | 0.1041431 | 0.18057062 | 3.1000687 | 21 | 7 20.6 | 17.8 |
| 33277 1998 $HO_{119}$ | 13.8 | X | 202.47029 | 117.81056 | 72.41227 | 11.07468 | 0.0519607 | 0.19145115 | 2.9814719 | 21 | 11 18.1 | 18.1 |
| 33278 1998 $HR_{119}$ | 12.9 | X | 279.31981 | 270.11102 | 76.99853 | 11.39017 | 0.2040774 | 0.17412752 | 3.1760776 | 21 | 5 17.5 | 17.5 |
| 33279 1998 $HA_{120}$ | 13.7 | X | 2.71688 | 214.13574 | 123.55328 | 12.22148 | 0.1254111 | 0.18318239 | 3.0705316 | 21 | 9 28.5 | 17.5 |
| 33280 1998 $HT_{120}$ | 13.8 | X | 269.45330 | 331.68914 | 149.98315 | 11.76536 | 0.0543641 | 0.19140887 | 2.9819110 | 21 | 11 16.3 | 18.1 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 33281 1998 $HE_{125}$ | 13.2 | $X$ | 310.84965 | 270.84128 | 126.17533 | 12.16197 | 0.0767165 | 0.18420746 | 3.0591299 | 21 | 9 24.1 | 17.3 |
| 33282 Arjunramani | 14.1 | $X$ | 292.20934 | 286.67518 | 52.98211 | 1.38753 | 0.0617570 | 0.17925066 | 3.1152689 | 21 | 6 11.8 | 18.4 |
| 33283 1998 $HJ_{148}$ | 14.3 | $X$ | 90.07909 | 88.04273 | 155.16295 | 1.65734 | 0.0989546 | 0.18212735 | 3.0823783 | 21 | 9 21.5 | 18.8 |
| 33284 1998 $HD_{153}$ | 13.1 | $X$ | 338.35492 | 207.31512 | 154.96641 | 13.05562 | 0.1834552 | 0.22862970 | 2.6487905 | 21 | 9 21.5 | 15.5 |
| 33285 1998 $JR_{2}$ | 13.7 | $X$ | 116.04805 | 139.61493 | 93.19724 | 10.76491 | 0.0466930 | 0.18490537 | 3.0514273 | 21 | 10 8.2 | 18.3 |
| 33286 1998 $KA$ | 13.8 | $X$ | 88.19296 | 300.58899 | 239.01755 | 3.64753 | 0.1041151 | 0.17548206 | 3.1597125 | 21 | 6 30.6 | 18.2 |
| 33287 1998 $KE_{1}$ | 13.3 | $X$ | 50.00494 | 254.89721 | 55.31948 | 11.91293 | 0.0844804 | 0.18517861 | 3.0484249 | 21 | 10 26.4 | 17.4 |
| 33288 1998 $KL_{4}$ | 13.4 | $X$ | 89.10984 | 320.86995 | 228.28681 | 21.59775 | 0.0798535 | 0.17589408 | 3.1547763 | 21 | 7 5.8 | 18.2 |
| 33289 1998 $KP_{5}$ | 13.2 | $X$ | 226.29229 | 267.58325 | 150.78175 | 15.59004 | 0.1827222 | 0.17475406 | 3.1684817 | 21 | 6 22.4 | 18.6 |
| 33290 1998 $KZ_{7}$ | 12.8 | $X$ | 332.32786 | 252.85476 | 74.35940 | 17.13367 | 0.1385837 | 0.17607068 | 3.1526665 | 21 | 7 16.8 | 16.7 |
| 33291 1998 $KP_{9}$ | 14.2 | $X$ | 177.93588 | 150.31485 | 27.66367 | 15.32212 | 0.0813899 | 0.23406767 | 2.6076048 | 21 | 10 10.9 | 18.1 |
| 33292 1998 $KT_{26}$ | 13.1 | $X$ | 140.41593 | 344.67412 | 115.49707 | 20.63978 | 0.1283885 | 0.17142251 | 3.2094022 | 21 | 5 29.8 | 18.4 |
| 33293 1998 $KM_{31}$ | 13.8 | $X$ | 128.80138 | 200.94318 | 87.93821 | 11.53863 | 0.0585729 | 0.19134895 | 2.9825335 | 21 | 12 24.5 | 18.1 |
| 33294 1998 $KM_{35}$ | 13.8 | $X$ | 243.61515 | 203.32122 | 63.85945 | 16.36818 | 0.2484002 | 0.20120896 | 2.8842828 | 21 | 1 4.6 | 19.0 |
| 33295 1998 $KV_{40}$ | 13.8 | $X$ | 331.30893 | 350.65948 | 85.42367 | 11.63472 | 0.0547446 | 0.19001247 | 2.9965025 | 21 | 12 10.0 | 17.7 |
| 33296 1998 $KN_{42}$ | 13.1 | $X$ | 86.12979 | 223.01706 | 95.99040 | 13.84025 | 0.1622964 | 0.18991728 | 2.9975037 | 21 | 12 24.6 | 17.6 |
| 33297 1998 $KW_{44}$ | 13.1 | $X$ | 69.18099 | 315.74231 | 223.93832 | 13.21898 | 0.1043054 | 0.17179620 | 3.2047465 | 21 | 6 6.1 | 17.5 |
| 33298 1998 $KY_{44}$ | 13.8 | $X$ | 250.93512 | 76.98766 | 93.39029 | 11.69193 | 0.0462950 | 0.19204347 | 2.9753383 | 21 | 12 20.6 | 18.0 |
| 33299 1998 $KN_{45}$ | 13.8 | $X$ | 340.39371 | 185.87294 | 77.28780 | 2.09110 | 0.0951138 | 0.17026742 | 3.2239008 | 21 | 5 8.9 | 17.8 |
| 33300 1998 $KP_{45}$ | 13.6 | $X$ | 159.41169 | 271.77092 | 249.43952 | 13.77301 | 0.1078377 | 0.17994288 | 3.1072744 | 21 | 8 18.9 | 18.7 |
| 33301 1998 $KH_{47}$ | 12.9 | $X$ | 171.85300 | 314.47385 | 235.56510 | 12.30800 | 0.0423832 | 0.18450514 | 3.0558385 | 21 | 10 9.9 | 17.6 |
| 33302 1998 $KV_{48}$ | 12.9 | $X$ | 19.77357 | 143.31850 | 97.92613 | 13.08229 | 0.1300620 | 0.17400486 | 3.1775701 | 21 | 6 13.9 | 16.8 |
| 33303 1998 $KW_{48}$ | 14.0 | $X$ | 110.08450 | 126.15264 | 90.21918 | 12.55135 | 0.1370633 | 0.22428083 | 2.6829214 | 21 | 9 24.3 | 18.3 |
| 33304 1998 $KH_{50}$ | 13.6 | $X$ | 358.84011 | 186.03184 | 134.05376 | 11.64144 | 0.0435435 | 0.17917460 | 3.1161504 | 21 | 8 22.2 | 17.8 |
| 33305 1998 $KQ_{50}$ | 13.6 | $X$ | 210.18139 | 222.38475 | 177.95409 | 15.34312 | 0.0460213 | 0.17183956 | 3.2042074 | 21 | 5 24.6 | 18.6 |
| 33306 1998 $KT_{50}$ | 13.4 | $X$ | 220.12799 | 260.01905 | 161.65706 | 13.10217 | 0.0607925 | 0.17547586 | 3.1597869 | 21 | 6 28.2 | 18.3 |
| 33307 1998 $KX_{52}$ | 13.5 | $X$ | 71.89241 | 1.93217 | 176.79126 | 15.56873 | 0.1488937 | 0.17323150 | 3.1870202 | 21 | 6 15.8 | 18.1 |
| 33308 1998 $KR_{53}$ | 12.8 | $X$ | 105.05664 | 137.29566 | 109.78604 | 15.48230 | 0.0073200 | 0.18333207 | 3.0688601 | 21 | 10 10.2 | 17.4 |
| 33309 1998 $KY_{53}$ | 13.6 | $X$ | 96.18119 | 182.34451 | 108.87274 | 11.10313 | 0.0655508 | 0.18700886 | 3.0285025 | 21 | 11 24.7 | 18.1 |
| 33310 1998 $KF_{54}$ | 13.1 | $X$ | 248.07874 | 181.62098 | 120.16473 | 16.62841 | 0.1245701 | 0.16331089 | 3.3148150 | 21 | 3 4.2 | 18.4 |
| 33311 1998 $KX_{54}$ | 13.3 | $X$ | 79.61729 | 82.28373 | 103.49903 | 23.42706 | 0.0733782 | 0.17376969 | 3.1804362 | 21 | 6 24.3 | 17.8 |
| 33312 1998 $KG_{57}$ | 13.4 | $X$ | 98.06452 | 9.27522 | 43.77334 | 12.62013 | 0.0364482 | 0.20416224 | 2.8564005 | 21 | 1 25.0 | 17.5 |
| 33313 1998 $KJ_{60}$ | 14.2 | $X$ | 334.39414 | 96.07955 | 136.27471 | 17.91905 | 0.0959965 | 0.20941627 | 2.8084225 | 21 | 3 19.6 | 17.9 |
| 33314 1998 $KX_{60}$ | 13.3 | $X$ | 300.33274 | 358.95134 | 104.11271 | 11.96878 | 0.0569944 | 0.19019046 | 2.9946327 | 21 | 12 2.3 | 17.3 |
| 33315 1998 $KA_{63}$ | 14.1 | $X$ | 11.74313 | 114.01730 | 96.31588 | 5.79840 | 0.0834065 | 0.16956117 | 3.2328467 | 21 | 4 21.6 | 18.2 |
| 33316 1998 $KY_{65}$ | 13.2 | $X$ | 77.05502 | 14.16254 | 201.00184 | 30.50185 | 0.1945067 | 0.17675800 | 3.1444884 | 21 | 8 8.1 | 18.3 |
| 33317 1998 $MT_{5}$ | 14.1 | $X$ | 199.08221 | 313.78889 | 247.02615 | 23.16852 | 0.1857789 | 0.27283235 | 2.3543560 | 21 | 11 25.5 | 17.6 |
| 33318 1998 $MU_{9}$ | 15.1 | $X$ | 310.09744 | 151.17935 | 165.23167 | 6.71903 | 0.2247066 | 0.25474939 | 2.4644913 | 21 | 5 8.6 | 18.0 |
| 33319 Kunqu | 15.0 | $X$ | 66.10919 | 304.33718 | 101.03156 | 23.99146 | 0.0995566 | 0.36330688 | 1.9451524 | 21 | — | — |
| 33320 1998 $OP_{12}$ | 14.3 | $X$ | 182.88414 | 137.67759 | 101.74790 | 1.31461 | 0.3221188 | 0.18870540 | 3.0103235 | 21 | 12 9.6 | 19.8 |
| 33321 1998 $QL$ | 14.2 | $X$ | 275.72981 | 0.81274 | 14.80102 | 3.57144 | 0.1079223 | 0.21053536 | 2.7984616 | 21 | 6 29.9 | 18.0 |
| 33322 1998 $QQ_{5}$ | 16.0 | $X$ | 311.36018 | 85.63752 | 177.02890 | 21.67470 | 0.0910442 | 0.37424793 | 1.9070545 | 21 | 2 20.6 | 18.2 |
| 33323 1998 $QN_{53}$ | 12.5 | $X$ | 161.08261 | 28.58716 | 216.24664 | 11.29261 | 0.2100159 | 0.18023936 | 3.1038660 | 21 | 12 3.0 | 17.8 |
| 33324 1998 $QE_{56}$ | 15.0 | $X$ | 240.29022 | 125.06984 | 180.03271 | 23.73131 | 0.0806326 | 0.36787774 | 1.9290066 | 21 | 1 23.2 | 18.0 |
| 33325 1998 $RH_{3}$ | 14.8 | $X$ | 156.85643 | 13.09695 | 343.12789 | 20.47315 | 0.0684562 | 0.36547510 | 1.9374516 | 21 | — | — |
| 33326 1998 $RJ_{4}$ | 16.3 | $X$ | 194.59695 | 124.08841 | 182.13098 | 21.93395 | 0.0752418 | 0.36362194 | 1.9440286 | 21 | — | — |
| 33327 1998 $RV_{4}$ | 16.2 | $X$ | 66.63244 | 207.30979 | 169.20501 | 23.45581 | 0.0869253 | 0.35565006 | 1.9729714 | 21 | — | — |
| 33328 Archanaverma | 14.3 | $X$ | 141.55011 | 117.94194 | 187.47683 | 6.65043 | 0.0965216 | 0.18488172 | 3.0516876 | 21 | — | — |
| 33329 Stefanwan | 14.5 | $X$ | 357.23220 | 51.79101 | 152.04175 | 5.26657 | 0.1098569 | 0.28339397 | 2.2954913 | 21 | 2 23.6 | 16.8 |
| 33330 Barèges | 16.8 | $X$ | 50.79167 | 287.29208 | 45.60703 | 1.15503 | 0.2365811 | 0.30586943 | 2.1816178 | 21 | — | — |
| 33331 1998 $SY_{21}$ | 15.5 | $X$ | 151.26400 | 139.74275 | 185.21070 | 6.02796 | 0.2228354 | 0.27415379 | 2.3467845 | 21 | — | — |
| 33332 1998 $SN_{34}$ | 15.7 | $X$ | 99.60504 | 226.92897 | 196.08297 | 21.74784 | 0.0897162 | 0.36363385 | 1.9439862 | 21 | — | — |
| 33333 1998 $SP_{66}$ | 15.1 | $X$ | 105.71469 | 200.15979 | 67.79916 | 6.38586 | 0.1724337 | 0.30452752 | 2.1880220 | 21 | 11 28.9 | 18.4 |
| 33334 Turon | 13.8 | $X$ | 83.63349 | 49.94585 | 47.42475 | 12.02915 | 0.0347504 | 0.18978984 | 2.9988454 | 21 | 3 7.7 | 18.1 |
| 33335 Guibert | 15.7 | $X$ | 21.25555 | 197.19522 | 42.89385 | 1.98814 | 0.1627696 | 0.28703456 | 2.2760402 | 21 | 6 11.1 | 17.3 |
| 33336 1998 $VF_{7}$ | 14.0 | $X$ | 135.45609 | 177.53877 | 225.31196 | 13.06591 | 0.2522050 | 0.23488250 | 2.6015706 | 21 | 3 12.7 | 18.3 |
| 33337 Amberyang | 15.7 | $X$ | 193.84279 | 303.40979 | 37.75989 | 3.28772 | 0.1002254 | 0.27850762 | 2.3222626 | 21 | 2 8.9 | 18.9 |
| 33338 1998 $VF_{21}$ | 14.1 | $X$ | 170.13617 | 124.48356 | 236.30007 | 10.71423 | 0.1075552 | 0.19043979 | 2.9920184 | 21 | 2 15.9 | 18.9 |
| 33339 1998 $VR_{32}$ | 15.6 | $X$ | 158.83471 | 235.05421 | 126.06211 | 24.25107 | 0.0892164 | 0.36116822 | 1.9528237 | 21 | 1 6.2 | 17.7 |
| 33340 1998 $VG_{44}$ | 6.5 | $X$ | 11.55221 | 323.67366 | 127.93212 | 3.04179 | 0.2484268 | 0.00404092 | 39.0375602 | 21 | 1 10.3 | 21.2 |
| 33341 1998 $WA_{5}$ | 15.0 | $X$ | 103.53384 | 12.17129 | 96.34056 | 28.37996 | 0.0587347 | 0.36578882 | 1.9363436 | 21 | 4 9.8 | 17.9 |
| 33342 1998 $WT_{24}$ | 17.9 | $X$ | 246.57074 | 167.54353 | 81.68019 | 7.36700 | 0.4175885 | 1.61721874 | 0.7188256 | 21 | — | — |
| 33343 Madorobin | 15.5 | $X$ | 74.70573 | 68.81750 | 121.57685 | 7.28152 | 0.0722864 | 0.27889349 | 2.3201201 | 21 | 6 20.8 | 18.2 |
| 33344 Madymesplé | 14.8 | $X$ | 348.23932 | 85.35868 | 73.15632 | 5.17695 | 0.2135362 | 0.22557180 | 2.6726752 | 21 | — | — |
| 33345 Nataliedessay | 13.9 | $X$ | 107.02791 | 80.64653 | 98.10885 | 5.17810 | 0.1827295 | 0.24220435 | 2.5488723 | 21 | 8 3.1 | 17.7 |
| 33346 Sabinedevieilhe | 14.8 | $X$ | 50.79471 | 117.79468 | 79.78653 | 14.15033 | 0.1139233 | 0.23910996 | 2.5708157 | 21 | 6 1.4 | 17.7 |
| 33347 Maryzhu | 14.9 | $X$ | 350.70751 | 122.34151 | 30.11277 | 2.88262 | 0.1511209 | 0.26787606 | 2.3833077 | 21 | — | — |
| 33348 Stevelliott | 14.6 | $X$ | 169.36552 | 87.77493 | 50.85867 | 4.13307 | 0.0711617 | 0.28814744 | 2.2701761 | 21 | 8 13.5 | 17.7 |
| 33349 1998 $XF_{72}$ | 13.7 | $X$ | 89.51579 | 139.90896 | 339.79791 | 8.05576 | 0.1060671 | 0.27640539 | 2.3340225 | 21 | 4 2.5 | 16.4 |
| 33350 1998 $XY_{86}$ | 15.4 | $X$ | 65.39140 | 227.81347 | 192.95621 | 4.57545 | 0.2097986 | 0.26824258 | 2.3811362 | 21 | — | — |
| 33351 1998 $XZ_{89}$ | 15.0 | $X$ | 34.39019 | 324.56895 | 127.24824 | 12.54158 | 0.2081105 | 0.26690443 | 2.3890882 | 21 | — | — |
| 33352 1998 $XF_{95}$ | 14.4 | $X$ | 160.48537 | 206.01071 | 238.82578 | 6.33176 | 0.1532053 | 0.28078112 | 2.3097100 | 21 | 5 22.1 | 17.8 |
| 33353 Chattopadhyay | 14.9 | $X$ | 70.43619 | 64.65966 | 131.40866 | 6.67194 | 0.0694323 | 0.28215124 | 2.3022266 | 21 | 6 22.1 | 17.6 |
| 33354 1998 $YZ_{16}$ | 15.4 | $X$ | 286.52617 | 70.04421 | 139.70171 | 1.88979 | 0.1285380 | 0.26318305 | 2.4115565 | 21 | — | — |
| 33355 1998 $YJ_{19}$ | 16.4 | $X$ | 260.44871 | 252.23718 | 84.70853 | 1.69766 | 0.2249335 | 0.28062249 | 2.3105803 | 21 | 4 4.4 | 20.0 |
| 33356 1999 $AM_{3}$ | 14.8 | $X$ | 241.88408 | 21.07875 | 302.69160 | 22.34046 | 0.0373547 | 0.36242122 | 1.9483201 | 21 | 2 17.3 | 17.2 |
| 33357 1999 $AX_{5}$ | 15.9 | $X$ | 316.98030 | 58.26278 | 73.01104 | 4.98379 | 0.0611177 | 0.30196005 | 2.2004072 | 21 | — | — |
| 33358 1999 $AD_{8}$ | 15.4 | $X$ | 9.01751 | 91.29098 | 66.22099 | 4.03865 | 0.0383225 | 0.31090339 | 2.1580048 | 21 | 1 8.8 | 17.6 |
| 33359 1999 $AD_{19}$ | 14.5 | $X$ | 318.23446 | 111.99934 | 137.37883 | 6.20628 | 0.1801073 | 0.18124436 | 3.0923814 | 21 | 3 7.7 | 18.5 |
| 33360 1999 $AK_{25}$ | 15.7 | $X$ | 337.40234 | 169.46411 | 21.63219 | 0.90818 | 0.1297110 | 0.26659686 | 2.3909254 | 21 | 1 6.5 | 18.3 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 33361 1999 $AU_{25}$ | 15.9 | X | 127.36050 | 242.55110 | 336.38880 | 5.02721 | 0.1937282 | 0.28444476 | 2.2898345 | 21 | 10 14.3 | 19.5 |
| 33362 1999 $BP_{1}$ | 15.4 | X | 245.05287 | 191.74767 | 21.54307 | 3.26747 | 0.1025008 | 0.30294076 | 2.1956557 | 21 | — | — |
| 33363 1999 $BO_{4}$ | 14.2 | X | 331.11560 | 4.05113 | 326.00989 | 13.34033 | 0.2276414 | 0.23851358 | 2.5750993 | 21 | 7 11.2 | 16.6 |
| 33364 1999 $BX_{5}$ | 15.4 | X | 59.92636 | 237.47885 | 313.20282 | 6.50495 | 0.0682990 | 0.27545567 | 2.3393843 | 21 | 5 26.2 | 18.0 |
| 33365 1999 $BQ_{6}$ | 14.4 | X | 339.48728 | 257.62161 | 143.76121 | 4.75328 | 0.1559154 | 0.29177373 | 2.2513271 | 21 | 12 8.4 | 16.2 |
| 33366 1999 $BF_{7}$ | 14.3 | X | 71.72300 | 119.60692 | 91.98313 | 6.54332 | 0.0675239 | 0.27883441 | 2.3204478 | 21 | 7 17.4 | 16.9 |
| 33367 1999 $BD_{8}$ | 15.4 | X | 124.99484 | 292.00360 | 316.77022 | 6.29027 | 0.1070985 | 0.28975432 | 2.2617752 | 21 | 11 16.7 | 18.7 |
| 33368 1999 $BD_{9}$ | 14.5 | X | 19.06392 | 325.40526 | 309.54686 | 6.93149 | 0.2040697 | 0.28084353 | 2.3093678 | 21 | 8 11.5 | 16.1 |
| 33369 1999 $BE_{11}$ | 15.1 | X | 225.19880 | 243.95403 | 138.55082 | 6.72243 | 0.1281096 | 0.27765444 | 2.3270174 | 21 | 5 7.9 | 18.6 |
| 33370 1999 $BQ_{11}$ | 14.3 | X | 192.69566 | 4.40927 | 332.90999 | 31.13639 | 0.1406763 | 0.22210570 | 2.7004092 | 21 | 2 15.2 | 18.6 |
| 33371 1999 $BS_{11}$ | 15.5 | X | 37.99936 | 48.00843 | 319.19239 | 3.26821 | 0.1961466 | 0.29748831 | 2.2224028 | 21 | — | — |
| 33372 Jonathanchung | 14.7 | X | 5.39627 | 53.64993 | 140.85274 | 2.80679 | 0.1587100 | 0.27175168 | 2.3605936 | 21 | 2 21.3 | 16.8 |
| 33373 1999 $BL_{28}$ | 15.3 | X | 10.89477 | 197.04827 | 125.84889 | 8.08027 | 0.2254114 | 0.29015494 | 2.2596928 | 21 | 10 24.1 | 17.3 |
| 33374 1999 $CE_{2}$ | 15.4 | X | 354.50419 | 193.41221 | 332.41936 | 2.01529 | 0.1273590 | 0.26500273 | 2.4005043 | 21 | — | — |
| 33375 1999 $CD_{4}$ | 15.9 | X | 90.94748 | 281.60327 | 300.18884 | 2.89474 | 0.1821687 | 0.28295644 | 2.2978570 | 21 | 9 11.9 | 19.2 |
| 33376 Medi | 15.1 | X | 240.31144 | 89.69808 | 98.12033 | 6.27784 | 0.1204551 | 0.29920912 | 2.2138737 | 21 | — | — |
| 33377 Večerníček | 15.6 | X | 89.81246 | 297.11544 | 328.38675 | 7.15725 | 0.1346536 | 0.28671650 | 2.2777231 | 21 | 11 1.2 | 19.0 |
| 33378 1999 $CE_{14}$ | 15.1 | X | 311.58361 | 257.77747 | 210.86058 | 5.08102 | 0.0767387 | 0.29783322 | 2.2206867 | 21 | — | — |
| 33379 Rohandalvi | 15.9 | X | 109.34926 | 330.00396 | 124.58547 | 3.75454 | 0.1225709 | 0.27332699 | 2.3515147 | 21 | 4 4.2 | 18.8 |
| 33380 1999 $CC_{33}$ | 15.1 | X | 223.26405 | 266.44007 | 3.52828 | 3.75131 | 0.1287376 | 0.30528859 | 2.1843841 | 21 | — | — |
| 33381 1999 $CD_{33}$ | 14.3 | X | 187.92601 | 300.53531 | 342.78017 | 7.39009 | 0.2245830 | 0.25775099 | 2.4453207 | 21 | — | — |
| 33382 Indranidas | 15.1 | X | 333.58508 | 94.37385 | 102.12537 | 4.12597 | 0.1374336 | 0.26576371 | 2.3959197 | 21 | 1 7.3 | 17.8 |
| 33383 Edupuganti | 15.0 | X | 306.08897 | 248.97923 | 11.08127 | 6.34918 | 0.0773432 | 0.27080238 | 2.3661071 | 21 | 3 6.7 | 18.0 |
| 33384 Jacyfang | 14.9 | X | 356.06803 | 322.86140 | 341.19343 | 5.50303 | 0.1970049 | 0.28135055 | 2.3065925 | 21 | 8 4.5 | 16.2 |
| 33385 1999 $CY_{46}$ | 14.4 | X | 245.63775 | 278.46151 | 122.39718 | 7.05017 | 0.0962121 | 0.28210512 | 2.3024775 | 21 | 6 26.6 | 17.3 |
| 33386 1999 $CJ_{48}$ | 15.5 | X | 339.04881 | 96.52511 | 112.92963 | 2.88492 | 0.2048577 | 0.26624464 | 2.3930336 | 21 | 1 21.8 | 18.2 |
| 33387 1999 $CA_{49}$ | 15.0 | X | 136.47759 | 229.49338 | 107.88911 | 5.88219 | 0.1742043 | 0.30374535 | 2.1917766 | 21 | — | — |
| 33388 1999 $CH_{50}$ | 14.6 | X | 56.91244 | 271.59899 | 1.45797 | 4.95875 | 0.2395590 | 0.28270843 | 2.2992007 | 21 | 10 19.5 | 17.6 |
| 33389 Isairisgreco | 14.8 | X | 111.59047 | 305.29746 | 348.17241 | 5.31683 | 0.1812778 | 0.29308941 | 2.2445845 | 21 | — | — |
| 33390 Hajlasz | 15.1 | X | 271.11835 | 216.32765 | 16.20752 | 3.18430 | 0.1279209 | 0.26096622 | 2.4251942 | 21 | — | — |
| 33391 1999 $CN_{51}$ | 14.7 | X | 86.09145 | 264.13020 | 120.37510 | 5.95483 | 0.1429912 | 0.30441795 | 2.1885470 | 21 | — | — |
| 33392 Blakehord | 15.1 | X | 113.49055 | 296.73478 | 331.64766 | 4.02997 | 0.1526438 | 0.28998646 | 2.2605680 | 21 | 12 3.2 | 18.5 |
| 33393 Khandelwal | 15.2 | X | 135.23958 | 283.96334 | 344.30420 | 2.25230 | 0.1600896 | 0.29246334 | 2.2477867 | 21 | 12 24.4 | 18.6 |
| 33394 Nathaniellee | 14.7 | X | 314.31450 | 142.46849 | 117.76634 | 3.21369 | 0.1813227 | 0.26882051 | 2.3777222 | 21 | 3 1.5 | 17.6 |
| 33395 Dylanli | 15.5 | X | 346.05237 | 172.23459 | 45.72916 | 2.79825 | 0.1683149 | 0.26805664 | 2.3822372 | 21 | 2 21.1 | 17.9 |
| 33396 Vrindamadan | 14.9 | X | 39.18204 | 193.10976 | 131.75229 | 8.11884 | 0.1569431 | 0.28886726 | 2.2664032 | 21 | 11 28.2 | 17.7 |
| 33397 Prathiknaidu | 15.3 | X | 127.93338 | 263.30633 | 333.88984 | 6.86160 | 0.0625979 | 0.28891922 | 2.2661314 | 21 | 11 2.0 | 18.4 |
| 33398 1999 $CQ_{58}$ | 13.9 | X | 217.09648 | 91.68580 | 357.73526 | 18.56334 | 0.1702196 | 0.24043012 | 2.5613965 | 21 | 7 29.7 | 18.2 |
| 33399 Emilyann | 15.3 | X | 64.12711 | 345.94557 | 29.41041 | 4.47180 | 0.0953902 | 0.30050048 | 2.2075266 | 21 | — | — |
| 33400 Laurapierson | 14.4 | X | 90.11410 | 282.47025 | 67.47535 | 7.44914 | 0.0605675 | 0.21111280 | 2.7933563 | 21 | — | — |
| 33401 Radiya–Dixit | 15.1 | X | 86.78648 | 55.72705 | 258.93385 | 3.76924 | 0.1651142 | 0.29563239 | 2.2316943 | 21 | — | — |
| 33402 Canizares | 14.7 | X | 289.81735 | 186.66886 | 155.95402 | 15.53973 | 0.0805556 | 0.23611274 | 2.5925259 | 21 | 6 10.0 | 18.4 |
| 33403 1999 $CN_{73}$ | 15.9 | X | 166.17811 | 259.01619 | 268.83579 | 4.33244 | 0.1012736 | 0.28636435 | 2.2795900 | 21 | 9 14.3 | 19.1 |
| 33404 1999 $CT_{73}$ | 13.8 | X | 98.05097 | 279.90380 | 182.93111 | 6.00475 | 0.1322303 | 0.18403600 | 3.0610296 | 21 | 4 11.0 | 18.0 |
| 33405 Rekhtman | 15.9 | X | 298.58769 | 254.63669 | 194.25010 | 3.35404 | 0.1550310 | 0.29535291 | 2.2331019 | 21 | 11 25.7 | 17.5 |
| 33406 Saltzman | 14.8 | X | 323.92118 | 40.55077 | 249.22700 | 2.70338 | 0.1549164 | 0.27563685 | 2.3383590 | 21 | 4 29.2 | 17.1 |
| 33407 1999 $CA_{75}$ | 14.5 | X | 358.10072 | 9.24827 | 190.88850 | 13.03222 | 0.0729911 | 0.22551310 | 2.6731389 | 21 | 3 5.3 | 17.9 |
| 33408 Mananshah | 15.0 | X | 205.00510 | 273.78992 | 294.03720 | 6.10809 | 0.0559294 | 0.29578614 | 2.2309209 | 21 | 12 31.8 | 17.8 |
| 33409 1999 $CD_{77}$ | 15.4 | X | 310.20556 | 5.87559 | 234.09366 | 3.46709 | 0.0984246 | 0.31169354 | 2.1543562 | 21 | 1 29.6 | 17.9 |
| 33410 1999 $CX_{85}$ | 14.5 | X | 344.88531 | 10.59328 | 314.46247 | 8.20925 | 0.1784632 | 0.28678150 | 2.2773789 | 21 | 8 11.0 | 16.0 |
| 33411 1999 $CV_{91}$ | 16.5 | X | 105.73596 | 300.83907 | 138.65645 | 2.84944 | 0.1736007 | 0.27153345 | 2.3618582 | 21 | 3 16.6 | 19.3 |
| 33412 Arjunsubra | 14.9 | X | 318.23851 | 333.34234 | 359.02036 | 3.97540 | 0.1958857 | 0.28170672 | 2.3046479 | 21 | 6 17.7 | 16.9 |
| 33413 Alecsun | 15.5 | X | 334.75339 | 232.83423 | 351.24848 | 3.99316 | 0.0952398 | 0.26833416 | 2.3805944 | 21 | 2 22.4 | 18.3 |
| 33414 Jessicatian | 15.1 | X | 284.40787 | 218.64035 | 13.54023 | 6.58917 | 0.1704746 | 0.26187439 | 2.4195840 | 21 | — | — |
| 33415 Felixwang | 15.4 | X | 59.24126 | 196.79723 | 51.61126 | 5.62739 | 0.0671151 | 0.28166919 | 2.3048526 | 21 | 8 24.9 | 18.1 |
| 33416 1999 $CW_{101}$ | 14.9 | X | 84.45976 | 208.04876 | 88.20451 | 5.50758 | 0.2183886 | 0.28902996 | 2.2655525 | 21 | 12 15.7 | 18.3 |
| 33417 1999 $CV_{103}$ | 14.2 | X | 355.35469 | 93.77495 | 134.70116 | 10.73831 | 0.0618969 | 0.27430757 | 2.3459074 | 21 | 4 10.1 | 17.0 |
| 33418 Jacksonweaver | 14.7 | X | 354.73099 | 170.79474 | 251.06501 | 4.72718 | 0.0400230 | 0.29873066 | 2.2162369 | 21 | — | — |
| 33419 Wellman | 14.7 | X | 247.02786 | 316.18838 | 237.34277 | 9.44927 | 0.0576733 | 0.25530744 | 2.4608987 | 21 | — | — |
| 33420 Derekwoo | 14.6 | X | 117.79100 | 267.49500 | 223.55494 | 9.47797 | 0.0274038 | 0.27586335 | 2.3370789 | 21 | 5 20.9 | 17.4 |
| 33421 Byronxu | 14.7 | X | 342.68470 | 67.15407 | 287.40209 | 1.15032 | 0.1399302 | 0.28840889 | 2.2688039 | 21 | 9 26.2 | 16.3 |
| 33422 1999 $CN_{135}$ | 14.9 | X | 19.28357 | 154.00338 | 182.64776 | 1.92824 | 0.0730329 | 0.19977866 | 2.8980330 | 21 | 10 15.9 | 18.5 |
| 33423 1999 $DK$ | 14.7 | X | 256.53683 | 146.01389 | 194.89773 | 4.31559 | 0.1786511 | 0.27528106 | 2.3403735 | 21 | 4 9.5 | 18.1 |
| 33424 1999 $DC_{2}$ | 14.5 | X | 319.95138 | 41.30122 | 160.09710 | 23.49890 | 0.2057089 | 0.26260431 | 2.4150984 | 21 | — | — |
| 33425 1999 $DP_{2}$ | 14.8 | X | 56.74251 | 306.35006 | 90.84530 | 4.97019 | 0.1985007 | 0.30194802 | 2.2004656 | 21 | — | — |
| 33426 1999 $DR_{2}$ | 15.1 | X | 68.76638 | 134.21766 | 110.03875 | 7.68166 | 0.0737003 | 0.28139305 | 2.3063602 | 21 | 9 3.0 | 17.9 |
| 33427 1999 $DZ_{2}$ | 15.0 | X | 221.90473 | 36.55894 | 57.48878 | 6.54888 | 0.1059252 | 0.28287664 | 2.2982891 | 21 | 8 12.9 | 18.2 |
| 33428 1999 $DO_{3}$ | 15.4 | X | 174.17005 | 205.72506 | 352.05409 | 3.84143 | 0.1543743 | 0.28769090 | 2.2725772 | 21 | 10 31.4 | 18.9 |
| 33429 1999 $DL_{4}$ | 13.2 | X | 313.50123 | 184.37065 | 355.45223 | 10.85072 | 0.0442087 | 0.17113502 | 3.2129955 | 21 | — | — |
| 33430 1999 $EH$ | 15.3 | X | 152.29511 | 157.23621 | 318.94763 | 2.71337 | 0.0924438 | 0.27660632 | 2.3328921 | 21 | 6 21.2 | 18.5 |
| 33431 1999 $EK$ | 14.6 | X | 83.76751 | 197.46424 | 252.97062 | 1.41862 | 0.1601895 | 0.26691562 | 2.3890215 | 21 | 2 22.7 | 17.1 |
| 33432 1999 $ET_{3}$ | 13.8 | X | 174.05684 | 61.75416 | 30.97838 | 9.55144 | 0.0781587 | 0.18621909 | 3.0370592 | 21 | 6 14.8 | 18.6 |
| 33433 Maurilia | 14.5 | X | 213.07261 | 287.54511 | 95.64632 | 9.48431 | 0.1759385 | 0.27250777 | 2.3562252 | 21 | 4 26.9 | 18.4 |
| 33434 Scottmanley | 13.9 | X | 233.47879 | 140.44532 | 333.90965 | 1.30332 | 0.0632831 | 0.19601853 | 2.9349765 | 21 | 9 18.9 | 18.1 |
| 33435 1999 $FD_{4}$ | 15.0 | X | 312.13102 | 25.51662 | 267.76507 | 1.27890 | 0.1838744 | 0.22826308 | 2.6516260 | 21 | 4 16.0 | 18.1 |
| 33436 1999 $FZ_{6}$ | 14.1 | X | 256.95290 | 80.71356 | 196.98926 | 8.92561 | 0.1464876 | 0.21607733 | 2.7504045 | 21 | 1 28.7 | 18.5 |
| 33437 1999 $FK_{9}$ | 15.2 | X | 328.89362 | 157.34512 | 44.39487 | 3.47143 | 0.1328700 | 0.26315814 | 2.4117087 | 21 | 1 9.8 | 18.1 |
| 33438 1999 $FE_{10}$ | 15.4 | X | 155.29138 | 124.97743 | 18.25051 | 0.67099 | 0.1478536 | 0.28081443 | 2.3095273 | 21 | 8 3.5 | 19.0 |
| 33439 1999 $FF_{18}$ | 14.1 | X | 330.58075 | 98.93873 | 175.06773 | 13.49658 | 0.2067776 | 0.22367796 | 2.6877400 | 21 | 4 19.0 | 17.1 |
| 33440 1999 $FR_{18}$ | 14.9 | X | 233.93878 | 229.66805 | 14.72631 | 6.49407 | 0.1094660 | 0.25562128 | 2.4588840 | 21 | — | — |

| Planet | | H | G | M | ω | Ω | i | e | μ | a | TE | Oppos. | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | m | | ° | ° | ° | ° | | ° | | | | |
| 33441 | 1999 $FT_{18}$ | 14.9 | X | 308.44396 | 233.34977 | 7.68515 | 6.77752 | 0.0871331 | 0.26494960 | 2.4008252 | 21 | 2 12.5 | 18.0 |
| 33442 | 1999 $FW_{18}$ | 14.7 | X | 137.89937 | 29.55062 | 200.66761 | 2.81663 | 0.1454770 | 0.24261252 | 2.5460128 | 21 | 11 3.5 | 18.6 |
| 33443 | 1999 $FZ_{18}$ | 14.6 | X | 342.29420 | 56.45496 | 211.39078 | 3.23072 | 0.1900515 | 0.22609080 | 2.6685835 | 21 | 5 1.9 | 17.2 |
| 33444 | 1999 $FF_{19}$ | 15.5 | X | 220.53238 | 350.82424 | 229.57180 | 2.92843 | 0.1765201 | 0.29584438 | 2.2306281 | 21 | — | — |
| 33445 | 1999 $FB_{21}$ | 14.3 | X | 139.90208 | 104.04761 | 131.08301 | 3.07015 | 0.0181973 | 0.20214175 | 2.8754028 | 21 | 11 3.7 | 18.3 |
| 33446 | Michaelyang | 15.4 | X | 110.70303 | 89.20765 | 153.01001 | 3.01372 | 0.1565624 | 0.28612679 | 2.2808516 | 21 | 10 29.8 | 18.8 |
| 33447 | 1999 $FM_{24}$ | 14.1 | X | 149.82352 | 249.77613 | 322.66014 | 4.27150 | 0.1210457 | 0.28615842 | 2.2806836 | 21 | 10 26.2 | 17.5 |
| 33448 | Aaronyeiser | 15.2 | X | 55.48693 | 246.90665 | 6.50379 | 5.63860 | 0.0428378 | 0.27948570 | 2.3168415 | 21 | 8 21.4 | 17.9 |
| 33449 | 1999 $FL_{25}$ | 15.0 | X | 128.90340 | 125.12319 | 116.44148 | 4.56088 | 0.2058593 | 0.24149276 | 2.5538770 | 21 | 11 11.9 | 19.4 |
| 33450 | Allender | 14.7 | X | 229.37810 | 41.17470 | 51.18005 | 5.88796 | 0.1498282 | 0.28363780 | 2.2941755 | 21 | 8 14.5 | 17.9 |
| 33451 | Michaelarney | 14.9 | X | 328.25532 | 248.04480 | 319.78639 | 1.94253 | 0.1150537 | 0.26299761 | 2.4126899 | 21 | 1 19.5 | 17.7 |
| 33452 | Olivebryan | 14.3 | X | 3.71725 | 217.18912 | 59.00484 | 4.61919 | 0.1032666 | 0.23069496 | 2.6329583 | 21 | 7 2.0 | 17.2 |
| 33453 | Townley | 15.2 | X | 125.82210 | 160.77783 | 47.26644 | 5.34400 | 0.0999876 | 0.28261217 | 2.2997227 | 21 | 9 28.0 | 18.4 |
| 33454 | Neilclaffey | 15.0 | X | 264.65709 | 316.95117 | 77.46362 | 5.15884 | 0.1718422 | 0.27973258 | 2.3154781 | 21 | 7 1.2 | 18.0 |
| 33455 | Coakley | 15.1 | X | 249.08936 | 272.65787 | 183.35503 | 6.58751 | 0.0677854 | 0.28504978 | 2.2865932 | 21 | 9 23.2 | 17.5 |
| 33456 | Ericacurran | 15.2 | X | 132.92904 | 339.87408 | 259.77638 | 5.21611 | 0.1348728 | 0.28642820 | 2.2792513 | 21 | 11 14.6 | 18.5 |
| 33457 | Cutillo | 15.1 | X | 164.50223 | 108.65764 | 178.90936 | 4.44030 | 0.1631663 | 0.29505133 | 2.2346233 | 21 | — | — |
| 33458 | Fialkow | 15.3 | X | 112.18177 | 62.57489 | 128.08237 | 3.39155 | 0.0850238 | 0.27896093 | 2.3197462 | 21 | 8 15.1 | 18.1 |
| 33459 | 1999 $FM_{30}$ | 15.5 | X | 70.88730 | 324.29224 | 150.90496 | 1.56513 | 0.1364526 | 0.26633771 | 2.3924761 | 21 | 3 5.8 | 17.9 |
| 33460 | 1999 $FL_{31}$ | 14.4 | X | 318.51157 | 197.38457 | 58.09867 | 3.14624 | 0.1769038 | 0.26591250 | 2.3950259 | 21 | 3 2.5 | 17.3 |
| 33461 | 1999 $FP_{31}$ | 15.5 | X | 8.79931 | 6.11102 | 170.73199 | 2.61869 | 0.2038387 | 0.26497996 | 2.4006418 | 21 | 1 27.1 | 17.4 |
| 33462 | Tophergee | 14.9 | X | 212.55874 | 187.82368 | 330.98394 | 2.00850 | 0.0672864 | 0.28763389 | 2.2728774 | 21 | 10 31.5 | 17.9 |
| 33463 | Bettinagregg | 14.7 | X | 192.12786 | 226.13321 | 146.51115 | 6.56814 | 0.1385805 | 0.26724666 | 2.3870482 | 21 | 3 22.7 | 18.3 |
| 33464 | Melahudock | 14.9 | X | 294.46337 | 97.87458 | 348.40615 | 3.70939 | 0.1499231 | 0.29054982 | 2.2576449 | 21 | 11 9.6 | 16.9 |
| 33465 | 1999 $FP_{32}$ | 15.2 | X | 315.12820 | 255.41419 | 352.84987 | 1.32807 | 0.1490319 | 0.26490504 | 2.4010944 | 21 | 2 19.2 | 18.1 |
| 33466 | Thomaslarson | 15.5 | X | 62.47253 | 319.02125 | 181.87225 | 6.52354 | 0.0621766 | 0.27028927 | 2.3691006 | 21 | 3 18.8 | 17.9 |
| 33467 | Johnlieb | 14.9 | X | 102.94706 | 113.39080 | 165.00780 | 3.45823 | 0.1603819 | 0.24166949 | 2.5526317 | 21 | 11 30.5 | 18.9 |
| 33468 | Nelsoneric | 14.5 | X | 320.32135 | 96.05667 | 292.14256 | 7.62918 | 0.1767911 | 0.28977900 | 2.2616468 | 21 | 9 25.2 | 16.3 |
| 33469 | 1999 $FL_{36}$ | 14.7 | X | 73.19272 | 221.21651 | 9.55879 | 10.50502 | 0.0353193 | 0.19198851 | 2.9759061 | 21 | 8 11.1 | 18.9 |
| 33470 | 1999 $FQ_{37}$ | 13.9 | X | 171.69040 | 117.54570 | 168.69489 | 4.46023 | 0.0398111 | 0.21256619 | 2.7806090 | 21 | — | — |
| 33471 | Ozuna | 15.3 | X | 128.17883 | 268.05643 | 323.41462 | 3.77504 | 0.1453421 | 0.28713857 | 2.2754905 | 21 | 10 29.9 | 18.8 |
| 33472 | Yunorperalta | 14.8 | X | 168.22710 | 3.01489 | 334.03463 | 6.43219 | 0.1499607 | 0.26178781 | 2.4201174 | 21 | 1 14.4 | 18.4 |
| 33473 | Porterfield | 15.2 | X | 180.44006 | 165.37282 | 312.01617 | 6.26631 | 0.0569755 | 0.28099225 | 2.3085528 | 21 | 7 26.5 | 18.1 |
| 33474 | 1999 $FB_{51}$ | 14.5 | X | 31.01560 | 250.09411 | 238.66944 | 2.57519 | 0.0377550 | 0.30810401 | 2.1710566 | 21 | 1 1.2 | 16.7 |
| 33475 | 1999 $FK_{53}$ | 14.3 | X | 255.85112 | 13.64988 | 51.93749 | 7.93768 | 0.0488436 | 0.27927180 | 2.3180244 | 21 | 8 27.2 | 17.2 |
| 33476 | Gilanareiss | 14.4 | X | 328.49248 | 357.96924 | 311.25785 | 5.95595 | 0.1176573 | 0.27668748 | 2.3324359 | 21 | 6 13.5 | 16.8 |
| 33477 | 1999 $FR_{59}$ | 15.1 | X | 31.04112 | 83.10034 | 177.63436 | 6.61524 | 0.0862830 | 0.27750285 | 2.3278648 | 21 | 7 26.1 | 17.5 |
| 33478 | Deniselivon | 15.3 | X | 109.58648 | 294.08645 | 298.38239 | 3.73999 | 0.0978620 | 0.28330260 | 2.2959848 | 21 | 10 7.8 | 18.5 |
| 33479 | 1999 $GO$ | 13.5 | X | 284.29841 | 281.38284 | 29.54595 | 0.83489 | 0.1578518 | 0.18173437 | 3.0868202 | 21 | 4 12.3 | 18.0 |
| 33480 | Bartolucci | 15.0 | X | 248.69702 | 173.44517 | 35.42729 | 4.63789 | 0.1381841 | 0.25373531 | 2.4710533 | 21 | — | — |
| 33481 | 1999 $GH_1$ | 15.5 | X | 233.23857 | 131.92193 | 68.03902 | 6.69456 | 0.0900527 | 0.29383666 | 2.2407775 | 21 | — | — |
| 33482 | 1999 $GO_4$ | 15.1 | X | 116.06579 | 50.61922 | 161.47904 | 6.80671 | 0.1205987 | 0.23625956 | 2.5914517 | 21 | 9 18.6 | 18.9 |
| 33483 | 1999 $GW_4$ | 14.8 | X | 309.47170 | 146.41638 | 40.92640 | 8.67593 | 0.1033033 | 0.25755890 | 2.4465363 | 21 | — | — |
| 33484 | 1999 $GS_7$ | 14.9 | X | 34.31966 | 123.00339 | 164.76007 | 2.44527 | 0.1739050 | 0.23452475 | 2.6042155 | 21 | 9 21.9 | 17.9 |
| 33485 | 1999 $GE_8$ | 15.2 | X | 189.61994 | 245.51154 | 220.91368 | 6.07940 | 0.0806922 | 0.27910960 | 2.3189223 | 21 | 7 19.7 | 18.5 |
| 33486 | 1999 $GN_8$ | 14.4 | X | 306.05398 | 20.29815 | 178.60073 | 7.83164 | 0.0700404 | 0.25845686 | 2.4408664 | 21 | — | — |
| 33487 | 1999 $GS_8$ | 15.3 | X | 280.59126 | 24.48648 | 79.01075 | 4.91603 | 0.0892206 | 0.28886759 | 2.2664014 | 21 | 11 19.7 | 17.6 |
| 33488 | 1999 $GD_9$ | 14.4 | X | 211.72672 | 125.64690 | 45.01766 | 12.11087 | 0.0510369 | 0.24326890 | 2.5414310 | 21 | 11 10.9 | 17.9 |
| 33489 | 1999 $GF_9$ | 13.7 | X | 61.23956 | 134.87492 | 201.09743 | 14.42468 | 0.1387176 | 0.24262708 | 2.5459109 | 21 | 12 24.9 | 17.6 |
| 33490 | 1999 $GK_9$ | 14.4 | X | 240.34038 | 337.15978 | 303.01238 | 6.43258 | 0.1543029 | 0.25963392 | 2.4334836 | 21 | 1 12.0 | 18.2 |
| 33491 | 1999 $GM_9$ | 14.6 | X | 329.81790 | 277.66821 | 310.74398 | 5.92871 | 0.0703334 | 0.26590542 | 2.3950684 | 21 | 2 23.2 | 17.6 |
| 33492 | Christirogers | 14.4 | X | 31.35695 | 173.62277 | 62.70183 | 6.88465 | 0.0807168 | 0.27437377 | 2.3455300 | 21 | 6 19.0 | 16.8 |
| 33493 | 1999 $GX_{17}$ | 13.3 | X | 153.05963 | 337.12357 | 100.67585 | 9.42248 | 0.0694076 | 0.22751130 | 2.6574641 | 21 | 5 5.3 | 17.3 |
| 33494 | 1999 $GZ_{17}$ | 14.7 | X | 155.51181 | 32.00971 | 164.61582 | 14.80117 | 0.1276468 | 0.24101991 | 2.5572161 | 21 | 10 11.8 | 18.8 |
| 33495 | Schaferjames | 15.0 | X | 174.29174 | 239.46434 | 51.11507 | 4.50317 | 0.1254708 | 0.29748915 | 2.2223986 | 21 | — | — |
| 33496 | 1999 $GQ_{18}$ | 15.0 | X | 16.59199 | 172.20686 | 68.99607 | 10.73084 | 0.2543393 | 0.27155592 | 2.3617279 | 21 | 6 7.6 | 15.9 |
| 33497 | 1999 $GD_{19}$ | 13.7 | X | 281.52085 | 162.17168 | 152.21028 | 14.45953 | 0.1522510 | 0.22403693 | 2.6848683 | 21 | 4 14.3 | 17.7 |
| 33498 | Juliesmith | 14.1 | X | 316.07308 | 99.16605 | 127.20431 | 8.43546 | 0.0606320 | 0.26342858 | 2.4100578 | 21 | 2 5.2 | 16.9 |
| 33499 | Stanton | 15.5 | X | 257.52591 | 127.01330 | 34.65413 | 3.56442 | 0.1057485 | 0.29362331 | 2.2418628 | 21 | — | — |
| 33500 | 1999 $GV_{19}$ | 14.4 | X | 136.99026 | 70.71322 | 168.10171 | 13.09974 | 0.1128047 | 0.24220092 | 2.5488964 | 21 | 11 15.1 | 18.5 |
| 33501 | Juliethompson | 14.6 | X | 237.73220 | 106.37394 | 139.93093 | 4.34340 | 0.1789119 | 0.25441216 | 2.4666686 | 21 | — | — |
| 33502 | Janetwaldeck | 15.0 | X | 281.68131 | 152.49114 | 99.16507 | 3.24512 | 0.1525228 | 0.26057268 | 2.4276354 | 21 | 1 16.2 | 18.4 |
| 33503 | Dasilvaborges | 14.3 | X | 347.88466 | 148.80768 | 82.75613 | 2.89613 | 0.0917127 | 0.26707398 | 2.3880770 | 21 | 3 27.7 | 16.8 |
| 33504 | Rebrouwer | 15.4 | X | 11.52379 | 107.49662 | 122.24571 | 3.02908 | 0.1695003 | 0.26953077 | 2.3735433 | 21 | 5 3.7 | 17.2 |
| 33505 | 1999 $GZ_{21}$ | 15.4 | X | 173.90202 | 90.27691 | 42.31508 | 10.65713 | 0.0593182 | 0.27949166 | 2.3168086 | 21 | 8 13.5 | 18.7 |
| 33506 | 1999 $GM_{23}$ | 15.3 | X | 340.40765 | 213.36847 | 2.91759 | 7.91238 | 0.2104918 | 0.26557839 | 2.3970342 | 21 | 2 4.4 | 18.1 |
| 33507 | 1999 $GT_{23}$ | 14.4 | X | 60.68555 | 91.46881 | 176.82538 | 14.02749 | 0.1426825 | 0.23713561 | 2.5850654 | 21 | 9 29.9 | 17.7 |
| 33508 | Drewnik | 14.7 | X | 58.95850 | 222.87348 | 74.57278 | 3.42552 | 0.1423226 | 0.24024350 | 2.5627227 | 21 | 11 5.3 | 18.0 |
| 33509 | Mogilny | 15.9 | X | 233.55742 | 342.23995 | 187.30089 | 7.22532 | 0.0489929 | 0.29157603 | 2.2523446 | 21 | 12 18.1 | 18.7 |
| 33510 | 1999 $GM_{31}$ | 16.0 | X | 197.67829 | 343.30782 | 163.20417 | 2.61217 | 0.1133816 | 0.28444681 | 2.2898235 | 21 | 9 22.7 | 19.3 |
| 33511 | Austinwang | 14.8 | X | 50.27664 | 60.40918 | 79.74053 | 7.22187 | 0.0674898 | 0.26647772 | 2.3916380 | 21 | 3 3.6 | 17.5 |
| 33512 | 1999 $GM_{33}$ | 14.1 | X | 295.28504 | 1.28988 | 33.25492 | 7.85875 | 0.1199324 | 0.28109043 | 2.3080153 | 21 | 8 30.8 | 16.6 |
| 33513 | 1999 $GE_{34}$ | 13.6 | X | 130.51043 | 86.39030 | 252.85645 | 4.24408 | 0.1942310 | 0.25526744 | 2.4611558 | 21 | — | — |
| 33514 | Changpeihsuan | 15.0 | X | 3.22934 | 287.44436 | 2.33179 | 6.96483 | 0.1221561 | 0.27710017 | 2.3301195 | 21 | 7 26.1 | 17.1 |
| 33515 | Linbohan | 14.4 | X | 106.54386 | 294.91027 | 348.79915 | 1.99813 | 0.1324646 | 0.24450594 | 2.5328518 | 21 | 12 8.1 | 18.3 |
| 33516 | Timonen | 15.1 | X | 151.21211 | 319.36384 | 215.88030 | 5.07064 | 0.1088125 | 0.28262723 | 2.2996410 | 21 | 9 8.1 | 18.5 |
| 33517 | Paulfoltin | 14.7 | X | 201.26078 | 292.53140 | 346.67645 | 6.86192 | 0.1979358 | 0.20982212 | 2.8047998 | 21 | — | — |
| 33518 | Stoetzer | 15.1 | X | 353.92976 | 113.82848 | 326.00623 | 2.66767 | 0.0427607 | 0.29599398 | 2.2298764 | 21 | — | — |
| 33519 | 1999 $GL_{36}$ | 13.6 | X | 318.28854 | 228.26399 | 284.76487 | 7.99868 | 0.0942032 | 0.21290493 | 2.7776588 | 21 | — | — |
| 33520 | Ichige | 14.9 | X | 348.81997 | 126.04791 | 57.06794 | 9.04663 | 0.0642213 | 0.26399314 | 2.4066206 | 21 | 1 25.1 | 17.9 |

| Planet | | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
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| | | m | | ° | ° | ° | ° | | ° | | | | |
| 33521 | 1999 $GK_{40}$ | 13.9 | $X$ | 304.39665 | 222.77951 | 141.00123 | 13.75280 | 0.2007513 | 0.23536969 | 2.5979793 | 21 | 7 10.1 | 17.0 |
| 33522 | Chizumimaeta | 14.9 | $X$ | 114.06860 | 181.96265 | 75.45334 | 7.49890 | 0.0794155 | 0.28701827 | 2.2761263 | 21 | 11 17.4 | 18.0 |
| 33523 | Warashina | 15.1 | $X$ | 102.77755 | 128.86031 | 123.04002 | 4.43329 | 0.1657518 | 0.28384578 | 2.2930548 | 21 | 11 4.4 | 18.5 |
| 33524 | 1999 $GM_{48}$ | 14.5 | $X$ | 181.85991 | 292.26499 | 35.38468 | 2.62138 | 0.0762761 | 0.21508082 | 2.7588934 | 21 | 1 18.8 | 18.5 |
| 33525 | 1999 $GG_{53}$ | 14.7 | $X$ | 237.46757 | 196.07226 | 312.27432 | 5.22468 | 0.0885119 | 0.28934103 | 2.2639285 | 21 | 11 15.4 | 17.4 |
| 33526 | 1999 $GG_{55}$ | 15.2 | $X$ | 347.55625 | 273.02696 | 296.72109 | 0.98874 | 0.0807380 | 0.26602099 | 2.3943747 | 21 | 2 23.5 | 18.0 |
| 33527 | 1999 $GJ_{55}$ | 15.1 | $X$ | 266.20746 | 40.41369 | 4.08835 | 7.11982 | 0.1780234 | 0.28283248 | 2.2985284 | 21 | 7 18.7 | 18.1 |
| 33528 | Jinzeman | 15.6 | $X$ | 62.29295 | 211.42425 | 6.44324 | 3.65320 | 0.1362156 | 0.27614756 | 2.3354751 | 21 | 7 24.6 | 18.2 |
| 33529 | Henden | 14.6 | $X$ | 295.71306 | 48.47265 | 186.56998 | 4.96581 | 0.1637862 | 0.26229797 | 2.4169784 | 21 | 1 7.7 | 18.1 |
| 33530 | 1999 $HH_{1}$ | 15.5 | $X$ | 125.72515 | 286.09621 | 267.93150 | 3.21797 | 0.2156491 | 0.27955803 | 2.3164418 | 21 | 9 12.0 | 19.3 |
| 33531 | 1999 $HG_{2}$ | 14.9 | $X$ | 173.83338 | 39.62505 | 220.88075 | 3.19724 | 0.1460031 | 0.29163613 | 2.2520352 | 21 | — | — |
| 33532 | Gabriellacoli | 14.8 | $X$ | 51.95603 | 215.75894 | 54.17424 | 6.41321 | 0.1126152 | 0.27879057 | 2.3206911 | 21 | 9 22.4 | 17.5 |
| 33533 | 1999 $HV_{3}$ | 15.5 | $X$ | 187.52311 | 122.11231 | 38.15144 | 6.91218 | 0.1435806 | 0.28519654 | 2.2858087 | 21 | 9 30.1 | 18.9 |
| 33534 | Meiyamamura | 15.3 | $X$ | 352.26083 | 328.20053 | 219.48406 | 1.54929 | 0.1378554 | 0.26344723 | 2.4099440 | 21 | 1 23.2 | 18.0 |
| 33535 | Alshaikh | 15.0 | $X$ | 24.99970 | 147.45829 | 320.15403 | 1.27777 | 0.1267756 | 0.25886385 | 2.4383074 | 21 | — | — |
| 33536 | Charpugdee | 15.2 | $X$ | 72.60457 | 105.34799 | 5.85099 | 3.46826 | 0.0842283 | 0.26452401 | 2.4033996 | 21 | 2 25.5 | 17.7 |
| 33537 | Doungnga | 14.4 | $X$ | 44.12263 | 208.98782 | 287.39288 | 0.81206 | 0.0622465 | 0.21936624 | 2.7228446 | 21 | 2 21.7 | 17.8 |
| 33538 | Jaredbergen | 14.8 | $X$ | 229.17400 | 19.63165 | 34.80099 | 4.94526 | 0.0554691 | 0.27590688 | 2.3368331 | 21 | 6 29.7 | 17.8 |
| 33539 | Elenaberman | 15.5 | $X$ | 201.57198 | 222.62766 | 216.67740 | 6.64474 | 0.0782577 | 0.27612527 | 2.3356008 | 21 | 6 27.3 | 18.8 |
| 33540 | 1999 $JH_{3}$ | 14.0 | $X$ | 235.95865 | 159.49349 | 95.95566 | 6.11058 | 0.1368080 | 0.25431098 | 2.4673228 | 21 | — | — |
| 33541 | 1999 $JF_{6}$ | 14.7 | $X$ | 112.18914 | 190.08325 | 95.63834 | 7.67027 | 0.1637350 | 0.24152730 | 2.5536335 | 21 | 12 17.4 | 18.8 |
| 33542 | 1999 $JZ_{7}$ | 14.3 | $X$ | 97.01780 | 219.67101 | 60.77447 | 19.48842 | 0.2438670 | 0.23966218 | 2.5668651 | 21 | 12 1.3 | 18.7 |
| 33543 | 1999 $JR_{8}$ | 14.7 | $X$ | 262.53136 | 134.37600 | 46.37050 | 4.12712 | 0.1132054 | 0.20420569 | 2.8559953 | 21 | — | — |
| 33544 | Jerold | 14.0 | $X$ | 107.98449 | 256.86307 | 50.11501 | 13.41135 | 0.1694991 | 0.24334487 | 2.5409020 | 21 | — | — |
| 33545 | 1999 $JV_{9}$ | 14.9 | $X$ | 121.55271 | 208.31898 | 199.53176 | 15.46924 | 0.0234054 | 0.21553655 | 2.7550031 | 21 | 2 5.4 | 18.9 |
| 33546 | 1999 $JM_{10}$ | 13.7 | $X$ | 344.37991 | 262.98875 | 101.70141 | 14.74637 | 0.2200957 | 0.19160452 | 2.9798807 | 21 | 10 8.6 | 16.9 |
| 33547 | 1999 $JZ_{12}$ | 14.6 | $X$ | 168.84312 | 124.05994 | 121.23144 | 4.83302 | 0.0218971 | 0.24628203 | 2.5206598 | 21 | 12 28.0 | 18.0 |
| 33548 | 1999 $JC_{13}$ | 14.1 | $X$ | 70.24957 | 96.32999 | 195.35595 | 13.24025 | 0.1090991 | 0.23635232 | 2.5907736 | 21 | 11 7.3 | 17.7 |
| 33549 | 1999 $JS_{13}$ | 14.1 | $X$ | 336.26601 | 80.58978 | 242.50892 | 15.73782 | 0.0304554 | 0.22979152 | 2.6398549 | 21 | 7 20.8 | 17.8 |
| 33550 | Blackburn | 14.1 | $X$ | 310.65529 | 278.88299 | 81.29494 | 4.99453 | 0.0777626 | 0.23250158 | 2.6193012 | 21 | 8 5.2 | 17.2 |
| 33551 | 1999 $JB_{15}$ | 14.9 | $X$ | 161.26225 | 174.53152 | 75.26162 | 15.27406 | 0.1553275 | 0.24391156 | 2.5369649 | 21 | 12 17.4 | 18.9 |
| 33552 | 1999 $JN_{15}$ | 14.0 | $X$ | 259.55000 | 145.73137 | 92.14507 | 16.65818 | 0.1882963 | 0.21064826 | 2.7974616 | 21 | — | — |
| 33553 | Nagai | 14.5 | $X$ | 136.83568 | 121.59934 | 125.76674 | 6.84663 | 0.0806687 | 0.24022942 | 2.5628228 | 21 | 11 23.4 | 18.3 |
| 33554 | 1999 $JU_{17}$ | 13.7 | $X$ | 319.83104 | 61.03971 | 251.52073 | 4.49442 | 0.2528382 | 0.18294863 | 3.0731466 | 21 | 5 17.9 | 17.2 |
| 33555 | Nataliebush | 15.5 | $X$ | 196.66665 | 277.72785 | 270.69265 | 5.20899 | 0.1122388 | 0.28814883 | 2.2701688 | 21 | 11 15.6 | 18.6 |
| 33556 | Brennanclark | 14.7 | $X$ | 287.00550 | 56.90240 | 38.27450 | 3.72717 | 0.0568446 | 0.28789974 | 2.2714780 | 21 | 11 20.3 | 17.2 |
| 33557 | 1999 $JC_{22}$ | 13.8 | $X$ | 247.00941 | 128.45879 | 234.44112 | 12.37575 | 0.2103372 | 0.22438839 | 2.6820640 | 21 | 4 28.2 | 18.1 |
| 33558 | 1999 $JN_{22}$ | 15.2 | $X$ | 345.51962 | 135.41840 | 21.25127 | 5.66448 | 0.0704043 | 0.30232186 | 2.1986513 | 21 | — | — |
| 33559 | Laurencooper | 14.7 | $X$ | 309.43777 | 13.67742 | 57.23568 | 6.02318 | 0.1286087 | 0.28780459 | 2.2719786 | 21 | 11 18.8 | 16.6 |
| 33560 | D'Alessandro | 14.5 | $X$ | 25.99652 | 229.06918 | 50.56145 | 7.12609 | 0.1069687 | 0.27611783 | 2.3356427 | 21 | 8 24.2 | 17.0 |
| 33561 | Brianjasondu | 15.4 | $X$ | 23.66019 | 173.92882 | 36.04746 | 3.69675 | 0.1730259 | 0.26871819 | 2.3783257 | 21 | 4 28.1 | 17.0 |
| 33562 | Amydunphy | 14.6 | $X$ | 335.41641 | 291.35590 | 24.07248 | 5.90335 | 0.1248031 | 0.27357562 | 2.3500898 | 21 | 7 7.7 | 16.8 |
| 33563 | 1999 $JV_{24}$ | 14.2 | $X$ | 214.50781 | 111.60748 | 26.85275 | 15.33427 | 0.0456143 | 0.23900276 | 2.5715843 | 21 | 10 6.7 | 17.7 |
| 33564 | Miriamshira | 14.5 | $X$ | 212.08156 | 241.00566 | 32.05213 | 5.29959 | 0.0903859 | 0.25378351 | 2.4707404 | 21 | — | — |
| 33565 | Samferguson | 14.5 | $X$ | 120.81429 | 240.05989 | 43.03702 | 2.52839 | 0.1194009 | 0.24351708 | 2.5397040 | 21 | 12 20.6 | 18.5 |
| 33566 | 1999 $JZ_{25}$ | 14.5 | $X$ | 44.61441 | 218.10412 | 222.07420 | 11.38984 | 0.1458053 | 0.25622022 | 2.4550506 | 21 | — | — |
| 33567 | Sulekhfrederic | 14.8 | $X$ | 315.83198 | 205.93380 | 83.18663 | 2.56958 | 0.1717075 | 0.17898198 | 3.1183858 | 21 | 4 24.9 | 18.9 |
| 33568 | Godishala | 14.6 | $X$ | 299.41485 | 324.11353 | 260.28331 | 4.19269 | 0.0289994 | 0.21535320 | 2.7565666 | 21 | 1 25.1 | 18.5 |
| 33569 | Nikhilgopal | 15.1 | $X$ | 98.49479 | 269.15603 | 304.77791 | 3.85063 | 0.1095881 | 0.27781198 | 2.3261376 | 21 | 8 31.8 | 18.3 |
| 33570 | Jagruenstein | 14.1 | $X$ | 225.35799 | 323.73063 | 2.80400 | 4.97884 | 0.1656794 | 0.21580713 | 2.7526998 | 21 | 3 1.4 | 18.5 |
| 33571 | Jaygupta | 15.4 | $X$ | 67.46329 | 193.86532 | 92.80560 | 3.55786 | 0.1258381 | 0.23694735 | 2.5864345 | 21 | 10 30.6 | 18.9 |
| 33572 | Mandolin | 14.8 | $X$ | 323.12737 | 335.70331 | 87.88819 | 5.00378 | 0.0561471 | 0.24293414 | 2.5437651 | 21 | 11 23.8 | 17.7 |
| 33573 | Hugrace | 14.9 | $X$ | 60.62567 | 107.94420 | 66.79183 | 7.67823 | 0.1403622 | 0.26948493 | 2.3738124 | 21 | 5 16.8 | 17.1 |
| 33574 | Shailaja | 15.2 | $X$ | 251.02176 | 176.34023 | 104.78909 | 1.56267 | 0.1073814 | 0.25913079 | 2.4366325 | 21 | 1 25.3 | 18.9 |
| 33575 | Joshuajacob | 14.4 | $X$ | 298.22521 | 347.64602 | 265.55958 | 2.53895 | 0.0364229 | 0.21789946 | 2.7350501 | 21 | 2 27.1 | 18.0 |
| 33576 | 1999 $JW_{33}$ | 14.0 | $X$ | 338.42551 | 233.07659 | 33.17804 | 13.14756 | 0.1165048 | 0.22372622 | 2.6873535 | 21 | 4 30.8 | 17.1 |
| 33577 | 1999 $JX_{33}$ | 14.0 | $X$ | 81.14658 | 301.87553 | 23.53777 | 10.30374 | 0.1787819 | 0.24225612 | 2.5485092 | 21 | — | — |
| 33578 | 1999 $JT_{34}$ | 14.2 | $X$ | 205.50417 | 68.43297 | 247.98916 | 6.09690 | 0.1459985 | 0.21214512 | 2.7842871 | 21 | 1 28.9 | 18.7 |
| 33579 | 1999 $JC_{35}$ | 13.0 | $X$ | 66.56962 | 244.77597 | 229.52964 | 10.64351 | 0.1378432 | 0.17416102 | 3.1756703 | 21 | 3 10.8 | 17.2 |
| 33580 | Priyankajain | 14.7 | $X$ | 26.05019 | 51.30715 | 77.31978 | 3.55319 | 0.1335064 | 0.25988028 | 2.4319455 | 21 | — | — |
| 33581 | Rajeevjha | 15.0 | $X$ | 227.27012 | 10.98801 | 81.33573 | 4.90880 | 0.1503871 | 0.27978170 | 2.3152071 | 21 | 8 10.7 | 18.3 |
| 33582 | Tiashajoardar | 15.2 | $X$ | 81.55418 | 170.89568 | 65.45327 | 7.71910 | 0.0535516 | 0.27783497 | 2.3260093 | 21 | 9 7.9 | 18.2 |
| 33583 | Karamchedu | 14.5 | $X$ | 284.39567 | 326.40426 | 48.08638 | 6.47883 | 0.1818106 | 0.22976514 | 2.6400569 | 21 | 6 28.2 | 18.0 |
| 33584 | Austinkatzer | 15.3 | $X$ | 25.79091 | 230.67668 | 270.69342 | 5.58332 | 0.0843314 | 0.26043666 | 2.4284806 | 21 | 1 20.2 | 17.9 |
| 33585 | 1999 $JC_{38}$ | 13.7 | $X$ | 68.53510 | 233.01247 | 283.14235 | 5.71294 | 0.2032500 | 0.17987399 | 3.1080677 | 21 | 5 18.9 | 17.7 |
| 33586 | Keeley | 14.7 | $X$ | 135.84544 | 211.23285 | 31.57649 | 6.65335 | 0.1014589 | 0.24064265 | 2.5598881 | 21 | 11 14.4 | 18.5 |
| 33587 | Arianakim | 15.0 | $X$ | 300.23686 | 164.64052 | 82.49015 | 4.20392 | 0.1409992 | 0.26121602 | 2.4236478 | 21 | 2 1.9 | 18.3 |
| 33588 | 1999 $JZ_{45}$ | 14.0 | $X$ | 152.46951 | 294.43318 | 83.59918 | 9.31900 | 0.2339709 | 0.21304269 | 2.7764613 | 21 | 3 7.3 | 18.7 |
| 33589 | Edwardkim | 14.5 | $X$ | 358.53979 | 164.24501 | 122.77292 | 3.16920 | 0.2041298 | 0.18332689 | 3.0689179 | 21 | 7 7.6 | 17.4 |
| 33590 | Sreelakshmi | 14.9 | $X$ | 22.36043 | 241.45335 | 65.00281 | 7.62551 | 0.1178928 | 0.27733682 | 2.3287938 | 21 | 9 30.2 | 17.4 |
| 33591 | Landsberger | 14.8 | $X$ | 208.61921 | 25.03714 | 62.07850 | 7.69325 | 0.1300055 | 0.27602882 | 2.3361448 | 21 | 7 14.9 | 18.4 |
| 33592 | Kathrynanna | 14.7 | $X$ | 271.54169 | 27.59205 | 231.80490 | 4.30786 | 0.1211633 | 0.25868044 | 2.4394598 | 21 | 1 17.4 | 18.2 |
| 33593 | 1999 $JT_{47}$ | 13.8 | $X$ | 40.08307 | 334.75801 | 39.56967 | 10.08596 | 0.0666672 | 0.19988132 | 2.8970406 | 21 | 12 29.3 | 17.9 |
| 33594 | Ralphlawton | 15.3 | $X$ | 208.70774 | 229.90686 | 35.31542 | 7.78003 | 0.1862075 | 0.25095469 | 2.4892729 | 21 | — | — |
| 33595 | Jiwoolee | 15.1 | $X$ | 343.07792 | 221.86423 | 269.23017 | 0.84039 | 0.1032634 | 0.25368416 | 2.4713854 | 21 | — | — |
| 33596 | Taesoolee | 14.4 | $X$ | 303.79318 | 121.34009 | 158.64142 | 1.81709 | 0.0216116 | 0.22128644 | 2.7070702 | 21 | 4 13.7 | 18.0 |
| 33597 | 1999 $JQ_{49}$ | 15.7 | $X$ | 12.00634 | 59.59674 | 156.85329 | 1.38219 | 0.1315111 | 0.26698234 | 2.3886235 | 21 | 4 13.8 | 17.9 |
| 33598 | Christineliu | 14.4 | $X$ | 70.03184 | 85.30070 | 189.91014 | 5.64153 | 0.1488088 | 0.23510183 | 2.5999522 | 21 | 10 21.2 | 18.0 |
| 33599 | Mckennaloop | 14.6 | $X$ | 173.92932 | 160.71424 | 96.31149 | 5.89382 | 0.1193772 | 0.29091176 | 2.2557720 | 21 | — | — |
| 33600 | Davidlu | 14.8 | $X$ | 335.26309 | 56.98809 | 82.44688 | 7.04358 | 0.1012668 | 0.25371728 | 2.4711703 | 21 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 33601 1999 $JO_{51}$ | 13.3 | X | 249.79424 | 221.66676 | 220.57506 | 9.54952 | 0.1122455 | 0.19013762 | 2.9951875 | 21 | 8 18.3 | 17.8 |
| 33602 Varunmandi | 14.7 | X | 210.28255 | 185.92446 | 69.23223 | 8.23822 | 0.0762586 | 0.25058211 | 2.4917397 | 21 | — | — |
| 33603 Saramason | 14.6 | X | 38.17356 | 175.77699 | 132.69295 | 5.98067 | 0.0220177 | 0.23557891 | 2.5964409 | 21 | 10 6.2 | 18.0 |
| 33604 McChesney | 14.8 | X | 47.91016 | 115.15905 | 146.59366 | 2.18145 | 0.0562769 | 0.18713027 | 3.0271924 | 21 | 8 15.9 | 18.7 |
| 33605 McCue | 15.5 | X | 123.71333 | 69.30738 | 76.64375 | 6.24371 | 0.0785971 | 0.27263989 | 2.3554639 | 21 | 6 26.2 | 18.4 |
| 33606 Brandonmuncan | 14.4 | X | 210.91406 | 240.46192 | 82.28620 | 8.48786 | 0.1372688 | 0.21316594 | 2.7753910 | 21 | 2 14.7 | 19.0 |
| 33607 Archanamurali | 14.5 | X | 94.74583 | 201.68376 | 29.85895 | 8.47619 | 0.1163168 | 0.23364399 | 2.6107561 | 21 | 9 21.6 | 18.3 |
| 33608 Paladugu | 14.3 | X | 55.93197 | 266.39486 | 190.95227 | 5.01989 | 0.0948242 | 0.25728149 | 2.4482947 | 21 | 1 9.9 | 16.9 |
| 33609 Harishpalani | 14.5 | X | 69.56028 | 99.43587 | 166.67825 | 6.53273 | 0.0700497 | 0.18949408 | 3.0019650 | 21 | 9 22.3 | 18.7 |
| 33610 Payra | 15.3 | X | 146.52743 | 95.70006 | 62.99051 | 8.08192 | 0.1805996 | 0.27727016 | 2.3291670 | 21 | 8 19.9 | 19.1 |
| 33611 1999 $JB_{61}$ | 14.5 | X | 150.06473 | 78.30529 | 82.96553 | 15.13563 | 0.0683423 | 0.23194341 | 2.6235017 | 21 | 8 22.2 | 18.6 |
| 33612 1999 $JZ_{62}$ | 14.7 | X | 140.32432 | 221.33269 | 76.15467 | 12.50362 | 0.1077153 | 0.24548843 | 2.5260893 | 21 | — | — |
| 33613 Pendharkar | 15.2 | X | 118.00363 | 289.85270 | 228.96152 | 7.71322 | 0.1766649 | 0.27334350 | 2.3514200 | 21 | 7 16.5 | 18.7 |
| 33614 Meganploch | 14.4 | X | 346.60370 | 109.64123 | 110.73145 | 5.92255 | 0.0530636 | 0.21823529 | 2.7322435 | 21 | 3 23.7 | 17.9 |
| 33615 1999 $JB_{64}$ | 14.6 | X | 31.32438 | 181.09715 | 71.96866 | 10.64837 | 0.1840049 | 0.27189510 | 2.3597634 | 21 | 8 2.5 | 16.9 |
| 33616 1999 $JR_{64}$ | 13.9 | X | 101.03054 | 15.35481 | 83.63387 | 14.97096 | 0.0429484 | 0.26209062 | 2.4182530 | 21 | 3 25.8 | 17.3 |
| 33617 Kailashraman | 14.7 | X | 268.55871 | 17.77733 | 64.17374 | 4.65572 | 0.1050446 | 0.28487530 | 2.2875268 | 21 | 9 28.2 | 17.2 |
| 33618 1999 $JA_{66}$ | 15.5 | X | 113.51941 | 88.64922 | 74.91604 | 2.93747 | 0.1514747 | 0.27587928 | 2.3369890 | 21 | 7 17.6 | 18.6 |
| 33619 Dominickrowan | 14.6 | X | 19.32093 | 129.67785 | 165.05391 | 4.65836 | 0.0939678 | 0.23345131 | 2.6121925 | 21 | 8 25.1 | 17.4 |
| 33620 1999 $JC_{66}$ | 14.0 | X | 86.17803 | 18.45974 | 190.64555 | 10.41954 | 0.0388168 | 0.18800724 | 3.0177713 | 21 | 7 24.5 | 18.5 |
| 33621 Sathish | 14.9 | X | 253.29392 | 46.66630 | 71.68690 | 5.21868 | 0.0410737 | 0.28639661 | 2.2794188 | 21 | 11 6.1 | 17.5 |
| 33622 Sedigh | 14.6 | X | 1.19539 | 299.42381 | 57.30945 | 8.81615 | 0.0939780 | 0.23881104 | 2.5729605 | 21 | 10 25.7 | 17.5 |
| 33623 Kyraseevers | 15.5 | X | 121.60562 | 2.61148 | 132.28004 | 2.98489 | 0.1462723 | 0.27327688 | 2.3518022 | 21 | 6 16.5 | 18.6 |
| 33624 Omersiddiqui | 14.7 | X | 205.82381 | 257.56669 | 185.83155 | 5.55149 | 0.1532434 | 0.27734486 | 2.3287487 | 21 | 7 4.1 | 18.4 |
| 33625 Slepyan | 15.4 | X | 83.47569 | 46.13267 | 129.25545 | 3.96902 | 0.0578881 | 0.27197131 | 2.3593226 | 21 | 6 9.8 | 18.2 |
| 33626 Jasonsmith | 15.0 | X | 203.45655 | 82.00775 | 98.94492 | 7.30286 | 0.1404239 | 0.24386628 | 2.5372790 | 21 | 11 7.9 | 18.8 |
| 33627 1999 $JS_{71}$ | 13.4 | X | 218.20771 | 275.30500 | 69.24083 | 11.84092 | 0.2556020 | 0.17348281 | 3.1839415 | 21 | 3 22.9 | 19.1 |
| 33628 Spettel | 14.1 | X | 176.20005 | 225.07440 | 194.34440 | 9.75366 | 0.1328468 | 0.26805214 | 2.3822638 | 21 | 5 5.6 | 17.8 |
| 33629 1999 $JK_{76}$ | 13.9 | X | 82.38849 | 158.44585 | 67.19294 | 16.04834 | 0.2572957 | 0.18703526 | 3.0282175 | 21 | 9 20.1 | 18.8 |
| 33630 Swathiravi | 14.2 | X | 248.88601 | 274.14623 | 190.82290 | 6.13092 | 0.0606627 | 0.28173483 | 2.3044946 | 21 | 10 6.8 | 16.8 |
| 33631 1999 $JG_{77}$ | 14.4 | X | 205.08471 | 233.75714 | 95.91848 | 10.32388 | 0.1644152 | 0.21451765 | 2.7637200 | 21 | 2 17.8 | 19.0 |
| 33632 1999 $JP_{78}$ | 14.2 | X | 349.19601 | 163.24133 | 107.99459 | 14.41239 | 0.1250698 | 0.27112083 | 2.3642539 | 21 | 5 28.2 | 16.6 |
| 33633 Strickland | 14.5 | X | 281.39516 | 8.14529 | 226.23569 | 7.37789 | 0.1623074 | 0.21302671 | 2.7766001 | 21 | 1 1.4 | 18.9 |
| 33634 Strickler | 14.1 | X | 209.01687 | 18.23354 | 99.54770 | 6.97920 | 0.1372701 | 0.27825739 | 2.3236546 | 21 | 8 27.3 | 17.5 |
| 33635 1999 $JC_{80}$ | 14.3 | X | 64.81744 | 186.66451 | 80.72121 | 10.59524 | 0.0399393 | 0.23568103 | 2.5956908 | 21 | 9 23.6 | 17.9 |
| 33636 1999 $JD_{80}$ | 13.8 | X | 128.10514 | 109.12600 | 180.97195 | 12.68740 | 0.1638597 | 0.24408431 | 2.5357677 | 21 | — | — |
| 33637 1999 $JW_{80}$ | 14.2 | X | 55.16100 | 87.11552 | 97.23320 | 14.01899 | 0.1124166 | 0.22384648 | 2.6863908 | 21 | 5 24.0 | 17.6 |
| 33638 1999 $JZ_{80}$ | 13.7 | X | 127.02683 | 168.03295 | 116.78492 | 16.05662 | 0.0974026 | 0.24292791 | 2.5438087 | 21 | 12 28.8 | 17.6 |
| 33639 1999 $JB_{81}$ | 13.0 | X | 147.47777 | 150.11629 | 135.68347 | 14.20620 | 0.0309363 | 0.20089119 | 2.8873236 | 21 | — | — |
| 33640 1999 $JT_{81}$ | 14.2 | X | 339.95887 | 186.33204 | 94.17332 | 13.24052 | 0.1706617 | 0.22637515 | 2.6663483 | 21 | 5 22.2 | 17.1 |
| 33641 1999 $JZ_{81}$ | 13.6 | X | 325.80049 | 169.73538 | 100.78249 | 13.91997 | 0.1300056 | 0.22350143 | 2.6891551 | 21 | 4 22.9 | 17.1 |
| 33642 1999 $JB_{82}$ | 14.2 | X | 61.31742 | 201.66087 | 100.79041 | 12.35410 | 0.0751795 | 0.28395791 | 2.2924510 | 21 | 11 15.7 | 17.2 |
| 33643 1999 $JJ_{82}$ | 13.8 | X | 31.73836 | 271.33779 | 88.56290 | 14.44852 | 0.1986114 | 0.24219902 | 2.5489098 | 21 | 12 29.1 | 17.0 |
| 33644 1999 $JT_{82}$ | 14.3 | X | 103.14471 | 93.57687 | 112.99365 | 15.48678 | 0.0562186 | 0.23342909 | 2.6123582 | 21 | 8 21.9 | 18.0 |
| 33645 1999 $JW_{82}$ | 13.7 | X | 285.20838 | 183.04406 | 120.39317 | 13.59185 | 0.1533058 | 0.22117766 | 2.7079577 | 21 | 4 6.7 | 17.8 |
| 33646 1999 $JX_{82}$ | 13.8 | X | 23.04301 | 153.96881 | 136.69227 | 14.49027 | 0.0909845 | 0.23240414 | 2.6200333 | 21 | 8 27.1 | 16.8 |
| 33647 1999 $JE_{83}$ | 14.8 | X | 46.32530 | 51.07026 | 189.28154 | 13.65841 | 0.1180007 | 0.22923667 | 2.6441129 | 21 | 7 22.9 | 18.3 |
| 33648 1999 $JN_{83}$ | 14.6 | X | 101.00434 | 196.14528 | 116.02410 | 16.31329 | 0.1226637 | 0.24362473 | 2.5389557 | 21 | — | — |
| 33649 1999 $JR_{83}$ | 14.5 | X | 331.15329 | 200.44913 | 126.96650 | 13.50864 | 0.1617409 | 0.22858427 | 2.6491415 | 21 | 7 12.3 | 17.3 |
| 33650 1999 $JF_{84}$ | 13.8 | X | 17.40104 | 206.07115 | 101.67613 | 15.84349 | 0.1459858 | 0.23154373 | 2.6265199 | 21 | 9 24.9 | 17.1 |
| 33651 1999 $JG_{84}$ | 13.5 | X | 61.05569 | 257.19018 | 102.39137 | 15.92241 | 0.1527874 | 0.24320344 | 2.5418870 | 21 | — | — |
| 33652 1999 $JP_{84}$ | 14.2 | X | 206.99757 | 322.99915 | 167.47638 | 15.26713 | 0.1149844 | 0.23527052 | 2.5987093 | 21 | 9 7.1 | 18.0 |
| 33653 1999 $JR_{84}$ | 13.9 | X | 248.18263 | 338.64245 | 184.25087 | 13.59074 | 0.1076878 | 0.24452536 | 2.5327177 | 21 | 12 10.5 | 17.4 |
| 33654 1999 $JX_{86}$ | 14.3 | X | 264.46913 | 45.53395 | 75.73096 | 14.13829 | 0.1146050 | 0.24537975 | 2.5268351 | 21 | 11 10.1 | 17.5 |
| 33655 Sumathipala | 14.9 | X | 342.31476 | 34.24538 | 120.07777 | 7.65151 | 0.1215192 | 0.25805228 | 2.4434169 | 21 | — | — |
| 33656 1999 $JD_{89}$ | 14.7 | X | 169.50471 | 110.96458 | 107.55580 | 13.78795 | 0.1176941 | 0.24344030 | 2.5402380 | 21 | 11 23.0 | 18.7 |
| 33657 1999 $JP_{89}$ | 14.5 | X | 340.27508 | 194.31290 | 126.88960 | 9.72920 | 0.2304048 | 0.22917862 | 2.6445594 | 21 | 7 15.6 | 16.5 |
| 33658 1999 $JD_{90}$ | 14.9 | X | 211.05975 | 266.00913 | 202.35190 | 23.97349 | 0.3100538 | 0.23801230 | 2.5787136 | 21 | 7 27.6 | 20.0 |
| 33659 1999 $JM_{91}$ | 13.6 | X | 279.27258 | 255.76461 | 178.53917 | 16.45902 | 0.1834897 | 0.23906335 | 2.5711498 | 21 | 9 11.5 | 16.8 |
| 33660 Rishishankar | 14.9 | X | 41.10155 | 9.59428 | 147.52309 | 8.23313 | 0.0566534 | 0.26407682 | 2.4061121 | 21 | 3 10.4 | 17.5 |
| 33661 Sophiaswartz | 15.0 | X | 206.25808 | 354.14479 | 132.92458 | 7.56646 | 0.0562224 | 0.28062272 | 2.3105791 | 21 | 9 13.1 | 18.0 |
| 33662 Tacescu | 14.6 | X | 222.40284 | 144.46686 | 144.40251 | 7.04376 | 0.1044439 | 0.25623431 | 2.4549606 | 21 | 1 5.9 | 18.4 |
| 33663 1999 $JT_{92}$ | 14.7 | X | 325.48562 | 124.60016 | 103.84636 | 10.24235 | 0.1194945 | 0.21823093 | 2.7322799 | 21 | 2 23.5 | 18.3 |
| 33664 1999 $JK_{93}$ | 13.8 | X | 272.65947 | 152.81058 | 193.34617 | 15.23337 | 0.1285773 | 0.22436073 | 2.6822844 | 21 | 5 15.9 | 17.8 |
| 33665 1999 $JR_{93}$ | 13.8 | X | 311.19552 | 282.17462 | 99.21901 | 11.13141 | 0.1325882 | 0.18933137 | 3.0036846 | 21 | 8 28.5 | 17.6 |
| 33666 1999 $JO_{94}$ | 14.1 | X | 286.42991 | 193.73426 | 113.92295 | 17.90110 | 0.0843240 | 0.17792900 | 3.1306768 | 21 | 4 29.6 | 18.9 |
| 33667 Uttripathii | 13.9 | X | 13.84763 | 169.68483 | 127.04231 | 8.48337 | 0.1257788 | 0.18626610 | 3.0365482 | 21 | 8 19.2 | 17.4 |
| 33668 1999 $JO_{97}$ | 13.9 | X | 269.67145 | 267.28295 | 122.28549 | 12.26265 | 0.2126277 | 0.22871282 | 2.6481487 | 21 | 6 25.7 | 17.7 |
| 33669 1999 $JU_{97}$ | 14.0 | X | 339.14068 | 119.25268 | 149.57010 | 15.19309 | 0.1671800 | 0.17860742 | 3.1227440 | 21 | 5 10.8 | 18.0 |
| 33670 1999 $JB_{98}$ | 14.1 | X | 74.93368 | 322.91699 | 115.83786 | 12.64435 | 0.1688756 | 0.25919084 | 2.4362562 | 21 | 1 25.0 | 16.4 |
| 33671 1999 $JV_{98}$ | 13.5 | X | 190.98315 | 230.26100 | 148.62005 | 10.15491 | 0.1780921 | 0.21705895 | 2.7421061 | 21 | 4 5.0 | 18.1 |
| 33672 1999 $JU_{99}$ | 13.7 | X | 319.95560 | 264.41733 | 163.19524 | 14.85096 | 0.1068708 | 0.24070386 | 2.5594541 | 21 | 11 25.6 | 16.8 |
| 33673 1999 $JZ_{99}$ | 13.3 | X | 71.81264 | 348.57029 | 98.97654 | 17.88777 | 0.1594747 | 0.21327669 | 2.7744301 | 21 | 2 15.9 | 16.8 |
| 33674 1999 $JT_{100}$ | 13.6 | X | 201.92219 | 322.97788 | 142.23346 | 12.12470 | 0.1086973 | 0.23091095 | 2.6313161 | 21 | 7 30.6 | 17.6 |
| 33675 1999 $JW_{100}$ | 13.9 | X | 338.19435 | 79.36551 | 142.13006 | 13.93161 | 0.1437432 | 0.21792554 | 2.7348318 | 21 | 2 27.7 | 17.1 |
| 33676 1999 $JZ_{101}$ | 13.6 | X | 201.21236 | 249.93013 | 96.38862 | 4.31929 | 0.1029879 | 0.21743365 | 2.7389549 | 21 | 3 4.0 | 17.8 |
| 33677 Truell | 15.3 | X | 189.39210 | 33.65289 | 94.90065 | 7.16949 | 0.0703595 | 0.27932103 | 2.3177520 | 21 | 8 24.3 | 18.5 |
| 33678 1999 $JW_{106}$ | 15.3 | X | 101.40363 | 232.46367 | 11.48690 | 7.27950 | 0.0914539 | 0.23695788 | 2.5863578 | 21 | 10 9.4 | 19.0 |
| 33679 1999 $JY_{107}$ | 13.8 | X | 222.18394 | 52.71153 | 52.00613 | 13.37491 | 0.0980599 | 0.23602729 | 2.5931515 | 21 | 8 30.8 | 17.8 |
| 33680 Vasconcelos | 14.8 | X | 280.04202 | 192.27274 | 168.24289 | 2.77042 | 0.0952896 | 0.22822033 | 2.6519571 | 21 | 6 16.8 | 18.2 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 33681 Wamsley | 15.5 | X | 60.02673 | 21.96913 | 112.29814 | 2.25325 | 0.1204844 | 0.26440223 | 2.4041376 | 21 | 3 13.8 | 17.9 |
| 33682 Waylonreid | 15.2 | X | 227.95046 | 229.24640 | 226.06593 | 2.36703 | 0.0180965 | 0.23343940 | 2.6122813 | 21 | 8 26.1 | 18.6 |
| 33683 1999 $JQ_{115}$ | 15.8 | X | 239.12460 | 266.59846 | 218.04535 | 3.61436 | 0.1254473 | 0.28458473 | 2.2890836 | 21 | 10 10.3 | 18.7 |
| 33684 Xiaomichael | 14.8 | X | 95.43140 | 2.23222 | 108.32077 | 7.08582 | 0.0797348 | 0.26385836 | 2.4074400 | 21 | 4 3.1 | 17.8 |
| 33685 Younglove | 14.7 | X | 246.36323 | 110.39236 | 46.79034 | 5.24636 | 0.0987129 | 0.24412673 | 2.5354740 | 21 | 11 30.4 | 18.0 |
| 33686 1999 $JC_{122}$ | 14.0 | X | 18.75439 | 268.86048 | 78.09256 | 11.80488 | 0.1185869 | 0.19131211 | 2.9829163 | 21 | 11 4.9 | 17.8 |
| 33687 Julianbain | 14.8 | X | 105.72576 | 202.59847 | 74.66270 | 8.34190 | 0.1934303 | 0.23848424 | 2.5753105 | 21 | 12 2.8 | 18.8 |
| 33688 Meghnabehari | 14.5 | X | 243.69033 | 151.60654 | 45.88493 | 2.97122 | 0.1049428 | 0.20392333 | 2.8586311 | 21 | — | — |
| 33689 1999 $JM_{126}$ | 13.3 | X | 246.32496 | 152.79199 | 242.65009 | 8.96074 | 0.1283194 | 0.18419063 | 3.0593162 | 21 | 6 17.5 | 17.9 |
| 33690 Noahcain | 14.3 | X | 25.21763 | 128.81543 | 59.94373 | 6.00349 | 0.1245606 | 0.17578920 | 3.1560309 | 21 | 4 14.4 | 18.1 |
| 33691 Andrewchiang | 14.4 | X | 36.46699 | 14.45783 | 237.99077 | 8.43491 | 0.0392717 | 0.18374805 | 3.0642266 | 21 | 7 14.7 | 18.7 |
| 33692 1999 $JS_{133}$ | 14.5 | X | 358.64623 | 297.25291 | 113.51217 | 14.10534 | 0.1564785 | 0.24322663 | 2.5417254 | 21 | — | — |
| 33693 1999 $KA$ | 14.3 | X | 24.76064 | 228.35872 | 110.26549 | 13.89585 | 0.1399970 | 0.23867261 | 2.5739552 | 21 | 11 16.5 | 17.6 |
| 33694 1999 $KN$ | 15.0 | X | 201.07212 | 23.60175 | 89.66613 | 13.09154 | 0.1199378 | 0.27970905 | 2.3156080 | 21 | 8 14.8 | 18.5 |
| 33695 1999 $KH_3$ | 14.8 | X | 289.06479 | 143.08674 | 152.92430 | 2.05308 | 0.1666142 | 0.17559028 | 3.1584140 | 21 | 3 30.5 | 19.3 |
| 33696 Crouchley | 15.3 | X | 24.17174 | 289.58832 | 241.06359 | 1.18141 | 0.1581508 | 0.26511077 | 2.3998520 | 21 | 2 24.3 | 17.4 |
| 33697 1999 $KJ_{11}$ | 14.0 | X | 207.79466 | 7.12126 | 96.65946 | 7.58751 | 0.0687961 | 0.27641726 | 2.3339557 | 21 | 8 11.5 | 17.2 |
| 33698 1999 $KP_{12}$ | 14.2 | X | 280.79190 | 278.14819 | 45.96308 | 12.24132 | 0.1791920 | 0.22038331 | 2.7144609 | 21 | 4 20.6 | 18.1 |
| 33699 Jessiegan | 14.2 | X | 301.74829 | 113.59579 | 98.28507 | 1.79968 | 0.0147878 | 0.21146258 | 2.7902752 | 21 | 1 16.4 | 17.8 |
| 33700 Gluckman | 14.1 | X | 79.46702 | 88.08966 | 46.29077 | 2.63548 | 0.1618911 | 0.26524620 | 2.3990351 | 21 | 4 22.3 | 16.7 |
| 33701 Gotthold | 14.9 | X | 148.81298 | 328.86635 | 280.02557 | 5.13413 | 0.1488031 | 0.28613901 | 2.2807867 | 21 | 12 11.9 | 18.5 |
| 33702 Spencergreen | 15.2 | X | 96.37534 | 319.32730 | 260.63373 | 4.40006 | 0.1473630 | 0.27656439 | 2.3331279 | 21 | 9 9.8 | 18.5 |
| 33703 Anthonyhill | 14.4 | X | 142.13644 | 23.38411 | 162.02955 | 5.23835 | 0.0917489 | 0.23315827 | 2.6143807 | 21 | 9 9.6 | 18.3 |
| 33704 Herinkang | 15.3 | X | 19.69424 | 262.89483 | 262.51178 | 1.97737 | 0.1644343 | 0.26327739 | 2.4109804 | 21 | 2 6.7 | 17.2 |
| 33705 1999 $LJ$ | 13.9 | X | 228.20038 | 62.03866 | 200.35734 | 6.23483 | 0.1286656 | 0.25006012 | 2.4952061 | 21 | — | — |
| 33706 1999 $LD_5$ | 14.3 | X | 216.60611 | 302.49887 | 127.18490 | 15.82978 | 0.1027278 | 0.23011762 | 2.6373603 | 21 | 7 1.6 | 18.4 |
| 33707 1999 $LW_8$ | 14.2 | X | 194.96862 | 204.76875 | 140.92259 | 10.83190 | 0.1038889 | 0.21383424 | 2.7696053 | 21 | 2 24.6 | 18.5 |
| 33708 1999 $LE_{10}$ | 13.7 | X | 180.88159 | 227.53334 | 195.71920 | 12.75487 | 0.1482466 | 0.22209205 | 2.7005199 | 21 | 5 18.2 | 18.1 |
| 33709 1999 $LK_{10}$ | 13.8 | X | 188.81561 | 291.65665 | 142.84803 | 12.78544 | 0.1505947 | 0.22530882 | 2.6747545 | 21 | 6 9.2 | 18.3 |
| 33710 1999 $LC_{14}$ | 13.9 | X | 198.56114 | 328.75555 | 242.26077 | 14.17378 | 0.0699992 | 0.24177366 | 2.5518985 | 21 | 12 14.1 | 17.4 |
| 33711 1999 $LH_{15}$ | 14.8 | X | 142.68801 | 342.36914 | 129.49332 | 15.50375 | 0.0623869 | 0.22536879 | 2.6742800 | 21 | 6 5.9 | 18.9 |
| 33712 1999 $LE_{19}$ | 13.9 | X | 338.22055 | 277.04277 | 50.13283 | 10.84342 | 0.1198949 | 0.18090800 | 3.0962132 | 21 | 7 31.3 | 17.8 |
| 33713 Mithravamshi | 14.5 | X | 322.57633 | 8.35630 | 156.82665 | 3.37253 | 0.0105405 | 0.25215539 | 2.4813644 | 21 | — | — |
| 33714 Sarakaufman | 14.5 | X | 328.99223 | 124.60156 | 131.65424 | 5.47946 | 0.0964572 | 0.26399481 | 2.4066104 | 21 | 4 2.5 | 17.3 |
| 33715 1999 $LP_{25}$ | 13.6 | X | 358.79102 | 50.70655 | 255.64813 | 10.41623 | 0.1322531 | 0.18323549 | 3.0699383 | 21 | 7 31.7 | 17.4 |
| 33716 1999 $LF_{26}$ | 14.1 | X | 330.96253 | 180.82632 | 106.34972 | 8.31642 | 0.1783323 | 0.22198605 | 2.7013795 | 21 | 5 13.7 | 17.2 |
| 33717 1999 $LS_{26}$ | 12.5 | X | 270.82194 | 59.84464 | 90.86390 | 15.40193 | 0.0195481 | 0.24313057 | 2.5423949 | 21 | — | — |
| 33718 1999 $LZ_{26}$ | 13.2 | X | 37.86890 | 209.64261 | 105.03438 | 14.76069 | 0.1886806 | 0.23252393 | 2.6191334 | 21 | 11 11.1 | 16.7 |
| 33719 1999 $LA_{27}$ | 12.9 | X | 25.86788 | 228.20446 | 97.93109 | 13.88148 | 0.1696110 | 0.23220268 | 2.6215485 | 21 | 11 5.5 | 16.2 |
| 33720 1999 $LD_{27}$ | 13.6 | X | 101.99297 | 183.12622 | 95.17554 | 13.31878 | 0.1343430 | 0.23728311 | 2.5839940 | 21 | 11 28.6 | 17.6 |
| 33721 1999 $LS_{34}$ | 14.1 | X | 40.38656 | 237.54143 | 225.30969 | 6.53407 | 0.1933881 | 0.21228276 | 2.7830834 | 21 | 1 5.6 | 16.9 |
| 33722 1999 $NO$ | 14.3 | X | 16.00695 | 40.12303 | 52.48434 | 2.67155 | 0.0363499 | 0.20049245 | 2.8911505 | 21 | — | — |
| 33723 1999 $NB_3$ | 14.8 | X | 225.88102 | 170.83449 | 212.08861 | 13.02470 | 0.1902864 | 0.26382710 | 2.4076302 | 21 | 5 4.8 | 18.7 |
| 33724 1999 $NW_4$ | 12.9 | X | 343.25778 | 138.56012 | 124.75856 | 22.80431 | 0.0248921 | 0.17306039 | 3.1891205 | 21 | 5 25.5 | 17.7 |
| 33725 Robertkent | 14.2 | X | 80.12576 | 338.54105 | 293.41072 | 9.82565 | 0.0640955 | 0.18614557 | 3.0378588 | 21 | 10 5.5 | 18.7 |
| 33726 1999 $NJ_9$ | 14.1 | X | 290.18588 | 329.80666 | 306.69529 | 6.53946 | 0.2705109 | 0.21329366 | 2.7742830 | 21 | 2 17.1 | 18.4 |
| 33727 Kummel | 14.0 | X | 17.94268 | 77.92817 | 131.34355 | 9.82212 | 0.0898901 | 0.21765291 | 2.7371151 | 21 | 4 26.2 | 17.4 |
| 33728 1999 $NO_{16}$ | 13.8 | X | 13.49044 | 341.87897 | 286.08823 | 12.66434 | 0.0889432 | 0.17899038 | 3.1182883 | 21 | 7 6.7 | 17.5 |
| 33729 1999 $NJ_{21}$ | 13.1 | X | 115.90923 | 156.24490 | 90.20013 | 12.66717 | 0.1420760 | 0.23437748 | 2.6053064 | 21 | 11 5.8 | 17.3 |
| 33730 1999 $NH_{23}$ | 13.9 | X | 78.04545 | 190.66142 | 119.68020 | 11.56324 | 0.0887891 | 0.19093496 | 2.9868431 | 21 | 11 30.5 | 18.4 |
| 33731 1999 $NM_{24}$ | 13.6 | X | 310.94260 | 124.44905 | 318.40881 | 7.76392 | 0.0551798 | 0.19132448 | 2.9827877 | 21 | 11 17.7 | 17.7 |
| 33732 1999 $NC_{32}$ | 12.9 | X | 242.85627 | 184.71438 | 297.29469 | 9.70343 | 0.0641975 | 0.18723525 | 3.0260607 | 21 | 10 3.8 | 17.4 |
| 33733 1999 $NU_{32}$ | 13.1 | X | 315.60955 | 206.74238 | 112.53152 | 11.97263 | 0.1215272 | 0.17622575 | 3.1508167 | 21 | 6 11.2 | 17.2 |
| 33734 Stephenlitt | 13.8 | X | 155.10833 | 344.78007 | 123.68135 | 5.77723 | 0.0997139 | 0.17497464 | 3.1658183 | 21 | 6 16.7 | 18.6 |
| 33735 1999 $NW_{34}$ | 13.6 | X | 261.81428 | 354.26174 | 118.66365 | 13.57377 | 0.1244808 | 0.23318949 | 2.6141474 | 21 | 10 25.4 | 17.3 |
| 33736 1999 $NY_{36}$ | 13.7 | X | 25.43175 | 100.38330 | 86.24478 | 7.62379 | 0.2226173 | 0.21572403 | 2.7534067 | 21 | 4 11.1 | 16.2 |
| 33737 Helenlyons | 14.4 | X | 355.39608 | 184.39799 | 90.02194 | 5.25770 | 0.1934960 | 0.22115033 | 2.7081808 | 21 | 6 10.4 | 16.8 |
| 33738 1999 $NY_{41}$ | 13.3 | X | 287.19399 | 34.75788 | 334.01819 | 17.99539 | 0.1642905 | 0.17506440 | 3.1647360 | 21 | 6 30.6 | 18.0 |
| 33739 1999 $NK_{43}$ | 14.1 | X | 180.33596 | 62.66529 | 124.55139 | 11.38718 | 0.0452315 | 0.19314594 | 2.9640054 | 21 | 10 24.9 | 18.6 |
| 33740 Arjunmoorthy | 14.6 | X | 9.13000 | 176.79956 | 145.32774 | 8.58175 | 0.1793263 | 0.27275020 | 2.3548288 | 21 | 10 6.5 | 16.7 |
| 33741 1999 $NB_{50}$ | 14.2 | X | 77.76958 | 325.01891 | 275.23735 | 11.88492 | 0.2261032 | 0.22833567 | 2.6510640 | 21 | 9 17.1 | 18.3 |
| 33742 1999 $NK_{50}$ | 13.9 | X | 340.45776 | 240.97186 | 253.17271 | 4.22755 | 0.1508327 | 0.24518025 | 2.5282056 | 21 | — | — |
| 33743 1999 $NC_{55}$ | 12.7 | X | 295.42293 | 89.10746 | 241.32015 | 13.16773 | 0.1844746 | 0.17325421 | 3.1867416 | 21 | 5 16.9 | 16.9 |
| 33744 1999 $NS_{55}$ | 13.2 | X | 90.05056 | 358.28329 | 177.54833 | 17.63038 | 0.0330735 | 0.17293949 | 3.1906067 | 21 | 6 18.5 | 18.0 |
| 33745 1999 $NW_{61}$ | 14.0 | X | 139.16854 | 69.38293 | 161.17544 | 13.95239 | 0.1653456 | 0.23539706 | 2.5977779 | 21 | 11 7.9 | 18.4 |
| 33746 Sombart | 14.0 | X | 237.30959 | 311.81117 | 121.33898 | 17.79392 | 0.1038487 | 0.17657671 | 3.1466403 | 21 | 7 27.9 | 18.6 |
| 33747 Clingan | 14.5 | X | 36.54414 | 186.69406 | 125.58927 | 10.95895 | 0.1684544 | 0.18312175 | 3.0712094 | 21 | 10 24.7 | 18.6 |
| 33748 1999 $PP_4$ | 12.6 | X | 323.49130 | 293.09602 | 32.62065 | 6.54529 | 0.0934410 | 0.17360282 | 3.1824740 | 21 | 7 4.7 | 16.8 |
| 33749 1999 $QO$ | 13.6 | X | 353.27529 | 187.39926 | 237.16800 | 7.68009 | 0.0710894 | 0.19114725 | 2.9846312 | 21 | 12 26.6 | 17.5 |
| 33750 Davehiggins | 12.8 | X | 167.02547 | 113.35502 | 23.29272 | 32.69054 | 0.3188741 | 0.21086572 | 2.7955380 | 21 | 8 25.2 | 18.6 |
| 33751 1999 $RR_{21}$ | 14.0 | X | 331.53254 | 165.48423 | 112.20341 | 2.60049 | 0.1203471 | 0.16953942 | 3.2331232 | 21 | 5 11.9 | 18.1 |
| 33752 1999 $RM_{36}$ | 14.0 | X | 82.15811 | 182.87836 | 166.37910 | 18.08477 | 0.2080932 | 0.23515988 | 2.5995244 | 21 | — | — |
| 33753 1999 $RW_{42}$ | 12.4 | X | 236.53522 | 259.61060 | 136.28166 | 8.19924 | 0.2245045 | 0.12523950 | 3.9564756 | 21 | 6 3.1 | 18.8 |
| 33754 1999 $RH_{47}$ | 13.5 | X | 286.85405 | 221.90946 | 135.38605 | 12.96478 | 0.1197593 | 0.17541870 | 3.1604732 | 21 | 6 20.1 | 18.0 |
| 33755 1999 $RU_{47}$ | 13.4 | X | 356.71285 | 306.20335 | 329.40941 | 12.58100 | 0.0602530 | 0.17565630 | 3.1576227 | 21 | 6 21.2 | 17.7 |
| 33756 1999 $RF_{48}$ | 13.4 | X | 220.74950 | 1.52725 | 149.98892 | 11.55848 | 0.0259740 | 0.18733808 | 3.0249533 | 21 | 10 27.9 | 17.8 |
| 33757 1999 $RB_{52}$ | 13.7 | X | 276.34926 | 318.45273 | 115.50622 | 3.02385 | 0.1620516 | 0.18011333 | 3.1053137 | 21 | 9 6.9 | 17.8 |
| 33758 1999 $RY_{55}$ | 13.4 | X | 272.72816 | 53.38004 | 355.39603 | 10.55637 | 0.0920352 | 0.17761988 | 3.1343079 | 21 | 8 13.4 | 17.9 |
| 33759 1999 $RR_{57}$ | 13.3 | X | 135.12681 | 9.14885 | 139.29038 | 16.86391 | 0.0808249 | 0.17402256 | 3.1773545 | 21 | 7 13.2 | 18.2 |
| 33760 1999 $RE_{74}$ | 13.7 | X | 24.47579 | 185.13929 | 65.53400 | 2.82015 | 0.0979001 | 0.17332396 | 3.1858866 | 21 | 7 1.7 | 17.7 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 33761 Honoranavid | 14.7 | X | 250.84622 | 289.08427 | 127.24751 | 5.38960 | 0.1514691 | 0.26412936 | 2.4057930 | 21 | 7 17.2 | 17.9 |
| 33762 Sanjayseshan | 15.0 | X | 226.99901 | 320.04302 | 104.41964 | 3.94959 | 0.0767216 | 0.21715895 | 2.7412642 | 21 | 7 8.3 | 18.9 |
| 33763 1999 $RB_{84}$ | 13.4 | X | 267.61711 | 196.58948 | 358.75092 | 10.51104 | 0.0759492 | 0.19497370 | 2.9454525 | 21 | — | — |
| 33764 1999 $RM_{92}$ | 13.3 | X | 61.52939 | 22.39589 | 195.49609 | 0.30080 | 0.1012804 | 0.17093963 | 3.2154435 | 21 | 7 14.4 | 17.7 |
| 33765 1999 $RK_{100}$ | 14.1 | X | 5.96253 | 307.85157 | 293.34410 | 13.17252 | 0.2081212 | 0.21942917 | 2.7223240 | 21 | 5 8.9 | 16.8 |
| 33766 1999 $RT_{100}$ | 13.1 | X | 291.60502 | 32.83739 | 278.53851 | 10.35162 | 0.1723756 | 0.17103750 | 3.2142167 | 21 | 4 16.1 | 17.8 |
| 33767 1999 $RK_{102}$ | 14.3 | X | 321.45103 | 31.30236 | 297.74545 | 11.86882 | 0.1672080 | 0.22021010 | 2.7158840 | 21 | 6 26.3 | 17.3 |
| 33768 1999 $RV_{107}$ | 13.7 | X | 37.45461 | 308.51746 | 231.87591 | 6.32176 | 0.1926701 | 0.21039353 | 2.7997191 | 21 | 4 22.5 | 16.5 |
| 33769 1999 $RN_{112}$ | 13.9 | X | 164.55183 | 53.07847 | 145.91379 | 26.58140 | 0.0642251 | 0.23192248 | 2.6236596 | 21 | 10 28.8 | 18.3 |
| 33770 1999 $RF_{128}$ | 13.4 | X | 269.44218 | 284.27764 | 174.86981 | 4.84159 | 0.0915342 | 0.18402744 | 3.0611245 | 21 | 10 10.2 | 17.6 |
| 33771 1999 $RJ_{142}$ | 13.4 | X | 43.90930 | 104.05385 | 143.55535 | 5.10020 | 0.0861990 | 0.17353324 | 3.1833246 | 21 | 7 25.6 | 17.5 |
| 33772 1999 $RF_{145}$ | 13.6 | X | 348.18226 | 339.18935 | 267.37924 | 7.01995 | 0.0995053 | 0.16919348 | 3.2375288 | 21 | 4 26.5 | 17.7 |
| 33773 1999 $RL_{145}$ | 14.5 | X | 127.21013 | 280.25983 | 310.79997 | 10.58190 | 0.2483443 | 0.23177794 | 2.6247502 | 21 | 10 23.4 | 19.2 |
| 33774 1999 $RD_{147}$ | 14.0 | X | 150.80051 | 315.88149 | 305.92455 | 10.67264 | 0.1093176 | 0.19130358 | 2.9830051 | 21 | 12 15.7 | 18.8 |
| 33775 1999 $RZ_{151}$ | 13.7 | X | 41.02076 | 269.23829 | 354.37826 | 7.96062 | 0.0869892 | 0.17732016 | 3.1378389 | 21 | 8 14.5 | 17.8 |
| 33776 1999 $RB_{158}$ | 12.4 | X | 345.56405 | 305.63485 | 354.52870 | 16.51501 | 0.1017763 | 0.17479018 | 3.1680451 | 21 | 7 7.9 | 16.7 |
| 33777 1999 $RM_{158}$ | 13.2 | X | 119.47780 | 124.37300 | 60.68358 | 1.83635 | 0.1079099 | 0.17559846 | 3.1583159 | 21 | 8 14.2 | 17.9 |
| 33778 1999 $RO_{160}$ | 13.1 | X | 170.81287 | 239.34542 | 13.12035 | 9.95049 | 0.0596853 | 0.19165551 | 2.9793522 | 21 | 12 26.1 | 17.7 |
| 33779 1999 $RG_{165}$ | 13.4 | X | 65.59291 | 274.50387 | 337.13663 | 14.98291 | 0.1428392 | 0.17876084 | 3.1209571 | 21 | 9 6.6 | 17.7 |
| 33780 1999 $RU_{171}$ | 13.5 | X | 174.28395 | 263.54378 | 0.93040 | 9.37851 | 0.0141802 | 0.19235647 | 2.9721098 | 21 | — | — |
| 33781 1999 $RP_{174}$ | 13.5 | X | 151.94560 | 141.96647 | 86.78738 | 2.78525 | 0.1258831 | 0.18677053 | 3.0310782 | 21 | 11 8.4 | 18.3 |
| 33782 1999 $RW_{178}$ | 13.4 | X | 204.07843 | 231.34720 | 77.67430 | 4.08680 | 0.0984686 | 0.15705316 | 3.4022922 | 21 | 1 29.4 | 18.7 |
| 33783 1999 $RD_{183}$ | 13.8 | X | 36.92736 | 232.10511 | 54.74662 | 1.85595 | 0.1549969 | 0.17897557 | 3.1184602 | 21 | 9 15.8 | 17.6 |
| 33784 1999 $RE_{187}$ | 14.0 | X | 145.74902 | 222.71101 | 356.27897 | 11.25190 | 0.1746379 | 0.18552274 | 3.0446540 | 21 | 10 19.2 | 19.2 |
| 33785 1999 $RD_{192}$ | 13.2 | X | 115.40481 | 182.12380 | 85.37098 | 5.28462 | 0.1432396 | 0.23296502 | 2.6158263 | 21 | 11 26.7 | 17.3 |
| 33786 1999 $RJ_{196}$ | 13.0 | X | 13.30083 | 261.45693 | 335.97932 | 18.44874 | 0.0986497 | 0.16897080 | 3.2403725 | 21 | 5 21.5 | 17.5 |
| 33787 1999 $RJ_{229}$ | 13.8 | X | 298.41963 | 243.47705 | 136.49354 | 16.33839 | 0.0721231 | 0.17864648 | 3.1222889 | 21 | 8 10.6 | 18.0 |
| 33788 1999 $RL_{240}$ | 13.0 | X | 159.95975 | 146.13634 | 104.59359 | 12.19005 | 0.1072935 | 0.18846700 | 3.0128615 | 21 | 12 11.9 | 17.9 |
| 33789 Sharmacam | 14.1 | X | 234.96944 | 143.21005 | 81.70696 | 6.88910 | 0.1407937 | 0.24267673 | 2.5455636 | 21 | — | — |
| 33790 1999 $SA_{9}$ | 14.1 | X | 87.90361 | 166.88663 | 118.32983 | 13.09779 | 0.1663037 | 0.23194065 | 2.6235226 | 21 | 11 26.3 | 18.3 |
| 33791 1999 $SG_{17}$ | 14.8 | X | 317.54780 | 205.81217 | 85.97458 | 4.03287 | 0.1689108 | 0.30644345 | 2.1788926 | 21 | 4 17.9 | 16.9 |
| 33792 1999 $SU_{18}$ | 12.9 | X | 109.88853 | 66.93838 | 155.19556 | 17.13084 | 0.1802867 | 0.17938033 | 3.1137674 | 21 | 9 27.5 | 17.9 |
| 33793 1999 $SO_{26}$ | 13.4 | X | 307.84739 | 229.71873 | 85.32959 | 11.79063 | 0.0969942 | 0.17073578 | 3.2180024 | 21 | 5 28.9 | 17.7 |
| 33794 1999 $TR_{2}$ | 12.4 | X | 23.44693 | 191.49494 | 110.81326 | 22.81296 | 0.0538526 | 0.17510433 | 3.1642549 | 21 | 9 9.1 | 17.0 |
| 33795 1999 $TR_{6}$ | 13.2 | X | 97.99351 | 287.16878 | 40.97992 | 10.99640 | 0.0656444 | 0.18743993 | 3.0238574 | 21 | — | — |
| 33796 1999 $TP_{37}$ | 12.9 | X | 316.41084 | 0.85375 | 285.44087 | 8.37984 | 0.1027445 | 0.16941499 | 3.2347061 | 21 | 4 29.1 | 17.3 |
| 33797 1999 $TO_{88}$ | 13.7 | X | 329.44399 | 208.96621 | 83.93063 | 2.38821 | 0.1544835 | 0.17180594 | 3.2046254 | 21 | 5 23.8 | 17.6 |
| 33798 1999 $TO_{95}$ | 14.0 | X | 249.66283 | 158.39712 | 46.96869 | 11.20326 | 0.0530467 | 0.19175691 | 2.9783018 | 21 | — | — |
| 33799 Myra | 14.1 | X | 130.25684 | 203.71943 | 59.92688 | 7.16749 | 0.2310585 | 0.23085419 | 2.6317474 | 21 | 12 6.5 | 18.6 |
| 33800 Gross | 12.2 | X | 357.63088 | 182.27035 | 140.79375 | 22.46698 | 0.0502136 | 0.17124692 | 3.2115957 | 21 | 8 23.7 | 16.5 |
| 33801 Emilyshi | 14.3 | X | 4.82157 | 197.74553 | 235.32268 | 5.12574 | 0.1455681 | 0.27590803 | 2.3368266 | 21 | — | — |
| 33802 1999 $VA_{203}$ | 13.1 | X | 114.37950 | 204.66880 | 118.89165 | 11.25406 | 0.0773080 | 0.19112320 | 2.9848816 | 21 | — | — |
| 33803 1999 $VK_{210}$ | 15.8 | X | 319.14323 | 141.90926 | 177.11899 | 6.81685 | 0.2040572 | 0.30408487 | 2.1901449 | 21 | 5 27.3 | 17.8 |
| 33804 1999 $WL_{4}$ | 15.0 | X | 294.50458 | 339.27599 | 96.58327 | 3.68951 | 0.1404412 | 0.26540227 | 2.3980945 | 21 | 10 23.5 | 17.3 |
| 33805 1999 $XQ_{36}$ | 14.2 | X | 92.18269 | 72.31047 | 356.00933 | 6.33411 | 0.0928577 | 0.28659013 | 2.2783926 | 21 | 1 23.7 | 16.6 |
| 33806 Shrivastava | 15.1 | X | 107.32505 | 98.30555 | 147.65346 | 6.08662 | 0.0532089 | 0.26313982 | 2.4118206 | 21 | 10 21.1 | 18.4 |
| 33807 1999 $XF_{71}$ | 14.5 | X | 262.04190 | 206.17137 | 92.42090 | 8.15205 | 0.1581444 | 0.29151468 | 2.2526606 | 21 | 2 22.3 | 17.9 |
| 33808 1999 $XD_{114}$ | 12.7 | X | 36.40550 | 129.77097 | 4.31778 | 15.86021 | 0.0794739 | 0.24139202 | 2.5545875 | 21 | 2 9.6 | 15.9 |
| 33809 1999 $XK_{152}$ | 14.7 | X | 323.46266 | 329.78724 | 100.11889 | 4.76164 | 0.1966722 | 0.27191250 | 2.3596627 | 21 | 12 13.3 | 16.1 |
| 33810 Tangirala | 14.4 | X | 138.43425 | 185.17069 | 199.81199 | 3.74726 | 0.0661222 | 0.28529292 | 2.2852939 | 21 | 1 23.9 | 17.3 |
| 33811 Scottobin | 14.1 | X | 346.27035 | 231.67691 | 89.97649 | 8.32097 | 0.1928898 | 0.30015343 | 2.2092278 | 21 | 8 13.4 | 15.4 |
| 33812 1999 $XS_{173}$ | 13.2 | X | 209.60863 | 239.05782 | 90.40032 | 13.18423 | 0.2664694 | 0.24048534 | 2.5610043 | 21 | 2 20.0 | 18.0 |
| 33813 1999 $XH_{177}$ | 13.5 | X | 272.86415 | 218.64629 | 72.76107 | 13.55695 | 0.1534874 | 0.23906369 | 2.5711473 | 21 | 3 7.7 | 17.6 |
| 33814 Viswesh | 14.9 | X | 164.87405 | 17.28303 | 320.53132 | 3.28755 | 0.1626701 | 0.23792088 | 2.5793741 | 21 | 1 16.5 | 18.7 |
| 33815 2000 $AG_{31}$ | 14.0 | X | 208.01213 | 158.56101 | 103.51824 | 13.80426 | 0.1947946 | 0.22713643 | 2.6603872 | 21 | — | — |
| 33816 2000 $AL_{42}$ | 14.9 | X | 247.70164 | 244.50817 | 107.24532 | 29.70145 | 0.0974627 | 0.38007914 | 1.8874988 | 21 | 4 30.2 | 18.1 |
| 33817 Fariswald | 15.2 | X | 282.18598 | 103.94019 | 115.95688 | 5.12053 | 0.0632773 | 0.27597170 | 2.3364672 | 21 | — | — |
| 33818 2000 $AK_{97}$ | 12.5 | X | 166.35844 | 148.27856 | 141.56674 | 16.48810 | 0.0787670 | 0.17528898 | 3.1620323 | 21 | — | — |
| 33819 2000 $AX_{119}$ | 14.8 | X | 225.33765 | 102.69675 | 141.57593 | 12.36630 | 0.1776362 | 0.27157949 | 2.3615913 | 21 | — | — |
| 33820 2000 $AB_{141}$ | 13.1 | X | 129.75155 | 37.89399 | 277.40182 | 12.40343 | 0.1606020 | 0.22380544 | 2.6867192 | 21 | — | — |
| 33821 2000 $AF_{200}$ | 12.9 | X | 221.77796 | 32.31301 | 168.82711 | 13.11705 | 0.1666631 | 0.18610008 | 3.0383538 | 21 | 12 8.9 | 17.8 |
| 33822 2000 $AA_{231}$ | 11.9 | X | 250.93183 | 21.72600 | 112.59103 | 17.37729 | 0.1632448 | 0.08322612 | 5.1955271 | 21 | 10 16.7 | 19.2 |
| 33823 Mariorigutti | 14.8 | X | 169.64797 | 339.70309 | 125.65486 | 2.78582 | 0.0230553 | 0.20026124 | 2.8933754 | 21 | 6 25.2 | 18.7 |
| 33824 2000 $DG_{31}$ | 16.2 | X | 238.64206 | 292.56185 | 305.56763 | 1.82011 | 0.1272816 | 0.27063692 | 2.3670714 | 21 | — | — |
| 33825 Reganwill | 15.0 | X | 217.39923 | 219.04871 | 116.81926 | 5.93885 | 0.1803875 | 0.28363758 | 2.2941767 | 21 | 2 26.6 | 18.6 |
| 33826 Kevynadams | 15.4 | X | 251.21497 | 272.05719 | 15.04863 | 6.62464 | 0.1198576 | 0.27967935 | 2.3157719 | 21 | 1 31.2 | 18.8 |
| 33827 2000 $ED$ | 14.3 | X | 183.52153 | 98.18683 | 91.46456 | 10.03932 | 0.1658239 | 0.25639700 | 2.4539220 | 21 | 10 31.3 | 18.3 |
| 33828 2000 $EP_{44}$ | 15.9 | X | 143.70941 | 98.17449 | 203.69497 | 3.86488 | 0.1986773 | 0.30861749 | 2.1686478 | 21 | — | — |
| 33829 Asherson | 16.3 | X | 354.08462 | 177.05251 | 158.99784 | 1.54957 | 0.1270786 | 0.29549253 | 2.2323985 | 21 | 9 21.8 | 18.1 |
| 33830 2000 $EC_{93}$ | 12.4 | X | 91.25128 | 188.92945 | 139.95915 | 23.75391 | 0.0854141 | 0.16958697 | 3.2325189 | 21 | 12 31.6 | 17.5 |
| 33831 2000 $EA_{98}$ | 15.7 | X | 277.85174 | 103.00574 | 125.68505 | 23.85556 | 0.0445090 | 0.36530454 | 1.9380546 | 21 | — | — |
| 33832 2000 $EE_{135}$ | 15.9 | X | 112.97378 | 182.97500 | 101.37774 | 3.22872 | 0.1935931 | 0.30246641 | 2.1979507 | 21 | 12 26.4 | 19.3 |
| 33833 2000 $EN_{154}$ | 14.3 | X | 161.69221 | 77.56960 | 257.80621 | 1.35339 | 0.0586932 | 0.22363881 | 2.6880536 | 21 | 1 1.9 | 18.1 |
| 33834 2000 $ES_{158}$ | 13.3 | X | 96.70534 | 139.19763 | 239.89211 | 11.67278 | 0.1850109 | 0.22324428 | 2.6912197 | 21 | — | — |
| 33835 2000 $EQ_{200}$ | 16.2 | X | 50.53997 | 356.53049 | 241.44119 | 3.16449 | 0.0983167 | 0.29094340 | 2.2556085 | 21 | 7 27.5 | 18.5 |
| 33836 2000 $FB_{39}$ | 15.5 | X | 202.69558 | 289.36483 | 29.02976 | 14.62411 | 0.3435369 | 0.26899012 | 2.3767226 | 21 | 2 2.5 | 20.2 |
| 33837 2000 $FQ_{40}$ | 13.9 | X | 20.39005 | 297.63040 | 28.85240 | 33.22877 | 0.3251216 | 0.20115196 | 2.8848276 | 21 | 11 2.3 | 17.1 |
| 33838 Brandabaker | 14.6 | X | 273.48941 | 50.13505 | 155.53926 | 0.72035 | 0.1231364 | 0.17443607 | 3.1723311 | 21 | — | — |
| 33839 2000 $GQ_{58}$ | 15.6 | X | 46.85514 | 111.85951 | 195.43764 | 2.52121 | 0.2301684 | 0.29428335 | 2.2385094 | 21 | 11 24.4 | 18.3 |
| 33840 2000 $GR_{63}$ | 16.5 | X | 251.81168 | 147.65350 | 171.68800 | 2.58143 | 0.1915515 | 0.27635275 | 2.3343189 | 21 | 3 7.1 | 19.9 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 33841 2000 $GB_{75}$ | 14.8 | $X$ | 263.77955 | 147.11022 | 194.55709 | 4.64556 | 0.3065494 | 0.23195077 | 2.6234462 | 21 | 4 9.4 | 19.1 |
| 33842 2000 $GN_{79}$ | 14.9 | $X$ | 200.43145 | 219.25881 | 191.31404 | 2.15118 | 0.2081046 | 0.23779853 | 2.5802588 | 21 | 5 17.9 | 19.1 |
| 33843 2000 $GP_{127}$ | 15.7 | $X$ | 183.59498 | 120.91221 | 152.97313 | 22.95197 | 0.0724502 | 0.35626950 | 1.9706838 | 21 | — | — |
| 33844 2000 $GQ_{133}$ | 15.7 | $X$ | 56.78792 | 149.01078 | 151.01085 | 7.25009 | 0.2224590 | 0.29415450 | 2.2391630 | 21 | 11 26.5 | 18.8 |
| 33845 2000 $GT_{157}$ | 15.6 | $X$ | 45.68650 | 209.34298 | 46.59861 | 5.69783 | 0.1497960 | 0.29133649 | 2.2535790 | 21 | 8 30.0 | 17.9 |
| 33846 2000 $GO_{167}$ | 15.0 | $X$ | 304.58591 | 291.98599 | 357.86793 | 5.06581 | 0.2267563 | 0.23551636 | 2.5969006 | 21 | 3 24.8 | 18.6 |
| 33847 2000 $GO_{182}$ | 15.6 | $X$ | 348.16824 | 321.56046 | 139.81066 | 7.32412 | 0.0839340 | 0.26254630 | 2.4154541 | 21 | — | — |
| 33848 2000 $HU_{6}$ | 15.2 | $X$ | 234.16538 | 279.17441 | 44.49694 | 5.12243 | 0.2561822 | 0.27199110 | 2.3592081 | 21 | 2 26.1 | 19.3 |
| 33849 2000 $HL_{13}$ | 16.2 | $X$ | 19.42372 | 5.40128 | 283.06888 | 1.39223 | 0.1675733 | 0.28773005 | 2.2723710 | 21 | 8 30.5 | 18.0 |
| 33850 2000 $HT_{26}$ | 15.2 | $X$ | 197.20084 | 146.88195 | 209.02167 | 13.72433 | 0.2428872 | 0.27309959 | 2.3528199 | 21 | 3 2.9 | 19.5 |
| 33851 2000 $HD_{33}$ | 13.9 | $X$ | 253.91340 | 249.80933 | 77.50501 | 32.79668 | 0.1270561 | 0.23077860 | 2.6323221 | 21 | 4 18.9 | 18.6 |
| 33852 Baschnagel | 15.3 | $X$ | 209.83414 | 297.08618 | 53.29405 | 7.78560 | 0.1386714 | 0.27367258 | 2.3495347 | 21 | 3 13.3 | 19.0 |
| 33853 2000 $HB_{53}$ | 16.1 | $X$ | 32.79807 | 241.08511 | 57.63868 | 5.37959 | 0.1743026 | 0.29029192 | 2.2589819 | 21 | 10 15.4 | 18.3 |
| 33854 2000 $HH_{53}$ | 13.5 | $X$ | 332.86927 | 277.80421 | 51.66740 | 13.55951 | 0.1651184 | 0.19332106 | 2.9622152 | 21 | 7 20.5 | 17.0 |
| 33855 2000 $HS_{60}$ | 15.0 | $X$ | 256.73867 | 333.46326 | 24.32070 | 6.77038 | 0.3042009 | 0.23487781 | 2.6016052 | 21 | 4 22.7 | 19.5 |
| 33856 2000 $HD_{73}$ | 15.9 | $X$ | 58.38836 | 233.05191 | 94.01782 | 3.74893 | 0.1359383 | 0.25336255 | 2.4734764 | 21 | 12 13.3 | 19.1 |
| 33857 2000 $HU_{74}$ | 16.2 | $X$ | 300.39012 | 193.87118 | 143.64594 | 2.27165 | 0.2046365 | 0.28414227 | 2.2914593 | 21 | 5 24.2 | 18.8 |
| 33858 2000 $HG_{78}$ | 13.6 | $X$ | 138.97626 | 152.42260 | 225.84530 | 14.95282 | 0.0879001 | 0.18050926 | 3.1007713 | 21 | 2 3.2 | 18.5 |
| 33859 2000 $HX_{82}$ | 16.5 | $X$ | 114.00869 | 172.86576 | 170.12073 | 0.98318 | 0.1835870 | 0.30700657 | 2.1762274 | 21 | — | — |
| 33860 2000 $HZ_{86}$ | 14.9 | $X$ | 284.07341 | 215.82069 | 139.04128 | 6.28515 | 0.2503733 | 0.28250087 | 2.3003267 | 21 | 5 20.9 | 18.0 |
| 33861 Boucvalt | 15.3 | $X$ | 17.06297 | 56.56928 | 282.81651 | 1.98231 | 0.1735219 | 0.24667385 | 2.5179898 | 21 | 11 5.9 | 17.9 |
| 33862 2000 $HS_{99}$ | 14.4 | $X$ | 129.90060 | 244.87408 | 121.76163 | 6.68520 | 0.1846035 | 0.26376234 | 2.4080242 | 21 | 1 11.9 | 17.5 |
| 33863 Elfriederwin | 15.7 | $X$ | 35.38248 | 239.39110 | 63.88663 | 7.92270 | 0.1748106 | 0.29128851 | 2.2538265 | 21 | 10 26.9 | 18.1 |
| 33864 2000 $JP_{12}$ | 15.2 | $X$ | 120.82807 | 290.95677 | 49.45131 | 3.90028 | 0.2063667 | 0.26112605 | 2.4242045 | 21 | — | — |
| 33865 2000 $JX_{15}$ | 15.9 | $X$ | 336.66862 | 254.06322 | 82.86742 | 26.84026 | 0.1370527 | 0.38087870 | 1.8848564 | 21 | 9 18.6 | 18.0 |
| 33866 2000 $JN_{17}$ | 14.4 | $X$ | 314.89627 | 135.60362 | 160.57710 | 4.22302 | 0.1937304 | 0.18696767 | 3.0289472 | 21 | 4 29.0 | 18.2 |
| 33867 2000 $JO_{18}$ | 16.2 | $X$ | 149.32678 | 351.80205 | 352.91062 | 4.63418 | 0.1715068 | 0.31224144 | 2.1518353 | 21 | — | — |
| 33868 2000 $JF_{29}$ | 15.8 | $X$ | 90.54226 | 301.98591 | 10.73165 | 4.06916 | 0.1789300 | 0.25311977 | 2.4750578 | 21 | — | — |
| 33869 Brunnermatt | 14.8 | $X$ | 76.61962 | 83.81382 | 244.80544 | 6.36187 | 0.1782238 | 0.25284057 | 2.4768795 | 21 | — | — |
| 33870 2000 $JP_{32}$ | 14.3 | $X$ | 95.74184 | 315.17410 | 48.53820 | 14.51331 | 0.2110086 | 0.21270334 | 2.7794136 | 21 | — | — |
| 33871 Locastillo | 15.8 | $X$ | 182.77567 | 254.36988 | 316.57519 | 2.77387 | 0.0364871 | 0.30060974 | 2.2069916 | 21 | 12 10.1 | 18.5 |
| 33872 Kristichung | 14.9 | $X$ | 343.25186 | 100.42899 | 239.81410 | 5.06991 | 0.1766946 | 0.24131399 | 2.5551381 | 21 | 8 25.2 | 17.2 |
| 33873 2000 $JS_{52}$ | 14.2 | $X$ | 213.81793 | 311.48254 | 280.87900 | 7.44947 | 0.2719925 | 0.21423050 | 2.7661890 | 21 | 12 30.3 | 18.7 |
| 33874 2000 $JF_{53}$ | 13.9 | $X$ | 21.26646 | 105.27290 | 19.74827 | 12.93594 | 0.1311142 | 0.22322580 | 2.6913683 | 21 | — | — |
| 33875 Laurencooney | 15.4 | $X$ | 23.76436 | 222.48136 | 65.86751 | 7.19927 | 0.1209918 | 0.28855791 | 2.2680227 | 21 | 9 6.6 | 17.7 |
| 33876 2000 $JJ_{57}$ | 13.3 | $X$ | 358.87188 | 261.06348 | 72.70113 | 14.22132 | 0.2519872 | 0.19501251 | 2.9450617 | 21 | 9 30.7 | 16.3 |
| 33877 2000 $JR_{57}$ | 15.4 | $X$ | 143.59665 | 197.39511 | 137.74586 | 4.45245 | 0.2805984 | 0.25967693 | 2.4332149 | 21 | — | — |
| 33878 2000 $JW_{61}$ | 15.4 | $X$ | 205.90525 | 238.41979 | 64.29338 | 3.16385 | 0.1769882 | 0.31175020 | 2.1540952 | 21 | — | — |
| 33879 Kierstendeen | 15.3 | $X$ | 119.40465 | 264.14341 | 40.77313 | 3.60318 | 0.1651140 | 0.30111652 | 2.2045147 | 21 | — | — |
| 33880 2000 $JD_{65}$ | 14.8 | $X$ | 247.84921 | 61.11269 | 133.41164 | 7.83709 | 0.2301526 | 0.26149448 | 2.4219269 | 21 | — | — |
| 33881 2000 $JK_{66}$ | 14.3 | $X$ | 82.55031 | 218.84412 | 123.06715 | 11.16225 | 0.2914890 | 0.29936581 | 2.2131011 | 21 | — | — |
| 33882 2000 $JM_{74}$ | 15.7 | $X$ | 323.38551 | 341.04704 | 246.00545 | 6.23185 | 0.0685508 | 0.27708137 | 2.3302249 | 21 | 2 8.9 | 18.6 |
| 33883 2000 $KD_{4}$ | 15.0 | $X$ | 164.00024 | 44.35760 | 289.96861 | 1.70764 | 0.1930059 | 0.26223657 | 2.4173557 | 21 | 1 9.8 | 18.5 |
| 33884 2000 $KX_{9}$ | 16.5 | $X$ | 242.04843 | 220.86195 | 112.06817 | 0.15460 | 0.2309885 | 0.27412743 | 2.3469349 | 21 | 3 13.8 | 20.4 |
| 33885 2000 $KF_{16}$ | 15.7 | $X$ | 74.02139 | 83.66352 | 315.48464 | 0.50694 | 0.1736217 | 0.30915612 | 2.1661282 | 21 | — | — |
| 33886 Lilydeveau | 15.3 | $X$ | 315.71251 | 134.83094 | 149.06098 | 1.06786 | 0.0732436 | 0.23236373 | 2.6203371 | 21 | 4 26.5 | 18.4 |
| 33887 2000 $KF_{19}$ | 15.6 | $X$ | 289.81571 | 65.00005 | 290.37883 | 0.89186 | 0.2061372 | 0.28269520 | 2.2992724 | 21 | 6 3.1 | 18.4 |
| 33888 2000 $KG_{21}$ | 15.9 | $X$ | 171.47171 | 221.17869 | 117.70643 | 21.61452 | 0.1234777 | 0.36069497 | 1.9545314 | 21 | — | — |
| 33889 Jengebo | 15.4 | $X$ | 81.62958 | 237.45090 | 61.00029 | 6.51601 | 0.1814282 | 0.29569745 | 2.2313670 | 21 | 12 13.6 | 18.6 |
| 33890 2000 $KQ_{24}$ | 16.2 | $X$ | 150.64829 | 218.09628 | 84.60235 | 3.57926 | 0.2069103 | 0.25796592 | 2.4439623 | 21 | — | — |
| 33891 2000 $KS_{24}$ | 15.7 | $X$ | 152.87530 | 80.45724 | 215.15628 | 1.90499 | 0.1672670 | 0.25787885 | 2.4445123 | 21 | — | — |
| 33892 Meligingrich | 15.0 | $X$ | 125.73518 | 257.18503 | 60.95191 | 8.37018 | 0.1385827 | 0.21036006 | 2.8000161 | 21 | — | — |
| 33893 2000 $KB_{26}$ | 14.4 | $X$ | 229.97984 | 230.29461 | 157.72757 | 11.70282 | 0.1986204 | 0.23397219 | 2.6083141 | 21 | 5 18.5 | 18.8 |
| 33894 2000 $KM_{30}$ | 13.6 | $X$ | 236.14549 | 240.63582 | 75.11832 | 13.50966 | 0.1648386 | 0.17690397 | 3.1427584 | 21 | 3 7.9 | 18.9 |
| 33895 2000 $KM_{31}$ | 15.3 | $X$ | 219.47750 | 36.65327 | 259.97347 | 2.68850 | 0.1217350 | 0.31313105 | 2.1477577 | 21 | 1 2.8 | 18.3 |
| 33896 2000 $KL_{40}$ | 14.6 | $X$ | 29.59339 | 48.92983 | 109.79999 | 23.25056 | 0.0567062 | 0.36896064 | 1.9252303 | 21 | 1 26.5 | 16.1 |
| 33897 Erikagreen | 15.7 | $X$ | 228.59183 | 233.04413 | 88.99279 | 7.12038 | 0.1510521 | 0.27087956 | 2.3656576 | 21 | 2 22.5 | 19.4 |
| 33898 Kendra | 15.3 | $X$ | 287.76921 | 17.84612 | 296.30398 | 2.26908 | 0.1485545 | 0.23042569 | 2.6350091 | 21 | 4 15.9 | 19.1 |
| 33899 2000 $KE_{55}$ | 14.2 | $X$ | 277.76332 | 304.76689 | 72.38349 | 14.63289 | 0.1463039 | 0.23853185 | 2.5749678 | 21 | 6 27.7 | 17.6 |
| 33900 2000 $KS_{55}$ | 15.5 | $X$ | 236.26941 | 209.56436 | 103.56031 | 3.45279 | 0.2150656 | 0.26993683 | 2.3711623 | 21 | 2 14.9 | 19.5 |
| 33901 2000 $KJ_{56}$ | 14.4 | $X$ | 44.31790 | 291.74159 | 91.73493 | 10.85772 | 0.2061547 | 0.25396313 | 2.4695753 | 21 | — | — |
| 33902 Ingoldsby | 15.4 | $X$ | 323.16448 | 141.46761 | 156.99953 | 4.14221 | 0.1075728 | 0.28236261 | 2.3010775 | 21 | 5 20.5 | 17.8 |
| 33903 2000 $KH_{68}$ | 13.0 | $X$ | 216.23998 | 50.03300 | 248.71004 | 15.43834 | 0.3132831 | 0.21477242 | 2.7615339 | 21 | 1 15.5 | 18.4 |
| 33904 Janardhanan | 14.9 | $X$ | 217.96496 | 279.07737 | 203.76784 | 4.36334 | 0.0988848 | 0.24699651 | 2.5157965 | 21 | 9 10.8 | 18.6 |
| 33905 Leyajoykutty | 15.1 | $X$ | 75.74862 | 289.83313 | 191.21214 | 6.16227 | 0.0535756 | 0.27354018 | 2.3502928 | 21 | 3 8.6 | 17.7 |
| 33906 2000 $KL_{81}$ | 14.9 | $X$ | 354.75942 | 184.56612 | 153.46241 | 6.59321 | 0.2303500 | 0.28473330 | 2.2882872 | 21 | 10 7.9 | 16.2 |
| 33907 Christykrenek | 15.6 | $X$ | 294.10090 | 146.98514 | 155.00255 | 6.13699 | 0.1956658 | 0.27627952 | 2.3347314 | 21 | 3 29.6 | 18.6 |
| 33908 2000 $LL_{6}$ | 15.2 | $X$ | 25.64863 | 98.22828 | 93.08312 | 24.52121 | 0.0497168 | 0.36918007 | 1.9244674 | 21 | 4 2.1 | 17.7 |
| 33909 2000 $LU_{7}$ | 13.6 | $X$ | 95.92217 | 161.60036 | 233.50723 | 14.33831 | 0.2575470 | 0.21310207 | 2.7759455 | 21 | 1 21.6 | 17.4 |
| 33910 Lestarge | 15.4 | $X$ | 53.02148 | 242.43204 | 126.52316 | 4.27869 | 0.1576646 | 0.29998607 | 2.2100495 | 21 | — | — |
| 33911 2000 $LM_{11}$ | 13.6 | $X$ | 219.06706 | 269.42445 | 151.56767 | 15.35926 | 0.1711204 | 0.23386210 | 2.6091326 | 21 | 6 19.1 | 18.0 |
| 33912 Melissanoland | 14.4 | $X$ | 342.53977 | 167.85516 | 146.06434 | 6.74762 | 0.1773806 | 0.28239391 | 2.3009075 | 21 | 7 14.8 | 16.2 |
| 33913 2000 $LK_{14}$ | 14.2 | $X$ | 137.01372 | 176.40750 | 237.24720 | 11.23052 | 0.2231829 | 0.27087641 | 2.3656760 | 21 | 3 21.0 | 17.9 |
| 33914 2000 $LN_{14}$ | 13.5 | $X$ | 264.81047 | 285.39405 | 77.92362 | 16.70626 | 0.3063829 | 0.18456042 | 3.0552283 | 21 | 5 12.8 | 18.6 |
| 33915 2000 $LA_{15}$ | 15.4 | $X$ | 1.16422 | 118.25088 | 194.76465 | 4.79312 | 0.1894711 | 0.28616697 | 2.2806381 | 21 | 8 31.5 | 17.0 |
| 33916 2000 $LF_{19}$ | 14.6 | $X$ | 359.35105 | 118.51380 | 197.05442 | 7.02050 | 0.2510374 | 0.28348114 | 2.2950207 | 21 | 9 6.1 | 15.7 |
| 33917 Kellyoconnor | 15.0 | $X$ | 230.07731 | 198.48836 | 204.85633 | 7.31833 | 0.1150376 | 0.27764590 | 2.3270651 | 21 | 6 9.4 | 18.3 |
| 33918 Janiscoville | 14.5 | $X$ | 194.89100 | 93.00153 | 224.56649 | 7.30685 | 0.1281627 | 0.26270487 | 2.4144820 | 21 | 1 12.4 | 18.3 |
| 33919 2000 $LV_{19}$ | 14.6 | $X$ | 343.15547 | 126.30353 | 244.85633 | 11.07114 | 0.2068495 | 0.23939488 | 2.5687754 | 21 | 10 13.1 | 16.8 |
| 33920 Trivisonno | 14.9 | $X$ | 101.27479 | 69.51413 | 201.91659 | 5.21474 | 0.1696821 | 0.29247871 | 2.2477079 | 21 | 11 27.9 | 18.3 |

| Planet | H | G | M | ω | Ω | i | e | μ | a | TE | Oppos. | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 33921 2000 $LC_{21}$ | 13.6 | X | 341.12655 | 314.66809 | 280.97329 | 21.31234 | 0.0950957 | 0.17745581 | 3.1362396 | 21 | 3 21.7 | 18.2 |
| 33922 2000 $LB_{23}$ | 14.2 | X | 204.49282 | 329.68451 | 231.89032 | 8.03310 | 0.0738678 | 0.20356005 | 2.8620311 | 21 | 12 2.6 | 18.3 |
| 33923 Juliewarren | 15.6 | X | 18.32070 | 172.57020 | 113.88493 | 3.23338 | 0.1895559 | 0.23903082 | 2.5713831 | 21 | 8 24.4 | 17.9 |
| 33924 2000 $LS_{26}$ | 14.2 | X | 88.45301 | 171.41322 | 125.61920 | 3.70316 | 0.1125295 | 0.24534514 | 2.5270727 | 21 | 12 5.4 | 17.8 |
| 33925 2000 $LB_{27}$ | 14.3 | X | 225.02858 | 74.91984 | 262.04702 | 9.53897 | 0.2435663 | 0.26714932 | 2.3876280 | 21 | 2 28.7 | 18.6 |
| 33926 2000 $LC_{27}$ | 13.7 | X | 58.18102 | 206.96213 | 85.85766 | 7.64177 | 0.1974425 | 0.24095156 | 2.5576997 | 21 | 11 7.8 | 17.2 |
| 33927 2000 $LH_{27}$ | 15.8 | X | 133.43750 | 14.82167 | 277.84184 | 1.77989 | 0.1690871 | 0.29773146 | 2.2211927 | 21 | — | — |
| 33928 2000 $LJ_{27}$ | 14.7 | X | 351.12019 | 209.90334 | 118.90829 | 11.99369 | 0.2128436 | 0.23514211 | 2.5996554 | 21 | 9 1.3 | 16.9 |
| 33929 Lisaprato | 14.7 | X | 200.73524 | 72.39722 | 201.99629 | 2.12472 | 0.1604914 | 0.25734061 | 2.4479197 | 21 | — | — |
| 33930 2000 $LQ_{27}$ | 15.1 | X | 207.84932 | 116.82692 | 136.87661 | 3.90808 | 0.1626331 | 0.25597393 | 2.4566252 | 21 | — | — |
| 33931 2000 $LW_{28}$ | 15.1 | X | 334.18111 | 109.30373 | 221.18745 | 3.64228 | 0.1823159 | 0.28016208 | 2.3131110 | 21 | 7 22.1 | 16.9 |
| 33932 2000 $LZ_{28}$ | 13.9 | X | 263.48624 | 256.16832 | 124.82094 | 6.05436 | 0.1956187 | 0.18164236 | 3.0878625 | 21 | 6 10.9 | 18.6 |
| 33933 2000 $LE_{29}$ | 14.8 | X | 216.02054 | 196.75559 | 55.41764 | 1.08206 | 0.2124907 | 0.30472414 | 2.1870807 | 21 | — | — |
| 33934 2000 $LA_{30}$ | 15.7 | X | 207.38883 | 206.67834 | 106.63186 | 3.11145 | 0.2228999 | 0.26635895 | 2.3923489 | 21 | 1 23.1 | 19.8 |
| 33935 2000 $LH_{30}$ | 13.4 | X | 64.53876 | 262.78232 | 112.72520 | 22.47046 | 0.1432163 | 0.15863441 | 3.3796452 | 21 | — | — |
| 33936 Johnwells | 15.2 | X | 346.95178 | 68.17468 | 186.44739 | 3.78140 | 0.1971154 | 0.22861015 | 2.6489415 | 21 | 4 20.8 | 17.7 |
| 33937 2000 $LZ_{31}$ | 13.7 | X | 236.55091 | 80.18603 | 277.00750 | 10.07527 | 0.2131324 | 0.22366661 | 2.6878309 | 21 | 4 8.2 | 18.4 |
| 33938 2000 $LT_{33}$ | 14.7 | X | 357.99628 | 242.74945 | 83.87898 | 6.75497 | 0.1816260 | 0.28533724 | 2.2850572 | 21 | 9 22.7 | 16.5 |
| 33939 2000 $LO_{35}$ | 13.8 | X | 256.21593 | 216.36614 | 135.19886 | 19.66772 | 0.2327027 | 0.17889290 | 3.1194209 | 21 | 5 1.8 | 19.2 |
| 33940 2000 $LS_{35}$ | 14.7 | X | 119.67055 | 145.70482 | 219.85153 | 4.72859 | 0.1628003 | 0.25587190 | 2.4572781 | 21 | — | — |
| 33941 2000 $LX_{35}$ | 15.0 | X | 94.21647 | 64.28604 | 273.93652 | 0.60997 | 0.1216580 | 0.29792731 | 2.2202191 | 21 | — | — |
| 33942 2000 $LA_{36}$ | 15.4 | X | 237.64713 | 163.90123 | 157.89695 | 3.59445 | 0.2124904 | 0.26708589 | 2.3880061 | 21 | 2 25.9 | 19.1 |
| 33943 2000 $LE_{36}$ | 14.4 | X | 61.94262 | 83.03248 | 288.21571 | 4.02991 | 0.1212078 | 0.25697287 | 2.4502545 | 21 | — | — |
| 33944 2000 $MA$ | 14.8 | X | 97.54273 | 359.95438 | 251.70128 | 6.49206 | 0.2287807 | 0.28996783 | 2.2606648 | 21 | 11 1.4 | 18.5 |
| 33945 2000 $MR$ | 15.1 | X | 133.22219 | 318.29649 | 290.99280 | 27.10557 | 0.1716066 | 0.29530966 | 2.2333200 | 21 | 11 29.3 | 19.1 |
| 33946 2000 $MV$ | 15.6 | X | 142.61033 | 335.30130 | 294.34998 | 2.24742 | 0.0812829 | 0.30001328 | 2.2099158 | 21 | — | — |
| 33947 2000 $ML_1$ | 13.9 | X | 163.66840 | 246.05301 | 104.22351 | 14.24377 | 0.2323514 | 0.21345882 | 2.7728517 | 21 | 2 9.8 | 18.6 |
| 33948 2000 $MA_2$ | 15.6 | X | 129.26670 | 10.12770 | 312.55391 | 3.47058 | 0.1799871 | 0.30021238 | 2.2089386 | 21 | — | — |
| 33949 2000 $MP_4$ | 14.8 | X | 238.83337 | 343.53308 | 330.35381 | 4.73300 | 0.1406904 | 0.31590624 | 2.1351608 | 21 | 2 13.7 | 17.9 |
| 33950 2000 $MY_4$ | 15.3 | X | 241.45801 | 298.83653 | 23.62000 | 3.75492 | 0.2172332 | 0.26728421 | 2.3868247 | 21 | 3 3.1 | 19.2 |
| 33951 2000 $MD_5$ | 13.5 | X | 163.40541 | 207.12924 | 115.61802 | 7.51578 | 0.2092496 | 0.21014155 | 2.8019568 | 21 | 1 5.3 | 18.1 |
| 33952 2000 $ML_5$ | 13.7 | X | 236.70659 | 142.41600 | 144.58549 | 12.61726 | 0.0874326 | 0.26180203 | 2.4200298 | 21 | 1 17.2 | 17.2 |
| 33953 2000 $MM_6$ | 15.3 | X | 133.24508 | 73.98985 | 241.50229 | 3.98046 | 0.1940322 | 0.30105910 | 2.2047950 | 21 | — | — |
| 33954 2000 $ND$ | 15.7 | X | 359.84510 | 214.73897 | 206.34140 | 1.87522 | 0.1108015 | 0.29739556 | 2.2228649 | 21 | — | — |
| 33955 2000 $NC_3$ | 15.2 | X | 13.50667 | 248.92242 | 133.59333 | 3.89013 | 0.0419520 | 0.24730057 | 2.5137339 | 21 | 12 11.9 | 18.4 |
| 33956 2000 $NN_3$ | 13.3 | X | 277.14706 | 239.18363 | 122.97012 | 13.93621 | 0.2020897 | 0.23055077 | 2.6340559 | 21 | 6 2.2 | 17.3 |
| 33957 2000 $NG_5$ | 14.8 | X | 85.45792 | 30.89528 | 285.57256 | 3.14289 | 0.2069244 | 0.24428309 | 2.5343920 | 21 | — | — |
| 33958 Zaferiou | 14.7 | X | 34.70860 | 205.98466 | 121.72630 | 6.49135 | 0.1940704 | 0.28624454 | 2.2802261 | 21 | 11 30.6 | 17.5 |
| 33959 2000 $ND_6$ | 15.6 | X | 290.94772 | 177.70844 | 241.16051 | 4.16741 | 0.1192585 | 0.28687298 | 2.2768947 | 21 | 9 23.7 | 17.8 |
| 33960 2000 $NJ_9$ | 14.2 | X | 310.95947 | 38.06433 | 285.99713 | 1.56331 | 0.2950821 | 0.18298070 | 3.0727875 | 21 | 5 11.9 | 18.1 |
| 33961 Macinleyneve | 14.7 | X | 259.90201 | 168.23459 | 110.78533 | 3.27157 | 0.1904164 | 0.26319201 | 2.4115018 | 21 | 1 25.8 | 18.6 |
| 33962 2000 $NR_9$ | 13.7 | X | 244.90288 | 67.33098 | 219.24549 | 12.65486 | 0.1796046 | 0.22018811 | 2.7160649 | 21 | 1 24.4 | 18.5 |
| 33963 Moranhidalgo | 15.1 | X | 32.76362 | 223.27453 | 106.70520 | 7.92425 | 0.1589640 | 0.28930537 | 2.2641145 | 21 | 11 26.4 | 17.7 |
| 33964 2000 $NS_{10}$ | 15.0 | X | 258.45470 | 340.80987 | 354.32632 | 6.84124 | 0.1371338 | 0.27140009 | 2.3626319 | 21 | 4 6.4 | 18.3 |
| 33965 2000 $NY_{10}$ | 14.7 | X | 3.80212 | 260.32317 | 49.98020 | 1.82939 | 0.1523210 | 0.23621700 | 2.5917630 | 21 | 8 26.4 | 17.1 |
| 33966 2000 $NC_{11}$ | 14.8 | X | 19.30040 | 101.07656 | 287.90641 | 5.66096 | 0.1581285 | 0.29382459 | 2.2408388 | 21 | — | — |
| 33967 2000 $NO_{12}$ | 14.4 | X | 75.52200 | 47.93704 | 214.59313 | 10.66776 | 0.1075618 | 0.19217097 | 2.9740221 | 21 | 9 28.0 | 18.7 |
| 33968 2000 $NF_{13}$ | 15.4 | X | 344.60318 | 78.05178 | 226.30769 | 3.53702 | 0.1506713 | 0.27932730 | 2.3177173 | 21 | 7 5.2 | 17.1 |
| 33969 2000 $NM_{13}$ | 14.6 | X | 293.92345 | 133.24343 | 307.58702 | 22.06778 | 0.0726078 | 0.24155703 | 2.5534239 | 21 | 10 18.5 | 18.4 |
| 33970 2000 $NC_{14}$ | 14.2 | X | 2.92659 | 184.94066 | 150.27403 | 9.66718 | 0.1024297 | 0.19024588 | 2.9940511 | 21 | 9 21.9 | 17.9 |
| 33971 2000 $NL_{14}$ | 14.8 | X | 31.09223 | 301.38569 | 316.83388 | 5.30514 | 0.0826754 | 0.27991060 | 2.3144963 | 21 | 7 24.2 | 17.2 |
| 33972 2000 $NO_{15}$ | 15.3 | X | 211.68033 | 163.64875 | 106.51539 | 5.13685 | 0.1767102 | 0.30582943 | 2.1818080 | 21 | — | — |
| 33973 2000 $NS_{16}$ | 14.1 | X | 125.47026 | 283.23959 | 105.65115 | 10.05342 | 0.1734992 | 0.21165225 | 2.7886079 | 21 | 2 14.1 | 18.2 |
| 33974 2000 $ND_{17}$ | 14.8 | X | 97.82978 | 19.09234 | 20.91368 | 5.38950 | 0.1078894 | 0.25729656 | 2.4481991 | 21 | 1 1.7 | 17.6 |
| 33975 2000 $NF_{17}$ | 14.9 | X | 312.49539 | 193.65907 | 64.00072 | 4.45997 | 0.0507268 | 0.22183349 | 2.7026178 | 21 | 3 24.3 | 18.5 |
| 33976 2000 $NL_{19}$ | 15.3 | X | 64.15713 | 324.85373 | 289.68457 | 2.93972 | 0.1392512 | 0.28463932 | 2.2887909 | 21 | 9 17.7 | 18.0 |
| 33977 2000 $NY_{19}$ | 14.6 | X | 285.65036 | 215.19377 | 200.67035 | 3.47500 | 0.1855045 | 0.23529137 | 2.5985558 | 21 | 8 25.3 | 17.6 |
| 33978 2000 $NX_{20}$ | 15.2 | X | 110.18547 | 331.46412 | 317.60381 | 6.90816 | 0.1875419 | 0.29457689 | 2.2370221 | 21 | 12 28.9 | 18.8 |
| 33979 Sunhaochun | 14.4 | X | 278.73378 | 309.21620 | 96.85387 | 4.69171 | 0.1556735 | 0.28418631 | 2.2912226 | 21 | 8 11.4 | 17.0 |
| 33980 2000 $NW_{21}$ | 15.3 | X | 310.22679 | 165.78360 | 174.89267 | 1.68974 | 0.2198954 | 0.23265460 | 2.6181526 | 21 | 6 13.3 | 18.3 |
| 33981 2000 $NH_{22}$ | 14.3 | X | 170.68468 | 86.39055 | 249.11652 | 7.47157 | 0.2409067 | 0.21118205 | 2.7927456 | 21 | 1 25.9 | 19.2 |
| 33982 2000 $NQ_{23}$ | 14.0 | X | 331.28328 | 359.17186 | 316.40656 | 16.09095 | 0.2893197 | 0.23188545 | 2.6239389 | 21 | 6 2.3 | 16.8 |
| 33983 2000 $NV_{23}$ | 14.5 | X | 211.12980 | 172.46893 | 310.77959 | 7.08723 | 0.1754348 | 0.28393825 | 2.2925568 | 21 | 8 29.5 | 18.0 |
| 33984 2000 $NU_{24}$ | 14.4 | X | 36.31368 | 94.96872 | 278.28362 | 4.45258 | 0.2350277 | 0.24583770 | 2.5236961 | 21 | — | — |
| 33985 2000 $NG_{25}$ | 13.9 | X | 66.62764 | 123.82561 | 304.73323 | 11.83100 | 0.2137785 | 0.25695941 | 2.4503401 | 21 | — | — |
| 33986 2000 $NK_{25}$ | 15.7 | X | 291.83913 | 183.72995 | 100.11979 | 6.26944 | 0.2164120 | 0.27177098 | 2.3604819 | 21 | 3 2.1 | 19.1 |
| 33987 2000 $NV_{25}$ | 14.7 | X | 156.89034 | 41.09017 | 311.62010 | 4.58017 | 0.0568472 | 0.26141385 | 2.4224249 | 21 | 1 10.2 | 17.8 |
| 33988 2000 $NQ_{26}$ | 15.5 | X | 255.67457 | 74.04348 | 189.94257 | 2.01367 | 0.1948959 | 0.26440499 | 2.4041208 | 21 | 1 3.2 | 19.5 |
| 33989 2000 $NC_{27}$ | 15.3 | X | 124.05890 | 10.59220 | 49.11170 | 1.63061 | 0.0912820 | 0.31151098 | 2.1551978 | 21 | 2 22.2 | 17.6 |
| 33990 2000 $ND_{27}$ | 15.2 | X | 197.89806 | 309.49318 | 337.09785 | 2.08791 | 0.1847512 | 0.25904614 | 2.4371633 | 21 | — | — |
| 33991 Weixunjing | 15.3 | X | 244.35007 | 29.40532 | 265.32498 | 5.63723 | 0.1357910 | 0.26698249 | 2.3886226 | 21 | 1 31.1 | 19.0 |
| 33992 2000 $OQ$ | 14.5 | X | 319.32631 | 41.10040 | 311.47846 | 10.89016 | 0.1796131 | 0.23430389 | 2.6058518 | 21 | 7 25.9 | 17.0 |
| 33993 2000 $OS$ | 14.1 | X | 350.84084 | 224.74105 | 123.28867 | 11.63155 | 0.1827835 | 0.23793735 | 2.5792552 | 21 | 10 3.4 | 16.7 |
| 33994 Regidufour | 15.4 | X | 300.85774 | 61.52569 | 317.18036 | 4.49704 | 0.0358974 | 0.28401164 | 2.2921619 | 21 | 8 23.4 | 18.1 |
| 33995 2000 $OV_1$ | 16.5 | X | 81.05392 | 141.97291 | 186.09437 | 2.05810 | 0.1582311 | 0.29493781 | 2.2351967 | 21 | — | — |
| 33996 2000 $OK_2$ | 15.0 | X | 55.00517 | 140.31000 | 244.99720 | 0.74079 | 0.1823972 | 0.20219961 | 2.8748543 | 21 | — | — |
| 33997 2000 $OK_3$ | 12.5 | X | 338.58570 | 300.42453 | 282.32210 | 13.97367 | 0.0797437 | 0.17396478 | 3.1780581 | 21 | 3 8.5 | 17.0 |
| 33998 2000 $OW_3$ | 15.4 | X | 174.12736 | 71.89943 | 219.61115 | 4.62927 | 0.1540088 | 0.30290461 | 2.1958304 | 21 | — | — |
| 33999 2000 $OG_4$ | 14.2 | X | 270.81027 | 193.70727 | 192.23828 | 10.62522 | 0.1298065 | 0.18342899 | 3.0677790 | 21 | 7 2.7 | 18.8 |
| 34000 Martinmatl | 14.3 | X | 65.57727 | 72.44561 | 226.97520 | 5.12650 | 0.1845841 | 0.24238957 | 2.5475738 | 21 | 11 21.0 | 18.0 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 34001 2000 $OR_5$ | 13.6 | $X$ | 350.23088 | 75.11386 | 319.31438 | 23.14518 | 0.1510431 | 0.19314223 | 2.9640434 | 21 | 11 11.1 | 17.6 |
| 34002 Movsesian | 14.8 | $X$ | 158.19695 | 299.14786 | 238.11054 | 5.65259 | 0.0515748 | 0.28422951 | 2.2909904 | 21 | 9 17.7 | 17.9 |
| 34003 Ivozell | 14.0 | $X$ | 97.95944 | 253.21194 | 173.78972 | 9.58769 | 0.0737667 | 0.26303393 | 2.4124678 | 21 | 1 29.9 | 17.0 |
| 34004 Gregorini | 14.2 | $X$ | 148.05404 | 8.67455 | 325.39847 | 1.85852 | 0.2271697 | 0.25769306 | 2.4456872 | 21 | — | — |
| 34005 2000 $OY_7$ | 13.8 | $X$ | 313.01546 | 52.45901 | 309.04034 | 11.47440 | 0.1619069 | 0.18429977 | 3.0581083 | 21 | 7 27.5 | 17.3 |
| 34006 2000 $OQ_9$ | 14.7 | $X$ | 54.20652 | 30.50025 | 291.80615 | 12.04467 | 0.1696994 | 0.24391215 | 2.5369608 | 21 | 12 4.6 | 18.3 |
| 34007 2000 $OS_{11}$ | 14.8 | $X$ | 274.25676 | 53.08868 | 260.31924 | 2.76297 | 0.2017970 | 0.22537608 | 2.6742223 | 21 | 3 24.3 | 19.0 |
| 34008 2000 $OB_{12}$ | 15.4 | $X$ | 257.72499 | 61.19561 | 275.37184 | 1.40671 | 0.2329013 | 0.27206160 | 2.3588005 | 21 | 3 30.9 | 19.1 |
| 34009 2000 $OX_{12}$ | 15.9 | $X$ | 238.72690 | 284.82829 | 329.30520 | 0.99462 | 0.1577064 | 0.26187158 | 2.4196013 | 21 | — | — |
| 34010 Tassiloschwarz | 15.1 | $X$ | 309.23438 | 77.94474 | 283.00894 | 2.72765 | 0.1560532 | 0.28156956 | 2.3053963 | 21 | 7 23.5 | 17.3 |
| 34011 Divyakranthi | 14.8 | $X$ | 243.68588 | 18.31973 | 260.84215 | 1.71176 | 0.1739652 | 0.26494188 | 2.4008718 | 21 | 1 11.9 | 18.6 |
| 34012 Prashaant | 15.6 | $X$ | 331.84920 | 343.52547 | 265.98828 | 3.45040 | 0.1236472 | 0.27281547 | 2.3544532 | 21 | 3 17.8 | 18.1 |
| 34013 2000 $OG_{15}$ | 15.0 | $X$ | 354.54995 | 63.74384 | 318.88522 | 4.09920 | 0.2154663 | 0.24166187 | 2.5526854 | 21 | 11 30.9 | 17.4 |
| 34014 Pingali | 15.1 | $X$ | 36.94373 | 146.91435 | 156.85405 | 2.18597 | 0.1039335 | 0.23982813 | 2.5656808 | 21 | 10 8.5 | 18.1 |
| 34015 2000 $OR_{16}$ | 15.9 | $X$ | 341.65668 | 6.90737 | 242.72448 | 1.66457 | 0.1737857 | 0.27447894 | 2.3449308 | 21 | 3 27.7 | 17.9 |
| 34016 Chaitanya | 15.3 | $X$ | 62.47978 | 203.75621 | 150.32261 | 2.78499 | 0.1624854 | 0.29487461 | 2.2355161 | 21 | — | — |
| 34017 Geeve | 14.9 | $X$ | 148.13129 | 261.96508 | 96.45282 | 1.75902 | 0.0826212 | 0.21296078 | 2.7771732 | 21 | 1 19.8 | 18.8 |
| 34018 2000 $OK_{19}$ | 14.0 | $X$ | 22.61488 | 351.29308 | 358.19075 | 14.15311 | 0.0910388 | 0.23878562 | 2.5731431 | 21 | 11 9.8 | 17.4 |
| 34019 2000 $OU_{19}$ | 14.3 | $X$ | 312.25328 | 276.73615 | 135.67888 | 15.74990 | 0.0959197 | 0.24186437 | 2.5512604 | 21 | 10 26.2 | 17.5 |
| 34020 2000 $ON_{21}$ | 13.8 | $X$ | 164.09224 | 275.59118 | 146.39271 | 20.19407 | 0.2308346 | 0.26876145 | 2.3780706 | 21 | 5 7.1 | 18.2 |
| 34021 Suhanijain | 15.0 | $X$ | 42.40456 | 263.99854 | 44.28485 | 2.43334 | 0.0982098 | 0.28963408 | 2.2624011 | 21 | 10 29.2 | 17.5 |
| 34022 2000 $OY_{23}$ | 14.2 | $X$ | 306.22797 | 234.68613 | 108.67572 | 2.06788 | 0.2992730 | 0.18561559 | 3.0436386 | 21 | 5 30.4 | 18.0 |
| 34023 2000 $OH_{24}$ | 14.9 | $X$ | 20.66213 | 337.52746 | 345.81527 | 4.93026 | 0.2745843 | 0.23984672 | 2.5655483 | 21 | 11 3.7 | 17.5 |
| 34024 Cormaclarkin | 14.8 | $X$ | 135.50928 | 302.85004 | 48.59624 | 3.75310 | 0.1954733 | 0.25739157 | 2.4475966 | 21 | 1 2.4 | 18.1 |
| 34025 Caolannbrady | 15.0 | $X$ | 32.07077 | 291.20170 | 80.08504 | 5.01636 | 0.1639472 | 0.29448513 | 2.2374868 | 21 | — | — |
| 34026 Valpagliarino | 14.6 | $X$ | 199.19987 | 335.23728 | 12.91315 | 2.68999 | 0.1981875 | 0.26539396 | 2.3981446 | 21 | 2 27.4 | 18.4 |
| 34027 2000 $OL_{25}$ | 15.7 | $X$ | 248.31205 | 308.34546 | 356.48590 | 2.12102 | 0.0544286 | 0.31490758 | 2.1396725 | 21 | 2 16.1 | 18.1 |
| 34028 Wuhuiyi | 15.3 | $X$ | 127.27780 | 139.37376 | 92.91512 | 4.05045 | 0.1141582 | 0.29182498 | 2.2510635 | 21 | 11 1.7 | 18.6 |
| 34029 2000 $OX_{25}$ | 14.2 | $X$ | 287.41763 | 210.75403 | 339.93016 | 6.06352 | 0.0056791 | 0.21077431 | 2.7963461 | 21 | — | — |
| 34030 Tabuchi | 14.9 | $X$ | 9.99116 | 262.71789 | 104.98137 | 5.51191 | 0.1315567 | 0.24324728 | 2.5415816 | 21 | 11 28.5 | 17.7 |
| 34031 Fukumitsu | 15.1 | $X$ | 212.47725 | 74.72471 | 201.27626 | 2.07565 | 0.1731401 | 0.25983071 | 2.4322548 | 21 | — | — |
| 34032 2000 $OC_{27}$ | 14.2 | $X$ | 246.64412 | 268.61638 | 150.17861 | 11.08093 | 0.1643453 | 0.23142928 | 2.6273858 | 21 | 7 13.2 | 18.3 |
| 34033 2000 $OH_{27}$ | 13.7 | $X$ | 330.34715 | 16.45797 | 306.66285 | 8.30111 | 0.0883354 | 0.18488087 | 3.0516969 | 21 | 7 12.5 | 17.6 |
| 34034 Shehadeh | 14.8 | $X$ | 315.01315 | 336.65960 | 337.92085 | 0.88714 | 0.1780328 | 0.22923219 | 2.6441473 | 21 | 5 21.5 | 17.8 |
| 34035 2000 $OV_{27}$ | 13.6 | $X$ | 61.75867 | 188.50450 | 148.35764 | 15.87070 | 0.1380039 | 0.24426592 | 2.5345107 | 21 | 12 28.5 | 17.5 |
| 34036 2000 $OX_{27}$ | 13.3 | $X$ | 210.78017 | 140.76994 | 337.53562 | 23.23850 | 0.2138551 | 0.27966777 | 2.3158358 | 21 | 8 23.9 | 17.1 |
| 34037 2000 $OZ_{27}$ | 14.1 | $X$ | 319.57368 | 157.63384 | 146.75706 | 15.24931 | 0.1086081 | 0.22898280 | 2.6460669 | 21 | 5 29.7 | 17.6 |
| 34038 Abualragheb | 15.3 | $X$ | 98.26373 | 44.42117 | 181.91311 | 4.51516 | 0.1044021 | 0.28493101 | 2.2872286 | 21 | 9 18.7 | 18.3 |
| 34039 Torsteinvik | 14.5 | $X$ | 76.08795 | 137.21176 | 261.01533 | 5.54748 | 0.0927826 | 0.25594418 | 2.4568155 | 21 | — | — |
| 34040 2000 $OX_{30}$ | 14.4 | $X$ | 117.73769 | 128.61538 | 277.72355 | 7.81201 | 0.1617335 | 0.21377045 | 2.7701563 | 21 | 2 19.4 | 18.4 |
| 34041 2000 $OD_{31}$ | 14.5 | $X$ | 337.74750 | 240.98297 | 164.31198 | 13.66777 | 0.1705374 | 0.24211061 | 2.5495302 | 21 | 11 28.6 | 17.2 |
| 34042 Espeseth | 15.7 | $X$ | 51.41214 | 118.84743 | 218.45071 | 2.46193 | 0.1107565 | 0.29194471 | 2.2504480 | 21 | 12 22.4 | 18.4 |
| 34043 2000 $OS_{31}$ | 14.3 | $X$ | 205.59414 | 132.96880 | 170.35728 | 13.08242 | 0.1440972 | 0.21498410 | 2.7597209 | 21 | 1 13.8 | 19.0 |
| 34044 Obafial | 15.2 | $X$ | 112.84894 | 328.19561 | 258.26546 | 5.13149 | 0.0663977 | 0.28670704 | 2.2777732 | 21 | 9 30.4 | 18.3 |
| 34045 2000 $OD_{34}$ | 14.3 | $X$ | 271.21315 | 231.75499 | 219.64255 | 5.91019 | 0.2670940 | 0.23787457 | 2.5797089 | 21 | 9 8.2 | 17.8 |
| 34046 2000 $OQ_{34}$ | 14.2 | $X$ | 327.78108 | 113.02847 | 187.48313 | 10.10991 | 0.0604747 | 0.18398206 | 3.0616279 | 21 | 6 10.9 | 18.4 |
| 34047 Gloria | 15.0 | $X$ | 150.41463 | 132.14665 | 286.40884 | 5.33088 | 0.1317273 | 0.26563551 | 2.3966905 | 21 | 4 2.9 | 18.6 |
| 34048 2000 $OR_{35}$ | 15.8 | $X$ | 118.39884 | 356.27685 | 358.46187 | 7.86354 | 0.2605844 | 0.29970357 | 2.2114380 | 21 | — | — |
| 34049 Myrelleangela | 14.7 | $X$ | 61.13149 | 204.64394 | 226.90322 | 5.66576 | 0.1394940 | 0.20981430 | 2.8048695 | 21 | 1 1.1 | 17.9 |
| 34050 2000 $OU_{36}$ | 14.2 | $X$ | 167.91760 | 113.73891 | 277.23563 | 11.65439 | 0.1515347 | 0.21808623 | 2.7334883 | 21 | 3 19.7 | 18.8 |
| 34051 2000 $OK_{37}$ | 14.9 | $X$ | 317.34091 | 156.45906 | 172.25427 | 12.83431 | 0.2217200 | 0.18531413 | 3.0469385 | 21 | 6 11.2 | 18.8 |
| 34052 2000 $OL_{37}$ | 13.1 | $X$ | 200.01904 | 236.75562 | 153.22615 | 22.21147 | 0.0806655 | 0.22427738 | 2.6829489 | 21 | 4 29.6 | 17.5 |
| 34053 Carlquines | 14.1 | $X$ | 16.45311 | 156.36514 | 234.60785 | 8.10636 | 0.1154267 | 0.19737402 | 2.9215236 | 21 | 12 24.1 | 17.8 |
| 34054 2000 $OE_{39}$ | 14.5 | $X$ | 324.12929 | 94.67689 | 249.68291 | 9.76491 | 0.1247680 | 0.18614252 | 3.0378919 | 21 | 7 24.1 | 18.4 |
| 34055 2000 $OU_{41}$ | 14.3 | $X$ | 257.41168 | 230.82588 | 190.31723 | 12.88192 | 0.1453177 | 0.23483657 | 2.6019098 | 21 | 7 29.1 | 18.2 |
| 34056 2000 $OJ_{42}$ | 14.6 | $X$ | 314.24420 | 99.06933 | 181.64858 | 10.08369 | 0.1207812 | 0.22487971 | 2.6781560 | 21 | 4 14.7 | 18.0 |
| 34057 2000 $ON_{44}$ | 13.8 | $X$ | 349.22128 | 199.41773 | 171.52766 | 13.45427 | 0.1677591 | 0.23751489 | 2.5823127 | 21 | 10 31.3 | 16.4 |
| 34058 2000 $OT_{44}$ | 13.7 | $X$ | 75.88128 | 1.85274 | 317.88629 | 12.36119 | 0.1925992 | 0.24420566 | 2.5349277 | 21 | 12 28.7 | 17.7 |
| 34059 2000 $OS_{45}$ | 14.1 | $X$ | 313.65025 | 119.28761 | 212.66727 | 10.33401 | 0.1503387 | 0.18286280 | 3.0741081 | 21 | 6 19.0 | 18.1 |
| 34060 2000 $OZ_{45}$ | 12.9 | $X$ | 140.96281 | 61.61294 | 293.73208 | 7.81118 | 0.1655935 | 0.20852553 | 2.8164145 | 21 | 1 18.4 | 17.0 |
| 34061 2000 $OC_{48}$ | 13.9 | $X$ | 30.46597 | 234.47305 | 347.37703 | 8.38328 | 0.0510577 | 0.26958415 | 2.3732299 | 21 | 5 21.5 | 16.7 |
| 34062 2000 $OD_{48}$ | 13.4 | $X$ | 304.26133 | 356.88177 | 13.02324 | 6.35969 | 0.2399460 | 0.18233937 | 3.0799884 | 21 | 7 13.0 | 17.3 |
| 34063 Mariamakarova | 14.5 | $X$ | 344.04984 | 300.82428 | 16.59638 | 5.15299 | 0.1985856 | 0.27828773 | 2.3234858 | 21 | 7 26.7 | 16.0 |
| 34064 2000 $OK_{51}$ | 13.6 | $X$ | 314.31033 | 78.27911 | 240.86941 | 10.43900 | 0.2867229 | 0.18268858 | 3.0760622 | 21 | 5 11.9 | 17.4 |
| 34065 2000 $OD_{52}$ | 14.0 | $X$ | 122.79261 | 300.71116 | 16.65903 | 15.27562 | 0.1379304 | 0.24574594 | 2.5243243 | 21 | — | — |
| 34066 2000 $OS_{52}$ | 13.8 | $X$ | 293.49215 | 264.40661 | 90.02187 | 2.40015 | 0.1367757 | 0.17859306 | 3.1229114 | 21 | 6 21.6 | 18.0 |
| 34067 2000 $OA_{55}$ | 14.4 | $X$ | 105.49551 | 221.34841 | 156.11780 | 1.04170 | 0.1689951 | 0.16289120 | 3.3205063 | 21 | 1 14.6 | 19.1 |
| 34068 2000 $OB_{56}$ | 15.1 | $X$ | 31.54270 | 1.73541 | 285.46257 | 0.33707 | 0.1625070 | 0.19062206 | 2.9901108 | 21 | 9 8.9 | 18.6 |
| 34069 2000 $OZ_{56}$ | 14.0 | $X$ | 109.97621 | 131.16179 | 334.41175 | 8.54105 | 0.0653355 | 0.17525953 | 3.1623865 | 21 | 4 15.9 | 18.7 |
| 34070 2000 $OK_{57}$ | 14.2 | $X$ | 183.88699 | 276.84240 | 125.16114 | 11.19330 | 0.1554066 | 0.17517498 | 3.1633523 | 21 | 4 30.6 | 19.5 |
| 34071 2000 $OT_{57}$ | 15.3 | $X$ | 77.99734 | 334.92237 | 127.13278 | 8.58508 | 0.1735881 | 0.26355255 | 2.4093020 | 21 | 3 8.0 | 17.7 |
| 34072 2000 $OU_{58}$ | 15.7 | $X$ | 192.44151 | 178.07288 | 1.77408 | 1.98685 | 0.0708498 | 0.29048046 | 2.2580043 | 21 | 11 4.2 | 18.5 |
| 34073 2000 $OW_{58}$ | 15.1 | $X$ | 262.95004 | 120.68115 | 140.49862 | 3.37692 | 0.1133740 | 0.21685934 | 2.7437885 | 21 | 1 19.3 | 19.2 |
| 34074 2000 $OG_{59}$ | 15.5 | $X$ | 87.16111 | 273.18392 | 183.95327 | 1.90498 | 0.1428765 | 0.26403987 | 2.4063366 | 21 | 3 8.3 | 17.9 |
| 34075 2000 $OE_{60}$ | 14.1 | $X$ | 216.37266 | 173.94487 | 168.19289 | 4.72328 | 0.1265518 | 0.17224679 | 3.1991551 | 21 | 3 16.7 | 19.3 |
| 34076 2000 $OK_{60}$ | 15.3 | $X$ | 279.76059 | 306.40624 | 329.42894 | 2.45676 | 0.1869364 | 0.22099702 | 2.7094331 | 21 | 2 15.4 | 19.2 |
| 34077 Yoshiakifuse | 15.0 | $X$ | 168.32179 | 198.97814 | 100.95479 | 4.15415 | 0.0698509 | 0.21022095 | 2.8012512 | 21 | — | — |
| 34078 2000 $PF$ | 14.1 | $X$ | 28.95389 | 33.11895 | 294.71168 | 13.88073 | 0.2139958 | 0.23756755 | 2.5819310 | 21 | 11 10.6 | 17.5 |
| 34079 Samoylova | 14.7 | $X$ | 204.41880 | 331.50233 | 62.01280 | 6.77759 | 0.1278468 | 0.27007626 | 2.3703461 | 21 | 4 30.1 | 18.2 |
| 34080 Clarakeng | 15.2 | $X$ | 254.76742 | 283.52873 | 39.89108 | 2.63496 | 0.0923448 | 0.22171026 | 2.7036192 | 21 | 3 30.2 | 19.0 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 34081 Chowkitmun | 14.6 | X | 344.59842 | 237.53157 | 44.95918 | 7.10706 | 0.1064948 | 0.27645863 | 2.3337229 | 21 | 6 2.3 | 16.9 |
| 34082 2000 $PL_2$ | 13.5 | X | 271.01852 | 288.04847 | 152.07108 | 10.52002 | 0.1223105 | 0.18444860 | 3.0564630 | 21 | 9 14.3 | 17.6 |
| 34083 Feretova | 15.2 | X | 3.52526 | 75.05064 | 305.51196 | 6.37989 | 0.1859910 | 0.24310209 | 2.5425934 | 21 | 12 12.0 | 17.8 |
| 34084 2000 $PM_4$ | 14.8 | X | 119.15368 | 135.77701 | 132.26691 | 11.38470 | 0.0440138 | 0.24595909 | 2.5228657 | 21 | 11 30.1 | 18.5 |
| 34085 2000 $PE_5$ | 15.2 | X | 301.29797 | 149.10505 | 128.31504 | 3.12428 | 0.0438492 | 0.22482028 | 2.6786279 | 21 | 4 4.1 | 18.8 |
| 34086 2000 $PP_5$ | 14.4 | X | 237.05671 | 110.30344 | 319.64039 | 6.07031 | 0.0771872 | 0.27909015 | 2.3190301 | 21 | 7 30.0 | 17.3 |
| 34087 2000 $PA_7$ | 14.5 | X | 59.15131 | 151.77094 | 247.71515 | 0.92829 | 0.0916087 | 0.20427315 | 2.8553665 | 21 | — | — |
| 34088 Satokosuka | 15.4 | X | 66.65652 | 152.16340 | 205.82022 | 1.25793 | 0.0802926 | 0.29658686 | 2.2269037 | 21 | — | — |
| 34089 Smoter | 14.9 | X | 306.30906 | 291.20161 | 174.78122 | 2.31332 | 0.1037054 | 0.24487839 | 2.5302829 | 21 | 12 23.4 | 17.5 |
| 34090 Cewhang | 15.5 | X | 166.99915 | 164.54354 | 58.12215 | 5.89264 | 0.0718267 | 0.29113333 | 2.2546273 | 21 | 12 1.3 | 18.6 |
| 34091 2000 $PQ_{10}$ | 13.8 | X | 316.27342 | 252.78974 | 103.33082 | 11.73842 | 0.1439153 | 0.18451292 | 3.0557527 | 21 | 7 28.5 | 17.5 |
| 34092 2000 $PF_{11}$ | 14.4 | X | 244.04178 | 74.83011 | 93.35591 | 11.88488 | 0.0936767 | 0.24540033 | 2.5266939 | 21 | 12 13.8 | 17.5 |
| 34093 2000 $PP_{11}$ | 14.0 | X | 267.43491 | 299.41266 | 102.50820 | 12.37418 | 0.1938466 | 0.22902556 | 2.6457375 | 21 | 7 11.8 | 17.7 |
| 34094 2000 $PV_{11}$ | 14.4 | X | 337.17209 | 161.75474 | 116.34647 | 14.49337 | 0.1372166 | 0.22596773 | 2.6695523 | 21 | 5 19.5 | 17.7 |
| 34095 2000 $PW_{11}$ | 13.9 | X | 19.67765 | 158.13258 | 118.05355 | 14.52802 | 0.1646171 | 0.23148327 | 2.6269772 | 21 | 8 7.5 | 16.5 |
| 34096 2000 $PC_{12}$ | 13.8 | X | 243.95185 | 260.13584 | 121.50899 | 17.02526 | 0.1075832 | 0.17732279 | 3.1378078 | 21 | 6 3.9 | 18.8 |
| 34097 2000 $PD_{12}$ | 13.4 | X | 109.31881 | 359.05912 | 136.42288 | 22.77390 | 0.0350100 | 0.17462059 | 3.1700960 | 21 | 5 28.7 | 18.4 |
| 34098 2000 $PM_{12}$ | 13.4 | X | 226.10209 | 298.33965 | 84.34138 | 10.45855 | 0.0994642 | 0.17521955 | 3.1628676 | 21 | 5 16.5 | 18.2 |
| 34099 2000 $PT_{12}$ | 14.2 | X | 321.52841 | 146.07175 | 257.33620 | 8.50208 | 0.0172911 | 0.19272897 | 2.9682790 | 21 | 10 14.9 | 18.3 |
| 34100 Thapa | 14.8 | X | 195.69065 | 252.24585 | 134.73283 | 6.76981 | 0.1356536 | 0.27019109 | 2.3696745 | 21 | 4 14.5 | 18.5 |
| 34101 Hesrivastava | 15.0 | X | 3.21942 | 15.47743 | 258.11584 | 6.10377 | 0.1035444 | 0.27628105 | 2.3347228 | 21 | 6 26.0 | 17.0 |
| 34102 Shawnzhang | 14.8 | X | 311.28046 | 224.32527 | 140.04940 | 2.69180 | 0.0524551 | 0.18798336 | 3.0180269 | 21 | 8 11.2 | 18.8 |
| 34103 Suganthkannan | 14.6 | X | 28.78046 | 312.74161 | 43.35060 | 2.53410 | 0.1052839 | 0.19697391 | 2.9254785 | 21 | 11 26.3 | 18.3 |
| 34104 Jeremiahpate | 14.8 | X | 260.81944 | 287.02249 | 342.73959 | 8.90911 | 0.0551835 | 0.21576673 | 2.7530435 | 21 | 2 4.0 | 18.8 |
| 34105 2000 $PD_{20}$ | 14.0 | X | 273.60443 | 359.21747 | 349.85627 | 14.13777 | 0.1507253 | 0.22675277 | 2.6633872 | 21 | 5 10.0 | 18.1 |
| 34106 Sakhrani | 14.6 | X | 320.69548 | 347.08788 | 319.34478 | 3.83189 | 0.1978493 | 0.27805733 | 2.3247690 | 21 | 5 10.2 | 16.9 |
| 34107 Kashfiarahman | 14.8 | X | 327.59472 | 199.63628 | 83.01136 | 2.51403 | 0.1710947 | 0.18240059 | 3.0792992 | 21 | 5 4.3 | 18.6 |
| 34108 2000 $PN_{23}$ | 14.6 | X | 3.47607 | 228.01947 | 142.22186 | 1.22285 | 0.2443353 | 0.19235694 | 2.9721049 | 21 | 11 22.1 | 17.4 |
| 34109 2000 $PX_{23}$ | 14.9 | X | 279.52821 | 251.09433 | 1.93284 | 2.08174 | 0.1766815 | 0.26502491 | 2.4003704 | 21 | 1 13.1 | 18.6 |
| 34110 2000 $PX_{24}$ | 14.1 | X | 323.03254 | 249.72648 | 132.68573 | 10.17112 | 0.1572676 | 0.18551498 | 3.0447389 | 21 | 9 15.3 | 17.6 |
| 34111 2000 $PZ_{24}$ | 13.2 | X | 188.57932 | 261.72602 | 138.33413 | 10.00720 | 0.1271188 | 0.17038719 | 3.2223898 | 21 | 5 1.8 | 18.5 |
| 34112 2000 $PC_{25}$ | 13.8 | X | 259.17288 | 134.03612 | 155.76014 | 16.71775 | 0.0631219 | 0.16829814 | 3.2490009 | 21 | 3 3.4 | 18.6 |
| 34113 2000 $PL_{25}$ | 15.4 | X | 278.66206 | 30.29326 | 135.36884 | 6.19830 | 0.0537069 | 0.29836781 | 2.2180333 | 21 | — | — |
| 34114 2000 $PU_{26}$ | 13.6 | X | 334.17929 | 167.18689 | 256.06967 | 9.64650 | 0.0769969 | 0.19137123 | 2.9823020 | 21 | 11 27.9 | 17.3 |
| 34115 2000 $PV_{26}$ | 13.8 | X | 92.68323 | 14.23601 | 291.71856 | 11.40112 | 0.1803563 | 0.24262278 | 2.5459410 | 21 | 12 25.6 | 17.8 |
| 34116 2000 $PW_{26}$ | 13.0 | X | 12.89729 | 80.49999 | 273.09505 | 10.98994 | 0.0208048 | 0.18826792 | 3.0149851 | 21 | 10 17.3 | 17.3 |
| 34117 2000 $PA_{27}$ | 14.8 | X | 278.68585 | 238.78997 | 254.63374 | 1.94536 | 0.0581198 | 0.24488393 | 2.5302447 | 21 | 12 20.9 | 17.9 |
| 34118 2000 $PC_{27}$ | 15.2 | X | 87.19348 | 124.75328 | 311.42151 | 4.34314 | 0.0075920 | 0.30705920 | 2.1759787 | 21 | 1 10.6 | 17.5 |
| 34119 2000 $PY_{27}$ | 12.5 | X | 168.70870 | 182.49900 | 275.92096 | 28.46395 | 0.1495974 | 0.17418396 | 3.1753915 | 21 | 6 20.4 | 17.7 |
| 34120 2000 $PL_{28}$ | 15.0 | X | 129.07189 | 32.71722 | 94.93967 | 7.61222 | 0.1456435 | 0.27092255 | 2.3654074 | 21 | 6 15.2 | 18.2 |
| 34121 2000 $PJ_{29}$ | 14.6 | X | 210.22694 | 284.38447 | 101.13447 | 10.17012 | 0.0819492 | 0.22321961 | 2.6914180 | 21 | 5 3.1 | 18.8 |
| 34122 2000 $PQ_{29}$ | 15.2 | X | 36.91754 | 216.53098 | 96.84183 | 10.12890 | 0.2046448 | 0.28657500 | 2.2784728 | 21 | 11 17.3 | 17.9 |
| 34123 Uedayukika | 13.6 | X | 202.60318 | 156.43021 | 127.26966 | 7.91723 | 0.2042558 | 0.20936960 | 2.8088398 | 21 | — | — |
| 34124 2000 $QS$ | 15.1 | X | 242.56956 | 112.28453 | 198.74286 | 2.23047 | 0.1620117 | 0.26547079 | 2.3976818 | 21 | 2 18.6 | 18.8 |
| 34125 2000 $QZ$ | 14.8 | X | 208.66079 | 245.69859 | 161.14957 | 1.71950 | 0.1708570 | 0.17508400 | 3.1644998 | 21 | 5 23.8 | 20.0 |
| 34126 2000 $QA_1$ | 14.7 | X | 177.91929 | 196.40844 | 179.00596 | 1.05700 | 0.1651309 | 0.21520801 | 2.7578063 | 21 | 3 17.3 | 18.9 |
| 34127 Adamnayak | 15.4 | X | 211.38741 | 42.55353 | 326.63834 | 2.92045 | 0.0998678 | 0.22134682 | 2.7065779 | 21 | 4 7.9 | 19.5 |
| 34128 Hannahbrown | 14.1 | X | 27.82703 | 330.43576 | 326.31895 | 9.32590 | 0.0976185 | 0.18930776 | 3.0039343 | 21 | 9 5.5 | 17.8 |
| 34129 Madisonsneve | 14.5 | X | 110.76200 | 8.05553 | 328.31527 | 1.17293 | 0.0692881 | 0.20288789 | 2.8683489 | 21 | — | — |
| 34130 Isabellaivy | 14.9 | X | 16.32125 | 288.78147 | 344.81853 | 6.17288 | 0.1091549 | 0.27831117 | 2.3233553 | 21 | 7 24.9 | 17.2 |
| 34131 2000 $QY_3$ | 15.4 | X | 82.11795 | 99.59117 | 153.22566 | 6.06502 | 0.0652040 | 0.28361770 | 2.2942839 | 21 | 10 1.6 | 18.3 |
| 34132 Theoguerin | 15.5 | X | 137.77857 | 88.59668 | 176.15551 | 2.99884 | 0.1649226 | 0.29382929 | 2.2408149 | 21 | 12 22.4 | 18.9 |
| 34133 Charlesfenske | 14.6 | X | 349.44029 | 85.86565 | 330.80351 | 2.15402 | 0.0266786 | 0.19718640 | 2.9233765 | 21 | 12 10.5 | 18.6 |
| 34134 Zlokapa | 15.5 | X | 300.10082 | 0.74105 | 19.27911 | 0.65617 | 0.0873481 | 0.23247162 | 2.6195263 | 21 | 8 14.3 | 18.4 |
| 34135 Rahulsubra | 15.0 | X | 303.82896 | 102.88023 | 178.99893 | 0.93917 | 0.1394336 | 0.17551838 | 3.1592765 | 21 | 4 3.5 | 19.4 |
| 34136 2000 $QF_6$ | 15.1 | X | 64.85763 | 335.73814 | 321.77346 | 5.35829 | 0.1165718 | 0.28770091 | 2.2725244 | 21 | 11 13.8 | 18.0 |
| 34137 Lonnielinda | 15.7 | X | 243.50738 | 356.55307 | 307.96719 | 2.65252 | 0.1967828 | 0.26420337 | 2.4053437 | 21 | 2 10.6 | 19.6 |
| 34138 Frasso Sabino | 14.4 | X | 355.60672 | 141.53198 | 190.51848 | 15.63597 | 0.1894597 | 0.23498354 | 2.6008247 | 21 | 9 10.1 | 16.9 |
| 34139 Lucabarcelo | 14.4 | X | 243.79370 | 287.17229 | 96.43887 | 2.20509 | 0.2038876 | 0.18032492 | 3.1028840 | 21 | 5 24.7 | 19.5 |
| 34140 2000 $QE_{11}$ | 15.0 | X | 238.65860 | 44.38222 | 316.68880 | 11.18799 | 0.1558175 | 0.22434483 | 2.6824111 | 21 | 4 17.6 | 19.4 |
| 34141 Antonwu | 14.5 | X | 125.80152 | 336.09071 | 291.13623 | 1.12068 | 0.0479190 | 0.19920366 | 2.9036070 | 21 | 11 26.2 | 18.7 |
| 34142 Sachinkonan | 14.8 | X | 266.80266 | 153.87675 | 156.46129 | 0.94549 | 0.1475988 | 0.17617864 | 3.1513784 | 21 | 3 25.5 | 19.6 |
| 34143 Heeric | 15.2 | X | 55.12080 | 176.75383 | 134.27341 | 2.33367 | 0.1010492 | 0.24200888 | 2.5502446 | 21 | 11 12.4 | 18.4 |
| 34144 Alexandersun | 15.6 | X | 294.20485 | 296.17493 | 125.84980 | 2.63873 | 0.0312732 | 0.28671138 | 2.2777502 | 21 | 10 18.9 | 18.1 |
| 34145 2000 $QV_{15}$ | 14.8 | X | 317.44784 | 207.28571 | 109.82330 | 1.93603 | 0.1258578 | 0.18291059 | 3.0735726 | 21 | 6 9.0 | 18.6 |
| 34146 2000 $QH_{16}$ | 14.2 | X | 180.86193 | 221.05720 | 143.28735 | 9.33701 | 0.1503609 | 0.16963047 | 3.2319662 | 21 | 3 12.6 | 19.4 |
| 34147 Vengadesan | 14.7 | X | 194.02726 | 138.23465 | 318.39830 | 3.29769 | 0.0670352 | 0.23005532 | 2.6378364 | 21 | 7 13.4 | 18.6 |
| 34148 Marchuo | 14.6 | X | 98.59218 | 110.41758 | 300.74304 | 3.47315 | 0.0586135 | 0.25883343 | 2.4384984 | 21 | 1 10.3 | 17.4 |
| 34149 2000 $QL_{17}$ | 15.7 | X | 64.65843 | 158.13968 | 344.81707 | 2.20954 | 0.1491807 | 0.26694177 | 2.3888654 | 21 | 4 5.7 | 18.1 |
| 34150 2000 $QK_{18}$ | 15.0 | X | 212.56696 | 78.86409 | 181.02105 | 3.41983 | 0.1322488 | 0.30361469 | 2.1924054 | 21 | — | — |
| 34151 2000 $QH_{19}$ | 16.1 | X | 228.60930 | 23.29096 | 102.74282 | 1.02763 | 0.0452930 | 0.28557621 | 2.2837823 | 21 | 10 11.7 | 18.9 |
| 34152 Kendrazhang | 15.0 | X | 54.70751 | 126.39452 | 163.27465 | 2.67649 | 0.1211300 | 0.19098548 | 2.9863164 | 21 | 10 10.8 | 19.0 |
| 34153 Deeannguo | 14.6 | X | 198.08773 | 280.12278 | 131.72845 | 2.33646 | 0.1957424 | 0.17454442 | 3.1710182 | 21 | 5 20.4 | 19.9 |
| 34154 Anushkanair | 15.2 | X | 188.55217 | 124.51353 | 139.91833 | 3.16828 | 0.1499469 | 0.25303490 | 2.4756112 | 21 | — | — |
| 34155 2000 $QJ_{22}$ | 13.8 | X | 142.92567 | 228.64309 | 147.27221 | 11.51654 | 0.2533147 | 0.26066180 | 2.4270821 | 21 | 2 16.1 | 17.3 |
| 34156 Gopalakrishnan | 14.8 | X | 279.98832 | 306.34848 | 13.83296 | 4.68508 | 0.1406488 | 0.27135382 | 2.3629004 | 21 | 4 12.1 | 18.0 |
| 34157 2000 $QU_{22}$ | 15.5 | X | 345.47926 | 38.40929 | 223.81219 | 3.60858 | 0.1047541 | 0.27392904 | 2.3480680 | 21 | 5 4.3 | 17.9 |
| 34158 Rachelchang | 15.0 | X | 141.21615 | 60.67182 | 206.39593 | 1.29304 | 0.0775383 | 0.19885238 | 2.9070256 | 21 | 12 13.5 | 19.3 |
| 34159 Ryanthorpe | 14.6 | X | 31.29529 | 17.38337 | 167.15413 | 5.38166 | 0.0960198 | 0.21931256 | 2.7232889 | 21 | 4 10.9 | 17.7 |
| 34160 2000 $QS_{26}$ | 15.0 | X | 111.69075 | 186.58992 | 133.32796 | 5.74930 | 0.1674516 | 0.29665294 | 2.2265730 | 21 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 34161 Michaellee | 15.8 | X | 216.71008 | 351.17616 | 197.93381 | 2.73260 | 0.1124604 | 0.29420971 | 2.2388829 | 21 | 12 12.9 | 18.4 |
| 34162 Yegnesh | 14.4 | X | 0.61531 | 297.73750 | 138.38327 | 2.84762 | 0.0399390 | 0.20033674 | 2.8926484 | 21 | — | — |
| 34163 Neyveli | 15.3 | X | 201.12438 | 157.49624 | 9.64254 | 3.41230 | 0.0756830 | 0.28665632 | 2.2780419 | 21 | 10 27.4 | 18.2 |
| 34164 Anikacheerla | 15.2 | X | 205.46393 | 93.59214 | 156.57566 | 3.98654 | 0.1121063 | 0.29981210 | 2.2109043 | 21 | — | — |
| 34165 Nikhilcheerla | 14.3 | X | 103.84195 | 248.55483 | 38.90005 | 2.34169 | 0.1005386 | 0.19623176 | 2.9328500 | 21 | 11 30.2 | 18.8 |
| 34166 Neildeshmukh | 14.4 | X | 38.72764 | 43.18252 | 237.03590 | 6.35750 | 0.1072920 | 0.27990151 | 2.3145464 | 21 | 9 8.8 | 17.0 |
| 34167 2000 $QS_{30}$ | 13.7 | X | 337.71345 | 253.27856 | 155.00702 | 10.44281 | 0.0922364 | 0.19191794 | 2.9766356 | 21 | 11 17.6 | 17.5 |
| 34168 2000 $QP_{31}$ | 15.4 | X | 59.41362 | 177.41131 | 47.87635 | 6.00756 | 0.1047266 | 0.27858788 | 2.3218166 | 21 | 7 26.5 | 18.0 |
| 34169 2000 $QA_{33}$ | 14.8 | X | 6.98681 | 275.04479 | 28.17058 | 11.63347 | 0.0803749 | 0.18560060 | 3.0438025 | 21 | 8 18.5 | 18.8 |
| 34170 2000 $QX_{33}$ | 14.7 | X | 59.43179 | 130.22412 | 336.38370 | 4.26941 | 0.1731417 | 0.25838113 | 2.4413433 | 21 | 2 5.6 | 16.6 |
| 34171 2000 $QZ_{34}$ | 14.6 | X | 356.02174 | 317.48720 | 179.98685 | 5.81380 | 0.0908087 | 0.25415027 | 2.4683628 | 21 | — | — |
| 34172 Camillemiles | 14.8 | X | 325.21000 | 2.84965 | 276.45097 | 2.19315 | 0.1479511 | 0.22699501 | 2.6614921 | 21 | 4 22.5 | 18.0 |
| 34173 2000 $QY_{37}$ | 14.3 | X | 192.10860 | 313.16749 | 154.41419 | 12.87924 | 0.1724368 | 0.23062192 | 2.6335142 | 21 | 7 20.9 | 18.7 |
| 34174 2000 $QP_{38}$ | 13.8 | X | 158.12723 | 289.61743 | 146.51461 | 17.68099 | 0.2015925 | 0.17410768 | 3.1763189 | 21 | 5 20.8 | 19.4 |
| 34175 Joshuadong | 14.9 | X | 32.43991 | 347.86028 | 303.66125 | 4.12410 | 0.1354262 | 0.23658240 | 2.5890936 | 21 | 9 15.8 | 17.8 |
| 34176 Balamurugan | 14.8 | X | 119.13500 | 286.82611 | 151.69848 | 7.88895 | 0.1002261 | 0.21764098 | 2.7372151 | 21 | 3 30.2 | 18.6 |
| 34177 Amandawilson | 14.4 | X | 355.85940 | 275.20277 | 127.53399 | 3.03511 | 0.0859658 | 0.19693525 | 2.9258614 | 21 | 12 6.4 | 18.0 |
| 34178 Sarahmarie | 15.0 | X | 2.09222 | 18.24602 | 167.02352 | 5.68047 | 0.0111806 | 0.21758305 | 2.7377009 | 21 | 2 27.4 | 18.5 |
| 34179 Bryanchun | 14.9 | X | 339.16917 | 174.56996 | 172.48973 | 2.35201 | 0.1430400 | 0.18787825 | 3.0191524 | 21 | 8 24.9 | 18.1 |
| 34180 Jessicayoung | 15.0 | X | 140.80456 | 208.20637 | 231.01436 | 1.21989 | 0.0365398 | 0.22120287 | 2.7077519 | 21 | 4 15.5 | 18.8 |
| 34181 Patnaik | 15.4 | X | 149.39060 | 231.60544 | 247.20011 | 1.53720 | 0.1552690 | 0.27377511 | 2.3489480 | 21 | 6 25.6 | 18.7 |
| 34182 Sachan | 15.0 | X | 348.04713 | 319.69264 | 329.90760 | 2.13552 | 0.0694464 | 0.22988178 | 2.6391638 | 21 | 6 24.8 | 18.2 |
| 34183 Yeshdoctor | 14.4 | X | 214.39956 | 292.30611 | 123.39498 | 0.24575 | 0.1844958 | 0.17825502 | 3.1268583 | 21 | 6 7.4 | 19.4 |
| 34184 Hegde | 14.9 | X | 308.68792 | 66.07257 | 345.03128 | 5.50194 | 0.1259386 | 0.19029124 | 2.9935753 | 21 | 9 28.9 | 18.6 |
| 34185 2000 $QP_{47}$ | 13.8 | X | 219.00936 | 332.45268 | 149.39660 | 10.98687 | 0.0892731 | 0.18832854 | 3.0143380 | 21 | 9 9.8 | 18.3 |
| 34186 2000 $QT_{47}$ | 14.6 | X | 288.35109 | 146.56082 | 151.90144 | 11.97905 | 0.1322177 | 0.17642806 | 3.1484076 | 21 | 4 9.1 | 19.2 |
| 34187 Tomaino | 14.7 | X | 291.17936 | 241.34431 | 118.25213 | 0.82869 | 0.1935834 | 0.18256229 | 3.0774807 | 21 | 6 16.4 | 18.7 |
| 34188 Clarawagner | 14.9 | X | 250.85206 | 81.00675 | 228.47103 | 0.98866 | 0.1213202 | 0.21931352 | 2.7232809 | 21 | 3 5.2 | 19.1 |
| 34189 Ambatipudi | 14.7 | X | 17.77705 | 285.59937 | 162.94997 | 6.53399 | 0.1027580 | 0.25205437 | 2.4820273 | 21 | — | — |
| 34190 Erinsmith | 15.1 | X | 241.79706 | 151.86552 | 159.64793 | 6.42224 | 0.0230866 | 0.21763190 | 2.7372913 | 21 | 3 6.5 | 19.0 |
| 34191 Jakhete | 14.9 | X | 155.61661 | 69.58684 | 351.02019 | 5.68641 | 0.0436738 | 0.26727210 | 2.3868967 | 21 | 4 4.0 | 18.1 |
| 34192 Sappington | 14.5 | X | 169.33556 | 333.35886 | 356.31502 | 2.24029 | 0.0831798 | 0.21024796 | 2.8010112 | 21 | 1 9.1 | 18.5 |
| 34193 Annakoonce | 14.7 | X | 266.02906 | 91.84468 | 346.15990 | 5.44111 | 0.0120482 | 0.18940174 | 3.0029406 | 21 | 9 19.7 | 18.9 |
| 34194 Serenajing | 15.2 | X | 259.62917 | 138.23965 | 137.49054 | 5.31876 | 0.0509867 | 0.21521316 | 2.7577623 | 21 | 2 8.6 | 19.0 |
| 34195 2000 $QA_{54}$ | 14.7 | X | 168.91388 | 192.04967 | 147.46513 | 13.47722 | 0.0296185 | 0.21150705 | 2.7898840 | 21 | 1 14.2 | 18.8 |
| 34196 2000 $QB_{54}$ | 14.0 | X | 334.27813 | 338.34683 | 355.89308 | 8.78703 | 0.2135048 | 0.23296443 | 2.6158308 | 21 | 7 27.8 | 16.4 |
| 34197 Susrinivasan | 15.0 | X | 306.84655 | 113.80255 | 353.49297 | 7.97900 | 0.1310677 | 0.29210791 | 2.2496097 | 21 | — | — |
| 34198 Oliverleitner | 14.6 | X | 315.31302 | 207.43914 | 212.52445 | 3.34101 | 0.0995927 | 0.24095524 | 2.5576737 | 21 | 11 3.9 | 17.2 |
| 34199 Amyjin | 15.6 | X | 109.98890 | 102.27121 | 76.76539 | 2.90430 | 0.1568531 | 0.27848838 | 2.3223696 | 21 | 8 5.1 | 18.7 |
| 34200 Emmasun | 15.1 | X | 80.56307 | 49.29698 | 61.21916 | 2.92674 | 0.1582657 | 0.26296024 | 2.4129185 | 21 | 3 21.3 | 17.6 |
| 34201 2000 $QX_{54}$ | 14.2 | X | 315.45511 | 59.61524 | 355.84481 | 9.54323 | 0.1011476 | 0.19207472 | 2.9750156 | 21 | 10 16.6 | 17.9 |
| 34202 Sionaprasad | 14.5 | X | 161.40871 | 279.92612 | 137.18766 | 8.30040 | 0.1096182 | 0.21950632 | 2.7216861 | 21 | 4 21.6 | 18.7 |
| 34203 2000 $QO_{55}$ | 14.8 | X | 140.45540 | 232.12034 | 134.55997 | 7.19273 | 0.0776368 | 0.21073183 | 2.7967219 | 21 | 1 20.4 | 18.7 |
| 34204 Quryshi | 14.3 | X | 137.26103 | 311.99921 | 141.52382 | 6.92827 | 0.0986305 | 0.22091991 | 2.7100635 | 21 | 5 9.6 | 18.3 |
| 34205 Mizerak | 15.2 | X | 267.39020 | 341.70643 | 3.40995 | 4.63315 | 0.1655764 | 0.27310762 | 2.3527738 | 21 | 4 26.7 | 18.4 |
| 34206 Zhiyuewang | 14.9 | X | 59.79003 | 307.64291 | 68.98622 | 3.09545 | 0.0531619 | 0.20131604 | 2.8832600 | 21 | — | — |
| 34207 2000 $QR_{65}$ | 13.8 | X | 141.35907 | 94.05893 | 97.50990 | 9.79660 | 0.0209253 | 0.18573082 | 3.0423796 | 21 | 9 13.6 | 18.3 |
| 34208 Danielzhang | 14.9 | X | 218.91969 | 228.77319 | 109.00100 | 4.79006 | 0.1979344 | 0.21724437 | 2.7405456 | 21 | 3 9.2 | 19.5 |
| 34209 2000 $QP_{67}$ | 14.2 | X | 144.84786 | 3.18566 | 129.29601 | 13.31114 | 0.1344043 | 0.22589757 | 2.6701051 | 21 | 7 7.8 | 18.4 |
| 34210 2000 $QV_{67}$ | 13.3 | X | 196.83135 | 314.27071 | 137.96845 | 11.13299 | 0.2020611 | 0.17751939 | 3.1354907 | 21 | 7 5.8 | 18.6 |
| 34211 2000 $QE_{68}$ | 13.7 | X | 327.96228 | 283.19056 | 138.16710 | 11.28115 | 0.1096922 | 0.19221967 | 2.9735198 | 21 | 11 19.6 | 17.5 |
| 34212 2000 $QZ_{68}$ | 14.5 | X | 150.26877 | 263.91444 | 118.05183 | 2.92154 | 0.0873478 | 0.21290346 | 2.7776716 | 21 | 2 21.0 | 18.5 |
| 34213 2000 $QF_{69}$ | 14.7 | X | 345.95055 | 114.80823 | 220.64484 | 9.71763 | 0.1312692 | 0.18876967 | 3.0096401 | 21 | 8 17.8 | 18.4 |
| 34214 2000 $QA_{72}$ | 14.7 | X | 90.07695 | 112.06818 | 162.79383 | 14.14993 | 0.1846278 | 0.24243997 | 2.5472207 | 21 | 11 18.8 | 18.9 |
| 34215 Stutigarg | 14.9 | X | 103.59495 | 288.49629 | 314.10812 | 2.59110 | 0.1140826 | 0.23923137 | 2.5699458 | 21 | 10 11.8 | 18.7 |
| 34216 2000 $QK_{75}$ | 13.8 | X | 40.79957 | 352.97681 | 336.82275 | 5.29549 | 0.1123944 | 0.19346380 | 2.9607579 | 21 | 11 8.3 | 17.8 |
| 34217 2000 $QA_{78}$ | 14.2 | X | 127.16200 | 357.69535 | 344.03891 | 6.11014 | 0.1803676 | 0.25292006 | 2.4763605 | 21 | — | — |
| 34218 Padiyath | 14.4 | X | 197.30871 | 277.21944 | 161.18616 | 5.54801 | 0.1728969 | 0.17721267 | 3.1391076 | 21 | 6 20.5 | 19.6 |
| 34219 Megantang | 15.1 | X | 168.11710 | 84.93236 | 333.42864 | 4.49326 | 0.1647339 | 0.21805643 | 2.7337374 | 21 | 4 27.6 | 19.5 |
| 34220 Pelagiamajoni | 15.2 | X | 213.86857 | 244.38059 | 188.50768 | 6.42379 | 0.1695180 | 0.27554026 | 2.3389055 | 21 | 6 27.5 | 18.9 |
| 34221 2000 $QW_{84}$ | 13.7 | X | 304.34321 | 125.90235 | 296.28754 | 8.11626 | 0.0192953 | 0.19312997 | 2.9641688 | 21 | 10 15.0 | 17.9 |
| 34222 2000 $QS_{85}$ | 14.7 | X | 275.94495 | 260.40522 | 174.31371 | 10.38128 | 0.1050794 | 0.18896560 | 3.0075594 | 21 | 9 15.4 | 18.6 |
| 34223 2000 $QD_{87}$ | 14.5 | X | 207.25942 | 319.54080 | 172.21241 | 13.83821 | 0.1205382 | 0.23557745 | 2.5964517 | 21 | 9 8.3 | 18.4 |
| 34224 Maggiechen | 15.0 | X | 27.41274 | 359.72866 | 306.52580 | 5.25041 | 0.1684222 | 0.28434613 | 2.2903640 | 21 | 10 10.2 | 17.4 |
| 34225 Fridberg | 14.7 | X | 149.36421 | 253.61700 | 196.40903 | 4.95298 | 0.1604747 | 0.26851850 | 2.3795047 | 21 | 5 19.5 | 18.2 |
| 34226 2000 $QM_{88}$ | 14.5 | X | 50.25059 | 74.43113 | 270.82595 | 4.37833 | 0.2352015 | 0.24358016 | 2.5392655 | 21 | — | — |
| 34227 Daveyhuang | 15.6 | X | 155.19292 | 330.41664 | 233.37399 | 5.53715 | 0.0668229 | 0.28664190 | 2.2781183 | 21 | 10 22.2 | 18.8 |
| 34228 2000 $QF_{90}$ | 13.7 | X | 268.22073 | 355.83418 | 322.17867 | 9.94200 | 0.2128202 | 0.17601473 | 3.1533345 | 21 | 3 24.9 | 18.8 |
| 34229 2000 $QE_{92}$ | 15.7 | X | 190.23414 | 311.84297 | 260.89843 | 3.25546 | 0.1073742 | 0.29233394 | 2.2484499 | 21 | 12 12.4 | 18.4 |
| 34230 2000 $QF_{93}$ | 12.9 | X | 209.82369 | 289.53377 | 168.32284 | 18.44113 | 0.1489092 | 0.17861457 | 3.1226607 | 21 | 7 24.6 | 18.2 |
| 34231 Isanisingh | 14.9 | X | 325.01816 | 41.45453 | 340.00027 | 9.86204 | 0.0915845 | 0.18992940 | 2.9973762 | 21 | 9 18.1 | 18.6 |
| 34232 2000 $QL_{94}$ | 14.1 | X | 15.22461 | 204.84521 | 122.88100 | 10.72466 | 0.0941038 | 0.19190045 | 2.9768164 | 21 | 10 3.9 | 18.0 |
| 34233 Caldwell | 15.2 | X | 88.24895 | 99.96838 | 347.89031 | 5.47716 | 0.0602226 | 0.21326937 | 2.7744935 | 21 | 2 23.5 | 18.9 |
| 34234 Andrewfang | 15.2 | X | 87.05446 | 183.44749 | 0.94889 | 6.54457 | 0.0811161 | 0.27303447 | 2.3531940 | 21 | 7 2.7 | 18.2 |
| 34235 Ellafeiner | 14.5 | X | 90.57691 | 104.40618 | 34.95761 | 2.91288 | 0.1449305 | 0.26715358 | 2.3876026 | 21 | 5 12.9 | 17.3 |
| 34236 Firester | 14.0 | X | 349.08516 | 36.70438 | 57.38808 | 2.84453 | 0.0391548 | 0.20104476 | 2.8858531 | 21 | — | — |
| 34237 Sarahgao | 14.6 | X | 3.75149 | 264.73820 | 143.95024 | 8.07775 | 0.1529545 | 0.24308465 | 2.5427151 | 21 | — | — |
| 34238 2000 $QU_{96}$ | 14.5 | X | 250.89686 | 257.67300 | 100.46345 | 2.65071 | 0.2504223 | 0.17626178 | 3.1503873 | 21 | 4 27.5 | 19.6 |
| 34239 Louisgolowich | 14.5 | X | 353.63098 | 302.57806 | 65.88387 | 2.68795 | 0.0959161 | 0.19008397 | 2.9957511 | 21 | 10 19.5 | 18.1 |
| 34240 Charleyhutch | 14.2 | X | 41.20498 | 326.61503 | 12.26396 | 9.93977 | 0.0918947 | 0.19302089 | 2.9652855 | 21 | 11 16.4 | 18.3 |

| Planet | | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | m | | ° | ° | ° | ° | | ° | | | | |
| 34241 | Skylerjones | 14.3 | X | 358.24300 | 216.15217 | 78.08937 | 5.53458 | 0.1796959 | 0.18396042 | 3.0618680 | 21 | 7 18.5 | 17.5 |
| 34242 | 2000 $QD_{100}$ | 15.1 | X | 273.45801 | 175.72836 | 68.51082 | 3.86432 | 0.1027685 | 0.30674837 | 2.1774484 | 21 | — | — |
| 34243 | 2000 $QR_{100}$ | 13.4 | X | 323.05531 | 276.93238 | 154.59736 | 10.97620 | 0.0876934 | 0.19267879 | 2.9687943 | 21 | 11 24.8 | 17.3 |
| 34244 | 2000 $QF_{101}$ | 13.8 | X | 71.44572 | 269.17329 | 77.97445 | 7.03269 | 0.0998719 | 0.19761225 | 2.9191751 | 21 | — | — |
| 34245 | Andrewkomo | 15.4 | X | 2.66839 | 154.77323 | 76.39969 | 6.07268 | 0.1251869 | 0.26949963 | 2.3737261 | 21 | 4 20.3 | 17.6 |
| 34246 | Kopparapu | 15.5 | X | 135.11754 | 187.80735 | 88.87505 | 4.09443 | 0.1639115 | 0.29352035 | 2.2423870 | 21 | — | — |
| 34247 | 2000 $QC_{103}$ | 13.6 | X | 166.78750 | 60.74003 | 122.79635 | 10.26061 | 0.0492447 | 0.18758413 | 3.0223075 | 21 | 10 3.9 | 18.2 |
| 34248 | 2000 $QE_{104}$ | 14.0 | X | 306.59494 | 274.26354 | 107.23117 | 12.46404 | 0.0601968 | 0.18427118 | 3.0584246 | 21 | 8 29.7 | 18.2 |
| 34249 | Leolo | 14.9 | X | 211.90125 | 286.82922 | 77.64929 | 5.03342 | 0.1347300 | 0.21934974 | 2.7229812 | 21 | 4 5.6 | 19.3 |
| 34250 | Mamichael | 15.8 | X | 108.60721 | 251.02119 | 339.58669 | 9.06788 | 0.1019376 | 0.28421402 | 2.2910737 | 21 | 10 3.4 | 18.9 |
| 34251 | Rohanmehrotra | 15.3 | X | 316.00550 | 92.43331 | 348.56673 | 3.46568 | 0.0177291 | 0.24270706 | 2.5453515 | 21 | 12 5.9 | 18.5 |
| 34252 | Orlovsky | 15.7 | X | 264.46116 | 54.90134 | 162.29556 | 2.20071 | 0.1475870 | 0.25696035 | 2.4503341 | 21 | — | — |
| 34253 | Nitya | 15.7 | X | 171.08920 | 13.29673 | 1.64572 | 3.26102 | 0.1121878 | 0.21454902 | 2.7634505 | 21 | 3 8.0 | 19.7 |
| 34254 | Mihirpatel | 14.2 | X | 288.85557 | 323.11223 | 331.74444 | 4.24729 | 0.1319273 | 0.17416380 | 3.1756365 | 21 | 3 31.6 | 18.8 |
| 34255 | 2000 $QR_{115}$ | 14.2 | X | 266.37718 | 39.40561 | 19.51383 | 10.87169 | 0.1229040 | 0.18296997 | 3.0729076 | 21 | 8 15.5 | 18.7 |
| 34256 | Advaitpatil | 14.5 | X | 234.13357 | 127.83788 | 111.45882 | 3.26163 | 0.0386300 | 0.20566114 | 2.8425049 | 21 | — | — |
| 34257 | 2000 $QU_{116}$ | 14.2 | X | 98.75281 | 319.09189 | 246.09073 | 7.73300 | 0.0379503 | 0.18496675 | 3.0507523 | 21 | 8 3.8 | 18.7 |
| 34258 | Pentland | 14.4 | X | 50.62222 | 278.72555 | 224.59016 | 7.89555 | 0.0952230 | 0.21473526 | 2.7618524 | 21 | 3 13.2 | 17.8 |
| 34259 | Abprabhakaran | 15.0 | X | 145.65304 | 359.48992 | 260.60811 | 5.24170 | 0.0991589 | 0.29230814 | 2.2485822 | 21 | 12 25.4 | 18.0 |
| 34260 | 2000 $QG_{120}$ | 13.7 | X | 232.67041 | 144.06351 | 208.76030 | 4.78223 | 0.1714445 | 0.17305914 | 3.1891358 | 21 | 4 10.1 | 18.8 |
| 34261 | Musharahman | 14.9 | X | 112.26003 | 344.54865 | 293.88104 | 3.51151 | 0.1370046 | 0.29080453 | 2.2563265 | 21 | 12 14.8 | 18.1 |
| 34262 | Michaelren | 14.8 | X | 121.29213 | 17.33139 | 246.25834 | 3.58289 | 0.1271553 | 0.24245973 | 2.5470823 | 21 | 11 27.5 | 18.7 |
| 34263 | 2000 $QV_{121}$ | 13.4 | X | 213.44326 | 43.34854 | 321.76489 | 9.58076 | 0.1175830 | 0.17098246 | 3.2149064 | 21 | 4 5.6 | 18.7 |
| 34264 | Sadhuka | 14.4 | X | 240.60229 | 163.55638 | 311.22551 | 9.16311 | 0.0247762 | 0.18755175 | 3.0226554 | 21 | 9 28.1 | 18.8 |
| 34265 | 2000 $QC_{125}$ | 14.2 | X | 198.93573 | 294.18311 | 88.89949 | 6.74240 | 0.1759650 | 0.17220910 | 3.1996219 | 21 | 4 19.8 | 19.5 |
| 34266 | Schweinfurth | 15.0 | X | 143.36093 | 240.89251 | 297.68058 | 9.82230 | 0.0177951 | 0.28161328 | 2.3051576 | 21 | 8 28.5 | 18.0 |
| 34267 | Haniya | 14.6 | X | 72.13649 | 128.76894 | 172.52452 | 1.69358 | 0.0328898 | 0.19228907 | 2.9728043 | 21 | 11 3.4 | 18.6 |
| 34268 | Gracetian | 14.1 | X | 260.42441 | 304.42055 | 299.47335 | 5.92761 | 0.0783916 | 0.21019366 | 2.8014936 | 21 | — | — |
| 34269 | 2000 $QV_{130}$ | 14.6 | X | 209.35773 | 358.47305 | 327.38983 | 4.44275 | 0.2161498 | 0.26513606 | 2.3996994 | 21 | 2 8.7 | 18.5 |
| 34270 | 2000 $QW_{131}$ | 12.8 | X | 62.38262 | 246.80011 | 34.70109 | 15.26604 | 0.0691840 | 0.23249428 | 2.6193561 | 21 | 10 10.8 | 16.3 |
| 34271 | Vinjaivale | 14.7 | X | 240.74003 | 334.03684 | 262.94000 | 1.78243 | 0.0287016 | 0.21090141 | 2.7952226 | 21 | — | — |
| 34272 | Veeramacheneni | 14.7 | X | 249.23164 | 310.81305 | 145.00096 | 9.97734 | 0.0207460 | 0.23880810 | 2.5729816 | 21 | 9 28.6 | 18.1 |
| 34273 | Franklynwang | 15.0 | X | 276.24870 | 290.03967 | 43.91252 | 3.20353 | 0.0821640 | 0.22599316 | 2.6693521 | 21 | 5 8.6 | 18.5 |
| 34274 | 2000 $QM_{135}$ | 14.7 | X | 117.29850 | 73.60462 | 132.82386 | 15.74746 | 0.0552089 | 0.23521809 | 2.5990955 | 21 | 9 8.8 | 18.4 |
| 34275 | 2000 $QE_{136}$ | 13.9 | X | 312.97155 | 158.40544 | 153.15199 | 17.34085 | 0.1018860 | 0.17903774 | 3.1177383 | 21 | 6 1.9 | 18.4 |
| 34276 | 2000 $QW_{136}$ | 15.7 | X | 43.39152 | 158.70350 | 88.76928 | 2.90025 | 0.2033943 | 0.27987097 | 2.3147147 | 21 | 8 19.5 | 17.9 |
| 34277 | Davidxingwu | 14.5 | X | 81.75605 | 281.63045 | 34.22030 | 2.58071 | 0.0966788 | 0.19552645 | 2.9398987 | 21 | 12 10.2 | 18.9 |
| 34278 | Justinxie | 14.2 | X | 77.02890 | 338.42246 | 355.86992 | 0.89741 | 0.1012208 | 0.19659704 | 2.9292160 | 21 | 12 28.1 | 18.5 |
| 34279 | Alicezhang | 14.6 | X | 164.14497 | 226.86609 | 157.73696 | 3.39775 | 0.1022500 | 0.21358253 | 2.7717809 | 21 | 3 12.1 | 18.7 |
| 34280 | Victoradler | 14.7 | X | 274.72079 | 209.41299 | 168.18188 | 2.90623 | 0.0756192 | 0.22728766 | 2.6592070 | 21 | 7 5.7 | 18.1 |
| 34281 | Albritton | 14.5 | X | 31.35429 | 92.22521 | 49.60147 | 5.79431 | 0.1479921 | 0.21021202 | 2.8013305 | 21 | 2 15.5 | 17.5 |
| 34282 | Applegate | 14.1 | X | 257.69193 | 152.69870 | 108.67651 | 4.59342 | 0.0512307 | 0.21047046 | 2.7990369 | 21 | 1 20.8 | 18.1 |
| 34283 | Bagley | 14.7 | X | 91.88046 | 89.92053 | 36.19699 | 6.97553 | 0.0694154 | 0.26446145 | 2.4037786 | 21 | 4 14.9 | 17.6 |
| 34284 | Seancampbell | 15.2 | X | 191.41633 | 164.52940 | 62.46935 | 5.48537 | 0.1341669 | 0.29315312 | 2.2442593 | 21 | 12 29.7 | 18.3 |
| 34285 | Dorothydady | 15.0 | X | 204.51336 | 29.26397 | 87.50639 | 2.50576 | 0.0438563 | 0.23113068 | 2.6296482 | 21 | 8 24.1 | 18.5 |
| 34286 | 2000 $QF_{147}$ | 13.4 | X | 117.10480 | 256.09878 | 45.26605 | 13.96928 | 0.1853893 | 0.23816585 | 2.5776052 | 21 | — | — |
| 34287 | 2000 $QG_{147}$ | 13.0 | X | 86.34237 | 270.07299 | 59.78349 | 11.63868 | 0.1068358 | 0.18949811 | 3.0019224 | 21 | 12 31.9 | 17.6 |
| 34288 | Bevindaglen | 15.2 | X | 345.71220 | 311.45080 | 280.22248 | 4.73720 | 0.0654102 | 0.26749967 | 2.3855428 | 21 | 3 22.8 | 18.0 |
| 34289 | Johndell | 14.8 | X | 352.39704 | 178.74115 | 239.76474 | 2.06555 | 0.0928409 | 0.24279154 | 2.5447611 | 21 | — | — |
| 34290 | 2000 $QQ_{150}$ | 13.2 | X | 12.92780 | 37.67904 | 339.97290 | 9.10393 | 0.0913272 | 0.19095631 | 2.9866205 | 21 | 11 26.0 | 17.2 |
| 34291 | 2000 $QS_{150}$ | 12.8 | X | 355.43636 | 29.37925 | 354.56491 | 9.62052 | 0.0941596 | 0.18922941 | 3.0047635 | 21 | 11 6.7 | 16.7 |
| 34292 | 2000 $QK_{151}$ | 13.5 | X | 13.34397 | 108.92087 | 249.67385 | 9.16272 | 0.1336789 | 0.18789237 | 3.0190012 | 21 | 11 7.8 | 17.2 |
| 34293 | Khiemdoba | 15.2 | X | 103.94549 | 112.12333 | 288.33127 | 5.47138 | 0.1241215 | 0.25890754 | 2.4380330 | 21 | 1 12.9 | 18.0 |
| 34294 | Taylordufford | 14.8 | X | 294.44887 | 186.47861 | 219.69766 | 7.75315 | 0.0987578 | 0.23778178 | 2.5803800 | 21 | 9 6.7 | 18.0 |
| 34295 | 2000 $QN_{152}$ | 14.5 | X | 330.08083 | 235.15169 | 166.98317 | 14.12572 | 0.2069009 | 0.24044326 | 2.5613031 | 21 | 11 7.9 | 16.9 |
| 34296 | 2000 $QT_{153}$ | 15.9 | X | 187.35005 | 350.19999 | 305.61637 | 6.47638 | 0.0629839 | 0.30432541 | 2.1889906 | 21 | — | — |
| 34297 | Willfrazer | 15.4 | X | 178.52947 | 163.29262 | 245.88879 | 8.53763 | 0.1075430 | 0.26984926 | 2.3716753 | 21 | 4 19.9 | 18.9 |
| 34298 | 2000 $QH_{159}$ | 12.3 | X | 239.38282 | 178.01050 | 212.50558 | 9.67849 | 0.1250327 | 0.08380814 | 5.1714451 | 21 | 6 7.7 | 19.5 |
| 34299 | 2000 $QF_{162}$ | 14.3 | X | 231.00734 | 98.33792 | 230.71130 | 7.05303 | 0.0311410 | 0.17256979 | 3.1951618 | 21 | 3 17.9 | 19.0 |
| 34300 | Brendafrost | 14.1 | X | 190.84972 | 202.17508 | 230.96645 | 4.67827 | 0.1291018 | 0.17680429 | 3.1439395 | 21 | 6 9.0 | 19.1 |
| 34301 | 2000 $QO_{171}$ | 14.3 | X | 66.01492 | 178.59042 | 319.79470 | 4.51887 | 0.0053488 | 0.21731614 | 2.7399421 | 21 | 3 21.1 | 18.0 |
| 34302 | Riagalanos | 15.1 | X | 238.86930 | 144.13238 | 287.43952 | 4.90462 | 0.0892184 | 0.27942926 | 2.3171535 | 21 | 7 31.7 | 18.1 |
| 34303 | 2000 $QN_{173}$ | 15.9 | X | 131.47392 | 340.56711 | 248.93172 | 4.23149 | 0.1864104 | 0.29026827 | 2.2591046 | 21 | 11 1.8 | 19.6 |
| 34304 | Alainagarza | 15.2 | X | 162.46907 | 135.00063 | 203.20943 | 5.33162 | 0.0668225 | 0.21131232 | 2.7915977 | 21 | 1 8.8 | 19.3 |
| 34305 | 2000 $QN_{179}$ | 14.2 | X | 140.46157 | 90.64930 | 1.78334 | 14.83767 | 0.1119176 | 0.17164078 | 3.2066808 | 21 | 5 8.2 | 19.3 |
| 34306 | 2000 $QP_{183}$ | 14.7 | X | 186.21517 | 254.43478 | 70.44698 | 3.32010 | 0.2079422 | 0.25978015 | 2.4325703 | 21 | 1 20.5 | 18.6 |
| 34307 | Arielhaas | 14.9 | X | 333.61049 | 223.80700 | 61.00311 | 2.89787 | 0.1385550 | 0.22945422 | 2.6424413 | 21 | 5 17.1 | 17.6 |
| 34308 | Roberthall | 14.5 | X | 178.91738 | 233.52193 | 124.47932 | 7.60013 | 0.0503531 | 0.21575133 | 2.7531745 | 21 | 2 20.4 | 18.4 |
| 34309 | 2000 $QY_{186}$ | 13.1 | X | 205.84061 | 343.98304 | 352.53181 | 13.22848 | 0.2452829 | 0.17046888 | 3.2213604 | 21 | 3 1.5 | 18.7 |
| 34310 | Markhannum | 15.5 | X | 130.42607 | 293.12090 | 74.64768 | 4.57053 | 0.1051825 | 0.20961330 | 2.8066623 | 21 | 1 14.8 | 19.5 |
| 34311 | 2000 $QE_{188}$ | 14.2 | X | 213.13159 | 339.17146 | 121.26644 | 12.79204 | 0.0976793 | 0.18406438 | 3.0607149 | 21 | 8 6.1 | 18.8 |
| 34312 | Deahaupt | 14.5 | X | 126.88129 | 219.50779 | 88.17563 | 3.23723 | 0.0528596 | 0.20293365 | 2.8679176 | 21 | — | — |
| 34313 | Lisahevner | 15.2 | X | 309.90874 | 218.97346 | 46.60893 | 7.06914 | 0.0852669 | 0.26922530 | 2.3753383 | 21 | 3 20.3 | 18.1 |
| 34314 | Jasonlee | 14.8 | X | 319.11294 | 245.64814 | 30.00377 | 7.50662 | 0.1918812 | 0.27271616 | 2.3550247 | 21 | 3 28.3 | 17.4 |
| 34315 | 2000 $QJ_{190}$ | 14.4 | X | 159.77112 | 277.75127 | 119.97969 | 10.26408 | 0.1426458 | 0.21618703 | 2.7494740 | 21 | 3 30.6 | 18.8 |
| 34316 | Christineleo | 15.0 | X | 323.26881 | 198.69534 | 78.94096 | 6.44209 | 0.1333052 | 0.27260009 | 2.3556932 | 21 | 4 17.8 | 17.6 |
| 34317 | Fabianmak | 14.1 | X | 358.95747 | 296.67686 | 17.07571 | 9.18373 | 0.1473783 | 0.18666033 | 3.0322712 | 21 | 8 20.2 | 17.6 |
| 34318 | 2000 $QV_{192}$ | 14.0 | X | 199.75078 | 319.73649 | 136.95675 | 17.24672 | 0.2376291 | 0.17940278 | 3.1135077 | 21 | 7 12.5 | 19.5 |
| 34319 | Neilmilburn | 14.6 | X | 341.66893 | 169.78199 | 106.36546 | 3.40639 | 0.1588747 | 0.18145907 | 3.0899416 | 21 | 5 21.7 | 18.1 |
| 34320 | Davidmonge | 14.3 | X | 199.57234 | 306.44958 | 164.14153 | 5.40524 | 0.1205635 | 0.18035317 | 3.1025601 | 21 | 8 1.8 | 19.3 |

| Planet | H | G | M | ω | Ω | i | e | μ | a | TE | Oppos. | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 34321 Russellmotter | 14.8 | X | 283.74629 | 184.72945 | 108.54724 | 4.52480 | 0.0784065 | 0.22014682 | 2.7164045 | 21 | 3 29.4 | 18.5 |
| 34322 Marknandor | 15.3 | X | 331.90332 | 137.23703 | 215.08577 | 1.13911 | 0.0835907 | 0.23434338 | 2.6055591 | 21 | 8 26.6 | 18.1 |
| 34323 Williamrose | 15.2 | X | 315.55633 | 130.48419 | 83.67746 | 4.15032 | 0.1216064 | 0.26292210 | 2.4131519 | 21 | 1 10.3 | 18.3 |
| 34324 Jeremyschwartz | 14.5 | X | 77.89180 | 230.86130 | 118.42360 | 3.44999 | 0.0871908 | 0.20029924 | 2.8930094 | 21 | — | — |
| 34325 Terrencevale | 14.4 | X | 241.94193 | 283.02515 | 8.81669 | 7.25816 | 0.0771327 | 0.21520998 | 2.7577895 | 21 | 2 9.2 | 18.5 |
| 34326 Zhaurova | 14.7 | X | 284.90828 | 186.63342 | 56.65027 | 3.30285 | 0.1256335 | 0.26268084 | 2.4146292 | 21 | 1 11.7 | 18.1 |
| 34327 2000 $QS_{203}$ | 14.7 | X | 243.85940 | 304.50288 | 46.33873 | 4.34108 | 0.0933643 | 0.22197860 | 2.7014399 | 21 | 4 21.6 | 18.6 |
| 34328 2000 $QR_{204}$ | 14.6 | X | 194.77737 | 39.17452 | 327.07422 | 4.39405 | 0.0746134 | 0.21700998 | 2.7425186 | 21 | 3 18.2 | 18.6 |
| 34329 2000 $QO_{206}$ | 14.7 | X | 270.48821 | 7.12427 | 9.59940 | 4.15690 | 0.1044314 | 0.22733012 | 2.6588759 | 21 | 6 24.7 | 18.4 |
| 34330 2000 $QB_{209}$ | 15.7 | X | 220.79612 | 203.44972 | 314.81027 | 5.29924 | 0.1063195 | 0.28905935 | 2.2653990 | 21 | 11 3.6 | 18.6 |
| 34331 2000 $QH_{209}$ | 15.3 | X | 85.36265 | 219.91229 | 287.87836 | 1.72945 | 0.1270658 | 0.26799073 | 2.3826278 | 21 | 5 14.2 | 18.1 |
| 34332 2000 $QU_{209}$ | 14.5 | X | 299.35638 | 270.16940 | 180.36318 | 2.09266 | 0.0355305 | 0.19513373 | 2.9438419 | 21 | 11 16.6 | 18.4 |
| 34333 2000 $QG_{211}$ | 14.6 | X | 309.90999 | 62.48143 | 317.71906 | 1.02465 | 0.1181664 | 0.18565821 | 3.0431728 | 21 | 8 22.2 | 18.4 |
| 34334 2000 $QG_{212}$ | 14.7 | X | 282.10442 | 330.47112 | 144.84036 | 2.70574 | 0.0420489 | 0.19570451 | 2.9381152 | 21 | 11 24.4 | 18.6 |
| 34335 2000 $QR_{214}$ | 14.7 | X | 109.10206 | 299.56057 | 148.16857 | 5.40769 | 0.1361275 | 0.21424364 | 2.7660759 | 21 | 4 3.8 | 18.5 |
| 34336 2000 $QT_{214}$ | 14.6 | X | 169.43950 | 165.98844 | 114.24308 | 3.22628 | 0.0393683 | 0.20262622 | 2.8708178 | 21 | — | — |
| 34337 2000 $QR_{215}$ | 15.2 | X | 67.07099 | 22.91398 | 112.18710 | 3.55012 | 0.1075375 | 0.26293958 | 2.4130449 | 21 | 3 26.9 | 17.8 |
| 34338 2000 $QM_{216}$ | 15.3 | X | 104.37631 | 142.60799 | 72.94100 | 3.12122 | 0.0392434 | 0.23291989 | 2.6161642 | 21 | 9 1.1 | 18.9 |
| 34339 2000 $QH_{218}$ | 14.0 | X | 183.90041 | 84.31482 | 12.56156 | 9.63242 | 0.2055234 | 0.17682385 | 3.1437076 | 21 | 7 1.7 | 19.5 |
| 34340 2000 $QN_{224}$ | 14.8 | X | 184.87423 | 234.72233 | 184.38567 | 4.23890 | 0.0865812 | 0.22068326 | 2.7120006 | 21 | 5 15.4 | 18.9 |
| 34341 2000 $QW_{224}$ | 14.8 | X | 133.43324 | 32.66856 | 68.14708 | 7.30244 | 0.0813594 | 0.26676006 | 2.3899501 | 21 | 5 8.3 | 17.9 |
| 34342 2000 $QK_{227}$ | 14.6 | X | 82.20925 | 152.06716 | 304.08292 | 8.09204 | 0.1240593 | 0.21252947 | 2.7809293 | 21 | 3 2.9 | 18.2 |
| 34343 2000 $QU_{227}$ | 15.1 | X | 160.75896 | 2.76683 | 149.90057 | 2.42246 | 0.0226267 | 0.23056171 | 2.6339727 | 21 | 8 16.5 | 18.5 |
| 34344 2000 $QP_{229}$ | 13.6 | X | 286.80135 | 243.89165 | 134.23417 | 13.31187 | 0.2292524 | 0.17869329 | 3.1217435 | 21 | 6 29.6 | 18.1 |
| 34345 2000 $RY$ | 14.9 | X | 342.49469 | 41.88185 | 317.77123 | 2.27789 | 0.1602797 | 0.23431206 | 2.6057912 | 21 | 9 24.2 | 17.2 |
| 34346 2000 $RJ_{1}$ | 15.1 | X | 332.62564 | 79.15839 | 239.87817 | 0.76396 | 0.0480652 | 0.22786702 | 2.6546977 | 21 | 7 13.5 | 18.4 |
| 34347 2000 $RN_{1}$ | 14.3 | X | 224.09377 | 6.39766 | 184.93279 | 12.99262 | 0.0904131 | 0.24380037 | 2.5377362 | 21 | 12 17.9 | 18.0 |
| 34348 2000 $RF_{3}$ | 13.2 | X | 220.07624 | 150.68248 | 15.59203 | 13.62843 | 0.1025706 | 0.23860424 | 2.5744470 | 21 | 11 4.9 | 16.9 |
| 34349 2000 $RQ_{7}$ | 13.4 | X | 314.52278 | 312.40425 | 67.94555 | 6.03413 | 0.1158599 | 0.18133925 | 3.0913025 | 21 | 9 2.0 | 17.3 |
| 34350 2000 $RW_{7}$ | 13.2 | X | 293.99462 | 288.75969 | 68.71137 | 9.85050 | 0.0274417 | 0.17510791 | 3.1642117 | 21 | 7 13.0 | 17.7 |
| 34351 Decatur | 14.7 | X | 338.57511 | 89.37050 | 342.82430 | 1.29640 | 0.0690685 | 0.19510579 | 2.9441229 | 21 | 12 16.5 | 18.4 |
| 34352 2000 $RJ_{13}$ | 13.7 | X | 130.85320 | 212.86564 | 277.70630 | 4.37656 | 0.1263443 | 0.17536361 | 3.1611351 | 21 | 6 20.6 | 18.5 |
| 34353 2000 $RX_{17}$ | 14.2 | X | 222.91187 | 52.19402 | 238.56493 | 5.45848 | 0.1100607 | 0.25955023 | 2.4340067 | 21 | 1 7.8 | 17.8 |
| 34354 2000 $RL_{18}$ | 15.0 | X | 298.35738 | 38.89600 | 244.56149 | 5.24955 | 0.1055523 | 0.26855027 | 2.3793171 | 21 | 3 19.8 | 18.1 |
| 34355 2000 $RB_{20}$ | 15.0 | X | 170.81175 | 136.64754 | 267.11207 | 4.00965 | 0.0575899 | 0.21796111 | 2.7345343 | 21 | 4 6.4 | 18.9 |
| 34356 2000 $RR_{20}$ | 14.9 | X | 352.09356 | 25.72581 | 248.79238 | 7.08402 | 0.1246300 | 0.22720266 | 2.6598702 | 21 | 6 6.9 | 17.5 |
| 34357 2000 $RO_{21}$ | 14.3 | X | 136.85895 | 328.78052 | 210.04474 | 8.61401 | 0.0079462 | 0.18337968 | 3.0683289 | 21 | 8 13.9 | 18.9 |
| 34358 2000 $RV_{22}$ | 14.1 | X | 318.11282 | 10.91530 | 335.95682 | 10.04812 | 0.0846580 | 0.18215107 | 3.0821107 | 21 | 7 27.5 | 18.1 |
| 34359 2000 $RN_{26}$ | 13.9 | X | 295.48241 | 59.66909 | 248.22432 | 8.70941 | 0.0543194 | 0.17550945 | 3.1593837 | 21 | 5 6.8 | 18.2 |
| 34360 2000 $RS_{28}$ | 13.8 | X | 136.85566 | 248.54629 | 297.01735 | 10.36903 | 0.0420078 | 0.18400052 | 3.0614231 | 21 | 8 24.7 | 18.3 |
| 34361 2000 $RT_{28}$ | 13.8 | X | 256.04482 | 151.10646 | 227.09343 | 11.85782 | 0.0585114 | 0.17824428 | 3.1269839 | 21 | 6 15.4 | 18.3 |
| 34362 2000 $RK_{30}$ | 13.3 | X | 297.83860 | 146.57355 | 263.16219 | 8.38047 | 0.0857070 | 0.18605185 | 3.0388789 | 21 | 9 11.6 | 17.5 |
| 34363 2000 $RT_{30}$ | 15.1 | X | 69.48626 | 2.41051 | 213.59452 | 7.95492 | 0.0916495 | 0.27494219 | 2.3422961 | 21 | 7 21.6 | 18.0 |
| 34364 2000 $RZ_{30}$ | 13.9 | X | 302.28257 | 20.96416 | 282.27752 | 7.91873 | 0.0514568 | 0.17480009 | 3.1679254 | 21 | 5 9.2 | 18.3 |
| 34365 2000 $RS_{34}$ | 15.5 | X | 57.93583 | 41.03570 | 286.36870 | 3.89887 | 0.1261777 | 0.24055365 | 2.5605195 | 21 | 12 9.2 | 19.0 |
| 34366 Rosavestal | 14.0 | X | 221.73422 | 6.69403 | 38.67916 | 8.14926 | 0.1126634 | 0.22210690 | 2.7003995 | 21 | 6 3.3 | 18.2 |
| 34367 2000 $RQ_{40}$ | 14.6 | X | 58.92778 | 19.76589 | 264.15433 | 8.22185 | 0.1974513 | 0.23703095 | 2.5858263 | 21 | 10 22.6 | 18.3 |
| 34368 2000 $RA_{41}$ | 13.1 | X | 305.40207 | 304.11138 | 324.45172 | 13.24984 | 0.0444181 | 0.16988900 | 3.2286865 | 21 | 3 27.9 | 17.8 |
| 34369 2000 $RA_{42}$ | 13.0 | X | 333.07840 | 99.56472 | 267.69511 | 8.85513 | 0.0828506 | 0.18522461 | 3.0479202 | 21 | 9 8.8 | 17.0 |
| 34370 2000 $RY_{42}$ | 13.8 | X | 64.13247 | 1.60086 | 307.63032 | 10.06190 | 0.0829147 | 0.19081796 | 2.9880640 | 21 | 11 5.9 | 18.2 |
| 34371 2000 $RC_{43}$ | 13.1 | X | 252.25885 | 97.70069 | 329.26623 | 10.35866 | 0.1850732 | 0.17936175 | 3.1139825 | 21 | 7 28.9 | 17.8 |
| 34372 2000 $RS_{44}$ | 14.2 | X | 28.88814 | 4.31032 | 328.80648 | 8.05844 | 0.1124100 | 0.23687607 | 2.5869533 | 21 | 11 1.8 | 17.6 |
| 34373 2000 $RT_{44}$ | 13.3 | X | 106.77786 | 312.64349 | 340.05382 | 11.22547 | 0.1704333 | 0.24331667 | 2.5410983 | 21 | 12 21.8 | 17.6 |
| 34374 2000 $RP_{48}$ | 13.7 | X | 1.32220 | 32.26139 | 352.05207 | 10.70036 | 0.1121067 | 0.18836740 | 3.0139234 | 21 | 11 17.3 | 17.6 |
| 34375 2000 $RP_{49}$ | 13.7 | X | 123.42320 | 142.38878 | 218.94494 | 16.42035 | 0.1234540 | 0.20434924 | 2.8546577 | 21 | — | — |
| 34376 2000 $RO_{54}$ | 13.3 | X | 4.92426 | 75.89217 | 310.46712 | 9.58266 | 0.1048176 | 0.18977362 | 2.9990162 | 21 | 11 27.1 | 17.2 |
| 34377 2000 $RQ_{54}$ | 13.7 | X | 90.78021 | 312.55486 | 324.46172 | 11.80016 | 0.1260256 | 0.23566357 | 2.5958190 | 21 | 11 7.6 | 17.8 |
| 34378 2000 $RV_{54}$ | 13.6 | X | 75.09404 | 355.28354 | 323.59854 | 9.53058 | 0.0978371 | 0.19100174 | 2.9861469 | 21 | 12 5.0 | 18.1 |
| 34379 2000 $RU_{55}$ | 14.4 | X | 247.71823 | 306.19801 | 338.73472 | 8.37265 | 0.1316355 | 0.21598896 | 2.7511547 | 21 | 2 2.4 | 18.7 |
| 34380 2000 $RV_{55}$ | 15.2 | X | 267.04830 | 210.47160 | 160.45772 | 2.25308 | 0.1031696 | 0.22773290 | 2.6557398 | 21 | 6 12.7 | 18.9 |
| 34381 2000 $RW_{55}$ | 14.1 | X | 228.88053 | 8.56689 | 340.76130 | 12.69788 | 0.0456260 | 0.17347966 | 3.1839801 | 21 | 4 5.6 | 19.0 |
| 34382 2000 $RG_{56}$ | 14.0 | X | 54.10075 | 343.58948 | 281.92831 | 7.40781 | 0.0690758 | 0.23096561 | 2.6309009 | 21 | 8 31.1 | 17.5 |
| 34383 2000 $RH_{56}$ | 14.1 | X | 74.43798 | 331.59419 | 305.08693 | 9.06042 | 0.0919315 | 0.18837799 | 3.0138105 | 21 | 10 9.2 | 18.6 |
| 34384 2000 $RW_{61}$ | 13.1 | X | 57.57884 | 254.51751 | 78.77464 | 9.78730 | 0.0910981 | 0.18723013 | 3.0261159 | 21 | 12 2.1 | 17.2 |
| 34385 2000 $RE_{62}$ | 13.9 | X | 338.47804 | 263.48664 | 78.36532 | 12.74549 | 0.2189053 | 0.22713948 | 2.6603634 | 21 | 8 21.9 | 16.4 |
| 34386 2000 $RP_{62}$ | 13.9 | X | 77.72546 | 106.12379 | 88.39985 | 9.70568 | 0.2039108 | 0.21522944 | 2.7576233 | 21 | 7 23.1 | 17.7 |
| 34387 2000 $RX_{62}$ | 15.7 | X | 54.43699 | 329.39195 | 1.17978 | 4.41727 | 0.0614203 | 0.29186224 | 2.2508719 | 21 | 12 9.5 | 18.5 |
| 34388 2000 $RE_{63}$ | 15.2 | X | 198.95749 | 40.84447 | 120.70573 | 6.93906 | 0.1129849 | 0.28800726 | 2.2709126 | 21 | 10 17.9 | 18.4 |
| 34389 2000 $RJ_{65}$ | 14.2 | X | 296.12812 | 322.49314 | 12.59533 | 2.40082 | 0.1344315 | 0.17797143 | 3.1301791 | 21 | 5 30.9 | 18.4 |
| 34390 2000 $RJ_{66}$ | 13.9 | X | 161.42855 | 57.45481 | 178.31149 | 13.19326 | 0.1171220 | 0.23930651 | 2.5694078 | 21 | 12 3.4 | 18.1 |
| 34391 2000 $RX_{67}$ | 14.4 | X | 124.85368 | 159.00304 | 106.02316 | 5.54689 | 0.1856829 | 0.29640669 | 2.2278061 | 21 | 12 12.1 | 17.8 |
| 34392 2000 $RT_{68}$ | 14.7 | X | 89.41342 | 343.87474 | 161.54541 | 1.38350 | 0.1284088 | 0.26636246 | 2.3923279 | 21 | 5 18.1 | 17.4 |
| 34393 2000 $RL_{69}$ | 14.4 | X | 322.25658 | 215.98162 | 90.09850 | 2.86406 | 0.1476815 | 0.17958915 | 3.1113532 | 21 | 5 30.1 | 18.2 |
| 34394 2000 $RC_{70}$ | 14.5 | X | 58.84043 | 310.42433 | 10.15856 | 10.19678 | 0.0922101 | 0.19155773 | 2.9803659 | 21 | 11 15.7 | 18.8 |
| 34395 2000 $RS_{73}$ | 14.3 | X | 92.14960 | 329.84112 | 182.80911 | 13.25929 | 0.1187780 | 0.21840154 | 2.7308568 | 21 | 6 3.2 | 18.2 |
| 34396 2000 $RT_{74}$ | 14.3 | X | 196.96155 | 317.91044 | 37.39411 | 5.72073 | 0.1363039 | 0.16943864 | 3.2344050 | 21 | 3 16.5 | 19.6 |
| 34397 2000 $RJ_{76}$ | 14.7 | X | 27.25202 | 229.51560 | 120.57885 | 2.99477 | 0.1130095 | 0.19604828 | 2.9346796 | 21 | 11 18.6 | 18.5 |
| 34398 Terryschmidt | 14.2 | X | 214.76205 | 298.71015 | 107.36531 | 4.33710 | 0.0833295 | 0.22143578 | 2.7058529 | 21 | 5 31.2 | 18.2 |
| 34399 Hachiojihigashi | 14.2 | X | 281.00429 | 94.23370 | 253.99347 | 9.65509 | 0.1015201 | 0.22502391 | 2.6770117 | 21 | 5 31.3 | 17.8 |
| 34400 2000 $RC_{81}$ | 14.8 | X | 335.46492 | 1.50637 | 184.49852 | 7.37124 | 0.1597577 | 0.21274761 | 2.7790280 | 21 | 1 5.0 | 18.6 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 34401 2000 $RS_{83}$ | 14.9 | $X$ | 7.15631 | 347.01273 | 321.45458 | 3.77857 | 0.0830919 | 0.23014958 | 2.6371162 | 21 | 8 23.3 | 18.0 |
| 34402 2000 $RW_{84}$ | 14.9 | $X$ | 311.78719 | 195.77879 | 48.12301 | 3.32995 | 0.1283748 | 0.26581736 | 2.3955973 | 21 | 2 13.3 | 18.0 |
| 34403 2000 $RP_{85}$ | 14.6 | $X$ | 49.48578 | 191.86241 | 144.90256 | 2.79812 | 0.1044233 | 0.19537677 | 2.9414001 | 21 | 11 29.9 | 18.7 |
| 34404 2000 $RZ_{85}$ | 15.2 | $X$ | 134.42425 | 135.77811 | 51.50610 | 3.21650 | 0.0908354 | 0.27739976 | 2.3284415 | 21 | 9 8.1 | 18.4 |
| 34405 2000 $RU_{86}$ | 14.3 | $X$ | 89.21793 | 259.11404 | 331.93644 | 8.21573 | 0.0935402 | 0.23218507 | 2.6216810 | 21 | 9 6.9 | 17.9 |
| 34406 2000 $RD_{92}$ | 15.2 | $X$ | 117.81857 | 299.04818 | 318.14305 | 2.61884 | 0.1572227 | 0.28747668 | 2.2737060 | 21 | 11 23.0 | 18.6 |
| 34407 2000 $RD_{93}$ | 13.9 | $X$ | 57.43342 | 11.14495 | 293.64468 | 6.66911 | 0.1799321 | 0.23678102 | 2.5876456 | 21 | 11 15.1 | 17.5 |
| 34408 2000 $RX_{94}$ | 14.2 | $X$ | 19.19293 | 271.42643 | 94.21116 | 3.22741 | 0.1013985 | 0.19165025 | 2.9794067 | 21 | 11 24.0 | 17.9 |
| 34409 2000 $RB_{95}$ | 14.2 | $X$ | 343.33393 | 27.96496 | 29.77035 | 9.65063 | 0.0606676 | 0.19298312 | 2.9656723 | 21 | 12 2.7 | 18.1 |
| 34410 2000 $RT_{95}$ | 14.6 | $X$ | 188.45570 | 251.38285 | 83.67845 | 5.42331 | 0.0718156 | 0.21042850 | 2.7994089 | 21 | 2 5.0 | 18.7 |
| 34411 2000 $RR_{96}$ | 13.2 | $X$ | 83.87196 | 130.20484 | 227.46791 | 8.92419 | 0.0979638 | 0.15153243 | 3.4844346 | 21 | — | — |
| 34412 2000 $RG_{100}$ | 14.2 | $X$ | 74.08120 | 23.67664 | 37.14978 | 2.72199 | 0.0435060 | 0.20693638 | 2.8308150 | 21 | — | — |
| 34413 2000 $RS_{101}$ | 13.6 | $X$ | 34.10742 | 51.24672 | 270.41242 | 11.48711 | 0.1697005 | 0.18988980 | 2.9977929 | 21 | 10 25.6 | 17.6 |
| 34414 2000 $RQ_{103}$ | 12.9 | $X$ | 320.16310 | 52.24933 | 292.24164 | 14.81816 | 0.1104912 | 0.18206387 | 3.0830947 | 21 | 7 21.4 | 16.8 |
| 34415 2000 $RV_{103}$ | 14.0 | $X$ | 126.70930 | 186.47080 | 270.47071 | 6.79709 | 0.0448468 | 0.21639142 | 2.7477425 | 21 | 4 20.1 | 17.9 |
| 34416 2000 $RV_{104}$ | 14.3 | $X$ | 236.02588 | 225.12728 | 245.28204 | 10.78967 | 0.0949878 | 0.23150236 | 2.6268328 | 21 | 9 10.9 | 18.3 |
| 34417 2000 $RE_{105}$ | 13.9 | $X$ | 351.62322 | 345.69841 | 288.10270 | 11.79928 | 0.1441413 | 0.22405532 | 2.6847213 | 21 | 6 3.4 | 16.9 |
| 34418 2000 $SO_{3}$ | 14.9 | $X$ | 18.87458 | 287.87920 | 75.74954 | 7.40691 | 0.1673563 | 0.28791429 | 2.2714015 | 21 | 12 22.3 | 17.2 |
| 34419 Corning | 14.8 | $X$ | 159.76198 | 325.08448 | 277.46654 | 4.64190 | 0.1452665 | 0.24143917 | 2.5542548 | 21 | 12 7.8 | 18.8 |
| 34420 Peterpau | 13.7 | $X$ | 309.18636 | 296.61400 | 41.90893 | 5.66765 | 0.1606152 | 0.17828842 | 3.1264678 | 21 | 6 19.6 | 17.7 |
| 34421 2000 $SA_{12}$ | 13.3 | $X$ | 233.97467 | 14.24473 | 327.27349 | 20.65104 | 0.1300238 | 0.17605740 | 3.1528249 | 21 | 3 22.2 | 18.6 |
| 34422 2000 $SX_{14}$ | 14.1 | $X$ | 75.87070 | 179.92930 | 128.60771 | 14.44752 | 0.1687710 | 0.24199161 | 2.5503660 | 21 | 12 13.1 | 18.1 |
| 34423 2000 $SF_{20}$ | 14.6 | $X$ | 246.17182 | 234.95026 | 286.05024 | 10.45101 | 0.1623580 | 0.23941699 | 2.5686173 | 21 | 11 23.8 | 18.1 |
| 34424 Utashima | 14.3 | $X$ | 45.61759 | 92.12616 | 233.21043 | 9.45470 | 0.1029740 | 0.18991275 | 2.9975514 | 21 | 11 8.8 | 18.4 |
| 34425 2000 $SP_{22}$ | 15.2 | $X$ | 56.51173 | 192.63199 | 97.37053 | 8.05550 | 0.2133793 | 0.28481323 | 2.2878591 | 21 | 11 11.3 | 18.3 |
| 34426 2000 $SS_{22}$ | 14.2 | $X$ | 175.58573 | 352.35509 | 124.57014 | 1.84021 | 0.1208109 | 0.17680975 | 3.1438748 | 21 | 7 17.9 | 19.1 |
| 34427 2000 $SN_{23}$ | 13.2 | $X$ | 294.23356 | 333.87845 | 103.05983 | 12.29430 | 0.0726263 | 0.18433897 | 3.0576746 | 21 | 10 23.6 | 17.5 |
| 34428 2000 $SA_{27}$ | 13.6 | $X$ | 190.41412 | 171.07214 | 204.44037 | 21.94233 | 0.0711684 | 0.16955310 | 3.2329493 | 21 | 3 29.7 | 18.6 |
| 34429 2000 $SC_{27}$ | 14.9 | $X$ | 303.86570 | 133.67469 | 195.70688 | 10.22334 | 0.0723192 | 0.17961915 | 3.1110068 | 21 | 6 13.1 | 19.3 |
| 34430 2000 $SJ_{29}$ | 14.6 | $X$ | 213.91556 | 124.62707 | 216.50504 | 4.00287 | 0.1246403 | 0.17017224 | 3.2251029 | 21 | 3 11.9 | 19.8 |
| 34431 2000 $SZ_{33}$ | 14.9 | $X$ | 224.36489 | 3.33129 | 23.81599 | 10.69741 | 0.1668201 | 0.17446090 | 3.1720302 | 21 | 5 11.7 | 20.1 |
| 34432 2000 $SF_{36}$ | 14.7 | $X$ | 294.96149 | 2.12581 | 111.06832 | 3.45141 | 0.0423003 | 0.19487231 | 2.9464741 | 21 | 12 8.2 | 18.6 |
| 34433 2000 $SE_{37}$ | 14.6 | $X$ | 20.17821 | 135.00139 | 112.12460 | 2.72007 | 0.1093907 | 0.17880566 | 3.1204355 | 21 | 6 20.5 | 18.4 |
| 34434 2000 $SE_{39}$ | 13.8 | $X$ | 176.97483 | 296.82031 | 112.93064 | 6.37917 | 0.0634263 | 0.21793539 | 2.7347494 | 21 | 4 26.2 | 17.8 |
| 34435 2000 $SR_{39}$ | 14.7 | $X$ | 104.97568 | 123.95212 | 36.24446 | 13.94372 | 0.1227557 | 0.22211938 | 2.7002983 | 21 | 6 28.5 | 18.8 |
| 34436 2000 $SE_{40}$ | 14.2 | $X$ | 1.96799 | 236.04434 | 157.76265 | 10.78028 | 0.0398290 | 0.19237196 | 2.9719502 | 21 | 11 30.9 | 18.4 |
| 34437 2000 $SF_{43}$ | 14.7 | $X$ | 68.68775 | 274.60621 | 352.35890 | 8.42707 | 0.0865623 | 0.23283326 | 2.6168131 | 21 | 9 27.5 | 18.1 |
| 34438 2000 $SV_{44}$ | 14.0 | $X$ | 315.45641 | 267.73283 | 338.17359 | 5.98990 | 0.0855807 | 0.26240815 | 2.4163017 | 21 | 2 26.6 | 16.8 |
| 34439 2000 $SG_{45}$ | 13.0 | $X$ | 300.83484 | 321.87990 | 85.36270 | 10.99770 | 0.0198999 | 0.18751943 | 3.0230027 | 21 | 10 1.2 | 17.3 |
| 34440 2000 $SV_{46}$ | 12.7 | $X$ | 150.76236 | 191.44163 | 281.82863 | 14.32376 | 0.1936498 | 0.17724493 | 3.1387267 | 21 | 6 23.4 | 18.0 |
| 34441 2000 $SZ_{60}$ | 14.5 | $X$ | 322.39067 | 98.27545 | 168.93877 | 5.22493 | 0.1367376 | 0.17426589 | 3.1743962 | 21 | 4 12.3 | 18.6 |
| 34442 2000 $SS_{64}$ | 14.5 | $X$ | 63.66083 | 38.06266 | 141.61186 | 5.34880 | 0.1941406 | 0.26699561 | 2.3885443 | 21 | 6 8.7 | 17.0 |
| 34443 2000 $ST_{70}$ | 15.1 | $X$ | 77.10457 | 293.27919 | 118.50290 | 3.11480 | 0.0622183 | 0.20428336 | 2.8552714 | 21 | — | — |
| 34444 2000 $SW_{73}$ | 14.7 | $X$ | 27.42657 | 152.83246 | 54.82655 | 6.89051 | 0.0517744 | 0.26633363 | 2.3925006 | 21 | 4 29.6 | 17.2 |
| 34445 2000 $SX_{73}$ | 14.5 | $X$ | 124.20685 | 234.28043 | 34.21723 | 13.64487 | 0.1308151 | 0.24144838 | 2.5541899 | 21 | 12 3.9 | 18.6 |
| 34446 2000 $SN_{74}$ | 14.5 | $X$ | 88.03372 | 60.45613 | 134.61982 | 7.25697 | 0.0521701 | 0.27228436 | 2.3575139 | 21 | 7 13.6 | 17.5 |
| 34447 2000 $SU_{74}$ | 14.1 | $X$ | 115.83767 | 19.97375 | 47.35637 | 7.51202 | 0.0387469 | 0.21122775 | 2.7923428 | 21 | 3 5.7 | 18.0 |
| 34448 2000 $SC_{78}$ | 14.0 | $X$ | 150.40955 | 174.00907 | 354.04717 | 10.83838 | 0.0601019 | 0.18261632 | 3.0768736 | 21 | 8 25.4 | 18.6 |
| 34449 2000 $SJ_{79}$ | 14.5 | $X$ | 289.12794 | 139.91123 | 136.29537 | 2.19831 | 0.1183582 | 0.17038353 | 3.2224361 | 21 | 3 13.8 | 19.1 |
| 34450 2000 $SZ_{80}$ | 15.2 | $X$ | 26.41373 | 156.84657 | 86.86911 | 3.78444 | 0.1927576 | 0.27369192 | 2.3494240 | 21 | 7 4.4 | 17.0 |
| 34451 2000 $SY_{82}$ | 14.8 | $X$ | 348.06071 | 288.88455 | 126.77993 | 4.96976 | 0.0832818 | 0.19221517 | 2.9735662 | 21 | 12 10.1 | 18.6 |
| 34452 2000 $SS_{83}$ | 14.9 | $X$ | 122.23474 | 321.53227 | 157.38196 | 4.25703 | 0.0446636 | 0.21942997 | 2.7223174 | 21 | 5 16.9 | 18.6 |
| 34453 2000 $SG_{84}$ | 14.8 | $X$ | 26.18921 | 280.99543 | 151.28688 | 2.40696 | 0.0495128 | 0.20027258 | 2.8932661 | 21 | — | — |
| 34454 2000 $SB_{86}$ | 14.4 | $X$ | 276.82403 | 259.53009 | 59.68096 | 7.56822 | 0.1612365 | 0.22033399 | 2.7148659 | 21 | 4 12.7 | 18.4 |
| 34455 2000 $SW_{87}$ | 13.8 | $X$ | 240.26029 | 264.42980 | 89.02144 | 7.24836 | 0.0985239 | 0.17080235 | 3.2171661 | 21 | 4 26.7 | 18.7 |
| 34456 2000 $SG_{88}$ | 14.7 | $X$ | 336.26222 | 170.67894 | 87.18922 | 8.78584 | 0.0757947 | 0.21794159 | 2.7346976 | 21 | 4 26.2 | 18.2 |
| 34457 2000 $SW_{88}$ | 14.8 | $X$ | 89.20994 | 270.74317 | 141.49152 | 2.70290 | 0.0449690 | 0.20630544 | 2.8365836 | 21 | 1 9.4 | 18.5 |
| 34458 2000 $ST_{90}$ | 14.4 | $X$ | 18.48238 | 8.28979 | 228.53294 | 23.98804 | 0.1348013 | 0.27282793 | 2.3543815 | 21 | 5 29.1 | 16.6 |
| 34459 2000 $SC_{91}$ | 13.3 | $X$ | 304.83067 | 171.34239 | 294.28108 | 12.03889 | 0.1218022 | 0.23924669 | 2.5698361 | 21 | 12 18.3 | 16.1 |
| 34460 2000 $SV_{91}$ | 13.5 | $X$ | 145.26688 | 236.24398 | 209.54127 | 16.04247 | 0.1332305 | 0.17227303 | 3.1988303 | 21 | 5 12.9 | 18.5 |
| 34461 2000 $SC_{95}$ | 14.3 | $X$ | 341.74706 | 86.74018 | 226.80498 | 13.06087 | 0.0183405 | 0.18080048 | 3.0974407 | 21 | 7 16.8 | 18.8 |
| 34462 2000 $SD_{95}$ | 15.6 | $X$ | 167.99774 | 322.45243 | 283.51309 | 4.11399 | 0.0897830 | 0.29281636 | 2.2459797 | 21 | — | — |
| 34463 2000 $SB_{101}$ | 13.8 | $X$ | 335.52108 | 25.60184 | 328.74915 | 12.47587 | 0.1953567 | 0.18311769 | 3.0712547 | 21 | 8 24.4 | 16.8 |
| 34464 2000 $SC_{101}$ | 13.7 | $X$ | 253.41795 | 85.03001 | 269.96155 | 10.83255 | 0.0219807 | 0.17146787 | 3.2088362 | 21 | 5 18.0 | 18.3 |
| 34465 2000 $SD_{102}$ | 15.0 | $X$ | 21.21665 | 113.35628 | 349.66746 | 6.10883 | 0.0712346 | 0.20400791 | 2.8578408 | 21 | — | — |
| 34466 2000 $SN_{105}$ | 14.5 | $X$ | 96.32523 | 340.58844 | 265.68191 | 2.26152 | 0.0971779 | 0.18799746 | 3.0178760 | 21 | 10 1.3 | 19.0 |
| 34467 2000 $SC_{108}$ | 14.5 | $X$ | 9.65897 | 134.98752 | 215.17750 | 1.35969 | 0.0148198 | 0.18800138 | 3.0178341 | 21 | 10 12.6 | 18.7 |
| 34468 2000 $SS_{109}$ | 15.1 | $X$ | 351.45840 | 121.97237 | 345.46201 | 2.80782 | 0.2377535 | 0.24206694 | 2.5498369 | 21 | — | — |
| 34469 2000 $SM_{110}$ | 14.8 | $X$ | 64.23698 | 143.52657 | 207.05793 | 1.35876 | 0.0850288 | 0.19545889 | 2.9405761 | 21 | 12 30.9 | 19.1 |
| 34470 2000 $SV_{113}$ | 14.1 | $X$ | 28.38218 | 255.95221 | 35.09126 | 9.02491 | 0.0630961 | 0.18264869 | 3.0765101 | 21 | 8 31.8 | 18.3 |
| 34471 2000 $SE_{115}$ | 14.2 | $X$ | 188.60937 | 103.41433 | 177.09216 | 2.05004 | 0.1220733 | 0.20333978 | 2.8640976 | 21 | — | — |
| 34472 2000 $ST_{115}$ | 14.2 | $X$ | 216.12318 | 20.33592 | 179.83324 | 4.43504 | 0.1157491 | 0.24208145 | 2.5497350 | 21 | 12 15.9 | 17.8 |
| 34473 2000 $SC_{116}$ | 14.6 | $X$ | 105.87642 | 285.07678 | 162.77637 | 3.91816 | 0.0673259 | 0.21183356 | 2.7870165 | 21 | 3 19.9 | 18.2 |
| 34474 2000 $SJ_{116}$ | 14.2 | $X$ | 60.85159 | 293.31558 | 109.00383 | 3.06239 | 0.0648083 | 0.20027657 | 2.8932277 | 21 | — | — |
| 34475 2000 $SC_{118}$ | 14.7 | $X$ | 115.20013 | 186.19553 | 162.64334 | 2.12942 | 0.0764797 | 0.20109969 | 2.8853275 | 21 | — | — |
| 34476 2000 $SX_{118}$ | 12.9 | $X$ | 309.34919 | 0.45090 | 34.98479 | 11.61780 | 0.1201520 | 0.18381694 | 3.0634610 | 21 | 9 15.9 | 16.8 |
| 34477 2000 $SJ_{120}$ | 14.0 | $X$ | 244.35079 | 333.40835 | 120.61310 | 2.12586 | 0.1220630 | 0.18072709 | 3.0982792 | 21 | 8 29.5 | 18.5 |
| 34478 2000 $SR_{120}$ | 14.8 | $X$ | 37.97008 | 313.83334 | 103.02574 | 3.41459 | 0.0246221 | 0.19893091 | 2.9062605 | 21 | — | — |
| 34479 2000 $ST_{120}$ | 14.7 | $X$ | 355.10527 | 2.12300 | 122.72554 | 3.07323 | 0.0195143 | 0.20201207 | 2.8766333 | 21 | — | — |
| 34480 2000 $SW_{121}$ | 13.2 | $X$ | 326.69263 | 266.44864 | 39.38639 | 18.32698 | 0.1372454 | 0.17698388 | 3.1418123 | 21 | 6 3.5 | 17.3 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 34481 2000 $SF_{122}$ | 13.6 | X | 276.91433 | 317.61601 | 52.54204 | 11.55441 | 0.1047651 | 0.17717165 | 3.1395921 | 21 | 6 24.3 | 18.2 |
| 34482 2000 $SX_{122}$ | 14.4 | X | 283.33725 | 284.22925 | 76.08385 | 3.84817 | 0.0769360 | 0.17661703 | 3.1461614 | 21 | 6 24.6 | 18.8 |
| 34483 2000 $SW_{123}$ | 13.6 | X | 233.27330 | 334.71286 | 57.95956 | 10.27628 | 0.0606046 | 0.17351052 | 3.1836026 | 21 | 6 6.2 | 18.2 |
| 34484 2000 $SR_{124}$ | 14.5 | X | 12.16346 | 129.38767 | 107.90353 | 3.23807 | 0.1610254 | 0.26775419 | 2.3840308 | 21 | 5 17.9 | 16.3 |
| 34485 2000 $SF_{128}$ | 14.6 | X | 86.86105 | 271.99917 | 73.24525 | 6.22894 | 0.1155692 | 0.19697727 | 2.9254452 | 21 | — | — |
| 34486 2000 $ST_{131}$ | 14.7 | X | 50.51147 | 263.85916 | 240.64916 | 20.98326 | 0.2626697 | 0.26123201 | 2.4235489 | 21 | 3 16.0 | 17.1 |
| 34487 2000 $SE_{133}$ | 14.9 | X | 67.18327 | 259.29353 | 261.28637 | 10.39801 | 0.1911034 | 0.26651650 | 2.3914060 | 21 | 5 13.9 | 17.5 |
| 34488 2000 $SO_{135}$ | 14.3 | X | 26.35512 | 17.11253 | 237.81912 | 7.97387 | 0.0820427 | 0.17966209 | 3.1105110 | 21 | 7 7.7 | 18.3 |
| 34489 2000 $SE_{136}$ | 14.1 | X | 77.07717 | 250.18936 | 332.75236 | 9.73836 | 0.0601180 | 0.18062806 | 3.0994114 | 21 | 8 6.6 | 18.3 |
| 34490 2000 $SO_{137}$ | 13.9 | X | 303.68753 | 122.32454 | 232.16438 | 5.86818 | 0.1785290 | 0.18115385 | 3.0934114 | 21 | 6 29.4 | 17.9 |
| 34491 2000 $SB_{138}$ | 15.2 | X | 223.60499 | 333.18664 | 257.80218 | 5.36409 | 0.1692324 | 0.29732047 | 2.2232391 | 21 | — | — |
| 34492 2000 $SP_{139}$ | 14.4 | X | 341.30217 | 158.18487 | 273.63206 | 8.78766 | 0.0698117 | 0.19348794 | 2.9605117 | 21 | 12 19.7 | 18.2 |
| 34493 2000 $SR_{139}$ | 13.9 | X | 282.10430 | 134.04016 | 281.76776 | 8.50574 | 0.0785539 | 0.18280354 | 3.0747725 | 21 | 8 29.8 | 18.2 |
| 34494 2000 $SE_{144}$ | 14.6 | X | 327.52537 | 147.98739 | 246.30543 | 2.59077 | 0.1161836 | 0.18710501 | 3.0274648 | 21 | 10 8.3 | 18.2 |
| 34495 2000 $SX_{146}$ | 14.0 | X | 73.27348 | 241.81902 | 11.15004 | 9.54695 | 0.0463644 | 0.18273495 | 3.0755418 | 21 | 9 8.4 | 18.3 |
| 34496 2000 $SF_{147}$ | 14.6 | X | 145.14124 | 329.03246 | 9.67731 | 1.77444 | 0.0309806 | 0.20379163 | 2.8598625 | 21 | — | — |
| 34497 2000 $SJ_{147}$ | 14.8 | X | 351.02049 | 356.10523 | 261.06880 | 0.32746 | 0.1022915 | 0.22122898 | 2.7075389 | 21 | 5 12.4 | 17.9 |
| 34498 2000 $SF_{149}$ | 14.1 | X | 309.87029 | 29.28893 | 198.18716 | 1.96192 | 0.1475048 | 0.21120939 | 2.7925046 | 21 | 1 26.3 | 17.8 |
| 34499 2000 $SL_{150}$ | 14.0 | X | 290.41291 | 56.07349 | 13.27390 | 8.88083 | 0.1212942 | 0.18487729 | 3.0517363 | 21 | 9 27.0 | 17.9 |
| 34500 2000 $SW_{154}$ | 13.8 | X | 249.03654 | 270.49421 | 73.08597 | 1.46387 | 0.1787662 | 0.17142802 | 3.2093335 | 21 | 4 14.4 | 19.0 |
| 34501 2000 $SC_{155}$ | 13.4 | X | 281.44434 | 223.29800 | 51.31393 | 9.95399 | 0.1170100 | 0.21305351 | 2.7763673 | 21 | 3 1.9 | 17.6 |
| 34502 2000 $SE_{157}$ | 13.1 | X | 189.11430 | 306.01774 | 276.62295 | 14.15979 | 0.0429161 | 0.24157252 | 2.5533148 | 21 | 12 21.2 | 16.7 |
| 34503 2000 $SJ_{157}$ | 15.0 | X | 107.30141 | 271.67960 | 155.90511 | 1.27322 | 0.0180435 | 0.21109790 | 2.7934878 | 21 | 2 16.3 | 18.6 |
| 34504 2000 $SJ_{158}$ | 14.5 | X | 295.15829 | 93.02545 | 90.84223 | 3.08130 | 0.0117773 | 0.20158459 | 2.8806986 | 21 | — | — |
| 34505 2000 $SR_{160}$ | 15.0 | X | 242.84350 | 24.51673 | 343.24871 | 4.03961 | 0.1467912 | 0.30983204 | 2.1629766 | 21 | 4 29.2 | 18.0 |
| 34506 2000 $SO_{172}$ | 14.4 | X | 231.52751 | 63.50664 | 270.83442 | 21.53033 | 0.2875712 | 0.25793895 | 2.4441326 | 21 | 2 23.6 | 19.3 |
| 34507 2000 $SE_{174}$ | 14.2 | X | 344.64878 | 304.69583 | 261.83441 | 13.45168 | 0.1279282 | 0.21331044 | 2.7741375 | 21 | 2 12.9 | 17.9 |
| 34508 2000 $SU_{174}$ | 14.3 | X | 20.73655 | 266.86417 | 268.13880 | 10.67289 | 0.1604285 | 0.21160430 | 2.7890292 | 21 | 3 3.5 | 17.5 |
| 34509 2000 $SH_{175}$ | 15.2 | X | 212.03371 | 307.44165 | 291.64257 | 6.49101 | 0.0909695 | 0.29456055 | 2.2371048 | 21 | — | — |
| 34510 2000 $SJ_{175}$ | 14.0 | X | 112.32236 | 128.98370 | 349.61031 | 12.52885 | 0.0801354 | 0.21588323 | 2.7520529 | 21 | 5 2.6 | 18.1 |
| 34511 2000 $SK_{175}$ | 15.0 | X | 120.71369 | 331.10458 | 308.71931 | 6.37369 | 0.1735914 | 0.28979606 | 2.2615580 | 21 | 12 25.6 | 18.5 |
| 34512 2000 $SE_{178}$ | 13.9 | X | 131.42456 | 269.94324 | 354.54275 | 9.92044 | 0.0762496 | 0.19116616 | 2.9844345 | 21 | 11 26.8 | 18.6 |
| 34513 2000 $SQ_{178}$ | 13.5 | X | 137.00103 | 27.75513 | 354.22567 | 6.07496 | 0.0566077 | 0.15892494 | 3.3755252 | 21 | 2 12.1 | 18.4 |
| 34514 2000 $SQ_{180}$ | 14.5 | X | 21.27147 | 275.52973 | 341.86014 | 6.14173 | 0.2478153 | 0.27194067 | 2.3594998 | 21 | 7 25.9 | 16.0 |
| 34515 2000 $SD_{182}$ | 14.8 | X | 144.31585 | 324.95430 | 56.34587 | 9.11187 | 0.2358252 | 0.21154901 | 2.7895151 | 21 | 3 4.7 | 19.4 |
| 34516 2000 $SF_{182}$ | 14.4 | X | 14.65003 | 301.76535 | 39.21208 | 10.48753 | 0.1101097 | 0.19105909 | 2.9855493 | 21 | 10 18.7 | 18.0 |
| 34517 2000 $SC_{185}$ | 14.1 | X | 325.78956 | 338.98891 | 109.34398 | 11.72892 | 0.0825740 | 0.19339313 | 2.9614792 | 21 | 12 18.5 | 17.8 |
| 34518 2000 $SD_{185}$ | 13.8 | X | 295.42045 | 292.62750 | 133.69562 | 12.44736 | 0.0671504 | 0.18643419 | 3.0347227 | 21 | 10 11.6 | 18.0 |
| 34519 2000 $SJ_{186}$ | 14.0 | X | 108.75667 | 72.50018 | 93.87614 | 0.19729 | 0.1222306 | 0.17539492 | 3.1607590 | 21 | 7 10.9 | 18.7 |
| 34520 2000 $SC_{187}$ | 14.1 | X | 315.22016 | 342.74851 | 73.77396 | 9.80856 | 0.0544793 | 0.18903763 | 3.0067954 | 21 | 10 27.0 | 18.1 |
| 34521 2000 $SA_{191}$ | 11.6 | X | 307.23266 | 318.21226 | 4.93707 | 17.49157 | 0.0743509 | 0.08557808 | 5.0998926 | 21 | 6 9.7 | 18.4 |
| 34522 2000 $SH_{192}$ | 15.0 | X | 169.74880 | 155.69001 | 151.58400 | 2.29865 | 0.1053723 | 0.20501360 | 2.8484872 | 21 | — | — |
| 34523 2000 $SU_{194}$ | 14.4 | X | 95.76339 | 179.73677 | 25.12988 | 1.35780 | 0.1012315 | 0.18245319 | 3.0787074 | 21 | 8 11.6 | 18.9 |
| 34524 2000 $SZ_{195}$ | 15.5 | X | 64.99824 | 135.31825 | 348.25045 | 0.27635 | 0.0808331 | 0.21380409 | 2.7698657 | 21 | 3 10.8 | 18.8 |
| 34525 2000 $SQ_{205}$ | 14.9 | X | 18.12647 | 0.11739 | 202.42085 | 2.42883 | 0.1620838 | 0.26379859 | 2.4078036 | 21 | 4 3.4 | 16.9 |
| 34526 2000 $SY_{205}$ | 13.7 | X | 141.65548 | 346.76690 | 141.70370 | 1.56034 | 0.1429496 | 0.17224468 | 3.1991812 | 21 | 6 30.1 | 18.7 |
| 34527 2000 $SQ_{208}$ | 15.3 | X | 64.56823 | 33.28075 | 131.55397 | 1.92843 | 0.1286296 | 0.26691005 | 2.3890547 | 21 | 5 7.2 | 17.6 |
| 34528 2000 $SW_{211}$ | 14.2 | X | 269.54561 | 340.25653 | 121.88476 | 10.81136 | 0.0465473 | 0.18819560 | 3.0157574 | 21 | 10 25.2 | 18.5 |
| 34529 2000 $SD_{212}$ | 13.7 | X | 178.03707 | 72.92682 | 164.41465 | 15.17404 | 0.0765903 | 0.24291412 | 2.5439049 | 21 | 12 24.2 | 17.7 |
| 34530 2000 $ST_{212}$ | 14.0 | X | 42.81567 | 274.58907 | 85.42339 | 11.70010 | 0.1281841 | 0.19343973 | 2.9610036 | 21 | 12 22.3 | 17.9 |
| 34531 2000 $SY_{212}$ | 14.3 | X | 138.58754 | 156.00619 | 87.30987 | 9.92730 | 0.0410075 | 0.19045962 | 2.9918107 | 21 | 11 12.7 | 18.7 |
| 34532 2000 $SO_{213}$ | 13.0 | X | 242.30095 | 341.93484 | 79.21380 | 11.99042 | 0.2110083 | 0.17738984 | 3.1370171 | 21 | 7 7.3 | 18.0 |
| 34533 2000 $SS_{213}$ | 14.0 | X | 266.42529 | 350.02068 | 94.36559 | 10.63235 | 0.0792927 | 0.18398629 | 3.0615809 | 21 | 9 24.4 | 18.4 |
| 34534 2000 $SL_{216}$ | 15.0 | X | 341.93255 | 133.69546 | 89.83364 | 7.46779 | 0.0680030 | 0.26228229 | 2.4170747 | 21 | 3 13.3 | 17.9 |
| 34535 2000 $SR_{220}$ | 14.6 | X | 88.22774 | 127.18714 | 91.06925 | 10.92644 | 0.0395646 | 0.22663688 | 2.6642951 | 21 | 8 15.7 | 18.3 |
| 34536 2000 $SJ_{221}$ | 13.9 | X | 19.55699 | 339.20171 | 159.21133 | 12.71163 | 0.1189590 | 0.20466889 | 2.8516846 | 21 | 1 18.9 | 17.3 |
| 34537 2000 $SW_{221}$ | 14.2 | X | 69.74735 | 222.43435 | 100.17089 | 13.05753 | 0.1584347 | 0.19184894 | 2.9773492 | 21 | 12 13.1 | 18.6 |
| 34538 2000 $SA_{222}$ | 13.8 | X | 15.74855 | 173.51008 | 116.41920 | 12.71642 | 0.1120287 | 0.17914266 | 3.1165209 | 21 | 8 11.9 | 17.6 |
| 34539 2000 $SL_{223}$ | 15.3 | X | 359.99578 | 10.40424 | 223.52285 | 1.12647 | 0.0172072 | 0.21914310 | 2.7246926 | 21 | 4 29.1 | 18.8 |
| 34540 2000 $SW_{225}$ | 13.7 | X | 277.38257 | 216.20713 | 128.91619 | 8.40516 | 0.0414417 | 0.17241162 | 3.1971158 | 21 | 6 4.3 | 18.3 |
| 34541 2000 $SB_{228}$ | 14.9 | X | 122.31318 | 35.16439 | 216.23795 | 3.51014 | 0.0408117 | 0.19001077 | 2.9965204 | 21 | 11 1.6 | 19.3 |
| 34542 2000 $SC_{228}$ | 14.4 | X | 336.11736 | 246.07775 | 11.03415 | 10.10867 | 0.0721129 | 0.17145167 | 3.2090383 | 21 | 4 24.0 | 18.7 |
| 34543 Davidbriggs | 14.7 | X | 146.00864 | 336.92431 | 301.26452 | 1.10432 | 0.0538001 | 0.19575317 | 2.9376283 | 21 | 12 30.9 | 19.1 |
| 34544 2000 $SP_{233}$ | 15.4 | X | 205.86918 | 94.37513 | 111.82736 | 7.31520 | 0.1080821 | 0.29210120 | 2.2496441 | 21 | 12 22.4 | 18.1 |
| 34545 2000 $SB_{234}$ | 15.3 | X | 61.65499 | 37.19191 | 77.47700 | 7.26452 | 0.1051264 | 0.25849719 | 2.4406125 | 21 | 2 18.1 | 17.9 |
| 34546 2000 $SG_{234}$ | 14.3 | X | 309.35166 | 243.73520 | 73.19435 | 6.85632 | 0.2614636 | 0.27449508 | 2.3448389 | 21 | 4 29.9 | 17.0 |
| 34547 2000 $SH_{234}$ | 14.0 | X | 312.30951 | 274.85321 | 95.59636 | 8.86163 | 0.1329277 | 0.18373014 | 3.0644258 | 21 | 8 13.2 | 17.9 |
| 34548 2000 $SY_{237}$ | 14.5 | X | 254.05680 | 210.93093 | 69.87497 | 10.78791 | 0.2651656 | 0.26207418 | 2.4183541 | 21 | 1 21.1 | 18.8 |
| 34549 2000 $SA_{238}$ | 13.9 | X | 184.15225 | 82.72889 | 141.23488 | 11.20318 | 0.0372972 | 0.19356838 | 2.9596914 | 21 | 12 9.9 | 18.4 |
| 34550 2000 $SU_{238}$ | 13.6 | X | 160.26849 | 73.36603 | 106.63756 | 7.82179 | 0.1531541 | 0.18256160 | 3.0774885 | 21 | 9 22.2 | 18.7 |
| 34551 2000 $SJ_{242}$ | 14.4 | X | 333.04584 | 319.35394 | 6.12669 | 8.91961 | 0.1273188 | 0.23096332 | 2.6309183 | 21 | 7 19.8 | 17.4 |
| 34552 2000 $SV_{242}$ | 14.6 | X | 178.79134 | 152.87430 | 323.84859 | 1.84710 | 0.0959241 | 0.18080341 | 3.0974072 | 21 | 7 21.1 | 19.4 |
| 34553 2000 $SV_{246}$ | 12.1 | X | 225.35626 | 19.16093 | 22.06596 | 14.95212 | 0.0519739 | 0.08122593 | 5.2804740 | 21 | 6 9.6 | 19.4 |
| 34554 2000 $ST_{251}$ | 14.1 | X | 268.15627 | 131.31735 | 158.09512 | 1.38142 | 0.1448427 | 0.16956708 | 3.2327716 | 21 | 3 3.1 | 19.0 |
| 34555 2000 $SE_{262}$ | 14.7 | X | 302.76747 | 215.95759 | 128.12819 | 3.15964 | 0.0704142 | 0.18023270 | 3.1039424 | 21 | 6 30.7 | 18.9 |
| 34556 2000 $SX_{265}$ | 13.7 | X | 328.15059 | 289.18473 | 65.45793 | 8.60545 | 0.0516797 | 0.22989810 | 2.6390389 | 21 | 8 30.7 | 17.1 |
| 34557 2000 $SE_{270}$ | 14.2 | X | 53.73082 | 278.02902 | 70.93142 | 11.13755 | 0.1196595 | 0.19214099 | 2.9743315 | 21 | 12 20.4 | 18.4 |
| 34558 2000 $SM_{270}$ | 14.6 | X | 215.17575 | 136.12923 | 52.37687 | 9.55186 | 0.0318558 | 0.19195709 | 2.9762308 | 21 | 11 30.7 | 18.9 |
| 34559 2000 $SN_{272}$ | 15.0 | X | 359.52883 | 190.01297 | 338.94037 | 2.94307 | 0.0359370 | 0.20950978 | 2.8075867 | 21 | 2 3.8 | 18.7 |
| 34560 2000 $SF_{280}$ | 12.7 | X | 161.01076 | 326.84175 | 255.70679 | 9.74348 | 0.1095774 | 0.19056423 | 2.9907156 | 21 | 11 8.0 | 17.5 |

| Planet | H | G | M | ω | Ω | i | e | μ | a | TE | Oppos. | V |
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| | m | | ° | ° | ° | ° | | ° | | | | |
| 34561 2000 $SQ_{285}$ | 13.7 | X | 12.72622 | 20.75987 | 225.79047 | 9.22678 | 0.0550557 | 0.17434617 | 3.1734216 | 21 | 6 6.1 | 17.8 |
| 34562 2000 $SW_{287}$ | 13.4 | X | 12.32163 | 334.30977 | 352.95694 | 12.17059 | 0.1512355 | 0.18340107 | 3.0680903 | 21 | 9 26.3 | 16.9 |
| 34563 2000 $SS_{290}$ | 14.3 | X | 147.56843 | 245.51554 | 294.75065 | 13.85823 | 0.0722402 | 0.23059358 | 2.6337300 | 21 | 9 1.1 | 18.4 |
| 34564 2000 $SN_{292}$ | 14.3 | X | 18.22417 | 244.74020 | 318.06555 | 11.96929 | 0.1746413 | 0.21476896 | 2.7615635 | 21 | 4 6.1 | 17.3 |
| 34565 2000 $SY_{292}$ | 13.9 | X | 191.88460 | 341.22198 | 256.64819 | 11.75735 | 0.0512771 | 0.19528156 | 2.9423561 | 21 | 12 31.7 | 18.3 |
| 34566 2000 $SE_{294}$ | 13.8 | X | 203.87098 | 116.84673 | 26.70226 | 15.63909 | 0.1397441 | 0.22730512 | 2.6590708 | 21 | 9 23.8 | 18.0 |
| 34567 2000 $SR_{297}$ | 14.2 | X | 37.93272 | 335.65522 | 308.56127 | 8.40128 | 0.0582355 | 0.18394861 | 3.0619990 | 21 | 8 29.0 | 18.3 |
| 34568 2000 $SP_{305}$ | 13.7 | X | 306.34467 | 70.89971 | 3.67313 | 9.82900 | 0.1087473 | 0.18828838 | 3.0147666 | 21 | 10 25.9 | 17.5 |
| 34569 2000 $ST_{306}$ | 14.5 | X | 332.48779 | 302.12918 | 264.67915 | 5.25858 | 0.0584175 | 0.21068090 | 2.7971726 | 21 | 2 10.1 | 18.2 |
| 34570 2000 $SZ_{307}$ | 14.1 | X | 329.22601 | 265.40301 | 335.00878 | 8.37792 | 0.1663665 | 0.21576081 | 2.7530938 | 21 | 3 5.6 | 17.6 |
| 34571 2000 $SA_{308}$ | 14.6 | X | 316.38866 | 296.34133 | 265.00636 | 7.08573 | 0.1519183 | 0.25461918 | 2.4653314 | 21 | — | — |
| 34572 2000 $SY_{310}$ | 13.1 | X | 11.61142 | 127.09317 | 292.52209 | 14.20418 | 0.0782466 | 0.24336117 | 2.5407886 | 21 | — | — |
| 34573 2000 $SG_{316}$ | 14.1 | X | 202.74821 | 159.38703 | 250.17878 | 15.60942 | 0.1017684 | 0.17543644 | 3.1602602 | 21 | 5 23.1 | 19.1 |
| 34574 2000 $SW_{319}$ | 13.9 | X | 309.62915 | 63.63808 | 316.78768 | 8.54357 | 0.0953433 | 0.18023044 | 3.1039684 | 21 | 8 23.3 | 18.0 |
| 34575 2000 $SH_{327}$ | 13.9 | X | 175.59700 | 359.81278 | 125.61007 | 13.62550 | 0.2160827 | 0.22501378 | 2.6770920 | 21 | 7 29.3 | 18.4 |
| 34576 2000 $SA_{329}$ | 14.3 | X | 218.34051 | 171.60022 | 59.47229 | 7.03485 | 0.0886781 | 0.19940924 | 2.9016110 | 21 | — | — |
| 34577 2000 $SP_{336}$ | 14.4 | X | 163.81925 | 191.25736 | 64.49542 | 4.34096 | 0.1367224 | 0.24202453 | 2.5501347 | 21 | 12 28.0 | 18.4 |
| 34578 2000 $SL_{338}$ | 14.1 | X | 146.37023 | 32.55797 | 149.24966 | 17.23982 | 0.0421387 | 0.18445792 | 3.0563600 | 21 | 9 4.9 | 18.5 |
| 34579 2000 $SR_{339}$ | 14.5 | X | 217.85191 | 252.83278 | 14.31240 | 14.91347 | 0.1247486 | 0.20438782 | 2.8542984 | 21 | — | — |
| 34580 2000 $SA_{343}$ | 14.7 | X | 251.57246 | 163.69830 | 16.46550 | 2.00462 | 0.0571915 | 0.19540450 | 2.9411218 | 21 | — | — |
| 34581 2000 $SC_{348}$ | 13.6 | X | 69.79319 | 347.72471 | 70.76289 | 16.42145 | 0.1046278 | 0.15830111 | 3.3843875 | 21 | 1 9.9 | 18.2 |
| 34582 2000 $SH_{348}$ | 14.4 | X | 151.49519 | 86.93683 | 97.77306 | 14.23059 | 0.1221777 | 0.23407061 | 2.6075829 | 21 | 9 26.8 | 18.7 |
| 34583 2000 $SN_{351}$ | 14.4 | X | 162.51933 | 340.48673 | 131.17963 | 14.67736 | 0.1584525 | 0.22224807 | 2.6992558 | 21 | 6 30.2 | 18.9 |
| 34584 2000 $SX_{351}$ | 14.4 | X | 163.90147 | 5.05271 | 113.54278 | 14.32721 | 0.1262973 | 0.22344120 | 2.6896383 | 21 | 7 8.9 | 18.5 |
| 34585 2000 $SJ_{352}$ | 14.7 | X | 249.23634 | 310.11127 | 52.09878 | 7.62984 | 0.1484122 | 0.27196354 | 2.3593675 | 21 | 5 3.5 | 18.1 |
| 34586 2000 $SK_{352}$ | 13.8 | X | 125.76405 | 122.48432 | 96.30149 | 11.54708 | 0.0482284 | 0.19001905 | 2.9964333 | 21 | 10 3.1 | 18.4 |
| 34587 2000 $SA_{357}$ | 14.4 | X | 144.59795 | 246.58524 | 47.39047 | 7.31948 | 0.2007173 | 0.25266797 | 2.4780074 | 21 | — | — |
| 34588 2000 $TL$ | 13.6 | X | 95.54133 | 326.30430 | 314.14481 | 11.82627 | 0.1689423 | 0.23774544 | 2.5806429 | 21 | 11 23.0 | 17.8 |
| 34589 2000 $TO_{2}$ | 15.3 | X | 15.75514 | 217.25711 | 341.62501 | 3.78274 | 0.0277746 | 0.22030728 | 2.7150853 | 21 | 4 2.7 | 18.9 |
| 34590 2000 $TS_{2}$ | 14.9 | X | 5.84003 | 327.48488 | 164.68077 | 12.14438 | 0.1016140 | 0.20868110 | 2.8150145 | 21 | — | — |
| 34591 2000 $TB_{15}$ | 14.1 | X | 78.37597 | 160.06391 | 40.60223 | 1.29964 | 0.1119091 | 0.17519873 | 3.1631182 | 21 | 7 16.8 | 18.4 |
| 34592 2000 $TM_{17}$ | 14.9 | X | 358.86737 | 258.13619 | 62.83895 | 2.14494 | 0.1091331 | 0.18229051 | 3.0805387 | 21 | 8 25.4 | 18.5 |
| 34593 2000 $TD_{19}$ | 13.5 | X | 340.70151 | 246.14838 | 126.82600 | 11.50851 | 0.1057367 | 0.18856797 | 3.0117859 | 21 | 10 8.7 | 17.3 |
| 34594 2000 $TP_{24}$ | 14.6 | X | 251.59555 | 43.65581 | 90.78435 | 4.25373 | 0.0739896 | 0.19062960 | 2.9900319 | 21 | 11 4.5 | 18.7 |
| 34595 2000 $TR_{29}$ | 14.3 | X | 60.57575 | 254.57006 | 293.68819 | 19.67256 | 0.2992612 | 0.26643635 | 2.3918856 | 21 | 7 6.8 | 16.8 |
| 34596 2000 $TB_{34}$ | 14.2 | X | 17.89316 | 243.40114 | 38.07440 | 11.76811 | 0.1670808 | 0.22562677 | 2.6722411 | 21 | 8 17.3 | 17.2 |
| 34597 2000 $TO_{36}$ | 14.5 | X | 291.56349 | 95.05275 | 85.44487 | 3.32721 | 0.0240799 | 0.20125153 | 2.8838761 | 21 | — | — |
| 34598 2000 $TC_{38}$ | 14.3 | X | 67.55145 | 348.41338 | 31.48025 | 12.62666 | 0.0211402 | 0.20239149 | 2.8730370 | 21 | — | — |
| 34599 2000 $TV_{39}$ | 15.0 | X | 166.61305 | 291.25814 | 68.82857 | 7.33524 | 0.0829389 | 0.21284135 | 2.7782119 | 21 | 2 13.9 | 19.2 |
| 34600 2000 $TY_{39}$ | 14.4 | X | 288.66678 | 12.77943 | 23.08104 | 15.63295 | 0.0782882 | 0.18491953 | 3.0512716 | 21 | 8 25.1 | 18.8 |
| 34601 2000 $TR_{51}$ | 14.4 | X | 106.10561 | 171.76979 | 122.57162 | 11.92685 | 0.0835704 | 0.19296189 | 2.9658899 | 21 | 12 10.7 | 19.0 |
| 34602 2000 $TO_{57}$ | 13.8 | X | 41.20103 | 204.39547 | 90.32836 | 11.58217 | 0.0841040 | 0.18791975 | 3.0187079 | 21 | 9 28.9 | 18.0 |
| 34603 2000 $TS_{60}$ | 13.5 | X | 240.47841 | 328.89263 | 92.81022 | 14.03640 | 0.1680153 | 0.17758277 | 3.1347446 | 21 | 7 10.3 | 18.4 |
| 34604 2000 $TW_{60}$ | 14.4 | X | 135.73200 | 58.98354 | 85.95775 | 13.68597 | 0.0650427 | 0.22378215 | 2.6869057 | 21 | 7 8.6 | 18.2 |
| 34605 2000 $US$ | 14.6 | X | 343.18774 | 219.33422 | 49.92546 | 10.10044 | 0.1085415 | 0.22013663 | 2.7164883 | 21 | 5 15.3 | 17.8 |
| 34606 2000 $UT$ | 14.7 | X | 21.65341 | 198.13913 | 79.23034 | 3.01027 | 0.0323193 | 0.22495399 | 2.6775664 | 21 | 7 30.2 | 18.1 |
| 34607 2000 $UD_{3}$ | 14.1 | X | 56.05338 | 293.23011 | 36.65019 | 11.29668 | 0.1161199 | 0.19045865 | 2.9918209 | 21 | 11 27.9 | 18.4 |
| 34608 2000 $UW_{7}$ | 14.1 | X | 41.32737 | 262.84926 | 46.04789 | 10.13308 | 0.0773297 | 0.18502747 | 3.0500848 | 21 | 10 12.5 | 18.3 |
| 34609 2000 $UK_{8}$ | 13.5 | X | 196.43813 | 133.70592 | 47.81678 | 11.53033 | 0.0543427 | 0.18646902 | 3.0343448 | 21 | 10 30.8 | 18.0 |
| 34610 2000 $UV_{9}$ | 13.4 | X | 242.18727 | 64.38038 | 59.87780 | 10.50904 | 0.0490870 | 0.18354319 | 3.0665064 | 21 | 10 16.6 | 17.8 |
| 34611 Nacogdoches | 14.3 | X | 46.57038 | 204.07852 | 19.17107 | 1.87949 | 0.1076238 | 0.17389694 | 3.1788845 | 21 | 6 30.8 | 18.4 |
| 34612 2000 $UN_{13}$ | 13.9 | X | 268.08965 | 70.74083 | 266.57706 | 4.81301 | 0.1464677 | 0.17340502 | 3.1848936 | 21 | 4 27.2 | 18.6 |
| 34613 2000 $UR_{13}$ | 16.0 | X | 102.85477 | 286.20197 | 315.28371 | 6.17588 | 0.3874381 | 0.33124218 | 2.0687387 | 21 | 11 4.0 | 19.9 |
| 34614 2000 $UF_{19}$ | 13.8 | X | 309.26423 | 195.31053 | 127.39329 | 14.21497 | 0.1504007 | 0.22205463 | 2.7008232 | 21 | 6 1.6 | 17.4 |
| 34615 2000 $UQ_{27}$ | 13.6 | X | 276.43828 | 191.76847 | 97.07200 | 10.56675 | 0.1211544 | 0.21180438 | 2.7872725 | 21 | 3 13.4 | 17.8 |
| 34616 2000 $UO_{38}$ | 14.7 | X | 72.54657 | 307.02032 | 9.40653 | 3.69718 | 0.1306531 | 0.19104535 | 2.9856925 | 21 | 12 3.8 | 19.0 |
| 34617 2000 $UU_{48}$ | 13.9 | X | 92.09143 | 202.56449 | 53.89170 | 10.47406 | 0.0712936 | 0.18255140 | 3.0776031 | 21 | 10 10.4 | 18.4 |
| 34618 2000 $UX_{49}$ | 13.7 | X | 344.59592 | 256.20752 | 62.83646 | 18.25510 | 0.1627652 | 0.17848228 | 3.1242035 | 21 | 7 29.8 | 17.5 |
| 34619 2000 $UX_{53}$ | 13.6 | X | 282.76709 | 63.58042 | 80.49880 | 9.95600 | 0.0450218 | 0.19240712 | 2.9715882 | 21 | 12 28.9 | 17.6 |
| 34620 2000 $UX_{54}$ | 13.9 | X | 247.28194 | 230.51425 | 105.55808 | 6.29515 | 0.1645235 | 0.21564704 | 2.7540620 | 21 | 4 3.9 | 18.3 |
| 34621 2000 $UR_{55}$ | 13.7 | X | 75.24606 | 244.30973 | 84.21002 | 9.69050 | 0.0842388 | 0.19040358 | 2.9923977 | 21 | 12 16.0 | 18.0 |
| 34622 2000 $UK_{58}$ | 13.9 | X | 111.76152 | 41.50486 | 246.83473 | 7.65088 | 0.0572432 | 0.19288063 | 2.9667228 | 21 | 12 5.9 | 18.2 |
| 34623 2000 $US_{59}$ | 14.1 | X | 244.82450 | 118.57728 | 1.37302 | 11.18705 | 0.0806504 | 0.18553851 | 3.0444815 | 21 | 10 5.0 | 18.4 |
| 34624 2000 $UB_{62}$ | 14.0 | X | 323.76891 | 198.84749 | 236.60109 | 9.30980 | 0.0218798 | 0.19093547 | 2.9868378 | 21 | 11 29.5 | 18.1 |
| 34625 2000 $UT_{68}$ | 14.4 | X | 236.83389 | 313.28676 | 248.66740 | 7.81873 | 0.0245213 | 0.19645369 | 2.9306408 | 21 | — | — |
| 34626 2000 $UN_{69}$ | 13.8 | X | 57.20647 | 267.54640 | 22.14866 | 9.98117 | 0.0449632 | 0.18416308 | 3.0596212 | 21 | 10 2.9 | 18.1 |
| 34627 2000 $UW_{95}$ | 13.8 | X | 275.67642 | 359.92409 | 348.36041 | 6.05973 | 0.1469220 | 0.17394986 | 3.1782398 | 21 | 5 18.9 | 18.5 |
| 34628 2000 $UA_{99}$ | 13.8 | X | 138.20362 | 5.01777 | 276.29918 | 8.50192 | 0.0526087 | 0.19249698 | 2.9706634 | 21 | 12 25.7 | 18.1 |
| 34629 2000 $UK_{107}$ | 14.2 | X | 314.36833 | 19.06148 | 89.86045 | 12.13011 | 0.0626116 | 0.19296368 | 2.9658715 | 21 | 12 27.3 | 18.0 |
| 34630 2000 $UX_{107}$ | 13.8 | X | 296.77441 | 229.25829 | 86.53563 | 11.87057 | 0.0904582 | 0.21941005 | 2.7224821 | 21 | 5 14.2 | 17.5 |
| 34631 2000 $UY_{107}$ | 13.4 | X | 208.23608 | 20.57221 | 104.19745 | 10.14458 | 0.1772830 | 0.17667560 | 3.1454660 | 21 | 8 27.9 | 18.6 |
| 34632 2000 $UY_{109}$ | 14.1 | X | 225.60215 | 266.00699 | 98.99978 | 9.81182 | 0.1746433 | 0.21580904 | 2.7526835 | 21 | 4 19.9 | 18.7 |
| 34633 2000 $VN_{11}$ | 14.3 | X | 312.30310 | 86.11404 | 227.85764 | 8.59967 | 0.1453768 | 0.22223714 | 2.6993443 | 21 | 5 22.8 | 17.6 |
| 34634 2000 $VQ_{17}$ | 14.4 | X | 322.18846 | 191.96984 | 75.97648 | 8.44523 | 0.1013393 | 0.21471804 | 2.7620001 | 21 | 4 15.7 | 18.0 |
| 34635 2000 $VH_{29}$ | 13.3 | X | 127.93253 | 36.59161 | 149.04930 | 5.82392 | 0.0918252 | 0.17382200 | 3.1797981 | 21 | 8 21.7 | 18.1 |
| 34636 Lauwingkai | 13.6 | X | 35.88384 | 237.98011 | 53.53281 | 14.87523 | 0.1030126 | 0.17981198 | 3.1087822 | 21 | 9 20.9 | 17.9 |
| 34637 2000 $VR_{41}$ | 14.0 | X | 172.73728 | 250.00774 | 321.26714 | 3.62398 | 0.1090891 | 0.18920918 | 3.0049776 | 21 | 11 5.7 | 18.7 |
| 34638 2000 $VV_{54}$ | 13.4 | X | 7.96709 | 64.41625 | 258.89891 | 11.45037 | 0.2577847 | 0.18378037 | 3.0638674 | 21 | 9 19.0 | 16.7 |
| 34639 2000 $WG_{1}$ | 14.0 | X | 22.41522 | 270.64635 | 53.55648 | 15.22800 | 0.2077994 | 0.23824732 | 2.5770175 | 21 | 11 1.1 | 16.8 |
| 34640 2000 $WN_{1}$ | 14.4 | X | 335.74584 | 347.44238 | 24.23441 | 15.84397 | 0.1298194 | 0.23677539 | 2.5876866 | 21 | 10 3.8 | 17.0 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 34641 2000 $WL_2$ | 14.3 | X | 346.51735 | 234.93023 | 97.95825 | 11.55617 | 0.0979840 | 0.18119902 | 3.0928973 | 21 | 8 23.3 | 18.2 |
| 34642 2000 $WN_2$ | 10.8 | X | 307.86178 | 266.49888 | 45.18512 | 19.62694 | 0.0987345 | 0.08276989 | 5.2146014 | 21 | 5 24.9 | 17.6 |
| 34643 2000 $WQ_3$ | 14.3 | X | 246.36854 | 178.16418 | 81.51275 | 14.14063 | 0.1653015 | 0.25792057 | 2.4442487 | 21 | — | — |
| 34644 2000 $WX_{13}$ | 14.5 | X | 347.86152 | 330.82247 | 278.90457 | 3.80819 | 0.1561878 | 0.26439981 | 2.4041522 | 21 | 4 11.9 | 16.9 |
| 34645 2000 $WT_{67}$ | 14.1 | X | 50.78413 | 227.18616 | 99.77707 | 11.47907 | 0.1217999 | 0.18788937 | 3.0190334 | 21 | 11 22.7 | 18.3 |
| 34646 2000 $WT_{95}$ | 15.0 | X | 162.20922 | 333.10645 | 91.86858 | 0.43391 | 0.0554561 | 0.21167472 | 2.7884106 | 21 | 4 26.0 | 18.8 |
| 34647 2000 $WV_{97}$ | 13.8 | X | 6.11600 | 244.36373 | 71.19069 | 9.38814 | 0.1589028 | 0.27282126 | 2.3544198 | 21 | 9 19.8 | 16.0 |
| 34648 2000 $WZ_{101}$ | 14.0 | X | 281.30366 | 258.26258 | 101.16855 | 12.34170 | 0.0629146 | 0.22252381 | 2.6970255 | 21 | 6 22.5 | 17.6 |
| 34649 2000 $WB_{103}$ | 13.5 | X | 64.99886 | 322.66289 | 172.66799 | 8.88521 | 0.0969783 | 0.15906137 | 3.3735947 | 21 | 4 6.4 | 17.9 |
| 34650 2000 $WK_{108}$ | 15.3 | X | 181.58688 | 174.77969 | 292.72312 | 6.06773 | 0.0730856 | 0.26821737 | 2.3812854 | 21 | 7 13.3 | 18.6 |
| 34651 2000 $WQ_{114}$ | 14.6 | X | 210.07598 | 16.72048 | 18.09589 | 3.52543 | 0.0679562 | 0.21476193 | 2.7616238 | 21 | 5 11.0 | 18.7 |
| 34652 2000 $WN_{136}$ | 15.0 | X | 188.65818 | 207.41511 | 29.34042 | 5.56540 | 0.1140626 | 0.24041032 | 2.5615371 | 21 | 12 31.2 | 18.9 |
| 34653 2000 $WJ_{144}$ | 14.3 | X | 103.56173 | 78.36021 | 139.92030 | 13.06044 | 0.1239428 | 0.22823816 | 2.6518190 | 21 | 9 14.5 | 18.2 |
| 34654 2000 $WF_{145}$ | 14.1 | X | 340.98842 | 264.25732 | 100.09630 | 15.06366 | 0.0890463 | 0.18381648 | 3.0634661 | 21 | 9 30.3 | 18.2 |
| 34655 2000 $WS_{151}$ | 13.5 | X | 255.51851 | 254.33192 | 124.42879 | 20.57624 | 0.0802811 | 0.17289784 | 3.1911190 | 21 | 6 16.2 | 18.4 |
| 34656 2000 $WL_{152}$ | 14.1 | X | 40.14525 | 38.54354 | 277.17369 | 12.34116 | 0.1634036 | 0.23675169 | 2.5878593 | 21 | 11 2.8 | 17.5 |
| 34657 2000 $WG_{154}$ | 13.9 | X | 55.86345 | 285.07930 | 357.04240 | 10.38951 | 0.0618182 | 0.18206335 | 3.0831006 | 21 | 9 22.1 | 18.2 |
| 34658 2000 $WS_{158}$ | 14.1 | X | 119.33168 | 112.93193 | 111.83834 | 12.61751 | 0.1760743 | 0.22716386 | 2.6601731 | 21 | 10 16.4 | 18.6 |
| 34659 2000 $WS_{159}$ | 14.0 | X | 121.91652 | 63.86061 | 159.66949 | 2.77277 | 0.1305600 | 0.18123659 | 3.0924698 | 21 | 10 4.8 | 18.7 |
| 34660 2000 $WB_{162}$ | 13.9 | X | 67.66050 | 143.01236 | 109.80416 | 16.84915 | 0.0674206 | 0.17793556 | 3.1305998 | 21 | 9 6.2 | 18.5 |
| 34661 2000 $WQ_{165}$ | 13.8 | X | 26.10761 | 209.13553 | 108.18117 | 10.84358 | 0.0833765 | 0.18284951 | 3.0742570 | 21 | 10 4.9 | 18.0 |
| 34662 2000 $WA_{172}$ | 14.9 | X | 295.07206 | 10.49038 | 137.57496 | 14.81336 | 0.0792920 | 0.24214486 | 2.5492898 | 21 | — | — |
| 34663 2000 $WT_{173}$ | 13.4 | X | 314.73776 | 349.35489 | 89.81447 | 12.96786 | 0.0694654 | 0.18898331 | 3.0073715 | 21 | 11 22.2 | 17.3 |
| 34664 2000 $WW_{182}$ | 14.2 | X | 268.77464 | 346.05479 | 121.18959 | 15.98478 | 0.0425198 | 0.23588716 | 2.5941784 | 21 | 11 9.4 | 17.9 |
| 34665 2000 $WW_{184}$ | 14.2 | X | 307.14080 | 257.28577 | 138.25730 | 14.70687 | 0.1841187 | 0.23273611 | 2.6175413 | 21 | 9 6.1 | 16.9 |
| 34666 Bohyunsan | 14.6 | X | 54.23564 | 108.72968 | 144.63774 | 0.52178 | 0.1512878 | 0.17408989 | 3.1765352 | 21 | 8 26.9 | 18.7 |
| 34667 2000 $XJ_{19}$ | 13.3 | X | 345.09665 | 285.94724 | 20.53933 | 17.84688 | 0.1856542 | 0.17531713 | 3.1616939 | 21 | 7 10.6 | 17.2 |
| 34668 2000 $XW_{39}$ | 12.9 | X | 153.73999 | 185.08649 | 322.47012 | 19.49287 | 0.0882072 | 0.17310979 | 3.1885138 | 21 | 8 4.2 | 17.8 |
| 34669 2000 $YO_5$ | 12.7 | X | 330.71862 | 227.54405 | 127.28212 | 24.31524 | 0.2928358 | 0.18509762 | 3.0493141 | 21 | 8 3.9 | 15.5 |
| 34670 2000 $YL_{11}$ | 12.6 | X | 112.35447 | 8.23776 | 119.02206 | 23.76679 | 0.0624800 | 0.16976161 | 3.2303015 | 21 | 5 27.1 | 17.7 |
| 34671 2000 $YY_{18}$ | 15.2 | X | 267.26310 | 319.76220 | 130.25398 | 2.56959 | 0.2059410 | 0.27174951 | 2.3606061 | 21 | 9 17.6 | 17.9 |
| 34672 2000 $YU_{53}$ | 13.6 | X | 245.36589 | 30.65448 | 120.83519 | 10.92502 | 0.0422996 | 0.18460811 | 3.0547021 | 21 | 11 22.9 | 18.0 |
| 34673 2000 $YM_{70}$ | 13.8 | X | 64.40628 | 206.98749 | 89.10100 | 11.84594 | 0.1424426 | 0.18306840 | 3.0718060 | 21 | 11 5.3 | 18.3 |
| 34674 2000 $YE_{78}$ | 12.9 | X | 318.64500 | 263.65320 | 107.48885 | 14.12608 | 0.2220064 | 0.17853238 | 3.1236190 | 21 | 8 12.9 | 16.5 |
| 34675 2000 $YR_{115}$ | 15.2 | X | 107.03979 | 39.46088 | 84.20052 | 3.88445 | 0.1309802 | 0.25514047 | 2.4619722 | 21 | 5 13.4 | 18.4 |
| 34676 2000 $YF_{126}$ | 14.0 | X | 317.66894 | 175.18955 | 127.99228 | 18.86861 | 0.1511181 | 0.17169571 | 3.2059968 | 21 | 5 24.8 | 18.5 |
| 34677 2000 $YB_{135}$ | 13.8 | X | 55.60596 | 173.04043 | 126.24855 | 13.52020 | 0.1335258 | 0.18490622 | 3.0514180 | 21 | 10 30.0 | 18.2 |
| 34678 2001 $AB_{29}$ | 14.4 | X | 107.54132 | 138.68168 | 307.74083 | 4.32278 | 0.1521676 | 0.25427132 | 2.4675794 | 21 | 3 24.4 | 17.6 |
| 34679 2001 $BH_{17}$ | 14.4 | X | 54.17167 | 215.96108 | 140.24821 | 10.68523 | 0.1884003 | 0.23620600 | 2.5918435 | 21 | — | — |
| 34680 2001 $BR_{21}$ | 14.8 | X | 62.66098 | 103.99483 | 92.11952 | 4.94212 | 0.0367002 | 0.21542916 | 2.7559187 | 21 | 6 7.5 | 18.3 |
| 34681 2001 $BB_{22}$ | 15.6 | X | 191.35626 | 300.57030 | 261.65491 | 5.05448 | 0.0518296 | 0.28002438 | 2.3138693 | 21 | 12 3.6 | 18.4 |
| 34682 2001 $BM_{42}$ | 14.0 | X | 19.98363 | 211.59990 | 105.55913 | 12.37717 | 0.1221832 | 0.23172222 | 2.6251709 | 21 | 10 8.2 | 17.3 |
| 34683 2001 $CM_{11}$ | 14.6 | X | 164.54581 | 222.40017 | 124.01493 | 14.42292 | 0.1873975 | 0.24484937 | 2.5304828 | 21 | 1 27.4 | 18.4 |
| 34684 2001 $CJ_{28}$ | 11.9 | X | 349.97506 | 273.05670 | 118.19306 | 21.24759 | 0.1263381 | 0.08291647 | 5.2084542 | 21 | 11 1.3 | 18.5 |
| 34685 2001 $EE_{12}$ | 14.8 | X | 291.01814 | 244.06490 | 32.17825 | 13.35129 | 0.1494802 | 0.24300268 | 2.5432868 | 21 | 3 7.8 | 18.5 |
| 34686 2001 $FA_{40}$ | 14.6 | X | 94.56418 | 325.78280 | 356.04504 | 15.27860 | 0.2519419 | 0.22342385 | 2.6897775 | 21 | — | — |
| 34687 2001 $FU_{74}$ | 14.6 | X | 311.59453 | 112.03294 | 174.73219 | 9.08728 | 0.1803605 | 0.24558859 | 2.5254024 | 21 | 4 6.9 | 17.6 |
| 34688 2001 $FG_{119}$ | 15.0 | X | 118.21815 | 346.55841 | 302.28258 | 9.86642 | 0.1626993 | 0.27021320 | 2.3695453 | 21 | 12 31.5 | 18.8 |
| 34689 2001 $FY_{147}$ | 14.6 | X | 152.46853 | 11.51463 | 327.24965 | 13.10502 | 0.2547087 | 0.23267774 | 2.6179790 | 21 | 1 17.4 | 18.8 |
| 34690 2001 $FH_{161}$ | 13.9 | X | 178.06028 | 79.36525 | 229.79284 | 10.53089 | 0.0532725 | 0.18240736 | 3.0792230 | 21 | — | — |
| 34691 2001 $KV_{58}$ | 13.8 | X | 157.63590 | 132.03911 | 223.43639 | 15.36972 | 0.1089626 | 0.17995477 | 3.1071376 | 21 | 1 29.4 | 18.8 |
| 34692 2001 $KE_{61}$ | 15.2 | X | 169.94028 | 234.02151 | 112.81150 | 7.16477 | 0.2548462 | 0.28142400 | 2.3061911 | 21 | 2 2.6 | 18.9 |
| 34693 2001 $LW_{14}$ | 15.1 | X | 249.00934 | 143.66958 | 169.22009 | 4.81100 | 0.2749196 | 0.23423470 | 2.6063649 | 21 | 2 24.4 | 19.8 |
| 34694 2001 $MK_{18}$ | 15.2 | X | 87.97521 | 116.81095 | 285.66952 | 3.58693 | 0.2922197 | 0.26876260 | 2.3780637 | 21 | 1 13.3 | 17.0 |
| 34695 2001 $NY_{21}$ | 15.4 | X | 143.99610 | 218.82126 | 169.16231 | 2.97554 | 0.1742307 | 0.27250072 | 2.3562658 | 21 | 2 21.6 | 18.7 |
| 34696 Risoldi | 13.8 | X | 144.58663 | 208.59797 | 290.81736 | 13.34334 | 0.1299778 | 0.24379691 | 2.5377602 | 21 | 7 16.2 | 17.5 |
| 34697 2001 $OS_{14}$ | 13.8 | X | 204.25280 | 284.25078 | 327.24530 | 11.42720 | 0.0353802 | 0.21648262 | 2.7469707 | 21 | — | — |
| 34698 2001 $OD_{22}$ | 12.7 | X | 76.27167 | 302.77584 | 161.26543 | 23.23588 | 0.0701367 | 0.17408899 | 3.1765462 | 21 | 3 7.6 | 16.9 |
| 34699 2001 $OQ_{25}$ | 14.5 | X | 273.13957 | 188.06740 | 155.07714 | 11.00000 | 0.1072557 | 0.19026319 | 2.9938695 | 21 | 5 18.7 | 19.0 |
| 34700 2001 $OE_{45}$ | 12.3 | X | 136.52150 | 150.43220 | 273.04848 | 11.77049 | 0.0918888 | 0.18054601 | 3.1003504 | 21 | 3 26.4 | 17.2 |
| 34701 2001 $OZ_{57}$ | 14.4 | X | 212.42984 | 313.86490 | 100.92515 | 3.36885 | 0.1252773 | 0.23428484 | 2.6059931 | 21 | 6 5.9 | 18.2 |
| 34702 2001 $OW_{62}$ | 13.9 | X | 48.51313 | 188.07234 | 350.42645 | 6.70726 | 0.0542349 | 0.27449640 | 2.3448314 | 21 | 4 16.4 | 16.4 |
| 34703 2001 $OZ_{67}$ | 15.8 | X | 83.90023 | 177.56795 | 215.10583 | 1.97529 | 0.1679702 | 0.26777124 | 2.3839296 | 21 | — | — |
| 34704 2001 $OS_{80}$ | 12.9 | X | 155.20132 | 192.17515 | 288.52836 | 13.54150 | 0.1343090 | 0.23452149 | 2.6042397 | 21 | 7 3.6 | 17.0 |
| 34705 2001 $OA_{81}$ | 13.6 | X | 227.01665 | 186.02878 | 232.40491 | 13.13277 | 0.1430715 | 0.23590695 | 2.5940334 | 21 | 6 23.3 | 17.7 |
| 34706 2001 $OP_{83}$ | 14.9 | X | 203.57242 | 41.86691 | 66.57348 | 8.68324 | 0.3821274 | 0.29108871 | 2.2548577 | 21 | 7 27.9 | 19.2 |
| 34707 2001 $OU_{86}$ | 14.9 | X | 123.36788 | 50.51937 | 294.63292 | 5.97609 | 0.2261274 | 0.26533555 | 2.3984965 | 21 | — | — |
| 34708 Grasset | 13.6 | X | 41.77735 | 131.88519 | 294.53964 | 22.72862 | 0.2350086 | 0.26105184 | 2.4246639 | 21 | — | — |
| 34709 2001 $OW_{96}$ | 14.8 | X | 226.49900 | 266.53450 | 138.61886 | 12.95757 | 0.1007012 | 0.24036414 | 2.5618652 | 21 | 6 11.6 | 18.8 |
| 34710 2001 $OS_{97}$ | 14.0 | X | 260.46053 | 279.59710 | 98.18801 | 11.78822 | 0.1339345 | 0.19043186 | 2.9921014 | 21 | 6 11.2 | 18.4 |
| 34711 2001 $OV_{97}$ | 12.8 | X | 152.93481 | 9.50667 | 102.97435 | 11.13983 | 0.0400292 | 0.18942786 | 3.0026645 | 21 | 6 15.7 | 17.1 |
| 34712 2001 $ON_{103}$ | 13.3 | X | 222.88060 | 87.83993 | 327.61444 | 14.02734 | 0.1339088 | 0.18440489 | 3.0569460 | 21 | 6 18.4 | 18.3 |
| 34713 2001 $OO_{103}$ | 13.7 | X | 94.36332 | 64.06990 | 289.38628 | 7.97808 | 0.1731991 | 0.20999674 | 2.8032448 | 21 | — | — |
| 34714 2001 $OB_{105}$ | 14.7 | X | 218.81034 | 278.89658 | 76.10460 | 2.68937 | 0.1042005 | 0.22707535 | 2.6608643 | 21 | 3 30.7 | 18.7 |
| 34715 2001 $PO_{12}$ | 13.1 | X | 122.79229 | 56.16242 | 119.60152 | 16.42201 | 0.1409056 | 0.19057421 | 2.9906113 | 21 | 8 10.1 | 17.7 |
| 34716 Guzzo | 15.5 | X | 302.55661 | 110.15412 | 262.72576 | 2.16374 | 0.1005085 | 0.24467868 | 2.5316595 | 21 | 8 5.7 | 18.3 |
| 34717 Mirkovilli | 15.3 | X | 6.24709 | 72.96143 | 301.12203 | 5.40560 | 0.1448664 | 0.30297300 | 2.1955000 | 21 | 12 17.8 | 17.4 |
| 34718 Cantagalli | 14.5 | X | 212.52085 | 116.48208 | 148.21535 | 6.14293 | 0.1173745 | 0.17029351 | 3.2235716 | 21 | — | — |
| 34719 2001 $PW_{47}$ | 12.8 | X | 228.41239 | 137.29083 | 157.14884 | 16.68631 | 0.0807601 | 0.17145994 | 3.2089351 | 21 | 2 1.2 | 17.8 |
| 34720 2001 $PH_{54}$ | 15.1 | X | 306.31049 | 258.61245 | 169.56116 | 2.33688 | 0.0554810 | 0.20482065 | 2.8502758 | 21 | 10 28.9 | 18.7 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 34721 2001 $QH_{5}$ | 14.1 | X | 144.35344 | 15.90964 | 41.57771 | 1.72071 | 0.2325527 | 0.17849921 | 3.1240059 | 21 | 4 14.5 | 19.3 |
| 34722 2001 $QF_{9}$ | 16.4 | X | 188.64551 | 279.79517 | 2.08717 | 2.04816 | 0.1895458 | 0.26928170 | 2.3750066 | 21 | — | — |
| 34723 2001 $QV_{14}$ | 13.7 | X | 288.95253 | 187.77339 | 23.95427 | 6.81224 | 0.0881870 | 0.17379426 | 3.1801366 | 21 | — | — |
| 34724 2001 $QM_{18}$ | 16.3 | X | 276.43514 | 291.03602 | 140.32615 | 3.03782 | 0.1416134 | 0.29613453 | 2.2291708 | 21 | 9 18.5 | 18.5 |
| 34725 2001 $QJ_{19}$ | 14.0 | X | 273.24040 | 249.47411 | 317.25394 | 3.94851 | 0.0985870 | 0.21806819 | 2.7336391 | 21 | — | — |
| 34726 2001 $QA_{25}$ | 12.5 | X | 89.15768 | 80.70350 | 2.78308 | 21.79892 | 0.1030557 | 0.17279552 | 3.1923786 | 21 | 3 8.6 | 16.9 |
| 34727 2001 $QV_{28}$ | 13.8 | X | 163.11351 | 242.86958 | 154.90085 | 1.13026 | 0.1755286 | 0.17383235 | 3.1796719 | 21 | 4 4.2 | 19.0 |
| 34728 2001 $QM_{30}$ | 13.7 | X | 188.77746 | 120.60212 | 196.61758 | 4.72469 | 0.0542142 | 0.21607471 | 2.7504268 | 21 | 1 10.6 | 17.7 |
| 34729 2001 $QJ_{42}$ | 14.7 | X | 289.79423 | 59.14639 | 345.10546 | 1.26508 | 0.0647195 | 0.19907837 | 2.9048251 | 21 | 9 1.7 | 18.6 |
| 34730 2001 $QO_{45}$ | 15.4 | X | 157.77748 | 299.38448 | 36.37229 | 1.83862 | 0.1665169 | 0.17167454 | 3.2062604 | 21 | 1 18.3 | 20.4 |
| 34731 2001 $QU_{47}$ | 15.1 | X | 33.61789 | 247.96276 | 154.17391 | 7.69317 | 0.0838612 | 0.21219857 | 2.7838195 | 21 | — | — |
| 34732 2001 $QD_{48}$ | 16.2 | X | 22.66371 | 60.09575 | 1.91391 | 0.91953 | 0.0980510 | 0.26261286 | 2.4150459 | 21 | — | — |
| 34733 2001 $QY_{52}$ | 15.7 | X | 91.65235 | 300.96877 | 114.24957 | 2.83417 | 0.2109296 | 0.27016154 | 2.3698473 | 21 | 1 24.8 | 18.0 |
| 34734 2001 $QS_{64}$ | 14.5 | X | 195.21587 | 329.61279 | 96.84186 | 2.81078 | 0.2285438 | 0.18329873 | 3.0692322 | 21 | 6 3.4 | 19.9 |
| 34735 2001 $QA_{69}$ | 13.8 | X | 189.25058 | 124.86340 | 255.75904 | 5.15317 | 0.2034617 | 0.17916587 | 3.1162517 | 21 | 4 3.8 | 19.2 |
| 34736 2001 $QG_{69}$ | 13.6 | X | 110.63619 | 216.98926 | 225.50602 | 10.82777 | 0.1486102 | 0.17554491 | 3.1589582 | 21 | 3 31.7 | 18.3 |
| 34737 2001 $QC_{71}$ | 15.2 | X | 249.47801 | 204.99473 | 182.26857 | 7.04328 | 0.1106248 | 0.28695957 | 2.2764367 | 21 | 6 10.7 | 18.3 |
| 34738 Hulbert | 15.8 | X | 58.61742 | 133.84741 | 249.69550 | 1.23133 | 0.1618422 | 0.30868251 | 2.1683432 | 21 | — | — |
| 34739 2001 $QO_{75}$ | 14.2 | X | 161.34082 | 157.79741 | 291.92775 | 0.55979 | 0.1859723 | 0.17708953 | 3.1405627 | 21 | 6 3.3 | 19.5 |
| 34740 2001 $QJ_{77}$ | 14.5 | X | 191.51929 | 184.48063 | 195.45007 | 3.33066 | 0.1132444 | 0.22363866 | 2.6880549 | 21 | 4 2.1 | 18.7 |
| 34741 2001 $QM_{77}$ | 14.7 | X | 49.52540 | 348.09393 | 66.78048 | 3.28203 | 0.1936916 | 0.25757033 | 2.4464640 | 21 | — | — |
| 34742 2001 $QD_{79}$ | 14.7 | X | 197.85118 | 221.40410 | 225.41300 | 10.59359 | 0.1538380 | 0.23074532 | 2.6325752 | 21 | 6 30.1 | 19.1 |
| 34743 2001 $QE_{80}$ | 14.4 | X | 270.87840 | 216.01567 | 130.49199 | 0.68919 | 0.1844490 | 0.18218938 | 3.0816786 | 21 | 5 8.0 | 18.9 |
| 34744 2001 $QS_{86}$ | 13.7 | X | 319.24372 | 3.31292 | 305.28633 | 14.63518 | 0.1343936 | 0.23699390 | 2.5860958 | 21 | 5 24.3 | 17.1 |
| 34745 2001 $QV_{90}$ | 15.7 | X | 91.99436 | 267.09807 | 190.63616 | 21.87919 | 0.1023386 | 0.37581507 | 1.9017493 | 21 | 2 7.7 | 17.6 |
| 34746 2001 $QE_{91}$ | 9.9 | X | 321.97272 | 197.16471 | 93.24998 | 27.42619 | 0.0388821 | 0.08413219 | 5.1581573 | 21 | 6 1.5 | 16.7 |
| 34747 2001 $QC_{92}$ | 13.2 | X | 144.61218 | 316.49859 | 56.84770 | 7.46762 | 0.1490991 | 0.17234155 | 3.1979823 | 21 | 2 19.4 | 18.2 |
| 34748 2001 $QN_{93}$ | 13.4 | X | 293.24027 | 258.82325 | 40.32725 | 22.47211 | 0.0190809 | 0.17489838 | 3.1667384 | 21 | 4 29.3 | 17.7 |
| 34749 2001 $QU_{93}$ | 13.8 | X | 171.21644 | 19.40501 | 26.36226 | 5.18078 | 0.1420379 | 0.17449844 | 3.1715752 | 21 | 4 18.8 | 18.8 |
| 34750 2001 $QB_{97}$ | 13.6 | X | 358.49836 | 241.59082 | 196.71862 | 10.82318 | 0.1062244 | 0.15956441 | 3.3665007 | 21 | — | — |
| 34751 2001 $QO_{100}$ | 14.2 | X | 116.64435 | 87.48384 | 29.64783 | 24.28188 | 0.1750492 | 0.28028366 | 2.3124421 | 21 | 5 13.2 | 17.6 |
| 34752 2001 $QU_{105}$ | 14.5 | X | 95.06556 | 23.31650 | 213.07977 | 2.95186 | 0.1015916 | 0.28853587 | 2.2681382 | 21 | 9 28.2 | 17.4 |
| 34753 Zdeněkmatyáš | 16.4 | X | 83.66008 | 111.24477 | 168.76065 | 4.82177 | 0.1208303 | 0.30524160 | 2.1846082 | 21 | 11 19.3 | 19.3 |
| 34754 2001 $QG_{111}$ | 13.9 | X | 251.79568 | 186.43105 | 239.99465 | 7.72986 | 0.1622692 | 0.24098736 | 2.5574464 | 21 | 7 27.8 | 17.6 |
| 34755 2001 $QW_{120}$ | 14.4 | X | 166.76752 | 264.35105 | 145.94057 | 22.08733 | 0.3264011 | 0.27981657 | 2.3150148 | 21 | 4 28.8 | 19.0 |
| 34756 2001 $QL_{139}$ | 14.6 | X | 73.82967 | 172.30468 | 288.39686 | 9.43385 | 0.2425892 | 0.21573211 | 2.7533380 | 21 | 3 11.5 | 17.9 |
| 34757 2001 $QX_{139}$ | 13.9 | X | 171.97006 | 87.64248 | 339.82382 | 10.90820 | 0.1865116 | 0.22624731 | 2.6673526 | 21 | 5 10.5 | 18.5 |
| 34758 2001 $QH_{148}$ | 13.8 | X | 84.43536 | 78.16214 | 105.74635 | 12.77619 | 0.1231156 | 0.23129939 | 2.6283693 | 21 | 7 4.4 | 17.3 |
| 34759 2001 $QL_{151}$ | 13.9 | X | 133.85459 | 81.92766 | 350.81764 | 28.16145 | 0.4267817 | 0.22015284 | 2.7163550 | 21 | 4 21.2 | 19.4 |
| 34760 2001 $QR_{152}$ | 14.3 | X | 40.57053 | 202.01607 | 227.41192 | 2.96193 | 0.0896867 | 0.21313870 | 2.7756274 | 21 | — | — |
| 34761 2001 $QM_{179}$ | 15.1 | X | 196.04433 | 297.85325 | 155.30614 | 5.98475 | 0.1169019 | 0.28182788 | 2.3039873 | 21 | 7 8.6 | 18.4 |
| 34762 2001 $QP_{180}$ | 16.0 | X | 169.43404 | 346.12726 | 41.28038 | 3.10633 | 0.2142810 | 0.27517540 | 2.3409725 | 21 | 3 22.5 | 19.7 |
| 34763 2001 $QV_{189}$ | 14.6 | X | 189.90549 | 166.67545 | 244.52814 | 13.56095 | 0.0667143 | 0.23330104 | 2.6133140 | 21 | 5 7.9 | 18.4 |
| 34764 2001 $QZ_{197}$ | 14.1 | X | 350.66323 | 151.67178 | 225.90251 | 11.56903 | 0.0662867 | 0.19632882 | 2.9318833 | 21 | 10 24.7 | 17.8 |
| 34765 2001 $QG_{199}$ | 14.2 | X | 104.68811 | 149.91811 | 251.47779 | 4.52548 | 0.0756814 | 0.21390823 | 2.7689666 | 21 | 1 17.9 | 17.8 |
| 34766 2001 $QP_{200}$ | 15.2 | X | 239.92824 | 174.93947 | 251.56717 | 2.96334 | 0.1424563 | 0.28480793 | 2.2878875 | 21 | 7 19.3 | 18.3 |
| 34767 2001 $QV_{201}$ | 13.0 | X | 120.66377 | 251.41504 | 119.34421 | 9.89811 | 0.1708325 | 0.21299036 | 2.7769161 | 21 | 1 14.6 | 16.9 |
| 34768 2001 $QK_{221}$ | 15.5 | X | 189.06464 | 5.03252 | 355.34346 | 6.49846 | 0.2070432 | 0.27859182 | 2.3217947 | 21 | 3 4.8 | 19.3 |
| 34769 2001 $QB_{236}$ | 15.4 | X | 37.74601 | 74.31656 | 45.82835 | 2.74102 | 0.1499335 | 0.26949524 | 2.3737519 | 21 | 1 6.2 | 17.3 |
| 34770 2001 $QJ_{243}$ | 14.8 | X | 280.04285 | 67.95305 | 333.63721 | 1.20760 | 0.0812168 | 0.19218533 | 2.9738740 | 21 | 8 12.9 | 18.9 |
| 34771 2001 $QO_{252}$ | 15.4 | X | 310.38648 | 24.79540 | 79.20381 | 3.03233 | 0.1643774 | 0.25752416 | 2.4467564 | 21 | 12 30.8 | 17.5 |
| 34772 2001 $QU_{257}$ | 15.2 | X | 312.04116 | 212.46012 | 129.73976 | 6.68358 | 0.1476027 | 0.23966566 | 2.5668403 | 21 | 6 30.7 | 18.1 |
| 34773 2001 $QL_{260}$ | 14.2 | X | 216.01787 | 205.04436 | 222.76594 | 9.04183 | 0.1841399 | 0.18586201 | 3.0409478 | 21 | 6 22.9 | 19.3 |
| 34774 2001 $QX_{261}$ | 13.6 | X | 46.93619 | 233.78170 | 290.77102 | 9.54304 | 0.0548679 | 0.17638381 | 3.1489341 | 21 | 4 4.6 | 18.1 |
| 34775 2001 $QL_{263}$ | 14.2 | X | 31.92825 | 291.97105 | 225.75904 | 8.73148 | 0.0263442 | 0.17059625 | 3.2197568 | 21 | 3 7.9 | 18.7 |
| 34776 2001 $QC_{269}$ | 15.3 | X | 353.13074 | 250.85356 | 94.94199 | 5.45487 | 0.2736449 | 0.24494855 | 2.5297997 | 21 | 10 12.8 | 17.0 |
| 34777 2001 $RH$ | 12.9 | X | 345.69489 | 197.29443 | 284.34933 | 34.13856 | 0.4066634 | 0.20288342 | 2.8683910 | 21 | — | — |
| 34778 Huhunglick | 15.0 | X | 37.37399 | 81.84294 | 16.89027 | 5.20773 | 0.1441263 | 0.21403670 | 2.7678585 | 21 | — | — |
| 34779 Chungchiyung | 15.3 | X | 105.42894 | 6.79005 | 174.90454 | 6.17374 | 0.0807614 | 0.28593019 | 2.2818970 | 21 | 7 22.4 | 18.3 |
| 34780 2001 $RB_{56}$ | 15.6 | X | 124.39590 | 355.86573 | 130.18748 | 5.38845 | 0.0976390 | 0.28381958 | 2.2931958 | 21 | 6 2.0 | 18.6 |
| 34781 2001 $RK_{63}$ | 13.3 | X | 201.77507 | 193.48911 | 161.28493 | 22.88764 | 0.0881757 | 0.17445987 | 3.1720427 | 21 | 3 19.5 | 18.2 |
| 34782 2001 $RV_{72}$ | 14.0 | X | 34.61530 | 14.69165 | 226.93180 | 3.77004 | 0.1295748 | 0.23655754 | 2.5892750 | 21 | 7 8.8 | 16.8 |
| 34783 2001 $RB_{75}$ | 13.9 | X | 218.47925 | 343.50478 | 325.89506 | 0.21373 | 0.1770068 | 0.17214422 | 3.2004257 | 21 | 2 7.6 | 19.1 |
| 34784 2001 $RS_{77}$ | 14.8 | X | 145.64338 | 284.72790 | 84.17140 | 7.65646 | 0.1465939 | 0.26595015 | 2.3947998 | 21 | 1 29.6 | 18.1 |
| 34785 2001 $RG_{87}$ | 11.6 | X | 324.97854 | 89.71530 | 198.92305 | 20.32406 | 0.0398626 | 0.08449207 | 5.1435001 | 21 | 5 29.7 | 18.5 |
| 34786 2001 $RS_{87}$ | 14.3 | X | 24.07724 | 15.41861 | 292.83449 | 0.97833 | 0.0991442 | 0.19572414 | 2.9379188 | 21 | 9 17.3 | 17.9 |
| 34787 2001 $RG_{109}$ | 15.9 | X | 64.81552 | 321.34188 | 155.08705 | 2.45748 | 0.1645289 | 0.27342878 | 2.3509311 | 21 | 2 25.9 | 17.6 |
| 34788 2001 $RE_{114}$ | 15.7 | X | 0.02087 | 324.61963 | 151.84279 | 9.95195 | 0.1424327 | 0.26459895 | 2.4029458 | 21 | — | — |
| 34789 2001 $SC_{2}$ | 15.4 | X | 75.35170 | 264.93555 | 267.12378 | 0.38075 | 0.1487267 | 0.28128857 | 2.3069313 | 21 | 6 7.1 | 17.7 |
| 34790 2001 $SA_{4}$ | 13.7 | X | 358.82578 | 229.66523 | 101.60031 | 10.95744 | 0.1065561 | 0.19090466 | 2.9871591 | 21 | 9 13.2 | 17.5 |
| 34791 Ericcraine | 15.0 | X | 217.76035 | 326.46111 | 120.09613 | 3.08390 | 0.1101644 | 0.23802706 | 2.5786070 | 21 | 7 24.2 | 18.9 |
| 34792 2001 $SE_{10}$ | 15.5 | X | 120.99104 | 105.84884 | 216.42526 | 5.84162 | 0.1223297 | 0.25767589 | 2.4457958 | 21 | — | — |
| 34793 2001 $SO_{12}$ | 13.9 | X | 171.32517 | 247.73004 | 192.67423 | 5.18903 | 0.1517832 | 0.18280165 | 3.0747937 | 21 | 5 31.2 | 18.9 |
| 34794 2001 $SS_{25}$ | 13.8 | X | 198.71522 | 296.60609 | 108.92348 | 1.32894 | 0.1212106 | 0.18164326 | 3.0878524 | 21 | 5 14.0 | 18.7 |
| 34795 2001 $SB_{34}$ | 14.1 | X | 17.88524 | 64.39563 | 140.32686 | 1.33176 | 0.1091633 | 0.17868684 | 3.1218187 | 21 | 4 20.9 | 17.8 |
| 34796 2001 $SW_{35}$ | 14.6 | X | 207.41385 | 29.55427 | 45.50844 | 3.71856 | 0.1399951 | 0.18484122 | 3.0521333 | 21 | 6 26.6 | 19.4 |
| 34797 2001 $SK_{38}$ | 15.0 | X | 267.21669 | 166.75093 | 142.06904 | 2.87536 | 0.0668425 | 0.22813562 | 2.6526136 | 21 | 3 28.5 | 18.6 |
| 34798 2001 $SD_{45}$ | 16.2 | X | 315.94015 | 355.87333 | 30.43181 | 5.84246 | 0.1624980 | 0.29473926 | 2.2362004 | 21 | 9 22.0 | 17.9 |
| 34799 2001 $SQ_{48}$ | 15.8 | X | 27.41553 | 211.59400 | 93.09864 | 5.06376 | 0.1191428 | 0.24548300 | 2.5261265 | 21 | 9 30.3 | 18.7 |
| 34800 2001 $SD_{59}$ | 15.3 | X | 303.01677 | 24.93072 | 179.30840 | 8.92840 | 0.1615718 | 0.26606540 | 2.3941082 | 21 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 34801 2001 $SE_{61}$ | 13.9 | X | 178.01750 | 294.48445 | 25.24101 | 1.70725 | 0.1097509 | 0.16746997 | 3.2597035 | 21 | 1 15.4 | 19.1 |
| 34802 2001 $SP_{61}$ | 15.3 | X | 262.05595 | 10.75466 | 94.56303 | 0.95753 | 0.0882730 | 0.24632757 | 2.5203491 | 21 | 10 16.8 | 18.3 |
| 34803 2001 $SW_{63}$ | 13.5 | X | 219.56984 | 162.23471 | 143.82046 | 1.50944 | 0.1853804 | 0.17160001 | 3.2071887 | 21 | 2 4.5 | 19.0 |
| 34804 2001 $SP_{67}$ | 15.3 | X | 131.90790 | 276.93576 | 36.71413 | 16.43730 | 0.0897008 | 0.25821701 | 2.4423777 | 21 | — | — |
| 34805 2001 $SC_{69}$ | 14.1 | X | 312.21331 | 181.78187 | 183.08557 | 9.71847 | 0.0849439 | 0.18856264 | 3.0118427 | 21 | 8 7.2 | 18.1 |
| 34806 2001 $SJ_{69}$ | 15.1 | X | 297.67461 | 263.12820 | 90.77852 | 5.69647 | 0.2122461 | 0.28714382 | 2.2754628 | 21 | 6 11.7 | 17.6 |
| 34807 2001 $SQ_{72}$ | 14.6 | X | 144.86372 | 335.98702 | 216.23044 | 25.49388 | 0.1929615 | 0.28657474 | 2.2784742 | 21 | 9 23.8 | 18.6 |
| 34808 2001 $SY_{73}$ | 14.2 | X | 17.32560 | 320.89052 | 253.79101 | 9.96285 | 0.0395790 | 0.17924573 | 3.1153260 | 21 | 4 29.5 | 18.4 |
| 34809 2001 $SQ_{74}$ | 13.9 | X | 62.23530 | 262.18841 | 327.64205 | 9.38367 | 0.0647120 | 0.18727880 | 3.0255916 | 21 | 7 27.7 | 17.9 |
| 34810 2001 $SN_{108}$ | 14.1 | X | 334.13561 | 352.44537 | 23.50038 | 10.03359 | 0.0982199 | 0.19150954 | 2.9808659 | 21 | 9 29.5 | 17.7 |
| 34811 2001 $ST_{108}$ | 14.2 | X | 177.09583 | 143.60489 | 27.84357 | 14.28029 | 0.1132044 | 0.23850126 | 2.5751879 | 21 | 10 2.4 | 18.2 |
| 34812 2001 $SB_{109}$ | 13.3 | X | 213.71321 | 75.36848 | 15.13148 | 13.22263 | 0.1392513 | 0.23285927 | 2.6166182 | 21 | 7 27.3 | 17.6 |
| 34813 2001 $SS_{109}$ | 13.6 | X | 246.15276 | 37.31098 | 22.80849 | 13.10021 | 0.1433446 | 0.23384362 | 2.6092700 | 21 | 7 21.4 | 17.7 |
| 34814 2001 $ST_{109}$ | 14.3 | X | 88.72817 | 138.96184 | 345.10670 | 9.19218 | 0.1160289 | 0.22259278 | 2.6964684 | 21 | 4 15.1 | 18.0 |
| 34815 2001 $SQ_{113}$ | 15.0 | X | 203.61267 | 224.55231 | 210.94065 | 5.09312 | 0.0887008 | 0.23549410 | 2.5970642 | 21 | 6 24.8 | 19.0 |
| 34816 2001 $ST_{113}$ | 14.8 | X | 197.66176 | 295.85832 | 330.59893 | 5.33698 | 0.1019981 | 0.21409129 | 2.7673880 | 21 | — | — |
| 34817 Shiominemoto | 14.1 | X | 306.32023 | 70.44393 | 285.94522 | 22.23051 | 0.1182318 | 0.38262066 | 1.8791312 | 21 | 7 17.4 | 15.1 |
| 34818 2001 $SQ_{116}$ | 13.9 | X | 129.83328 | 170.88009 | 245.13340 | 4.53676 | 0.1453827 | 0.17577089 | 3.1562502 | 21 | 3 20.6 | 18.7 |
| 34819 2001 $SW_{119}$ | 15.0 | X | 218.24989 | 49.55295 | 247.93100 | 4.28155 | 0.0362380 | 0.22166187 | 2.7040127 | 21 | 1 17.8 | 18.8 |
| 34820 2001 $SC_{125}$ | 16.2 | X | 106.95777 | 92.88278 | 189.96511 | 4.08524 | 0.1730787 | 0.30648382 | 2.1787012 | 21 | 12 19.2 | 19.6 |
| 34821 2001 $SF_{129}$ | 14.4 | X | 312.53549 | 316.63215 | 205.99071 | 7.19230 | 0.1549544 | 0.21396930 | 2.7684397 | 21 | — | — |
| 34822 2001 $SO_{133}$ | 14.5 | X | 49.43012 | 301.62989 | 262.33685 | 3.13266 | 0.1617224 | 0.23489394 | 2.6014861 | 21 | 6 14.8 | 17.4 |
| 34823 2001 $SM_{155}$ | 15.7 | X | 134.11157 | 89.77360 | 17.15929 | 6.11311 | 0.1072625 | 0.27836656 | 2.3230471 | 21 | 5 17.2 | 18.8 |
| 34824 2001 $SY_{156}$ | 13.6 | X | 195.08197 | 114.21991 | 299.53346 | 5.67199 | 0.1853427 | 0.18074407 | 3.0980852 | 21 | 5 18.2 | 18.8 |
| 34825 2001 $SR_{161}$ | 13.1 | X | 173.03177 | 108.21052 | 357.18599 | 8.48734 | 0.0260619 | 0.18399901 | 3.0614398 | 21 | 6 30.5 | 17.6 |
| 34826 2001 $SK_{163}$ | 16.2 | X | 119.97512 | 32.55722 | 300.74808 | 0.15472 | 0.2304777 | 0.26228122 | 2.4170812 | 21 | — | — |
| 34827 2001 $SC_{165}$ | 13.8 | X | 1.88369 | 92.77362 | 284.39138 | 1.39917 | 0.0641144 | 0.19893163 | 2.9062535 | 21 | 11 10.4 | 17.6 |
| 34828 2001 $SO_{168}$ | 14.0 | X | 242.60110 | 110.03472 | 193.18008 | 4.95682 | 0.1313661 | 0.17396354 | 3.1780732 | 21 | 2 21.8 | 19.1 |
| 34829 2001 $SF_{198}$ | 16.1 | X | 197.40548 | 292.92661 | 166.02890 | 7.29491 | 0.0659023 | 0.28933568 | 2.2639564 | 21 | 7 20.0 | 19.2 |
| 34830 2001 $SQ_{227}$ | 14.6 | X | 19.05919 | 356.82380 | 191.23900 | 7.14128 | 0.1043725 | 0.17586027 | 3.1551807 | 21 | 3 31.7 | 18.4 |
| 34831 2001 $SA_{234}$ | 15.7 | X | 254.35671 | 318.99086 | 148.96048 | 4.82173 | 0.0967497 | 0.29624572 | 2.2286130 | 21 | 10 17.0 | 18.1 |
| 34832 2001 $SU_{234}$ | 16.3 | X | 357.96669 | 190.00047 | 168.12168 | 2.07913 | 0.1750655 | 0.24709106 | 2.5151546 | 21 | 10 30.3 | 18.6 |
| 34833 2001 $SF_{239}$ | 15.7 | X | 33.76373 | 227.38355 | 106.56867 | 3.83145 | 0.2169090 | 0.29988725 | 2.2105349 | 21 | 12 13.1 | 18.2 |
| 34834 2001 $SF_{243}$ | 14.0 | X | 207.72175 | 26.87450 | 198.71682 | 15.23832 | 0.0365725 | 0.15704887 | 3.4023541 | 21 | 12 28.3 | 19.2 |
| 34835 2001 $SZ_{249}$ | 12.5 | X | 329.31601 | 130.57009 | 138.40670 | 3.53251 | 0.0821942 | 0.08056334 | 5.3093872 | 21 | 5 9.5 | 19.1 |
| 34836 2001 $SE_{254}$ | 14.8 | X | 319.79559 | 226.39051 | 138.20467 | 1.03320 | 0.0562586 | 0.19062825 | 2.9900460 | 21 | 8 23.7 | 18.8 |
| 34837 2001 $SD_{262}$ | 14.9 | X | 205.59814 | 204.94243 | 302.93063 | 5.51530 | 0.1044431 | 0.29154508 | 2.2525040 | 21 | 10 1.7 | 18.1 |
| 34838 Lazowski | 13.8 | X | 172.37729 | 14.81031 | 37.82947 | 9.92656 | 0.0901616 | 0.17518214 | 3.1633178 | 21 | 4 26.4 | 18.5 |
| 34839 2001 $SL_{263}$ | 13.1 | X | 284.66320 | 269.01835 | 99.28848 | 11.02534 | 0.1160426 | 0.18824632 | 3.0152157 | 21 | 6 30.8 | 17.2 |
| 34840 2001 $SB_{268}$ | 14.6 | X | 222.48793 | 218.61633 | 109.82405 | 4.18416 | 0.0525929 | 0.22133539 | 2.7066711 | 21 | 3 4.2 | 18.5 |
| 34841 2001 $SE_{268}$ | 15.5 | X | 305.23638 | 330.61661 | 193.51797 | 7.32956 | 0.0569549 | 0.25862379 | 2.4398160 | 21 | — | — |
| 34842 2001 $SU_{270}$ | 14.5 | X | 238.60660 | 318.85225 | 93.86351 | 2.09937 | 0.2389817 | 0.18420079 | 3.0592037 | 21 | 6 21.1 | 19.5 |
| 34843 2001 $SZ_{276}$ | 14.5 | X | 163.54649 | 20.99529 | 330.17462 | 5.17815 | 0.0297001 | 0.21600749 | 2.7509974 | 21 | 1 22.8 | 18.4 |
| 34844 2001 $SG_{277}$ | 15.2 | X | 151.86880 | 297.77119 | 126.35094 | 2.77679 | 0.1898743 | 0.27235845 | 2.3570863 | 21 | 4 20.6 | 18.7 |
| 34845 2001 $SN_{278}$ | 13.8 | X | 218.07298 | 73.65455 | 230.64033 | 14.63312 | 0.1224759 | 0.16940397 | 3.2348464 | 21 | 1 29.0 | 19.2 |
| 34846 2001 $SY_{281}$ | 13.7 | X | 266.41178 | 113.40656 | 161.76139 | 25.83116 | 0.2424790 | 0.17399930 | 3.1776377 | 21 | 2 2.4 | 19.2 |
| 34847 2001 $SJ_{286}$ | 14.4 | X | 187.98254 | 63.11426 | 59.55053 | 14.02160 | 0.1387975 | 0.23712530 | 2.5851403 | 21 | 8 12.9 | 18.7 |
| 34848 2001 $SC_{288}$ | 13.2 | X | 138.51484 | 220.28964 | 142.84723 | 22.85308 | 0.0449364 | 0.16853978 | 3.2458948 | 21 | 1 18.1 | 18.0 |
| 34849 2001 $SG_{288}$ | 13.7 | X | 125.84805 | 8.15939 | 116.45811 | 14.13662 | 0.1133357 | 0.23183122 | 2.6243481 | 21 | 6 7.2 | 17.6 |
| 34850 2001 $TL_{8}$ | 13.4 | X | 120.35912 | 327.36157 | 16.51181 | 10.20798 | 0.1397426 | 0.15935416 | 3.3694611 | 21 | — | — |
| 34851 2001 $TT_{8}$ | 14.9 | X | 78.82039 | 1.62354 | 19.78697 | 5.93141 | 0.0716912 | 0.30633118 | 2.1794249 | 21 | — | — |
| 34852 2001 $TS_{12}$ | 15.2 | X | 287.86483 | 350.58523 | 10.72532 | 3.40702 | 0.1460808 | 0.28403836 | 2.2920182 | 21 | 6 19.2 | 17.8 |
| 34853 2001 $TK_{16}$ | 13.7 | X | 339.92746 | 133.67981 | 86.23334 | 16.29314 | 0.1683652 | 0.22466263 | 2.6798809 | 21 | 3 1.3 | 17.2 |
| 34854 Paquifrutos | 13.3 | X | 155.54519 | 211.44030 | 229.57594 | 16.32598 | 0.2013528 | 0.17721708 | 3.1390555 | 21 | 5 19.9 | 18.5 |
| 34855 2001 $TT_{30}$ | 15.5 | X | 282.31874 | 264.10209 | 77.08227 | 6.48833 | 0.1529431 | 0.28410083 | 2.2916821 | 21 | 5 13.1 | 18.4 |
| 34856 2001 $TR_{32}$ | 14.9 | X | 350.06761 | 211.14894 | 340.26572 | 6.14031 | 0.0537289 | 0.26802249 | 2.3824396 | 21 | 2 6.6 | 17.5 |
| 34857 2001 $TB_{36}$ | 15.2 | X | 323.80727 | 161.87083 | 11.32521 | 9.24093 | 0.1375227 | 0.25906137 | 2.4370678 | 21 | — | — |
| 34858 2001 $TW_{44}$ | 14.1 | X | 27.60647 | 289.67933 | 33.21280 | 7.43957 | 0.2187335 | 0.28984745 | 2.2612907 | 21 | 11 15.9 | 16.4 |
| 34859 2001 $TR_{49}$ | 14.6 | X | 81.99353 | 328.71060 | 195.80544 | 6.73221 | 0.1649413 | 0.22386931 | 2.6862082 | 21 | 6 11.5 | 18.2 |
| 34860 2001 $TJ_{77}$ | 14.1 | X | 140.22218 | 43.46000 | 45.95661 | 9.82383 | 0.0750004 | 0.17505523 | 3.1648466 | 21 | 5 5.9 | 18.9 |
| 34861 2001 $TY_{77}$ | 13.9 | X | 170.06486 | 130.95661 | 77.42008 | 9.57901 | 0.0730774 | 0.24645555 | 2.5194765 | 21 | 11 11.7 | 17.6 |
| 34862 2001 $TX_{79}$ | 14.3 | X | 356.08834 | 158.13980 | 165.91192 | 5.44154 | 0.1479763 | 0.19059012 | 2.9904448 | 21 | 8 24.7 | 17.4 |
| 34863 2001 $TP_{107}$ | 14.3 | X | 255.79075 | 296.48835 | 83.18304 | 8.55699 | 0.1349658 | 0.27898495 | 2.3196130 | 21 | 6 4.7 | 17.5 |
| 34864 2001 $TG_{114}$ | 13.5 | X | 326.62787 | 107.27705 | 257.77807 | 9.06812 | 0.1144093 | 0.19068543 | 2.9894483 | 21 | 8 25.1 | 17.3 |
| 34865 2001 $TH_{116}$ | 13.2 | X | 171.84928 | 341.12620 | 44.69671 | 14.54234 | 0.1146481 | 0.17065537 | 3.2190132 | 21 | 3 31.8 | 18.4 |
| 34866 2001 $TN_{119}$ | 14.4 | X | 161.03080 | 193.06206 | 297.06666 | 12.95332 | 0.1308093 | 0.23464027 | 2.6033607 | 21 | 7 21.1 | 18.4 |
| 34867 2001 $TB_{121}$ | 14.2 | X | 76.28927 | 223.52695 | 284.53751 | 10.56524 | 0.1361909 | 0.22491017 | 2.6779142 | 21 | 5 2.9 | 17.8 |
| 34868 2001 $TB_{136}$ | 12.9 | X | 27.69469 | 1.57600 | 256.93295 | 9.07759 | 0.0641303 | 0.18797025 | 3.0181672 | 21 | 7 12.9 | 16.9 |
| 34869 2001 $TD_{170}$ | 14.4 | X | 30.24135 | 358.33220 | 356.46380 | 8.78292 | 0.2053381 | 0.29598131 | 2.2299401 | 21 | — | — |
| 34870 2001 $TS_{195}$ | 14.4 | X | 213.46509 | 10.61622 | 129.43351 | 12.03622 | 0.0409715 | 0.19318780 | 2.9635772 | 21 | 10 4.9 | 18.8 |
| 34871 2001 $UM_{2}$ | 14.9 | X | 152.62960 | 100.55607 | 185.86580 | 5.14662 | 0.1172386 | 0.25481018 | 2.4640993 | 21 | — | — |
| 34872 2001 $UV_{2}$ | 14.6 | X | 102.03131 | 234.78834 | 290.61189 | 13.28140 | 0.0304271 | 0.23165696 | 2.6256640 | 21 | 6 18.9 | 18.1 |
| 34873 2001 $UF_{6}$ | 13.4 | X | 282.37571 | 1.98096 | 326.46662 | 12.29041 | 0.1763732 | 0.22988166 | 2.6391647 | 21 | 4 19.1 | 17.4 |
| 34874 2001 $UU_{9}$ | 14.8 | X | 137.95244 | 283.66113 | 5.07082 | 1.45346 | 0.0845410 | 0.20549637 | 2.8440242 | 21 | — | — |
| 34875 2001 $US_{22}$ | 13.9 | X | 182.91407 | 5.26869 | 20.08844 | 13.90744 | 0.1664935 | 0.22002730 | 2.7173881 | 21 | 4 3.5 | 18.4 |
| 34876 2001 $UK_{32}$ | 15.4 | X | 346.24421 | 78.47681 | 106.18055 | 7.10696 | 0.0531602 | 0.27003178 | 2.3706065 | 21 | 1 21.6 | 18.1 |
| 34877 2001 $UQ_{34}$ | 15.8 | X | 231.93050 | 224.09990 | 105.77155 | 6.79614 | 0.1459718 | 0.27513088 | 2.3412250 | 21 | 3 7.1 | 19.4 |
| 34878 2001 $UU_{34}$ | 14.5 | X | 308.21538 | 245.03750 | 149.23900 | 10.09775 | 0.0722797 | 0.19184401 | 2.9774002 | 21 | 9 15.0 | 18.3 |
| 34879 2001 $UQ_{35}$ | 14.7 | X | 131.30120 | 16.39255 | 141.56578 | 8.15919 | 0.1254078 | 0.23246260 | 2.6195940 | 21 | 7 25.6 | 18.5 |
| 34880 2001 $UN_{45}$ | 14.4 | X | 107.70511 | 194.01662 | 172.62614 | 4.84501 | 0.0541453 | 0.16139027 | 3.3410616 | 21 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 34881 2001 $UF_{63}$ | 14.6 | X | 159.45702 | 119.75026 | 40.21378 | 10.27232 | 0.0985689 | 0.18663936 | 3.0324982 | 21 | 8 29.0 | 19.4 |
| 34882 2001 $UK_{66}$ | 14.3 | X | 113.07152 | 192.35510 | 42.91908 | 5.37150 | 0.1438128 | 0.29013685 | 2.2597867 | 21 | 10 22.4 | 17.7 |
| 34883 2001 $UQ_{94}$ | 13.9 | X | 214.35033 | 314.76748 | 72.15818 | 22.94896 | 0.0404659 | 0.17798031 | 3.1300750 | 21 | 5 14.9 | 18.6 |
| 34884 2001 $UR_{119}$ | 14.9 | X | 225.94670 | 43.17430 | 177.03802 | 0.09686 | 0.1255682 | 0.30512660 | 2.1851571 | 21 | — | — |
| 34885 2001 $VE_{12}$ | 14.4 | X | 239.41728 | 220.06740 | 30.82686 | 16.12416 | 0.1659065 | 0.21116888 | 2.7928618 | 21 | — | — |
| 34886 2001 $VH_{12}$ | 13.7 | X | 356.30894 | 277.76013 | 3.84354 | 11.28518 | 0.3231280 | 0.23497926 | 2.6008563 | 21 | 6 14.6 | 15.4 |
| 34887 2001 $VJ_{14}$ | 14.2 | X | 58.32406 | 243.14919 | 27.54880 | 9.35726 | 0.1023505 | 0.28950936 | 2.2630508 | 21 | 10 1.3 | 16.9 |
| 34888 2001 $VP_{16}$ | 13.9 | X | 243.36205 | 1.33553 | 94.76358 | 14.18231 | 0.1195318 | 0.24003153 | 2.5642313 | 21 | 9 10.5 | 17.7 |
| 34889 2001 $VY_{33}$ | 15.8 | X | 316.38989 | 93.40838 | 241.36673 | 5.65815 | 0.2427316 | 0.28623908 | 2.2802551 | 21 | 6 8.9 | 17.7 |
| 34890 2001 $VS_{62}$ | 14.8 | X | 180.94379 | 350.75717 | 262.44141 | 4.14891 | 0.0830188 | 0.25443743 | 2.4665053 | 21 | — | — |
| 34891 2001 $VR_{66}$ | 15.2 | X | 338.68598 | 276.77496 | 31.58541 | 7.40031 | 0.1330999 | 0.28446052 | 2.2897499 | 21 | 7 1.5 | 17.3 |
| 34892 Evapalisa | 14.5 | X | 312.93146 | 253.81177 | 109.78834 | 5.17852 | 0.2830448 | 0.23934768 | 2.5691132 | 21 | 7 11.0 | 17.0 |
| 34893 Mihomasatoshi | 14.9 | X | 28.84753 | 312.52233 | 117.72885 | 8.17873 | 0.2616994 | 0.25564076 | 2.4587591 | 21 | — | — |
| 34894 2012 $P$–$L$ | 15.1 | X | 171.36621 | 26.15696 | 356.44492 | 8.17927 | 0.3066069 | 0.21912912 | 2.7248085 | 21 | 3 25.2 | 20.1 |
| 34895 2026 $P$–$L$ | 14.0 | X | 182.75132 | 9.71034 | 334.35701 | 6.17386 | 0.0865435 | 0.21801290 | 2.7341012 | 21 | 2 8.8 | 18.0 |
| 34896 2117 $P$–$L$ | 15.3 | X | 222.84198 | 98.79793 | 270.02934 | 1.21177 | 0.0806176 | 0.22100591 | 2.7093605 | 21 | 4 21.2 | 19.3 |
| 34897 2537 $P$–$L$ | 15.2 | X | 211.01604 | 318.00831 | 26.70627 | 5.22570 | 0.2042153 | 0.26837849 | 2.3803322 | 21 | 3 6.0 | 19.2 |
| 34898 2622 $P$–$L$ | 14.0 | X | 159.19453 | 334.73576 | 152.43383 | 1.55994 | 0.1425481 | 0.17266788 | 3.1939518 | 21 | 7 15.1 | 19.0 |
| 34899 2628 $P$–$L$ | 15.9 | X | 25.26305 | 142.71981 | 5.44403 | 1.67632 | 0.0765689 | 0.26660402 | 2.3908826 | 21 | 1 29.3 | 18.3 |
| 34900 2698 $P$–$L$ | 15.9 | X | 93.81518 | 278.37344 | 5.82384 | 7.63258 | 0.0692928 | 0.29280942 | 2.2460152 | 21 | 11 26.3 | 18.9 |
| 34901 Mauna Loa | 14.6 | X | 33.41257 | 204.04405 | 237.98461 | 0.38178 | 0.2051000 | 0.16767458 | 3.2570510 | 21 | — | — |
| 34902 2728 $P$–$L$ | 14.4 | X | 241.10246 | 152.78498 | 13.19878 | 10.83497 | 0.0722235 | 0.19629993 | 2.9321710 | 21 | 11 27.7 | 18.7 |
| 34903 3037 $P$–$L$ | 13.1 | X | 162.53957 | 148.39967 | 297.96498 | 8.43932 | 0.1114240 | 0.17279938 | 3.1923311 | 21 | 5 27.4 | 18.1 |
| 34904 3085 $P$–$L$ | 13.6 | X | 144.82349 | 237.30351 | 225.84535 | 10.33344 | 0.1044306 | 0.17249868 | 3.1960399 | 21 | 5 30.9 | 18.5 |
| 34905 3110 $P$–$L$ | 14.4 | X | 52.60319 | 73.90174 | 280.23136 | 10.81902 | 0.0643180 | 0.19662837 | 2.9289049 | 21 | 12 19.2 | 18.5 |
| 34906 3116 $P$–$L$ | 14.2 | X | 290.55544 | 41.33442 | 269.37851 | 11.70715 | 0.1387648 | 0.17380870 | 3.1799604 | 21 | 4 18.8 | 18.9 |
| 34907 3527 $P$–$L$ | 15.0 | X | 215.27828 | 314.50798 | 269.56626 | 7.55300 | 0.0560527 | 0.29518050 | 2.2339714 | 21 | — | — |
| 34908 3528 $P$–$L$ | 14.4 | X | 2.30685 | 33.87994 | 232.17617 | 14.30565 | 0.0412207 | 0.22265089 | 2.6959992 | 21 | 6 14.3 | 17.9 |
| 34909 3534 $P$–$L$ | 14.4 | X | 137.06806 | 308.73388 | 0.26495 | 25.25123 | 0.1122538 | 0.21470952 | 2.7620732 | 21 | — | — |
| 34910 4052 $P$–$L$ | 14.1 | X | 41.84647 | 175.17029 | 212.44303 | 8.01510 | 0.0991487 | 0.19723369 | 2.9229092 | 21 | — | — |
| 34911 4288 $P$–$L$ | 15.2 | X | 192.95536 | 12.06435 | 190.56077 | 5.70106 | 0.1399222 | 0.29357550 | 2.2421062 | 21 | 11 29.9 | 18.4 |
| 34912 4314 $P$–$L$ | 15.1 | X | 182.12710 | 24.52638 | 351.72245 | 6.84263 | 0.3168306 | 0.21949956 | 2.7217420 | 21 | 3 25.1 | 20.2 |
| 34913 4527 $P$–$L$ | 15.6 | X | 14.10156 | 148.87869 | 71.07718 | 3.18213 | 0.1640524 | 0.27026890 | 2.3692197 | 21 | 4 23.0 | 17.4 |
| 34914 4535 $P$–$L$ | 14.1 | X | 206.17459 | 356.62037 | 43.05608 | 0.20963 | 0.1725483 | 0.17376402 | 3.1805054 | 21 | 5 12.6 | 19.4 |
| 34915 4564 $P$–$L$ | 14.8 | X | 109.28720 | 311.76749 | 177.48504 | 1.32977 | 0.1441172 | 0.17188240 | 3.2036750 | 21 | 5 29.1 | 19.5 |
| 34916 4595 $P$–$L$ | 15.8 | X | 177.09851 | 189.69805 | 176.36408 | 2.63246 | 0.1879495 | 0.26750106 | 2.3855346 | 21 | 2 28.5 | 19.5 |
| 34917 4616 $P$–$L$ | 15.1 | X | 188.18530 | 253.14382 | 138.56831 | 3.17741 | 0.1911932 | 0.22033592 | 2.7148500 | 21 | 4 16.4 | 19.6 |
| 34918 4654 $P$–$L$ | 15.5 | X | 50.46373 | 345.52914 | 310.05230 | 1.33024 | 0.2464999 | 0.24335006 | 2.5408659 | 21 | 11 6.6 | 18.9 |
| 34919 Imelda | 14.0 | X | 202.80076 | 41.41638 | 16.31438 | 6.61015 | 0.2269476 | 0.12484455 | 3.9648155 | 21 | 5 30.1 | 20.6 |
| 34920 4735 $P$–$L$ | 16.2 | X | 189.68592 | 344.86519 | 51.34011 | 2.64112 | 0.0245019 | 0.31817432 | 2.1250018 | 21 | 4 9.8 | 18.5 |
| 34921 4801 $P$–$L$ | 14.5 | X | 283.27838 | 190.74829 | 98.57703 | 2.14490 | 0.1225534 | 0.17154408 | 3.2078857 | 21 | 3 22.6 | 19.1 |
| 34922 4825 $P$–$L$ | 14.9 | X | 339.95566 | 6.66048 | 190.20890 | 1.45080 | 0.0281094 | 0.21857348 | 2.7294244 | 21 | 2 11.3 | 18.5 |
| 34923 4870 $P$–$L$ | 15.8 | X | 28.15081 | 118.52537 | 180.59499 | 4.80272 | 0.1110471 | 0.25815910 | 2.4427429 | 21 | 9 20.7 | 18.5 |
| 34924 6109 $P$–$L$ | 14.7 | X | 138.12121 | 284.44295 | 339.29659 | 3.32897 | 0.1017514 | 0.24556627 | 2.5255554 | 21 | 12 13.9 | 18.4 |
| 34925 6114 $P$–$L$ | 13.8 | X | 54.54776 | 222.62183 | 348.17137 | 12.83478 | 0.1404717 | 0.22310414 | 2.6923466 | 21 | 7 2.6 | 17.3 |
| 34926 6133 $P$–$L$ | 15.6 | X | 196.26183 | 127.74462 | 245.78365 | 2.78561 | 0.2164389 | 0.26870931 | 2.3783781 | 21 | 3 26.1 | 19.7 |
| 34927 6189 $P$–$L$ | 16.4 | X | 350.76737 | 79.12932 | 266.17205 | 1.67880 | 0.1622912 | 0.29094459 | 2.2556023 | 21 | 9 30.5 | 18.1 |
| 34928 6230 $P$–$L$ | 15.2 | X | 278.90594 | 9.31938 | 281.49438 | 3.10201 | 0.2206393 | 0.26987832 | 2.3715050 | 21 | 2 21.9 | 18.9 |
| 34929 6522 $P$–$L$ | 13.8 | X | 176.28820 | 312.64594 | 112.84229 | 3.06722 | 0.1775846 | 0.17303568 | 3.1894241 | 21 | 5 18.7 | 19.0 |
| 34930 6570 $P$–$L$ | 15.0 | X | 152.11798 | 243.14224 | 180.35973 | 2.41226 | 0.2099755 | 0.26848716 | 2.3796899 | 21 | 4 21.2 | 18.7 |
| 34931 6621 $P$–$L$ | 14.4 | X | 284.42760 | 100.45530 | 169.29369 | 12.58971 | 0.1562962 | 0.22035109 | 2.7147254 | 21 | 2 14.8 | 18.6 |
| 34932 6644 $P$–$L$ | 14.9 | X | 96.34968 | 142.63570 | 153.78472 | 5.35580 | 0.2090013 | 0.24564244 | 2.5250333 | 21 | 12 19.5 | 19.1 |
| 34933 6652 $P$–$L$ | 14.0 | X | 63.62058 | 129.29660 | 122.46674 | 2.00515 | 0.1608447 | 0.17718747 | 3.1394053 | 21 | 9 8.8 | 18.3 |
| 34934 6689 $P$–$L$ | 13.8 | X | 95.58688 | 350.63609 | 177.88296 | 4.83081 | 0.1318101 | 0.17290288 | 3.1910570 | 21 | 6 29.4 | 18.4 |
| 34935 6780 $P$–$L$ | 13.9 | X | 135.33114 | 320.61955 | 167.52176 | 13.53993 | 0.1119886 | 0.17317649 | 3.1876950 | 21 | 6 21.5 | 19.0 |
| 34936 6861 $P$–$L$ | 14.9 | X | 337.18485 | 142.32599 | 117.65902 | 3.91789 | 0.0457610 | 0.22184820 | 2.7024984 | 21 | 5 1.2 | 18.3 |
| 34937 9063 $P$–$L$ | 14.9 | X | 221.43927 | 265.82836 | 205.32035 | 4.51654 | 0.0862107 | 0.29002140 | 2.2603864 | 21 | 9 3.6 | 17.7 |
| 34938 9562 $P$–$L$ | 14.6 | X | 237.19076 | 264.85360 | 82.89037 | 4.52479 | 0.1809365 | 0.17392250 | 3.1785731 | 21 | 4 9.8 | 19.7 |
| 34939 9575 $P$–$L$ | 15.4 | X | 213.16353 | 281.61169 | 78.52482 | 2.90195 | 0.1875028 | 0.31778424 | 2.1267404 | 21 | 3 21.9 | 18.6 |
| 34940 9586 $P$–$L$ | 14.0 | X | 119.47800 | 32.81045 | 133.47606 | 6.12013 | 0.0993167 | 0.17383359 | 3.1796569 | 21 | 7 19.9 | 18.7 |
| 34941 1244 $T$–1 | 14.4 | X | 102.67888 | 160.08234 | 205.69050 | 3.86003 | 0.0837148 | 0.21141283 | 2.7907129 | 21 | — | — |
| 34942 1275 $T$–1 | 15.8 | X | 151.29742 | 278.14022 | 352.20280 | 5.20511 | 0.1981945 | 0.30579760 | 2.1819594 | 21 | — | — |
| 34943 1286 $T$–1 | 14.5 | X | 64.07986 | 13.55931 | 194.56438 | 17.69803 | 0.1614507 | 0.17984079 | 3.1084502 | 21 | 7 11.6 | 19.0 |
| 34944 2202 $T$–1 | 14.8 | X | 8.36886 | 76.92033 | 155.19800 | 4.14661 | 0.3111657 | 0.17585438 | 3.1552511 | 21 | 5 11.5 | 17.2 |
| 34945 2263 $T$–1 | 15.0 | X | 307.10825 | 119.57197 | 179.04283 | 6.38447 | 0.1657880 | 0.27689698 | 2.3312592 | 21 | 4 15.3 | 17.8 |
| 34946 2286 $T$–1 | 14.2 | X | 290.74683 | 220.25487 | 173.66214 | 13.88930 | 0.3055314 | 0.22442428 | 2.6817780 | 21 | 7 12.1 | 18.0 |
| 34947 3298 $T$–1 | 14.9 | X | 99.64548 | 343.09371 | 187.84949 | 19.39703 | 0.2301287 | 0.22051807 | 2.7133548 | 21 | 7 17.1 | 19.4 |
| 34948 4103 $T$–1 | 14.8 | X | 51.02124 | 140.90191 | 86.69007 | 3.47366 | 0.1464862 | 0.25948688 | 2.4344029 | 21 | 7 21.2 | 17.4 |
| 34949 4111 $T$–1 | 14.5 | X | 55.46980 | 194.16573 | 46.00306 | 4.51473 | 0.0961438 | 0.18140498 | 3.0905557 | 21 | 8 5.3 | 18.6 |
| 34950 4188 $T$–1 | 15.9 | X | 356.90973 | 327.27828 | 158.41176 | 2.21305 | 0.0798599 | 0.29100990 | 2.2552648 | 21 | — | — |
| 34951 4221 $T$–1 | 14.4 | X | 116.60507 | 29.82173 | 167.12477 | 4.64655 | 0.0835651 | 0.18230377 | 3.0803893 | 21 | 8 22.4 | 19.0 |
| 34952 4874 $T$–1 | 14.8 | X | 124.48169 | 140.64013 | 51.64070 | 2.94508 | 0.2393972 | 0.18143029 | 3.0902683 | 21 | 9 7.8 | 20.0 |
| 34953 1008 $T$–2 | 14.5 | X | 247.20211 | 49.73970 | 350.51358 | 11.21565 | 0.1266216 | 0.18139883 | 3.0906256 | 21 | 6 25.7 | 19.3 |
| 34954 1032 $T$–2 | 14.7 | X | 239.70291 | 337.34171 | 3.54785 | 2.36142 | 0.0749540 | 0.21914962 | 2.7246386 | 21 | 4 5.2 | 18.8 |
| 34955 1044 $T$–2 | 15.1 | X | 283.90431 | 321.65712 | 327.47344 | 4.07180 | 0.1753842 | 0.28134856 | 2.3066033 | 21 | 2 28.7 | 18.3 |
| 34956 1327 $T$–2 | 14.3 | X | 326.01656 | 296.25714 | 12.56951 | 0.69374 | 0.2651836 | 0.18255825 | 3.0775261 | 21 | 5 21.9 | 17.7 |
| 34957 1347 $T$–2 | 14.4 | X | 97.65152 | 265.07440 | 175.04939 | 1.14826 | 0.1752212 | 0.17490253 | 3.1666884 | 21 | 3 19.9 | 18.7 |
| 34958 1357 $T$–2 | 15.1 | X | 205.56028 | 327.94719 | 15.90559 | 4.56284 | 0.1080447 | 0.21713532 | 2.7414631 | 21 | 3 4.8 | 19.4 |
| 34959 2077 $T$–2 | 15.7 | X | 105.91459 | 0.09138 | 135.82198 | 1.03317 | 0.1740366 | 0.28090568 | 2.3090271 | 21 | 6 2.4 | 18.7 |
| 34960 2100 $T$–2 | 14.5 | X | 234.26218 | 215.98771 | 188.77437 | 16.30371 | 0.1267554 | 0.18072946 | 3.0982520 | 21 | 6 16.8 | 19.6 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 34961 2252 *T–2* | 13.6 | *X* | 129.81595 | 18.43652 | 1.01954 | 8.94428 | 0.1631722 | 0.21413243 | 2.7670335 | 21 | 2 6.5 | 17.7 |
| 34962 2307 *T–2* | 15.2 | *X* | 105.44461 | 174.82702 | 269.41073 | 0.85659 | 0.1848613 | 0.17519291 | 3.1631882 | 21 | 4 3.8 | 19.8 |
| 34963 3091 *T–2* | 14.7 | *X* | 262.67046 | 45.88190 | 179.17982 | 9.15465 | 0.1009060 | 0.21406029 | 2.7676552 | 21 | — | — |
| 34964 3122 *T–2* | 15.1 | *X* | 279.59017 | 205.18021 | 17.19061 | 6.11558 | 0.1630956 | 0.25603118 | 2.4562589 | 21 | — | — |
| 34965 3221 *T–2* | 14.7 | *X* | 267.06112 | 181.93267 | 120.49179 | 1.87929 | 0.1588102 | 0.17726851 | 3.1384483 | 21 | 3 15.6 | 19.6 |
| 34966 3260 *T–2* | 14.4 | *X* | 167.11291 | 329.08077 | 100.55507 | 4.34593 | 0.0519993 | 0.21959888 | 2.7209212 | 21 | 5 8.3 | 18.2 |
| 34967 3269 *T–2* | 14.6 | *X* | 80.30057 | 216.82521 | 165.67291 | 8.53746 | 0.2327651 | 0.21137528 | 2.7910434 | 21 | — | — |
| 34968 4094 *T–2* | 14.8 | *X* | 313.37341 | 245.10027 | 135.36022 | 1.83326 | 0.1526141 | 0.18354801 | 3.0664527 | 21 | 8 24.0 | 18.2 |
| 34969 4108 *T–2* | 15.7 | *X* | 291.97457 | 301.63720 | 142.04248 | 4.73618 | 0.0909594 | 0.28890801 | 2.2661900 | 21 | 11 10.8 | 18.0 |
| 34970 4218 *T–2* | 14.4 | *X* | 78.26559 | 257.94515 | 22.94791 | 14.94209 | 0.0803102 | 0.18614857 | 3.0378261 | 21 | 10 20.9 | 18.8 |
| 34971 4286 *T–2* | 14.6 | *X* | 167.03197 | 120.86726 | 32.94348 | 10.06533 | 0.0414008 | 0.18213437 | 3.0822991 | 21 | 8 28.2 | 19.2 |
| 34972 5039 *T–2* | 13.9 | *X* | 137.03810 | 208.70773 | 329.65585 | 12.90066 | 0.0899268 | 0.18164650 | 3.0878157 | 21 | 8 22.7 | 18.6 |
| 34973 5157 *T–2* | 14.6 | *X* | 63.54840 | 356.30930 | 252.84839 | 9.29976 | 0.0612736 | 0.18242904 | 3.0789791 | 21 | 8 16.9 | 19.0 |
| 34974 5164 *T–2* | 14.3 | *X* | 238.82658 | 146.77514 | 267.05601 | 9.14982 | 0.1407651 | 0.18103713 | 3.0947408 | 21 | 7 1.1 | 19.1 |
| 34975 1050 *T–3* | 13.9 | *X* | 350.27404 | 22.37666 | 275.66807 | 8.60586 | 0.0418025 | 0.17499144 | 3.1656157 | 21 | 7 10.4 | 18.1 |
| 34976 1115 *T–3* | 15.0 | *X* | 246.44856 | 275.65623 | 305.29276 | 6.04704 | 0.0855822 | 0.25360255 | 2.4719156 | 21 | — | — |
| 34977 1167 *T–3* | 14.2 | *X* | 81.34661 | 212.84935 | 336.98241 | 10.79162 | 0.1788052 | 0.24096981 | 2.5575706 | 21 | 7 19.8 | 17.7 |
| 34978 1901 *T–3* | 13.6 | *X* | 156.59914 | 196.56727 | 299.19243 | 8.24918 | 0.0300134 | 0.17390146 | 3.1788294 | 21 | 7 18.8 | 18.1 |
| 34979 2173 *T–3* | 15.1 | *X* | 351.55200 | 188.52452 | 211.73834 | 8.38657 | 0.1374108 | 0.29356668 | 2.2421511 | 21 | 12 26.6 | 17.3 |
| 34980 2307 *T–3* | 15.1 | *X* | 258.51040 | 256.90926 | 313.47640 | 4.28383 | 0.0299461 | 0.29853484 | 2.2172060 | 21 | — | — |
| 34981 2342 *T–3* | 15.6 | *X* | 157.10977 | 82.56807 | 346.50782 | 3.48467 | 0.1695932 | 0.28268684 | 2.2993177 | 21 | 4 27.3 | 19.0 |
| 34982 2494 *T–3* | 14.9 | *X* | 245.98894 | 206.39357 | 320.57186 | 3.12868 | 0.0949885 | 0.29477591 | 2.2360150 | 21 | 12 26.1 | 17.2 |
| 34983 3046 *T–3* | 15.6 | *X* | 263.91277 | 111.60514 | 59.14079 | 4.30850 | 0.1014147 | 0.29607816 | 2.2294538 | 21 | — | — |
| 34984 3163 *T–3* | 13.6 | *X* | 26.37234 | 174.09149 | 27.65759 | 19.09492 | 0.0690193 | 0.17039454 | 3.2222973 | 21 | 4 27.1 | 17.7 |
| 34985 3286 *T–3* | 14.6 | *X* | 350.85546 | 173.14131 | 31.20098 | 12.17586 | 0.0566116 | 0.21401203 | 2.7680712 | 21 | 3 11.7 | 18.2 |
| 34986 3837 *T–3* | 15.1 | *X* | 208.24595 | 244.07703 | 34.05310 | 8.36550 | 0.0566839 | 0.20990775 | 2.8040369 | 21 | — | — |
| 34987 4065 *T–3* | 14.1 | *X* | 76.89623 | 90.62514 | 106.14662 | 6.26900 | 0.0770928 | 0.17304206 | 3.1893457 | 21 | 7 4.4 | 18.6 |
| 34988 4222 *T–3* | 14.7 | *X* | 334.86846 | 200.06086 | 41.62969 | 9.72816 | 0.0970945 | 0.21563875 | 2.7541326 | 21 | 3 30.6 | 18.1 |
| 34989 4251 *T–3* | 15.0 | *X* | 76.61140 | 317.53653 | 76.72168 | 3.98982 | 0.0900074 | 0.20829298 | 2.8185103 | 21 | — | — |
| 34990 4270 *T–3* | 14.7 | *X* | 284.30683 | 210.84975 | 88.38067 | 5.74361 | 0.0700396 | 0.21614013 | 2.7498718 | 21 | 4 9.1 | 18.5 |
| 34991 4295 *T–3* | 14.8 | *X* | 56.64305 | 313.74866 | 62.25694 | 5.89438 | 0.1110247 | 0.25127022 | 2.4871885 | 21 | — | — |
| 34992 4418 *T–3* | 14.6 | *X* | 323.34366 | 293.78103 | 53.04005 | 8.66929 | 0.1560590 | 0.24401781 | 2.5362284 | 21 | 7 31.1 | 17.3 |
| 34993 Euaimon | 12.3 | *X* | 291.67125 | 48.23685 | 40.31365 | 8.89445 | 0.0565399 | 0.08446099 | 5.1447617 | 21 | 10 17.9 | 19.0 |
| 34994 1977 $CS_1$ | 14.9 | *X* | 182.47616 | 27.53942 | 128.46182 | 7.32313 | 0.2246103 | 0.23386337 | 2.6091231 | 21 | 9 12.9 | 19.4 |
| 34995 Dainihonshi | 14.9 | *X* | 127.97278 | 109.43297 | 47.54079 | 1.08671 | 0.2245663 | 0.18510494 | 3.0492337 | 21 | 7 28.5 | 19.9 |
| 34996 Mitokoumon | 14.1 | *X* | 328.57361 | 81.29988 | 348.71806 | 11.47050 | 0.1618972 | 0.23864796 | 2.5741325 | 21 | 12 9.9 | 16.9 |
| 34997 1978 *OP* | 13.3 | *X* | 248.92797 | 193.36929 | 108.99193 | 14.82521 | 0.1574327 | 0.22220438 | 2.6996096 | 21 | 2 23.9 | 17.7 |
| 34998 1978 *SE* | 13.7 | *X* | 123.60670 | 271.15871 | 140.12854 | 13.91073 | 0.1197040 | 0.21992697 | 2.7182145 | 21 | 3 3.1 | 17.5 |
| 34999 1978 $VC_3$ | 14.2 | *X* | 168.48989 | 74.77848 | 255.94940 | 5.35976 | 0.1891968 | 0.21404727 | 2.7677674 | 21 | 1 16.0 | 18.6 |
| 35000 1978 $VN_3$ | 15.5 | *X* | 154.59931 | 213.69499 | 224.43994 | 3.86856 | 0.0926975 | 0.21889594 | 2.7267433 | 21 | 5 6.3 | 19.3 |
| 35001 1978 $VN_4$ | 15.8 | *X* | 162.80229 | 251.88025 | 103.54442 | 2.12463 | 0.1908533 | 0.26155956 | 2.4215252 | 21 | 2 3.9 | 19.5 |
| 35002 1978 $VY_8$ | 12.9 | *X* | 53.89877 | 108.68973 | 247.45137 | 10.20978 | 0.0355507 | 0.18412251 | 3.0600706 | 21 | 12 16.3 | 17.1 |
| 35003 1979 $MT_1$ | 15.7 | *X* | 332.61289 | 219.49098 | 128.54909 | 4.62205 | 0.1798738 | 0.28243224 | 2.3006993 | 21 | 8 21.3 | 17.3 |
| 35004 1979 $MC_3$ | 15.6 | *X* | 180.55086 | 90.94199 | 172.46596 | 2.11856 | 0.1189127 | 0.24491839 | 2.5300074 | 21 | — | — |
| 35005 1979 $MY_3$ | 15.1 | *X* | 42.40629 | 231.86062 | 123.40645 | 6.56086 | 0.1671883 | 0.24056583 | 2.5604331 | 21 | 12 31.7 | 18.6 |
| 35006 1979 $ON_8$ | 14.5 | *X* | 234.35871 | 203.30320 | 151.79944 | 10.62553 | 0.1870935 | 0.22954331 | 2.6417576 | 21 | 4 12.7 | 18.9 |
| 35007 1979 $OD_{11}$ | 14.8 | *X* | 288.16049 | 224.53498 | 138.43290 | 15.98244 | 0.1349107 | 0.23362098 | 2.6109275 | 21 | 6 26.1 | 18.4 |
| 35008 1980 $FZ_2$ | 13.9 | *X* | 58.16129 | 102.45641 | 177.19708 | 16.14686 | 0.1506531 | 0.17752395 | 3.1354370 | 21 | 10 6.1 | 18.2 |
| 35009 1980 $US_1$ | 15.6 | *X* | 226.23338 | 10.43071 | 6.67488 | 4.40196 | 0.2113099 | 0.28106734 | 2.3081417 | 21 | 4 24.0 | 19.4 |
| 35010 1981 $DV_1$ | 14.5 | *X* | 65.32484 | 301.35747 | 317.28373 | 10.38184 | 0.0608443 | 0.18005165 | 3.1060228 | 21 | 9 1.9 | 18.9 |
| 35011 1981 $DU_2$ | 15.2 | *X* | 37.50300 | 332.32889 | 312.59003 | 11.87927 | 0.2095741 | 0.22789051 | 2.6545152 | 21 | 9 21.3 | 18.5 |
| 35012 1981 $EU_2$ | 14.4 | *X* | 43.39848 | 4.77317 | 315.56181 | 11.15123 | 0.0913487 | 0.18375078 | 3.0641963 | 21 | 10 22.8 | 18.8 |
| 35013 1981 $EL_3$ | 15.4 | *X* | 276.72922 | 295.27119 | 284.90942 | 8.05156 | 0.0849561 | 0.21690345 | 2.7434164 | 21 | — | — |
| 35014 1981 $EX_5$ | 14.5 | *X* | 351.74615 | 138.36338 | 226.18224 | 10.03191 | 0.0920886 | 0.18344058 | 3.0676498 | 21 | 10 6.9 | 18.4 |
| 35015 1981 $EO_6$ | 15.3 | *X* | 264.20086 | 179.92656 | 249.23238 | 7.77614 | 0.1691486 | 0.23132217 | 2.6281967 | 21 | 8 13.4 | 19.1 |
| 35016 1981 $EC_7$ | 13.5 | *X* | 72.06019 | 207.74853 | 307.29278 | 7.84083 | 0.1176461 | 0.12561157 | 3.9486589 | 21 | 5 12.2 | 19.0 |
| 35017 1981 $EG_7$ | 15.8 | *X* | 71.33625 | 271.70675 | 300.00135 | 6.10335 | 0.0556833 | 0.27550942 | 2.3390801 | 21 | 7 14.7 | 18.6 |
| 35018 1981 $EX_9$ | 14.5 | *X* | 288.43009 | 48.63318 | 319.26759 | 8.55090 | 0.0787339 | 0.17941827 | 3.1133284 | 21 | 7 12.2 | 18.8 |
| 35019 1981 $EH_{10}$ | 15.2 | *X* | 294.14299 | 44.76743 | 319.69738 | 5.94351 | 0.1244240 | 0.27734002 | 2.3287758 | 21 | 7 8.8 | 17.7 |
| 35020 1981 $EJ_{12}$ | 15.0 | *X* | 159.91291 | 302.54294 | 271.58305 | 4.00937 | 0.1290737 | 0.18446762 | 3.0562529 | 21 | 10 27.3 | 19.9 |
| 35021 1981 $ER_{12}$ | 14.8 | *X* | 113.24727 | 245.26207 | 338.86968 | 11.12642 | 0.0966568 | 0.18143826 | 3.0901778 | 21 | 9 20.6 | 19.5 |
| 35022 1981 $EK_{13}$ | 15.4 | *X* | 254.08698 | 138.91137 | 239.69277 | 5.82109 | 0.1093821 | 0.27560139 | 2.3385596 | 21 | 6 4.3 | 18.6 |
| 35023 1981 $EO_{14}$ | 14.7 | *X* | 43.10049 | 339.13928 | 338.72885 | 14.25400 | 0.1691740 | 0.23141401 | 2.6275014 | 21 | 11 6.9 | 18.4 |
| 35024 1981 $EV_{14}$ | 14.8 | *X* | 110.89008 | 285.94149 | 298.64598 | 4.61939 | 0.1328643 | 0.18122504 | 3.0926012 | 21 | 9 22.4 | 19.7 |
| 35025 1981 $EA_{15}$ | 14.3 | *X* | 50.30411 | 282.46828 | 333.49510 | 9.88413 | 0.0425419 | 0.17889117 | 3.1194411 | 21 | 8 10.9 | 18.6 |
| 35026 1981 $EM_{16}$ | 14.4 | *X* | 45.51482 | 339.51863 | 329.62154 | 9.89203 | 0.0363647 | 0.18295181 | 3.0731110 | 21 | 10 5.2 | 18.7 |
| 35027 1981 $ET_{18}$ | 15.6 | *X* | 228.30316 | 139.80761 | 341.37433 | 4.04793 | 0.1727592 | 0.23281621 | 2.6169408 | 21 | 9 12.0 | 19.6 |
| 35028 1981 $ET_{21}$ | 15.5 | *X* | 229.27040 | 299.58542 | 166.55338 | 5.00040 | 0.2120317 | 0.23198119 | 2.6232169 | 21 | 8 20.5 | 19.7 |
| 35029 1981 $EM_{22}$ | 16.6 | *X* | 174.80476 | 142.95074 | 335.76992 | 2.00648 | 0.1589215 | 0.27779875 | 2.3262114 | 21 | 7 21.3 | 20.2 |
| 35030 1981 $EW_{22}$ | 15.4 | *X* | 222.54353 | 278.77565 | 187.62499 | 3.04872 | 0.2625518 | 0.18107469 | 3.0943128 | 21 | 8 8.9 | 20.7 |
| 35031 1981 $EE_{23}$ | 15.3 | *X* | 24.03613 | 351.21151 | 304.47824 | 2.82035 | 0.1632547 | 0.22862607 | 2.6488186 | 21 | 9 11.3 | 18.2 |
| 35032 1981 $EL_{26}$ | 15.1 | *X* | 85.70573 | 255.50146 | 354.63631 | 8.57679 | 0.1720163 | 0.27851227 | 2.3222368 | 21 | 10 11.4 | 18.5 |
| 35033 1981 $EA_{27}$ | 15.1 | *X* | 215.14361 | 22.77392 | 86.76127 | 1.67059 | 0.1997557 | 0.18061918 | 3.0995131 | 21 | 8 11.9 | 20.2 |
| 35034 1981 $EF_{27}$ | 15.4 | *X* | 139.06508 | 52.73328 | 185.80859 | 3.97770 | 0.1115906 | 0.23289054 | 2.6163840 | 21 | 11 13.4 | 19.3 |
| 35035 1981 $ER_{29}$ | 14.4 | *X* | 223.47365 | 309.52422 | 192.47824 | 13.30096 | 0.1375973 | 0.23326464 | 2.6135858 | 21 | 10 7.8 | 18.2 |
| 35036 1981 $EC_{30}$ | 14.3 | *X* | 171.11059 | 226.35698 | 325.37980 | 18.56200 | 0.0193948 | 0.18376117 | 3.0640808 | 21 | 10 4.8 | 19.0 |
| 35037 1981 $EC_{32}$ | 14.7 | *X* | 52.71906 | 63.72797 | 260.41964 | 8.35718 | 0.0337039 | 0.18437939 | 3.0572278 | 21 | 11 4.4 | 19.0 |
| 35038 1981 $EL_{32}$ | 14.9 | *X* | 99.11198 | 292.24374 | 340.38252 | 13.09185 | 0.0692367 | 0.23304320 | 2.6152413 | 21 | 11 4.2 | 18.9 |
| 35039 1981 $EE_{33}$ | 15.9 | *X* | 211.87619 | 138.74173 | 336.23228 | 12.88380 | 0.1253164 | 0.23079947 | 2.6321634 | 21 | 8 23.4 | 19.9 |
| 35040 1981 $EV_{33}$ | 14.9 | *X* | 224.69960 | 279.53330 | 180.96488 | 21.96678 | 0.0582025 | 0.23037585 | 2.6353891 | 21 | 8 21.9 | 18.9 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 35041 1981 $ER_{34}$ | 15.0 | X | 44.02561 | 307.97085 | 246.59225 | 8.09689 | 0.0255543 | 0.17509332 | 3.1643875 | 21 | 5 10.9 | 19.3 |
| 35042 1981 $EO_{36}$ | 16.1 | X | 151.99946 | 319.94454 | 312.98251 | 8.22673 | 0.2164359 | 0.25940453 | 2.4349180 | 21 | — | — |
| 35043 1981 $EH_{38}$ | 15.7 | X | 28.98250 | 63.39627 | 211.20508 | 4.21109 | 0.1609637 | 0.27619343 | 2.3352165 | 21 | 8 23.8 | 18.0 |
| 35044 1981 $ET_{40}$ | 15.2 | X | 79.71643 | 297.18682 | 313.44128 | 2.94619 | 0.0296805 | 0.22995651 | 2.6385920 | 21 | 9 11.5 | 18.8 |
| 35045 1981 $EB_{42}$ | 14.9 | X | 179.95596 | 288.10827 | 176.48467 | 4.64934 | 0.1036026 | 0.17870396 | 3.1216192 | 21 | 7 6.5 | 19.8 |
| 35046 1981 $EL_{43}$ | 15.4 | X | 135.39594 | 179.08565 | 243.23803 | 1.20218 | 0.0728237 | 0.22224742 | 2.6992611 | 21 | 3 22.1 | 19.2 |
| 35047 1981 $EF_{44}$ | 14.7 | X | 83.50744 | 298.58192 | 331.44840 | 4.30105 | 0.1439898 | 0.18249210 | 3.0782697 | 21 | 10 20.4 | 19.3 |
| 35048 1981 $EF_{45}$ | 14.7 | X | 156.45203 | 177.75009 | 52.19109 | 2.06040 | 0.1568218 | 0.18511787 | 3.0490917 | 21 | 11 12.9 | 19.5 |
| 35049 1981 $EE_{46}$ | 14.5 | X | 50.74996 | 5.05909 | 313.02200 | 4.78243 | 0.1536705 | 0.18411733 | 3.0601281 | 21 | 11 11.4 | 18.8 |
| 35050 1981 $EA_{47}$ | 15.1 | X | 267.89286 | 36.82557 | 350.53323 | 6.04363 | 0.1458933 | 0.27774934 | 2.3264873 | 21 | 6 29.8 | 18.1 |
| 35051 1981 $ED_{47}$ | 16.5 | X | 198.24106 | 133.03229 | 337.15589 | 2.04325 | 0.1670052 | 0.27886352 | 2.3202863 | 21 | 8 1.8 | 20.1 |
| 35052 1982 $JY_{1}$ | 14.5 | X | 144.71415 | 150.42665 | 90.37242 | 6.03634 | 0.0812063 | 0.18736961 | 3.0246139 | 21 | 11 15.6 | 19.1 |
| 35053 Rojyurij | 15.1 | X | 183.74446 | 192.83198 | 218.11761 | 1.93478 | 0.2021561 | 0.26842815 | 2.3800387 | 21 | 5 2.4 | 19.0 |
| 35054 1983 $WK$ | 14.2 | X | 195.43902 | 326.69004 | 75.04650 | 13.43988 | 0.2878091 | 0.22322163 | 2.6914018 | 21 | 5 6.4 | 19.2 |
| 35055 1984 $RB$ | 14.7 | X | 117.62237 | 296.81714 | 155.63700 | 23.36510 | 0.0965866 | 0.36448121 | 1.9409721 | 21 | 3 29.1 | 16.8 |
| 35056 Cullers | 14.0 | X | 209.85534 | 59.79291 | 344.17009 | 23.50562 | 0.3225846 | 0.25802798 | 2.4435704 | 21 | 5 2.7 | 19.1 |
| 35057 1984 $SP_{4}$ | 14.7 | X | 39.94707 | 81.06596 | 302.83464 | 5.09551 | 0.2492865 | 0.24469757 | 2.5315292 | 21 | — | — |
| 35058 1985 $RP_{4}$ | 15.2 | X | 187.50728 | 206.68918 | 136.92509 | 3.75596 | 0.2467352 | 0.26205872 | 2.4184492 | 21 | 2 13.9 | 19.4 |
| 35059 1986 $QM_{1}$ | 15.7 | X | 15.41793 | 232.38543 | 79.32536 | 2.08050 | 0.2234250 | 0.28284043 | 2.2984852 | 21 | 10 10.1 | 17.5 |
| 35060 1986 $QG_{3}$ | 14.1 | X | 221.60302 | 345.32891 | 13.26441 | 5.12888 | 0.1497651 | 0.21668350 | 2.7452727 | 21 | 4 4.8 | 18.6 |
| 35061 1986 $QL_{3}$ | 15.3 | X | 265.75853 | 193.97145 | 132.27184 | 5.63935 | 0.3360203 | 0.21823497 | 2.7322461 | 21 | 3 24.2 | 20.1 |
| 35062 Sakuranosyou | 14.4 | X | 35.86935 | 37.97873 | 163.31399 | 10.51200 | 0.2387076 | 0.27026361 | 2.3692506 | 21 | 5 24.3 | 16.2 |
| 35063 1988 $FD$ | 13.4 | X | 219.30049 | 98.66258 | 12.82395 | 22.92999 | 0.1746103 | 0.28035132 | 2.3120700 | 21 | 9 4.2 | 17.1 |
| 35064 1988 $RE_{10}$ | 15.1 | X | 32.68408 | 177.43111 | 162.01783 | 2.93365 | 0.2359557 | 0.24317956 | 2.5420534 | 21 | 12 10.2 | 18.3 |
| 35065 1988 $SU_{1}$ | 13.1 | X | 272.84380 | 149.29944 | 41.03868 | 11.50612 | 0.0439211 | 0.19013136 | 2.9952532 | 21 | — | — |
| 35066 1988 $SV_{1}$ | 14.4 | X | 195.26755 | 253.25587 | 130.73822 | 10.42271 | 0.0506906 | 0.22927166 | 2.6438438 | 21 | 4 14.5 | 18.3 |
| 35067 1989 $LL$ | 14.6 | X | 272.81437 | 175.81817 | 49.63876 | 6.62638 | 0.1156575 | 0.29789286 | 2.2203903 | 21 | — | — |
| 35068 1989 $SF_{4}$ | 14.0 | X | 97.53051 | 271.17406 | 34.23659 | 10.73529 | 0.0562240 | 0.18896385 | 3.0075780 | 21 | 12 8.3 | 18.5 |
| 35069 1989 $SH_{4}$ | 15.2 | X | 270.93547 | 272.63051 | 49.91077 | 4.36358 | 0.1601363 | 0.26823615 | 2.3811743 | 21 | 4 4.6 | 18.6 |
| 35070 1989 $TE_{3}$ | 14.7 | X | 346.16784 | 235.17628 | 144.84784 | 3.53108 | 0.1583369 | 0.18491528 | 3.0513183 | 21 | 10 23.9 | 18.0 |
| 35071 1989 $TE_{5}$ | 15.0 | X | 107.50679 | 31.62237 | 147.03766 | 4.19882 | 0.0659390 | 0.27094496 | 2.3652769 | 21 | 7 19.2 | 18.0 |
| 35072 1989 $TX_{6}$ | 15.9 | X | 143.38437 | 252.06113 | 107.02303 | 3.73657 | 0.2210275 | 0.25972753 | 2.4328989 | 21 | 1 23.5 | 19.4 |
| 35073 1989 $TG_{16}$ | 15.8 | X | 257.73909 | 149.54431 | 194.89864 | 0.91028 | 0.2059883 | 0.26924456 | 2.3752250 | 21 | 4 13.2 | 19.5 |
| 35074 1989 $UF_{1}$ | 14.9 | X | 164.23651 | 124.02483 | 269.47651 | 1.79766 | 0.2152518 | 0.26331346 | 2.4107602 | 21 | 3 24.5 | 18.8 |
| 35075 1989 $XW_{1}$ | 13.5 | X | 344.15000 | 242.30787 | 168.76085 | 9.91399 | 0.0993052 | 0.18581560 | 3.0414541 | 21 | 11 28.9 | 17.4 |
| 35076 Yataro | 13.8 | X | 48.32044 | 182.40239 | 4.33602 | 12.50900 | 0.0362141 | 0.22826025 | 2.6516479 | 21 | 4 29.3 | 17.3 |
| 35077 1990 $OT_{2}$ | 15.1 | X | 76.50292 | 281.31675 | 25.23008 | 5.30847 | 0.1853695 | 0.29310181 | 2.2445212 | 21 | 12 18.8 | 18.5 |
| 35078 1990 $QB_{7}$ | 15.9 | X | 144.57480 | 164.94020 | 123.03637 | 3.32033 | 0.2262316 | 0.29732365 | 2.2232233 | 21 | — | — |
| 35079 1990 $QR_{7}$ | 16.0 | X | 48.20222 | 3.78977 | 1.72175 | 2.07826 | 0.1772527 | 0.29366850 | 2.2416328 | 21 | — | — |
| 35080 1990 $QH_{8}$ | 15.7 | X | 334.91153 | 313.15993 | 107.58819 | 1.60324 | 0.2468300 | 0.29029319 | 2.2589753 | 21 | — | — |
| 35081 1990 $QT_{8}$ | 15.4 | X | 289.06545 | 140.71226 | 143.73368 | 4.10747 | 0.1616751 | 0.30970734 | 2.1635572 | 21 | 2 26.9 | 18.0 |
| 35082 1990 $RJ_{3}$ | 15.0 | X | 109.77650 | 319.01540 | 352.03412 | 6.28592 | 0.0790277 | 0.29440209 | 2.2379075 | 21 | — | — |
| 35083 1990 $SP_{6}$ | 15.4 | X | 12.33964 | 195.64264 | 161.74831 | 6.09785 | 0.1943268 | 0.28898181 | 2.2658042 | 21 | 12 9.0 | 17.7 |
| 35084 1990 $SP_{9}$ | 15.4 | X | 302.98005 | 269.08693 | 148.13736 | 6.06220 | 0.1291752 | 0.28713634 | 2.2755023 | 21 | 10 17.7 | 17.4 |
| 35085 1990 $SL_{11}$ | 14.3 | X | 112.03567 | 26.53519 | 328.18242 | 4.17952 | 0.1791731 | 0.29775422 | 2.2210795 | 21 | — | — |
| 35086 1990 $TW_{8}$ | 15.1 | X | 14.18818 | 310.92092 | 18.54600 | 5.89500 | 0.1894062 | 0.28671883 | 2.2777108 | 21 | 10 28.1 | 17.1 |
| 35087 von Sydow | 15.4 | X | 209.13573 | 131.05309 | 201.23659 | 21.23858 | 0.0880430 | 0.36683285 | 1.9326679 | 21 | 1 22.3 | 18.4 |
| 35088 1990 $VU_{4}$ | 15.7 | X | 323.04046 | 248.17989 | 119.71980 | 5.66812 | 0.1386186 | 0.28272120 | 2.2991314 | 21 | 9 7.1 | 17.6 |
| 35089 1990 $WH_{1}$ | 14.9 | X | 116.36630 | 186.59815 | 130.22698 | 5.69491 | 0.1394434 | 0.29265220 | 2.2468195 | 21 | — | — |
| 35090 1990 $WR_{1}$ | 15.1 | X | 3.30822 | 223.18262 | 129.87922 | 6.20608 | 0.1583745 | 0.28569960 | 2.2831247 | 21 | 11 11.2 | 17.3 |
| 35091 1990 $WC_{2}$ | 14.4 | X | 304.80711 | 270.29736 | 187.36828 | 10.68896 | 0.0755412 | 0.19139742 | 2.9820299 | 21 | 11 29.9 | 18.4 |
| 35092 1990 $WK_{6}$ | 15.0 | X | 253.38639 | 146.75177 | 200.91657 | 7.10531 | 0.1472095 | 0.27473393 | 2.3434796 | 21 | 4 18.2 | 18.2 |
| 35093 Akicity | 13.8 | X | 161.36904 | 32.40664 | 115.64806 | 6.30345 | 0.1004478 | 0.17380843 | 3.1799637 | 21 | 8 11.5 | 18.8 |
| 35094 1991 $GW_{2}$ | 14.0 | X | 65.80996 | 175.32162 | 63.16701 | 1.87015 | 0.1249782 | 0.17255867 | 3.1952992 | 21 | 8 20.3 | 18.4 |
| 35095 1991 $GY_{3}$ | 15.4 | X | 84.54609 | 148.88935 | 18.47077 | 2.81248 | 0.1227554 | 0.26609258 | 2.3939452 | 21 | 6 10.0 | 18.2 |
| 35096 1991 $GV_{4}$ | 15.0 | X | 246.31092 | 104.52424 | 187.25645 | 2.69021 | 0.1688060 | 0.25704960 | 2.4497669 | 21 | 1 30.3 | 18.9 |
| 35097 1991 $GS_{5}$ | 15.1 | X | 128.21823 | 39.67031 | 221.57515 | 5.86105 | 0.1520409 | 0.24382206 | 2.5375857 | 21 | 12 2.6 | 19.0 |
| 35098 1991 $GB_{7}$ | 13.7 | X | 150.43302 | 117.85358 | 28.33611 | 7.88158 | 0.0862992 | 0.17146808 | 3.2088336 | 21 | 7 30.1 | 18.7 |
| 35099 1991 $GY_{7}$ | 15.4 | X | 349.73531 | 301.14965 | 318.85847 | 1.74420 | 0.1458695 | 0.26389432 | 2.4072213 | 21 | 5 4.7 | 17.7 |
| 35100 1991 $NK$ | 14.4 | X | 326.74069 | 41.57450 | 239.45876 | 13.07996 | 0.2443199 | 0.22645528 | 2.6657193 | 21 | 4 9.1 | 17.6 |
| 35101 1991 $PL_{16}$ | 13.9 | X | 79.76640 | 324.37718 | 350.08427 | 12.26100 | 0.1824260 | 0.23657039 | 2.5891813 | 21 | 12 22.9 | 18.1 |
| 35102 1991 $RT$ | 14.7 | X | 58.07632 | 170.89806 | 159.70264 | 16.10821 | 0.2472423 | 0.23629957 | 2.5911592 | 21 | 12 28.0 | 18.9 |
| 35103 1991 $RZ_{14}$ | 13.2 | X | 312.06578 | 215.82440 | 195.53924 | 1.49843 | 0.0617234 | 0.19873117 | 2.9082075 | 21 | 10 13.3 | 16.7 |
| 35104 1991 $RP_{17}$ | 14.3 | X | 114.80946 | 302.96267 | 349.03119 | 12.05770 | 0.2691785 | 0.23888264 | 2.5724463 | 21 | 12 31.6 | 19.1 |
| 35105 1991 $RP_{23}$ | 13.6 | X | 113.98593 | 267.96952 | 9.40165 | 15.00235 | 0.0914380 | 0.23619540 | 2.5919210 | 21 | 11 30.7 | 17.8 |
| 35106 1991 $TE_{11}$ | 15.8 | X | 79.24812 | 280.81037 | 203.67735 | 2.72376 | 0.1358018 | 0.21432837 | 2.7653468 | 21 | 4 9.8 | 19.2 |
| 35107 1991 $VH$ | 16.7 | X | 205.43385 | 206.94450 | 139.34946 | 13.91168 | 0.1442278 | 0.81257137 | 1.1373524 | 21 | — | — |
| 35108 1991 $VZ_{7}$ | 14.8 | X | 29.47324 | 93.28658 | 60.88170 | 8.35721 | 0.1703928 | 0.21080727 | 2.7960547 | 21 | 3 3.2 | 17.8 |
| 35109 1991 $XM$ | 13.2 | X | 254.11271 | 83.56060 | 243.40602 | 14.27165 | 0.1502711 | 0.21574853 | 2.7531982 | 21 | 3 22.9 | 17.8 |
| 35110 1992 $BJ_{2}$ | 15.4 | X | 150.27607 | 287.47897 | 231.50823 | 4.61121 | 0.0911967 | 0.28460525 | 2.2889736 | 21 | 8 15.2 | 18.6 |
| 35111 1992 $BH_{4}$ | 15.8 | X | 105.86516 | 355.81683 | 11.54191 | 2.39840 | 0.1476990 | 0.30195972 | 2.2004088 | 21 | — | — |
| 35112 1992 $BT_{5}$ | 15.9 | X | 9.28834 | 261.62668 | 218.80447 | 3.68528 | 0.0704568 | 0.30192693 | 2.2005681 | 21 | — | — |
| 35113 1992 $CR_{2}$ | 14.7 | X | 261.31227 | 55.60135 | 201.69601 | 4.08201 | 0.1060565 | 0.30381380 | 2.1914474 | 21 | — | — |
| 35114 1992 $DC_{7}$ | 14.1 | X | 182.67548 | 205.34410 | 120.97374 | 3.15556 | 0.0677735 | 0.19979548 | 2.8978703 | 21 | 1 19.6 | 18.3 |
| 35115 1992 $DN_{8}$ | 14.1 | X | 153.36164 | 330.73972 | 172.22668 | 9.01175 | 0.0382170 | 0.18048675 | 3.1010290 | 21 | 7 22.9 | 18.8 |
| 35116 1992 $DV_{8}$ | 14.4 | X | 203.72687 | 106.91123 | 191.50123 | 5.96245 | 0.1420828 | 0.29952264 | 2.2123285 | 21 | — | — |
| 35117 1992 $DN_{9}$ | 15.8 | X | 92.97763 | 23.04424 | 192.20447 | 4.82053 | 0.1529617 | 0.28122718 | 2.3072670 | 21 | 9 1.7 | 19.0 |
| 35118 1992 $EV_{5}$ | 14.9 | X | 88.09382 | 102.32842 | 128.91943 | 6.85790 | 0.0861897 | 0.28268775 | 2.2993128 | 21 | 9 12.6 | 17.9 |
| 35119 1992 $EY_{6}$ | 13.7 | X | 208.73711 | 241.61300 | 137.78608 | 15.06075 | 0.0491162 | 0.17461116 | 3.1702102 | 21 | 4 30.0 | 18.7 |
| 35120 1992 $EN_{7}$ | 14.6 | X | 301.87354 | 270.97399 | 102.20791 | 6.30494 | 0.2046112 | 0.28413922 | 2.2914757 | 21 | 7 21.0 | 16.7 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 35121 1992 $EP_{8}$ | 15.4 | X | 302.02156 | 138.37963 | 75.58373 | 4.01818 | 0.1133650 | 0.30107100 | 2.2047369 | 21 | — | — |
| 35122 1992 $ET_{15}$ | 15.7 | X | 159.28053 | 357.44893 | 268.82825 | 1.95256 | 0.1756119 | 0.29123384 | 2.2541085 | 21 | — | — |
| 35123 1992 $EB_{17}$ | 15.5 | X | 324.57357 | 182.12998 | 170.41134 | 3.97670 | 0.1676813 | 0.28301675 | 2.2975305 | 21 | 8 8.9 | 17.3 |
| 35124 1992 $EU_{21}$ | 14.0 | X | 261.12016 | 215.31141 | 136.56577 | 13.28520 | 0.0296084 | 0.17680430 | 3.1439394 | 21 | 5 26.9 | 18.7 |
| 35125 1992 $ED_{22}$ | 15.6 | X | 65.83847 | 127.67635 | 120.66367 | 5.43569 | 0.1149498 | 0.28165336 | 2.3049389 | 21 | 9 10.8 | 18.4 |
| 35126 1992 $EM_{25}$ | 15.1 | X | 231.48256 | 359.61995 | 158.30785 | 3.93394 | 0.0200416 | 0.22310591 | 2.6923323 | 21 | 11 21.5 | 18.8 |
| 35127 1992 $EQ_{26}$ | 15.5 | X | 222.73808 | 336.43357 | 143.70781 | 3.21520 | 0.0754655 | 0.28636435 | 2.2795900 | 21 | 9 21.7 | 18.4 |
| 35128 1992 $EG_{27}$ | 15.7 | X | 128.06860 | 117.17610 | 167.75038 | 6.22797 | 0.1873139 | 0.29057696 | 2.2575044 | 21 | — | — |
| 35129 1992 $EZ_{29}$ | 15.6 | X | 99.38481 | 138.10377 | 62.41339 | 1.15498 | 0.0298122 | 0.28106794 | 2.3081384 | 21 | 8 4.4 | 18.2 |
| 35130 1992 $LQ$ | 12.9 | X | 185.59978 | 207.47505 | 75.27055 | 11.48085 | 0.0725042 | 0.19008225 | 2.9957691 | 21 | — | — |
| 35131 1992 $PE_{2}$ | 14.6 | X | 303.22764 | 74.51683 | 291.95121 | 12.49832 | 0.2300855 | 0.23623405 | 2.5916383 | 21 | 7 7.7 | 17.4 |
| 35132 1992 $PY_{3}$ | 15.2 | X | 33.89156 | 46.14333 | 301.74552 | 4.86280 | 0.3044249 | 0.24351871 | 2.5396926 | 21 | — | — |
| 35133 1992 $QX$ | 14.8 | X | 350.11748 | 206.03929 | 154.52208 | 10.54219 | 0.2409182 | 0.23935508 | 2.5690602 | 21 | 10 24.7 | 16.9 |
| 35134 1992 $RE$ | 14.9 | X | 165.87621 | 270.80851 | 111.28697 | 24.34632 | 0.1038473 | 0.35889159 | 1.9610734 | 21 | 2 22.3 | 17.5 |
| 35135 1992 $RO_{1}$ | 14.9 | X | 270.30491 | 181.86130 | 135.74704 | 12.79304 | 0.2582516 | 0.26427252 | 2.4049241 | 21 | 3 21.5 | 18.8 |
| 35136 1992 $RU_{1}$ | 14.8 | X | 231.31885 | 45.18236 | 187.85733 | 4.28294 | 0.0985360 | 0.25188811 | 2.4831194 | 21 | — | — |
| 35137 Meudon | 15.6 | X | 328.99248 | 114.61936 | 153.84580 | 3.18363 | 0.1593164 | 0.26519075 | 2.3993695 | 21 | 4 8.5 | 18.0 |
| 35138 1992 $RV_{5}$ | 15.2 | X | 231.71152 | 222.26000 | 80.96123 | 3.50131 | 0.1726854 | 0.25814278 | 2.4428458 | 21 | 2 1.6 | 19.1 |
| 35139 1992 $RP_{7}$ | 15.5 | X | 324.48728 | 302.35123 | 111.61892 | 3.76501 | 0.2090261 | 0.23994113 | 2.5648752 | 21 | 11 10.0 | 17.6 |
| 35140 1992 $RQ_{7}$ | 15.2 | X | 101.77773 | 206.17240 | 121.14782 | 3.14045 | 0.1193779 | 0.24730463 | 2.5137064 | 21 | — | — |
| 35141 1992 $SH_{1}$ | 14.4 | X | 19.25541 | 321.87657 | 52.95354 | 7.37192 | 0.2853372 | 0.24206732 | 2.5498342 | 21 | — | — |
| 35142 1992 $ST_{7}$ | 15.6 | X | 318.62117 | 131.97320 | 112.02485 | 2.40350 | 0.1537721 | 0.26161492 | 2.4211835 | 21 | 2 18.5 | 18.5 |
| 35143 1992 $UF_{1}$ | 14.2 | X | 240.03862 | 349.86272 | 31.20680 | 8.08071 | 0.2209919 | 0.26281312 | 2.4138189 | 21 | 5 11.6 | 18.1 |
| 35144 1992 $YE_{1}$ | 14.0 | X | 338.24056 | 327.98223 | 79.68211 | 5.11208 | 0.1418852 | 0.23651763 | 2.5895663 | 21 | 11 27.2 | 16.5 |
| 35145 1993 $AM$ | 14.3 | X | 162.99985 | 183.94090 | 303.84090 | 10.80472 | 0.1329181 | 0.22396412 | 2.6854501 | 21 | 7 20.5 | 18.5 |
| 35146 1993 $FC_{9}$ | 14.7 | X | 151.12252 | 214.84845 | 107.84191 | 3.50813 | 0.0509944 | 0.20178717 | 2.8787703 | 21 | — | — |
| 35147 1993 $FD_{9}$ | 14.7 | X | 142.33509 | 81.98359 | 8.57533 | 23.91078 | 0.2877229 | 0.21717287 | 2.7411471 | 21 | 5 14.8 | 19.9 |
| 35148 1993 $FX_{15}$ | 13.9 | X | 108.89809 | 36.60462 | 49.10649 | 7.08923 | 0.1280971 | 0.17645746 | 3.1480578 | 21 | 4 4.7 | 18.5 |
| 35149 1993 $FG_{33}$ | 14.7 | X | 105.37218 | 298.65199 | 97.68141 | 2.92953 | 0.0293799 | 0.20440928 | 2.8540986 | 21 | 1 9.2 | 18.5 |
| 35150 1993 $FR_{41}$ | 14.4 | X | 78.31762 | 110.85730 | 171.26687 | 1.09826 | 0.1677652 | 0.18979901 | 2.9987488 | 21 | 11 4.2 | 18.7 |
| 35151 1993 $FQ_{50}$ | 15.7 | X | 292.28206 | 340.37243 | 329.81916 | 2.25427 | 0.1782826 | 0.31752090 | 2.1279161 | 21 | 4 2.7 | 18.4 |
| 35152 1993 $FG_{51}$ | 14.1 | X | 333.76148 | 127.53146 | 193.44279 | 4.84844 | 0.1821913 | 0.18381693 | 3.0634611 | 21 | 7 4.8 | 17.6 |
| 35153 1993 $FU_{52}$ | 15.0 | X | 182.71300 | 276.49765 | 136.05499 | 4.84027 | 0.0937691 | 0.21502470 | 2.7593734 | 21 | 5 6.2 | 19.2 |
| 35154 1993 $FF_{53}$ | 14.9 | X | 133.21922 | 260.57955 | 63.83188 | 3.37333 | 0.1023084 | 0.20019086 | 2.8940534 | 21 | — | — |
| 35155 1993 $FU_{58}$ | 14.8 | X | 207.82823 | 248.06902 | 191.83138 | 3.64191 | 0.0318344 | 0.18460021 | 3.0547893 | 21 | 7 8.5 | 19.2 |
| 35156 1993 $FH_{59}$ | 15.1 | X | 243.60891 | 294.29642 | 34.73154 | 1.69631 | 0.1914208 | 0.17626586 | 3.1503386 | 21 | 3 22.1 | 20.2 |
| 35157 1993 $FQ_{73}$ | 15.3 | X | 189.92452 | 319.35845 | 302.29387 | 0.92569 | 0.0366411 | 0.19923870 | 2.9032666 | 21 | — | — |
| 35158 1993 $FL_{82}$ | 14.9 | X | 270.75868 | 44.30975 | 157.55214 | 4.53641 | 0.0881664 | 0.20189220 | 2.8777719 | 21 | — | — |
| 35159 1993 $LH_{1}$ | 14.6 | X | 64.62818 | 109.68260 | 308.46998 | 14.46721 | 0.1108599 | 0.23540396 | 2.5977272 | 21 | — | — |
| 35160 1993 $NY$ | 15.7 | X | 13.09543 | 333.67673 | 276.70055 | 1.38151 | 0.1285230 | 0.28000793 | 2.3139599 | 21 | 6 8.7 | 17.5 |
| 35161 1993 $OW$ | 14.9 | X | 262.01799 | 240.33561 | 111.60053 | 23.14779 | 0.2845109 | 0.27563857 | 2.3383493 | 21 | 4 30.6 | 19.2 |
| 35162 1993 $OE_{2}$ | 15.6 | X | 82.13015 | 181.21526 | 160.11501 | 3.69129 | 0.1672844 | 0.29313862 | 2.2443333 | 21 | — | — |
| 35163 1993 $OD_{5}$ | 16.1 | X | 80.29640 | 315.45673 | 358.01886 | 1.09528 | 0.1550116 | 0.29108933 | 2.2548545 | 21 | 12 28.8 | 19.4 |
| 35164 1993 $PZ_{8}$ | 15.1 | X | 36.14086 | 316.24149 | 224.52538 | 4.36703 | 0.1004930 | 0.27338307 | 2.3511931 | 21 | 4 2.8 | 17.4 |
| 35165 Quebec | 13.0 | X | 38.40765 | 320.19797 | 332.18303 | 21.10787 | 0.0256499 | 0.17562772 | 3.1579653 | 21 | 9 3.9 | 17.3 |
| 35166 1993 $QD_{8}$ | 15.6 | X | 253.36623 | 214.38053 | 349.96958 | 5.14734 | 0.0810516 | 0.29497914 | 2.2349879 | 21 | — | — |
| 35167 1993 $RX_{13}$ | 14.0 | X | 46.74370 | 272.09464 | 337.31824 | 1.09330 | 0.1062700 | 0.17265277 | 3.1941381 | 21 | 8 4.4 | 18.0 |
| 35168 1993 $RS_{14}$ | 15.5 | X | 13.29447 | 108.46788 | 176.95844 | 1.79340 | 0.2154878 | 0.27975302 | 2.3153653 | 21 | 8 17.3 | 16.9 |
| 35169 1993 $SP_{2}$ | 15.3 | X | 201.05371 | 167.21822 | 151.79506 | 3.12702 | 0.1939784 | 0.26559572 | 2.3969299 | 21 | 1 23.5 | 19.2 |
| 35170 1993 $TM$ | 14.6 | X | 238.15219 | 355.20616 | 25.88185 | 7.13488 | 0.1217062 | 0.27272751 | 2.3549594 | 21 | 5 16.9 | 17.9 |
| 35171 1993 $TF_{1}$ | 14.5 | X | 260.14049 | 147.40239 | 239.86049 | 5.48590 | 0.1430547 | 0.27469585 | 2.3436962 | 21 | 6 19.3 | 17.6 |
| 35172 1993 $TA_{3}$ | 14.6 | X | 28.98698 | 160.01076 | 146.91354 | 3.97354 | 0.1577902 | 0.28146331 | 2.3059764 | 21 | 10 16.7 | 16.9 |
| 35173 1993 $TP_{9}$ | 15.2 | X | 51.35822 | 322.37098 | 359.71872 | 5.38847 | 0.1778652 | 0.28474642 | 2.2882170 | 21 | 12 9.3 | 18.3 |
| 35174 1993 $TV_{13}$ | 15.3 | X | 327.23020 | 234.64658 | 23.47811 | 2.35868 | 0.1941923 | 0.27143492 | 2.3624297 | 21 | 3 14.2 | 17.9 |
| 35175 1993 $TJ_{21}$ | 13.0 | X | 171.18767 | 200.29887 | 25.46690 | 17.85452 | 0.1463051 | 0.18069657 | 3.0986280 | 21 | 11 16.2 | 18.2 |
| 35176 1993 $TK_{21}$ | 15.7 | X | 225.83923 | 2.23330 | 30.32969 | 7.70779 | 0.1101099 | 0.27224128 | 2.3577625 | 21 | 5 19.6 | 19.1 |
| 35177 1993 $TP_{22}$ | 14.1 | X | 60.10377 | 146.17412 | 96.04898 | 2.60340 | 0.1852956 | 0.17225008 | 3.1991143 | 21 | 8 26.7 | 18.3 |
| 35178 1993 $TQ_{27}$ | 13.7 | X | 47.11765 | 217.01382 | 56.18712 | 7.39244 | 0.0839898 | 0.17240971 | 3.1971394 | 21 | 9 5.4 | 18.1 |
| 35179 1993 $TK_{28}$ | 15.0 | X | 300.32908 | 244.07177 | 59.13321 | 3.24522 | 0.2302809 | 0.27327250 | 2.3518273 | 21 | 4 2.9 | 18.1 |
| 35180 1993 $TC_{38}$ | 15.0 | X | 15.06869 | 215.32628 | 73.39278 | 4.91627 | 0.1449178 | 0.27782609 | 2.3260589 | 21 | 8 20.8 | 17.0 |
| 35181 1993 $TO_{38}$ | 15.6 | X | 179.92707 | 231.78740 | 141.10972 | 5.32534 | 0.1882587 | 0.26577968 | 2.3958237 | 21 | 3 13.3 | 19.4 |
| 35182 1993 $US_{1}$ | 15.6 | X | 154.82470 | 263.31547 | 4.20023 | 4.47579 | 0.1664361 | 0.28973642 | 2.2618684 | 21 | — | — |
| 35183 1993 $UY_{2}$ | 12.7 | X | 347.80086 | 293.26108 | 52.25072 | 23.64140 | 0.1791078 | 0.17480810 | 3.1678286 | 21 | 9 22.9 | 16.7 |
| 35184 1993 $UW_{3}$ | 15.8 | X | 41.08462 | 229.00565 | 68.75357 | 6.85971 | 0.1575756 | 0.28128639 | 2.3069432 | 21 | 10 23.2 | 18.4 |
| 35185 1993 $VS$ | 14.7 | X | 316.78943 | 270.97412 | 126.03765 | 1.52276 | 0.1735351 | 0.24382682 | 2.5375526 | 21 | 9 29.3 | 17.0 |
| 35186 1993 $VV_{1}$ | 15.0 | X | 142.60510 | 97.86475 | 351.05769 | 1.98606 | 0.1718316 | 0.26670672 | 2.3902688 | 21 | 5 10.6 | 18.5 |
| 35187 1993 $VW_{1}$ | 14.6 | X | 104.01345 | 103.50844 | 245.95396 | 7.68418 | 0.2134060 | 0.25580122 | 2.4577308 | 21 | — | — |
| 35188 1993 $VP_{3}$ | 14.1 | X | 238.41430 | 89.52424 | 320.70528 | 3.71716 | 0.1912026 | 0.23723347 | 2.5843544 | 21 | 6 21.3 | 18.2 |
| 35189 1994 $AE$ | 14.9 | X | 107.72519 | 275.26104 | 124.08727 | 5.36494 | 0.1900383 | 0.25732460 | 2.4480212 | 21 | 1 28.1 | 17.6 |
| 35190 1994 $AW$ | 14.2 | X | 234.72958 | 244.33637 | 169.99922 | 1.25902 | 0.1375908 | 0.23396628 | 2.6083580 | 21 | 6 27.7 | 18.0 |
| 35191 1994 $CE_{3}$ | 14.8 | X | 306.19438 | 289.64354 | 152.82697 | 11.01272 | 0.1243295 | 0.24215301 | 2.5492327 | 21 | 11 21.5 | 17.8 |
| 35192 1994 $CG_{6}$ | 14.5 | X | 54.47461 | 171.55512 | 146.73236 | 15.51988 | 0.1912195 | 0.23800264 | 2.5787834 | 21 | 12 5.2 | 18.4 |
| 35193 1994 $CG_{14}$ | 13.8 | X | 227.44812 | 313.53589 | 41.75365 | 6.85099 | 0.0921302 | 0.25854718 | 2.4402979 | 21 | 4 7.1 | 17.2 |
| 35194 1994 $ET_{3}$ | 14.6 | X | 196.26528 | 213.60798 | 161.72302 | 23.92595 | 0.1006838 | 0.36409489 | 1.9423448 | 21 | 3 18.0 | 16.9 |
| 35195 1994 $JD_{4}$ | 15.4 | X | 223.04504 | 267.22183 | 48.93834 | 1.81552 | 0.0579219 | 0.21228972 | 2.7830227 | 21 | 2 18.0 | 19.4 |
| 35196 1994 $JC_{8}$ | 15.1 | X | 159.25633 | 302.24100 | 53.78604 | 5.12691 | 0.0790658 | 0.20987290 | 2.8043474 | 21 | 1 30.9 | 19.2 |
| 35197 Longmire | 14.8 | X | 86.26763 | 105.56857 | 134.21495 | 11.48176 | 0.2005988 | 0.22601763 | 2.6691593 | 21 | 10 3.2 | 19.0 |
| 35198 1994 $PM_{1}$ | 14.9 | X | 19.00657 | 82.99752 | 123.92509 | 24.76765 | 0.0601808 | 0.36305601 | 1.9460484 | 21 | 4 11.9 | 17.3 |
| 35199 1994 $PE_{3}$ | 14.7 | X | 343.12210 | 102.89410 | 157.16766 | 12.41599 | 0.1481761 | 0.21272763 | 2.7792020 | 21 | 5 3.2 | 18.0 |
| 35200 1994 $PX_{4}$ | 14.2 | X | 41.11072 | 51.12147 | 327.57236 | 14.60476 | 0.1081332 | 0.19132483 | 2.9827841 | 21 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 35201 1994 $PW_6$ | 14.8 | X | 310.08481 | 109.37439 | 278.73015 | 0.44892 | 0.1745059 | 0.18169838 | 3.0872278 | 21 | 8 25.3 | 18.3 |
| 35202 1994 $PH_8$ | 14.5 | X | 290.27055 | 195.50188 | 225.03288 | 0.09386 | 0.1600939 | 0.18222826 | 3.0812403 | 21 | 9 8.3 | 18.4 |
| 35203 1994 $PF_{15}$ | 14.4 | X | 132.30669 | 322.37676 | 321.32604 | 9.52934 | 0.0779453 | 0.19225625 | 2.9731426 | 21 | 12 23.5 | 19.0 |
| 35204 1994 $PV_{15}$ | 13.9 | X | 13.65036 | 305.71677 | 164.00446 | 6.28181 | 0.0646989 | 0.19766643 | 2.9186417 | 21 | — | — |
| 35205 1994 $PS_{17}$ | 14.8 | X | 334.11986 | 176.33032 | 203.60581 | 2.29017 | 0.1167693 | 0.18376615 | 3.0640254 | 21 | 9 30.5 | 18.5 |
| 35206 1994 $PO_{27}$ | 14.5 | X | 92.33609 | 327.37472 | 54.79083 | 2.93392 | 0.0979041 | 0.19693039 | 2.9259095 | 21 | — | — |
| 35207 1994 $PN_{36}$ | 14.5 | X | 251.98501 | 292.45802 | 154.12192 | 10.21026 | 0.0551915 | 0.18306403 | 3.0718550 | 21 | 9 7.4 | 18.8 |
| 35208 1994 $PB_{38}$ | 14.0 | X | 33.69763 | 72.51898 | 322.82408 | 9.59229 | 0.0991408 | 0.19232850 | 2.9723979 | 21 | — | — |
| 35209 1994 $PJ_{38}$ | 14.6 | X | 6.42527 | 101.05303 | 314.07461 | 8.36088 | 0.0631262 | 0.19189890 | 2.9768324 | 21 | — | — |
| 35210 1994 $PR_{39}$ | 15.6 | X | 75.14217 | 202.64192 | 155.21746 | 3.50244 | 0.2083479 | 0.30293286 | 2.1956939 | 21 | — | — |
| 35211 1994 $RR_2$ | 15.4 | X | 128.58587 | 32.09230 | 221.70730 | 3.15744 | 0.0236449 | 0.18985725 | 2.9981356 | 21 | 11 10.6 | 19.7 |
| 35212 1994 $RP_{18}$ | 14.7 | X | 165.77183 | 98.82851 | 174.49158 | 1.66635 | 0.0795353 | 0.19461221 | 2.9490988 | 21 | — | — |
| 35213 1994 $RF_{25}$ | 13.9 | X | 33.90567 | 239.42601 | 327.75979 | 14.49032 | 0.0224652 | 0.17118963 | 3.2123122 | 21 | 5 8.5 | 18.6 |
| 35214 1994 $SC_5$ | 15.3 | X | 185.53386 | 91.97350 | 42.19494 | 1.35566 | 0.0930270 | 0.17689825 | 3.1428261 | 21 | 8 18.9 | 20.1 |
| 35215 1994 $SH_9$ | 13.8 | X | 224.79212 | 229.50273 | 27.21698 | 2.30553 | 0.0520443 | 0.19623734 | 2.9327944 | 21 | — | — |
| 35216 1994 $UH_3$ | 14.4 | X | 254.04734 | 298.20611 | 41.04342 | 1.49830 | 0.1736244 | 0.17126604 | 3.2113566 | 21 | 4 14.1 | 19.5 |
| 35217 1994 $VK_1$ | 15.3 | X | 39.76616 | 164.68084 | 210.23167 | 3.84225 | 0.1226410 | 0.29699240 | 2.2248761 | 21 | — | — |
| 35218 1994 $WU_2$ | 15.0 | X | 124.79932 | 287.83567 | 64.24019 | 4.96784 | 0.2055356 | 0.30303493 | 2.1952008 | 21 | — | — |
| 35219 1994 $WY_2$ | 14.7 | X | 189.53372 | 105.73933 | 274.35394 | 4.50312 | 0.1069812 | 0.31128312 | 2.1562495 | 21 | 3 19.2 | 17.7 |
| 35220 1994 $WU_7$ | 13.8 | X | 342.15420 | 148.67072 | 146.25465 | 6.99836 | 0.1130638 | 0.17233924 | 3.1980108 | 21 | 6 21.2 | 17.8 |
| 35221 1994 $XK_1$ | 15.3 | X | 80.56374 | 10.39357 | 67.51925 | 2.23405 | 0.1498428 | 0.26702520 | 2.3883678 | 21 | 1 29.8 | 17.5 |
| 35222 Delbarrio | 14.7 | X | 85.90151 | 129.21318 | 75.29759 | 7.19562 | 0.0577590 | 0.28127714 | 2.3069938 | 21 | 7 27.5 | 17.5 |
| 35223 1995 $BR$ | 15.7 | X | 215.27302 | 23.35351 | 125.41686 | 10.60306 | 0.0708825 | 0.28481610 | 2.2878437 | 21 | 10 26.4 | 18.8 |
| 35224 1995 $BN_1$ | 15.5 | X | 195.78973 | 60.86616 | 77.72980 | 2.39592 | 0.1232149 | 0.28164164 | 2.3050029 | 21 | 9 9.9 | 18.8 |
| 35225 1995 $DX_8$ | 15.6 | X | 200.70864 | 240.29586 | 138.33345 | 2.09544 | 0.1934030 | 0.26873908 | 2.3782025 | 21 | 4 7.0 | 19.3 |
| 35226 1995 $FT_4$ | 15.6 | X | 268.81512 | 233.38509 | 48.22097 | 2.76790 | 0.1955218 | 0.26210396 | 2.4181709 | 21 | 2 6.6 | 19.3 |
| 35227 1995 $FR_5$ | 15.7 | X | 127.48835 | 256.38191 | 82.30050 | 2.78836 | 0.2065477 | 0.25481137 | 2.4640916 | 21 | — | — |
| 35228 1995 $FB_{14}$ | 15.6 | X | 359.41449 | 142.94331 | 206.76291 | 0.68460 | 0.2058760 | 0.24105983 | 2.5569338 | 21 | 10 22.1 | 17.9 |
| 35229 Benckert | 14.4 | X | 121.42247 | 225.05217 | 27.05464 | 7.02328 | 0.0837433 | 0.28108861 | 2.3080252 | 21 | 11 15.7 | 17.6 |
| 35230 1995 $GW$ | 14.3 | X | 216.02953 | 119.00631 | 35.48015 | 8.41875 | 0.1343543 | 0.28046394 | 2.3114510 | 21 | 10 21.9 | 17.5 |
| 35231 1995 $GH_7$ | 13.9 | X | 238.43270 | 79.48733 | 143.25167 | 7.64912 | 0.1398066 | 0.25166442 | 2.4845906 | 21 | — | — |
| 35232 1995 $GS_7$ | 15.3 | X | 278.47932 | 299.50624 | 131.17456 | 7.10390 | 0.0621769 | 0.28135240 | 2.3065824 | 21 | 10 4.4 | 17.9 |
| 35233 Krcin | 15.7 | X | 169.30846 | 97.11372 | 166.71498 | 1.98850 | 0.1971579 | 0.24612347 | 2.5217422 | 21 | — | — |
| 35234 1995 $NH$ | 14.6 | X | 72.28067 | 160.26787 | 99.82920 | 14.88032 | 0.1320091 | 0.23543344 | 2.5975103 | 21 | 10 9.5 | 18.5 |
| 35235 1995 $OZ_{14}$ | 15.2 | X | 98.04726 | 280.93087 | 179.10182 | 7.66295 | 0.1881787 | 0.21446789 | 2.7641474 | 21 | 4 12.8 | 18.9 |
| 35236 1995 $PC_1$ | 15.2 | X | 255.86205 | 288.70237 | 251.54943 | 6.49031 | 0.1970573 | 0.24299687 | 2.5433274 | 21 | 12 28.7 | 18.2 |
| 35237 Matzner | 14.7 | X | 210.76193 | 35.80962 | 348.40748 | 7.47471 | 0.2340602 | 0.21522480 | 2.7576629 | 21 | 4 21.6 | 19.6 |
| 35238 1995 $QR_1$ | 15.5 | X | 22.49804 | 120.90613 | 174.42767 | 2.47137 | 0.0762468 | 0.22703048 | 2.6612149 | 21 | 8 28.8 | 18.6 |
| 35239 Ottoseydl | 15.5 | X | 88.04397 | 155.84653 | 212.01424 | 1.41058 | 0.0783567 | 0.20064332 | 2.8897011 | 21 | — | — |
| 35240 1995 $SY_5$ | 15.0 | X | 137.21994 | 34.72667 | 178.13280 | 2.24484 | 0.0305171 | 0.19112910 | 2.9848202 | 21 | 10 2.0 | 19.3 |
| 35241 1995 $SD_{41}$ | 15.7 | X | 119.08080 | 311.80214 | 72.64968 | 3.05442 | 0.0710913 | 0.20523440 | 2.8464438 | 21 | 1 17.7 | 19.5 |
| 35242 1995 $SJ_{52}$ | 15.2 | X | 55.37817 | 72.73366 | 354.94494 | 1.98133 | 0.1268964 | 0.20136182 | 2.8828229 | 21 | — | — |
| 35243 1995 $TZ_1$ | 14.4 | X | 146.66191 | 201.30634 | 42.61439 | 7.63140 | 0.2394408 | 0.23122961 | 2.6288981 | 21 | 11 25.5 | 19.0 |
| 35244 1995 $TX_7$ | 15.7 | X | 243.48529 | 266.56641 | 326.42168 | 1.14601 | 0.0620300 | 0.20039275 | 2.8921094 | 21 | — | — |
| 35245 1995 $UW_{12}$ | 15.1 | X | 113.09463 | 82.66705 | 8.23029 | 2.29736 | 0.0305879 | 0.21062679 | 2.7976517 | 21 | 3 27.3 | 18.7 |
| 35246 1995 $UQ_{15}$ | 15.1 | X | 22.00888 | 253.20583 | 97.58883 | 3.92144 | 0.1471511 | 0.18980342 | 2.9987023 | 21 | 11 15.4 | 18.7 |
| 35247 1995 $UZ_{20}$ | 15.3 | X | 32.77849 | 182.63311 | 339.09949 | 1.23356 | 0.0204705 | 0.20969647 | 2.8059201 | 21 | 3 11.1 | 19.0 |
| 35248 1995 $UR_{53}$ | 13.9 | X | 182.40665 | 71.33166 | 305.11509 | 1.44754 | 0.2417031 | 0.17411812 | 3.1761919 | 21 | 3 27.2 | 19.3 |
| 35249 1995 $WQ_3$ | 14.4 | X | 316.50770 | 68.15969 | 71.76189 | 2.97857 | 0.0517823 | 0.19552505 | 2.9399128 | 21 | — | — |
| 35250 1995 $WB_{28}$ | 15.4 | X | 299.52273 | 224.06938 | 51.72412 | 3.27470 | 0.0590666 | 0.21220069 | 2.7838010 | 21 | 3 29.7 | 19.0 |
| 35251 1995 $YE_5$ | 15.1 | X | 129.96806 | 205.10801 | 90.97959 | 3.22291 | 0.0845825 | 0.19443583 | 2.9508820 | 21 | — | — |
| 35252 1995 $YJ_{14}$ | 14.5 | X | 183.11944 | 289.02626 | 91.28137 | 10.52492 | 0.1797661 | 0.17088899 | 3.2160786 | 21 | 4 6.0 | 20.0 |
| 35253 1996 $AB_7$ | 14.5 | X | 261.28089 | 57.38477 | 313.90056 | 10.04329 | 0.0922300 | 0.17233493 | 3.1980642 | 21 | 6 8.6 | 19.3 |
| 35254 1996 $BW_2$ | 13.8 | X | 246.26046 | 337.83473 | 119.37180 | 18.53410 | 0.1659162 | 0.17733186 | 3.1377009 | 21 | 9 2.2 | 18.7 |
| 35255 1996 $BS_8$ | 15.6 | X | 251.30651 | 277.09302 | 35.65501 | 4.19377 | 0.1302673 | 0.31638120 | 2.1330233 | 21 | 2 27.1 | 18.5 |
| 35256 1996 $DT_1$ | 13.7 | X | 229.13973 | 301.25181 | 136.91136 | 12.50964 | 0.1098586 | 0.17423696 | 3.1747475 | 21 | 7 24.0 | 18.6 |
| 35257 1996 $HM_{14}$ | 15.5 | X | 358.99717 | 281.54573 | 36.67873 | 2.93103 | 0.2424597 | 0.28145537 | 2.3060197 | 21 | 9 13.1 | 16.6 |
| 35258 1996 $HN_{23}$ | 15.8 | X | 75.37888 | 202.34293 | 88.32656 | 3.80005 | 0.1393928 | 0.28805283 | 2.2706731 | 21 | 11 22.6 | 18.7 |
| 35259 1996 $HN_{24}$ | 14.4 | X | 211.02616 | 115.10984 | 73.19800 | 5.60440 | 0.1083956 | 0.29394040 | 2.2402502 | 21 | 12 4.9 | 17.1 |
| 35260 1996 $HA_{25}$ | 15.6 | X | 120.42885 | 324.44204 | 181.16352 | 1.40622 | 0.2003779 | 0.28074442 | 2.3099112 | 21 | 7 5.4 | 18.8 |
| 35261 1996 $JX_5$ | 15.8 | X | 305.21078 | 280.37040 | 198.42529 | 6.22770 | 0.0516108 | 0.29698194 | 2.2249283 | 21 | — | — |
| 35262 1996 $NA_2$ | 14.5 | X | 214.41756 | 121.04873 | 298.68648 | 6.42292 | 0.1194885 | 0.27250277 | 2.3562540 | 21 | 6 13.6 | 18.0 |
| 35263 1996 $NH_3$ | 15.6 | X | 183.15024 | 73.75832 | 304.19255 | 0.82487 | 0.1797240 | 0.22274419 | 2.6952463 | 21 | 3 24.4 | 20.1 |
| 35264 1996 $NM_5$ | 14.7 | X | 10.63968 | 336.48058 | 319.43612 | 6.48438 | 0.1266118 | 0.27575221 | 2.3377069 | 21 | 8 17.9 | 16.7 |
| 35265 Takeosaitou | 14.9 | X | 49.12877 | 62.11539 | 237.31704 | 6.55197 | 0.1356446 | 0.28138651 | 2.3063959 | 21 | 10 29.9 | 17.7 |
| 35266 1996 $PC_4$ | 15.4 | X | 202.32978 | 102.60546 | 139.77109 | 6.79403 | 0.1438895 | 0.29197061 | 2.2503149 | 21 | — | — |
| 35267 1996 $PO_7$ | 15.9 | X | 96.25613 | 66.37475 | 313.82787 | 1.96747 | 0.0974782 | 0.25357828 | 2.4720733 | 21 | — | — |
| 35268 Panoramix | 15.7 | X | 353.36467 | 290.09772 | 322.70751 | 4.79838 | 0.0988458 | 0.26985034 | 2.3716690 | 21 | 5 3.0 | 18.2 |
| 35269 Idefix | 14.8 | X | 120.43726 | 150.40455 | 62.98064 | 5.98434 | 0.1362933 | 0.27867260 | 2.3213460 | 21 | 10 1.9 | 18.3 |
| 35270 Molinari | 15.6 | X | 291.12732 | 106.61109 | 210.11303 | 3.96483 | 0.2431145 | 0.26744825 | 2.3858485 | 21 | 4 7.2 | 18.7 |
| 35271 1996 $RR_3$ | 14.9 | X | 22.11709 | 171.52414 | 1.95393 | 3.27521 | 0.0205682 | 0.26063699 | 2.4272361 | 21 | 3 4.3 | 17.8 |
| 35272 1996 $RH_{10}$ | 12.0 | X | 251.34142 | 341.60343 | 158.72459 | 17.58936 | 0.0770173 | 0.08366923 | 5.1771673 | 21 | 10 30.2 | 19.1 |
| 35273 1996 $RF_{11}$ | 15.7 | X | 74.64612 | 220.40473 | 65.35310 | 1.25816 | 0.0616540 | 0.24081647 | 2.5586562 | 21 | 10 28.8 | 19.1 |
| 35274 Kenziarino | 14.8 | X | 159.89581 | 222.85377 | 1.16118 | 5.29565 | 0.1280637 | 0.28278767 | 2.2987712 | 21 | 11 20.1 | 18.3 |
| 35275 1996 $RB_{25}$ | 15.9 | X | 335.07998 | 274.19919 | 9.02189 | 2.14370 | 0.1959377 | 0.27024791 | 2.3693423 | 21 | 5 3.6 | 18.1 |
| 35276 1996 $RS_{25}$ | 11.7 | X | 38.65420 | 358.43522 | 354.14530 | 13.03898 | 0.0760840 | 0.08420511 | 5.1551790 | 21 | 11 7.3 | 18.5 |
| 35277 1996 $RV_{27}$ | 11.8 | X | 210.17413 | 182.90938 | 345.73517 | 20.01987 | 0.0342419 | 0.08220403 | 5.2385043 | 21 | 10 10.9 | 19.0 |
| 35278 1996 $SM$ | 15.8 | X | 292.89720 | 235.44654 | 13.83311 | 6.41268 | 0.1078621 | 0.26008645 | 2.4306601 | 21 | 2 1.8 | 19.2 |
| 35279 1996 $SR$ | 15.3 | X | 0.72234 | 189.98625 | 164.97788 | 4.85555 | 0.2039052 | 0.23952117 | 2.5678725 | 21 | 11 3.1 | 17.6 |
| 35280 1996 $SQ_1$ | 15.8 | X | 44.71773 | 120.83170 | 211.29133 | 3.58491 | 0.1353804 | 0.24112226 | 2.5564924 | 21 | 11 30.9 | 19.2 |

| Planet | | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | m | | ° | ° | ° | ° | | ° | | | | |
| 35281 | 1996 $SD_{6}$ | 15.7 | $X$ | 53.72611 | 288.73828 | 34.42083 | 0.97045 | 0.2051769 | 0.24146971 | 2.5540395 | 21 | 12 9.8 | 19.3 |
| 35282 | 1996 $SC_{7}$ | 14.5 | $X$ | 316.56188 | 14.91516 | 29.21672 | 12.85847 | 0.1835884 | 0.23389105 | 2.6089173 | 21 | 10 8.7 | 16.9 |
| 35283 | Bradtimerson | 15.3 | $X$ | 108.71265 | 293.99768 | 213.73181 | 0.81125 | 0.0339678 | 0.22483646 | 2.6784995 | 21 | 6 3.9 | 19.0 |
| 35284 | 1996 $TM_{3}$ | 14.6 | $X$ | 59.95859 | 132.62757 | 168.11231 | 6.43912 | 0.1297741 | 0.27981546 | 2.3150209 | 21 | 11 16.4 | 17.6 |
| 35285 | 1996 $TR_{5}$ | 14.5 | $X$ | 313.54617 | 4.79481 | 344.06925 | 25.26356 | 0.2288771 | 0.27176851 | 2.3604961 | 21 | 7 7.7 | 17.4 |
| 35286 | Takaoakihiro | 14.3 | $X$ | 355.36947 | 177.55633 | 113.27370 | 12.97041 | 0.1626520 | 0.23050505 | 2.6344042 | 21 | 7 7.2 | 16.7 |
| 35287 | 1996 $TA_{18}$ | 15.4 | $X$ | 198.04690 | 306.84884 | 12.25466 | 2.56686 | 0.1373114 | 0.25441780 | 2.4666322 | 21 | 1 21.5 | 19.2 |
| 35288 | 1996 $TL_{19}$ | 15.5 | $X$ | 358.91863 | 297.67622 | 29.73788 | 4.64639 | 0.1664336 | 0.23350556 | 2.6117879 | 21 | 9 13.3 | 17.9 |
| 35289 | 1996 $TL_{40}$ | 15.3 | $X$ | 32.00103 | 323.88827 | 38.96769 | 4.79339 | 0.1996428 | 0.24242511 | 2.5473248 | 21 | — | — |
| 35290 | 1996 $TE_{42}$ | 14.6 | $X$ | 161.31915 | 263.60933 | 41.10183 | 4.69835 | 0.1359009 | 0.29125121 | 2.2540189 | 21 | — | — |
| 35291 | 1996 $TN_{46}$ | 14.5 | $X$ | 277.93051 | 91.77621 | 343.15679 | 11.27221 | 0.2748059 | 0.23408993 | 2.6074395 | 21 | 8 28.0 | 17.7 |
| 35292 | 1996 $TE_{47}$ | 14.9 | $X$ | 204.33786 | 74.14104 | 322.88388 | 6.14435 | 0.0471308 | 0.26500771 | 2.4004742 | 21 | 5 2.3 | 18.3 |
| 35293 | 1996 $TC_{54}$ | 15.0 | $X$ | 353.33474 | 49.97303 | 18.31773 | 3.83267 | 0.1649647 | 0.24406233 | 2.5359200 | 21 | — | — |
| 35294 | 1996 $UG_{4}$ | 14.7 | $X$ | 358.60935 | 145.47548 | 204.12807 | 13.93499 | 0.0854604 | 0.23563474 | 2.5960307 | 21 | 10 6.8 | 17.6 |
| 35295 | Omo | 14.0 | $X$ | 172.36942 | 169.55558 | 72.06535 | 14.80227 | 0.1112734 | 0.24067408 | 2.5596653 | 21 | 12 19.6 | 17.9 |
| 35296 | 1996 $VY_{1}$ | 14.4 | $X$ | 158.59984 | 226.02988 | 270.46556 | 10.88461 | 0.2003995 | 0.22369272 | 2.6876218 | 21 | 7 26.2 | 19.0 |
| 35297 | 1996 $VS_{3}$ | 15.0 | $X$ | 343.04434 | 146.88648 | 43.57377 | 3.19869 | 0.1159875 | 0.25506232 | 2.4624751 | 21 | 1 19.6 | 17.8 |
| 35298 | 1996 $VH_{5}$ | 14.5 | $X$ | 260.50215 | 164.42060 | 230.27925 | 6.28323 | 0.2199548 | 0.22806768 | 2.6531403 | 21 | 6 20.6 | 18.5 |
| 35299 | 1996 $VK_{8}$ | 14.8 | $X$ | 179.65248 | 71.88738 | 295.38321 | 3.58127 | 0.3297813 | 0.21763810 | 2.7372393 | 21 | 3 13.0 | 19.9 |
| 35300 | 1996 $VQ_{18}$ | 15.5 | $X$ | 187.14961 | 249.82729 | 19.42483 | 1.88173 | 0.0935846 | 0.24571688 | 2.5245233 | 21 | — | — |
| 35301 | 1996 $XE$ | 14.8 | $X$ | 99.43466 | 161.95387 | 243.78422 | 6.71144 | 0.0528256 | 0.20925758 | 2.8098421 | 21 | 1 13.9 | 18.7 |
| 35302 | 1996 $XD_{6}$ | 14.0 | $X$ | 134.35159 | 2.19266 | 83.74406 | 17.69892 | 0.1020969 | 0.17446712 | 3.1719548 | 21 | 5 4.5 | 19.0 |
| 35303 | 1996 $XR_{6}$ | 15.2 | $X$ | 36.34581 | 298.59344 | 349.69010 | 5.93567 | 0.1506827 | 0.23170551 | 2.6252972 | 21 | 9 20.9 | 18.3 |
| 35304 | 1996 $XY_{11}$ | 15.3 | $X$ | 282.94998 | 156.86299 | 73.73031 | 3.13817 | 0.0074359 | 0.20552471 | 2.8437627 | 21 | 1 19.0 | 19.1 |
| 35305 | 1996 $XB_{12}$ | 15.2 | $X$ | 3.65907 | 75.47266 | 28.40979 | 2.20033 | 0.0263675 | 0.20052721 | 2.8908164 | 21 | — | — |
| 35306 | 1996 $XQ_{17}$ | 15.0 | $X$ | 308.64110 | 238.48354 | 101.41373 | 12.12561 | 0.1585349 | 0.22756051 | 2.6570809 | 21 | 6 20.4 | 18.1 |
| 35307 | 1996 $XG_{20}$ | 15.7 | $X$ | 112.15612 | 129.02391 | 256.53454 | 2.02605 | 0.1606305 | 0.20994800 | 2.8036786 | 21 | 1 21.4 | 19.5 |
| 35308 | 1996 $XJ_{20}$ | 15.0 | $X$ | 215.69103 | 36.99116 | 260.70454 | 1.55061 | 0.0780523 | 0.21151826 | 2.7897855 | 21 | 1 17.8 | 19.1 |
| 35309 | 1996 $YF_{3}$ | 14.1 | $X$ | 353.39360 | 83.64711 | 285.29227 | 13.70876 | 0.1394774 | 0.23532927 | 2.5982768 | 21 | 10 23.9 | 17.1 |
| 35310 | 1997 $AX_{1}$ | 13.5 | $X$ | 64.36866 | 94.48017 | 310.70810 | 16.03221 | 0.0957952 | 0.20160274 | 2.8805258 | 21 | — | — |
| 35311 | 1997 $AE_{2}$ | 13.7 | $X$ | 323.79592 | 72.23824 | 303.12254 | 8.87266 | 0.0994444 | 0.18555057 | 3.0443496 | 21 | 9 5.2 | 17.5 |
| 35312 | 1997 $AX_{2}$ | 14.8 | $X$ | 116.98617 | 344.55751 | 90.36145 | 9.36804 | 0.2094749 | 0.21120557 | 2.7925383 | 21 | 4 9.8 | 19.1 |
| 35313 | Hangtianyuan | 14.6 | $X$ | 123.43927 | 288.14356 | 68.21270 | 3.12159 | 0.0754423 | 0.20364534 | 2.8612319 | 21 | — | — |
| 35314 | 1997 $AW_{8}$ | 13.4 | $X$ | 169.48384 | 149.69249 | 305.09296 | 16.64489 | 0.1337030 | 0.17691186 | 3.1426649 | 21 | 6 16.1 | 18.6 |
| 35315 | 1997 $AX_{9}$ | 15.0 | $X$ | 48.02836 | 268.21026 | 180.97232 | 1.85562 | 0.0403420 | 0.20260470 | 2.8710211 | 21 | — | — |
| 35316 | Monella | 14.4 | $X$ | 51.87569 | 261.58873 | 333.94077 | 12.34059 | 0.1175647 | 0.21789019 | 2.7351276 | 21 | 7 30.6 | 17.8 |
| 35317 | 1997 $AQ_{23}$ | 14.6 | $X$ | 340.54629 | 25.35161 | 151.17859 | 15.74742 | 0.0801185 | 0.20379462 | 2.8598345 | 21 | 1 13.7 | 18.6 |
| 35318 | 1997 $BD_{1}$ | 13.8 | $X$ | 322.10501 | 199.98423 | 264.04944 | 14.53368 | 0.0808426 | 0.24236092 | 2.5477745 | 21 | — | — |
| 35319 | 1997 $BU_{4}$ | 14.4 | $X$ | 24.83482 | 73.70555 | 142.03659 | 13.83956 | 0.1037870 | 0.21225391 | 2.7833357 | 21 | 5 18.3 | 17.9 |
| 35320 | 1997 $BR_{8}$ | 14.3 | $X$ | 119.84924 | 178.62093 | 123.29580 | 15.13291 | 0.1524855 | 0.23732820 | 2.5836667 | 21 | — | — |
| 35321 | 1997 $CU_{9}$ | 14.2 | $X$ | 347.51754 | 329.40579 | 336.65219 | 16.74800 | 0.1191101 | 0.17707366 | 3.1407503 | 21 | 7 19.7 | 18.2 |
| 35322 | 1997 $CX_{16}$ | 14.3 | $X$ | 257.30159 | 194.92196 | 317.90866 | 9.74291 | 0.0375817 | 0.19036843 | 2.9927661 | 21 | 12 7.0 | 18.6 |
| 35323 | 1997 $CD_{26}$ | 14.6 | $X$ | 191.71714 | 99.92883 | 136.18519 | 10.97293 | 0.0576497 | 0.19314096 | 2.9640564 | 21 | 12 29.5 | 19.1 |
| 35324 | Orlandi | 13.1 | $X$ | 48.16309 | 288.02023 | 348.03487 | 21.41528 | 0.2490633 | 0.17721082 | 3.1391294 | 21 | 9 26.2 | 17.3 |
| 35325 | Claudiaguarnieri | 14.7 | $X$ | 334.75677 | 281.32227 | 348.97992 | 1.18336 | 0.1659029 | 0.16964353 | 3.2318002 | 21 | 4 30.7 | 18.5 |
| 35326 | Lucastrabla | 14.6 | $X$ | 15.18352 | 113.26475 | 162.30443 | 1.11499 | 0.1407362 | 0.17491747 | 3.1665081 | 21 | 7 22.6 | 18.3 |
| 35327 | 1997 $EP_{13}$ | 14.8 | $X$ | 185.67582 | 232.75985 | 185.33018 | 3.39107 | 0.1135807 | 0.17330981 | 3.1860600 | 21 | 5 17.5 | 19.7 |
| 35328 | 1997 $EH_{15}$ | 14.4 | $X$ | 99.85406 | 193.66824 | 359.20104 | 17.23953 | 0.0978355 | 0.17408420 | 3.1766044 | 21 | 8 6.7 | 19.3 |
| 35329 | 1997 $EG_{34}$ | 14.7 | $X$ | 199.52619 | 28.04230 | 111.26350 | 5.28665 | 0.0969251 | 0.18336988 | 3.0684382 | 21 | 9 10.4 | 19.4 |
| 35330 | 1997 $EN_{35}$ | 14.9 | $X$ | 148.05872 | 44.26903 | 134.99325 | 2.59859 | 0.1797016 | 0.18084545 | 3.0969271 | 21 | 9 8.2 | 20.0 |
| 35331 | 1997 $EO_{47}$ | 13.8 | $X$ | 233.78635 | 10.90862 | 67.59335 | 0.45794 | 0.0568545 | 0.17542979 | 3.1603401 | 21 | 8 4.9 | 18.2 |
| 35332 | 1997 $EY_{52}$ | 14.5 | $X$ | 196.63449 | 134.72696 | 83.88602 | 0.89164 | 0.1207345 | 0.18801395 | 3.0176996 | 21 | 12 7.8 | 19.2 |
| 35333 | 1997 $EW_{55}$ | 14.5 | $X$ | 9.85020 | 268.99347 | 351.52026 | 1.10487 | 0.0539820 | 0.17137241 | 3.2100277 | 21 | 6 20.0 | 18.7 |
| 35334 | Yarkovsky | 14.2 | $X$ | 310.13998 | 312.50135 | 131.66437 | 4.18255 | 0.0354202 | 0.18798883 | 3.0179684 | 21 | 11 22.3 | 18.2 |
| 35335 | 1997 $FU_{1}$ | 13.6 | $X$ | 291.49413 | 266.45014 | 89.84884 | 15.06128 | 0.0986817 | 0.17109056 | 3.2135522 | 21 | 6 26.9 | 17.9 |
| 35336 | 1997 $FO_{2}$ | 13.4 | $X$ | 80.90284 | 79.12577 | 187.48097 | 15.22129 | 0.0839733 | 0.17956295 | 3.1116558 | 21 | 10 7.7 | 17.8 |
| 35337 | 1997 $FB_{3}$ | 14.2 | $X$ | 113.01426 | 34.61100 | 197.40285 | 10.59421 | 0.0304000 | 0.17967985 | 3.1103061 | 21 | 9 24.6 | 18.6 |
| 35338 | 1997 $GD_{7}$ | 14.2 | $X$ | 58.57653 | 169.27687 | 75.31973 | 1.99606 | 0.0965951 | 0.17244500 | 3.1967032 | 21 | 8 14.1 | 18.4 |
| 35339 | 1997 $GS_{16}$ | 13.6 | $X$ | 4.18437 | 318.74637 | 171.77778 | 1.98087 | 0.0230592 | 0.19657668 | 2.9294183 | 21 | — | — |
| 35340 | 1997 $GV_{18}$ | 13.8 | $X$ | 179.01527 | 232.34568 | 208.10163 | 4.06535 | 0.1437476 | 0.17135397 | 3.2102580 | 21 | 6 7.1 | 18.9 |
| 35341 | 1997 $GT_{22}$ | 13.2 | $X$ | 200.76974 | 235.38580 | 40.76138 | 10.76952 | 0.0731536 | 0.19113201 | 2.9847899 | 21 | — | — |
| 35342 | 1997 $GZ_{24}$ | 14.0 | $X$ | 350.90226 | 155.14643 | 184.72811 | 15.47017 | 0.0207118 | 0.17791443 | 3.1308476 | 21 | 9 2.2 | 18.5 |
| 35343 | 1997 $GV_{36}$ | 14.4 | $X$ | 75.25757 | 69.95582 | 155.78637 | 1.45755 | 0.1435562 | 0.17388561 | 3.1790226 | 21 | 8 18.0 | 18.8 |
| 35344 | 1997 $HX_{6}$ | 13.6 | $X$ | 281.69336 | 64.96348 | 97.34041 | 2.35454 | 0.1614646 | 0.19080097 | 2.9882413 | 21 | — | — |
| 35345 | 1997 $HY_{6}$ | 13.4 | $X$ | 123.45880 | 212.08687 | 52.30629 | 10.16517 | 0.0329455 | 0.18239798 | 3.0793286 | 21 | 11 16.7 | 17.8 |
| 35346 | Ivanoferri | 14.1 | $X$ | 162.87282 | 60.26964 | 74.14985 | 9.99175 | 0.0346519 | 0.17342713 | 3.1846230 | 21 | 7 26.2 | 18.8 |
| 35347 | Tallinn | 12.7 | $X$ | 183.24820 | 215.23809 | 55.50373 | 10.72635 | 0.0641546 | 0.18848315 | 3.0126894 | 21 | — | — |
| 35348 | 1997 $JO_{18}$ | 13.4 | $X$ | 128.29645 | 183.92619 | 60.70057 | 18.66234 | 0.1622589 | 0.17977663 | 3.1091897 | 21 | 11 8.3 | 18.5 |
| 35349 | 1997 $LY_{12}$ | 14.4 | $X$ | 160.88145 | 47.92496 | 84.05651 | 6.23048 | 0.1059173 | 0.17063579 | 3.2192593 | 21 | 7 22.3 | 19.4 |
| 35350 | Lespaul | 13.9 | $X$ | 38.74255 | 136.70559 | 140.90290 | 5.09524 | 0.1210354 | 0.17164722 | 3.2066005 | 21 | 8 31.8 | 18.0 |
| 35351 | 1997 $MP_{3}$ | 16.0 | $X$ | 170.07551 | 186.57597 | 122.74957 | 5.17674 | 0.1656669 | 0.30905591 | 2.1665964 | 21 | — | — |
| 35352 | Texas | 16.4 | $X$ | 234.97122 | 76.20667 | 228.99760 | 1.58023 | 0.2398786 | 0.27397359 | 2.3478134 | 21 | 2 1.9 | 20.5 |
| 35353 | 1997 $RW_{9}$ | 14.8 | $X$ | 246.69140 | 339.23732 | 238.45992 | 5.19652 | 0.0211125 | 0.30586324 | 2.1816472 | 21 | — | — |
| 35354 | 1997 $SP_{1}$ | 16.0 | $X$ | 290.33202 | 266.97000 | 137.72002 | 0.44598 | 0.1840235 | 0.28499815 | 2.2868693 | 21 | 8 22.4 | 18.3 |
| 35355 | 1997 $SB_{2}$ | 15.7 | $X$ | 17.28010 | 122.75614 | 18.94274 | 3.68340 | 0.0536521 | 0.30518467 | 2.1848799 | 21 | — | — |
| 35356 | Vondrák | 16.4 | $X$ | 75.55976 | 12.99260 | 351.32172 | 5.48320 | 0.1243133 | 0.29767222 | 2.2214874 | 21 | — | — |
| 35357 | Haraldlesch | 15.7 | $X$ | 72.75108 | 47.12849 | 229.03407 | 3.62839 | 0.1800659 | 0.29039481 | 2.2584483 | 21 | 11 4.9 | 18.7 |
| 35358 | Lorifini | 15.1 | $X$ | 58.49468 | 80.73669 | 350.59177 | 10.17042 | 0.2329166 | 0.26163785 | 2.4210420 | 21 | — | — |
| 35359 | 1997 $SO_{33}$ | 15.3 | $X$ | 278.30177 | 12.69148 | 31.92568 | 3.56112 | 0.1166526 | 0.28103699 | 2.3083078 | 21 | 8 15.6 | 17.8 |
| 35360 | 1997 $TY_{11}$ | 14.4 | $X$ | 115.12042 | 228.40843 | 138.11119 | 2.55852 | 0.2018638 | 0.30329442 | 2.1939485 | 21 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 35361 1997 $TH_{26}$ | 16.0 | $X$ | 112.24742 | 12.85820 | 329.77500 | 3.25948 | 0.1553340 | 0.30024617 | 2.2087729 | 21 | — | — |
| 35362 1997 $TZ_{26}$ | 15.3 | $X$ | 76.41347 | 184.42370 | 154.37002 | 9.95188 | 0.2034162 | 0.25424171 | 2.4677709 | 21 | — | — |
| 35363 1997 $TV_{28}$ | 11.8 | $X$ | 333.47541 | 24.06967 | 32.94457 | 16.03773 | 0.0791005 | 0.08338176 | 5.1890599 | 21 | 10 30.3 | 18.3 |
| 35364 Donaldpray | 15.2 | $X$ | 348.22426 | 200.31607 | 216.74616 | 6.26428 | 0.0765563 | 0.29232960 | 2.2484722 | 21 | — | — |
| 35365 Cooney | 16.0 | $X$ | 255.49949 | 230.62535 | 219.36891 | 5.61910 | 0.0690309 | 0.28398691 | 2.2922950 | 21 | 9 21.6 | 18.9 |
| 35366 Kaifeng | 16.0 | $X$ | 52.21803 | 226.39063 | 152.33925 | 2.89836 | 0.1662747 | 0.29704533 | 2.2246118 | 21 | — | — |
| 35367 1997 $UW_7$ | 16.3 | $X$ | 183.27231 | 314.15282 | 20.02166 | 0.73432 | 0.2289334 | 0.26606964 | 2.3940828 | 21 | 1 29.1 | 20.1 |
| 35368 1997 $UB_8$ | 14.6 | $X$ | 215.52881 | 221.87431 | 202.68301 | 22.72887 | 0.3139719 | 0.27694840 | 2.3309707 | 21 | 6 10.9 | 19.2 |
| 35369 1997 $UJ_{11}$ | 13.8 | $X$ | 182.10513 | 76.02175 | 49.23556 | 22.99088 | 0.1955274 | 0.27721021 | 2.3295028 | 21 | 8 15.5 | 18.2 |
| 35370 Daisakyu | 16.1 | $X$ | 327.17255 | 209.22059 | 198.75872 | 3.53049 | 0.1513969 | 0.28954446 | 2.2628680 | 21 | 11 21.0 | 17.8 |
| 35371 1997 $UZ_{21}$ | 14.3 | $X$ | 95.86241 | 176.91693 | 165.64800 | 3.97440 | 0.2079750 | 0.29753032 | 2.2221936 | 21 | — | — |
| 35372 1997 $UN_{24}$ | 15.6 | $X$ | 152.26606 | 182.37936 | 249.89226 | 5.38416 | 0.2826977 | 0.26905389 | 2.3763471 | 21 | 5 6.0 | 19.5 |
| 35373 1997 $UT_{25}$ | 15.8 | $X$ | 191.62192 | 127.09502 | 249.34387 | 1.26225 | 0.2180681 | 0.27190420 | 2.3597108 | 21 | 3 26.3 | 19.8 |
| 35374 1997 $VK$ | 15.4 | $X$ | 209.28202 | 172.60629 | 218.47045 | 5.36878 | 0.1061557 | 0.27263624 | 2.3554849 | 21 | 4 30.9 | 18.8 |
| 35375 1997 $VP_1$ | 14.3 | $X$ | 202.17411 | 324.91579 | 101.47794 | 0.87853 | 0.1095116 | 0.23398183 | 2.6082424 | 21 | 6 10.7 | 18.2 |
| 35376 1997 $VJ_5$ | 14.9 | $X$ | 5.26643 | 59.94251 | 245.72031 | 3.86379 | 0.1791636 | 0.28069881 | 2.3101615 | 21 | 8 26.2 | 16.6 |
| 35377 1997 $WN_2$ | 15.8 | $X$ | 145.27469 | 134.17471 | 327.48440 | 1.71922 | 0.1725396 | 0.26982585 | 2.3718125 | 21 | 5 30.4 | 19.3 |
| 35378 1997 $WN_{12}$ | 15.6 | $X$ | 38.75607 | 359.38371 | 270.35446 | 1.33398 | 0.2180311 | 0.28332247 | 2.2958775 | 21 | 9 15.6 | 17.8 |
| 35379 1997 $WS_{20}$ | 15.8 | $X$ | 12.45291 | 262.87058 | 80.93378 | 5.47711 | 0.1526888 | 0.28689043 | 2.2768024 | 21 | 11 12.0 | 17.9 |
| 35380 1997 $WJ_{21}$ | 15.1 | $X$ | 242.95027 | 326.42472 | 209.02670 | 5.72872 | 0.2217759 | 0.28778298 | 2.2720924 | 21 | 12 11.0 | 17.8 |
| 35381 1997 $WH_{31}$ | 15.9 | $X$ | 205.51225 | 309.49237 | 158.51548 | 2.61948 | 0.1678507 | 0.27833214 | 2.3232386 | 21 | 8 5.2 | 19.3 |
| 35382 1997 $WJ_{36}$ | 15.4 | $X$ | 209.33862 | 267.92963 | 57.98678 | 0.12381 | 0.2188713 | 0.30801181 | 2.1714898 | 21 | 2 3.4 | 19.0 |
| 35383 1997 $WU_{36}$ | 14.8 | $X$ | 134.26273 | 229.31435 | 86.74359 | 7.15802 | 0.2038590 | 0.29817204 | 2.2190041 | 21 | — | — |
| 35384 1997 $WK_{37}$ | 15.6 | $X$ | 236.28766 | 194.08229 | 155.87408 | 2.61771 | 0.2260637 | 0.27218822 | 2.3580690 | 21 | 3 31.1 | 19.4 |
| 35385 1997 $WL_{37}$ | 16.1 | $X$ | 134.59837 | 211.67525 | 197.08556 | 2.67929 | 0.1690161 | 0.26502505 | 2.4003695 | 21 | 3 10.2 | 19.3 |
| 35386 1997 $WM_{43}$ | 14.8 | $X$ | 273.81543 | 207.02901 | 263.04949 | 8.52357 | 0.0657897 | 0.28627548 | 2.2800618 | 21 | 11 19.1 | 17.4 |
| 35387 1997 $WY_{44}$ | 15.7 | $X$ | 226.76038 | 261.98034 | 135.15161 | 2.96418 | 0.2024564 | 0.27441355 | 2.3453033 | 21 | 5 22.9 | 19.5 |
| 35388 1997 $WY_{56}$ | 15.6 | $X$ | 221.26476 | 130.96376 | 267.22215 | 4.85387 | 0.1839751 | 0.27482409 | 2.3429670 | 21 | 5 18.8 | 19.2 |
| 35389 1997 $XO$ | 14.5 | $X$ | 221.99863 | 65.58368 | 300.41356 | 5.37668 | 0.1660368 | 0.26883325 | 2.3776471 | 21 | 4 6.7 | 18.3 |
| 35390 1997 $XW$ | 15.1 | $X$ | 296.70805 | 109.22437 | 293.24118 | 4.70026 | 0.1821602 | 0.28220434 | 2.3019378 | 21 | 8 28.7 | 17.3 |
| 35391 1997 $XN_3$ | 14.8 | $X$ | 19.14185 | 86.16584 | 99.00417 | 3.77224 | 0.1488637 | 0.26008242 | 2.4306852 | 21 | 3 13.0 | 16.9 |
| 35392 1997 $XD_5$ | 14.9 | $X$ | 338.68061 | 120.43819 | 124.02532 | 6.22028 | 0.0460319 | 0.26025098 | 2.4296355 | 21 | 4 8.9 | 17.8 |
| 35393 1997 $XJ_5$ | 15.4 | $X$ | 316.22554 | 229.19170 | 196.67911 | 5.19058 | 0.1366184 | 0.28656823 | 2.2785087 | 21 | 11 25.2 | 17.2 |
| 35394 Countbasie | 14.1 | $X$ | 35.21359 | 36.08258 | 144.12205 | 9.93637 | 0.2110598 | 0.21509361 | 2.7587841 | 21 | 4 23.9 | 16.8 |
| 35395 1997 $XM_{10}$ | 15.2 | $X$ | 145.83456 | 31.25639 | 13.00760 | 2.31372 | 0.2053084 | 0.26449560 | 2.4035717 | 21 | 3 21.3 | 18.7 |
| 35396 1997 $XF_{11}$ | 16.9 | $X$ | 309.27490 | 102.95159 | 213.73043 | 4.09808 | 0.4840296 | 0.56876655 | 1.4427132 | 21 | 2 27.9 | 18.8 |
| 35397 1997 $YJ$ | 15.4 | $X$ | 32.12204 | 269.57513 | 290.29604 | 1.86776 | 0.1539049 | 0.26640120 | 2.3920960 | 21 | 4 29.4 | 17.3 |
| 35398 1997 $YR$ | 15.0 | $X$ | 176.05342 | 27.86827 | 121.17408 | 4.51891 | 0.1345212 | 0.27577982 | 2.3375508 | 21 | 9 2.2 | 18.6 |
| 35399 1997 $YQ_1$ | 15.1 | $X$ | 30.49379 | 84.97613 | 20.02200 | 4.33129 | 0.1601435 | 0.25991645 | 2.4317198 | 21 | — | — |
| 35400 1997 $YU_2$ | 15.1 | $X$ | 211.55234 | 308.47565 | 46.51362 | 3.12756 | 0.2046244 | 0.26833390 | 2.3805960 | 21 | 3 18.4 | 18.9 |
| 35401 1997 $YW_2$ | 15.7 | $X$ | 146.46273 | 344.18864 | 102.04150 | 3.33272 | 0.1307405 | 0.26665846 | 2.3905572 | 21 | 5 9.2 | 19.1 |
| 35402 1997 $YK_3$ | 14.9 | $X$ | 287.22505 | 53.06459 | 321.63905 | 5.76569 | 0.2152958 | 0.28025836 | 2.3125812 | 21 | 6 26.9 | 17.6 |
| 35403 Latimer | 15.2 | $X$ | 58.91861 | 1.31060 | 227.84831 | 6.23373 | 0.0737819 | 0.27467861 | 2.3437943 | 21 | 7 22.2 | 18.0 |
| 35404 1997 $YV_5$ | 13.3 | $X$ | 48.43564 | 342.32921 | 309.48539 | 10.40841 | 0.2160270 | 0.27872678 | 2.3210451 | 21 | 10 26.2 | 16.4 |
| 35405 1997 $YU_7$ | 15.4 | $X$ | 133.07767 | 289.51364 | 102.48066 | 2.08557 | 0.1739974 | 0.26039407 | 2.4287454 | 21 | 2 17.4 | 18.6 |
| 35406 1997 $YH_8$ | 14.2 | $X$ | 338.44772 | 317.66396 | 86.50167 | 8.42486 | 0.2433837 | 0.29021677 | 2.2593718 | 21 | 12 20.8 | 15.5 |
| 35407 1997 $YF_{11}$ | 14.6 | $X$ | 104.02939 | 116.55785 | 105.79889 | 7.50730 | 0.1220185 | 0.27435147 | 2.3456571 | 21 | 9 25.4 | 18.0 |
| 35408 1997 $YS_{13}$ | 15.3 | $X$ | 27.13777 | 224.90294 | 326.93595 | 0.37282 | 0.1313848 | 0.26134151 | 2.4228719 | 21 | 4 6.5 | 17.2 |
| 35409 1997 $YT_{13}$ | 14.9 | $X$ | 198.04926 | 54.64653 | 309.14089 | 7.11702 | 0.0778772 | 0.26187847 | 2.4195588 | 21 | 3 11.6 | 18.4 |
| 35410 1997 $YC_{15}$ | 14.7 | $X$ | 356.41380 | 129.12332 | 58.71788 | 0.89590 | 0.1347926 | 0.25837570 | 2.4413775 | 21 | 2 1.9 | 17.3 |
| 35411 1997 $YX_{16}$ | 15.1 | $X$ | 22.54794 | 284.48703 | 91.19792 | 6.60093 | 0.1137601 | 0.28693757 | 2.2765530 | 21 | — | — |
| 35412 1997 $YN_{17}$ | 15.7 | $X$ | 169.39661 | 58.36487 | 359.09911 | 1.31450 | 0.1743284 | 0.26698034 | 2.3886354 | 21 | 4 26.5 | 19.2 |
| 35413 1998 $AS$ | 15.6 | $X$ | 354.35635 | 197.55547 | 22.50215 | 1.33375 | 0.1364942 | 0.25990829 | 2.4317707 | 21 | 3 16.4 | 18.1 |
| 35414 1998 $AC_3$ | 15.5 | $X$ | 283.07145 | 284.31711 | 99.46234 | 7.76541 | 0.1207058 | 0.27624842 | 2.3349066 | 21 | 7 20.6 | 18.1 |
| 35415 1998 $AD_3$ | 15.5 | $X$ | 37.37516 | 239.91958 | 337.71053 | 2.11662 | 0.1080737 | 0.26722643 | 2.3871687 | 21 | 6 3.9 | 17.9 |
| 35416 1998 $AC_4$ | 14.8 | $X$ | 187.15960 | 221.84737 | 98.43837 | 3.62873 | 0.1997072 | 0.25736525 | 2.4477634 | 21 | 1 15.2 | 18.8 |
| 35417 1998 $AT_4$ | 14.5 | $X$ | 178.07897 | 180.74755 | 103.00467 | 7.20707 | 0.1553005 | 0.29134934 | 2.2535128 | 21 | — | — |
| 35418 1998 $AP_5$ | 14.2 | $X$ | 75.49047 | 303.18227 | 325.24328 | 14.19407 | 0.1235572 | 0.23182786 | 2.6243734 | 21 | 10 6.9 | 18.1 |
| 35419 1998 $AC_6$ | 15.2 | $X$ | 27.70520 | 174.24224 | 333.20943 | 6.16615 | 0.0676919 | 0.25559954 | 2.4590235 | 21 | 2 4.8 | 18.0 |
| 35420 1998 $AG_6$ | 13.6 | $X$ | 53.85569 | 226.35619 | 162.76551 | 10.91456 | 0.1448155 | 0.20157543 | 2.8807859 | 21 | — | — |
| 35421 1998 $AO_6$ | 14.4 | $X$ | 282.82744 | 153.74192 | 311.60700 | 12.23221 | 0.1138777 | 0.24180451 | 2.5516814 | 21 | 11 6.6 | 17.7 |
| 35422 1998 $AF_7$ | 14.9 | $X$ | 88.78385 | 159.98434 | 99.94230 | 7.82790 | 0.1076293 | 0.27897793 | 2.3196519 | 21 | 10 26.7 | 18.1 |
| 35423 1998 $AL_7$ | 14.8 | $X$ | 70.25997 | 269.68508 | 242.57735 | 1.27182 | 0.1398161 | 0.26256840 | 2.4153185 | 21 | 4 29.4 | 17.2 |
| 35424 1998 $BK$ | 15.1 | $X$ | 223.11518 | 324.42819 | 81.77866 | 6.18438 | 0.2177616 | 0.27212293 | 2.3584461 | 21 | 5 30.3 | 18.9 |
| 35425 1998 $BY$ | 14.4 | $X$ | 259.25444 | 256.41488 | 330.76779 | 8.70951 | 0.0079322 | 0.25276893 | 2.4773474 | 21 | — | — |
| 35426 1998 $BN_1$ | 15.1 | $X$ | 289.75685 | 72.61777 | 8.33363 | 3.99376 | 0.0996198 | 0.28203021 | 2.3028852 | 21 | 10 28.3 | 17.4 |
| 35427 1998 $BJ_2$ | 15.1 | $X$ | 28.35220 | 3.27015 | 169.08184 | 2.22139 | 0.1560611 | 0.26010357 | 2.4305534 | 21 | 3 10.2 | 17.0 |
| 35428 1998 $BS_2$ | 14.6 | $X$ | 205.53897 | 27.80598 | 109.87348 | 7.07864 | 0.1134147 | 0.27722304 | 2.3294309 | 21 | 9 22.2 | 18.0 |
| 35429 1998 $BW_4$ | 14.6 | $X$ | 153.77426 | 327.54744 | 255.81843 | 3.62598 | 0.2189214 | 0.23705061 | 2.5856833 | 21 | 11 7.7 | 19.1 |
| 35430 1998 $BT_6$ | 15.3 | $X$ | 52.36541 | 345.07759 | 207.18154 | 1.41998 | 0.1026646 | 0.26460960 | 2.4028813 | 21 | 5 23.2 | 17.8 |
| 35431 1998 $BY_6$ | 14.5 | $X$ | 204.63399 | 222.17145 | 135.37590 | 5.40257 | 0.1071004 | 0.21905022 | 2.7254627 | 21 | 3 20.8 | 18.7 |
| 35432 1998 $BG_9$ | 19.3 | $X$ | 320.42510 | 1.61791 | 115.33121 | 13.13714 | 0.5449126 | 0.24902370 | 2.5021246 | 21 | — | — |
| 35433 1998 $BP_9$ | 15.5 | $X$ | 32.55698 | 39.30413 | 163.28997 | 2.43521 | 0.0420357 | 0.31248025 | 2.1507388 | 21 | 4 24.7 | 17.6 |
| 35434 1998 $BF_{13}$ | 15.1 | $X$ | 256.51897 | 319.13924 | 95.56780 | 2.91177 | 0.2113478 | 0.23565135 | 2.5959088 | 21 | 7 13.9 | 19.0 |
| 35435 1998 $BL_{13}$ | 14.4 | $X$ | 103.33586 | 218.32843 | 108.79687 | 5.39600 | 0.1932400 | 0.29083742 | 2.2561563 | 21 | — | — |
| 35436 1998 $BU_{15}$ | 14.2 | $X$ | 86.76189 | 331.59240 | 60.64557 | 6.89791 | 0.1160567 | 0.21051968 | 2.7986006 | 21 | — | — |
| 35437 1998 $BN_{19}$ | 15.8 | $X$ | 342.99263 | 9.09824 | 5.57368 | 0.25123 | 0.0976622 | 0.23789468 | 2.5795636 | 21 | 10 17.8 | 18.5 |
| 35438 1998 $BZ_{22}$ | 14.8 | $X$ | 35.92911 | 218.55633 | 93.11317 | 3.26572 | 0.1014864 | 0.23339486 | 2.6126137 | 21 | 10 17.4 | 17.9 |
| 35439 1998 $BK_{25}$ | 14.1 | $X$ | 276.56566 | 256.28042 | 87.09808 | 6.60854 | 0.1460023 | 0.26707069 | 2.3880966 | 21 | 5 11.5 | 17.3 |
| 35440 1998 $BG_{30}$ | 15.4 | $X$ | 79.50834 | 279.78686 | 144.52726 | 6.27244 | 0.2430543 | 0.25611455 | 2.4557258 | 21 | 1 23.8 | 17.6 |

| Planet | H | G | M | ω | Ω | i | e | μ | a | TE | Oppos. | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 35441 Kyoko | 14.2 | X | 306.33753 | 61.33803 | 7.30851 | 13.43294 | 0.1577212 | 0.24070055 | 2.5594775 | 21 | 10 22.1 | 17.0 |
| 35442 1998 $BR_{33}$ | 14.1 | X | 27.73148 | 142.34798 | 10.49582 | 9.32761 | 0.0499708 | 0.25648329 | 2.4533716 | 21 | 2 15.6 | 17.0 |
| 35443 1998 $BG_{42}$ | 14.2 | X | 98.65588 | 51.68131 | 349.39556 | 4.01352 | 0.1513904 | 0.30409588 | 2.1900920 | 21 | — | — |
| 35444 1998 $BU_{43}$ | 15.1 | X | 155.73312 | 112.13387 | 47.45910 | 5.58939 | 0.1867428 | 0.27258977 | 2.3557526 | 21 | 8 28.6 | 18.9 |
| 35445 1998 $CY$ | 14.8 | X | 347.74159 | 340.07673 | 244.14690 | 4.21376 | 0.1412728 | 0.25898056 | 2.4375747 | 21 | 3 7.3 | 17.3 |
| 35446 Stáňa | 15.0 | X | 99.91968 | 143.65263 | 93.83071 | 6.33420 | 0.2347632 | 0.27333092 | 2.3514922 | 21 | 10 19.9 | 18.8 |
| 35447 1998 $CW_{2}$ | 14.7 | X | 42.91836 | 99.88535 | 133.58879 | 3.36944 | 0.0574407 | 0.26668457 | 2.3904011 | 21 | 7 2.1 | 17.4 |
| 35448 1998 $CX_{2}$ | 14.6 | X | 106.80019 | 351.31098 | 151.46384 | 6.30852 | 0.0511436 | 0.26440144 | 2.4041423 | 21 | 5 27.7 | 17.7 |
| 35449 1998 $CR_{3}$ | 14.6 | X | 83.23579 | 7.83756 | 124.34102 | 0.54585 | 0.1351030 | 0.17620090 | 3.1511129 | 21 | 4 29.6 | 18.8 |
| 35450 1998 $CV_{4}$ | 13.8 | X | 4.62160 | 38.29246 | 335.96568 | 7.16623 | 0.2065427 | 0.23966172 | 2.5668684 | 21 | 12 6.4 | 16.5 |
| 35451 1998 $CW_{4}$ | 14.2 | X | 311.62218 | 77.08199 | 329.33127 | 13.04726 | 0.1739326 | 0.23716412 | 2.5848582 | 21 | 9 24.7 | 16.9 |
| 35452 1998 $DF_{10}$ | 13.9 | X | 24.19602 | 201.15801 | 172.89139 | 14.32543 | 0.1530276 | 0.23992034 | 2.5650234 | 21 | 12 29.5 | 17.4 |
| 35453 1998 $DE_{13}$ | 14.9 | X | 52.89466 | 49.27130 | 92.01748 | 8.94278 | 0.1614702 | 0.21568886 | 2.7537060 | 21 | 3 29.5 | 18.1 |
| 35454 1998 $DE_{14}$ | 12.9 | X | 7.42239 | 300.71772 | 25.90555 | 12.56349 | 0.2137425 | 0.18222527 | 3.0812739 | 21 | 9 27.9 | 16.1 |
| 35455 1998 $DN_{14}$ | 14.6 | X | 5.83515 | 310.23161 | 110.54494 | 4.46791 | 0.1521079 | 0.24574919 | 2.5243020 | 21 | — | — |
| 35456 1998 $DF_{15}$ | 14.2 | X | 108.27078 | 255.16360 | 162.76277 | 6.32797 | 0.0492189 | 0.21211767 | 2.7845274 | 21 | 2 8.9 | 17.9 |
| 35457 1998 $DN_{15}$ | 14.3 | X | 93.70191 | 342.97547 | 60.34029 | 7.94124 | 0.0925644 | 0.25142307 | 2.4861804 | 21 | — | — |
| 35458 1998 $DU_{15}$ | 14.8 | X | 212.40491 | 74.44163 | 154.70191 | 15.10638 | 0.0643506 | 0.24460374 | 2.5321766 | 21 | — | — |
| 35459 1998 $DG_{20}$ | 13.9 | X | 290.57193 | 159.86288 | 95.47786 | 8.55654 | 0.0987550 | 0.25217256 | 2.4812517 | 21 | 2 9.2 | 17.3 |
| 35460 1998 $DU_{20}$ | 15.0 | X | 256.26296 | 205.90837 | 164.55062 | 2.75286 | 0.2414480 | 0.27766530 | 2.3269568 | 21 | 5 12.6 | 18.6 |
| 35461 Mazzucato | 15.7 | X | 305.50318 | 286.82654 | 297.60640 | 5.43449 | 0.0988822 | 0.25542210 | 2.4601622 | 21 | 1 15.8 | 19.1 |
| 35462 1998 $DW_{23}$ | 15.0 | X | 123.55144 | 4.29626 | 139.48031 | 7.36386 | 0.0789071 | 0.22612972 | 2.6682773 | 21 | 6 23.9 | 18.9 |
| 35463 1998 $DJ_{32}$ | 14.4 | X | 202.92048 | 214.32699 | 196.47306 | 1.99022 | 0.0028253 | 0.23162505 | 2.6259051 | 21 | 5 25.9 | 18.0 |
| 35464 1998 $DC_{33}$ | 14.9 | X | 52.67245 | 198.10462 | 5.56566 | 10.86358 | 0.1619426 | 0.26473006 | 2.4021524 | 21 | 6 18.9 | 17.6 |
| 35465 1998 $DF_{33}$ | 14.6 | X | 193.54074 | 358.92136 | 37.02717 | 7.30698 | 0.1081693 | 0.26507953 | 2.4000406 | 21 | 4 21.4 | 18.1 |
| 35466 1998 $DO_{34}$ | 15.2 | X | 234.04973 | 106.60819 | 148.54914 | 8.88478 | 0.2198668 | 0.24598498 | 2.5226887 | 21 | — | — |
| 35467 1998 $ED$ | 14.2 | X | 149.84046 | 267.11846 | 32.90448 | 13.39515 | 0.1895961 | 0.24151380 | 2.5537287 | 21 | — | — |
| 35468 1998 $EW_{2}$ | 14.7 | X | 163.47028 | 278.65004 | 19.11631 | 9.86837 | 0.0908446 | 0.24097638 | 2.5575241 | 21 | — | — |
| 35469 1998 $ED_{3}$ | 14.2 | X | 38.60230 | 28.52758 | 103.30469 | 7.05911 | 0.0836031 | 0.25227722 | 2.4805654 | 21 | 2 1.4 | 16.9 |
| 35470 1998 $EC_{8}$ | 14.9 | X | 167.55105 | 125.29220 | 136.49932 | 3.37896 | 0.0132833 | 0.19847261 | 2.9107328 | 21 | — | — |
| 35471 1998 $ED_{8}$ | 14.9 | X | 158.23353 | 350.47602 | 127.55902 | 2.63357 | 0.0377753 | 0.22328879 | 2.6908621 | 21 | 6 28.1 | 18.6 |
| 35472 1998 $EJ_{8}$ | 14.5 | X | 168.02242 | 128.81690 | 170.62203 | 6.67661 | 0.1560458 | 0.24418931 | 2.5350408 | 21 | — | — |
| 35473 1998 $EZ_{8}$ | 13.9 | X | 179.99238 | 202.70209 | 47.44303 | 9.47319 | 0.1425376 | 0.24007543 | 2.5639186 | 21 | — | — |
| 35474 1998 $EA_{9}$ | 14.5 | X | 186.84676 | 159.70985 | 111.27479 | 9.08844 | 0.2405008 | 0.24019735 | 2.5630509 | 21 | — | — |
| 35475 1998 $EP_{9}$ | 15.0 | X | 16.71229 | 85.10127 | 111.73720 | 3.30278 | 0.1378182 | 0.25892899 | 2.4378983 | 21 | 3 26.5 | 17.3 |
| 35476 1998 $EN_{10}$ | 14.8 | X | 335.86138 | 352.85637 | 43.60571 | 4.97627 | 0.0551657 | 0.23594240 | 2.5937735 | 21 | 11 4.3 | 17.7 |
| 35477 1998 $ER_{10}$ | 14.8 | X | 209.05502 | 336.48930 | 105.72708 | 3.70464 | 0.2372531 | 0.18632564 | 3.0359012 | 21 | 7 2.5 | 20.1 |
| 35478 1998 $EG_{11}$ | 14.8 | X | 320.70347 | 72.83903 | 131.72213 | 5.87483 | 0.0910226 | 0.25233571 | 2.4801821 | 21 | 1 10.7 | 18.0 |
| 35479 1998 $FT_{4}$ | 14.9 | X | 19.94600 | 163.86857 | 350.66967 | 7.49467 | 0.0985514 | 0.21107641 | 2.7936774 | 21 | 2 12.4 | 18.2 |
| 35480 1998 $FN_{5}$ | 14.2 | X | 180.32371 | 259.13986 | 263.02835 | 11.60132 | 0.1126683 | 0.22971208 | 2.6404635 | 21 | 9 13.3 | 18.5 |
| 35481 1998 $FA_{8}$ | 15.0 | X | 74.63480 | 145.87680 | 14.56178 | 3.12789 | 0.1856980 | 0.22015237 | 2.7163588 | 21 | 5 28.9 | 18.3 |
| 35482 1998 $FJ_{11}$ | 14.9 | X | 232.56368 | 163.39726 | 85.76610 | 7.57961 | 0.1903103 | 0.24389211 | 2.5370998 | 21 | — | — |
| 35483 1998 $FQ_{12}$ | 15.8 | X | 242.83508 | 292.75700 | 174.31338 | 12.08025 | 0.2085638 | 0.23431049 | 2.6058029 | 21 | 9 4.7 | 19.6 |
| 35484 1998 $FC_{14}$ | 14.8 | X | 244.87496 | 212.33102 | 7.03104 | 12.57978 | 0.0652302 | 0.24467150 | 2.5317090 | 21 | — | — |
| 35485 1998 $FZ_{14}$ | 14.8 | X | 256.76491 | 6.56233 | 266.79653 | 5.95250 | 0.1643068 | 0.20691221 | 2.8310354 | 21 | 1 24.5 | 19.4 |
| 35486 1998 $FH_{15}$ | 13.7 | X | 257.66323 | 347.57223 | 353.77349 | 12.02493 | 0.1093595 | 0.21699525 | 2.7426427 | 21 | 4 18.7 | 17.8 |
| 35487 1998 $FK_{16}$ | 14.5 | X | 274.23589 | 288.42312 | 151.33718 | 12.86751 | 0.1638444 | 0.23591603 | 2.5939668 | 21 | 9 17.6 | 17.7 |
| 35488 1998 $FJ_{21}$ | 14.8 | X | 223.01785 | 164.07891 | 7.84681 | 4.49902 | 0.0930346 | 0.23830083 | 2.5766317 | 21 | 11 19.2 | 18.4 |
| 35489 1998 $FE_{22}$ | 15.0 | X | 119.27666 | 209.05133 | 245.26116 | 3.93956 | 0.1405674 | 0.21879823 | 2.7275550 | 21 | 4 21.7 | 18.9 |
| 35490 1998 $FD_{27}$ | 14.9 | X | 265.49607 | 267.99790 | 178.56079 | 14.72957 | 0.0748228 | 0.23373272 | 2.6100954 | 21 | 9 26.7 | 18.1 |
| 35491 1998 $FQ_{27}$ | 14.7 | X | 178.45573 | 308.51717 | 310.90895 | 4.12650 | 0.2450359 | 0.23948669 | 2.5681189 | 21 | — | — |
| 35492 1998 $FA_{29}$ | 15.3 | X | 214.07829 | 224.68757 | 21.72069 | 2.14173 | 0.0463505 | 0.24472768 | 2.5313216 | 21 | — | — |
| 35493 1998 $FG_{29}$ | 14.2 | X | 107.90234 | 312.63584 | 352.48314 | 9.94527 | 0.0950208 | 0.23886220 | 2.5725931 | 21 | — | — |
| 35494 1998 $FZ_{31}$ | 14.3 | X | 238.44955 | 224.12675 | 350.70510 | 14.68379 | 0.1063726 | 0.24325807 | 2.5415064 | 21 | — | — |
| 35495 1998 $FO_{32}$ | 14.3 | X | 104.28985 | 301.47057 | 347.60563 | 11.05016 | 0.2696463 | 0.23374058 | 2.6100369 | 21 | 12 18.6 | 19.1 |
| 35496 1998 $FC_{33}$ | 13.5 | X | 339.94120 | 234.53643 | 173.13083 | 22.09137 | 0.0465213 | 0.23709421 | 2.5853663 | 21 | 11 28.5 | 17.2 |
| 35497 1998 $FT_{33}$ | 14.8 | X | 13.48270 | 110.17867 | 177.61769 | 10.61893 | 0.0045473 | 0.22598116 | 2.6694465 | 21 | 7 28.3 | 18.5 |
| 35498 1998 $FC_{35}$ | 13.8 | X | 100.43452 | 263.60510 | 177.49279 | 8.49144 | 0.2638526 | 0.17354220 | 3.1832151 | 21 | 4 6.4 | 18.4 |
| 35499 1998 $FO_{35}$ | 13.9 | X | 344.54241 | 294.33535 | 174.90137 | 16.36137 | 0.0434400 | 0.24452333 | 2.5327317 | 21 | — | — |
| 35500 1998 $FP_{39}$ | 14.5 | X | 33.95602 | 128.22699 | 166.59901 | 14.87474 | 0.0268285 | 0.22919903 | 2.6444023 | 21 | 9 9.0 | 17.9 |
| 35501 1998 $FM_{41}$ | 15.3 | X | 313.16531 | 201.24101 | 253.96681 | 0.75848 | 0.1382519 | 0.24048188 | 2.5610289 | 21 | 12 18.0 | 17.8 |
| 35502 1998 $FP_{41}$ | 14.3 | X | 337.16085 | 65.28627 | 332.88754 | 1.55655 | 0.1158268 | 0.23561822 | 2.5961521 | 21 | 11 9.3 | 17.1 |
| 35503 1998 $FT_{42}$ | 13.7 | X | 246.63603 | 63.69403 | 349.78219 | 10.56851 | 0.1595417 | 0.18521875 | 3.0479844 | 21 | 7 9.3 | 18.5 |
| 35504 1998 $FF_{43}$ | 13.8 | X | 43.96186 | 188.23369 | 185.10187 | 13.15037 | 0.1793210 | 0.24000581 | 2.5644144 | 21 | — | — |
| 35505 1998 $FS_{43}$ | 15.3 | X | 274.85794 | 93.26360 | 0.40344 | 4.03403 | 0.1679543 | 0.23594195 | 2.5937768 | 21 | 10 4.4 | 18.3 |
| 35506 1998 $FU_{43}$ | 15.1 | X | 191.63288 | 77.40124 | 352.73589 | 2.29262 | 0.0361919 | 0.22173475 | 2.7034201 | 21 | 6 5.3 | 18.8 |
| 35507 1998 $FY_{43}$ | 15.3 | X | 304.68307 | 104.71113 | 0.02160 | 10.57775 | 0.1897020 | 0.24116196 | 2.5562119 | 21 | 12 10.5 | 17.9 |
| 35508 1998 $FC_{44}$ | 14.7 | X | 336.74856 | 267.14980 | 3.97431 | 7.26028 | 0.1596851 | 0.21748982 | 2.7384833 | 21 | 4 28.8 | 17.8 |
| 35509 1998 $FK_{44}$ | 14.4 | X | 178.24575 | 287.15493 | 5.94332 | 4.25822 | 0.2824881 | 0.19974529 | 2.8983557 | 21 | — | — |
| 35510 1998 $FF_{47}$ | 14.7 | X | 134.00385 | 220.06828 | 354.47348 | 12.81965 | 0.2190084 | 0.22988883 | 2.6391098 | 21 | 10 9.4 | 19.3 |
| 35511 1998 $FY_{48}$ | 14.6 | X | 218.96807 | 143.23692 | 238.00781 | 2.58364 | 0.1130387 | 0.21900121 | 2.7258694 | 21 | 5 1.5 | 18.8 |
| 35512 1998 $FH_{53}$ | 15.2 | X | 99.06029 | 318.68153 | 197.63259 | 4.53081 | 0.0994295 | 0.22076237 | 2.7113528 | 21 | 6 12.9 | 19.0 |
| 35513 1998 $FL_{53}$ | 14.6 | X | 111.62354 | 86.93505 | 255.79400 | 1.00150 | 0.0961235 | 0.20049169 | 2.8911578 | 21 | — | — |
| 35514 1998 $FZ_{56}$ | 14.5 | X | 237.13282 | 128.54909 | 8.78300 | 9.03795 | 0.0477849 | 0.19215611 | 2.9741754 | 21 | 10 22.2 | 18.8 |
| 35515 1998 $FK_{57}$ | 15.4 | X | 190.05105 | 190.21793 | 357.14702 | 3.63629 | 0.1541499 | 0.23436630 | 2.6053892 | 21 | 10 27.8 | 19.5 |
| 35516 1998 $FU_{57}$ | 14.6 | X | 334.70344 | 4.56897 | 199.90579 | 8.72293 | 0.0891031 | 0.21034665 | 2.8001351 | 21 | 2 5.4 | 18.3 |
| 35517 1998 $FV_{58}$ | 13.5 | X | 315.30966 | 182.63934 | 174.81625 | 9.78515 | 0.1064082 | 0.18381125 | 3.0635243 | 21 | 7 30.6 | 17.5 |
| 35518 1998 $FU_{59}$ | 14.5 | X | 78.67467 | 55.72025 | 21.56846 | 8.03733 | 0.1333207 | 0.25209269 | 2.4817758 | 21 | 1 29.9 | 17.3 |
| 35519 1998 $FJ_{60}$ | 14.3 | X | 208.62864 | 210.68584 | 174.80847 | 4.72350 | 0.1139075 | 0.21767315 | 2.7369455 | 21 | 4 27.9 | 18.5 |
| 35520 1998 $FX_{60}$ | 14.6 | X | 263.06938 | 277.58707 | 9.08538 | 3.70626 | 0.0683423 | 0.21086331 | 2.7955593 | 21 | 2 25.9 | 18.5 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 35521 1998 $FX_{61}$ | 15.3 | X | 122.32775 | 191.77801 | 317.71053 | 2.77332 | 0.1462205 | 0.22257458 | 2.6966154 | 21 | 7 7.5 | 19.2 |
| 35522 1998 $FY_{62}$ | 13.7 | X | 352.86944 | 249.43707 | 187.52297 | 13.87666 | 0.0568698 | 0.24075044 | 2.5591240 | 21 | — | — |
| 35523 1998 $FQ_{63}$ | 14.0 | X | 193.36608 | 278.13316 | 44.63394 | 5.21161 | 0.2078280 | 0.20519704 | 2.8467892 | 21 | 1 31.9 | 18.9 |
| 35524 1998 $FK_{64}$ | 14.5 | X | 197.33389 | 227.63140 | 174.77152 | 9.30578 | 0.1881460 | 0.21906558 | 2.7253353 | 21 | 5 8.0 | 19.1 |
| 35525 1998 $FV_{64}$ | 14.7 | X | 258.72673 | 341.25053 | 203.52021 | 1.28814 | 0.0178466 | 0.19923967 | 2.9032571 | 21 | — | — |
| 35526 1998 $FX_{67}$ | 14.5 | X | 131.51012 | 162.25992 | 81.39796 | 1.82155 | 0.1666988 | 0.19010231 | 2.9955584 | 21 | 11 8.7 | 19.4 |
| 35527 1998 $FG_{68}$ | 13.8 | X | 296.05325 | 284.47423 | 10.87990 | 10.57214 | 0.2350560 | 0.17185327 | 3.2040369 | 21 | 3 28.7 | 18.3 |
| 35528 1998 $FC_{69}$ | 14.9 | X | 251.36196 | 97.24315 | 356.81370 | 3.17059 | 0.1364200 | 0.23092399 | 2.6312171 | 21 | 9 8.2 | 18.5 |
| 35529 1998 $FU_{69}$ | 14.6 | X | 330.58098 | 214.94639 | 25.82300 | 8.14676 | 0.1653397 | 0.21239768 | 2.7820795 | 21 | 3 13.0 | 18.0 |
| 35530 1998 $FE_{70}$ | 14.7 | X | 214.20597 | 78.90597 | 26.60115 | 14.96492 | 0.0459583 | 0.22698762 | 2.6615498 | 21 | 8 27.5 | 18.7 |
| 35531 1998 $FQ_{70}$ | 14.2 | X | 163.98846 | 30.15433 | 32.72630 | 5.95240 | 0.0909978 | 0.21657688 | 2.7461736 | 21 | 4 26.9 | 18.1 |
| 35532 1998 $FV_{71}$ | 14.7 | X | 359.75578 | 303.84721 | 340.29058 | 3.81530 | 0.0822624 | 0.22242454 | 2.6978279 | 21 | 7 6.9 | 17.8 |
| 35533 1998 $FO_{72}$ | 14.5 | X | 225.58097 | 213.49610 | 13.06078 | 5.71813 | 0.0698231 | 0.19954128 | 2.9003309 | 21 | — | — |
| 35534 1998 $FW_{73}$ | 13.0 | X | 27.11330 | 271.89988 | 303.46077 | 24.35837 | 0.2003341 | 0.17678328 | 3.1441886 | 21 | 5 24.9 | 17.0 |
| 35535 1998 $FS_{77}$ | 14.2 | X | 184.83230 | 104.47822 | 163.90496 | 8.04101 | 0.1472038 | 0.24038728 | 2.5617008 | 21 | — | — |
| 35536 1998 $FG_{78}$ | 14.9 | X | 258.95184 | 10.68559 | 100.06723 | 4.82124 | 0.2370211 | 0.23532713 | 2.5982925 | 21 | 9 27.8 | 18.4 |
| 35537 1998 $FC_{79}$ | 14.5 | X | 126.02091 | 285.23917 | 128.10468 | 6.39591 | 0.0403755 | 0.20978178 | 2.8051594 | 21 | 2 26.8 | 18.3 |
| 35538 1998 $FH_{80}$ | 14.8 | X | 106.37839 | 67.22678 | 26.01096 | 11.30769 | 0.1357200 | 0.21565856 | 2.7539640 | 21 | 4 6.7 | 18.4 |
| 35539 1998 $FJ_{91}$ | 13.0 | X | 15.81297 | 193.07461 | 133.92792 | 13.72136 | 0.2193265 | 0.22999620 | 2.6382885 | 21 | 10 27.9 | 16.0 |
| 35540 1998 $FE_{94}$ | 13.5 | X | 26.30832 | 148.06602 | 42.06854 | 9.78709 | 0.1123136 | 0.17338091 | 3.1851890 | 21 | 4 17.4 | 17.3 |
| 35541 1998 $FS_{95}$ | 15.0 | X | 192.92201 | 297.54252 | 282.18990 | 7.21326 | 0.1375935 | 0.23820252 | 2.5773406 | 21 | 12 11.8 | 19.0 |
| 35542 1998 $FS_{99}$ | 13.8 | X | 260.28628 | 138.79074 | 344.50538 | 13.84498 | 0.0993274 | 0.23671288 | 2.5881421 | 21 | 10 28.3 | 17.4 |
| 35543 1998 $FU_{99}$ | 14.5 | X | 329.35323 | 168.06815 | 297.38776 | 5.37112 | 0.1687664 | 0.24383707 | 2.5374816 | 21 | — | — |
| 35544 1998 $FT_{102}$ | 14.3 | X | 151.54740 | 7.78664 | 210.65624 | 14.73299 | 0.0743199 | 0.23297754 | 2.6157326 | 21 | 10 31.6 | 18.2 |
| 35545 1998 $FQ_{103}$ | 14.8 | X | 159.46944 | 330.85548 | 283.65517 | 3.95227 | 0.1207967 | 0.23720569 | 2.5845562 | 21 | 12 22.2 | 18.6 |
| 35546 1998 $FA_{105}$ | 14.8 | X | 22.72211 | 305.11171 | 316.56497 | 8.63869 | 0.0681702 | 0.22207591 | 2.7006507 | 21 | 7 12.9 | 18.1 |
| 35547 1998 $FV_{106}$ | 14.5 | X | 357.48960 | 324.39800 | 334.47962 | 8.69021 | 0.0699636 | 0.22328544 | 2.6908890 | 21 | 7 25.8 | 17.7 |
| 35548 1998 $FL_{107}$ | 13.8 | X | 208.60377 | 317.17731 | 339.28103 | 14.52486 | 0.1377617 | 0.20449428 | 2.8533077 | 21 | 1 14.6 | 18.6 |
| 35549 1998 $FT_{108}$ | 14.7 | X | 145.02401 | 9.95445 | 212.10435 | 12.55837 | 0.1302405 | 0.23188774 | 2.6239217 | 21 | 10 29.6 | 18.8 |
| 35550 1998 $FD_{109}$ | 14.1 | X | 7.58024 | 160.34125 | 217.54888 | 8.88856 | 0.0715086 | 0.19257911 | 2.9698187 | 21 | 11 19.9 | 18.0 |
| 35551 1998 $FA_{114}$ | 13.5 | X | 210.59556 | 320.42042 | 262.19747 | 5.50774 | 0.1325781 | 0.23919254 | 2.5702239 | 21 | — | — |
| 35552 1998 $FE_{115}$ | 13.3 | X | 109.99546 | 346.01578 | 224.66898 | 11.25363 | 0.1334635 | 0.22542535 | 2.6738326 | 21 | 9 5.4 | 17.5 |
| 35553 1998 $FK_{116}$ | 15.3 | X | 62.51226 | 342.55043 | 213.74766 | 7.74280 | 0.1182295 | 0.21966172 | 2.7204023 | 21 | 6 18.9 | 18.7 |
| 35554 1998 $FL_{118}$ | 14.4 | X | 351.73938 | 255.63919 | 347.75800 | 6.92226 | 0.1005454 | 0.21523105 | 2.7576095 | 21 | 4 22.0 | 17.7 |
| 35555 1998 $FC_{120}$ | 14.3 | X | 31.25052 | 355.11925 | 53.34171 | 3.07211 | 0.0419223 | 0.20102311 | 2.8860602 | 21 | — | — |
| 35556 1998 $FC_{122}$ | 14.4 | X | 273.13802 | 296.93247 | 137.32624 | 4.87108 | 0.2017405 | 0.23243968 | 2.6197662 | 21 | 8 31.7 | 17.8 |
| 35557 1998 $FO_{122}$ | 13.9 | X | 75.60018 | 129.64680 | 15.67502 | 5.51362 | 0.1116513 | 0.17374599 | 3.1807254 | 21 | 5 1.4 | 18.2 |
| 35558 1998 $FT_{122}$ | 13.3 | X | 11.31018 | 18.45984 | 26.39944 | 13.32494 | 0.1708445 | 0.23957635 | 2.5674781 | 21 | — | — |
| 35559 1998 $FO_{127}$ | 14.8 | X | 275.11851 | 259.53165 | 118.33715 | 4.52412 | 0.1180165 | 0.22629959 | 2.6669418 | 21 | 6 30.2 | 18.3 |
| 35560 1998 $FU_{130}$ | 15.4 | X | 113.88442 | 84.98020 | 172.79963 | 2.92030 | 0.0971148 | 0.23245634 | 2.6196410 | 21 | 11 10.7 | 19.3 |
| 35561 1998 $FZ_{132}$ | 14.5 | X | 220.80527 | 41.68790 | 165.33002 | 12.82417 | 0.1018899 | 0.24035205 | 2.5619511 | 21 | 12 30.9 | 18.3 |
| 35562 1998 $GL_{1}$ | 13.7 | X | 323.99103 | 101.27069 | 26.31262 | 16.00543 | 0.0570538 | 0.24122557 | 2.5557624 | 21 | — | — |
| 35563 1998 $GK_{3}$ | 14.3 | X | 203.64268 | 125.55516 | 114.01451 | 14.47981 | 0.1598947 | 0.24100343 | 2.5573327 | 21 | — | — |
| 35564 1998 $GY_{5}$ | 14.4 | X | 108.49405 | 28.64758 | 141.29629 | 13.33138 | 0.0928309 | 0.22266593 | 2.6958778 | 21 | 7 11.6 | 18.3 |
| 35565 1998 $GF_{6}$ | 14.5 | X | 125.12913 | 123.10108 | 121.21120 | 15.72658 | 0.1098597 | 0.23216598 | 2.6218248 | 21 | 11 11.6 | 18.8 |
| 35566 1998 $GE_{7}$ | 13.4 | X | 118.67464 | 179.18310 | 90.76410 | 14.91922 | 0.1432858 | 0.23348753 | 2.6119223 | 21 | 12 3.8 | 17.5 |
| 35567 1998 $GC_{9}$ | 14.8 | X | 310.86322 | 30.72183 | 86.20003 | 12.27552 | 0.0584520 | 0.23960974 | 2.5672396 | 21 | — | — |
| 35568 1998 $GD_{9}$ | 13.7 | X | 201.98145 | 152.33823 | 147.41902 | 14.24158 | 0.1810289 | 0.24479195 | 2.5308785 | 21 | 1 4.1 | 18.1 |
| 35569 1998 $GN_{9}$ | 14.0 | X | 73.96885 | 204.31371 | 95.33958 | 15.81736 | 0.1099860 | 0.23075006 | 2.6325391 | 21 | 11 23.3 | 17.9 |
| 35570 1998 $GF_{10}$ | 14.5 | X | 110.82331 | 182.10299 | 103.20974 | 13.98028 | 0.2305880 | 0.23205129 | 2.6226886 | 21 | 12 18.0 | 19.0 |
| 35571 1998 $HV_{6}$ | 14.6 | X | 247.80173 | 356.74193 | 221.82960 | 5.47513 | 0.1514968 | 0.24189802 | 2.5510238 | 21 | — | — |
| 35572 1998 $HW_{6}$ | 13.2 | X | 131.56053 | 337.87478 | 71.52276 | 14.24453 | 0.0236041 | 0.20843285 | 2.8172493 | 21 | 3 4.6 | 17.4 |
| 35573 1998 $HH_{9}$ | 13.9 | X | 156.13016 | 292.66842 | 127.65427 | 10.20575 | 0.1839897 | 0.21277520 | 2.7787878 | 21 | 4 26.6 | 18.6 |
| 35574 1998 $HE_{12}$ | 14.4 | X | 234.70636 | 160.58305 | 17.94310 | 8.92957 | 0.0616265 | 0.23681550 | 2.5873944 | 21 | 12 16.6 | 18.0 |
| 35575 1998 $HC_{18}$ | 14.3 | X | 289.50408 | 39.63770 | 264.87270 | 3.39878 | 0.1281024 | 0.21482706 | 2.7610656 | 21 | 4 9.6 | 18.1 |
| 35576 1998 $HB_{21}$ | 15.2 | X | 329.10908 | 169.45662 | 128.12239 | 3.27518 | 0.0334441 | 0.22049699 | 2.7135278 | 21 | 6 10.0 | 18.7 |
| 35577 1998 $HZ_{26}$ | 14.8 | X | 212.53115 | 271.74678 | 59.98471 | 5.47240 | 0.0852186 | 0.21011784 | 2.8021675 | 21 | 2 27.5 | 19.1 |
| 35578 1998 $HE_{34}$ | 14.6 | X | 161.96216 | 214.60902 | 35.63487 | 2.64573 | 0.0533671 | 0.19458406 | 2.9493832 | 21 | 12 14.4 | 18.9 |
| 35579 1998 $HA_{36}$ | 14.3 | X | 176.98386 | 12.73263 | 52.18391 | 4.94633 | 0.0884744 | 0.21822720 | 2.7323110 | 21 | 5 13.6 | 18.4 |
| 35580 1998 $HK_{39}$ | 13.9 | X | 350.02391 | 237.80515 | 30.39628 | 5.08119 | 0.0697029 | 0.21795098 | 2.7346190 | 21 | 5 27.9 | 17.1 |
| 35581 1998 $HD_{40}$ | 14.7 | X | 107.76835 | 168.88316 | 34.92911 | 8.96474 | 0.1551847 | 0.22472296 | 2.6794012 | 21 | 9 5.2 | 18.8 |
| 35582 1998 $HD_{45}$ | 14.2 | X | 264.81535 | 183.22209 | 243.17803 | 4.20138 | 0.1318239 | 0.22811382 | 2.6527826 | 21 | 8 17.6 | 17.8 |
| 35583 1998 $HX_{45}$ | 14.2 | X | 233.51232 | 328.46760 | 31.05238 | 2.58582 | 0.1074086 | 0.21502877 | 2.7593386 | 21 | 4 20.2 | 18.3 |
| 35584 1998 $HY_{46}$ | 14.0 | X | 181.30994 | 234.21995 | 192.56138 | 13.39450 | 0.1300402 | 0.21886968 | 2.7269613 | 21 | 5 22.9 | 18.5 |
| 35585 1998 $HZ_{51}$ | 14.4 | X | 35.71669 | 336.19541 | 187.06233 | 6.02167 | 0.0741263 | 0.21147417 | 2.7901732 | 21 | 3 18.4 | 17.6 |
| 35586 1998 $HG_{54}$ | 14.5 | X | 39.04974 | 304.72751 | 22.11147 | 11.98657 | 0.0482286 | 0.23078272 | 2.6322907 | 21 | 10 30.1 | 18.0 |
| 35587 1998 $HR_{63}$ | 14.3 | X | 246.78526 | 244.61397 | 87.25085 | 4.36422 | 0.0967799 | 0.21251014 | 2.7810979 | 21 | 4 3.1 | 18.5 |
| 35588 1998 $HU_{80}$ | 14.5 | X | 228.67937 | 91.83593 | 29.06167 | 6.25630 | 0.1353109 | 0.23018565 | 2.6368407 | 21 | 9 18.5 | 18.3 |
| 35589 1998 $HY_{80}$ | 14.1 | X | 297.01460 | 226.71681 | 46.76076 | 2.88018 | 0.1185060 | 0.16836865 | 3.2480938 | 21 | 3 20.6 | 18.6 |
| 35590 1998 $HQ_{86}$ | 14.5 | X | 130.49848 | 33.42171 | 293.97707 | 1.13340 | 0.0762507 | 0.19751750 | 2.9201085 | 21 | — | — |
| 35591 1998 $HB_{91}$ | 15.1 | X | 309.53029 | 101.67303 | 145.86233 | 4.77608 | 0.1075302 | 0.20956771 | 2.8070693 | 21 | 2 26.9 | 18.7 |
| 35592 1998 $HR_{94}$ | 13.3 | X | 58.66540 | 61.07716 | 216.42195 | 12.21865 | 0.1519282 | 0.22480191 | 2.6787738 | 21 | 10 6.5 | 16.9 |
| 35593 1998 $HP_{98}$ | 13.9 | X | 250.95243 | 47.69502 | 223.43874 | 5.31936 | 0.0152159 | 0.20539063 | 2.8450002 | 21 | 1 26.9 | 17.9 |
| 35594 1998 $HY_{114}$ | 13.7 | X | 104.32490 | 71.46498 | 145.64803 | 13.10466 | 0.2324543 | 0.18284126 | 3.0743495 | 21 | 9 21.1 | 18.7 |
| 35595 1998 $HO_{116}$ | 14.4 | X | 311.60784 | 304.66153 | 185.07117 | 13.43840 | 0.0832761 | 0.24039071 | 2.5616764 | 21 | — | — |
| 35596 1998 $HZ_{117}$ | 14.1 | X | 315.86800 | 350.43089 | 150.49750 | 8.09192 | 0.1735882 | 0.24321605 | 2.5417991 | 21 | — | — |
| 35597 1998 $HJ_{118}$ | 14.5 | X | 97.23636 | 53.17336 | 160.89338 | 14.25434 | 0.0913226 | 0.22361542 | 2.6882411 | 21 | 8 24.9 | 18.2 |
| 35598 1998 $HZ_{118}$ | 13.8 | X | 14.01356 | 232.30441 | 75.11698 | 15.71374 | 0.1276032 | 0.18125733 | 3.0922338 | 21 | 9 10.7 | 17.9 |
| 35599 1998 $HV_{120}$ | 14.2 | X | 134.86163 | 187.49794 | 91.90080 | 10.58021 | 0.0638921 | 0.19275998 | 2.9679606 | 21 | 12 20.3 | 18.7 |
| 35600 1998 $HY_{121}$ | 14.5 | X | 162.19727 | 133.85446 | 83.52257 | 13.81413 | 0.0687335 | 0.23181458 | 2.6244737 | 21 | 11 13.9 | 18.4 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 35601 1998 $HJ_{122}$ | 14.8 | X | 26.13359 | 118.30095 | 127.55814 | 13.82580 | 0.1605382 | 0.21801326 | 2.7340982 | 21 | 7 3.5 | 17.8 |
| 35602 1998 $HC_{124}$ | 14.8 | X | 69.01855 | 54.68655 | 147.22564 | 9.44428 | 0.1536191 | 0.21892333 | 2.7265158 | 21 | 7 11.8 | 18.4 |
| 35603 1998 $HP_{124}$ | 14.7 | X | 105.80548 | 39.62327 | 115.59337 | 6.35665 | 0.0046536 | 0.21695073 | 2.7430178 | 21 | 6 6.8 | 18.4 |
| 35604 1998 $HZ_{124}$ | 14.7 | X | 339.76558 | 136.34334 | 126.26347 | 12.85761 | 0.1595576 | 0.21371045 | 2.7706747 | 21 | 5 1.1 | 18.1 |
| 35605 1998 $HU_{125}$ | 13.0 | X | 66.82526 | 271.48411 | 86.76311 | 11.38613 | 0.1194840 | 0.19194135 | 2.9763935 | 21 | — | — |
| 35606 1998 $HG_{126}$ | 14.8 | X | 186.51183 | 67.82334 | 115.71409 | 15.24685 | 0.1157859 | 0.23092017 | 2.6312461 | 21 | 10 29.6 | 19.1 |
| 35607 1998 $HJ_{127}$ | 14.8 | X | 130.28904 | 7.35048 | 191.77728 | 14.99500 | 0.0727233 | 0.22891833 | 2.6465636 | 21 | 9 10.2 | 18.8 |
| 35608 1998 $HX_{127}$ | 15.0 | X | 330.05664 | 282.10830 | 359.97821 | 4.70805 | 0.1362135 | 0.21656721 | 2.7462554 | 21 | 5 6.8 | 18.1 |
| 35609 1998 $HC_{132}$ | 14.1 | X | 73.86477 | 136.63713 | 102.34519 | 5.51593 | 0.0739472 | 0.18301298 | 3.0724262 | 21 | 8 25.5 | 18.3 |
| 35610 1998 $HW_{133}$ | 14.9 | X | 215.19093 | 32.41451 | 95.16665 | 5.31132 | 0.2095789 | 0.23185442 | 2.6241730 | 21 | 9 6.6 | 19.1 |
| 35611 1998 $HU_{136}$ | 14.1 | X | 235.44679 | 156.66587 | 76.44784 | 5.83715 | 0.2909073 | 0.19998592 | 2.8960303 | 21 | — | — |
| 35612 1998 $HR_{137}$ | 14.4 | X | 222.13340 | 66.06920 | 116.00518 | 3.10750 | 0.0213004 | 0.19433921 | 2.9518601 | 21 | 12 4.1 | 18.4 |
| 35613 1998 $HS_{147}$ | 13.9 | X | 91.86668 | 235.55889 | 90.15018 | 10.67294 | 0.0601063 | 0.19242009 | 2.9714547 | 21 | 12 28.7 | 18.2 |
| 35614 1998 $HB_{148}$ | 14.2 | X | 324.11816 | 144.82097 | 147.79445 | 1.39244 | 0.1818945 | 0.17249716 | 3.1960587 | 21 | 5 11.0 | 18.1 |
| 35615 1998 $HE_{148}$ | 14.5 | X | 156.64730 | 56.59804 | 210.19026 | 2.71506 | 0.2091757 | 0.23410922 | 2.6072962 | 21 | 12 30.8 | 19.0 |
| 35616 1998 $HN_{148}$ | 14.3 | X | 167.49002 | 124.65262 | 169.06321 | 2.02160 | 0.0925090 | 0.19591257 | 2.9360347 | 21 | — | — |
| 35617 1998 $HY_{148}$ | 13.6 | X | 175.69955 | 196.18378 | 56.74248 | 15.00033 | 0.0766480 | 0.23547367 | 2.5972145 | 21 | — | — |
| 35618 Tartu | 12.8 | X | 1.97290 | 352.18380 | 56.17218 | 14.80811 | 0.2316233 | 0.18933740 | 3.0036209 | 21 | — | — |
| 35619 1998 $HT_{149}$ | 13.4 | X | 307.50580 | 265.28593 | 43.33576 | 9.43097 | 0.1505917 | 0.21333131 | 2.7739565 | 21 | 5 7.3 | 16.7 |
| 35620 1998 $JZ$ | 14.4 | X | 69.11532 | 216.89748 | 47.24889 | 12.42667 | 0.1558511 | 0.22492629 | 2.6777863 | 21 | 10 9.5 | 18.2 |
| 35621 1998 $JD_{4}$ | 14.2 | X | 321.03809 | 349.22956 | 81.70636 | 13.39518 | 0.0780555 | 0.19053269 | 2.9910457 | 21 | 11 20.6 | 18.1 |
| 35622 1998 $JF_{4}$ | 14.5 | X | 243.71568 | 24.87908 | 110.91261 | 4.34541 | 0.1556679 | 0.23273704 | 2.6175343 | 21 | 10 22.7 | 18.2 |
| 35623 1998 $KF_{7}$ | 13.5 | X | 168.36513 | 154.96552 | 58.75665 | 11.53474 | 0.0727320 | 0.23381811 | 2.6094598 | 21 | 11 13.4 | 17.2 |
| 35624 1998 $KR_{7}$ | 13.9 | X | 41.30023 | 82.60426 | 79.21291 | 15.38288 | 0.1317827 | 0.21076576 | 2.7964218 | 21 | 4 8.1 | 17.4 |
| 35625 1998 $KK_{8}$ | 13.5 | X | 115.82720 | 89.42115 | 201.48097 | 10.30483 | 0.0820569 | 0.18997288 | 2.9969188 | 21 | 12 14.6 | 18.1 |
| 35626 1998 $KD_{9}$ | 14.4 | X | 179.32377 | 19.83598 | 157.63965 | 12.27005 | 0.1518055 | 0.22947030 | 2.6423179 | 21 | 10 9.3 | 18.7 |
| 35627 1998 $KW_{9}$ | 12.9 | X | 347.58323 | 35.22417 | 285.89120 | 9.24242 | 0.2231683 | 0.17679608 | 3.1440369 | 21 | 7 30.4 | 16.0 |
| 35628 1998 $KQ_{13}$ | 14.8 | X | 284.70692 | 70.33636 | 92.52847 | 2.73285 | 0.1157224 | 0.19856124 | 2.9098665 | 21 | — | — |
| 35629 1998 $KK_{21}$ | 13.4 | X | 171.92362 | 276.08822 | 245.65707 | 12.01952 | 0.1514708 | 0.22675206 | 2.6633928 | 21 | 9 3.9 | 17.9 |
| 35630 1998 $KQ_{23}$ | 12.9 | X | 351.67013 | 116.90801 | 93.15021 | 9.96419 | 0.1270154 | 0.12514889 | 3.9583852 | 21 | 3 28.5 | 18.0 |
| 35631 1998 $KL_{24}$ | 14.3 | X | 136.78282 | 224.18167 | 44.88766 | 10.96502 | 0.0960507 | 0.19057580 | 2.9905946 | 21 | 12 9.2 | 19.0 |
| 35632 1998 $KA_{26}$ | 15.2 | X | 228.88900 | 159.14989 | 115.49459 | 4.46917 | 0.1293791 | 0.20153468 | 2.8811742 | 21 | 1 4.6 | 19.9 |
| 35633 1998 $KM_{28}$ | 14.1 | X | 232.90576 | 69.80072 | 67.92864 | 8.38401 | 0.0519181 | 0.22987657 | 2.6392037 | 21 | 10 26.6 | 17.7 |
| 35634 1998 $KS_{32}$ | 13.7 | X | 61.63760 | 109.50786 | 246.31344 | 8.90901 | 0.1134019 | 0.19005659 | 2.9960387 | 21 | — | — |
| 35635 1998 $KV_{33}$ | 14.7 | X | 68.53341 | 162.59150 | 100.65802 | 0.81968 | 0.1948996 | 0.18151370 | 3.0893215 | 21 | 10 4.1 | 19.0 |
| 35636 1998 $KO_{34}$ | 14.6 | X | 179.05599 | 78.89611 | 88.59196 | 11.99449 | 0.1750940 | 0.22799237 | 2.6537246 | 21 | 9 29.5 | 19.2 |
| 35637 1998 $KV_{34}$ | 14.4 | X | 68.72962 | 107.93725 | 91.03785 | 11.61107 | 0.0855000 | 0.21708726 | 2.7418677 | 21 | 6 26.9 | 17.8 |
| 35638 1998 $KU_{37}$ | 14.3 | X | 82.07398 | 201.29579 | 92.80024 | 9.95209 | 0.0690825 | 0.22841849 | 2.6504231 | 21 | 11 18.8 | 18.1 |
| 35639 1998 $KY_{49}$ | 14.0 | X | 79.36093 | 202.37460 | 129.77055 | 10.67967 | 0.0876088 | 0.18987010 | 2.9980002 | 21 | 12 25.5 | 18.4 |
| 35640 1998 $KN_{51}$ | 13.9 | X | 91.15468 | 222.28247 | 122.89542 | 11.56163 | 0.1205306 | 0.19168679 | 2.9790281 | 21 | — | — |
| 35641 1998 $KT_{51}$ | 14.3 | X | 98.47771 | 43.28461 | 170.02599 | 11.16841 | 0.0873111 | 0.22175137 | 2.7032850 | 21 | 8 24.2 | 18.0 |
| 35642 1998 $KF_{53}$ | 13.7 | X | 130.37065 | 84.70589 | 139.89637 | 11.19151 | 0.1417931 | 0.22708270 | 2.6608068 | 21 | 10 22.7 | 18.1 |
| 35643 1998 $KN_{55}$ | 13.6 | X | 131.88602 | 280.07657 | 176.84202 | 9.05818 | 0.1367446 | 0.21126879 | 2.7919812 | 21 | 5 12.2 | 17.9 |
| 35644 1998 $KW_{59}$ | 14.8 | X | 71.99082 | 18.58065 | 177.88403 | 8.44324 | 0.1743021 | 0.21807387 | 2.7335916 | 21 | 7 11.3 | 18.5 |
| 35645 1998 $KU_{60}$ | 13.7 | X | 134.70916 | 97.57190 | 164.02967 | 12.01908 | 0.1460837 | 0.23110271 | 2.6298604 | 21 | 12 8.2 | 18.1 |
| 35646 1998 $KO_{66}$ | 14.3 | X | 143.13120 | 287.88519 | 244.30025 | 4.57609 | 0.1028978 | 0.18090558 | 3.0962409 | 21 | 8 20.1 | 19.2 |
| 35647 1998 $KA_{67}$ | 14.2 | X | 130.11925 | 141.18336 | 88.04597 | 16.00202 | 0.0800635 | 0.22879665 | 2.6475019 | 21 | 10 28.6 | 18.4 |
| 35648 1998 $KR_{68}$ | 14.2 | X | 346.50120 | 183.08400 | 126.07114 | 10.26487 | 0.2701037 | 0.21700150 | 2.7425901 | 21 | 7 8.5 | 16.2 |
| 35649 1998 $ML_{4}$ | 13.1 | X | 277.06007 | 179.47924 | 142.70861 | 24.64525 | 0.1081236 | 0.16993928 | 3.2280496 | 21 | 5 3.4 | 18.2 |
| 35650 1998 $MD_{11}$ | 13.8 | X | 85.77314 | 163.95033 | 150.63600 | 10.88712 | 0.1035169 | 0.18582452 | 3.0413568 | 21 | 12 13.5 | 18.5 |
| 35651 1998 $MS_{29}$ | 13.5 | X | 59.78131 | 139.92638 | 117.88893 | 6.45814 | 0.1376415 | 0.17613692 | 3.1518760 | 21 | 9 9.5 | 17.8 |
| 35652 1998 $MT_{29}$ | 13.6 | X | 61.50964 | 94.32518 | 113.79792 | 10.00466 | 0.0945347 | 0.21320024 | 2.7750933 | 21 | 6 30.6 | 17.1 |
| 35653 1998 $MF_{30}$ | 13.2 | X | 92.89614 | 203.05171 | 94.80037 | 10.90623 | 0.0706053 | 0.18380809 | 3.0635594 | 21 | 11 28.1 | 17.7 |
| 35654 1998 $MR_{33}$ | 13.2 | X | 74.32662 | 183.29203 | 96.09539 | 5.89988 | 0.2071525 | 0.17988502 | 3.1079407 | 21 | 11 2.1 | 17.9 |
| 35655 1998 $OJ_{6}$ | 14.0 | X | 359.40571 | 124.36117 | 157.05609 | 5.34969 | 0.1151833 | 0.16916805 | 3.2378532 | 21 | 7 1.7 | 18.0 |
| 35656 1998 $OZ_{12}$ | 12.8 | X | 54.80718 | 0.10233 | 329.57993 | 14.00101 | 0.0952441 | 0.17901336 | 3.1180214 | 21 | 11 18.9 | 17.5 |
| 35657 1998 $QE_{5}$ | 13.0 | X | 187.04646 | 250.11065 | 291.63768 | 10.52862 | 0.2361043 | 0.17934020 | 3.1142319 | 21 | 10 5.7 | 18.6 |
| 35658 1998 $QV_{9}$ | 14.9 | X | 197.49856 | 323.15068 | 332.12734 | 9.14283 | 0.1957758 | 0.23728266 | 2.5839973 | 21 | — | — |
| 35659 1998 $QU_{10}$ | 13.4 | X | 1.54986 | 323.48337 | 320.87233 | 5.53724 | 0.0675798 | 0.16912055 | 3.2384594 | 21 | 7 9.9 | 17.6 |
| 35660 1998 $QS_{38}$ | 13.8 | X | 81.08647 | 289.57745 | 321.36050 | 13.44585 | 0.2169038 | 0.17482336 | 3.1676443 | 21 | 9 28.3 | 18.8 |
| 35661 1998 $QV_{39}$ | 14.9 | X | 102.46285 | 259.56110 | 11.18758 | 2.35871 | 0.1725879 | 0.26511184 | 2.3998456 | 21 | 11 23.6 | 18.5 |
| 35662 1998 $QW_{40}$ | 16.0 | X | 114.45440 | 38.23040 | 235.80814 | 2.71991 | 0.1828799 | 0.30996079 | 2.1623777 | 21 | 12 15.7 | 19.2 |
| 35663 1998 $QT_{50}$ | 13.4 | X | 105.78334 | 138.08845 | 146.31509 | 10.25968 | 0.3163034 | 0.18150587 | 3.0894104 | 21 | 12 12.1 | 19.0 |
| 35664 1998 $QC_{64}$ | 13.4 | X | 124.05962 | 70.40240 | 176.68267 | 21.94057 | 0.0447086 | 0.17986017 | 3.1082269 | 21 | 10 31.4 | 18.2 |
| 35665 1998 $RF_{18}$ | 15.4 | X | 256.76817 | 317.52360 | 301.81236 | 2.49552 | 0.1315860 | 0.28187930 | 2.3037071 | 21 | — | — |
| 35666 1998 $RZ_{47}$ | 14.2 | X | 15.42130 | 322.32684 | 333.03607 | 7.35211 | 0.2040212 | 0.21272026 | 2.7792662 | 21 | 8 29.5 | 16.9 |
| 35667 1998 $RN_{72}$ | 14.8 | X | 229.00127 | 295.90343 | 15.36661 | 5.35171 | 0.1828986 | 0.23915073 | 2.5705234 | 21 | 2 12.1 | 19.1 |
| 35668 1998 $RB_{76}$ | 14.6 | X | 8.15558 | 184.50781 | 27.39982 | 5.92829 | 0.0965199 | 0.28629785 | 2.2799430 | 21 | 3 29.7 | 16.6 |
| 35669 1998 $SO_{12}$ | 16.6 | X | 95.82800 | 63.74368 | 4.88598 | 19.76735 | 0.0969844 | 0.36355961 | 1.9442508 | 21 | 1 12.3 | 18.7 |
| 35670 1998 $SU_{27}$ | 19.3 | X | 107.72494 | 169.85321 | 271.34787 | 7.13992 | 0.5961603 | 0.31891087 | 2.1217286 | 21 | 5 7.6 | 23.0 |
| 35671 1998 $SN_{165}$ | 5.5 | X | 301.69811 | 257.84828 | 192.06839 | 4.59851 | 0.0421690 | 0.00419818 | 38.0564984 | 21 | 10 21.8 | 21.2 |
| 35672 1998 $UZ_{14}$ | 12.3 | X | 293.80755 | 5.77829 | 75.80336 | 4.02350 | 0.0371427 | 0.08433968 | 5.1496939 | 21 | 10 15.2 | 19.0 |
| 35673 1998 $VQ_{15}$ | 11.6 | X | 343.52590 | 358.77821 | 43.21493 | 9.91037 | 0.0437974 | 0.08582658 | 5.0900436 | 21 | 10 29.0 | 18.2 |
| 35674 1998 $VC_{32}$ | 15.8 | X | 153.08236 | 190.00453 | 265.54614 | 20.12273 | 0.1035719 | 0.37040753 | 1.9202135 | 21 | 5 19.3 | 18.2 |
| 35675 1998 $XK_{17}$ | 15.0 | X | 40.24857 | 254.76713 | 311.64840 | 6.44963 | 0.0583058 | 0.27903748 | 2.3193219 | 21 | 5 14.9 | 17.7 |
| 35676 1998 $XA_{30}$ | 13.4 | X | 190.08642 | 300.50069 | 36.66122 | 14.01615 | 0.1900724 | 0.23248337 | 2.6194379 | 21 | 2 15.9 | 18.0 |
| 35677 1998 $XE_{95}$ | 15.1 | X | 65.40967 | 297.45473 | 240.64527 | 6.51861 | 0.1442993 | 0.27784255 | 2.3259670 | 21 | 5 30.1 | 17.3 |
| 35678 1998 $XW_{96}$ | 14.8 | X | 55.88988 | 331.70353 | 301.40849 | 2.88543 | 0.2199850 | 0.28700815 | 2.2761798 | 21 | 10 15.6 | 17.6 |
| 35679 1998 $YK_{3}$ | 14.9 | X | 52.74786 | 334.23046 | 296.65474 | 4.00418 | 0.1393663 | 0.28850309 | 2.2683100 | 21 | 9 24.7 | 17.5 |
| 35680 1999 $AS_{21}$ | 15.3 | X | 16.82422 | 297.21215 | 135.24466 | 6.58681 | 0.0545416 | 0.30249225 | 2.1978255 | 21 | — | — |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 35681 1999 $BC_2$ | 14.8 | X | 257.70185 | 325.78675 | 336.72643 | 17.49691 | 0.0597155 | 0.35981569 | 1.9577143 | 21 | 2 17.9 | 16.8 |
| 35682 1999 $BP_2$ | 14.6 | X | 84.50084 | 357.86419 | 43.64419 | 6.33856 | 0.1314500 | 0.26365991 | 2.4086479 | 21 | — | — |
| 35683 1999 $BK_5$ | 16.0 | X | 25.12786 | 241.05485 | 232.21298 | 1.54263 | 0.0466838 | 0.30843994 | 2.1694799 | 21 | — | — |
| 35684 1999 $BO_5$ | 13.2 | X | 320.36107 | 192.99382 | 327.38097 | 7.73330 | 0.0106592 | 0.26295911 | 2.4129255 | 21 | — | — |
| 35685 1999 $BT_{11}$ | 16.2 | X | 68.68526 | 164.11957 | 149.53474 | 1.20439 | 0.0618930 | 0.29246562 | 2.2477750 | 21 | 12 6.0 | 18.9 |
| 35686 1999 $BW_{18}$ | 15.5 | X | 87.84353 | 1.12988 | 352.48418 | 6.78786 | 0.1499802 | 0.30577651 | 2.1820597 | 21 | — | — |
| 35687 1999 $CP_8$ | 16.1 | X | 214.52349 | 319.41390 | 266.55541 | 2.05240 | 0.0529475 | 0.30015755 | 2.2092076 | 21 | — | — |
| 35688 1999 $CD_{10}$ | 13.3 | X | 332.89657 | 52.49443 | 112.96852 | 10.70054 | 0.0642904 | 0.21463263 | 2.7627328 | 21 | — | — |
| 35689 1999 $CD_{12}$ | 14.4 | X | 84.63961 | 330.95151 | 156.30724 | 13.52917 | 0.1219908 | 0.27233899 | 2.3571986 | 21 | 4 16.7 | 17.3 |
| 35690 1999 $CT_{21}$ | 14.3 | X | 94.90819 | 130.82496 | 107.03314 | 7.70899 | 0.1310423 | 0.24238476 | 2.5476074 | 21 | 10 3.6 | 18.1 |
| 35691 1999 $CE_{26}$ | 14.9 | X | 256.10059 | 308.21633 | 141.08207 | 2.51544 | 0.0061483 | 0.20120924 | 2.8842801 | 21 | 9 25.0 | 18.7 |
| 35692 1999 $CV_{32}$ | 15.3 | X | 79.09011 | 347.91188 | 73.35960 | 3.18827 | 0.1689963 | 0.26618077 | 2.3934164 | 21 | 1 4.7 | 17.5 |
| 35693 1999 $CQ_{48}$ | 16.0 | X | 318.18283 | 232.16480 | 4.73375 | 4.63188 | 0.1062074 | 0.31199738 | 2.1529573 | 21 | 2 6.8 | 18.4 |
| 35694 1999 $CP_{54}$ | 15.1 | X | 117.87309 | 316.95540 | 64.62072 | 1.19825 | 0.1559730 | 0.30785555 | 2.1722246 | 21 | — | — |
| 35695 1999 $CE_{57}$ | 14.9 | X | 89.96897 | 289.24748 | 342.64982 | 5.32040 | 0.1542465 | 0.28727913 | 2.2747482 | 21 | 11 12.9 | 18.2 |
| 35696 1999 $CE_{97}$ | 15.3 | X | 232.70823 | 153.30331 | 126.04350 | 2.17047 | 0.1698835 | 0.26246662 | 2.4159429 | 21 | 1 3.1 | 19.2 |
| 35697 1999 $CG_{104}$ | 14.5 | X | 164.99218 | 340.27570 | 315.39309 | 5.82885 | 0.1829357 | 0.30085990 | 2.2057681 | 21 | — | — |
| 35698 1999 $CJ_{118}$ | 15.5 | X | 321.04886 | 307.81986 | 287.00854 | 2.99777 | 0.1515171 | 0.31065637 | 2.1591486 | 21 | 1 29.7 | 17.9 |
| 35699 1999 $CO_{118}$ | 15.4 | X | 91.45968 | 106.07331 | 161.50063 | 3.51706 | 0.1005221 | 0.28715915 | 2.2753818 | 21 | 11 6.8 | 18.4 |
| 35700 1999 $DL_2$ | 14.8 | X | 295.81937 | 172.83109 | 115.28812 | 8.77799 | 0.1009331 | 0.27043254 | 2.3682638 | 21 | 3 30.5 | 17.9 |
| 35701 1999 $FF_7$ | 16.0 | X | 8.24389 | 238.56559 | 354.27353 | 3.79226 | 0.0901187 | 0.31557261 | 2.1366654 | 21 | 4 25.3 | 17.9 |
| 35702 1999 $FN_9$ | 15.3 | X | 147.74630 | 169.26889 | 77.83646 | 3.96718 | 0.1189232 | 0.29007218 | 2.2601226 | 21 | 12 10.1 | 18.6 |
| 35703 Lafiascaia | 14.8 | X | 149.29483 | 343.89547 | 145.33045 | 4.39609 | 0.0898103 | 0.27677659 | 2.3319352 | 21 | 7 5.3 | 17.9 |
| 35704 1999 $FB_{13}$ | 15.3 | X | 357.06794 | 191.89753 | 173.91934 | 3.69300 | 0.2402630 | 0.24533219 | 2.5271617 | 21 | 11 17.7 | 17.3 |
| 35705 1999 $FK_{17}$ | 15.4 | X | 265.35126 | 233.57169 | 184.55638 | 5.66516 | 0.1031621 | 0.28155102 | 2.3054975 | 21 | 8 14.9 | 18.1 |
| 35706 1999 $FG_{25}$ | 15.0 | X | 84.03537 | 177.28714 | 105.40937 | 5.48703 | 0.1266374 | 0.28577754 | 2.2827096 | 21 | 11 20.9 | 18.2 |
| 35707 1999 $FZ_{25}$ | 15.1 | X | 184.05456 | 301.92417 | 347.88298 | 6.28087 | 0.1311966 | 0.25394594 | 2.4696867 | 21 | — | — |
| 35708 1999 $FX_{27}$ | 15.5 | X | 281.35565 | 197.68072 | 16.06185 | 2.79436 | 0.0623399 | 0.25799809 | 2.4437591 | 21 | — | — |
| 35709 1999 $FR_{28}$ | 13.8 | X | 317.23796 | 300.69973 | 16.32715 | 13.62657 | 0.3024645 | 0.27145163 | 2.3623328 | 21 | 4 29.2 | 16.4 |
| 35710 1999 $FT_{29}$ | 15.6 | X | 350.61864 | 119.86428 | 133.71223 | 5.69169 | 0.2027907 | 0.26972494 | 2.3724040 | 21 | 4 21.9 | 17.6 |
| 35711 1999 $FZ_{29}$ | 15.6 | X | 147.96515 | 189.79963 | 57.01757 | 3.90827 | 0.1332481 | 0.28906595 | 2.2653645 | 21 | 12 9.2 | 19.0 |
| 35712 1999 $FF_{30}$ | 15.3 | X | 0.65304 | 60.50023 | 35.27627 | 7.51724 | 0.1111654 | 0.29934620 | 2.2131978 | 21 | — | — |
| 35713 1999 $FS_{30}$ | 15.5 | X | 297.44096 | 226.66009 | 265.70705 | 4.12231 | 0.0494976 | 0.29499205 | 2.2349227 | 21 | — | — |
| 35714 1999 $FB_{31}$ | 15.4 | X | 210.83694 | 107.21722 | 162.39031 | 4.64531 | 0.1138588 | 0.29910489 | 2.2143879 | 21 | — | — |
| 35715 1999 $FD_{32}$ | 15.2 | X | 243.49146 | 103.46288 | 125.77792 | 3.02603 | 0.1574650 | 0.25448585 | 2.4661924 | 21 | — | — |
| 35716 1999 $FY_{32}$ | 14.6 | X | 195.37462 | 135.54500 | 335.79636 | 7.48240 | 0.0466180 | 0.28338206 | 2.2955556 | 21 | 8 7.8 | 17.5 |
| 35717 1999 $FK_{33}$ | 15.1 | X | 354.97519 | 259.30395 | 107.60502 | 6.02436 | 0.1292061 | 0.28661030 | 2.2782857 | 21 | 11 12.5 | 17.2 |
| 35718 1999 $FE_{34}$ | 15.6 | X | 76.79596 | 68.52767 | 185.88574 | 6.30617 | 0.0706654 | 0.28154255 | 2.3055437 | 21 | 9 25.2 | 18.3 |
| 35719 1999 $FY_{34}$ | 15.0 | X | 51.37878 | 45.76214 | 153.57449 | 7.22894 | 0.0550150 | 0.27233816 | 2.3572034 | 21 | 5 27.1 | 17.7 |
| 35720 1999 $FP_{36}$ | 14.6 | X | 258.83616 | 199.12679 | 246.73278 | 5.53419 | 0.1199213 | 0.28695756 | 2.2764473 | 21 | 9 11.0 | 17.5 |
| 35721 1999 $FW_{39}$ | 15.0 | X | 352.83890 | 21.09787 | 342.70228 | 6.21097 | 0.1366870 | 0.28893316 | 2.2660586 | 21 | 10 30.4 | 17.1 |
| 35722 1999 $FM_{41}$ | 15.4 | X | 183.42495 | 312.51488 | 296.41209 | 6.48320 | 0.0857717 | 0.29637303 | 2.2279747 | 21 | — | — |
| 35723 1999 $FT_{42}$ | 14.3 | X | 60.48599 | 21.37047 | 356.94845 | 4.71261 | 0.1655312 | 0.29968450 | 2.2115318 | 21 | — | — |
| 35724 1999 $FW_{53}$ | 15.9 | X | 295.97611 | 324.13411 | 125.76578 | 2.43524 | 0.1581071 | 0.29357615 | 2.2421029 | 21 | 11 20.9 | 17.7 |
| 35725 Tramuntana | 15.1 | X | 82.34607 | 141.29441 | 121.70322 | 5.79197 | 0.1622374 | 0.23789258 | 2.5795788 | 21 | 10 23.6 | 18.9 |
| 35726 1999 $GW$ | 15.3 | X | 288.97402 | 70.92216 | 136.01623 | 3.58118 | 0.0956739 | 0.30087476 | 2.2056954 | 21 | — | — |
| 35727 1999 $GM_1$ | 15.0 | X | 320.41993 | 93.70593 | 85.08939 | 5.76700 | 0.0569157 | 0.30193861 | 2.2005114 | 21 | — | — |
| 35728 1999 $GA_2$ | 15.1 | X | 129.44282 | 195.87885 | 106.24915 | 6.59659 | 0.2082766 | 0.29336931 | 2.2431566 | 21 | — | — |
| 35729 1999 $GZ_4$ | 14.5 | X | 81.13956 | 26.35203 | 207.62807 | 5.34007 | 0.1444992 | 0.27680757 | 2.3317612 | 21 | 9 11.1 | 17.7 |
| 35730 1999 $GM_7$ | 15.7 | X | 190.17395 | 139.87506 | 156.88590 | 0.91512 | 0.1672093 | 0.29928903 | 2.2134796 | 21 | — | — |
| 35731 1999 $GH_8$ | 16.1 | X | 67.05628 | 238.66853 | 278.68194 | 1.44596 | 0.1427505 | 0.27037441 | 2.3686033 | 21 | 4 30.7 | 18.4 |
| 35732 1999 $GL_8$ | 15.2 | X | 201.03679 | 244.39819 | 215.11346 | 5.03881 | 0.1732281 | 0.28076684 | 2.3097883 | 21 | 7 19.3 | 18.8 |
| 35733 1999 $GW_8$ | 15.6 | X | 236.24001 | 62.11069 | 102.82666 | 4.72244 | 0.0407841 | 0.29021604 | 2.2593757 | 21 | 12 16.5 | 18.2 |
| 35734 Dilithium | 16.0 | X | 38.15823 | 104.95677 | 153.34246 | 6.00940 | 0.1586906 | 0.27586126 | 2.3370907 | 21 | 8 16.6 | 18.1 |
| 35735 1999 $GP_{11}$ | 15.2 | X | 31.28418 | 316.51715 | 21.00399 | 3.73044 | 0.1953380 | 0.24247179 | 2.5469978 | 21 | 11 28.2 | 18.3 |
| 35736 1999 $GQ_{19}$ | 14.6 | X | 112.40129 | 247.14723 | 42.44428 | 6.58358 | 0.1741130 | 0.28816805 | 2.2700678 | 21 | 12 29.8 | 18.2 |
| 35737 1999 $GN_{20}$ | 15.6 | X | 20.87338 | 71.17973 | 177.32202 | 5.33695 | 0.2113569 | 0.27218360 | 2.3580956 | 21 | 6 30.4 | 17.3 |
| 35738 1999 $GO_{20}$ | 14.9 | X | 89.37128 | 235.50749 | 52.04041 | 5.00610 | 0.1451755 | 0.28512582 | 2.2861867 | 21 | 12 2.8 | 18.0 |
| 35739 1999 $GR_{21}$ | 15.0 | X | 158.64950 | 127.48000 | 156.40826 | 7.95325 | 0.1122291 | 0.29350157 | 2.2424827 | 21 | — | — |
| 35740 1999 $GK_{24}$ | 15.6 | X | 86.54018 | 128.88029 | 152.59289 | 3.33654 | 0.1683471 | 0.28583082 | 2.2824259 | 21 | 11 25.5 | 18.9 |
| 35741 1999 $GX_{24}$ | 14.8 | X | 13.65691 | 349.62637 | 11.71092 | 3.58882 | 0.1552241 | 0.28821826 | 2.2698041 | 21 | 12 8.6 | 17.1 |
| 35742 1999 $GD_{29}$ | 15.2 | X | 153.65248 | 151.33179 | 168.17281 | 6.81497 | 0.1543299 | 0.25369375 | 2.4713231 | 21 | — | — |
| 35743 1999 $GP_{29}$ | 16.0 | X | 82.99235 | 213.64765 | 24.02025 | 3.66769 | 0.0816907 | 0.28005311 | 2.3137110 | 21 | 9 12.9 | 18.9 |
| 35744 1999 $GF_{30}$ | 16.1 | X | 233.78348 | 52.15975 | 186.61847 | 2.87219 | 0.0907078 | 0.29854401 | 2.2171605 | 21 | — | — |
| 35745 1999 $GZ_{30}$ | 15.3 | X | 33.81829 | 72.06048 | 78.87237 | 3.51945 | 0.1078126 | 0.26491611 | 2.4010275 | 21 | 2 17.6 | 17.6 |
| 35746 1999 $GX_{31}$ | 15.0 | X | 13.98920 | 246.82195 | 70.29624 | 5.16599 | 0.1558176 | 0.27953645 | 2.3165611 | 21 | 10 5.7 | 17.1 |
| 35747 1999 $GE_{32}$ | 14.9 | X | 359.92838 | 190.98474 | 117.96725 | 3.73895 | 0.2298588 | 0.23120741 | 2.6290664 | 21 | 8 19.8 | 16.8 |
| 35748 1999 $GK_{32}$ | 14.9 | X | 8.58215 | 340.15836 | 192.71496 | 6.62150 | 0.0646851 | 0.26351346 | 2.4095402 | 21 | 2 5.3 | 17.6 |
| 35749 1999 $GF_{33}$ | 14.9 | X | 202.59909 | 194.13558 | 104.58488 | 7.17323 | 0.1843324 | 0.30007885 | 2.2095939 | 21 | — | — |
| 35750 1999 $GP_{34}$ | 15.3 | X | 38.70949 | 256.03624 | 320.95230 | 3.41326 | 0.0502124 | 0.27349092 | 2.3505750 | 21 | 5 29.6 | 17.9 |
| 35751 1999 $GE_{36}$ | 15.5 | X | 335.73788 | 67.95817 | 26.18958 | 5.64553 | 0.0821652 | 0.29511196 | 2.2343173 | 21 | — | — |
| 35752 1999 $GW_{36}$ | 15.2 | X | 54.25940 | 246.66702 | 291.38650 | 1.37575 | 0.1441179 | 0.27033481 | 2.3688346 | 21 | 5 9.3 | 17.3 |
| 35753 1999 $GE_{45}$ | 14.9 | X | 239.16423 | 188.00702 | 81.13279 | 8.29223 | 0.0995719 | 0.25819892 | 2.4424917 | 21 | — | — |
| 35754 1999 $GN_{50}$ | 15.5 | X | 133.64216 | 199.12877 | 74.15567 | 5.24487 | 0.1798316 | 0.28971221 | 2.2619943 | 21 | 12 28.5 | 19.1 |
| 35755 1999 $GV_{53}$ | 15.2 | X | 110.69031 | 348.80698 | 112.99877 | 4.39286 | 0.1836506 | 0.26897064 | 2.3768374 | 21 | 4 25.9 | 18.4 |
| 35756 1999 $GX_{58}$ | 13.8 | X | 72.78118 | 170.40796 | 126.73716 | 9.24976 | 0.1597247 | 0.24222652 | 2.5487168 | 21 | 11 25.2 | 17.6 |
| 35757 1999 $GY_{60}$ | 16.2 | X | 100.74219 | 249.99170 | 1.81368 | 1.31806 | 0.1526437 | 0.28333915 | 2.2957873 | 21 | 10 30.0 | 19.6 |
| 35758 1999 $HE$ | 15.7 | X | 198.32584 | 157.94323 | 133.58633 | 2.54106 | 0.1590948 | 0.25292376 | 2.4763363 | 21 | — | — |
| 35759 1999 $HQ$ | 14.8 | X | 226.60879 | 117.16187 | 221.61873 | 2.49534 | 0.1940161 | 0.26245002 | 2.4160448 | 21 | 3 9.5 | 18.7 |
| 35760 1999 $HP_1$ | 15.1 | X | 237.90474 | 64.42082 | 26.81445 | 23.66783 | 0.2612426 | 0.28459733 | 2.2890160 | 21 | 8 21.1 | 19.1 |

| Planet | | H | G | M | ω | Ω | i | e | μ | a | TE | Oppos. | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | m | | ° | ° | ° | ° | | ° | | | | |
| 35761 | 1999 $HC_2$ | 15.2 | X | 292.23677 | 139.98504 | 165.41263 | 8.32440 | 0.2735196 | 0.26714169 | 2.3876735 | 21 | 3 22.3 | 18.6 |
| 35762 | 1999 $HF_2$ | 15.6 | X | 42.58048 | 140.23666 | 47.80590 | 1.82883 | 0.1418425 | 0.26862649 | 2.3788670 | 21 | 5 2.4 | 17.7 |
| 35763 | 1999 $HK_3$ | 15.9 | X | 17.43167 | 333.21675 | 244.14761 | 1.19324 | 0.0857778 | 0.27003130 | 2.3706093 | 21 | 4 25.6 | 18.4 |
| 35764 | 1999 $HP_7$ | 15.7 | X | 196.85985 | 142.19789 | 56.95941 | 0.84038 | 0.0696803 | 0.28899023 | 2.2657602 | 21 | 12 6.0 | 18.5 |
| 35765 | 1999 $HR_8$ | 15.3 | X | 15.09941 | 346.47073 | 279.31078 | 1.38316 | 0.1945790 | 0.27358033 | 2.3500628 | 21 | 7 14.9 | 17.0 |
| 35766 | 1999 $HB_9$ | 15.5 | X | 164.52021 | 239.97582 | 220.12180 | 3.47628 | 0.0964425 | 0.27500865 | 2.3419187 | 21 | 6 13.5 | 18.9 |
| 35767 | 1999 $JM$ | 14.1 | X | 179.84668 | 98.99429 | 196.91103 | 13.06074 | 0.0919675 | 0.25090822 | 2.4895802 | 21 | — | — |
| 35768 | Wendybauer | 14.4 | X | 91.28416 | 201.63020 | 88.05118 | 3.43844 | 0.0558572 | 0.19872854 | 2.9082332 | 21 | 11 16.1 | 18.5 |
| 35769 | Tombauer | 15.5 | X | 296.26876 | 168.74712 | 144.08064 | 7.27746 | 0.1356581 | 0.26990829 | 2.3713295 | 21 | 4 27.7 | 18.5 |
| 35770 | 1999 $JH_2$ | 15.6 | X | 141.12082 | 214.63198 | 145.40538 | 5.42560 | 0.1001828 | 0.30223597 | 2.1990678 | 21 | — | — |
| 35771 | 1999 $JE_6$ | 14.3 | X | 156.58106 | 128.97597 | 89.39634 | 7.59213 | 0.1368235 | 0.28545123 | 2.2844488 | 21 | 11 13.2 | 17.7 |
| 35772 | 1999 $JM_7$ | 14.8 | X | 318.78960 | 183.59442 | 123.15131 | 7.99390 | 0.1235546 | 0.27054843 | 2.3675875 | 21 | 5 25.0 | 17.5 |
| 35773 | 1999 $JT_7$ | 15.8 | X | 138.02443 | 337.21756 | 243.74252 | 1.86572 | 0.2157650 | 0.28284542 | 2.2984582 | 21 | 10 27.9 | 19.6 |
| 35774 | 1999 $JL_9$ | 14.2 | X | 144.20011 | 85.56500 | 86.21205 | 15.61568 | 0.1150824 | 0.23463773 | 2.6033795 | 21 | 9 1.9 | 18.5 |
| 35775 | 1999 $JW_9$ | 15.0 | X | 41.72389 | 170.14104 | 193.16068 | 12.93839 | 0.1204512 | 0.24353565 | 2.5395749 | 21 | — | — |
| 35776 | 1999 $JE_{11}$ | 15.4 | X | 31.03804 | 192.41952 | 84.15182 | 3.41324 | 0.1993239 | 0.27428603 | 2.3460302 | 21 | 9 10.7 | 17.6 |
| 35777 | 1999 $JB_{13}$ | 14.1 | X | 284.80619 | 182.76124 | 120.81919 | 10.37178 | 0.2618737 | 0.21796232 | 2.7345242 | 21 | 3 22.3 | 18.4 |
| 35778 | 1999 $JL_{16}$ | 15.4 | X | 123.56365 | 307.74261 | 232.52714 | 5.93658 | 0.0703760 | 0.27629036 | 2.3346703 | 21 | 8 10.1 | 18.6 |
| 35779 | 1999 $JB_{18}$ | 15.5 | X | 3.99956 | 337.66953 | 262.26726 | 6.18994 | 0.0650518 | 0.27002296 | 2.3706581 | 21 | 5 5.5 | 18.2 |
| 35780 | 1999 $JR_{18}$ | 14.9 | X | 84.66987 | 324.79642 | 337.41113 | 4.77528 | 0.2178948 | 0.24067411 | 2.5596650 | 21 | 12 15.9 | 19.0 |
| 35781 | 1999 $JA_{19}$ | 15.2 | X | 112.55194 | 24.79708 | 242.75848 | 6.95904 | 0.1196125 | 0.28578316 | 2.2826796 | 21 | 11 29.9 | 18.5 |
| 35782 | 1999 $JW_{19}$ | 15.4 | X | 202.69972 | 234.15710 | 282.80012 | 4.97368 | 0.0953822 | 0.28525434 | 2.2854999 | 21 | 10 11.2 | 18.7 |
| 35783 | 1999 $JU_{20}$ | 14.4 | X | 147.31023 | 241.17446 | 53.81924 | 3.41818 | 0.2004733 | 0.29177205 | 2.2513357 | 21 | — | — |
| 35784 | 1999 $JS_{21}$ | 15.2 | X | 260.60970 | 16.77521 | 305.86915 | 3.43871 | 0.2047041 | 0.26435282 | 2.4044371 | 21 | 3 18.2 | 18.9 |
| 35785 | 1999 $JY_{21}$ | 15.3 | X | 239.96344 | 334.62332 | 270.30655 | 2.53288 | 0.0696510 | 0.29912319 | 2.2142976 | 21 | — | — |
| 35786 | 1999 $JR_{22}$ | 14.7 | X | 151.62203 | 4.17113 | 242.63297 | 4.26635 | 0.1071085 | 0.28826301 | 2.2695692 | 21 | 12 13.8 | 17.8 |
| 35787 | 1999 $JY_{22}$ | 14.9 | X | 26.36639 | 262.75470 | 39.41469 | 3.11794 | 0.0530936 | 0.23503820 | 2.6004215 | 21 | 9 13.4 | 18.0 |
| 35788 | 1999 $JL_{24}$ | 14.4 | X | 299.35932 | 305.92984 | 36.60765 | 12.41144 | 0.1666918 | 0.27217573 | 2.3581411 | 21 | 6 3.4 | 17.3 |
| 35789 | 1999 $JF_{25}$ | 15.9 | X | 109.94443 | 258.26909 | 349.40143 | 3.79301 | 0.1285462 | 0.28283438 | 2.2985181 | 21 | 10 31.3 | 19.3 |
| 35790 | 1999 $JG_{25}$ | 14.9 | X | 87.76829 | 331.28814 | 286.56538 | 4.02978 | 0.1281142 | 0.28104038 | 2.3082893 | 21 | 10 19.5 | 18.1 |
| 35791 | 1999 $JK_{25}$ | 15.5 | X | 23.76158 | 12.58627 | 276.48338 | 3.90569 | 0.2077640 | 0.27542332 | 2.3395675 | 21 | 9 12.9 | 17.7 |
| 35792 | 1999 $JL_{29}$ | 15.4 | X | 164.73889 | 64.30290 | 71.73725 | 7.72115 | 0.0418120 | 0.27660430 | 2.3329034 | 21 | 8 3.6 | 18.6 |
| 35793 | 1999 $JN_{30}$ | 14.7 | X | 139.52156 | 53.27522 | 286.85615 | 5.39381 | 0.1313090 | 0.25206123 | 2.4819823 | 21 | — | — |
| 35794 | 1999 $JB_{31}$ | 15.5 | X | 294.51307 | 82.25179 | 32.93586 | 4.89282 | 0.1157079 | 0.29137785 | 2.2533658 | 21 | 12 29.9 | 17.6 |
| 35795 | 1999 $JF_{31}$ | 15.8 | X | 162.62089 | 165.50873 | 39.13325 | 5.64234 | 0.0865973 | 0.28498671 | 2.2869305 | 21 | 11 1.2 | 19.0 |
| 35796 | 1999 $JL_{31}$ | 15.8 | X | 250.02427 | 126.81552 | 41.04686 | 6.73626 | 0.0354557 | 0.29119062 | 2.2543316 | 21 | — | — |
| 35797 | 1999 $JY_{31}$ | 14.6 | X | 149.61139 | 245.82418 | 146.15773 | 2.40617 | 0.1564653 | 0.26101739 | 2.4248772 | 21 | 3 5.1 | 18.1 |
| 35798 | 1999 $JJ_{32}$ | 15.4 | X | 305.55507 | 170.99193 | 152.05695 | 2.91224 | 0.2281594 | 0.26913826 | 2.3758504 | 21 | 5 8.3 | 18.1 |
| 35799 | 1999 $JK_{32}$ | 15.7 | X | 93.15484 | 44.14153 | 168.81590 | 3.31230 | 0.0710488 | 0.27691817 | 2.3311403 | 21 | 8 18.8 | 18.6 |
| 35800 | 1999 $JT_{32}$ | 15.2 | X | 270.63599 | 51.89838 | 57.74295 | 8.21237 | 0.0808383 | 0.28710604 | 2.2756624 | 21 | 11 13.0 | 17.4 |
| 35801 | 1999 $JB_{38}$ | 14.9 | X | 104.71357 | 238.80945 | 2.48153 | 5.20439 | 0.0195555 | 0.28121916 | 2.3073109 | 21 | 10 6.9 | 17.7 |
| 35802 | 1999 $JF_{39}$ | 15.7 | X | 266.17463 | 209.51805 | 274.33808 | 3.69222 | 0.0832651 | 0.28794703 | 2.2712293 | 21 | 11 25.3 | 18.0 |
| 35803 | 1999 $JT_{40}$ | 15.7 | X | 79.06115 | 75.36110 | 180.14716 | 4.14380 | 0.1301365 | 0.27931042 | 2.3178107 | 21 | 10 8.7 | 18.7 |
| 35804 | 1999 $JK_{41}$ | 15.1 | X | 167.03814 | 215.50717 | 122.54184 | 4.50150 | 0.0789628 | 0.25539759 | 2.4603196 | 21 | 1 6.9 | 18.3 |
| 35805 | 1999 $JP_{41}$ | 14.9 | X | 133.60730 | 65.75040 | 175.94296 | 4.31019 | 0.1241236 | 0.28479291 | 2.2879679 | 21 | 11 19.2 | 18.3 |
| 35806 | 1999 $JB_{42}$ | 15.9 | X | 319.56573 | 75.03631 | 156.70042 | 1.54035 | 0.1370793 | 0.26216054 | 2.4178230 | 21 | 2 4.9 | 19.1 |
| 35807 | 1999 $JS_{42}$ | 15.5 | X | 231.03460 | 268.67063 | 233.30555 | 5.60717 | 0.0562603 | 0.28547408 | 2.2843269 | 21 | 11 3.5 | 18.1 |
| 35808 | 1999 $JA_{43}$ | 14.8 | X | 186.85519 | 280.92281 | 55.63506 | 10.21479 | 0.1732708 | 0.21181981 | 2.7871371 | 21 | 2 11.9 | 19.5 |
| 35809 | 1999 $JY_{43}$ | 14.6 | X | 243.82852 | 95.36281 | 315.29918 | 5.29581 | 0.0576358 | 0.27446826 | 2.3449916 | 21 | 7 14.0 | 17.6 |
| 35810 | 1999 $JB_{44}$ | 14.4 | X | 84.61757 | 317.94967 | 21.29072 | 7.87568 | 0.2650208 | 0.24237837 | 2.5476522 | 21 | — | — |
| 35811 | 1999 $JS_{45}$ | 14.7 | X | 159.26833 | 2.93296 | 140.52792 | 2.72090 | 0.0781113 | 0.27677412 | 2.3319491 | 21 | 8 5.6 | 17.7 |
| 35812 | 1999 $JD_{46}$ | 15.3 | X | 141.59141 | 190.24771 | 116.92936 | 4.39851 | 0.1302054 | 0.24764544 | 2.5113996 | 21 | — | — |
| 35813 | 1999 $JM_{47}$ | 14.0 | X | 165.22220 | 197.68163 | 236.52561 | 12.62762 | 0.1853434 | 0.22455990 | 2.6806981 | 21 | 5 16.9 | 18.2 |
| 35814 | 1999 $JK_{48}$ | 15.1 | X | 126.32841 | 303.07475 | 310.16316 | 3.95280 | 0.0972671 | 0.24010594 | 2.5637014 | 21 | 11 17.2 | 19.0 |
| 35815 | 1999 $JO_{48}$ | 14.8 | X | 21.47322 | 303.88086 | 17.19799 | 4.16974 | 0.1750584 | 0.23354913 | 2.6114630 | 21 | 10 16.7 | 17.5 |
| 35816 | 1999 $JU_{49}$ | 15.4 | X | 309.02291 | 345.97526 | 91.61575 | 4.15679 | 0.0163361 | 0.28625679 | 2.2801610 | 21 | 12 1.8 | 18.1 |
| 35817 | 1999 $JV_{49}$ | 15.0 | X | 350.13919 | 89.67072 | 118.16008 | 3.04663 | 0.1474417 | 0.26349524 | 2.4096513 | 21 | 2 17.1 | 17.3 |
| 35818 | 1999 $JC_{50}$ | 14.7 | X | 217.53447 | 16.59087 | 78.90312 | 10.43593 | 0.1368055 | 0.23349206 | 2.6118885 | 21 | 8 4.9 | 18.8 |
| 35819 | 1999 $JG_{50}$ | 15.5 | X | 264.81072 | 66.23491 | 130.95490 | 4.29295 | 0.0668409 | 0.29598221 | 2.2299356 | 21 | — | — |
| 35820 | 1999 $JM_{50}$ | 15.3 | X | 256.00679 | 297.39943 | 173.36708 | 6.21705 | 0.0547318 | 0.28412592 | 2.2915472 | 21 | 10 28.2 | 17.9 |
| 35821 | 1999 $JW_{50}$ | 14.3 | X | 89.76201 | 199.48733 | 190.88403 | 5.94331 | 0.1256348 | 0.25193991 | 2.4827791 | 21 | — | — |
| 35822 | 1999 $JD_{52}$ | 15.5 | X | 7.37670 | 288.84872 | 292.37960 | 1.94388 | 0.1549891 | 0.26676344 | 2.3899300 | 21 | 4 8.3 | 17.4 |
| 35823 | 1999 $JQ_{52}$ | 15.4 | X | 311.74988 | 236.96688 | 56.56035 | 3.47664 | 0.1805625 | 0.26643389 | 2.3919003 | 21 | 4 13.5 | 18.2 |
| 35824 | 1999 $JF_{53}$ | 14.8 | X | 80.12384 | 109.52692 | 95.82400 | 7.34629 | 0.0508154 | 0.27357521 | 2.3500921 | 21 | 7 17.7 | 17.5 |
| 35825 | 1999 $JL_{53}$ | 15.3 | X | 14.99109 | 148.18332 | 135.75614 | 6.02237 | 0.1119580 | 0.22911468 | 2.6450514 | 21 | 8 3.4 | 18.3 |
| 35826 | 1999 $JT_{53}$ | 15.0 | X | 100.00719 | 132.01601 | 185.50325 | 4.30210 | 0.1515055 | 0.24306985 | 2.5428183 | 21 | — | — |
| 35827 | 1999 $JY_{53}$ | 14.8 | X | 39.19664 | 94.56921 | 200.32602 | 3.62035 | 0.2026770 | 0.23242853 | 2.6198500 | 21 | 10 13.6 | 17.7 |
| 35828 | 1999 $JZ_{53}$ | 15.6 | X | 120.12818 | 131.42265 | 95.69542 | 3.11267 | 0.1485736 | 0.28128211 | 2.3069666 | 21 | 10 19.0 | 19.0 |
| 35829 | 1999 $JH_{54}$ | 15.5 | X | 88.51327 | 239.58262 | 54.36203 | 11.35191 | 0.1725863 | 0.23886608 | 2.5725653 | 21 | 12 4.6 | 19.4 |
| 35830 | 1999 $JL_{54}$ | 15.5 | X | 267.87011 | 124.99163 | 45.30201 | 3.14648 | 0.1060326 | 0.29343783 | 2.2428074 | 21 | — | — |
| 35831 | 1999 $JN_{55}$ | 14.4 | X | 121.09776 | 253.31449 | 118.50429 | 7.05166 | 0.1626087 | 0.25231562 | 2.4803138 | 21 | 1 6.6 | 17.3 |
| 35832 | 1999 $JR_{56}$ | 15.8 | X | 60.82006 | 289.29789 | 290.24315 | 3.45519 | 0.1759844 | 0.27312406 | 2.3526793 | 21 | 7 30.1 | 18.3 |
| 35833 | 1999 $JN_{57}$ | 14.9 | X | 96.98082 | 264.15182 | 68.97222 | 13.33149 | 0.1807719 | 0.24382313 | 2.5375783 | 21 | — | — |
| 35834 | 1999 $JT_{57}$ | 13.7 | X | 303.49114 | 260.83575 | 51.49222 | 8.71366 | 0.0569450 | 0.26853996 | 2.3793780 | 21 | 5 17.2 | 16.3 |
| 35835 | 1999 $JD_{58}$ | 14.6 | X | 130.91143 | 28.23212 | 266.83157 | 4.60413 | 0.2293055 | 0.24336219 | 2.5407814 | 21 | — | — |
| 35836 | 1999 $JG_{58}$ | 15.3 | X | 299.28567 | 324.93742 | 297.90329 | 1.90413 | 0.1389405 | 0.26178924 | 2.4201086 | 21 | 2 19.6 | 18.5 |
| 35837 | 1999 $JH_{58}$ | 13.9 | X | 8.01153 | 337.21465 | 10.23196 | 3.05177 | 0.1712120 | 0.23433849 | 2.6055953 | 21 | 10 29.3 | 16.6 |
| 35838 | 1999 $JN_{58}$ | 15.0 | X | 14.74319 | 243.87609 | 61.56165 | 7.28774 | 0.1225814 | 0.27556874 | 2.3387443 | 21 | 9 15.2 | 17.4 |
| 35839 | 1999 $JV_{58}$ | 14.2 | X | 216.44342 | 62.50105 | 217.06300 | 4.27866 | 0.1595660 | 0.29748918 | 2.2223985 | 21 | — | — |
| 35840 | 1999 $JH_{59}$ | 14.9 | X | 299.06667 | 16.45578 | 211.23124 | 10.66745 | 0.1401606 | 0.21391869 | 2.7688764 | 21 | 1 12.7 | 19.1 |

| Planet | $H$ | $G$ | $M$ | $\omega$ | $\Omega$ | $i$ | $e$ | $\mu$ | $a$ | TE | Oppos. | $V$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 35841 1999 JR$_{59}$ | 15.3 | X | 311.42252 | 119.16850 | 181.63988 | 5.77333 | 0.1219158 | 0.26729303 | 2.3867721 | 21 | 5 3.7 | 18.1 |
| 35842 1999 JX$_{59}$ | 14.9 | X | 77.06384 | 95.77211 | 171.74770 | 3.99910 | 0.1021790 | 0.23484393 | 2.6018554 | 21 | 10 13.5 | 18.3 |
| 35843 1999 JZ$_{59}$ | 15.0 | X | 328.42825 | 112.16200 | 142.33092 | 1.71661 | 0.1542929 | 0.26468210 | 2.4024425 | 21 | 3 18.6 | 17.5 |
| 35844 1999 JD$_{60}$ | 14.7 | X | 207.71322 | 249.18467 | 75.95738 | 3.18016 | 0.1458472 | 0.25673729 | 2.4517532 | 21 | 2 7.1 | 18.4 |
| 35845 1999 JM$_{60}$ | 14.1 | X | 53.17160 | 84.14901 | 246.61153 | 11.71576 | 0.1333558 | 0.23834113 | 2.5763413 | 21 | 12 8.5 | 17.6 |
| 35846 1999 JO$_{60}$ | 14.7 | X | 137.80651 | 351.67253 | 242.47989 | 5.41634 | 0.1472341 | 0.28373387 | 2.2936576 | 21 | 11 12.5 | 18.0 |
| 35847 1999 JJ$_{61}$ | 14.2 | X | 232.40412 | 261.03182 | 75.05044 | 12.67309 | 0.2515828 | 0.25944421 | 2.4346697 | 21 | 3 17.4 | 18.7 |
| 35848 1999 JY$_{61}$ | 15.0 | X | 146.19059 | 224.74146 | 50.97865 | 13.10401 | 0.2396351 | 0.24316228 | 2.5421739 | 21 | — | — |
| 35849 1999 JK$_{62}$ | 15.6 | X | 250.51815 | 152.93557 | 95.89385 | 4.68875 | 0.1691087 | 0.29873058 | 2.2162373 | 21 | — | — |
| 35850 1999 JS$_{62}$ | 14.8 | X | 127.93842 | 141.93592 | 136.04971 | 5.17292 | 0.2171607 | 0.24139125 | 2.5545929 | 21 | 12 22.9 | 19.1 |
| 35851 1999 JW$_{62}$ | 15.2 | X | 80.73249 | 187.57547 | 115.67970 | 5.38932 | 0.1896681 | 0.23805956 | 2.5783723 | 21 | 12 11.3 | 19.2 |
| 35852 1999 JD$_{63}$ | 15.0 | X | 150.75150 | 279.78638 | 232.83758 | 6.15713 | 0.0557179 | 0.27508295 | 2.3414970 | 21 | 8 4.6 | 18.2 |
| 35853 1999 JY$_{63}$ | 14.8 | X | 29.35162 | 180.76502 | 131.10513 | 5.75888 | 0.2021801 | 0.23211715 | 2.6221924 | 21 | 10 24.2 | 17.8 |
| 35854 1999 JZ$_{63}$ | 14.2 | X | 20.32657 | 193.13819 | 170.26870 | 6.11473 | 0.1621077 | 0.23746018 | 2.5827093 | 21 | 12 11.7 | 17.4 |
| 35855 1999 JC$_{64}$ | 14.8 | X | 34.51559 | 115.94789 | 203.86915 | 2.46122 | 0.2019103 | 0.23355186 | 2.6114426 | 21 | 11 9.7 | 18.0 |
| 35856 1999 JG$_{64}$ | 14.9 | X | 151.00049 | 177.55787 | 66.92180 | 5.77129 | 0.1683451 | 0.28599156 | 2.2815706 | 21 | 12 7.8 | 18.4 |
| 35857 1999 JN$_{64}$ | 14.7 | X | 42.48706 | 269.89269 | 316.04200 | 4.32909 | 0.1095482 | 0.27093845 | 2.3653148 | 21 | 6 27.3 | 17.0 |
| 35858 1999 JZ$_{65}$ | 15.8 | X | 303.72848 | 141.95684 | 144.95803 | 1.70443 | 0.2237373 | 0.26613281 | 2.3937039 | 21 | 3 17.2 | 18.7 |
| 35859 1999 JN$_{66}$ | 14.8 | X | 356.08042 | 207.83818 | 119.68833 | 1.51308 | 0.2376210 | 0.27664881 | 2.3326532 | 21 | 9 19.4 | 16.0 |
| 35860 1999 JO$_{66}$ | 15.8 | X | 238.28184 | 39.52376 | 178.44926 | 3.07071 | 0.0759484 | 0.29638473 | 2.2279161 | 21 | — | — |
| 35861 1999 JT$_{66}$ | 15.9 | X | 16.49462 | 74.75022 | 134.37394 | 2.89299 | 0.1480895 | 0.26817623 | 2.3815289 | 21 | 4 11.9 | 17.9 |
| 35862 1999 JO$_{67}$ | 15.1 | X | 265.32075 | 193.38971 | 78.56666 | 2.70979 | 0.2337281 | 0.21475872 | 2.7616514 | 21 | 1 26.2 | 19.6 |
| 35863 1999 JX$_{67}$ | 14.6 | X | 128.97961 | 184.50796 | 112.22326 | 3.98184 | 0.2744615 | 0.24479609 | 2.5308500 | 21 | — | — |
| 35864 1999 JG$_{68}$ | 14.7 | X | 9.31307 | 226.05852 | 121.72170 | 5.89857 | 0.2238874 | 0.23723962 | 2.5843098 | 21 | 11 12.9 | 17.3 |
| 35865 1999 JL$_{68}$ | 15.0 | X | 329.54746 | 165.17302 | 123.03827 | 3.47252 | 0.1570159 | 0.26976407 | 2.3721746 | 21 | 5 9.5 | 17.3 |
| 35866 1999 JM$_{68}$ | 15.2 | X | 186.78556 | 158.72507 | 62.87176 | 7.42466 | 0.0657957 | 0.29027004 | 2.2590954 | 21 | 12 24.1 | 18.0 |
| 35867 1999 JO$_{68}$ | 14.9 | X | 143.09095 | 184.64447 | 61.39431 | 6.05173 | 0.1299461 | 0.28717174 | 2.2753153 | 21 | 12 3.2 | 18.1 |
| 35868 1999 JP$_{68}$ | 15.6 | X | 62.74883 | 27.51086 | 168.44920 | 2.26657 | 0.1513230 | 0.27235028 | 2.3571334 | 21 | 6 23.4 | 18.1 |
| 35869 1999 JR$_{68}$ | 15.5 | X | 259.76029 | 221.60973 | 79.45964 | 4.13918 | 0.1923840 | 0.26195648 | 2.4190784 | 21 | 2 23.3 | 19.4 |
| 35870 1999 JQ$_{69}$ | 15.7 | X | 67.59820 | 302.88748 | 82.53813 | 4.09442 | 0.0271548 | 0.29561937 | 2.2317598 | 21 | — | — |
| 35871 1999 JW$_{70}$ | 15.1 | X | 52.03942 | 170.64606 | 168.61704 | 6.40713 | 0.1391136 | 0.28609819 | 2.2810036 | 21 | 12 28.2 | 18.2 |
| 35872 1999 JB$_{72}$ | 16.0 | X | 198.86581 | 351.12926 | 181.65080 | 6.22258 | 0.1054043 | 0.28632163 | 2.2798168 | 21 | 10 31.2 | 19.1 |
| 35873 1999 JO$_{72}$ | 16.2 | X | 195.59805 | 97.58400 | 148.30564 | 3.91656 | 0.1729077 | 0.29289683 | 2.2455683 | 21 | — | — |
| 35874 1999 JU$_{72}$ | 15.3 | X | 203.35463 | 164.60313 | 90.60537 | 5.41211 | 0.0954483 | 0.29506924 | 2.2345329 | 21 | — | — |
| 35875 1999 JP$_{73}$ | 14.4 | X | 333.92515 | 238.39273 | 98.99112 | 6.98102 | 0.1478396 | 0.27513191 | 2.3412192 | 21 | 8 8.8 | 16.3 |
| 35876 1999 JX$_{74}$ | 14.3 | X | 208.31818 | 5.38413 | 144.12060 | 14.19245 | 0.0792017 | 0.23776845 | 2.5804764 | 21 | 10 11.7 | 18.2 |
| 35877 1999 JR$_{75}$ | 15.1 | X | 99.40560 | 5.90008 | 246.00048 | 7.45649 | 0.1956665 | 0.28239665 | 2.3008926 | 21 | 10 31.2 | 18.7 |
| 35878 1999 JX$_{75}$ | 15.1 | X | 288.62767 | 267.66750 | 11.55953 | 3.50397 | 0.1108885 | 0.30913045 | 2.1662481 | 21 | 2 26.4 | 17.6 |
| 35879 1999 JA$_{76}$ | 15.5 | X | 149.41494 | 9.26929 | 238.57226 | 7.98309 | 0.1950267 | 0.28795286 | 2.2711986 | 21 | 12 10.4 | 19.2 |
| 35880 1999 JC$_{76}$ | 14.2 | X | 112.13934 | 55.52726 | 221.95189 | 5.64154 | 0.1285575 | 0.28632990 | 2.2797729 | 21 | 12 12.6 | 17.5 |
| 35881 1999 JM$_{77}$ | 14.3 | X | 60.20762 | 151.44437 | 186.72217 | 9.07518 | 0.2038808 | 0.24014344 | 2.5634345 | 21 | — | — |
| 35882 1999 JT$_{77}$ | 15.6 | X | 16.22226 | 110.02348 | 154.76672 | 5.68471 | 0.1780869 | 0.27163651 | 2.3612608 | 21 | 7 13.5 | 17.5 |
| 35883 1999 JH$_{78}$ | 14.3 | X | 82.35763 | 67.12308 | 235.21766 | 5.54243 | 0.1590590 | 0.28522172 | 2.2856742 | 21 | 12 16.0 | 17.6 |
| 35884 1999 JW$_{78}$ | 15.2 | X | 173.96761 | 54.39429 | 223.99068 | 4.14056 | 0.1634713 | 0.29310778 | 2.2444907 | 21 | — | — |
| 35885 1999 JO$_{79}$ | 15.6 | X | 271.63812 | 231.72921 | 48.94091 | 1.92476 | 0.1760707 | 0.26049855 | 2.4280959 | 21 | 2 9.7 | 19.2 |
| 35886 1999 JG$_{80}$ | 14.2 | X | 10.42713 | 224.64940 | 116.24149 | 7.89710 | 0.1363621 | 0.27973115 | 2.3154860 | 21 | 11 2.5 | 16.6 |
| 35887 1999 JH$_{80}$ | 14.9 | X | 63.91954 | 179.88946 | 117.39227 | 8.69403 | 0.1870929 | 0.23634751 | 2.5908088 | 21 | 11 18.4 | 18.7 |
| 35888 1999 JS$_{80}$ | 13.9 | X | 35.21236 | 150.43339 | 191.31829 | 12.58290 | 0.1549242 | 0.23742004 | 2.5830004 | 21 | 12 3.8 | 17.4 |
| 35889 1999 JA$_{81}$ | 14.5 | X | 86.40463 | 136.15982 | 107.28866 | 14.31458 | 0.1350585 | 0.23301554 | 2.6154482 | 21 | 10 3.9 | 18.6 |
| 35890 1999 JR$_{81}$ | 15.6 | X | 91.80602 | 105.72575 | 143.35198 | 7.67406 | 0.1368046 | 0.28152229 | 2.3056543 | 21 | 10 18.6 | 18.9 |
| 35891 1999 JS$_{81}$ | 14.3 | X | 173.94538 | 227.11684 | 138.42172 | 11.34110 | 0.2016481 | 0.26146729 | 2.4220948 | 21 | 2 28.4 | 18.1 |
| 35892 1999 JV$_{82}$ | 13.7 | X | 310.21492 | 160.83265 | 151.46307 | 13.27378 | 0.1696666 | 0.22498776 | 2.6772985 | 21 | 5 16.8 | 17.3 |
| 35893 1999 JC$_{83}$ | 15.1 | X | 95.25119 | 54.64183 | 176.27025 | 7.02375 | 0.0887258 | 0.27873672 | 2.3209899 | 21 | 9 18.9 | 18.1 |
| 35894 1999 JF$_{83}$ | 13.9 | X | 71.49507 | 153.05688 | 174.90636 | 13.60957 | 0.1797385 | 0.24125988 | 2.5555202 | 21 | 12 30.8 | 18.1 |
| 35895 1999 JX$_{83}$ | 15.1 | X | 127.93061 | 112.07190 | 146.45978 | 6.87205 | 0.2307290 | 0.28496760 | 2.2870328 | 21 | 12 6.5 | 19.0 |
| 35896 1999 JW$_{84}$ | 15.1 | X | 320.17090 | 177.13530 | 158.61176 | 5.10253 | 0.1090549 | 0.22902217 | 2.6457636 | 21 | 7 10.4 | 18.2 |
| 35897 1999 JU$_{85}$ | 15.1 | X | 224.99498 | 239.12014 | 156.50462 | 7.06657 | 0.1347655 | 0.26904902 | 2.3763757 | 21 | 5 24.5 | 18.8 |
| 35898 1999 JC$_{86}$ | 15.8 | X | 4.39104 | 28.39721 | 89.89201 | 6.49528 | 0.0534880 | 0.30064119 | 2.2068377 | 21 | — | — |
| 35899 1999 JC$_{87}$ | 13.6 | X | 296.43205 | 190.88519 | 144.83920 | 10.87357 | 0.0149114 | 0.18497135 | 3.0507016 | 21 | 6 19.7 | 18.0 |
| 35900 1999 JH$_{88}$ | 15.6 | X | 143.34537 | 89.47759 | 107.01884 | 10.11020 | 0.1010250 | 0.28223508 | 2.3017707 | 21 | 10 5.2 | 19.1 |
| 35901 1999 JK$_{88}$ | 14.5 | X | 172.14279 | 206.65800 | 128.49752 | 9.32855 | 0.1864047 | 0.25569464 | 2.4584137 | 21 | 1 18.7 | 18.2 |
| 35902 1999 JM$_{88}$ | 15.6 | X | 39.57867 | 146.46738 | 112.09200 | 8.02253 | 0.0921369 | 0.27580359 | 2.3374165 | 21 | 8 10.4 | 18.1 |
| 35903 1999 JY$_{88}$ | 13.8 | X | 323.04952 | 188.87494 | 175.01864 | 14.35170 | 0.1983856 | 0.23390397 | 2.6088212 | 21 | 8 14.1 | 16.4 |
| 35904 1999 JJ$_{89}$ | 15.3 | X | 225.31414 | 328.17853 | 122.31996 | 4.87294 | 0.1262946 | 0.27944689 | 2.3170560 | 21 | 8 7.2 | 18.4 |
| 35905 1999 JA$_{92}$ | 15.3 | X | 66.37524 | 349.43407 | 183.53864 | 6.77109 | 0.0788312 | 0.26910273 | 2.3760595 | 21 | 5 15.4 | 18.0 |
| 35906 1999 JL$_{92}$ | 15.2 | X | 101.88593 | 202.15581 | 119.70201 | 14.32342 | 0.1786848 | 0.24471109 | 2.5314360 | 21 | — | — |
| 35907 1999 JO$_{92}$ | 15.7 | X | 347.76779 | 129.29787 | 155.79604 | 6.57231 | 0.1517516 | 0.27081873 | 2.3660119 | 21 | 6 11.2 | 17.8 |
| 35908 1999 JP$_{92}$ | 14.8 | X | 222.94034 | 162.44662 | 141.29647 | 7.71796 | 0.1536892 | 0.25732854 | 2.4479963 | 21 | 1 24.4 | 18.8 |
| 35909 1999 JY$_{93}$ | 14.6 | X | 299.72859 | 280.23924 | 129.34155 | 7.35425 | 0.0938002 | 0.28132484 | 2.3067330 | 21 | 10 3.9 | 17.0 |
| 35910 1999 JZ$_{93}$ | 15.7 | X | 121.20705 | 72.04375 | 133.17645 | 6.52403 | 0.0875440 | 0.27908404 | 2.3190639 | 21 | 9 17.5 | 18.8 |
| 35911 1999 JB$_{95}$ | 14.4 | X | 104.10461 | 149.33385 | 183.07003 | 11.54119 | 0.1613482 | 0.24547669 | 2.5261699 | 21 | — | — |
| 35912 1999 JY$_{95}$ | 15.0 | X | 73.12139 | 176.73634 | 127.75258 | 11.68475 | 0.1031510 | 0.23930902 | 2.5693899 | 21 | 11 28.0 | 18.8 |
| 35913 1999 JC$_{97}$ | 13.7 | X | 270.45177 | 198.42367 | 115.26721 | 15.86822 | 0.1709621 | 0.17537586 | 3.1609880 | 21 | 4 6.8 | 18.8 |
| 35914 1999 JM$_{97}$ | 15.3 | X | 232.97730 | 119.15165 | 157.55558 | 6.55319 | 0.1078652 | 0.25534291 | 2.4606708 | 21 | 1 1.7 | 19.1 |
| 35915 1999 JV$_{97}$ | 14.2 | X | 312.87988 | 236.50747 | 135.67799 | 15.66599 | 0.2288685 | 0.23104542 | 2.6302951 | 21 | 8 2.7 | 16.9 |
| 35916 1999 JS$_{98}$ | 14.8 | X | 142.87678 | 65.55851 | 90.44228 | 15.92557 | 0.0932004 | 0.23107662 | 2.6300583 | 21 | 8 5.4 | 18.9 |
| 35917 1999 JK$_{99}$ | 14.7 | X | 339.36660 | 134.94185 | 59.78103 | 9.79120 | 0.0833749 | 0.21527659 | 2.7572205 | 21 | 2 5.4 | 18.4 |
| 35918 1999 JL$_{99}$ | 13.8 | X | 170.66058 | 276.27965 | 96.25586 | 18.47439 | 0.2702103 | 0.21194138 | 2.7860712 | 21 | 3 21.5 | 19.0 |
| 35919 1999 JY$_{99}$ | 13.5 | X | 16.04966 | 275.70026 | 119.46403 | 12.91003 | 0.0636471 | 0.19850859 | 2.9103810 | 21 | 12 23.6 | 17.4 |
| 35920 1999 JJ$_{101}$ | 15.4 | X | 158.43634 | 87.41340 | 48.96841 | 7.92380 | 0.1064781 | 0.27794425 | 2.3253996 | 21 | 7 29.4 | 18.8 |

| Planet | H | G | M | ω | Ω | i | e | μ | a | TE | Oppos. | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | | ° | ° | ° | ° | | ° | | | | |
| 35921 1999 $JU_{101}$ | 16.0 | X | 316.44573 | 78.79454 | 88.15464 | 7.12030 | 0.0363111 | 0.30011424 | 2.2094202 | 21 | — | — |
| 35922 1999 $JO_{102}$ | 15.3 | X | 115.69333 | 183.39259 | 119.80403 | 3.64863 | 0.1006984 | 0.24535047 | 2.5270361 | 21 | — | — |
| 35923 1999 $JX_{103}$ | 15.1 | X | 54.90314 | 153.59069 | 136.95695 | 14.87310 | 0.1594960 | 0.23372117 | 2.6101813 | 21 | 10 28.9 | 18.9 |
| 35924 1999 $JA_{104}$ | 14.4 | X | 105.07751 | 349.13714 | 115.70669 | 13.58663 | 0.1345996 | 0.26845009 | 2.3799090 | 21 | 4 20.4 | 17.7 |
| 35925 1999 $JP_{104}$ | 13.9 | X | 314.08574 | 40.24168 | 164.51461 | 11.46119 | 0.1094232 | 0.25902053 | 2.4373239 | 21 | — | — |
| 35926 1999 $JL_{105}$ | 14.1 | X | 291.33038 | 359.10261 | 235.19375 | 12.17105 | 0.0566449 | 0.21588259 | 2.7520583 | 21 | 1 20.9 | 18.2 |
| 35927 1999 $JN_{106}$ | 15.8 | X | 274.91750 | 322.72345 | 175.94307 | 2.65625 | 0.1028608 | 0.29221649 | 2.2490524 | 21 | 12 30.1 | 18.0 |
| 35928 1999 $JV_{107}$ | 14.5 | X | 342.51360 | 327.79523 | 61.91696 | 10.71964 | 0.1067643 | 0.24078446 | 2.5588829 | 21 | 11 9.8 | 17.3 |
| 35929 1999 $JK_{108}$ | 14.1 | X | 82.48059 | 244.82591 | 243.27735 | 10.69870 | 0.1164003 | 0.22225370 | 2.6992102 | 21 | 4 12.5 | 17.7 |
| 35930 1999 $JD_{110}$ | 16.0 | X | 325.89333 | 240.69992 | 257.48841 | 3.29949 | 0.1365937 | 0.29787488 | 2.2204796 | 21 | — | — |
| 35931 1999 $JW_{112}$ | 15.7 | X | 149.54578 | 182.06416 | 27.58451 | 3.18281 | 0.0941985 | 0.28325714 | 2.2962304 | 21 | 10 23.9 | 18.7 |
| 35932 1999 $JP_{113}$ | 16.0 | X | 121.31375 | 114.31946 | 63.61182 | 4.50392 | 0.1026921 | 0.27610010 | 2.3357427 | 21 | 8 11.9 | 19.2 |
| 35933 1999 $JD_{117}$ | 14.6 | X | 114.35073 | 71.25731 | 251.69160 | 3.39842 | 0.2193486 | 0.24427902 | 2.5344201 | 21 | — | — |
| 35934 1999 $JZ_{120}$ | 15.3 | X | 131.69802 | 164.03244 | 86.02659 | 7.65737 | 0.0665482 | 0.28448125 | 2.2896387 | 21 | 11 26.9 | 18.4 |
| 35935 1999 $JO_{122}$ | 15.6 | X | 136.57755 | 341.64302 | 226.17996 | 3.34702 | 0.1343573 | 0.28053191 | 2.3110777 | 21 | 10 7.4 | 19.0 |
| 35936 1999 $JX_{123}$ | 14.7 | X | 168.21610 | 183.59208 | 93.23562 | 4.05573 | 0.1480361 | 0.29086649 | 2.2560060 | 21 | — | — |
| 35937 1999 $JD_{124}$ | 15.0 | X | 172.24764 | 143.30436 | 106.41397 | 6.24176 | 0.1693034 | 0.28888063 | 2.2663332 | 21 | — | — |
| 35938 1999 $JQ_{125}$ | 15.2 | X | 122.98872 | 86.24963 | 116.45859 | 5.64340 | 0.1038059 | 0.27807224 | 2.3246860 | 21 | 9 17.7 | 18.4 |
| 35939 1999 $JO_{127}$ | 14.0 | X | 16.33054 | 300.22212 | 83.41143 | 14.43920 | 0.1718785 | 0.23947103 | 2.5682309 | 21 | — | — |
| 35940 1999 $JE_{128}$ | 16.2 | X | 149.80816 | 83.28229 | 187.30613 | 2.06463 | 0.0610399 | 0.29002819 | 2.2603511 | 21 | — | — |
| 35941 1999 $JT_{129}$ | 14.5 | X | 298.48591 | 181.63377 | 152.51719 | 13.00713 | 0.1784767 | 0.22443826 | 2.6816667 | 21 | 5 27.3 | 18.2 |
| 35942 1999 $JP_{132}$ | 16.0 | X | 183.36459 | 302.67668 | 211.82101 | 3.58963 | 0.0876850 | 0.28295158 | 2.2978833 | 21 | 9 17.2 | 19.1 |
| 35943 1999 $KP_{2}$ | 14.9 | X | 185.37685 | 151.32294 | 213.07042 | 5.21613 | 0.0501339 | 0.21675973 | 2.7446290 | 21 | 3 4.3 | 19.0 |
| 35944 1999 $KT_{2}$ | 16.0 | X | 126.28153 | 324.99310 | 102.16582 | 2.24645 | 0.1690249 | 0.26293120 | 2.4130962 | 21 | 3 26.9 | 19.4 |
| 35945 1999 $KU_{2}$ | 15.7 | X | 338.92644 | 100.09521 | 203.88560 | 3.28773 | 0.1572063 | 0.22673795 | 2.6635033 | 21 | 6 22.8 | 18.5 |
| 35946 1999 $KO_{4}$ | 15.1 | X | 266.03019 | 106.57949 | 165.45659 | 3.19943 | 0.1515261 | 0.25809772 | 2.4431302 | 21 | 1 25.6 | 18.9 |
| 35947 1999 $KT_{5}$ | 14.2 | X | 344.05139 | 181.41753 | 212.84494 | 14.69430 | 0.1019341 | 0.23915897 | 2.5704644 | 21 | 11 17.7 | 17.0 |
| 35948 1999 $KD_{6}$ | 15.4 | X | 184.87370 | 289.42423 | 77.55100 | 5.85787 | 0.1260469 | 0.21607140 | 2.7504549 | 21 | 3 15.0 | 19.8 |
| 35949 1999 $KQ_{10}$ | 14.3 | X | 268.61658 | 55.66344 | 241.33130 | 1.73193 | 0.1831965 | 0.26121953 | 2.4236261 | 21 | 2 24.6 | 18.1 |
| 35950 1999 $KL_{13}$ | 14.9 | X | 315.47161 | 73.65203 | 242.99071 | 3.89664 | 0.0977307 | 0.22473804 | 2.6792813 | 21 | 6 7.5 | 18.0 |
| 35951 1999 $KE_{14}$ | 14.3 | X | 106.90091 | 175.62753 | 47.00943 | 9.70865 | 0.0952776 | 0.27796471 | 2.3252855 | 21 | 9 27.3 | 17.5 |
| 35952 1999 $KN_{14}$ | 15.1 | X | 164.95358 | 119.07976 | 161.83335 | 3.87521 | 0.1647077 | 0.24614452 | 2.5215985 | 21 | — | — |
| 35953 1999 $KJ_{15}$ | 13.7 | X | 7.11750 | 173.53400 | 144.92204 | 19.11252 | 0.2487016 | 0.18169900 | 3.0872207 | 21 | 9 19.1 | 16.8 |
| 35954 1999 $KY_{15}$ | 14.7 | X | 148.26494 | 11.20721 | 225.62818 | 4.07013 | 0.1336760 | 0.28468750 | 2.2885327 | 21 | 11 26.7 | 18.1 |
| 35955 1999 $KS_{17}$ | 14.4 | X | 309.18604 | 328.31625 | 95.24249 | 3.28646 | 0.0855495 | 0.19570273 | 2.9381331 | 21 | 10 23.8 | 18.0 |
| 35956 1999 $LG_{2}$ | 14.9 | X | 243.44914 | 179.34216 | 124.33145 | 6.92151 | 0.1387682 | 0.26034207 | 2.4290688 | 21 | 2 13.6 | 18.7 |
| 35957 1999 $LZ_{3}$ | 15.3 | X | 349.84458 | 141.86315 | 138.81854 | 6.87843 | 0.1465610 | 0.26890151 | 2.3772447 | 21 | 6 9.3 | 17.4 |
| 35958 1999 $LF_{4}$ | 14.0 | X | 131.64018 | 28.91835 | 217.81133 | 6.12387 | 0.0972044 | 0.28304122 | 2.2973981 | 21 | 11 22.4 | 17.1 |
| 35959 1999 $LE_{5}$ | 14.6 | X | 253.91929 | 228.33123 | 159.69594 | 15.14427 | 0.1808422 | 0.22642834 | 2.6659307 | 21 | 6 11.5 | 18.9 |
| 35960 1999 $LB_{7}$ | 14.7 | X | 292.77334 | 326.34228 | 93.00992 | 15.18602 | 0.1617000 | 0.23601848 | 2.5932161 | 21 | 9 25.6 | 18.0 |
| 35961 1999 $LH_{7}$ | 13.0 | X | 127.15978 | 87.39166 | 107.15088 | 27.49391 | 0.1119958 | 0.22960410 | 2.6412913 | 21 | 9 15.4 | 17.5 |
| 35962 1999 $LX_{9}$ | 14.6 | X | 283.75929 | 178.98769 | 136.74531 | 8.81561 | 0.0696268 | 0.22097673 | 2.7095990 | 21 | 4 30.2 | 18.4 |
| 35963 1999 $LL_{11}$ | 14.3 | X | 291.00529 | 204.72362 | 186.65218 | 14.47618 | 0.1102588 | 0.23165582 | 2.6256726 | 21 | 8 8.9 | 17.8 |
| 35964 1999 $LC_{13}$ | 15.4 | X | 241.47569 | 61.34435 | 210.08312 | 6.03179 | 0.1178068 | 0.25447937 | 2.4662342 | 21 | 1 3.2 | 19.3 |
| 35965 1999 $LH_{13}$ | 14.3 | X | 71.29678 | 144.74068 | 139.45175 | 6.80155 | 0.1353824 | 0.27924761 | 2.3181582 | 21 | 11 9.6 | 17.5 |
| 35966 1999 $LJ_{13}$ | 15.1 | X | 40.42385 | 101.81912 | 130.32111 | 7.90716 | 0.0538649 | 0.26996390 | 2.3710038 | 21 | 6 25.9 | 17.7 |
| 35967 1999 $LG_{14}$ | 14.4 | X | 153.15551 | 24.46320 | 208.45449 | 6.77053 | 0.1535084 | 0.28415137 | 2.2914104 | 21 | 11 26.4 | 17.9 |
| 35968 1999 $LK_{14}$ | 14.7 | X | 155.45018 | 108.66700 | 171.27927 | 4.86303 | 0.2477168 | 0.24377983 | 2.5378788 | 21 | — | — |
| 35969 1999 $LY_{14}$ | 15.6 | X | 114.46694 | 106.99131 | 141.96880 | 6.95200 | 0.1017388 | 0.28138836 | 2.3063858 | 21 | 11 8.8 | 18.9 |
| 35970 1999 $LE_{21}$ | 15.3 | X | 297.65147 | 164.41537 | 65.70110 | 4.28261 | 0.1414751 | 0.30239244 | 2.1983091 | 21 | — | — |
| 35971 1999 $LJ_{26}$ | 14.4 | X | 282.17973 | 162.93585 | 96.13632 | 7.50069 | 0.1094223 | 0.25802885 | 2.4435649 | 21 | 2 1.1 | 17.8 |
| 35972 1999 $LL_{26}$ | 14.6 | X | 129.44160 | 25.16306 | 233.23472 | 1.19415 | 0.0884760 | 0.28372443 | 2.2937085 | 21 | 12 4.6 | 17.7 |
| 35973 1999 $LU_{26}$ | 13.8 | X | 146.95013 | 20.15558 | 270.04677 | 14.54655 | 0.2707853 | 0.24373373 | 2.5381987 | 21 | — | — |
| 35974 1999 $LW_{26}$ | 14.4 | X | 142.38038 | 126.52917 | 110.31715 | 7.31303 | 0.0811651 | 0.28285726 | 2.2983941 | 21 | 11 22.5 | 17.6 |
| 35975 1999 $LG_{27}$ | 13.9 | X | 69.07797 | 36.61636 | 256.58413 | 12.47503 | 0.1340815 | 0.23439504 | 2.6051762 | 21 | 11 7.5 | 17.7 |
| 35976 Yorktown | 14.5 | X | 35.63875 | 307.20856 | 280.05947 | 22.19246 | 0.2603530 | 0.26776969 | 2.3839388 | 21 | 7 8.5 | 16.2 |
| 35977 Lexington | 13.6 | X | 326.24736 | 303.63673 | 88.87904 | 12.66528 | 0.1769334 | 0.23083795 | 2.6318709 | 21 | 10 17.2 | 16.4 |
| 35978 Arlington | 15.0 | X | 137.45519 | 116.18862 | 136.68264 | 6.03398 | 0.1327744 | 0.28232511 | 2.3012813 | 21 | 12 6.7 | 18.5 |
| 35979 1999 $NC_{2}$ | 14.9 | X | 14.14553 | 137.30088 | 171.20332 | 15.01725 | 0.0671373 | 0.22761942 | 2.6566225 | 21 | 9 1.5 | 18.2 |
| 35980 1999 $NO_{3}$ | 14.4 | X | 277.17231 | 12.08389 | 164.40300 | 9.53692 | 0.0405763 | 0.24434643 | 2.5339540 | 21 | — | — |
| 35981 1999 $NU_{3}$ | 14.1 | X | 69.97383 | 170.69351 | 131.55308 | 14.54554 | 0.1619210 | 0.23357278 | 2.6112868 | 21 | 11 28.7 | 18.2 |
| 35982 1999 $NJ_{4}$ | 15.7 | X | 80.71481 | 138.61711 | 100.49889 | 3.82109 | 0.1986461 | 0.27408279 | 2.3471898 | 21 | 9 28.5 | 18.9 |
| 35983 1999 $NG_{5}$ | 13.9 | X | 291.33243 | 149.90176 | 126.23600 | 11.73184 | 0.2225245 | 0.21343941 | 2.7730198 | 21 | 2 26.7 | 18.1 |
| 35984 1999 $NK_{7}$ | 14.5 | X | 49.06956 | 356.50214 | 303.46139 | 9.66396 | 0.1878920 | 0.18544791 | 3.0454730 | 21 | 10 19.9 | 18.8 |
| 35985 1999 $NJ_{8}$ | 14.1 | X | 269.96517 | 157.37680 | 125.40212 | 9.92177 | 0.1209440 | 0.21042797 | 2.7994136 | 21 | 2 23.9 | 18.3 |
| 35986 1999 $NL_{8}$ | 13.1 | X | 258.05710 | 277.71736 | 134.84570 | 20.51163 | 0.1573042 | 0.17650164 | 3.1475325 | 21 | 7 18.7 | 17.8 |
| 35987 1999 $NV_{8}$ | 15.1 | X | 116.74096 | 355.30618 | 284.47906 | 1.46469 | 0.1662376 | 0.23641893 | 2.5902870 | 21 | 12 13.6 | 19.1 |
| 35988 1999 $NO_{9}$ | 13.6 | X | 70.87900 | 102.07678 | 297.49509 | 7.68064 | 0.0440938 | 0.19828183 | 2.9125995 | 21 | — | — |
| 35989 1999 $NF_{10}$ | 14.4 | X | 256.59569 | 229.63583 | 108.25448 | 1.02998 | 0.2595281 | 0.16936014 | 3.2354045 | 21 | 4 7.7 | 19.6 |
| 35990 1999 $NG_{10}$ | 14.2 | X | 223.68927 | 256.20717 | 314.54687 | 11.48390 | 0.1147914 | 0.24116777 | 2.5561708 | 21 | — | — |
| 35991 1999 $NN_{11}$ | 15.1 | X | 153.71217 | 115.49078 | 128.00291 | 4.90275 | 0.1635291 | 0.28187474 | 2.3037320 | 21 | 12 9.4 | 18.7 |
| 35992 1999 $NF_{12}$ | 14.5 | X | 49.65618 | 211.29695 | 136.11299 | 3.14828 | 0.0889523 | 0.18948556 | 3.0020549 | 21 | 12 9.6 | 18.7 |
| 35993 1999 $NS_{17}$ | 14.9 | X | 77.43436 | 209.84466 | 19.56473 | 2.55809 | 0.1853338 | 0.27327650 | 2.3518044 | 21 | 9 8.3 | 17.9 |
| 35994 1999 $NS_{18}$ | 14.6 | X | 109.84945 | 264.79871 | 340.54153 | 3.31692 | 0.1165943 | 0.27824995 | 2.3236960 | 21 | 10 26.8 | 17.9 |
| 35995 1999 $NK_{20}$ | 15.8 | X | 82.83958 | 126.97701 | 89.53101 | 3.23168 | 0.1605204 | 0.27190297 | 2.3597179 | 21 | 8 25.1 | 18.8 |
| 35996 1999 $NN_{20}$ | 15.3 | X | 74.37209 | 274.12922 | 321.92711 | 2.64504 | 0.2067929 | 0.22843677 | 2.6502817 | 21 | 9 11.4 | 19.1 |
| 35997 1999 $NQ_{20}$ | 14.3 | X | 321.59257 | 210.16626 | 103.91529 | 11.66800 | 0.2147494 | 0.17729680 | 3.1381145 | 21 | 5 31.9 | 18.1 |
| 35998 1999 $NP_{21}$ | 14.3 | X | 325.05189 | 163.77585 | 84.66541 | 7.18087 | 0.0947785 | 0.26011590 | 2.4304766 | 21 | 3 19.1 | 17.3 |
| 35999 1999 $NB_{22}$ | 14.7 | X | 278.08424 | 190.33238 | 107.98991 | 10.05327 | 0.1301793 | 0.21447043 | 2.7641256 | 21 | 3 25.5 | 18.9 |
| 36000 1999 $NV_{22}$ | 15.1 | X | 188.24030 | 114.75336 | 121.43492 | 5.43065 | 0.1072171 | 0.28667318 | 2.2779526 | 21 | — | — |