Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72001 2000 WX_{188}	16.1	X	174.80505	210.80347	262.48701	1.60573	0.1080606	0.26901459	2.3765785	21	7 13.2	19.6
72002 2000 WP_{191}	15.4	X	167.54196	105.48116	127.25993	7.05144	0.0781627	0.28536530	2.2849074	21	12 14.7	18.5
72003 2000 XP_{2}	16.0	X	283.49167	198.96574	343.67037	7.24657	0.0382553	0.29351479	2.2424153	21	—	—
72004 2000 XS_{3}	14.9	X	261.21985	163.17104	2.01550	12.90522	0.1808051	0.23740108	2.5831379	21	12 17.3	18.3
72005 2000 XV_{6}	15.5	X	290.68150	168.05773	310.46812	6.44407	0.0467018	0.28340261	2.2954446	21	12 30.0	18.1
72006 2000 XJ_{7}	15.9	X	133.33715	68.57573	0.44750	5.42968	0.1051967	0.30418722	2.1896536	21	3 22.7	18.5
72007 2000 XM_{7}	16.1	X	130.27698	68.31763	324.40668	6.65064	0.1580922	0.30018208	2.2090873	21	2 5.4	18.5
72008 2000 XV_{7}	14.6	X	258.68798	236.72548	285.13267	21.61777	0.1463239	0.28201840	2.3029495	21	12 28.3	17.0
72009 2000 XF_{8}	16.0	X	97.79189	32.31023	344.41096	6.51278	0.1821949	0.29355689	2.2422009	21	—	—
72010 2000 XZ_{8}	15.9	X	124.43995	352.19084	19.44770	7.95469	0.1499359	0.29465100	2.2366470	21	—	—
72011 2000 XL_{10}	14.8	X	343.92101	201.81460	51.02000	15.41790	0.0781180	0.25609464	2.4558531	21	4 25.9	17.7
72012 Terute	15.6	X	246.61159	123.81465	323.90524	5.25818	0.0749055	0.27316440	2.3524477	21	9 4.6	18.4
72013 2000 XN_{11}	14.7	X	324.16266	83.73912	66.59046	18.79512	0.1437105	0.23852121	2.5750443	21	—	—
72014 2000 XD_{12}	16.2	X	214.83270	75.33847	12.80850	7.03737	0.0885789	0.26940773	2.3742659	21	7 27.9	19.5
72015 2000 XC_{13}	14.5	X	108.25268	308.83981	229.75532	11.64095	0.1570594	0.21332134	2.7740429	21	7 26.8	18.9
72016 2000 XF_{13}	14.7	X	2.09103	69.32310	27.76033	13.80404	0.1272777	0.23776657	2.5804900	21	—	—
72017 2000 XK_{13}	14.8	X	250.46072	325.33384	30.83661	13.31557	0.2512821	0.26134978	2.4228208	21	4 18.7	18.6
72018 2000 XN_{13}	14.2	X	52.67794	41.71412	32.05147	13.80128	0.1450767	0.24129809	2.5552504	21	—	—
72019 2000 XV_{14}	14.4	X	219.14613	122.57824	8.45630	14.44747	0.1390012	0.21893471	2.7264214	21	9 19.9	18.5
72020 2000 XH_{15}	15.5	X	278.11557	121.06035	23.85996	24.23515	0.1599943	0.27834920	2.3231436	21	—	—
72021 Yisunji	15.9	X	247.55209	341.71509	83.05575	7.08822	0.1309135	0.27098310	2.3650550	21	7 29.5	19.1
72022 2000 XE_{22}	15.6	X	359.50591	348.47971	332.59216	6.77732	0.1421440	0.27426652	2.3461414	21	9 5.3	17.4
72023 2000 XE_{27}	15.9	X	135.78436	315.39098	29.99447	7.07161	0.0972675	0.29341823	2.2429073	21	—	—
72024 2000 XY_{28}	15.8	X	141.54355	59.33779	350.16157	5.16992	0.1114306	0.30199432	2.2002407	21	3 7.5	18.2
72025 2000 XE_{29}	16.3	X	105.61795	0.57953	38.14602	7.54937	0.1557856	0.29629336	2.2283741	21	1 9.0	18.5
72026 2000 XO_{29}	15.8	X	11.61086	338.48551	24.70308	10.31378	0.1499197	0.27959806	2.3162208	21	12 3.2	18.3
72027 2000 XX_{29}	15.8	X	68.65966	29.39097	31.34745	7.25875	0.0656297	0.29276589	2.2462378	21	—	—
72028 2000 XH_{30}	15.8	X	297.01103	145.68862	322.54835	5.15967	0.0853213	0.28273515	2.2990558	21	12 22.9	18.0
72029 2000 XY_{31}	15.9	X	316.17572	131.28222	25.10841	9.28870	0.1506645	0.28923627	2.2644751	21	—	—
72030 2000 XK_{33}	15.4	X	177.02144	44.03798	34.47874	13.22027	0.0490514	0.26109002	2.4244275	21	5 25.5	18.9
72031 2000 XO_{34}	14.5	X	290.65350	129.04863	38.35472	13.53901	0.0947637	0.23796105	2.5790839	21	—	—
72032 2000 XF_{35}	14.2	X	265.96045	238.21997	359.09478	12.44710	0.2171495	0.24223351	2.5486678	21	—	—
72033 2000 XQ_{35}	14.8	X	347.59841	86.00297	49.63532	15.78027	0.0582324	0.24119037	2.5560111	21	—	—
72034 2000 XS_{35}	14.5	X	122.10859	207.68867	18.02468	24.88509	0.1989980	0.27680239	2.3317903	21	10 17.2	18.2
72035 2000 XR_{38}	15.3	X	23.30179	243.22277	298.47728	6.20202	0.0671639	0.30333345	2.1937603	21	3 4.4	17.6
72036 2000 XM_{44}	14.5	X	255.46445	108.20543	32.40547	22.59439	0.2764697	0.27813953	2.3243110	21	10 29.1	17.3
72037 Castelldefels	15.6	X	130.29717	3.69464	37.90659	4.43957	0.1852071	0.30122805	2.2039705	21	2 23.3	18.3
72038 2000 XM_{48}	16.0	X	341.24468	349.23559	18.58779	9.70270	0.1087272	0.27647191	2.3336481	21	10 11.9	18.2
72039 2000 XG_{49}	15.5	X	138.52521	322.84357	22.20688	7.29169	0.1520110	0.29166332	2.2518952	21	—	—
72040 2000 XH_{50}	14.7	X	180.08965	118.96597	81.84245	10.37807	0.1518242	0.22265518	2.6959646	21	11 6.8	19.1
72041 2000 XX_{53}	15.8	X	22.38654	357.15190	231.71418	3.42489	0.0391515	0.26302337	2.4125324	21	5 21.7	18.5
72042 Dequeiroz	15.3	X	173.67133	241.01528	265.36797	1.19372	0.1400511	0.26768778	2.3844251	21	8 24.8	18.8
72043 2000 YR_{2}	15.1	X	125.37300	195.93861	30.78241	7.14963	0.1505747	0.27149893	2.3620584	21	10 21.4	18.8
72044 2000 YH_{5}	16.0	X	66.34280	285.61993	76.82259	6.18841	0.2660237	0.28802655	2.2708112	21	—	—
72045 2000 YJ_{6}	14.8	X	343.28172	110.70924	47.37100	4.50051	0.0967702	0.29367143	2.2416179	21	—	—
72046 2000 YV_{6}	15.3	X	104.45399	101.39294	298.29476	6.96145	0.1291075	0.29586759	2.2305114	21	1 3.5	17.5
72047 2000 YZ_{6}	15.8	X	200.90723	199.20822	321.56072	4.28957	0.1613452	0.27324648	2.3519766	21	10 7.6	19.3
72048 2000 YC_{7}	15.6	X	96.12154	72.05811	74.46426	7.17756	0.0599307	0.25863561	2.4397416	21	5 19.0	18.5
72049 2000 YH_{7}	15.9	X	278.48285	104.42766	315.39442	4.86720	0.0657355	0.27164657	2.3612025	21	9 11.5	18.8
72050 2000 YM_{7}	15.6	X	58.42228	233.86135	325.69112	5.65630	0.0781555	0.26097837	2.4251189	21	6 9.3	18.4
72051 2000 YS_{7}	15.2	X	233.59638	39.05259	143.93372	4.92850	0.2015889	0.23332572	2.6131297	21	12 2.3	18.9
72052 2000 YW_{7}	15.4	X	248.63079	335.83171	13.51092	6.83916	0.1106410	0.25984765	2.4321490	21	4 18.5	18.8
72053 2000 YX_{7}	15.7	X	142.42061	300.24808	43.82844	7.93184	0.2167381	0.29438483	2.2379949	21	—	—
72054 2000 YB_{8}	15.7	X	147.68323	122.17103	309.52371	5.79359	0.1040854	0.25736445	2.4477685	21	4 15.1	19.3
72055 2000 YF_{8}	15.8	X	344.92762	326.82741	127.50000	2.79303	0.1339166	0.28444681	2.2898235	21	—	—
72056 2000 YT_{8}	15.9	X	166.92821	226.12753	132.39258	2.37223	0.1723796	0.29900184	2.2148967	21	2 4.2	19.1
72057 2000 YS_{9}	15.0	X	19.52219	164.42521	58.04476	7.96830	0.1009097	0.25624268	2.4549072	21	5 10.0	17.4
72058 2000 YC_{15}	16.1	X	127.90632	352.70231	168.43514	2.80558	0.1123001	0.26478123	2.4018428	21	7 25.6	19.4
72059 Heojun	15.6	X	29.73537	280.23150	17.12710	10.72255	0.1331958	0.27168989	2.3609515	21	9 28.1	18.0
72060 Hohhot	15.4	X	150.93083	322.86507	160.05548	2.32179	0.1358002	0.26167238	2.4208291	21	7 1.5	19.0
72061 2000 YX_{16}	15.5	X	139.55991	260.71078	104.59951	6.96344	0.1879128	0.29587795	2.2304594	21	1 16.1	18.1
72062 2000 YR_{17}	15.4	X	21.70331	330.16006	263.89224	5.27273	0.0660946	0.26239483	2.4163835	21	5 29.0	17.9
72063 2000 YD_{18}	16.0	X	30.61229	236.02023	159.99041	6.46317	0.0974028	0.28744825	2.2738559	21	—	—
72064 2000 YG_{19}	16.2	X	205.39293	176.23504	42.97508	2.52588	0.0955228	0.28427371	2.2907530	21	—	—
72065 2000 YM_{20}	16.0	X	15.58692	181.63195	265.59709	4.67385	0.1777265	0.28891984	2.2661282	21	—	—
72066 2000 YX_{21}	14.1	X	249.86358	102.79568	95.40129	15.70883	0.0513733	0.23675617	2.5878266	21	—	—
72067 2000 YX_{26}	14.3	X	18.79983	9.89742	189.41429	16.62030	0.1647803	0.20287347	2.8684847	21	4 13.0	17.3
72068 2000 YC_{29}	15.9	X	73.63259	34.93150	59.44107	3.86178	0.1414464	0.29544166	2.2326547	21	2 1.8	17.7
72069 2000 YD_{29}	15.8	X	102.94522	88.24131	319.18865	2.51478	0.1634589	0.29502982	2.2347320	21	1 18.1	17.7
72070 2000 YC_{33}	16.0	X	108.62232	43.98321	319.21659	0.76784	0.1584696	0.29176966	2.2513480	21	—	—
72071 Gábor	15.9	X	220.42528	239.58220	232.01705	4.84930	0.1354759	0.27009206	2.3702537	21	8 26.2	19.3
72072 2000 YS_{34}	14.9	X	13.69252	326.49791	140.23357	9.82301	0.2094354	0.23924133	2.5698744	21	—	—
72073 2000 YE_{35}	15.7	X	20.12817	125.57195	327.25430	5.99447	0.2064115	0.28682805	2.2771325	21	—	—
72074 2000 YV_{35}	15.2	X	116.38472	32.46645	125.97439	6.64306	0.1691523	0.26158422	2.4213729	21	7 15.0	18.6
72075 2000 YN_{36}	15.4	X	295.41196	39.40506	122.60954	5.34457	0.1115172	0.23845077	2.5755514	21	—	—
72076 2000 YO_{37}	16.1	X	220.25191	276.71636	167.12235	1.30299	0.1553912	0.26784774	2.3834757	21	7 19.8	19.6
72077 2000 YA_{38}	15.8	X	124.65221	344.09456	144.72486	1.09272	0.1007952	0.30865343	2.1684794	21	6 4.9	18.5
72078 2000 YJ_{39}	15.6	X	100.47589	127.39571	286.10978	7.12191	0.1635387	0.29746046	2.2225415	21	1 21.0	17.6
72079 2000 YR_{39}	15.8	X	211.08793	331.93813	123.90273	6.75955	0.0662028	0.26732427	2.3865862	21	8 2.7	19.1
72080 2000 YY_{39}	15.7	X	142.27217	103.96928	123.32079	5.88968	0.1382672	0.27407239	2.3472491	21	11 9.4	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72081 2000 YZ_{39}	16.1	X	198.55647	244.36790	207.65623	1.51750	0.1621973	0.26560702	2.3968619	21	7 8.3	19.8
72082 2000 YG_{40}	16.2	X	342.97228	152.26139	245.18938	2.51076	0.2360468	0.28027719	2.3124776	21	12 15.6	17.6
72083 2000 YP_{40}	16.2	X	24.98508	254.71938	142.56858	3.82839	0.0925336	0.28396309	2.2924232	21	—	—
72084 2000 YB_{41}	15.7	X	155.71252	310.65333	277.08161	5.91653	0.0837534	0.27724388	2.3293142	21	11 21.8	19.1
72085 2000 YH_{41}	16.0	X	320.06751	170.42385	235.38926	3.47768	0.1322635	0.27666201	2.3325790	21	10 28.4	18.0
72086 2000 YM_{41}	15.7	X	159.19738	270.02794	274.62543	5.96785	0.0570767	0.27126737	2.3634025	21	9 27.0	19.0
72087 2000 YP_{41}	17.0	X	3.85790	1.66841	92.53778	2.88601	0.1691319	0.28837685	2.2689719	21	—	—
72088 2000 YZ_{41}	15.4	X	327.58330	21.98451	110.40276	4.56529	0.1084238	0.28760378	2.2730361	21	—	—
72089 2000 YP_{43}	15.8	X	281.18633	311.43767	124.87666	4.89257	0.0414063	0.27406889	2.3472691	21	10 17.8	18.5
72090 2000 YL_{45}	15.5	X	339.21097	219.31626	129.93375	7.38333	0.2184525	0.27281761	2.3544408	21	9 9.2	16.9
72091 2000 YY_{45}	15.7	X	109.80030	212.14177	139.18944	5.79310	0.1403534	0.28928976	2.2641959	21	—	—
72092 2000 YD_{46}	16.5	X	236.76659	289.97403	207.87777	1.53849	0.1000387	0.27532112	2.3401464	21	10 28.7	19.4
72093 2000 YL_{46}	16.0	X	250.57453	281.94950	117.63559	2.12793	0.1865230	0.26728499	2.3868200	21	6 19.9	19.4
72094 2000 YM_{47}	14.5	X	146.57958	314.31695	281.33367	13.04062	0.1402846	0.22662388	2.6643970	21	11 13.4	18.9
72095 2000 YY_{47}	15.0	X	187.82690	354.39247	268.85482	7.76615	0.1410652	0.23640662	2.5903769	21	—	—
72096 2000 YA_{48}	16.0	X	162.00092	244.45022	102.20518	4.35092	0.2090687	0.29744585	2.2226143	21	1 19.2	19.0
72097 2000 YL_{49}	15.1	X	241.23429	165.64009	283.30336	5.54246	0.0934778	0.26998559	2.3708768	21	8 25.6	18.2
72098 2000 YY_{49}	15.6	X	301.32832	275.76788	93.93062	6.73998	0.1365008	0.26990153	2.3713691	21	7 26.9	18.0
72099 2000 YQ_{50}	15.8	X	287.21883	15.17258	133.49547	5.57463	0.0671318	0.28322528	2.2964027	21	—	—
72100 2000 YA_{51}	16.2	X	353.93610	241.03119	123.77905	7.38174	0.1516987	0.27555088	2.3388454	21	11 8.3	18.4
72101 2000 YB_{51}	16.3	X	291.80319	275.30463	136.26113	2.93293	0.1915821	0.27351756	2.3504224	21	9 2.9	18.7
72102 2000 YB_{52}	15.8	X	82.46490	275.66300	294.08167	1.81588	0.1119905	0.26330224	2.4108287	21	8 5.5	18.7
72103 2000 YK_{52}	15.7	X	278.02728	101.52458	304.92393	2.73100	0.1711710	0.27138603	2.3627134	21	8 5.9	18.3
72104 2000 YU_{52}	16.1	X	129.76796	95.07693	92.51521	2.60041	0.1662663	0.26578010	2.3958212	21	9 6.9	19.7
72105 2000 YO_{53}	15.7	X	97.31047	285.14436	286.87590	1.81408	0.1241073	0.26510417	2.3998919	21	8 29.2	18.9
72106 2000 YD_{54}	15.5	X	209.41052	159.98112	292.58235	5.13432	0.1111689	0.26634404	2.3924382	21	7 23.1	19.0
72107 2000 YL_{54}	15.9	X	240.70511	199.48848	322.23291	2.28958	0.1364583	0.22994714	2.6386637	21	11 20.7	19.6
72108 2000 YT_{54}	15.6	X	191.41569	100.29517	293.97351	3.81693	0.0937702	0.25710136	2.4494381	21	4 14.9	19.3
72109 2000 YF_{55}	15.2	X	48.04092	185.20012	103.27391	6.27084	0.0035936	0.22182538	2.7026837	21	9 19.3	18.9
72110 2000 YR_{55}	15.8	X	50.93247	76.08298	253.84022	5.55379	0.1545958	0.27953163	2.3165877	21	12 15.6	18.7
72111 2000 YH_{56}	16.5	X	26.89410	291.10541	160.55026	2.23273	0.0998586	0.29061492	2.2573078	21	—	—
72112 2000 YX_{57}	16.7	X	183.89496	41.53906	128.18538	1.14511	0.1595714	0.27180948	2.3602589	21	10 4.8	20.2
72113 2000 YO_{58}	16.1	X	351.24780	174.93191	252.85480	0.88884	0.1661963	0.28333225	2.2958246	21	—	—
72114 2000 YJ_{60}	14.9	X	25.11429	85.16547	122.70423	5.16509	0.1808602	0.25377046	2.4708251	21	5 3.6	17.0
72115 2000 YQ_{61}	14.6	X	121.47619	300.27809	287.02835	11.86046	0.1226833	0.22159757	2.7045357	21	10 5.1	19.0
72116 2000 YS_{62}	15.7	X	112.63150	235.20588	293.94836	4.71903	0.1276223	0.26096455	2.4252045	21	7 20.7	19.0
72117 2000 YU_{62}	15.8	X	349.96194	283.29931	118.29875	4.54359	0.1060366	0.27879831	2.3206481	21	12 18.1	18.1
72118 2000 YK_{63}	15.7	X	223.35528	95.25771	330.30915	1.49215	0.1282452	0.26465075	2.4026322	21	7 1.1	19.2
72119 2000 YL_{63}	14.9	X	101.06955	275.48180	295.59671	7.67670	0.1592494	0.26358753	2.4090888	21	9 2.7	18.6
72120 2000 YP_{63}	15.6	X	133.57688	12.85731	110.64171	2.90194	0.1237652	0.25852874	2.4404140	21	6 12.7	19.1
72121 2000 YT_{63}	15.9	X	352.86973	98.21068	308.34510	6.14495	0.1084520	0.27903210	2.3193517	21	12 30.8	18.3
72122 2000 YV_{63}	15.8	X	260.34489	271.76862	131.31690	6.07791	0.0693171	0.26679261	2.3897558	21	7 23.2	18.9
72123 2000 YP_{65}	15.0	X	133.20201	309.46893	259.10593	4.62717	0.1551769	0.22291188	2.6938944	21	9 29.4	19.4
72124 2000 YX_{67}	15.0	X	204.01077	243.95028	290.87842	7.91227	0.1864844	0.22342548	2.6897644	21	10 19.6	19.5
72125 2000 YP_{68}	16.0	X	191.13373	337.29163	163.13040	2.36513	0.1511359	0.26597645	2.3946420	21	9 3.4	19.4
72126 2000 YQ_{68}	14.5	X	160.70716	247.07646	311.16187	7.22515	0.0985092	0.22018933	2.7160548	21	10 10.5	18.8
72127 2000 YS_{71}	15.6	X	28.37660	100.07158	253.81845	5.98934	0.1440332	0.28183298	2.3039595	21	12 17.4	18.2
72128 2000 YW_{72}	16.6	X	148.35366	255.98354	121.79693	3.98252	0.1999140	0.30115330	2.2043352	21	2 12.8	19.6
72129 2000 YP_{73}	16.0	X	9.87421	252.73292	117.57304	7.12719	0.1301543	0.28100377	2.3084898	21	12 10.9	18.5
72130 2000 YV_{74}	15.0	X	219.28535	90.93591	93.20124	9.30809	0.1097825	0.23319870	2.6140786	21	11 29.6	18.8
72131 2000 YA_{75}	15.5	X	273.55924	55.19653	97.93431	5.82497	0.0485230	0.28507905	2.2864367	21	—	—
72132 2000 YY_{75}	16.1	X	155.17981	46.01547	290.49966	3.48789	0.1885841	0.29679531	2.2258609	21	—	—
72133 2000 YB_{77}	15.6	X	52.22226	205.50647	96.40104	7.93602	0.1221075	0.27689480	2.3312715	21	11 7.6	18.5
72134 2000 YL_{77}	15.6	X	282.52175	291.97344	285.05500	3.00579	0.0806742	0.29407217	2.2395810	21	—	—
72135 2000 YS_{79}	16.0	X	160.64265	278.80732	253.58285	1.29153	0.1406210	0.27015489	2.3698862	21	9 14.8	19.5
72136 2000 YG_{80}	15.6	X	293.43374	230.78619	283.61949	4.79704	0.0962713	0.28652528	2.2787364	21	—	—
72137 2000 YT_{81}	16.0	X	303.32062	160.70894	200.31467	1.63690	0.2354716	0.27251773	2.3561677	21	6 27.9	18.3
72138 2000 YQ_{84}	15.8	X	339.96952	205.33898	241.28183	3.60956	0.1021000	0.28474801	2.2882085	21	—	—
72139 2000 YS_{84}	14.8	X	130.30248	350.12241	124.86711	3.86334	0.1352187	0.25966951	2.4332613	21	5 30.2	18.2
72140 2000 YD_{85}	14.4	X	101.72649	335.98186	262.17127	13.00786	0.2487604	0.22159075	2.7045912	21	10 10.7	19.1
72141 2000 YL_{85}	15.3	X	116.49871	66.92133	118.26885	7.26224	0.0472131	0.26661957	2.3907897	21	8 8.2	18.3
72142 2000 YS_{85}	15.6	X	332.05354	337.52978	140.41696	5.23031	0.0836099	0.28687728	2.2768720	21	—	—
72143 2000 YQ_{86}	15.9	X	254.80940	310.33169	133.17697	5.73857	0.1979533	0.27251867	2.3561623	21	8 23.6	19.1
72144 2000 YZ_{86}	15.9	X	139.13399	97.77431	290.46873	4.55634	0.1243275	0.29974903	2.2112144	21	2 4.4	18.7
72145 2000 YD_{87}	15.4	X	114.72851	346.82418	95.30377	7.30216	0.1066706	0.25437430	2.4669134	21	3 27.6	18.7
72146 2000 YV_{87}	16.2	X	220.24456	11.94055	112.99544	3.40917	0.1131273	0.27259890	2.3557000	21	9 19.9	19.4
72147 2000 YP_{90}	15.8	X	352.10470	261.94214	85.19692	4.54159	0.1730775	0.27419575	2.3465451	21	10 8.4	17.6
72148 2000 YY_{91}	16.1	X	321.96451	72.51194	307.71076	2.08007	0.1728414	0.27405468	2.3473503	21	9 17.3	17.9
72149 2000 YX_{92}	15.7	X	255.46322	313.21165	82.89722	3.18831	0.1270322	0.26620767	2.3932552	21	6 28.3	18.8
72150 2000 YO_{93}	15.4	X	272.08914	233.22093	87.88797	7.45667	0.1325697	0.26033972	2.4290834	21	4 10.6	18.9
72151 2000 YL_{96}	15.3	X	302.13507	340.59355	162.51427	2.67501	0.0760613	0.23590518	2.5940464	21	—	—
72152 2000 YY_{96}	16.3	X	221.24465	135.82617	314.80216	0.75932	0.1515017	0.26733516	2.3865213	21	7 30.6	19.8
72153 2000 YE_{97}	16.0	X	316.89865	43.98635	13.13638	0.88621	0.1585748	0.27681634	2.3317120	21	11 8.0	17.8
72154 2000 YY_{97}	16.0	X	324.96449	130.72988	310.28751	0.72963	0.1694588	0.28034735	2.3120918	21	—	—
72155 2000 YM_{98}	15.1	X	170.73402	265.46052	302.96868	2.68618	0.1490649	0.22423378	2.6832967	21	11 3.6	19.3
72156 2000 YJ_{99}	15.5	X	48.13524	67.36481	276.12211	3.26653	0.2694052	0.28012444	2.3133182	21	—	—
72157 2000 YR_{99}	16.3	X	275.49241	115.98728	287.92158	1.28288	0.2064715	0.27004835	2.3705095	21	7 23.6	19.3
72158 2000 YU_{99}	16.1	X	212.79673	296.58030	111.68082	4.66317	0.2005418	0.26218411	2.4176781	21	5 25.5	20.1
72159 2000 YY_{101}	15.7	X	203.27150	304.19279	167.02550	7.68673	0.0583240	0.26733586	2.3865172	21	8 13.5	19.1
72160 2000 YH_{102}	15.7	X	310.63441	296.45141	192.22668	6.39874	0.0471737	0.28356560	2.2945650	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72161 2000 YZ_{102}	13.8	X	195.13519	72.09473	147.35799	16.87675	0.2035359	0.18075110	3.0980048	21	12 3.9	19.2
72162 2000 YK_{103}	14.9	X	284.02272	311.33759	165.71765	9.14927	0.0663945	0.22935345	2.6432152	21	12 4.1	18.3
72163 2000 YG_{104}	14.7	X	36.91780	268.60463	127.47297	15.03088	0.0865281	0.23161372	2.6259908	21	—	—
72164 2000 YL_{104}	14.6	X	1.91753	193.56137	344.34935	13.21880	0.1096797	0.24397306	2.5365385	21	2 7.5	17.5
72165 2000 YJ_{105}	14.6	X	52.54363	30.05117	64.60007	5.93962	0.2338169	0.24204334	2.5500026	21	1 13.1	16.5
72166 2000 YL_{105}	14.8	X	267.41819	17.91614	113.88223	4.88727	0.1584155	0.22750081	2.6575458	21	11 15.9	18.1
72167 2000 YX_{106}	14.7	X	106.26904	163.21357	79.31283	14.90417	0.1624474	0.22581662	2.6707431	21	10 25.2	19.1
72168 2000 YL_{107}	16.2	X	30.44238	22.69760	359.73066	1.56095	0.2140370	0.28509312	2.2863615	21	—	—
72169 2000 YW_{107}	15.8	X	125.46161	7.34814	83.37818	5.94724	0.0812681	0.25586204	2.4573413	21	4 16.8	19.1
72170 2000 YU_{108}	15.7	X	301.40364	310.62292	69.20791	3.77070	0.2401916	0.27278954	2.3546024	21	7 24.1	18.1
72171 2000 YW_{108}	14.7	X	291.67356	96.94384	55.51094	2.61925	0.1348126	0.23619961	2.5918902	21	—	—
72172 2000 YB_{109}	16.0	X	0.87206	297.92407	91.06570	5.41675	0.1695361	0.28073091	2.3099854	21	12 28.2	18.2
72173 2000 YC_{109}	16.2	X	324.67995	109.24068	31.33137	1.79263	0.1256325	0.28745397	2.2738257	21	—	—
72174 2000 YO_{109}	15.3	X	331.53819	56.20307	300.48399	7.42532	0.1536543	0.27203582	2.3589496	21	8 29.9	17.4
72175 2000 YD_{110}	15.3	X	233.92581	160.87946	47.58229	3.45709	0.1266360	0.23478360	2.6023011	21	—	—
72176 2000 YQ_{110}	15.9	X	342.09207	268.80899	87.28295	6.91651	0.0990722	0.27218714	2.3580752	21	9 29.1	18.3
72177 2000 YR_{110}	16.0	X	256.06750	0.12858	63.30747	3.55877	0.1586891	0.26988739	2.3714519	21	8 3.3	19.2
72178 2000 YE_{113}	15.8	X	65.52225	98.84014	302.05567	6.33958	0.1283774	0.28944887	2.2633661	21	—	—
72179 2000 YH_{113}	16.0	X	188.91034	358.13232	21.80322	1.72616	0.1532113	0.30372671	2.1918663	21	3 24.2	19.2
72180 2000 YT_{114}	16.0	X	140.89258	180.14688	19.91754	2.85714	0.1086558	0.26951653	2.3736268	21	10 1.2	19.5
72181 2000 YU_{115}	15.9	X	103.61981	339.98900	93.39666	4.70297	0.1337279	0.29753957	2.2221475	21	2 22.5	18.2
72182 2000 YZ_{115}	15.9	X	210.27444	10.00134	72.60321	3.45105	0.1533616	0.26455812	2.4031930	21	7 8.4	19.5
72183 2000 YB_{117}	15.4	X	229.78666	33.87866	85.66372	3.27595	0.1559165	0.27027638	2.3691760	21	9 18.6	18.7
72184 2000 YH_{117}	15.4	X	199.48494	323.23540	71.33779	4.98220	0.1766786	0.30552470	2.1832585	21	4 24.3	18.8
72185 2000 YK_{117}	15.1	X	67.91652	118.81933	100.20105	5.75326	0.1661103	0.26037766	2.4288475	21	8 8.5	18.0
72186 2000 YH_{118}	14.3	X	102.65420	269.46089	322.20235	7.73816	0.1269831	0.21758776	2.7376615	21	9 24.2	18.4
72187 2000 YM_{120}	15.5	X	308.91398	59.60202	44.21929	5.02289	0.0930242	0.28019954	2.3129049	21	—	—
72188 2000 YU_{120}	13.9	X	158.16489	60.75834	142.05899	13.54134	0.1164176	0.22352419	2.6889725	21	10 22.4	18.3
72189 2000 YA_{121}	15.6	X	249.19628	252.00713	276.29356	5.85184	0.0945501	0.28364776	2.2941218	21	12 29.8	18.2
72190 2000 YG_{124}	15.8	X	250.63448	73.61075	85.42751	5.44720	0.0586978	0.28444274	2.2898453	21	12 24.6	18.2
72191 2000 YT_{125}	14.5	X	85.39036	133.75169	83.57992	14.91837	0.1460854	0.21451626	2.7637319	21	8 28.7	18.7
72192 2000 YZ_{125}	15.5	X	226.20399	133.61600	37.26282	7.69183	0.0753246	0.27790950	2.3255934	21	12 1.5	18.5
72193 2000 YX_{127}	15.9	X	229.91300	14.19766	330.90385	1.38513	0.1752485	0.25701281	2.4500007	21	3 21.9	19.8
72194 2000 YA_{128}	15.3	X	135.51150	185.82806	98.49718	5.43670	0.1017130	0.23366284	2.6106158	21	—	—
72195 2000 YD_{128}	15.9	X	278.69565	352.00099	31.90029	2.94005	0.2070347	0.26816770	2.3815795	21	6 29.4	18.9
72196 2000 YO_{128}	15.3	X	60.74707	295.97494	94.79244	7.50772	0.0987224	0.28621720	2.2803713	21	—	—
72197 2000 YT_{128}	16.0	X	50.16995	307.15432	63.98004	5.14556	0.1628959	0.28308498	2.2971613	21	—	—
72198 2000 YY_{129}	15.9	X	107.89172	31.65630	262.27445	9.65448	0.0537750	0.28254925	2.3000641	21	12 24.6	18.8
72199 2000 YM_{132}	14.8	X	200.07023	184.16180	314.32411	11.53713	0.1442913	0.21736472	2.7395339	21	9 3.7	19.2
72200 2000 YQ_{132}	14.5	X	149.35839	190.81840	305.18379	15.63164	0.1754004	0.21075624	2.7965060	21	7 19.8	19.0
72201 2000 YX_{132}	16.2	X	213.61448	348.59057	52.63353	1.81574	0.1518868	0.26081594	2.4261257	21	5 17.9	19.8
72202 2000 YY_{132}	14.9	X	8.61021	339.26263	318.58158	8.56371	0.1067080	0.21636128	2.7479976	21	8 11.3	18.0
72203 2000 YJ_{133}	15.0	X	355.96881	301.81290	169.02862	14.98002	0.1238361	0.24255316	2.5464281	21	—	—
72204 2000 YV_{133}	15.7	X	352.33879	262.14186	88.76741	5.15447	0.2958718	0.27521363	2.3407557	21	10 31.9	16.9
72205 2000 YO_{137}	15.7	X	57.81322	237.12071	201.26342	7.70577	0.1878332	0.29074432	2.2566380	21	—	—
72206 2000 YL_{139}	15.5	X	149.24104	264.25821	247.12933	4.74760	0.1686232	0.26172986	2.4204746	21	8 6.4	19.3
72207 2000 YM_{139}	15.4	X	332.65653	252.00272	264.84151	3.65615	0.1958030	0.23822322	2.5771913	21	—	—
72208 2000 YP_{139}	14.7	X	10.43149	247.05597	259.60948	14.10625	0.0320842	0.24205075	2.5499505	21	1 11.1	18.0
72209 2000 YD_{143}	15.7	X	283.37319	265.30463	167.33951	6.33612	0.1025047	0.27439047	2.3454348	21	10 5.9	18.1
72210 2001 AK	15.8	X	221.81905	206.72243	87.48336	3.48015	0.1146874	0.24438547	2.5336841	21	1 14.6	19.7
72211 2001 AS	15.6	X	43.05232	125.37658	330.52753	4.94059	0.0632732	0.24267252	2.5455931	21	—	—
72212 2001 AT	15.7	X	240.10729	25.60009	44.69102	1.99319	0.1622865	0.26705105	2.3882137	21	7 23.3	19.2
72213 2001 AU	14.8	X	49.22014	208.70469	344.77201	3.86882	0.1058656	0.20638363	2.8358671	21	5 22.9	18.3
72214 2001 AM_{3}	15.8	X	211.93832	272.65950	228.45001	4.21623	0.0142553	0.22529714	2.6748469	21	10 4.8	19.3
72215 2001 AJ_{4}	15.6	X	267.92090	300.09762	133.68747	7.29113	0.1121056	0.27200734	2.3591142	21	9 12.2	18.4
72216 2001 AG_{5}	15.6	X	130.36682	325.76597	199.16977	2.80205	0.1339126	0.26254710	2.4154492	21	8 3.9	19.3
72217 2001 AQ_{5}	15.1	X	236.77138	213.30378	279.52267	10.39333	0.1296592	0.22529826	2.6748380	21	10 5.6	19.1
72218 2001 AL_{6}	16.1	X	236.18790	194.11278	208.15442	5.84515	0.0906194	0.26463901	2.4027033	21	6 17.5	19.4
72219 2001 AC_{7}	15.8	X	105.36138	85.43894	116.00714	9.83208	0.0536631	0.26638804	2.3921747	21	8 18.2	18.9
72220 2001 AJ_{9}	16.1	X	123.19691	236.11905	155.19022	5.13422	0.1283682	0.29615612	2.2290625	21	1 19.4	18.5
72221 2001 AY_{9}	15.8	X	207.22590	151.61776	198.18171	2.71014	0.1631350	0.30193209	2.2005430	21	3 2.2	19.1
72222 2001 AD_{10}	15.8	X	325.68276	27.77133	80.39228	1.50716	0.0395167	0.23612937	2.5924041	21	—	—
72223 2001 AM_{10}	16.1	X	219.72664	199.14129	244.72225	5.80304	0.1034785	0.26639156	2.3921537	21	7 22.4	19.6
72224 2001 AN_{11}	15.7	X	123.66661	220.31259	158.17681	2.01576	0.0315639	0.24520170	2.5280582	21	—	—
72225 2001 AP_{12}	16.3	X	112.33258	236.98071	145.83454	5.47831	0.1704404	0.29344096	2.2427914	21	—	—
72226 2001 AJ_{13}	15.9	X	257.52390	290.65180	196.67010	2.75944	0.1857468	0.27571641	2.3379092	21	10 29.6	18.6
72227 2001 AA_{14}	16.0	X	294.47238	25.40899	95.98840	4.31034	0.1102056	0.28073025	2.3099890	21	—	—
72228 2001 AR_{14}	15.1	X	31.66424	109.76213	265.00397	9.86750	0.0582146	0.23195173	2.6234390	21	12 24.7	18.4
72229 2001 AK_{15}	15.3	X	165.38136	173.01086	282.72114	12.46576	0.0803539	0.25928239	2.4356826	21	6 8.1	18.8
72230 2001 AN_{15}	15.6	X	205.05558	325.14166	141.10943	5.24031	0.1815688	0.26603203	2.3943085	21	8 1.4	19.4
72231 2001 AC_{16}	15.7	X	173.23611	296.08532	154.27665	2.70497	0.1465487	0.26095718	2.4252502	21	6 11.9	19.5
72232 2001 AD_{16}	15.7	X	7.96910	276.47788	128.07241	7.32531	0.1151092	0.28145591	2.3060168	21	—	—
72233 2001 AJ_{16}	15.3	X	213.74207	169.00578	252.74086	2.71895	0.0679608	0.31032428	2.1606887	21	6 18.1	17.9
72234 2001 AR_{16}	14.9	X	47.49945	257.83233	300.82573	7.08864	0.1388434	0.25491589	2.4634180	21	5 28.5	17.5
72235 2001 AA_{17}	15.7	X	320.97901	327.77106	111.12626	2.28609	0.1580722	0.27859872	2.3217564	21	12 22.7	17.3
72236 2001 AD_{19}	15.0	X	358.19005	352.66963	332.39693	7.91292	0.2065842	0.21814085	2.7330320	21	9 5.1	17.3
72237 2001 AX_{20}	15.9	X	143.73994	84.89101	313.80065	3.22198	0.1012633	0.30109004	2.2046439	21	2 21.4	18.6
72238 2001 AE_{21}	16.0	X	342.74337	318.29737	179.01678	1.88074	0.1668921	0.28833268	2.2692036	21	—	—
72239 2001 AF_{21}	15.7	X	198.57700	318.17570	130.33264	7.88195	0.0620611	0.26342624	2.4100721	21	7 7.6	19.0
72240 2001 AL_{21}	15.8	X	221.25457	68.19417	339.61600	3.74396	0.0689942	0.26310076	2.4120593	21	6 8.5	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72241 2001 AN_{23}	15.4	X	291.43973	41.12807	129.80193	6.89522	0.0816946	0.23715260	2.5849419	21	—	—
72242 2001 AT_{23}	15.7	X	355.74728	84.72973	141.73750	3.47097	0.0769615	0.25337092	2.4734219	21	4 6.0	18.4
72243 2001 AW_{24}	15.7	X	230.84917	327.09194	160.48872	5.66766	0.1609853	0.27257861	2.3558169	21	9 29.5	18.9
72244 2001 AH_{25}	14.4	X	99.15526	129.00856	102.48520	10.29785	0.1032557	0.21687372	2.7436672	21	9 25.8	18.6
72245 2001 AS_{25}	15.7	X	112.51079	358.92306	3.60217	6.86214	0.1122638	0.29072236	2.2567516	21	—	—
72246 2001 AL_{26}	15.2	X	123.04980	73.92683	51.53394	7.32808	0.0742590	0.25979333	2.4324881	21	5 26.8	18.3
72247 2001 AH_{27}	16.3	X	297.58190	109.87145	22.59064	7.92554	0.1654403	0.28215373	2.3022131	21	—	—
72248 2001 AL_{28}	15.2	X	359.52209	31.89110	24.93604	24.96138	0.2420561	0.28155709	2.3054643	21	—	—
72249 2001 AX_{28}	15.8	X	40.63391	53.46368	13.39844	4.32155	0.1436747	0.29134654	2.2535272	21	—	—
72250 2001 AO_{29}	15.5	X	238.07412	91.74512	52.25730	7.73991	0.0760088	0.27808049	2.3246400	21	11 12.2	18.0
72251 2001 AJ_{31}	14.4	X	268.56736	144.96375	73.12416	11.56263	0.1508881	0.24173595	2.5521639	21	—	—
72252 2001 AQ_{31}	15.9	X	356.36938	24.36389	30.61713	2.80787	0.1709802	0.28361545	2.2942961	21	—	—
72253 2001 AT_{31}	16.0	X	4.55174	63.04129	342.15426	3.67308	0.1784144	0.28378869	2.2933622	21	—	—
72254 2001 AW_{31}	16.4	X	314.39216	9.36857	27.10929	3.45158	0.1732789	0.27591739	2.3367737	21	9 29.3	18.2
72255 2001 AZ_{31}	15.8	X	40.74629	38.78299	333.32717	5.31899	0.1069064	0.28364746	2.2941235	21	—	—
72256 2001 AQ_{32}	15.5	X	204.98377	120.74499	68.44312	6.91718	0.1257618	0.27756399	2.3275229	21	11 24.1	18.5
72257 2001 AV_{32}	15.5	X	188.16613	195.05492	349.33658	5.25435	0.1555510	0.27425771	2.3461916	21	10 25.8	19.0
72258 2001 AW_{32}	16.1	X	10.67429	75.04386	346.34756	4.52436	0.2018444	0.28611992	2.2808881	21	—	—
72259 2001 AY_{32}	15.6	X	35.12185	319.47896	68.82470	7.08709	0.1157916	0.28460920	2.2889524	21	—	—
72260 2001 AQ_{33}	15.8	X	221.88420	344.96826	34.49073	4.61566	0.1330494	0.30830822	2.1700978	21	4 25.3	19.0
72261 2001 AC_{34}	16.2	X	49.96559	358.49028	67.42739	5.67729	0.1537632	0.29054181	2.2576865	21	—	—
72262 2001 AD_{35}	15.7	X	114.79746	86.19926	54.97297	7.49164	0.0575536	0.26013010	2.4303882	21	6 4.4	18.9
72263 2001 AG_{35}	15.4	X	136.71145	351.30220	58.60131	7.07756	0.1334332	0.25267449	2.4779647	21	3 15.8	18.9
72264 2001 AE_{38}	13.6	X	0.16172	4.86477	84.54665	15.80017	0.0738292	0.23533155	2.5982600	21	—	—
72265 2001 AJ_{41}	15.9	X	113.37293	155.72793	252.42042	1.43496	0.1534865	0.24719529	2.5144476	21	2 12.2	19.1
72266 2001 AL_{41}	15.4	X	80.38091	210.17484	295.15213	6.82952	0.1060089	0.25302113	2.4757010	21	4 28.2	18.4
72267 2001 AN_{41}	15.0	X	233.41322	309.54459	307.58213	14.24947	0.0478270	0.23970032	2.5665928	21	—	—
72268 2001 AO_{41}	15.7	X	5.54204	87.86457	312.21037	3.68205	0.1224177	0.27946034	2.3169816	21	—	—
72269 2001 AQ_{41}	16.0	X	154.59353	351.26827	57.85458	1.17662	0.1476093	0.30104529	2.2048624	21	3 27.4	18.8
72270 2001 AQ_{42}	15.8	X	175.69208	17.01296	9.19987	5.60545	0.0731184	0.25374573	2.4709856	21	3 19.9	19.1
72271 2001 AS_{42}	15.8	X	120.11006	354.88177	0.24736	7.54066	0.1235406	0.29066853	2.2570302	21	—	—
72272 2001 AQ_{43}	16.0	X	250.37128	110.18238	37.05414	5.82649	0.1823126	0.27796824	2.3252658	21	11 15.8	18.6
72273 2001 AR_{44}	15.6	X	252.16415	14.58505	41.58369	3.38093	0.1620837	0.26656402	2.3911218	21	7 18.2	18.8
72274 2001 AB_{45}	14.6	X	109.60022	79.84633	114.63338	10.04022	0.0936847	0.21354581	2.7720987	21	8 16.1	18.6
72275 2001 AE_{45}	15.9	X	39.09303	351.52352	76.16428	2.85304	0.2062605	0.28809802	2.2704357	21	—	—
72276 2001 AN_{45}	15.5	X	10.65599	334.09721	50.71006	7.89751	0.1258115	0.28159250	2.3052710	21	12 31.5	18.1
72277 2001 AZ_{49}	15.1	X	135.11475	332.72458	285.79721	12.05206	0.1980423	0.22764680	2.6564094	21	12 3.3	19.6
72278 2001 AZ_{51}	15.0	X	234.49832	341.68937	129.01924	9.99924	0.2384617	0.27285132	2.3542469	21	9 2.9	18.6
72279 2001 BT	15.0	X	132.04106	135.58368	71.48403	5.78461	0.0090677	0.21950505	2.7216966	21	9 22.7	18.8
72280 2001 BJ_{2}	14.9	X	111.18269	18.23121	255.49951	12.89576	0.1425314	0.22589035	2.6701619	21	11 28.5	19.1
72281 2001 BF_{4}	15.3	X	203.60532	128.02787	35.94774	7.40291	0.0541459	0.27224059	2.3577666	21	10 27.5	18.3
72282 2001 BH_{6}	14.5	X	17.33312	138.88952	143.99509	13.41197	0.1644650	0.21695793	2.7429572	21	8 10.3	17.3
72283 2001 BT_{7}	15.9	X	304.89368	37.75870	63.16149	3.99171	0.0853588	0.27949452	2.3167927	21	12 24.7	18.1
72284 2001 BG_{8}	15.6	X	277.07385	87.02803	10.57915	4.07881	0.0542746	0.27507057	2.3415672	21	11 5.5	18.2
72285 2001 BJ_{9}	15.1	X	55.72080	91.74727	329.03152	13.88712	0.1926075	0.24150064	2.5538215	21	—	—
72286 2001 BL_{9}	15.1	X	264.87712	215.92571	343.50026	8.32883	0.2061969	0.23423940	2.6063301	21	—	—
72287 2001 BA_{11}	15.3	X	353.59792	306.29019	224.71498	14.69811	0.0894135	0.24512863	2.5285605	21	1 10.9	18.7
72288 2001 BC_{13}	14.8	X	239.46784	271.16263	253.09590	12.74397	0.1423976	0.23059250	2.6337382	21	11 21.9	18.6
72289 2001 BW_{14}	16.0	X	353.72173	230.36664	263.86438	0.24075	0.1097018	0.23957190	2.5675099	21	—	—
72290 2001 BQ_{15}	14.3	X	169.42040	274.77375	326.98885	14.87102	0.0750320	0.22776802	2.6554669	21	12 17.7	18.5
72291 2001 BA_{17}	15.1	X	140.83880	133.31938	75.54786	11.34625	0.0515093	0.22108464	2.7087172	21	10 11.1	19.2
72292 2001 BE_{22}	16.0	X	183.19930	234.01302	309.95431	4.69708	0.1731993	0.27230730	2.3573814	21	10 18.7	19.8
72293 2001 BH_{22}	16.2	X	212.35036	33.59042	110.24548	2.90875	0.1313099	0.27348936	2.3505839	21	10 4.1	19.4
72294 2001 BG_{23}	15.9	X	202.52758	6.83881	45.64527	1.98629	0.1879719	0.26028424	2.4294286	21	5 21.0	19.8
72295 2001 BO_{24}	15.9	X	29.12661	127.84400	266.86949	1.70315	0.1590337	0.28351316	2.2948479	21	—	—
72296 2001 BX_{24}	16.4	X	228.36619	258.89609	197.06113	1.55889	0.1728224	0.26849453	2.3796464	21	8 11.8	20.0
72297 2001 BV_{26}	15.7	X	68.87753	67.26537	290.93390	5.82588	0.1972461	0.28343528	2.2952682	21	—	—
72298 2001 BT_{28}	16.0	X	23.80320	260.54210	128.25033	7.00022	0.1049322	0.28020866	2.3128547	21	—	—
72299 2001 BC_{29}	16.4	X	11.67128	280.85312	137.34215	1.30288	0.2201037	0.28394756	2.2925068	21	—	—
72300 2001 BM_{29}	15.2	X	323.70925	303.61095	275.26034	3.69044	0.2338195	0.19740090	2.9212583	21	1 23.2	19.2
72301 2001 BS_{30}	15.2	X	111.04430	234.27225	133.74420	15.72538	0.1126956	0.24157012	2.5533317	21	—	—
72302 2001 BD_{31}	16.6	X	321.19962	151.75293	304.10818	2.05682	0.1200120	0.28013510	2.3132595	21	—	—
72303 2001 BU_{31}	14.3	X	274.89792	309.06187	311.82392	13.93449	0.0669957	0.24513749	2.5284996	21	1 31.8	17.8
72304 2001 BC_{32}	15.7	X	280.16620	359.26221	140.71831	6.55390	0.0497886	0.27909130	2.3190237	21	—	—
72305 2001 BB_{34}	14.2	X	154.41429	294.36224	275.13406	0.21545	0.1538937	0.17245029	3.1966378	21	10 17.2	19.4
72306 2001 BF_{34}	15.2	X	210.71714	171.64022	322.88203	6.41544	0.0788371	0.21947852	2.7219159	21	9 16.5	19.2
72307 2001 BT_{34}	15.7	X	347.52914	31.91653	161.16381	3.36853	0.1132656	0.24561478	2.5252229	21	1 31.2	18.6
72308 2001 BZ_{34}	15.7	X	265.78339	270.33899	137.42790	5.12391	0.2282117	0.26804686	2.3822952	21	7 12.8	19.0
72309 2001 BJ_{36}	15.8	X	329.29082	295.75133	87.68775	7.35965	0.1141512	0.27251609	2.3561772	21	10 16.7	18.1
72310 2001 BV_{39}	14.1	X	147.44053	277.83946	350.58242	14.86558	0.0458182	0.17701332	3.1414640	21	12 16.9	19.0
72311 2001 BU_{40}	16.0	X	262.86992	100.30191	277.92783	1.88576	0.2297061	0.26436931	2.4043371	21	5 30.3	19.5
72312 2001 BE_{43}	15.9	X	341.71161	207.13804	241.66491	4.97401	0.0767575	0.28132914	2.3067095	21	—	—
72313 2001 BM_{43}	15.6	X	337.24156	166.06181	226.07250	6.33265	0.2056301	0.27559057	2.3386208	21	11 16.9	17.0
72314 2001 BR_{43}	14.3	X	174.95965	339.63088	294.51964	11.79888	0.0998027	0.23280026	2.6170604	21	—	—
72315 2001 BS_{44}	15.2	X	238.80561	29.70345	118.25740	6.53599	0.1750727	0.27185273	2.3600086	21	11 5.0	18.3
72316 2001 BX_{44}	15.2	X	289.38324	26.46901	106.03840	7.05368	0.1936994	0.27713602	2.3299185	21	—	—
72317 2001 BA_{45}	15.5	X	15.80149	350.76599	110.90700	6.71206	0.2007660	0.28514641	2.2860766	21	—	—
72318 2001 BN_{47}	15.9	X	326.34961	322.42328	179.94354	2.53306	0.1183134	0.23629938	2.5911606	21	—	—
72319 2001 BS_{47}	14.6	X	217.84478	253.76335	302.62507	4.05120	0.0919701	0.17935256	3.1140888	21	12 4.4	19.2
72320 2001 BW_{47}	14.6	X	54.90386	13.47871	327.20977	11.15065	0.0486073	0.22563044	2.6722120	21	12 7.7	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72321 2001 BJ_{48}	14.5	X	170.84967	64.66108	203.64150	10.61628	0.1656320	0.23229830	2.6208291	21	—	—
72322 2001 BB_{49}	14.8	X	203.36818	303.07742	265.53405	12.26742	0.1281669	0.22815186	2.6524877	21	12 8.3	18.8
72323 2001 BQ_{50}	15.0	X	147.15876	348.99400	308.00085	12.88758	0.1461063	0.23364568	2.6107436	21	—	—
72324 2001 BM_{54}	14.8	X	345.34596	324.70666	328.63099	7.67650	0.1349549	0.20965060	2.8063294	21	6 22.3	18.0
72325 2001 BT_{55}	15.9	X	271.08388	300.85710	69.95890	2.96755	0.1534774	0.26523164	2.3991229	21	6 8.9	19.0
72326 2001 BL_{56}	15.6	X	333.04966	298.52259	70.52244	3.09561	0.2360837	0.27185427	2.3599997	21	9 26.4	16.8
72327 2001 BG_{59}	15.5	X	349.26528	292.28111	153.62228	3.72742	0.1291096	0.28166986	2.3048489	21	—	—
72328 2001 BP_{59}	15.6	X	308.54302	154.62136	269.78185	4.88985	0.1628309	0.27459008	2.3442980	21	10 29.6	17.6
72329 2001 BR_{59}	15.3	X	294.17767	319.36713	154.59887	13.30677	0.1282883	0.22968780	2.6406495	21	12 9.7	18.6
72330 2001 BU_{59}	14.9	X	278.36508	28.08003	160.03079	13.53377	0.0937052	0.23521943	2.5990856	21	—	—
72331 2001 BX_{59}	13.6	X	168.88759	75.22509	159.40578	12.90345	0.2165216	0.17585815	3.1552060	21	11 28.8	19.2
72332 2001 BC_{60}	15.7	X	175.52806	280.11385	180.65047	2.32243	0.1484280	0.25976648	2.4326557	21	6 27.6	19.4
72333 2001 BP_{60}	15.1	X	268.78065	303.28670	179.54730	13.90559	0.0528698	0.22753474	2.6572816	21	11 22.4	18.8
72334 2001 BX_{60}	15.5	X	26.00635	304.39648	170.72007	4.02182	0.1867195	0.24235542	2.5478130	21	—	—
72335 2001 BJ_{61}	15.4	X	89.04646	290.38774	241.36805	12.34642	0.1505954	0.25413908	2.4684353	21	6 26.6	18.7
72336 2001 BY_{61}	15.7	X	336.72610	14.01213	193.63778	12.02265	0.0891712	0.24730182	2.5137254	21	2 4.1	19.1
72337 2001 BO_{62}	15.4	X	8.36695	136.16054	275.81748	5.27511	0.0844229	0.28118880	2.3074770	21	—	—
72338 2001 BC_{63}	14.2	X	283.69962	215.95763	336.75115	14.18681	0.0374016	0.23610814	2.5925596	21	—	—
72339 2001 BW_{63}	15.5	X	277.25341	107.64212	319.54311	6.34076	0.0746691	0.26889489	2.3772837	21	9 17.8	18.3
72340 2001 BO_{64}	14.8	X	241.29190	194.18766	330.29268	6.72030	0.0256992	0.22720022	2.6598893	21	12 10.6	18.5
72341 2001 BJ_{65}	15.3	X	27.20045	275.27262	172.05984	11.69342	0.1830685	0.24033941	2.5620409	21	—	—
72342 2001 BS_{66}	14.3	X	192.00814	139.58270	25.98039	12.26636	0.1134990	0.21778326	2.7360228	21	10 6.7	18.4
72343 2001 BT_{67}	15.6	X	296.25689	161.36754	6.99307	3.35687	0.1093615	0.23477758	2.6023456	21	—	—
72344 2001 BX_{68}	15.5	X	50.96778	116.68505	59.05223	3.42135	0.1194140	0.25066492	2.4911909	21	4 29.7	18.0
72345 2001 BC_{69}	15.6	X	345.46257	302.13595	96.47840	3.15057	0.2103795	0.27518454	2.3409207	21	12 17.4	17.3
72346 2001 BG_{69}	15.0	X	330.92432	298.61433	135.42700	15.36666	0.0735734	0.22782670	2.6550109	21	12 17.5	18.4
72347 2001 BN_{69}	15.8	X	188.36520	347.46579	89.27842	4.15902	0.1777097	0.25874961	2.4390250	21	6 8.9	19.7
72348 2001 BU_{69}	14.3	X	228.06404	182.12086	6.61997	11.11613	0.1321350	0.17892310	3.1190699	21	11 29.6	19.2
72349 2001 BZ_{70}	16.0	X	290.89699	168.10197	215.05113	1.64808	0.2174594	0.26896082	2.3768952	21	7 13.8	18.8
72350 2001 BG_{71}	14.9	X	186.50722	247.16048	299.97432	13.09786	0.0871768	0.22444914	2.6815800	21	10 21.9	19.3
72351 2001 BJ_{71}	15.6	X	142.23460	113.91722	356.68674	1.73739	0.0811772	0.25724663	2.4485158	21	5 31.6	19.0
72352 2001 BK_{72}	14.0	X	38.57995	101.87959	121.19829	15.78412	0.1021551	0.20416587	2.8563666	21	6 18.3	17.6
72353 2001 BW_{72}	15.1	X	255.95014	357.28856	193.45631	15.05729	0.0683958	0.23371258	2.6102453	21	—	—
72354 2001 BR_{74}	15.9	X	264.09378	158.23456	27.47196	1.86621	0.0420547	0.23448238	2.6045293	21	—	—
72355 2001 BW_{74}	14.2	X	189.26374	306.45329	7.64926	13.16715	0.1580266	0.23796772	2.5790357	21	1 13.2	18.5
72356 2001 BY_{74}	15.1	X	208.78685	9.14478	100.24264	6.41155	0.1280828	0.21501964	2.7594167	21	8 12.6	19.4
72357 2001 BA_{75}	14.3	X	146.51275	122.66141	124.25867	10.17806	0.0543081	0.17543121	3.1603231	21	11 23.8	19.1
72358 2001 BH_{76}	14.5	X	144.44432	348.99551	206.74937	13.97985	0.1404661	0.21687007	2.7436980	21	9 23.1	18.9
72359 2001 BX_{76}	14.3	X	193.55462	305.61860	295.54229	0.85278	0.1202964	0.17990078	3.1077591	21	12 29.7	19.2
72360 2001 BM_{77}	14.2	X	229.55118	55.29692	156.43202	22.42771	0.0670526	0.17951004	3.1122673	21	—	—
72361 2001 BX_{77}	13.9	X	318.66377	42.84962	165.11513	11.08321	0.0523978	0.19178099	2.9780524	21	1 29.6	18.1
72362 2001 BT_{78}	14.3	X	89.95051	140.53724	263.33172	21.66256	0.0699976	0.24046488	2.5611496	21	—	—
72363 2001 BQ_{79}	15.8	X	274.63182	229.88205	152.71871	2.84634	0.1876400	0.26476394	2.4019474	21	6 24.9	19.1
72364 2001 BU_{79}	16.1	X	22.76062	230.67830	138.59839	6.92927	0.1520826	0.27766849	2.3269389	21	12 30.7	18.9
72365 2001 BY_{79}	15.7	X	347.96996	307.68345	136.76202	14.20750	0.0401895	0.23287932	2.6164680	21	—	—
72366 2001 CO	15.8	X	214.64470	303.29849	179.94939	5.59027	0.1249324	0.27108856	2.3644416	21	9 7.2	19.1
72367 2001 CL_{1}	15.0	X	339.43756	267.24505	131.86591	15.95991	0.1229286	0.22653056	2.6651287	21	11 19.4	18.3
72368 2001 CT_{2}	14.9	X	338.68167	332.31269	355.26383	5.62731	0.0800312	0.21434349	2.7652168	21	8 3.7	18.3
72369 2001 CC_{3}	14.3	X	215.19002	110.70027	82.60987	4.48368	0.1116731	0.17930261	3.1146671	21	11 26.7	19.0
72370 2001 CD_{3}	14.4	X	232.54484	238.54996	346.83208	10.87731	0.1181916	0.18475356	3.0530987	21	—	—
72371 2001 CP_{3}	15.4	X	139.48399	118.92101	39.84882	3.60839	0.1150917	0.26134974	2.4228210	21	8 6.6	18.9
72372 2001 CY_{4}	15.8	X	242.73269	102.36431	29.89724	4.31488	0.1867949	0.27269156	2.3551663	21	10 15.7	18.7
72373 2001 CE_{5}	15.1	X	237.33746	60.40942	71.19873	4.15657	0.1518909	0.27157396	2.3616233	21	10 14.5	18.1
72374 2001 CS_{5}	15.2	X	32.21560	122.95178	119.30766	7.71636	0.0701290	0.20989330	2.8041657	21	6 29.7	18.7
72375 2001 CU_{6}	15.6	X	89.14650	78.10140	349.81286	5.68586	0.1290044	0.29359387	2.2420127	21	1 20.6	17.7
72376 2001 CY_{6}	14.7	X	208.64696	171.06561	123.86169	11.69583	0.0713285	0.19243121	2.9713402	21	1 10.7	19.2
72377 2001 CH_{8}	15.8	X	130.89032	28.60506	72.46027	3.18904	0.1792686	0.25472232	2.4646659	21	5 16.7	19.3
72378 2001 CZ_{8}	14.7	X	345.66037	332.93227	330.60611	15.37431	0.1032559	0.21213176	2.7844040	21	7 13.0	18.2
72379 2001 CR_{9}	13.5	X	26.79358	42.25271	50.34912	15.31220	0.0455979	0.23112067	2.6297241	21	—	—
72380 2001 CF_{10}	15.3	X	337.51677	216.77981	115.41110	5.46192	0.1142358	0.21721965	2.7407535	21	8 5.3	18.2
72381 2001 CM_{10}	14.3	X	163.15327	129.94294	111.59676	7.07381	0.1306937	0.17947711	3.1126479	21	12 2.6	19.3
72382 2001 CR_{10}	15.9	X	72.49235	49.21975	3.85179	5.07974	0.1382831	0.29066636	2.2570414	21	—	—
72383 2001 CF_{11}	16.0	X	312.08829	285.00144	112.10223	6.74686	0.1402295	0.27214944	2.3582929	21	10 1.5	18.2
72384 2001 CF_{12}	15.6	X	303.25650	253.32861	116.03965	5.99776	0.2491556	0.26835995	2.3804419	21	7 8.2	17.9
72385 2001 CK_{12}	15.0	X	146.62470	213.11879	91.68648	4.78850	0.1039412	0.23487827	2.6016018	21	—	—
72386 2001 CW_{12}	15.3	X	31.62169	90.78549	106.22566	7.00055	0.1437526	0.25153959	2.4854125	21	4 29.9	17.7
72387 2001 CF_{13}	15.8	X	4.24045	315.46806	122.93928	6.78907	0.0538018	0.28235819	2.3011016	21	—	—
72388 2001 CC_{16}	15.3	X	178.48101	176.64600	108.37437	9.88132	0.0598690	0.23631544	2.5910432	21	—	—
72389 2001 CE_{16}	15.2	X	31.35488	187.39931	77.86872	6.15871	0.1177372	0.21264621	2.7799114	21	8 7.0	18.5
72390 2001 CL_{16}	17.0	X	277.41302	354.63701	79.65076	2.99212	0.2049123	0.27241507	2.3567597	21	9 11.3	19.6
72391 2001 CB_{17}	15.4	X	44.62581	315.38924	92.47544	5.22917	0.0976867	0.23649532	2.5897291	21	—	—
72392 2001 CH_{17}	15.9	X	73.38053	61.74087	19.66600	1.24219	0.1086291	0.24444564	2.5332683	21	1 23.1	18.7
72393 2001 CH_{18}	16.0	X	357.72433	103.63099	320.60983	0.59229	0.1405483	0.28204586	2.3028001	21	—	—
72394 2001 CJ_{19}	15.2	X	13.03164	26.38849	317.60700	12.45228	0.1276176	0.22380831	2.6866963	21	10 19.1	18.6
72395 2001 CG_{20}	14.5	X	40.73398	230.99014	14.54888	9.34711	0.1005255	0.21035692	2.8000440	21	7 24.5	18.1
72396 2001 CU_{20}	13.6	X	256.86250	346.93361	91.43141	25.85785	0.1997100	0.26750767	2.3854953	21	8 25.5	17.4
72397 2001 CV_{21}	15.9	X	138.01747	153.88451	27.75257	3.08889	0.1702147	0.26488723	2.4012020	21	9 7.2	19.6
72398 2001 CJ_{22}	15.1	X	291.94265	265.05467	109.53971	6.64893	0.0554418	0.21729014	2.7401607	21	7 29.7	18.6
72399 2001 CN_{22}	16.6	X	247.35582	64.04830	63.22833	2.78275	0.1698546	0.27416549	2.3467177	21	10 18.3	19.5
72400 2001 CX_{22}	15.7	X	98.93746	286.37666	105.63916	3.74165	0.0700968	0.24280039	2.5446992	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72401 2001 CS_{23}	16.7	X	334.21886	159.08939	296.33158	1.86927	0.1718935	0.28254675	2.3000777	21	—	—
72402 2001 CV_{24}	15.6	X	90.63272	83.64311	101.71898	1.82333	0.0083211	0.21082343	2.7959118	21	6 26.9	19.2
72403 2001 CZ_{25}	15.4	X	118.61440	216.60686	7.23114	3.55246	0.1519366	0.21718301	2.7410617	21	10 5.8	19.6
72404 2001 CG_{26}	15.9	X	283.08089	59.01654	17.28935	5.79641	0.0967048	0.27019951	2.3696253	21	10 9.7	18.5
72405 2001 CD_{27}	14.8	X	224.90158	260.73022	308.10785	12.61168	0.1170499	0.23290163	2.6163010	21	—	—
72406 2001 CH_{27}	15.0	X	295.27948	158.01178	349.29638	12.28219	0.1365672	0.23415626	2.6069470	21	—	—
72407 2001 CK_{27}	14.9	X	6.85639	52.01227	79.26253	8.67841	0.0664282	0.24168279	2.5525381	21	—	—
72408 2001 CQ_{27}	13.8	X	182.07812	176.61713	91.46830	12.61688	0.0833454	0.18545756	3.0453673	21	—	—
72409 2001 CV_{27}	14.6	X	135.35986	150.68327	76.69346	10.68439	0.1517882	0.22065970	2.7121937	21	10 29.9	19.0
72410 2001 CD_{28}	14.9	X	331.01106	333.02909	98.45153	11.66670	0.0930848	0.23017786	2.6369001	21	12 14.2	17.8
72411 2001 CP_{28}	15.8	X	312.13722	42.10335	23.31268	6.77591	0.0826228	0.27460935	2.3441884	21	11 12.7	18.1
72412 2001 CA_{29}	15.1	X	157.61644	158.46288	4.03122	9.35781	0.1228780	0.21602810	2.7508224	21	8 30.0	19.4
72413 2001 CF_{29}	15.6	X	35.82149	312.58165	98.04196	6.92302	0.1143360	0.28408340	2.2917759	21	—	—
72414 2001 CT_{30}	14.9	X	201.28053	234.00364	8.79012	14.37939	0.0455807	0.23216155	2.6218581	21	—	—
72415 2001 CV_{30}	14.1	X	313.49882	174.35543	13.25477	13.78957	0.1471524	0.19081688	2.9880752	21	—	—
72416 2001 CG_{31}	15.7	X	241.29323	357.59001	81.65429	5.53442	0.2118635	0.26799451	2.3826054	21	7 31.8	19.2
72417 2001 CF_{32}	14.8	X	146.19070	219.57263	44.66571	4.92020	0.0677180	0.22721049	2.6598090	21	12 19.9	18.8
72418 2001 CO_{33}	14.8	X	50.88284	189.71914	29.32446	13.46106	0.1343707	0.20940245	2.8085460	21	7 6.8	18.5
72419 2001 CJ_{34}	14.2	X	279.37264	66.60889	61.81273	14.70097	0.1330652	0.22918530	2.6445080	21	12 1.4	17.4
72420 2001 CY_{35}	15.2	X	35.62221	150.77774	108.11275	5.51279	0.0432938	0.21233216	2.7826518	21	7 25.4	18.6
72421 2001 CF_{36}	15.6	X	15.63290	359.19234	29.72841	6.02996	0.2124146	0.27846416	2.3225042	21	—	—
72422 2001 CF_{38}	13.5	X	124.29748	193.52859	105.69283	24.39004	0.1336204	0.17553679	3.1590557	21	—	—
72423 2001 CS_{38}	15.1	X	64.84260	359.54607	42.52264	7.40040	0.1016487	0.28870186	2.2672687	21	—	—
72424 2001 CC_{39}	15.4	X	231.62569	21.71227	54.32952	7.54841	0.1178529	0.26662922	2.3907319	21	7 27.9	18.8
72425 2001 CS_{39}	15.4	X	218.44457	175.36387	5.95055	12.04296	0.1297385	0.22855577	2.6493617	21	11 17.0	19.5
72426 2001 CA_{40}	15.3	X	115.71926	263.97291	96.75610	16.36061	0.0825408	0.23950020	2.5680223	21	—	—
72427 2001 CO_{40}	15.1	X	88.47355	301.47812	94.33745	14.48405	0.1947185	0.24155423	2.5534437	21	—	—
72428 2001 CE_{41}	15.1	X	57.02053	249.15296	103.71112	17.61463	0.0830253	0.22861181	2.6489288	21	—	—
72429 2001 CN_{41}	14.7	X	71.81579	174.05416	92.57980	9.26397	0.1326968	0.21801752	2.7340626	21	10 12.3	18.7
72430 2001 CY_{41}	14.0	X	173.28469	268.29718	315.66407	18.47919	0.3905480	0.17726962	3.1384353	21	11 8.5	20.3
72431 2001 CD_{42}	13.5	X	133.98946	252.67860	30.41847	16.96031	0.2129158	0.17771536	3.1331852	21	12 23.9	19.1
72432 Kimrobinson	15.6	X	250.60015	190.07683	29.37023	5.52036	0.1456305	0.23397098	2.6083231	21	—	—
72433 2001 CT_{42}	15.8	X	176.10541	296.86865	142.42201	5.06151	0.1687183	0.25807083	2.4432999	21	6 1.6	19.7
72434 2001 CV_{42}	15.1	X	5.73926	180.14764	139.24025	4.82313	0.0501925	0.21722546	2.7407046	21	9 3.5	18.4
72435 2001 CH_{43}	14.5	X	327.29287	74.01923	114.99285	15.38307	0.1089488	0.23933697	2.5691898	21	—	—
72436 2001 CH_{44}	14.7	X	138.34809	157.71145	53.89564	14.99672	0.1296327	0.21798406	2.7343424	21	10 14.5	19.1
72437 2001 CV_{44}	14.8	X	324.21356	333.13547	92.56129	15.09033	0.0607963	0.22603635	2.6690120	21	11 26.9	18.2
72438 2001 CB_{45}	15.4	X	78.39279	332.26772	96.18100	14.48683	0.1595299	0.24300545	2.5432675	21	1 20.7	18.1
72439 2001 CE_{45}	14.2	X	14.77018	335.15693	104.18268	15.80513	0.0838007	0.23456532	2.6039153	21	—	—
72440 2001 CH_{45}	13.6	X	164.05250	106.36939	93.70017	17.19743	0.0838998	0.17222162	3.1994668	21	10 23.3	18.8
72441 2001 CD_{47}	15.5	X	182.99604	95.46723	158.97039	2.75171	0.1210846	0.23103070	2.6304068	21	—	—
72442 2001 CN_{47}	16.1	X	48.68226	28.48830	7.23687	4.99280	0.1826623	0.28701299	2.2761542	21	—	—
72443 2001 CU_{47}	15.9	X	141.87959	110.58995	31.96752	2.20719	0.1431390	0.26188577	2.4195139	21	7 19.4	19.5
72444 2001 CZ_{48}	14.5	X	126.35392	202.53415	50.21774	14.43254	0.1199842	0.22579414	2.6709204	21	11 16.3	18.6
72445 2001 DD	15.4	X	268.48874	244.09363	178.56619	5.22348	0.0443679	0.21729382	2.7401298	21	8 31.4	19.1
72446 2001 DM	14.3	X	116.07013	239.76288	13.85061	9.39129	0.1034866	0.17116879	3.2125729	21	10 28.9	19.3
72447 Polińska	14.9	X	194.19729	39.01661	266.70575	0.87915	0.0615134	0.18823657	3.0153198	21	1 9.1	19.3
72448 2001 DD_{2}	16.3	X	3.34809	258.86460	127.03337	2.55815	0.1788629	0.27678538	2.3318859	21	12 28.2	18.6
72449 2001 DS_{3}	15.8	X	189.23026	138.10815	46.26205	7.17870	0.0769496	0.27307709	2.3529491	21	11 4.1	18.8
72450 2001 DV_{5}	15.1	X	43.28077	7.27080	67.00547	7.18914	0.0838127	0.28693304	2.2765770	21	—	—
72451 2001 DW_{5}	14.4	X	219.26368	241.47962	30.61292	10.33947	0.0603812	0.18975209	2.9992432	21	—	—
72452 2001 DL_{6}	14.8	X	270.32687	27.85118	116.81864	12.94145	0.1665122	0.22887484	2.6468988	21	12 7.1	18.1
72453 2001 DO_{6}	14.1	X	141.76566	105.48278	158.24050	9.22144	0.2151997	0.17452945	3.1711995	21	12 9.8	19.7
72454 2001 DR_{9}	13.7	X	196.06619	248.86879	0.08288	16.20805	0.1975667	0.18158542	3.0885080	21	—	—
72455 2001 DX_{10}	15.5	X	209.33516	277.39152	343.26872	3.56030	0.0621765	0.23522853	2.5990186	21	—	—
72456 2001 DZ_{12}	16.2	X	306.37691	19.68303	326.82615	1.96918	0.2155706	0.26632338	2.3925619	21	6 14.7	18.9
72457 2001 DB_{14}	15.6	X	28.19138	230.90667	170.44768	22.93971	0.1865810	0.28193886	2.3033826	21	—	—
72458 2001 DA_{16}	15.3	X	116.21236	185.53495	117.98013	13.27981	0.0916587	0.22844901	2.6501871	21	—	—
72459 2001 DP_{18}	15.0	X	356.94963	306.58456	128.89419	15.14479	0.1373835	0.23216562	2.6218275	21	—	—
72460 2001 DU_{18}	14.5	X	24.14960	196.17689	118.56506	10.56297	0.1686413	0.21594600	2.7515196	21	10 14.3	17.9
72461 2001 DV_{18}	15.1	X	28.79484	117.42193	350.61086	27.30038	0.1305597	0.24027708	2.5624839	21	—	—
72462 2001 DL_{21}	13.6	X	154.59531	199.11070	18.26583	15.74716	0.1079670	0.17173982	3.2054479	21	10 23.8	18.6
72463 2001 DP_{21}	14.2	X	300.15937	86.95667	118.83383	11.00995	0.0606183	0.18952844	3.0016021	21	1 5.2	18.5
72464 2001 DU_{21}	14.4	X	60.85298	253.26498	124.97342	15.09811	0.1360031	0.23016671	2.6369853	21	—	—
72465 2001 DN_{23}	15.0	X	351.40813	174.40727	124.49503	6.15634	0.0442855	0.21254707	2.7807758	21	7 13.9	18.6
72466 2001 DS_{23}	14.8	X	228.94354	269.48215	12.67136	6.41659	0.1470472	0.24103745	2.5570921	21	1 7.9	18.9
72467 2001 DK_{24}	15.3	X	102.18093	257.77317	123.67226	4.57656	0.2736117	0.24227167	2.5484002	21	1 12.9	18.2
72468 2001 DX_{24}	15.0	X	191.59968	188.36228	127.76542	12.75074	0.1543609	0.24114372	2.5563408	21	1 13.8	19.1
72469 2001 DW_{27}	15.4	X	156.81535	97.66812	110.77034	2.83985	0.0415506	0.22150077	2.7053236	21	10 24.4	19.2
72470 2001 DT_{28}	14.4	X	209.58200	234.05559	357.21381	11.96189	0.0089555	0.18352582	3.0666998	21	—	—
72471 2001 DV_{30}	14.4	X	193.57245	164.93550	127.94765	11.02332	0.0788133	0.18804548	3.0173623	21	—	—
72472 2001 DX_{32}	14.5	X	168.90308	143.57362	115.46211	2.48182	0.1284360	0.17930650	3.1146220	21	12 26.7	19.4
72473 2001 DD_{34}	14.5	X	195.24501	304.89956	3.96248	14.67899	0.1477533	0.23748483	2.5825305	21	1 12.3	18.9
72474 2001 DD_{35}	16.1	X	161.33676	226.12558	229.21843	1.53244	0.1035039	0.25861197	2.4398903	21	6 4.2	19.7
72475 2001 DJ_{35}	15.1	X	84.24535	69.42848	155.69121	6.64054	0.0926832	0.21436342	2.7650454	21	8 23.4	19.0
72476 2001 DZ_{36}	14.1	X	118.30637	319.91280	316.34976	12.36297	0.1544596	0.17701123	3.1414887	21	11 30.7	19.4
72477 2001 DQ_{37}	14.7	X	165.49392	164.07144	141.61248	14.46158	0.1566378	0.23632349	2.5909843	21	—	—
72478 2001 DK_{38}	14.6	X	84.53079	108.03437	154.30301	13.58103	0.1775392	0.21950674	2.7216826	21	10 26.1	18.9
72479 2001 DO_{38}	15.1	X	276.73226	34.51646	145.34552	15.37320	0.0415677	0.23592558	2.5938968	21	—	—
72480 2001 DY_{38}	15.6	X	71.99729	94.55458	268.50255	5.60605	0.1458400	0.28327145	2.2961531	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72481 2001 DN_{39}	15.6	X	80.46169	243.22022	168.33803	4.93938	0.0807650	0.24183428	2.5514720	21	—	—
72482 2001 DT_{39}	15.6	X	115.71432	50.87120	317.47298	6.12263	0.2034137	0.28986139	2.2612182	21	—	—
72483 2001 DY_{39}	15.7	X	65.53632	41.37700	323.49160	6.75335	0.0915887	0.23279111	2.6171289	21	—	—
72484 2001 DQ_{40}	16.0	X	25.19302	58.28971	67.07851	2.77844	0.1011959	0.24167725	2.5525771	21	1 2.5	18.8
72485 2001 DS_{41}	14.5	X	128.76624	116.90148	136.00777	2.07830	0.1479440	0.17481823	3.1677063	21	11 14.7	19.5
72486 2001 DT_{41}	15.9	X	270.33960	299.35006	103.09213	0.66142	0.1433513	0.26617412	2.3934563	21	7 24.6	19.0
72487 2001 DA_{43}	15.5	X	173.99893	24.54574	151.67410	7.19196	0.0169999	0.21989623	2.7184678	21	10 4.9	19.2
72488 2001 DR_{43}	15.7	X	227.34715	245.77429	164.61778	1.40013	0.1715085	0.26122645	2.4235833	21	6 11.7	19.4
72489 2001 DM_{45}	15.4	X	293.48051	250.68453	265.36011	2.05914	0.0662337	0.23285205	2.6166723	21	—	—
72490 2001 DW_{46}	16.0	X	42.14535	158.80057	267.48774	3.23426	0.1478606	0.28680230	2.2772688	21	—	—
72491 2001 DR_{49}	14.8	X	137.46876	346.37877	323.92710	27.24283	0.1122828	0.23649514	2.5897304	21	—	—
72492 2001 DG_{54}	15.0	X	228.46639	110.78683	32.80000	3.79770	0.0486170	0.22071150	2.7117693	21	10 25.1	18.6
72493 2001 DP_{59}	14.5	X	76.65255	349.36390	270.20829	8.47632	0.1525527	0.21514723	2.7583256	21	10 2.0	18.7
72494 2001 DS_{59}	13.8	X	255.63628	177.74262	16.60104	19.00507	0.0785738	0.18021020	3.1042008	21	—	—
72495 2001 DX_{59}	15.4	X	283.68606	214.57714	317.40395	10.22700	0.0627555	0.23658154	2.5891000	21	—	—
72496 2001 DO_{61}	16.2	X	311.09120	229.32211	169.56783	4.54298	0.1662309	0.27208400	2.3586711	21	9 25.7	18.0
72497 2001 DD_{62}	15.3	X	318.05418	323.42806	198.54105	13.98578	0.0907525	0.23590837	2.5940230	21	—	—
72498 2001 DN_{63}	15.0	X	18.16920	342.68987	318.51493	4.63497	0.0637976	0.21565298	2.7540115	21	8 27.6	18.3
72499 2001 DR_{66}	15.8	X	260.59654	191.04221	245.12668	0.66162	0.1684667	0.26853791	2.3793901	21	8 23.9	19.0
72500 2001 DT_{66}	15.9	X	210.74182	292.85373	164.26989	2.37463	0.1594864	0.26411865	2.4058581	21	7 27.1	19.5
72501 2001 DA_{67}	14.7	X	298.48000	310.01117	341.01405	6.06434	0.0173527	0.20316115	2.8657762	21	4 20.4	18.7
72502 2001 DK_{67}	15.1	X	75.44155	324.23311	322.05539	6.84752	0.1141863	0.21975426	2.7196385	21	10 31.2	19.1
72503 2001 DT_{68}	15.6	X	280.87420	259.34495	183.42971	1.88743	0.1649359	0.27181495	2.3602273	21	10 4.9	17.8
72504 2001 DA_{69}	14.5	X	254.67298	90.87257	165.82726	10.26216	0.0526913	0.19141230	2.9818754	21	1 13.9	19.1
72505 2001 DP_{69}	16.2	X	204.70386	295.41786	184.08651	2.14428	0.1637337	0.26520329	2.3992939	21	8 19.2	19.9
72506 2001 DV_{69}	15.6	X	165.41406	283.64007	195.30267	1.71183	0.1447215	0.25988963	2.4318871	21	7 11.3	19.4
72507 2001 DX_{69}	14.8	X	162.99931	356.05868	217.37468	1.13204	0.1751279	0.17275280	3.1929049	21	10 29.1	20.1
72508 2001 DY_{70}	16.0	X	204.37130	286.55783	191.14066	1.69387	0.1387041	0.26456936	2.4031250	21	8 18.2	19.5
72509 2001 DJ_{73}	15.2	X	8.86165	330.30289	349.00097	1.56974	0.0665984	0.21512181	2.7585429	21	9 8.2	18.5
72510 2001 DS_{73}	15.2	X	141.00639	18.00655	188.40818	3.22081	0.0262029	0.21760842	2.7374882	21	9 30.7	19.1
72511 2001 DW_{73}	14.4	X	230.83807	53.33248	162.40511	12.37867	0.1939020	0.18236840	3.0796615	21	12 29.7	19.3
72512 2001 DR_{75}	15.6	X	91.96272	246.09371	134.12376	7.41505	0.0620814	0.23883786	2.5727679	21	—	—
72513 2001 DW_{78}	13.4	X	167.09653	1.57267	216.10730	12.55618	0.1756313	0.17329745	3.1862116	21	11 6.7	18.7
72514 2001 DC_{79}	14.1	X	17.04005	169.04505	100.25579	12.84311	0.0598285	0.20888181	2.8132110	21	7 12.9	17.6
72515 2001 DD_{79}	15.7	X	315.40786	23.44844	91.46097	10.76818	0.1466681	0.27976026	2.3153254	21	—	—
72516 2001 DC_{81}	14.2	X	9.08046	229.34500	109.18104	7.54336	0.0846615	0.21651168	2.7467249	21	10 10.6	17.6
72517 2001 DK_{81}	14.8	X	246.51384	301.96629	97.66528	7.18601	0.0535939	0.20897216	2.8124000	21	7 2.0	18.8
72518 2001 DP_{86}	15.3	X	20.51208	232.71584	115.55053	5.02463	0.1058892	0.22329947	2.6907762	21	11 11.6	18.7
72519 2001 DR_{87}	16.2	X	296.89533	92.86728	0.87036	3.66945	0.1362306	0.27729827	2.3290096	21	11 24.4	18.2
72520 2001 DB_{88}	14.3	X	310.41025	246.19764	323.45639	9.96904	0.0462851	0.19171340	2.9787524	21	1 25.1	18.5
72521 2001 DE_{89}	14.5	X	66.47277	139.64046	155.98004	5.65126	0.0151932	0.21904777	2.7254831	21	10 22.9	18.3
72522 2001 DZ_{89}	14.9	X	57.41812	28.13869	219.85650	8.79266	0.0342887	0.21292865	2.7774525	21	8 5.7	18.7
72523 2001 DC_{91}	14.6	X	97.43991	295.90923	258.05019	11.97861	0.1033021	0.21274899	2.7790159	21	7 27.7	18.7
72524 2001 DB_{92}	15.1	X	185.53455	70.59860	199.84874	13.81800	0.0326449	0.23334588	2.6129793	21	—	—
72525 2001 DL_{92}	14.3	X	209.49536	195.91062	94.20449	12.29236	0.0760309	0.19131247	2.9829126	21	1 6.4	18.7
72526 2001 DV_{92}	16.9	X	333.87244	56.69840	23.04680	3.48133	0.2118604	0.27969727	2.3156730	21	—	—
72527 2001 DK_{94}	15.8	X	182.58940	161.14440	298.03673	5.91173	0.0850660	0.26051493	2.4279942	21	7 3.2	19.3
72528 2001 DH_{95}	15.3	X	198.71552	35.71821	152.72734	14.13481	0.1168062	0.22689530	2.6622717	21	11 13.7	19.6
72529 2001 DT_{96}	15.6	X	258.86217	136.14671	264.09029	7.30470	0.1151241	0.26459621	2.4029624	21	7 9.4	18.7
72530 2001 DJ_{98}	15.4	X	42.75520	317.65079	10.63096	5.57173	0.1334782	0.22304478	2.6928242	21	11 17.9	18.9
72531 2001 DV_{98}	13.6	X	252.91705	335.48458	255.17585	6.57498	0.2222214	0.18587041	3.0408561	21	—	—
72532 2001 DD_{99}	15.8	X	175.80760	45.14719	42.98403	2.70015	0.1624593	0.25811837	2.4429999	21	6 11.5	19.7
72533 2001 DL_{99}	15.2	X	237.12219	87.11716	190.33507	9.58282	0.0361327	0.24120145	2.5559328	21	1 10.2	18.9
72534 2001 DZ_{99}	14.8	X	189.26946	29.75348	169.43181	11.58454	0.0500913	0.22534520	2.6744666	21	11 20.6	18.8
72535 2001 DX_{100}	15.6	X	36.11964	102.52975	88.46768	7.94955	0.0702660	0.25221690	2.4809609	21	4 24.8	18.5
72536 2001 DM_{102}	14.3	X	40.51020	281.28928	26.26791	9.60456	0.1756211	0.21874288	2.7280151	21	10 25.4	17.6
72537 2001 DP_{102}	14.9	X	43.70835	99.50551	78.38220	7.79421	0.1171200	0.25072459	2.4907957	21	4 22.3	17.5
72538 2001 DR_{102}	16.0	X	0.62298	34.29891	49.44280	6.38105	0.1242894	0.28291960	2.2980565	21	—	—
72539 2001 DW_{103}	15.6	X	74.46706	262.05199	113.44335	3.74877	0.0697320	0.23589631	2.5941113	21	—	—
72540 2001 DE_{104}	14.9	X	161.87044	105.04211	148.53865	1.71076	0.1489917	0.17913056	3.1166612	21	12 13.9	19.9
72541 2001 DO_{104}	15.1	X	237.07742	35.78345	263.16872	0.91082	0.0695005	0.19643785	2.9307984	21	2 13.0	19.5
72542 2001 DE_{105}	16.0	X	311.49667	280.49206	268.68025	1.54148	0.1256822	0.24004586	2.5641292	21	—	—
72543 Simonemarchi	15.4	X	329.26467	0.60513	134.98710	10.56575	0.0714026	0.23836066	2.5762005	21	—	—
72544 2001 DG_{108}	16.1	X	338.94636	308.90439	237.49521	2.99127	0.0983554	0.24287154	2.5442023	21	1 12.5	19.3
72545 Robbiiwessen	13.9	X	169.95770	228.21862	88.66576	10.64761	0.0479639	0.18497075	3.0507082	21	—	—
72546 2001 ES	15.6	X	39.59094	170.38083	270.05437	4.73263	0.1247874	0.28709709	2.2757097	21	—	—
72547 2001 ET	14.5	X	68.17331	259.28274	350.46420	13.46112	0.1550259	0.21364116	2.7712738	21	9 13.6	18.0
72548 2001 EF_{1}	14.9	X	303.27607	168.76917	0.22100	10.34120	0.1141239	0.23630150	2.5911451	21	—	—
72549 2001 EG_{1}	15.3	X	58.35070	40.80533	21.62731	10.78276	0.1629753	0.24064628	2.5598623	21	—	—
72550 2001 EJ_{1}	14.7	X	132.27062	89.31663	84.88008	8.56109	0.1456611	0.21312763	2.7757236	21	8 20.9	19.1
72551 2001 EQ_{1}	14.9	X	323.72478	313.65298	134.48069	22.41721	0.0543384	0.22869694	2.6482714	21	12 25.7	18.5
72552 2001 EK_{2}	14.7	X	85.63258	239.34250	25.60169	12.42881	0.2138132	0.21640156	2.7476566	21	10 28.6	19.0
72553 2001 EY_{2}	15.6	X	103.24436	184.39452	123.64711	2.83455	0.0485922	0.22617796	2.6678979	21	12 25.7	19.3
72554 2001 ET_{3}	14.4	X	250.11938	134.01296	80.98421	2.02404	0.1164049	0.18460496	3.0547368	21	—	—
72555 2001 EM_{4}	15.2	X	156.34527	141.34489	12.95901	5.46047	0.1037222	0.21318870	2.7751934	21	8 17.0	19.4
72556 2001 EY_{4}	15.0	X	215.84755	287.38858	78.68653	3.10538	0.1082500	0.20180916	2.8785612	21	4 12.6	19.5
72557 2001 EN_{5}	15.0	X	297.08945	11.27968	27.78563	7.20999	0.0583985	0.21684315	2.7439251	21	9 10.7	18.5
72558 2001 ER_{5}	14.5	X	134.73485	203.92617	36.59764	5.49884	0.1118949	0.17179894	3.2047124	21	11 3.1	19.4
72559 2001 EZ_{5}	14.4	X	324.17764	134.60278	20.27428	11.53754	0.0596259	0.18714843	3.0269966	21	—	—
72560 2001 ES_{6}	15.1	X	7.65714	331.24110	110.59968	4.78180	0.2072392	0.23419563	2.6066548	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72561 2001 EX$_6$	15.9	X	2.97294	67.70978	33.25062	3.58369	0.1904759	0.28439653	2.2900934	21	—	—
72562 2001 EM$_7$	15.0	X	326.22042	331.11092	120.99304	6.05694	0.1774160	0.22971666	2.6404283	21	—	—
72563 2001 EN$_7$	14.1	X	172.68564	209.45010	18.50013	9.43449	0.0442432	0.17551725	3.1592902	21	11 24.9	18.8
72564 2001 EM$_8$	15.5	X	319.79574	17.35806	46.43557	3.01201	0.0378533	0.22330573	2.6907260	21	11 14.8	18.8
72565 2001 ET$_8$	15.6	X	65.75165	243.62095	45.24138	2.39710	0.0591829	0.21824983	2.7321221	21	10 18.2	19.2
72566 2001 EC$_9$	15.9	X	41.34603	341.05252	141.92986	5.07194	0.0697022	0.24242042	2.5473576	21	1 25.6	18.9
72567 2001 EX$_{10}$	14.2	X	249.63140	20.48971	159.64999	14.12347	0.1899132	0.17965666	3.1105738	21	12 10.1	18.9
72568 2001 EZ$_{12}$	14.2	X	211.98392	352.51617	70.59590	15.70356	0.1987588	0.25801335	2.4436627	21	6 11.3	18.2
72569 2001 EC$_{13}$	14.2	X	346.14467	317.05144	71.45264	24.73981	0.2957396	0.27387836	2.3483577	21	12 14.0	15.6
72570 2001 EB$_{14}$	14.2	X	142.40543	293.77193	38.47582	14.71711	0.1229205	0.23481739	2.6020514	21	—	—
72571 2001 ED$_{14}$	14.5	X	223.81594	196.68575	99.13683	13.59807	0.0548902	0.19192814	2.9765301	21	1 29.3	19.0
72572 2001 EL$_{14}$	14.3	X	310.98205	43.30339	82.77436	10.62748	0.0460640	0.18169083	3.0873134	21	—	—
72573 2001 EE$_{16}$	14.2	X	268.05951	233.26203	274.41496	7.97870	0.0283112	0.17852313	3.1237269	21	12 13.8	18.4
72574 2001 EJ$_{16}$	14.5	X	11.93300	270.94687	17.37356	11.93325	0.0689164	0.21084742	2.7956997	21	8 6.1	18.2
72575 2001 ET$_{16}$	16.4	X	213.22543	127.07688	327.48086	1.85641	0.1586738	0.26296008	2.4129195	21	7 26.9	19.9
72576 2001 EN$_{18}$	15.2	X	169.05795	259.42753	356.14527	13.90767	0.0696102	0.22995465	2.6386062	21	—	—
72577 2001 ER$_{18}$	15.0	X	117.68729	300.94201	353.71907	13.52207	0.1198196	0.22752907	2.6573257	21	12 30.5	19.4
72578 2001 EW$_{18}$	15.4	X	331.81819	291.37930	200.15600	4.10745	0.1357659	0.23643240	2.5901886	21	—	—
72579 2001 EU$_{19}$	14.1	X	63.20720	304.69575	1.49936	10.42915	0.1190410	0.17177638	3.2049930	21	11 3.7	18.7
72580 2001 ET$_{21}$	15.5	X	213.70723	123.98821	296.40918	5.65388	0.1208911	0.25966511	2.4332887	21	6 13.9	19.2
72581 2001 EE$_{22}$	15.7	X	292.64151	318.50841	210.91240	3.41265	0.1039954	0.23421689	2.6064971	21	—	—
72582 2001 EH$_{27}$	14.9	X	206.51528	194.85332	20.51998	0.35822	0.1242676	0.17939475	3.1136005	21	12 12.0	19.5
72583 2001 FV	14.8	X	356.13506	323.77186	199.70743	10.30211	0.0414367	0.19312386	2.9642313	21	1 23.3	19.0
72584 2001 FO$_1$	14.6	X	8.15636	166.04292	352.60374	9.54353	0.0430772	0.19229295	2.9727643	21	2 7.8	18.5
72585 2001 FT$_1$	14.2	X	101.64135	252.32087	31.15178	5.33555	0.1035930	0.17355598	3.1830466	21	11 19.7	19.1
72586 2001 FY$_1$	14.1	X	214.92130	176.28858	140.39698	9.61659	0.0768315	0.19118577	2.9842303	21	2 12.2	18.7
72587 2001 FP$_2$	15.1	X	224.72339	317.21749	62.66870	2.76290	0.0991348	0.20523306	2.8464561	21	5 8.0	19.3
72588 2001 FR$_3$	15.1	X	20.45725	261.05446	293.12415	4.19119	0.1430395	0.19777371	2.9175861	21	4 5.8	18.5
72589 2001 FY$_3$	15.0	X	15.83962	300.33502	189.35097	14.45763	0.0899355	0.23669949	2.5882397	21	—	—
72590 2001 FF$_5$	15.1	X	252.44451	97.81350	358.06211	12.26957	0.0748484	0.21818252	2.7326840	21	9 19.7	18.8
72591 2001 FO$_5$	14.9	X	99.20305	290.80138	338.18011	7.39706	0.1072609	0.21800270	2.7341865	21	11 4.1	19.0
72592 2001 FQ$_5$	14.7	X	192.93474	160.54477	341.71823	8.45071	0.0972202	0.21554429	2.7549372	21	9 6.9	18.8
72593 2001 FA$_6$	15.0	X	168.35196	257.29070	357.85427	13.79337	0.0977663	0.22869390	2.6482948	21	—	—
72594 2001 FG$_6$	13.2	X	347.77408	280.98606	22.39671	9.88126	0.1016283	0.15884555	3.3766498	21	7 14.2	17.6
72595 2001 FW$_7$	14.8	X	41.95521	226.76701	274.25236	16.95065	0.1927130	0.24480544	2.5307855	21	2 14.8	17.5
72596 Zilkha	14.9	X	336.89363	4.18175	4.69900	14.57567	0.1945625	0.26527184	2.3988805	21	10 2.4	16.7
72597 2001 FW$_{10}$	13.8	X	149.44519	69.15344	187.49438	13.95793	0.1477628	0.17383211	3.1796748	21	12 6.9	19.2
72598 2001 FM$_{11}$	14.9	X	238.35475	347.90434	174.44257	8.68379	0.1042599	0.22447572	2.6813683	21	11 24.6	18.7
72599 2001 FE$_{12}$	14.5	X	141.96907	89.92704	163.27555	10.76972	0.0585124	0.17291811	3.1908697	21	11 25.7	19.4
72600 2001 FS$_{12}$	14.4	X	12.63823	66.45943	23.12888	11.35727	0.0536078	0.18367688	3.0650182	21	—	—
72601 2001 FH$_{13}$	15.4	X	234.59213	333.55801	110.05065	1.66778	0.0366910	0.21241245	2.7819506	21	8 16.9	19.1
72602 2001 FC$_{14}$	14.0	X	190.79400	213.72479	16.82325	5.51764	0.0941416	0.17697238	3.1419484	21	12 15.7	18.8
72603 2001 FG$_{15}$	14.1	X	202.29854	7.62242	186.78773	1.67636	0.1315448	0.17461066	3.1702162	21	11 12.8	18.9
72604 2001 FK$_{15}$	14.7	X	208.36912	112.51131	176.44283	5.04168	0.0979903	0.18604038	3.0390037	21	1 4.5	19.5
72605 2001 FQ$_{15}$	14.4	X	260.55210	72.21448	185.19851	9.18363	0.0545248	0.18956252	3.0012424	21	1 20.7	18.9
72606 2001 FD$_{16}$	14.1	X	98.41062	286.78429	19.40575	7.24014	0.1597752	0.17260922	3.1946753	21	12 17.8	19.2
72607 2001 FH$_{17}$	14.9	X	192.87783	61.75913	356.51878	1.31264	0.0606234	0.20338429	2.8636797	21	5 22.9	19.1
72608 2001 FL$_{17}$	14.7	X	294.57929	47.71847	178.12153	1.54277	0.0395010	0.18970663	2.9997222	21	1 25.2	19.0
72609 2001 FN$_{17}$	14.1	X	178.98061	19.58739	185.23890	10.41333	0.0698282	0.17191771	3.2032362	21	11 6.7	19.0
72610 2001 FJ$_{18}$	15.1	X	336.95660	156.04680	213.70914	6.93807	0.0257853	0.21556527	2.7547584	21	9 26.3	18.7
72611 2001 FO$_{18}$	14.7	X	74.43711	340.03220	225.21488	4.22388	0.0439360	0.20628089	2.8368088	21	7 6.6	18.5
72612 2001 FT$_{19}$	14.8	X	356.79216	345.87122	350.16671	5.97297	0.0335760	0.21395177	2.7685910	21	9 11.1	18.4
72613 2001 FK$_{20}$	14.7	X	89.09833	318.43434	288.17864	3.55453	0.0680468	0.21359179	2.7717008	21	9 21.3	18.7
72614 2001 FU$_{20}$	14.0	X	271.60600	5.38295	217.59330	9.24400	0.0333351	0.18721703	3.0262571	21	—	—
72615 2001 FK$_{21}$	13.7	X	35.53419	321.85647	64.22940	14.28309	0.1819685	0.22403360	2.6848948	21	—	—
72616 2001 FO$_{21}$	14.3	X	132.03940	170.35969	111.40761	6.33385	0.1309379	0.17215827	3.2002515	21	12 19.0	19.4
72617 2001 FY$_{21}$	13.8	X	134.39061	300.31275	50.97868	11.77769	0.0890037	0.18282563	3.0745247	21	1 2.6	18.4
72618 2001 FC$_{23}$	14.9	X	219.65870	85.66903	40.78658	9.42615	0.1076512	0.21487035	2.7606947	21	9 19.5	19.1
72619 2001 FO$_{23}$	14.8	X	87.00414	282.42948	52.53692	10.65474	0.0279592	0.22396302	2.6854588	21	—	—
72620 2001 FG$_{25}$	15.3	X	309.76124	109.97999	343.45780	13.02978	0.1292297	0.22624389	2.6673795	21	12 2.8	18.5
72621 2001 FJ$_{25}$	14.4	X	109.82204	34.27876	335.08086	9.98826	0.1938023	0.23437933	2.6052926	21	—	—
72622 2001 FE$_{26}$	14.1	X	183.28945	184.37626	38.20246	5.62718	0.1183171	0.17334002	3.1856898	21	11 27.1	19.1
72623 2001 FK$_{26}$	14.0	X	245.43087	289.08095	345.43058	11.35227	0.1251316	0.18811883	3.0165778	21	1 24.9	18.9
72624 2001 FH$_{27}$	15.2	X	46.62752	29.53350	335.42107	10.19912	0.0266042	0.22517196	2.6758382	21	12 26.5	18.9
72625 2001 FP$_{27}$	14.5	X	40.71850	262.51374	212.31426	9.53534	0.0348767	0.19017451	2.9948002	21	1 23.1	18.7
72626 2001 FR$_{27}$	14.7	X	202.16511	119.63707	331.03874	2.81832	0.0600370	0.20875693	2.8143328	21	7 15.2	18.7
72627 2001 FZ$_{27}$	14.2	X	138.96759	104.85355	148.89373	9.92019	0.0620440	0.17481781	3.1677113	21	11 23.8	19.1
72628 2001 FR$_{29}$	14.9	X	170.67458	32.72842	147.60103	13.40486	0.0708529	0.21638533	2.7477940	21	10 6.1	19.1
72629 2001 FZ$_{29}$	13.9	X	146.37040	357.79015	263.24187	11.05332	0.1629651	0.17542681	3.1603759	21	12 8.7	19.1
72630 2001 FO$_{30}$	15.5	X	35.46847	282.25864	245.35826	11.80847	0.1037412	0.24703020	2.5155677	21	3 12.9	18.5
72631 2001 FW$_{30}$	14.1	X	164.05236	218.05263	19.76516	10.70992	0.0603327	0.17465295	3.1697044	21	11 26.4	19.0
72632 Coralina	14.5	X	146.83830	185.84076	71.27562	6.53562	0.1250744	0.17306975	3.1890056	21	12 3.9	19.5
72633 Randygroth	15.1	X	345.38126	194.70746	199.70060	1.64701	0.0862522	0.22138281	2.7062845	21	11 14.7	18.1
72634 2001 FF$_{33}$	14.7	X	74.54670	111.16976	198.44518	13.96163	0.0200014	0.22238316	2.6981626	21	11 20.8	18.5
72635 2001 FM$_{34}$	14.4	X	218.42790	115.13404	181.97547	9.61844	0.1143650	0.19020682	2.9944610	21	1 21.4	19.3
72636 2001 FB$_{35}$	16.1	X	46.38370	327.59103	136.79601	2.08297	0.0712401	0.24074312	2.5591758	21	1 8.9	18.9
72637 2001 FA$_{36}$	14.9	X	273.73763	93.76167	353.30561	9.11281	0.0560547	0.22013235	2.7165236	21	10 7.2	18.5
72638 2001 FK$_{36}$	15.6	X	350.67638	342.93835	193.13151	4.56527	0.1334663	0.24145404	2.5541500	21	1 10.9	18.6
72639 2001 FX$_{36}$	15.1	X	12.83805	184.97575	321.26796	7.20464	0.0900492	0.24178756	2.5518007	21	1 12.7	18.0
72640 2001 FQ$_{37}$	14.5	X	323.98358	302.94076	173.54737	10.58571	0.0576534	0.18197048	3.0841495	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72641 2001 FT_{37}	15.2	X	84.84093	262.10349	180.42817	13.68716	0.0654556	0.24332638	2.5410308	21	2 3.1	18.6
72642 2001 FC_{40}	15.1	X	278.49642	41.63255	339.32111	2.32254	0.0286754	0.21030463	2.8005080	21	7 23.4	18.9
72643 2001 FJ_{40}	13.5	X	216.79744	271.87500	3.28607	11.06485	0.0644806	0.18642580	3.0348137	21	—	—
72644 2001 FC_{41}	14.9	X	51.87683	140.89283	354.05167	10.32312	0.0829932	0.19594782	2.9356826	21	3 10.1	18.5
72645 2001 FX_{41}	13.7	X	181.08604	266.88113	10.87990	10.95290	0.1345181	0.18052093	3.1006376	21	—	—
72646 2001 FB_{42}	14.9	X	24.29792	167.50159	352.11758	6.96237	0.0876413	0.24344991	2.5401711	21	2 18.9	17.6
72647 2001 FO_{42}	14.4	X	292.43045	141.60697	3.58840	0.80118	0.0769490	0.18077803	3.0976971	21	—	—
72648 2001 FY_{42}	14.9	X	298.41769	199.58503	181.41789	5.88038	0.0666997	0.21230787	2.7828640	21	8 12.9	18.6
72649 2001 FU_{43}	15.6	X	303.11471	296.72394	190.09303	12.13088	0.1947612	0.22960336	2.6412969	21	—	—
72650 2001 FP_{44}	15.8	X	324.94704	278.37477	184.42731	23.39898	0.1975925	0.27932989	2.3177029	21	—	—
72651 2001 FU_{44}	14.0	X	216.56472	179.32364	12.90871	11.77208	0.1721701	0.17549812	3.1595197	21	11 16.9	19.1
72652 2001 FZ_{44}	15.3	X	231.93874	334.80870	151.45398	1.92704	0.0898957	0.21817850	2.7327176	21	10 1.9	19.2
72653 2001 FA_{45}	14.4	X	143.75016	296.01263	143.17447	2.70595	0.0569526	0.19963086	2.8994632	21	4 24.7	18.6
72654 2001 FD_{46}	15.4	X	293.99407	308.31220	179.15209	5.23848	0.1827567	0.22794504	2.6540919	21	12 19.7	18.2
72655 2001 FK_{46}	14.3	X	159.93529	129.23549	181.98701	10.29090	0.0874564	0.18150751	3.0893917	21	—	—
72656 2001 FL_{46}	15.4	X	224.71589	148.24643	27.41892	5.39510	0.2181077	0.22345536	2.6895247	21	11 9.0	19.6
72657 2001 FM_{46}	13.7	X	163.74705	286.34414	21.48208	15.23106	0.0770805	0.18171733	3.0870132	21	—	—
72658 2001 FS_{46}	14.2	X	275.21843	351.69923	193.74265	10.14605	0.0691683	0.18179634	3.0861187	21	—	—
72659 2001 FV_{46}	13.9	X	180.37029	355.32431	201.83553	9.23581	0.0934762	0.17069884	3.2184665	21	10 27.9	18.8
72660 2001 FA_{47}	14.5	X	247.48372	90.86240	200.73527	9.06314	0.0352749	0.19287200	2.9668113	21	2 16.3	18.9
72661 2001 FB_{48}	14.1	X	135.75355	61.22973	25.03458	15.33923	0.1335319	0.19988298	2.8970245	21	4 28.9	18.5
72662 2001 FT_{48}	13.3	X	113.48375	305.10586	16.72190	17.37234	0.1107113	0.17512423	3.1640152	21	—	—
72663 2001 FD_{49}	13.8	X	252.72617	243.03297	346.01139	10.20122	0.0503099	0.18423308	3.0588462	21	—	—
72664 2001 FH_{49}	14.0	X	257.72683	210.61461	343.25127	8.58410	0.1416587	0.18074398	3.0980862	21	—	—
72665 2001 FQ_{49}	13.9	X	279.85691	281.80238	202.47025	17.57388	0.1031926	0.17600156	3.1534918	21	11 21.6	18.3
72666 2001 FU_{50}	14.3	X	131.86895	269.24134	0.32183	4.26393	0.1339062	0.17264091	3.1942843	21	12 4.3	19.4
72667 2001 FY_{50}	13.1	X	197.34783	201.82051	12.18647	23.11716	0.0948332	0.17388073	3.1790821	21	11 25.9	18.3
72668 2001 FG_{51}	14.9	X	309.54945	283.31577	19.60990	2.02822	0.0476509	0.20206449	2.8761357	21	5 18.8	18.6
72669 2001 FF_{52}	14.1	X	224.56709	178.63192	359.50597	16.64445	0.0587270	0.17440757	3.1726768	21	11 18.1	19.0
72670 2001 FL_{52}	14.7	X	298.58586	215.83507	284.28059	4.10812	0.1638478	0.18119731	3.0929167	21	—	—
72671 2001 FS_{52}	15.5	X	250.97643	123.02191	9.50760	11.50129	0.1549630	0.22304560	2.6928176	21	10 21.6	19.3
72672 2001 FG_{53}	14.6	X	238.37078	222.96174	21.53361	3.41778	0.1194433	0.18219066	3.0816642	21	—	—
72673 2001 FW_{53}	14.2	X	315.91082	314.65293	209.60798	16.38451	0.1529783	0.18423301	3.0588470	21	—	—
72674 2001 FB_{54}	14.2	X	26.83778	112.64114	33.26938	15.48962	0.0434981	0.23839874	2.5759262	21	2 12.9	17.7
72675 2001 FP_{54}	14.7	X	188.17148	168.65440	18.74328	12.40038	0.0724368	0.21819248	2.7326009	21	10 28.3	18.8
72676 2001 FM_{56}	14.5	X	231.45528	60.92281	199.56710	10.78007	0.0362580	0.18523068	3.0478536	21	—	—
72677 2001 FA_{60}	16.4	X	218.35564	31.46304	48.52878	2.35112	0.1643843	0.26189220	2.4194743	21	7 12.6	20.1
72678 2001 FY_{60}	13.9	X	78.49717	20.01265	20.64422	11.16271	0.1048065	0.18772302	3.0208166	21	—	—
72679 2001 FF_{61}	15.7	X	325.86448	294.74371	159.82206	8.36031	0.0837857	0.22834185	2.6510161	21	—	—
72680 2001 FJ_{62}	14.9	X	205.62597	215.96560	115.67813	2.50463	0.0217696	0.19386902	2.9566308	21	2 20.5	19.1
72681 2001 FO_{62}	14.7	X	139.95777	292.78285	57.06709	5.49294	0.2176295	0.23571704	2.5954265	21	1 12.9	18.6
72682 2001 FV_{63}	14.1	X	78.52436	293.41654	31.01655	5.28153	0.1498109	0.17408656	3.1765758	21	12 19.2	19.0
72683 2001 FS_{64}	15.3	X	52.73242	325.91745	152.90814	6.62807	0.1733514	0.24364617	2.5388068	21	2 13.3	17.7
72684 2001 FX_{65}	15.0	X	343.41723	143.88084	68.71630	3.00730	0.0294060	0.19575838	2.9375762	21	3 13.6	18.9
72685 2001 FG_{66}	13.5	X	87.55770	351.60065	18.83941	15.01942	0.1103156	0.23149100	2.6269188	21	—	—
72686 2001 FQ_{67}	14.6	X	231.75890	65.45232	168.13525	8.48660	0.1649872	0.18135727	3.0910977	21	—	—
72687 2001 FW_{68}	14.8	X	287.73552	18.44244	25.63585	12.69990	0.1097997	0.21465277	2.7625600	21	8 30.6	18.5
72688 2001 FG_{69}	14.0	X	94.39240	263.89525	86.23955	4.39780	0.1055508	0.17928673	3.1148511	21	—	—
72689 2001 FD_{70}	14.7	X	219.79358	211.99115	72.70093	4.55246	0.0847309	0.18654873	3.0334803	21	1 11.5	19.4
72690 2001 FX_{71}	14.2	X	111.14455	322.22744	34.78544	10.14177	0.0723423	0.18205431	3.0832026	21	—	—
72691 2001 FA_{72}	14.4	X	51.85530	324.80574	172.64000	11.86248	0.0603072	0.19440785	2.9511652	21	3 10.8	18.1
72692 2001 FN_{72}	14.3	X	186.94885	212.22317	66.90780	6.42552	0.1061352	0.18039905	3.1020340	21	—	—
72693 2001 FS_{72}	14.4	X	164.62561	143.99416	33.59827	9.23486	0.0831024	0.21451885	2.7637096	21	9 25.3	18.6
72694 2001 FT_{72}	13.9	X	169.68395	140.49602	69.33623	4.57407	0.0613998	0.17077467	3.2175137	21	11 2.3	18.6
72695 2001 FN_{73}	14.3	X	57.06653	251.41452	164.42574	11.25931	0.0455620	0.18388630	3.0626907	21	—	—
72696 2001 FJ_{74}	14.7	X	196.92642	163.48530	155.61137	10.78491	0.0887553	0.18904409	3.0067268	21	1 27.2	19.3
72697 2001 FX_{75}	14.4	X	256.47905	292.59225	34.71199	9.10608	0.1689243	0.19796560	2.9157004	21	4 2.3	19.0
72698 2001 FZ_{75}	14.2	X	170.36603	130.67387	157.22562	10.07939	0.0578700	0.18161707	3.0881491	21	—	—
72699 2001 FN_{76}	14.8	X	261.45211	320.43230	87.74489	3.38644	0.0114405	0.20982803	2.8047471	21	8 9.1	18.6
72700 2001 FC_{77}	15.4	X	232.87300	315.96354	169.65448	8.45625	0.1370444	0.21786325	2.7353531	21	9 26.6	19.3
72701 2001 FZ_{77}	14.2	X	315.65701	126.37568	36.06416	16.85328	0.0235886	0.18282065	3.0745806	21	—	—
72702 2001 FQ_{78}	14.0	X	218.71208	92.21532	187.36417	11.21506	0.0420084	0.18264257	3.0765788	21	1 4.1	18.8
72703 2001 FM_{79}	14.7	X	292.49907	348.73076	273.50072	8.84815	0.1004187	0.19338313	2.9615813	21	2 23.2	19.1
72704 2001 FX_{79}	15.4	X	37.55159	183.60328	308.74774	6.65388	0.1442947	0.24168410	2.5525289	21	2 1.8	17.9
72705 2001 FO_{80}	14.7	X	317.11418	300.43431	228.21278	10.52250	0.0949214	0.18547559	3.0451700	21	—	—
72706 2001 FU_{80}	14.4	X	292.91022	275.90430	229.80481	9.96476	0.1238538	0.17988330	3.1079604	21	—	—
72707 2001 FX_{80}	14.8	X	1.77056	236.10052	75.19075	4.50271	0.0864546	0.21196903	2.7858289	21	8 19.4	18.1
72708 2001 FS_{81}	14.6	X	53.04830	254.93889	330.43671	11.98678	0.0589507	0.20691175	2.8310396	21	7 8.9	18.4
72709 2001 FP_{82}	15.4	X	324.10868	282.63972	120.64262	5.62980	0.0055860	0.21892544	2.7264983	21	10 27.9	19.1
72710 2001 FV_{82}	14.1	X	103.07681	103.03472	203.58765	17.75928	0.1499859	0.17358109	3.1827396	21	12 21.3	19.4
72711 2001 FW_{82}	14.6	X	237.56866	248.60123	327.84041	8.19893	0.0655137	0.18109398	3.0940930	21	—	—
72712 2001 FT_{84}	15.0	X	154.60136	224.21098	98.92000	2.29143	0.2598753	0.18261685	3.0768677	21	1 6.5	20.0
72713 2001 FQ_{86}	15.0	X	6.16180	3.10927	116.46444	8.11871	0.1978742	0.23688654	2.5868771	21	—	—
72714 2001 FV_{86}	14.5	X	125.08676	278.27160	130.73460	11.05688	0.1086990	0.19302330	2.9652607	21	3 4.9	18.8
72715 2001 FW_{86}	14.2	X	193.59157	187.90032	144.30474	11.52125	0.1074260	0.18916561	3.0054390	21	2 9.6	18.9
72716 2001 FQ_{87}	14.2	X	177.90582	192.16937	162.93690	11.08219	0.0779953	0.19086525	2.9875704	21	2 19.0	18.7
72717 2001 FA_{88}	14.4	X	236.30052	208.83634	42.13022	11.90914	0.0209323	0.18534592	3.0465901	21	—	—
72718 2001 FJ_{90}	14.4	X	249.18348	246.50989	0.50394	3.07610	0.0666540	0.18665619	3.0323160	21	—	—
72719 2001 FT_{90}	14.7	X	23.61550	78.61416	93.97132	3.27506	0.0456479	0.19455122	2.9497152	21	3 17.1	18.5
72720 2001 FB_{91}	15.1	X	278.22291	39.75204	53.55514	8.72434	0.2757652	0.27016340	2.3698365	21	9 30.5	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72721 2001 FX$_{91}$	15.1	X	150.21764	126.93559	25.31277	12.79008	0.0548893	0.21279318	2.7786312	21	8 9.2	19.4
72722 2001 FA$_{92}$	14.7	X	45.79677	193.42109	109.78033	8.92481	0.1093854	0.21743337	2.7389572	21	10 21.9	18.4
72723 2001 FH$_{93}$	15.2	X	86.16495	206.66387	66.44369	6.99528	0.0325217	0.21914535	2.7246740	21	10 22.0	19.0
72724 2001 FV$_{93}$	14.2	X	145.71490	214.38019	83.60378	10.76893	0.1329834	0.17999109	3.1067196	21	—	—
72725 2001 FP$_{94}$	14.1	X	149.32623	183.18294	78.81935	6.99010	0.1287775	0.17479973	3.1679297	21	12 12.0	19.0
72726 2001 FY$_{94}$	13.7	X	97.72553	169.80525	155.37310	19.18701	0.1702117	0.17573518	3.1566777	21	—	—
72727 2001 FP$_{96}$	13.4	X	134.59304	223.17045	41.20990	14.84310	0.0577216	0.17337371	3.1852772	21	11 26.6	18.2
72728 2001 FQ$_{96}$	14.5	X	261.69548	152.71164	151.91998	12.61052	0.0279388	0.19621253	2.9330416	21	3 26.9	18.7
72729 2001 FY$_{96}$	14.3	X	166.86311	158.33352	145.08285	11.36573	0.0846727	0.18197837	3.0840604	21	—	—
72730 2001 FR$_{99}$	14.6	X	59.33475	355.11286	60.92267	11.79489	0.0414725	0.18456801	3.0551445	21	—	—
72731 2001 FM$_{100}$	14.3	X	129.36830	17.72841	305.75952	13.27203	0.0838028	0.23238171	2.6202019	21	—	—
72732 2001 FR$_{101}$	15.3	X	152.41658	258.06463	283.08691	5.41408	0.0745927	0.26446436	2.4037610	21	9 14.2	18.7
72733 2001 FT$_{101}$	15.2	X	76.06989	30.22665	199.06831	12.11311	0.0545740	0.21151357	2.7898267	21	8 8.9	19.2
72734 2001 FA$_{102}$	14.5	X	322.09165	242.39391	300.75893	9.66038	0.0581873	0.19028392	2.9936521	21	1 5.3	18.7
72735 2001 FM$_{102}$	14.5	X	173.62987	37.11423	186.14975	4.55825	0.1048666	0.17283109	3.1919407	21	11 20.8	19.6
72736 2001 FM$_{103}$	15.6	X	304.43259	357.38679	224.08710	1.62229	0.1318573	0.19204171	2.9753565	21	1 18.6	19.7
72737 2001 FF$_{104}$	15.0	X	94.42377	240.59671	321.48537	6.72858	0.1488800	0.20963911	2.8064320	21	8 13.4	19.1
72738 2001 FG$_{104}$	15.1	X	351.95330	132.82779	303.56473	3.74542	0.0514087	0.22999255	2.6383164	21	—	—
72739 2001 FU$_{105}$	14.5	X	176.28782	210.20445	67.12149	3.94049	0.1175059	0.18305880	3.0719135	21	—	—
72740 2001 FZ$_{105}$	13.7	X	138.72322	267.08877	359.88461	16.96404	0.1456365	0.17608193	3.1525322	21	12 5.8	19.1
72741 2001 FN$_{106}$	14.7	X	29.78386	217.44712	145.37602	13.36572	0.1638329	0.22439805	2.6819869	21	12 21.9	18.4
72742 2001 FY$_{108}$	14.1	X	115.77448	1.66276	357.37814	7.16155	0.0242471	0.18492924	3.0511648	21	—	—
72743 2001 FS$_{115}$	14.7	X	145.52749	338.58193	6.68859	10.22550	0.0533413	0.18835079	3.0141006	21	1 3.5	19.2
72744 2001 FF$_{116}$	15.3	X	263.53003	321.74182	203.69222	14.75437	0.0533078	0.22897004	2.6461651	21	—	—
72745 2001 FU$_{117}$	15.1	X	163.76147	13.45283	225.60689	12.31162	0.1047626	0.22461469	2.6802622	21	12 6.5	19.2
72746 2001 FN$_{120}$	15.1	X	45.46394	242.97269	40.35146	5.09733	0.0941125	0.21210336	2.7846525	21	9 19.8	18.7
72747 2001 FR$_{121}$	14.0	X	146.37255	265.99503	82.89173	11.20200	0.1405492	0.18523976	3.0477539	21	1 18.6	18.7
72748 2001 FR$_{126}$	14.9	X	327.48474	12.46971	170.84546	16.28762	0.0403008	0.18923617	3.0046919	21	1 12.8	19.3
72749 2001 FX$_{126}$	13.8	X	154.59532	225.31450	24.73649	22.60628	0.0520752	0.17439142	3.1728726	21	11 26.9	18.8
72750 2001 FH$_{127}$	14.0	X	267.24376	44.08153	98.47128	10.43753	0.0459706	0.17486159	3.1671826	21	12 4.8	18.4
72751 2001 FW$_{128}$	15.2	X	352.55490	327.22155	137.97422	8.67974	0.1313203	0.23402863	2.6078947	21	—	—
72752 2001 FR$_{129}$	14.3	X	300.98653	322.88359	197.14916	9.24964	0.0384210	0.18397683	3.0616859	21	—	—
72753 2001 FK$_{130}$	16.1	X	177.99585	215.64018	256.98863	2.09614	0.1634024	0.25990124	2.4318147	21	7 15.5	19.8
72754 2001 FC$_{131}$	15.9	X	230.48124	190.75832	311.33232	1.23916	0.0258401	0.22062708	2.7124610	21	10 28.2	19.6
72755 2001 FO$_{132}$	14.9	X	143.08364	338.13748	25.70370	13.37445	0.0676367	0.23853265	2.5749620	21	1 16.7	18.7
72756 2001 FA$_{135}$	14.0	X	14.22623	10.16211	233.68595	13.95937	0.0999009	0.20488691	2.8496613	21	6 4.3	17.4
72757 2001 FP$_{135}$	15.0	X	114.04526	336.75617	5.30152	15.42243	0.1266410	0.23359206	2.6111430	21	—	—
72758 2001 FB$_{136}$	14.4	X	70.68036	258.05313	59.38528	12.63877	0.1468689	0.21978715	2.7193671	21	12 9.4	18.4
72759 2001 FF$_{139}$	15.0	X	41.62397	126.58713	208.83977	1.99081	0.0971144	0.21966410	2.7203826	21	11 21.2	18.6
72760 2001 FZ$_{139}$	14.9	X	132.89493	227.20977	319.90646	8.40926	0.0627543	0.21167264	2.7884288	21	8 27.6	18.9
72761 2001 FS$_{142}$	14.5	X	294.20324	200.43770	310.39388	14.96222	0.0282789	0.18116573	3.0932760	21	—	—
72762 2001 FT$_{142}$	14.6	X	240.66888	270.61083	312.67682	10.35858	0.0617841	0.18306619	3.0718308	21	—	—
72763 2001 FT$_{143}$	13.7	X	35.61259	275.28724	97.59546	5.83933	0.1194372	0.17246507	3.1964552	21	12 23.1	17.8
72764 2001 FA$_{144}$	14.6	X	12.06428	315.72740	55.86151	13.24156	0.0506074	0.21820463	2.7324994	21	11 20.1	18.1
72765 2001 FK$_{144}$	15.2	X	284.85065	345.64837	177.86898	10.35868	0.1688926	0.22879536	2.6475118	21	—	—
72766 2001 FS$_{144}$	14.2	X	339.29566	319.71894	177.71220	11.47491	0.0940660	0.18407310	3.0606183	21	—	—
72767 2001 FJ$_{145}$	15.0	X	14.97332	154.60779	172.56841	6.17913	0.0630064	0.21685339	2.7438387	21	9 28.7	18.4
72768 2001 FD$_{146}$	14.8	X	276.69894	116.05380	306.05542	8.71077	0.0562424	0.21613598	2.7499070	21	9 6.3	18.5
72769 2001 FQ$_{147}$	14.8	X	336.84374	331.35779	264.37929	8.77318	0.0262452	0.19704530	2.9247718	21	3 28.4	18.9
72770 2001 FR$_{147}$	14.1	X	203.24666	283.05922	320.24015	9.53771	0.0579988	0.17945302	3.1129265	21	—	—
72771 2001 FT$_{147}$	15.4	X	283.81809	53.39856	183.36697	0.20092	0.1582004	0.19000118	2.9966213	21	1 11.9	20.0
72772 2001 FU$_{147}$	14.8	X	340.36853	292.59459	268.58949	8.87953	0.0537258	0.19313489	2.9641185	21	2 15.6	18.9
72773 2001 FL$_{150}$	15.0	X	268.85342	338.16501	214.53071	16.95773	0.1507031	0.18203909	3.0833745	21	—	—
72774 2001 FV$_{150}$	14.5	X	267.57113	10.75434	280.84459	2.92894	0.0468235	0.19407941	2.9544937	21	3 11.4	18.7
72775 2001 FJ$_{152}$	14.7	X	147.37816	333.19238	14.07902	15.65232	0.1390255	0.23759097	2.5817614	21	1 10.2	18.7
72776 2001 FL$_{152}$	14.3	X	93.55551	212.48924	92.33820	6.25201	0.1608429	0.17423347	3.1747899	21	12 12.7	19.1
72777 2001 FJ$_{154}$	14.1	X	191.31962	46.71041	278.36019	11.87267	0.1724013	0.24041586	2.5614977	21	1 23.3	18.3
72778 2001 FV$_{157}$	14.1	X	118.40281	256.87033	143.82175	11.65439	0.0948662	0.19048373	2.9915583	21	2 11.2	18.3
72779 2001 FA$_{159}$	15.4	X	87.24763	279.31591	168.85670	14.61281	0.0773071	0.24457764	2.5323567	21	2 16.6	18.5
72780 2001 FW$_{163}$	15.3	X	62.41183	230.55341	171.89236	14.78424	0.1062691	0.23460455	2.6036250	21	—	—
72781 2001 FG$_{166}$	15.6	X	161.06476	180.78710	63.73287	2.01171	0.1392201	0.17337501	3.1852612	21	12 2.2	20.5
72782 2001 FF$_{167}$	14.2	X	354.84279	328.55300	159.93672	3.85287	0.1095015	0.18478467	3.0527560	21	—	—
72783 2001 FX$_{168}$	13.2	X	154.24073	283.83483	65.72446	11.61577	0.1516362	0.18493912	3.0510561	21	1 29.9	18.1
72784 2001 FA$_{170}$	14.9	X	40.92114	107.71675	326.93963	14.32939	0.0540681	0.23438864	2.6052237	21	—	—
72785 2001 FB$_{170}$	14.3	X	312.08006	219.45400	262.48644	9.76411	0.0412363	0.18030644	3.1030961	21	—	—
72786 2001 FZ$_{170}$	14.6	X	33.74004	209.44588	207.83713	15.09257	0.1695814	0.22996164	2.6385527	21	—	—
72787 2001 FB$_{171}$	14.3	X	283.19735	297.08369	216.17829	8.16411	0.0048114	0.17803702	3.1294103	21	—	—
72788 2001 FV$_{171}$	13.6	X	247.35980	172.00523	49.52145	22.96664	0.1533672	0.18199115	3.0839160	21	—	—
72789 2001 FG$_{173}$	15.5	X	300.27075	225.78284	177.95426	5.25600	0.1649493	0.21776579	2.7361692	21	9 3.4	18.5
72790 2001 FR$_{175}$	14.2	X	222.46375	148.93557	92.09752	10.83448	0.0480900	0.18332956	3.0688881	21	—	—
72791 2001 FW$_{175}$	14.6	X	199.07740	206.85087	59.13187	10.90769	0.0547623	0.18336349	3.0685095	21	—	—
72792 2001 FD$_{176}$	14.4	X	182.65572	244.38409	107.10512	10.54476	0.0681015	0.19287570	2.9667734	21	2 22.5	18.9
72793 2001 FF$_{176}$	14.2	X	179.78150	235.05317	69.54808	9.88183	0.0751856	0.18508602	3.0494415	21	—	—
72794 2001 FA$_{178}$	14.4	X	115.59125	170.32164	166.08073	9.83647	0.0802010	0.17880261	3.1204710	21	—	—
72795 2001 FJ$_{179}$	14.5	X	77.16523	214.88124	152.02936	22.55902	0.0799406	0.18092104	3.0960645	21	—	—
72796 2001 FR$_{179}$	15.5	X	350.95191	54.76841	85.85387	9.06394	0.1250948	0.23680971	2.5874365	21	—	—
72797 2001 FU$_{180}$	14.7	X	340.75939	145.84376	49.02416	2.33065	0.0286177	0.19139361	2.9820695	21	2 16.3	18.6
72798 2001 FL$_{186}$	15.3	X	344.51674	176.57618	153.20612	5.43706	0.0776340	0.21239677	2.7820874	21	8 14.2	18.4
72799 2001 FC$_{188}$	15.0	X	247.39573	276.11437	87.09867	13.66128	0.0208268	0.25594898	2.4567848	21	5 20.3	18.3
72800 2001 FR$_{188}$	14.3	X	186.86779	167.80803	87.99234	11.37567	0.0805999	0.18180964	3.0859682	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72801 Manzanera	14.3	X	4.46259	355.77222	24.87862	3.23209	0.1388995	0.16951152	3.2334780	21	11 19.0	18.2
72802 Wetton	15.0	X	245.63486	130.84186	184.25687	5.08070	0.0880952	0.19705052	2.9247202	21	3 11.9	19.4
72803 2001 GD	13.4	X	142.54965	352.23797	258.77089	18.45054	0.1580534	0.17321508	3.1872215	21	11 23.6	18.6
72804 Caldentey	14.4	X	215.31614	241.81958	63.73942	12.14643	0.0761299	0.19216805	2.9740523	21	2 2.6	19.1
72805 2001 GN_1	14.4	X	206.61826	204.16690	39.59926	14.07906	0.1152525	0.23115003	2.6295014	21	—	—
72806 2001 GA_5	14.3	X	96.00619	305.08859	58.53789	15.43105	0.1215438	0.23106942	2.6301130	21	—	—
72807 2001 GG_5	13.4	X	193.27534	226.33710	35.67210	16.09661	0.1644997	0.18011946	3.1052433	21	—	—
72808 2001 GS_5	14.8	X	92.31094	55.54784	20.58142	8.80249	0.0687577	0.19186569	2.9771760	21	2 22.1	18.9
72809 2001 GW_5	14.0	X	101.60794	222.51327	175.26949	27.86805	0.1106183	0.23683432	2.5872573	21	1 8.4	17.9
72810 2001 GJ_7	14.7	X	257.07022	169.72879	110.99760	11.36427	0.0611256	0.18963648	3.0004619	21	2 17.1	19.1
72811 2001 GN_7	14.5	X	316.51069	58.72116	112.81325	11.41412	0.0501368	0.18400383	3.0613864	21	—	—
72812 2001 GB_8	14.2	X	102.60956	308.65001	70.29073	11.32376	0.0267881	0.18327375	3.0695111	21	—	—
72813 2001 GP_8	13.6	X	138.39871	271.49464	69.65853	16.99895	0.2429732	0.17872787	3.1213408	21	1 13.3	18.7
72814 2001 GX_8	15.2	X	228.13436	50.93044	44.96903	5.01465	0.0266712	0.21069317	2.7970641	21	8 28.2	19.1
72815 2001 GY_8	14.3	X	109.89536	274.80481	97.06866	12.38075	0.2152694	0.23139275	2.6276623	21	1 4.9	17.6
72816 2001 GJ_9	14.4	X	184.42780	109.39253	192.67552	8.31350	0.0719092	0.18201691	3.0836250	21	—	—
72817 2001 GH_{11}	15.2	X	231.32612	17.19494	97.31704	12.03366	0.1112795	0.21544541	2.7557801	21	9 18.8	19.4
72818 2001 HM	14.6	X	74.07165	71.81609	33.63968	13.38572	0.1393682	0.24060335	2.5601668	21	3 10.1	17.7
72819 Brunet	14.4	X	8.15108	257.16382	174.81730	9.31725	0.0663467	0.17494364	3.1661922	21	—	—
72820 2001 HR_1	15.0	X	141.58436	86.27252	31.01100	3.66942	0.1221852	0.20351144	2.8624868	21	6 13.9	19.5
72821 2001 HW_2	15.3	X	94.23104	27.85093	215.60636	3.87476	0.0466215	0.21191655	2.7862888	21	9 21.3	19.3
72822 2001 HF_3	14.3	X	329.21234	129.52282	36.90941	9.63401	0.0833377	0.18506588	3.0496628	21	—	—
72823 2001 HO_3	14.0	X	205.09580	100.92529	50.80857	11.95973	0.1394954	0.21540915	2.7560893	21	10 3.9	18.4
72824 2001 HG_4	14.5	X	290.59878	338.09297	229.22823	13.11574	0.2457824	0.18416331	3.0596187	21	—	—
72825 2001 HZ_5	13.1	X	171.04764	238.03721	42.57124	16.90578	0.0237413	0.17539519	3.1607557	21	—	—
72826 2001 HD_7	14.1	X	246.55368	279.75592	213.21554	21.70938	0.1613426	0.16998110	3.2275202	21	10 10.6	19.0
72827 Maxaub	14.6	X	275.20955	106.79904	107.55772	14.92409	0.1228826	0.23625707	2.5914699	21	—	—
72828 2001 HG_{10}	13.8	X	177.63157	30.99008	214.69329	22.29118	0.0842912	0.17188885	3.2035948	21	12 18.4	19.0
72829 2001 HQ_{11}	14.5	X	232.26599	235.55609	214.40665	12.67294	0.1724542	0.21249941	2.7811915	21	8 2.4	19.1
72830 2001 HL_{13}	14.1	X	103.78878	143.00645	201.73869	4.59357	0.1695691	0.17489657	3.1667602	21	—	—
72831 2001 HJ_{14}	14.1	X	217.95461	35.23078	223.77966	15.82758	0.1020903	0.18101455	3.0949981	21	—	—
72832 2001 HW_{14}	15.7	X	27.84110	277.32693	17.43879	4.52347	0.0451027	0.21175440	2.7877110	21	9 2.5	19.4
72833 2001 HL_{15}	14.4	X	267.61822	147.46873	307.79600	11.34479	0.0705956	0.21986216	2.7187487	21	10 3.2	18.2
72834 Guywells	15.1	X	309.30833	266.08698	183.85111	11.94512	0.1483539	0.22349542	2.6892032	21	11 29.6	18.2
72835 2001 HE_{19}	15.7	X	83.53506	228.25134	218.69202	5.10849	0.0646525	0.18936976	3.0032786	21	2 18.1	19.8
72836 2001 HF_{22}	14.0	X	322.93445	222.25814	216.72540	14.07734	0.0412117	0.17223371	3.1993170	21	11 28.9	18.4
72837 2001 HQ_{24}	14.8	X	207.06108	355.44966	55.37447	13.97044	0.1066274	0.20257754	2.8712776	21	5 26.9	19.2
72838 2001 HM_{29}	14.3	X	0.15562	282.39454	224.18251	19.61180	0.1230156	0.18620090	3.0372569	21	—	—
72839 2001 HS_{31}	14.9	X	237.39293	43.22575	127.02783	9.59063	0.1805180	0.22132595	2.7067480	21	11 23.3	18.9
72840 2001 HW_{31}	13.6	X	324.15540	86.39174	68.73522	17.21621	0.0706320	0.18033671	3.1027488	21	—	—
72841 2001 HC_{32}	15.1	X	11.27082	40.59123	149.31084	2.83499	0.0553665	0.19482985	2.9469021	21	3 20.6	18.8
72842 2001 HY_{32}	14.2	X	250.24703	136.91343	29.70558	5.87820	0.0922098	0.17493728	3.1662690	21	12 4.5	18.6
72843 2001 HP_{33}	14.4	X	65.10491	70.02539	43.79343	12.39606	0.0680165	0.19051206	2.9912616	21	3 7.7	18.5
72844 2001 HL_{34}	14.7	X	259.93932	311.84819	217.38912	8.80089	0.0419825	0.17502360	3.1652278	21	12 26.4	19.2
72845 2001 HP_{34}	14.0	X	310.76288	262.71191	220.73895	12.60059	0.1493130	0.17747722	3.1359874	21	12 30.0	17.9
72846 2001 HY_{35}	13.9	X	189.96901	121.02811	217.61854	8.36512	0.0905626	0.18547993	3.0451225	21	2 10.8	18.8
72847 2001 HD_{36}	13.9	X	240.20238	342.47178	35.30218	17.11398	0.0298275	0.19911534	2.9044656	21	5 25.8	18.2
72848 2001 HV_{36}	14.1	X	0.88517	58.41185	56.30341	16.50826	0.0585484	0.17958277	3.1114269	21	—	—
72849 2001 HK_{40}	13.9	X	184.73448	103.46973	115.05054	11.82866	0.0861129	0.17238194	3.1974827	21	11 28.6	18.9
72850 2001 HV_{40}	14.0	X	26.46639	326.95904	78.56647	22.72398	0.0607867	0.22412863	2.6841358	21	—	—
72851 2001 HW_{41}	14.6	X	289.28217	277.07702	185.63989	14.62093	0.0752001	0.22229655	2.6988634	21	11 21.1	18.2
72852 2001 HD_{42}	13.8	X	116.01318	334.59734	39.37947	16.47591	0.1188428	0.18444199	3.0565360	21	1 14.4	18.4
72853 2001 HE_{42}	14.5	X	18.90472	267.69685	172.38335	9.60257	0.0850230	0.18189170	3.0850400	21	—	—
72854 2001 HK_{43}	14.4	X	100.40452	338.84333	46.45982	10.22922	0.0632184	0.18245435	3.0786943	21	—	—
72855 2001 HX_{43}	14.7	X	121.24852	27.35855	33.43066	6.05437	0.1926743	0.24172555	2.5522371	21	3 19.5	18.2
72856 2001 HB_{45}	14.1	X	10.54124	29.21368	13.42110	9.44119	0.0712507	0.17431054	3.1738540	21	12 19.6	18.5
72857 2001 HL_{46}	15.1	X	229.36175	165.65553	42.71351	3.19691	0.0714590	0.17862171	3.1225775	21	—	—
72858 2001 HO_{46}	15.2	X	235.46496	206.68105	28.75736	1.54776	0.1244021	0.18109765	3.0940512	21	—	—
72859 2001 HS_{46}	14.3	X	60.38664	89.79091	40.85067	10.67465	0.0419224	0.19182852	2.9775605	21	3 17.9	18.4
72860 2001 HL_{48}	14.6	X	311.92594	202.26557	281.75929	14.61934	0.0952186	0.22932366	2.6434442	21	—	—
72861 2001 HN_{49}	14.7	X	340.04534	196.76058	337.98563	10.57842	0.0560006	0.18735818	3.0247369	21	1 20.7	18.8
72862 2001 HE_{50}	14.4	X	236.22479	214.63105	57.17873	14.51764	0.0742292	0.23663003	2.5887462	21	1 3.7	18.4
72863 2001 HJ_{51}	16.2	X	84.92055	85.83821	202.18869	2.22763	0.1714882	0.26314147	2.4118105	21	11 28.6	19.8
72864 2001 HD_{54}	13.7	X	61.64906	289.03194	98.26984	27.67047	0.1715803	0.22413545	2.6840814	21	—	—
72865 2001 HK_{58}	13.6	X	303.86499	77.28412	80.30290	14.25895	0.0117460	0.17783572	3.1317714	21	—	—
72866 2001 HQ_{58}	14.6	X	309.63721	314.38423	259.45937	9.81439	0.0467325	0.18912150	3.0059063	21	1 25.6	19.0
72867 2001 HU_{58}	14.8	X	187.70438	56.02774	267.47385	7.58803	0.0240084	0.18732969	3.0250436	21	1 20.2	19.2
72868 2001 HE_{59}	14.7	X	283.49299	305.14350	263.64015	7.94147	0.1610341	0.18383222	3.0632913	21	—	—
72869 2001 HE_{62}	14.1	X	129.27655	346.19903	308.77748	6.00147	0.1525009	0.17256312	3.1952442	21	—	—
72870 2001 HT_{65}	14.2	X	320.54511	246.04541	227.37408	21.52908	0.0354916	0.17428259	3.1741933	21	—	—
72871 2001 JM_3	15.3	X	130.25733	328.62186	235.87264	6.87751	0.1569867	0.21229065	2.7830146	21	9 20.4	19.9
72872 2001 JT_3	13.1	X	39.59939	36.53164	72.74946	14.39573	0.1184873	0.18600264	3.0394148	21	1 22.8	16.9
72873 2001 JX_4	15.0	X	138.96785	20.86877	56.99603	12.13101	0.0754880	0.19627964	2.9323730	21	4 21.9	19.3
72874 2001 JF_6	14.4	X	290.72727	343.22429	49.47505	11.58873	0.1821359	0.21025378	2.8009596	21	8 5.5	18.2
72875 2001 JC_8	13.8	X	92.70752	328.14483	52.61220	15.99533	0.2249012	0.17809432	3.1287390	21	1 8.0	18.1
72876 Vauriot	14.5	X	162.20283	347.15440	64.69170	16.13356	0.2040396	0.24378905	2.5378148	21	4 22.2	18.8
72877 2001 KL_2	14.0	X	78.39454	213.21807	111.77404	13.71338	0.0552309	0.17059328	3.2197941	21	12 9.9	18.8
72878 2001 KD_4	13.5	X	31.31485	306.45390	69.13677	11.36448	0.0966909	0.16858210	3.2453514	21	12 16.3	17.8
72879 2001 KR_5	14.0	X	38.92376	183.37467	225.49253	15.73464	0.0751389	0.17743989	3.1364272	21	—	—
72880 2001 KP_7	14.3	X	259.10896	292.95986	198.50555	5.47492	0.1301050	0.17118383	3.2123848	21	10 29.6	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72881 2001 KU_{7}	14.2	X	289.85593	149.40025	68.65211	10.94503	0.0473544	0.18422440	3.0589422	21	1 11.5	18.6
72882 2001 KM_{9}	13.9	X	305.44731	250.06401	213.03518	16.57836	0.1159476	0.17258105	3.1950230	21	11 29.4	18.0
72883 2001 KJ_{12}	13.9	X	169.93115	137.98311	234.25134	20.02348	0.0609639	0.18611683	3.0381715	21	2 23.3	18.9
72884 2001 KK_{12}	14.6	X	294.07548	84.84899	118.20551	6.23289	0.1089766	0.18184743	3.0855407	21	—	—
72885 2001 KJ_{14}	13.7	X	247.96830	124.30240	70.46769	12.54627	0.0346686	0.17658015	3.1465994	21	—	—
72886 2001 KC_{18}	14.9	X	43.91343	343.55476	177.66319	10.76100	0.0514566	0.19274032	2.9681624	21	3 30.8	18.7
72887 2001 KE_{19}	14.0	X	53.90270	155.09873	214.16160	15.39884	0.1566238	0.17073148	3.2180563	21	—	—
72888 2001 KW_{25}	14.1	X	241.95117	334.02286	252.30908	15.30119	0.1065185	0.17842474	3.1248751	21	—	—
72889 2001 KG_{26}	14.7	X	172.59439	309.38635	293.43120	3.64333	0.1226403	0.17109833	3.2134548	21	12 10.4	19.9
72890 2001 KF_{29}	14.2	X	190.08746	73.97487	256.86716	7.78899	0.1166962	0.18507426	3.0495706	21	2 3.1	19.2
72891 2001 KL_{31}	14.3	X	210.30164	51.69804	190.74589	14.03073	0.0801216	0.17619416	3.1511933	21	—	—
72892 2001 KH_{38}	13.9	X	51.37361	328.71199	88.08823	14.80344	0.1543071	0.22643213	2.6659009	21	—	—
72893 2001 KG_{43}	14.1	X	100.56639	172.08989	217.40576	19.04199	0.0972062	0.17950775	3.1122938	21	1 5.7	18.8
72894 2001 KE_{45}	13.6	X	6.96863	10.36958	97.90414	18.76146	0.1706296	0.17949111	3.1124862	21	—	—
72895 2001 KA_{52}	15.2	X	88.02777	29.94617	55.91113	11.18201	0.0865076	0.23971573	2.5664828	21	2 24.7	18.6
72896 2001 KA_{54}	14.5	X	144.95823	109.97427	199.43012	5.06596	0.0680639	0.17514973	3.1637081	21	—	—
72897 2001 KM_{55}	13.7	X	255.15584	80.36806	85.34742	17.24969	0.0740632	0.17426036	3.1744633	21	12 12.9	18.0
72898 2001 KO_{56}	13.8	X	92.02268	276.19309	76.16985	18.09932	0.0646774	0.17692426	3.1425181	21	—	—
72899 2001 KA_{61}	14.4	X	96.88644	168.15379	213.44749	9.92853	0.0835993	0.18003142	3.1062555	21	—	—
72900 2001 KB_{61}	14.4	X	164.77697	177.35421	211.72711	10.25877	0.1162086	0.19005261	2.9960806	21	3 19.1	19.1
72901 2001 KJ_{69}	14.9	X	175.88325	323.27035	192.67302	25.09471	0.0800946	0.21065968	2.7973605	21	9 3.2	19.3
72902 2001 KE_{71}	14.4	X	195.63462	312.53790	59.26963	11.06410	0.1908982	0.19194036	2.9764037	21	4 4.3	19.5
72903 2001 KO_{71}	13.9	X	175.12041	187.72708	206.48020	11.69892	0.2409343	0.19316427	2.9638179	21	4 10.2	19.0
72904 2001 KM_{74}	14.1	X	47.62833	198.15837	224.53276	20.52274	0.0226085	0.17643699	3.1483013	21	—	—
72905 2001 LX	15.8	X	178.16401	44.14416	229.61779	3.52284	0.1550247	0.27151130	2.3619867	21	—	—
72906 2001 LQ_{1}	14.5	X	121.37309	218.37652	200.47964	10.52294	0.1008305	0.18652980	3.0336856	21	3 7.9	18.9
72907 2001 MY_{1}	14.3	X	67.15478	108.69072	29.86813	13.91371	0.1008325	0.24223709	2.5486427	21	4 4.6	17.3
72908 2001 MC_{11}	13.7	X	6.36629	162.16351	300.93332	9.70998	0.1456485	0.17126183	3.2114093	21	—	—
72909 2001 NH	15.6	X	247.41126	250.57742	347.13655	6.63163	0.0737955	0.27402474	2.3475212	21	—	—
72910 2001 ND_{16}	16.8	X	189.54942	136.99709	246.72071	1.19887	0.1577550	0.28219369	2.3019957	21	3 31.2	20.3
72911 2001 OC_{32}	12.8	X	90.48859	120.56411	304.34315	15.01440	0.0870831	0.17571597	3.1569077	21	2 5.8	17.0
72912 2001 OA_{84}	14.8	X	56.49673	329.68754	46.37353	13.30882	0.1677421	0.22701952	2.6613005	21	—	—
72913 2001 OA_{95}	14.0	X	87.57891	106.31035	300.46146	5.27653	0.1230504	0.17440545	3.1727025	21	1 18.3	18.1
72914 2001 PS_{14}	16.5	X	121.09090	190.94719	177.45534	2.40022	0.2305891	0.26917013	2.3756629	21	1 8.3	19.3
72915 2001 PK_{24}	13.5	X	4.25591	38.34921	124.06415	9.61976	0.0957210	0.17475706	3.1684454	21	2 5.2	17.4
72916 2001 QR_{53}	16.2	X	236.63957	30.46606	53.15726	4.81348	0.1117139	0.29443347	2.2377484	21	8 15.9	19.0
72917 2001 QX_{87}	16.4	X	177.59478	297.39121	156.32833	6.23681	0.1236390	0.28837558	2.2689786	21	6 19.9	19.8
72918 2001 RB_{134}	16.3	X	39.26797	273.45070	131.47039	3.18178	0.1692032	0.25894958	2.4377691	21	—	—
72919 2001 SJ_{45}	15.3	X	359.84709	356.27562	97.58271	4.96110	0.0639731	0.21021500	2.8013040	21	—	—
72920 2001 SK_{79}	14.4	X	224.63122	240.01589	163.57944	9.84787	0.1152691	0.18920931	3.0049762	21	6 7.3	19.2
72921 2001 UU_{36}	15.9	X	217.65830	212.42624	118.12512	8.18635	0.1301906	0.27313112	2.3526388	21	2 21.7	19.5
72922 2001 UL_{213}	16.5	X	211.76875	85.80471	36.67499	13.26071	0.1330571	0.24053708	2.5606371	21	9 7.9	20.5
72923 2001 VM_{32}	15.6	X	210.05153	296.60983	12.33092	2.50698	0.2069503	0.26678485	2.3898021	21	1 20.0	19.5
72924 2001 WM_{66}	15.6	X	19.62096	119.10802	141.81595	2.14132	0.1470285	0.23578219	2.5949484	21	7 11.7	18.2
72925 2001 XJ_{90}	15.8	X	136.42908	222.05445	271.24209	1.11297	0.0155157	0.23025800	2.6362882	21	6 18.5	19.2
72926 2001 XB_{128}	15.6	X	301.69020	225.24994	91.57013	3.83109	0.1036387	0.22956301	2.6416064	21	5 17.3	18.8
72927 2001 XX_{155}	15.9	X	281.92447	71.36101	116.20152	4.75779	0.0282607	0.25461876	2.4653341	21	—	—
72928 2002 AD_{5}	15.7	X	237.22892	289.03462	219.09129	1.64593	0.0492784	0.19068197	2.9894845	21	11 6.0	19.8
72929 2002 AV_{8}	16.2	X	255.84471	274.69441	1.41176	3.76745	0.1099911	0.30446573	2.1883181	21	1 16.7	19.2
72930 2002 AE_{10}	15.5	X	57.45285	145.38973	61.68946	3.20928	0.1413777	0.26873572	2.3782224	21	6 29.8	17.9
72931 2002 AJ_{14}	15.4	X	58.37392	272.14564	8.21459	6.75488	0.2513731	0.27424862	2.3462435	21	10 30.8	18.7
72932 2002 AB_{62}	15.5	X	51.32811	75.46336	176.22383	1.66272	0.2580567	0.27258708	2.3557681	21	9 15.4	18.1
72933 2002 AS_{90}	16.1	X	281.71196	241.56874	151.57701	26.54249	0.0692582	0.37969412	1.8887746	21	8 16.0	17.5
72934 2002 AZ_{134}	15.7	X	253.00331	310.18548	208.48705	1.10842	0.0645572	0.19501090	2.9450780	21	12 6.9	19.7
72935 2002 AG_{154}	15.3	X	51.94957	276.34659	336.00107	1.66370	0.2018859	0.27317143	2.3524074	21	9 7.7	17.9
72936 2002 AR_{167}	15.9	X	48.17693	290.37773	262.44792	1.35200	0.1508358	0.26445937	2.4037912	21	5 22.7	18.2
72937 2002 AR_{174}	16.0	X	241.74170	301.90102	322.11018	3.55128	0.2096353	0.30420722	2.1895576	21	—	—
72938 2002 BB_{21}	15.8	X	302.98165	222.10438	44.38373	21.98432	0.0501292	0.36531831	1.9380059	21	3 13.6	18.4
72939 2002 BA_{24}	14.7	X	186.50638	234.96037	18.41780	11.16178	0.2726549	0.24245625	2.5471066	21	—	—
72940 2002 BC_{30}	15.6	X	43.44168	170.96017	86.09230	9.86578	0.2248507	0.27107225	2.3645364	21	9 11.0	18.3
72941 2002 CD_{8}	15.7	X	41.03832	167.12332	93.21886	6.26150	0.2038392	0.27323612	2.3520361	21	9 5.8	18.2
72942 2002 CU_{9}	16.5	X	287.69780	355.09610	353.04828	19.21478	0.0855226	0.37493575	1.9047215	21	5 30.7	18.9
72943 2002 CU_{10}	16.1	X	270.66231	275.99467	74.00631	23.02285	0.1205017	0.36923064	1.9242916	21	5 14.3	18.4
72944 2002 CX_{15}	15.8	X	22.79617	136.84529	153.55593	8.88792	0.2236494	0.27314507	2.3525587	21	9 20.2	17.8
72945 2002 CJ_{16}	16.5	X	60.90886	220.28547	5.74516	20.11137	0.0650326	0.37663128	1.8990007	21	8 5.4	18.7
72946 2002 CY_{16}	15.7	X	26.63531	271.53563	330.27151	7.30822	0.1699912	0.27212211	2.3584509	21	6 29.5	17.7
72947 2002 CZ_{19}	16.1	X	244.72894	198.20730	66.59815	3.42045	0.1535951	0.30356448	2.1926471	21	—	—
72948 2002 CC_{39}	15.0	X	173.71864	338.32075	245.94401	2.96523	0.2256948	0.23160408	2.6260636	21	11 24.0	19.3
72949 2002 CC_{43}	14.9	X	46.15946	244.78463	33.19531	6.27286	0.2516026	0.27425856	2.3461868	21	10 15.2	17.5
72950 2002 CF_{44}	17.0	X	325.55840	283.79131	330.64650	0.18592	0.0943056	0.31535791	2.1376350	21	3 14.7	19.2
72951 2002 CC_{52}	16.2	X	70.53110	116.81514	163.37030	3.11970	0.2109085	0.27795305	2.3253505	21	11 10.9	19.6
72952 2002 CE_{57}	15.9	X	99.09156	60.25203	170.16353	6.37717	0.1101542	0.27704363	2.3304365	21	9 26.1	18.9
72953 2002 CJ_{59}	16.3	X	173.42186	255.42523	4.97039	1.94301	0.1631589	0.29005934	2.2601893	21	—	—
72954 2002 CF_{84}	16.0	X	350.31119	90.45427	151.59814	2.78992	0.1759671	0.26290172	2.4132766	21	4 5.9	18.3
72955 2002 CV_{95}	15.9	X	149.39660	250.10306	336.53755	6.01196	0.2328716	0.23128714	2.6284621	21	11 6.0	20.6
72956 2002 CU_{100}	16.5	X	121.28347	293.41666	356.34052	4.04829	0.1187251	0.28842256	2.2687322	21	—	—
72957 2002 CZ_{100}	15.3	X	123.57511	126.24204	145.12442	7.47996	0.2634819	0.28343729	2.2952574	21	12 18.2	19.4
72958 2002 CP_{104}	16.1	X	14.92530	136.18140	109.20210	3.71331	0.1393926	0.26603270	2.3943044	21	6 6.1	18.0
72959 2002 CK_{105}	15.9	X	64.31320	276.54069	4.52991	2.08759	0.2120799	0.27660406	2.3329048	21	11 3.8	19.0
72960 2002 CZ_{110}	16.4	X	192.34909	126.44146	150.13341	5.47508	0.0667316	0.29644563	2.2276110	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
72961 2002 CJ_{112}	15.7	X	51.15843	178.31183	51.18827	3.17940	0.1392055	0.26723360	2.3871260	21	7 23.8	18.3
72962 2002 CN_{112}	16.2	X	178.53584	195.49514	49.61579	4.37441	0.1503022	0.28694437	2.2765171	21	—	—
72963 2002 CC_{113}	16.0	X	22.59494	257.45281	11.64226	2.24108	0.1920520	0.27192268	2.3596038	21	8 8.9	17.8
72964 2002 CP_{117}	15.6	X	89.59935	149.31827	99.02838	6.70594	0.0816907	0.27654313	2.3332475	21	10 8.6	18.7
72965 2002 CR_{133}	15.4	X	344.88555	98.67140	165.28070	9.25412	0.1841196	0.21178570	2.7874363	21	5 6.8	18.4
72966 2002 CG_{140}	15.6	X	273.89305	71.84784	186.23800	8.52530	0.1856457	0.25499725	2.4628940	21	1 12.9	19.6
72967 2002 CH_{141}	15.3	X	166.98572	358.61927	286.37815	7.10812	0.2445505	0.29352852	2.2423454	21	—	—
72968 2002 CK_{151}	15.6	X	15.40339	203.35894	63.85590	7.38099	0.1307971	0.26991413	2.3712953	21	7 13.3	17.8
72969 2002 CD_{152}	15.8	X	2.96926	275.25876	25.65595	2.42350	0.2104124	0.27123983	2.3635624	21	8 17.7	17.2
72970 2002 CZ_{174}	15.1	X	55.50121	107.27703	91.68417	7.11258	0.1270727	0.26424050	2.4051184	21	6 11.7	17.6
72971 2002 CR_{195}	16.6	X	232.87206	149.34123	137.61305	6.13912	0.1008587	0.30616957	2.1801918	21	1 5.1	19.7
72972 2002 CL_{210}	16.1	X	27.36061	170.29418	68.61399	2.26455	0.1489915	0.26806136	2.3822092	21	6 22.9	18.2
72973 2002 CU_{217}	16.5	X	234.55488	198.38714	97.49809	1.65341	0.1704939	0.30446437	2.1883246	21	1 18.8	19.7
72974 2002 CE_{221}	15.5	X	58.83117	209.34045	48.20368	3.73423	0.1652204	0.27271977	2.3550039	21	9 21.0	18.3
72975 2002 CB_{232}	14.0	X	121.41419	242.51748	12.73406	25.80946	0.2413849	0.17570640	3.1570224	21	11 6.2	19.7
72976 2002 CQ_{235}	16.0	X	178.60321	188.06482	92.08452	7.23770	0.1823902	0.29615986	2.2290437	21	—	—
72977 2002 CT_{236}	15.1	X	85.63768	150.81532	100.98285	6.62312	0.1822443	0.22202167	2.7010905	21	10 14.3	19.2
72978 2002 CU_{236}	15.5	X	287.55116	157.70497	126.66515	5.96741	0.2073907	0.25436723	2.4669591	21	2 28.5	19.0
72979 2002 CN_{239}	16.2	X	188.24481	343.57668	316.45291	3.81527	0.2120868	0.29743284	2.2226791	21	—	—
72980 2002 CJ_{243}	16.1	X	120.67501	57.31236	177.97407	4.06397	0.0681404	0.28023880	2.3126889	21	10 24.9	19.1
72981 2002 CV_{246}	16.0	X	295.11143	174.87232	135.37673	3.02291	0.2206909	0.26354487	2.4093487	21	4 8.6	19.1
72982 2002 CC_{248}	15.5	X	331.07424	276.90972	22.86214	5.77365	0.1192802	0.26611227	2.3938271	21	6 2.8	18.1
72983 2002 CG_{248}	15.8	X	351.10066	94.85456	172.13236	13.64715	0.0528201	0.26504772	2.4002326	21	5 29.6	18.8
72984 2002 CB_{253}	15.5	X	319.25031	159.32286	142.04882	4.48111	0.1051506	0.22037239	2.7145506	21	5 23.3	18.9
72985 2002 DK_{2}	16.5	X	310.58929	50.87442	169.20434	6.83215	0.0931779	0.30530765	2.1842932	21	1 5.4	19.4
72986 2002 DQ_{8}	15.6	X	113.91752	293.10477	357.13748	23.62447	0.2413823	0.29003348	2.2603237	21	—	—
72987 2002 DL_{18}	16.7	X	234.41745	45.04041	3.88205	21.16011	0.0502933	0.37650169	1.8994364	21	7 1.2	19.3
72988 2002 EP	16.2	X	271.02926	65.85601	181.92317	2.81388	0.1539945	0.25098890	2.4890467	21	1 2.0	20.0
72989 2002 EW_{1}	15.9	X	235.17613	252.18073	2.83533	22.57581	0.1713166	0.29898834	2.2149634	21	—	—
72990 2002 EK_{6}	16.3	X	240.16211	307.74735	351.44999	3.43806	0.1588361	0.30571521	2.1823514	21	1 28.8	19.5
72991 2002 EW_{7}	15.1	X	160.81598	102.59206	173.23741	27.93472	0.2803087	0.23737250	2.5833452	21	—	—
72992 2002 EM_{10}	15.4	X	304.30760	188.68947	98.71502	7.39568	0.0962005	0.26034501	2.4290505	21	4 11.8	18.5
72993 Hannahlivsey	15.9	X	126.42842	50.11653	160.50654	2.49620	0.1586360	0.27577861	2.3375576	21	10 3.1	19.3
72994 2002 EZ_{10}	16.7	X	171.99128	191.63853	81.90073	0.96692	0.2064889	0.29088057	2.2559332	21	—	—
72995 2002 ER_{12}	15.6	X	351.31942	328.75516	251.90619	2.45897	0.1306075	0.25812696	2.4429457	21	3 11.0	18.1
72996 2002 EZ_{12}	16.6	X	6.71780	295.42292	212.22256	3.82893	0.1042076	0.30316348	2.1945802	21	—	—
72997 2002 EF_{15}	16.2	X	349.25370	116.14878	173.61549	6.09376	0.1244972	0.27047431	2.3680200	21	6 23.3	18.5
72998 2002 EC_{16}	15.1	X	138.93761	267.83450	294.08556	5.69734	0.1296997	0.22556109	2.6727598	21	9 25.0	19.3
72999 2002 EN_{20}	15.9	X	127.91451	75.11556	154.87710	6.41475	0.0726782	0.27812075	2.3244156	21	10 27.8	19.1
73000 2002 ER_{20}	15.4	X	156.23138	115.11614	151.65994	5.57942	0.1018858	0.23471320	2.6028214	21	—	—
73001 2002 EP_{25}	16.3	X	60.26805	264.36170	359.67881	7.93688	0.2334364	0.27273858	2.3548956	21	10 8.9	19.4
73002 2002 EE_{26}	15.6	X	289.25442	352.82643	277.54098	5.28991	0.2003238	0.25646878	2.4534641	21	2 9.9	19.3
73003 2002 EJ_{26}	16.4	X	161.62632	105.36078	220.65447	3.31187	0.1392249	0.29915810	2.2141253	21	—	—
73004 2002 EC_{28}	15.7	X	134.14915	104.13575	169.54886	13.39025	0.1408808	0.23476737	2.6024210	21	12 21.3	20.1
73005 2002 EP_{29}	16.4	X	98.88259	295.53603	352.54712	3.66398	0.1544149	0.28397431	2.2923628	21	12 13.5	19.8
73006 2002 ER_{29}	15.6	X	194.89101	113.03474	150.46427	1.04979	0.2068364	0.19039848	2.9924512	21	—	—
73007 2002 ET_{29}	16.2	X	195.49223	123.83189	141.29367	4.50263	0.1980513	0.24165527	2.5527319	21	—	—
73008 2002 EU_{29}	16.7	X	162.74884	160.36135	122.23290	3.17503	0.1776872	0.29079485	2.2563765	21	—	—
73009 2002 EN_{30}	15.7	X	78.42473	169.31605	141.42040	4.16577	0.2521340	0.28146135	2.3059871	21	12 29.4	19.5
73010 2002 EU_{43}	15.9	X	46.84989	75.77681	181.02488	6.24928	0.1005249	0.27139178	2.3626801	21	8 17.9	18.5
73011 2002 EC_{44}	15.3	X	88.85599	212.63547	42.56579	15.71555	0.1418570	0.22385473	2.6863249	21	10 17.9	19.3
73012 2002 EL_{44}	15.8	X	294.44232	277.98414	355.32583	5.09720	0.1633957	0.25579915	2.4577441	21	2 26.6	19.0
73013 2002 EZ_{45}	16.5	X	327.17835	121.53942	185.77341	6.35846	0.1192871	0.26829762	2.3808105	21	6 9.0	19.0
73014 2002 EU_{52}	16.5	X	51.61129	107.41492	156.24822	9.39543	0.1665706	0.27421496	2.3464355	21	9 19.4	19.1
73015 2002 ES_{54}	15.2	X	83.46295	156.84373	215.01815	8.88521	0.1757898	0.29006541	2.2601578	21	—	—
73016 2002 ES_{58}	16.4	X	334.83336	74.08803	218.07754	2.67556	0.1947645	0.26735028	2.3864314	21	5 19.0	18.3
73017 2002 EL_{60}	16.7	X	60.23163	73.28986	197.75782	4.03054	0.1832537	0.27559820	2.3385777	21	10 13.0	19.4
73018 2002 EN_{66}	16.2	X	58.38249	94.34296	182.04863	3.48753	0.1476688	0.27537252	2.3398552	21	10 12.9	19.1
73019 2002 ES_{66}	16.3	X	359.30805	21.27576	262.46883	0.68116	0.1753086	0.26757683	2.3850842	21	7 4.7	18.1
73020 2002 EE_{68}	16.1	X	47.70982	114.19808	191.85769	1.45680	0.2302080	0.27691612	2.3311518	21	11 20.8	19.1
73021 2002 EL_{68}	16.3	X	37.86501	103.82895	179.01851	3.49484	0.1632520	0.27271736	2.3550178	21	9 23.6	18.5
73022 2002 EU_{68}	16.7	X	354.37013	24.93410	197.23978	5.43587	0.0777785	0.31093935	2.1578384	21	3 15.6	18.9
73023 2002 EW_{68}	15.8	X	341.88729	54.26800	193.32137	6.36451	0.1357482	0.26061092	2.4273979	21	4 3.3	18.3
73024 2002 EV_{72}	15.7	X	57.85874	58.62208	201.26234	2.36165	0.1538576	0.27209547	2.3586048	21	9 18.6	18.5
73025 2002 ER_{74}	15.7	X	121.39069	249.52017	358.15008	2.05399	0.1208720	0.27924818	2.3181550	21	11 11.9	19.2
73026 2002 EW_{74}	16.1	X	135.36395	17.92312	221.27076	1.85074	0.1271059	0.28000541	2.3139738	21	11 16.2	19.5
73027 2002 EZ_{77}	15.8	X	247.56708	141.44138	207.88527	1.85721	0.2001791	0.25975438	2.4327312	21	4 10.9	19.6
73028 2002 EK_{78}	16.1	X	178.00234	115.97512	184.06208	2.61581	0.2088687	0.24085926	2.5583531	21	—	—
73029 2002 EW_{78}	16.3	X	329.53191	350.74189	227.42991	4.07446	0.0931309	0.30747187	2.1740313	21	1 27.2	18.7
73030 2002 EG_{79}	15.3	X	359.42970	86.71597	200.62998	14.18124	0.3229796	0.21462723	2.7627792	21	7 7.9	17.4
73031 2002 EM_{80}	16.3	X	174.40395	265.82855	11.83064	4.97025	0.1846929	0.24055909	2.5604809	21	—	—
73032 2002 EP_{80}	16.2	X	76.27299	323.79524	8.84334	7.04578	0.1828440	0.28705876	2.2759123	21	—	—
73033 2002 EM_{81}	16.5	X	149.67456	341.05878	327.14460	5.64722	0.1555967	0.29430722	2.2383883	21	—	—
73034 2002 EY_{82}	16.0	X	244.12245	43.99447	269.65582	1.64427	0.1972333	0.25556695	2.4592325	21	2 22.7	20.1
73035 2002 EV_{84}	15.9	X	165.87122	136.42123	145.65133	6.15067	0.2804697	0.23863687	2.5742122	21	—	—
73036 2002 EP_{86}	16.2	X	342.57182	186.01259	93.70597	3.67120	0.1773624	0.26314402	2.4117949	21	5 19.2	18.2
73037 2002 EC_{87}	15.6	X	353.82455	113.03350	102.57693	2.23597	0.1428979	0.25707161	2.4496270	21	3 9.5	17.9
73038 2002 EK_{87}	16.0	X	144.01569	145.36948	128.10372	2.55275	0.2102458	0.23462832	2.6034491	21	12 28.9	20.5
73039 2002 EO_{91}	16.0	X	75.10251	203.01317	55.66203	3.51704	0.1873092	0.27349743	2.3505377	21	10 15.6	19.1
73040 2002 EH_{92}	15.5	X	166.17788	350.77910	259.51984	3.94324	0.1679713	0.28566450	2.2833117	21	12 28.9	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73041 2002 ES_{94}	16.7	X	305.17501	149.59298	144.63124	4.63678	0.1447341	0.26344342	2.4099673	21	4 12.1	19.6
73042 2002 EG_{95}	16.0	X	259.61124	278.39401	9.40721	2.42340	0.1941954	0.25484611	2.4638677	21	2 6.7	19.8
73043 2002 EC_{98}	15.9	X	105.90895	172.34306	91.85098	4.84823	0.2048606	0.27879383	2.3206729	21	11 23.5	19.5
73044 2002 EG_{99}	15.9	X	79.44475	219.59642	359.77214	4.63151	0.1119843	0.26975163	2.3722475	21	8 17.2	18.8
73045 2002 EY_{105}	15.4	X	130.70327	216.12239	75.20625	8.05364	0.1869585	0.23586661	2.5943291	21	—	—
73046 Davidmann	15.6	X	199.78291	165.45030	110.73966	9.31685	0.1168044	0.24256484	2.5463464	21	—	—
73047 2002 EK_{114}	16.6	X	84.49830	282.93016	16.51718	4.59986	0.2316955	0.28177542	2.3042733	21	12 19.4	20.3
73048 2002 EA_{115}	15.9	X	149.03030	201.10618	70.35527	8.25715	0.0904119	0.28688237	2.2768450	21	—	—
73049 2002 EP_{115}	15.5	X	178.30511	141.55558	78.55365	10.46876	0.1691306	0.28277080	2.2988626	21	12 2.8	18.8
73050 2002 EQ_{121}	16.0	X	189.50159	340.61102	309.46511	2.21259	0.0867442	0.24583858	2.5236901	21	—	—
73051 2002 EQ_{126}	15.0	X	230.30625	106.89540	192.30125	14.67862	0.3951704	0.19788220	2.9165196	21	1 25.4	21.0
73052 2002 EL_{127}	15.7	X	83.06540	186.20677	86.45364	3.53041	0.1695173	0.22649565	2.6654025	21	11 3.3	19.6
73053 2002 EX_{133}	16.1	X	342.63218	102.58538	209.07177	3.21429	0.1419037	0.27137859	2.3627567	21	7 13.5	18.2
73054 2002 EO_{153}	15.7	X	8.24297	307.67692	47.20845	3.36292	0.1779040	0.27873313	2.3210099	21	11 21.6	17.9
73055 2002 FG	15.1	X	353.92244	104.03029	191.66361	8.99309	0.2189330	0.21507093	2.7589780	21	7 8.4	17.7
73056 2002 FN_{2}	16.1	X	233.96028	72.86491	176.96051	5.06047	0.1428988	0.29495270	2.2351215	21	—	—
73057 2002 FS_{2}	15.6	X	96.00784	264.18983	27.41231	11.52961	0.1910591	0.22873381	2.6479868	21	12 7.9	20.0
73058 2002 FK_{4}	15.6	X	122.13305	78.69293	147.80307	3.28299	0.1616229	0.27638403	2.3341428	21	10 20.2	19.2
73059 Kaunas	16.4	X	324.15525	186.85360	49.39516	4.17469	0.0856910	0.30785396	2.1722321	21	2 19.1	18.8
73060 2002 FZ_{7}	16.7	X	199.89977	270.64163	15.82548	7.24115	0.1310770	0.29683864	2.2256443	21	—	—
73061 2002 FC_{9}	15.2	X	342.43943	87.15216	208.27013	6.16021	0.1185799	0.26782883	2.3835879	21	6 19.0	17.5
73062 2002 FE_{10}	16.1	X	160.09271	338.34483	281.90779	3.54311	0.1379819	0.28710714	2.2756566	21	—	—
73063 2002 FG_{10}	15.8	X	23.94072	160.62302	118.82024	3.21778	0.1769381	0.26806638	2.3821795	21	8 26.2	17.8
73064 2002 FE_{11}	16.3	X	205.03869	78.12642	183.11415	12.64037	0.1598325	0.24157269	2.5533136	21	—	—
73065 2002 FR_{15}	16.0	X	100.20893	173.96499	113.37097	6.79343	0.1019570	0.28348579	2.2949956	21	12 11.4	19.3
73066 2002 FV_{15}	15.4	X	323.54450	186.25462	92.02046	6.99593	0.1336868	0.26210694	2.4181526	21	4 20.9	18.2
73067 2002 FD_{33}	16.0	X	152.23523	204.53934	65.26969	7.08244	0.2695614	0.23530321	2.5984687	21	12 30.1	20.7
73068 2002 FK_{33}	15.9	X	323.30140	105.54258	97.23899	7.00453	0.0570813	0.30482170	2.1866140	21	1 4.8	18.5
73069 2002 FM_{34}	14.7	X	45.51229	116.72586	164.00043	13.64349	0.1771007	0.21885870	2.7270525	21	9 29.9	18.1
73070 2002 FB_{35}	16.3	X	242.74468	237.17193	6.30655	1.90139	0.1034739	0.24480935	2.5307586	21	—	—
73071 2002 FB_{37}	16.0	X	58.74279	42.11374	238.13144	5.29706	0.1278568	0.27563074	2.3383936	21	10 13.6	18.8
73072 2002 FC_{38}	15.8	X	55.47697	256.40563	44.49891	5.80086	0.2015938	0.27864106	2.3215211	21	11 18.7	18.9
73073 2002 GA_{1}	15.9	X	16.18105	253.30869	45.10173	7.29454	0.1551182	0.26894874	2.3769664	21	9 10.1	18.2
73074 2002 GF_{4}	15.9	X	119.12718	77.43729	219.97272	9.16119	0.1610168	0.28588379	2.2821439	21	—	—
73075 2002 GL_{4}	16.3	X	145.15831	66.21631	25.90370	21.96169	0.1180110	0.36514410	1.9386222	21	5 1.2	18.6
73076 2002 GN_{4}	15.8	X	106.01865	239.56735	203.46689	21.17969	0.1021738	0.35890622	1.9610202	21	2 12.7	18.1
73077 2002 GT_{4}	16.5	X	138.56725	256.73313	193.76825	21.76087	0.0999949	0.36302735	1.9461508	21	4 24.8	18.6
73078 2002 GR_{8}	15.1	X	63.47450	30.52177	202.48868	15.67693	0.1280132	0.21730599	2.7400275	21	8 7.2	19.0
73079 Davidbaltimore	15.2	X	129.19747	30.29727	203.33829	24.14791	0.1858103	0.27782978	2.3260382	21	11 5.4	19.0
73080 2002 GJ_{9}	15.0	X	150.23219	181.99076	77.55209	5.52421	0.1392715	0.18104697	3.0946286	21	12 10.9	20.1
73081 2002 GD_{12}	16.2	X	221.95466	57.45339	145.88553	6.53744	0.0383294	0.28869746	2.2672917	21	—	—
73082 2002 GZ_{14}	15.8	X	324.51985	281.05460	28.77152	3.33530	0.1756435	0.26665471	2.3905796	21	5 28.8	18.0
73083 2002 GK_{15}	15.9	X	200.83492	102.64304	149.46152	3.05571	0.0592915	0.24175768	2.5520110	21	—	—
73084 2002 GX_{16}	15.9	X	74.89598	127.13484	125.88992	1.45466	0.1394821	0.27232316	2.3572899	21	9 30.8	19.0
73085 2002 GM_{17}	14.8	X	52.06066	238.96338	44.97200	10.14887	0.2709278	0.21877309	2.7277639	21	10 26.5	18.4
73086 2002 GY_{17}	15.9	X	199.57908	359.99533	210.89713	5.31857	0.1159608	0.28419087	2.2911981	21	12 18.3	19.0
73087 2002 GA_{18}	15.4	X	54.03451	329.71114	48.30689	8.22647	0.1759722	0.28515494	2.2860310	21	—	—
73088 2002 GD_{18}	15.6	X	203.58163	269.98157	69.64201	3.41477	0.1327334	0.30027630	2.2086252	21	2 15.3	18.7
73089 2002 GT_{18}	16.1	X	186.39511	67.17475	210.58538	5.94624	0.0988527	0.29201764	2.2500733	21	—	—
73090 2002 GT_{19}	15.7	X	69.04466	350.87099	234.89641	6.85969	0.0931177	0.26700719	2.3884752	21	8 3.8	18.8
73091 2002 GW_{19}	16.3	X	320.32214	354.86363	286.43135	2.18025	0.1976716	0.25812962	2.4429289	21	4 4.9	19.2
73092 2002 GZ_{19}	14.6	X	181.59837	163.17194	27.11771	13.44188	0.0987089	0.22875785	2.6478012	21	10 25.9	18.5
73093 2002 GG_{20}	15.7	X	66.31264	173.00074	24.90568	8.61191	0.1215818	0.26430775	2.4047104	21	6 27.4	18.6
73094 2002 GN_{20}	15.8	X	135.78304	102.69983	226.90219	7.11536	0.1684073	0.28964076	2.2623664	21	—	—
73095 2002 GS_{20}	16.2	X	159.93443	41.57635	237.57509	5.49479	0.0973759	0.28707666	2.2758176	21	—	—
73096 2002 GU_{20}	16.6	X	79.31630	284.17441	318.05913	0.64680	0.1489870	0.27075315	2.3663939	21	9 21.8	19.8
73097 2002 GN_{21}	16.2	X	184.03023	162.80004	40.77133	1.89202	0.0576860	0.28125751	2.3071011	21	11 25.9	19.1
73098 2002 GP_{21}	15.3	X	258.02328	317.68514	229.65336	3.41791	0.1894834	0.23904746	2.5712637	21	—	—
73099 2002 GR_{21}	15.9	X	103.84167	52.42859	231.13021	5.30703	0.1133798	0.27922317	2.3182935	21	12 9.9	19.3
73100 2002 GT_{21}	16.3	X	2.17375	227.01608	18.89051	3.45157	0.1173671	0.31133325	2.1560180	21	5 4.4	18.0
73101 2002 GZ_{21}	15.8	X	116.30050	195.60756	42.30130	3.99925	0.0678345	0.27588084	2.3369802	21	10 22.2	19.0
73102 2002 GC_{24}	15.7	X	117.24106	82.12249	256.36441	4.54172	0.2036647	0.28805983	2.2706363	21	—	—
73103 2002 GZ_{24}	17.0	X	268.81653	264.08806	51.46962	2.03512	0.0319361	0.30893898	2.1671430	21	4 2.9	19.5
73104 2002 GO_{25}	15.5	X	86.76370	317.32503	273.42444	2.32153	0.2445706	0.21960231	2.7208929	21	9 21.3	19.8
73105 2002 GR_{25}	14.8	X	13.88623	287.95473	357.42914	8.98476	0.2564949	0.21446492	2.7641729	21	8 21.1	17.2
73106 2002 GV_{25}	16.3	X	65.85895	28.37281	221.95761	2.83107	0.2154493	0.27009477	2.3702379	21	9 24.9	19.3
73107 2002 GL_{26}	15.6	X	212.51385	256.41602	8.00315	5.73977	0.1172366	0.29154346	2.2525123	21	—	—
73108 2002 GS_{36}	16.3	X	15.56374	349.13704	17.60221	5.34467	0.0716263	0.28125391	2.3071208	21	12 3.9	18.9
73109 2002 GD_{37}	15.5	X	317.55293	284.15893	45.39456	7.32197	0.1517933	0.26897484	2.3768126	21	6 19.7	17.9
73110 2002 GT_{38}	16.6	X	78.40165	101.44630	182.81071	5.17383	0.2073438	0.27609592	2.3357663	21	11 23.4	20.1
73111 2002 GK_{40}	15.9	X	0.54764	57.03366	289.09260	1.21619	0.2203581	0.27693868	2.3310252	21	10 29.5	17.6
73112 2002 GE_{43}	16.7	X	325.99097	322.78627	246.41550	4.40848	0.0346490	0.30414235	2.1898689	21	1 20.0	19.2
73113 2002 GS_{43}	16.2	X	22.31775	117.49103	157.62428	1.42344	0.1727488	0.26662995	2.3907276	21	8 13.7	18.3
73114 2002 GQ_{44}	15.6	X	308.67279	78.63795	252.45865	5.48421	0.1525130	0.26719576	2.3873513	21	6 6.6	18.0
73115 2002 GP_{45}	15.8	X	116.27764	59.97544	166.41910	6.11316	0.0786153	0.27603050	2.3361353	21	10 8.5	18.9
73116 2002 GD_{49}	16.1	X	262.09478	118.17206	209.26485	2.24672	0.0353051	0.25958838	2.4337683	21	4 15.0	19.3
73117 2002 GF_{51}	16.5	X	354.44457	281.58145	19.44801	2.63832	0.1832998	0.26705878	2.3881677	21	7 23.8	18.3
73118 2002 GV_{53}	16.4	X	321.11199	81.38706	149.24267	2.91150	0.0556988	0.30457267	2.1878058	21	2 9.9	18.8
73119 2002 GZ_{53}	15.4	X	300.16743	166.10626	156.71561	11.03615	0.0592827	0.26153232	2.4216933	21	5 30.4	18.6
73120 2002 GS_{55}	15.8	X	278.96474	351.90352	323.17693	5.82591	0.1407674	0.25998914	2.4312665	21	4 2.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73121 2002 GN_{56}	16.1	X	291.80060	301.03545	331.81303	5.49967	0.1083249	0.25529283	2.4609926	21	2 28.9	19.3
73122 2002 GO_{57}	15.4	X	176.30377	10.61534	247.77648	9.02469	0.1681464	0.23786298	2.5797927	21	—	—
73123 2002 GS_{58}	15.9	X	99.51840	125.70588	197.42988	6.63180	0.1550525	0.28508441	2.2864080	21	—	—
73124 2002 GB_{60}	14.5	X	107.90843	186.47738	97.98284	14.12555	0.1516689	0.22785805	2.6547673	21	12 10.5	18.8
73125 2002 GJ_{63}	15.8	X	179.07822	138.46707	155.96415	3.43687	0.2051411	0.23970666	2.5665476	21	—	—
73126 2002 GB_{65}	16.7	X	355.65334	88.53750	180.07281	2.71664	0.2074659	0.26145919	2.4221448	21	5 28.6	18.3
73127 2002 GD_{68}	14.9	X	73.51790	68.68981	166.52540	14.64674	0.1705973	0.21639607	2.7477031	21	9 3.4	18.5
73128 2002 GE_{68}	14.9	X	192.00842	55.56357	171.81801	15.91137	0.0839395	0.23256360	2.6188355	21	12 24.4	19.0
73129 2002 GM_{71}	15.6	X	136.36021	140.46135	143.82018	6.30717	0.1770619	0.23421164	2.6065360	21	—	—
73130 2002 GW_{73}	16.1	X	284.25563	214.33939	65.69052	6.70978	0.1408158	0.30564242	2.1826979	21	2 21.5	19.1
73131 2002 GE_{74}	15.8	X	177.57123	78.77909	245.32152	3.91088	0.1546924	0.29787136	2.2204971	21	—	—
73132 2002 GK_{74}	15.9	X	116.25855	74.67417	253.50865	6.05739	0.1453494	0.28895790	2.2659292	21	—	—
73133 2002 GD_{75}	16.2	X	80.03604	34.54402	283.43524	1.84127	0.0790971	0.28355650	2.2946140	21	12 25.8	19.1
73134 2002 GE_{75}	15.9	X	89.92753	38.23979	211.16985	5.53866	0.0837416	0.27526824	2.3404461	21	10 5.8	18.9
73135 2002 GG_{75}	15.9	X	43.34420	341.04950	355.93109	2.91786	0.1865426	0.27990097	2.3145494	21	12 20.2	18.9
73136 2002 GX_{75}	15.9	X	5.60882	176.31705	212.38413	5.94388	0.1161777	0.28214815	2.3022434	21	12 27.0	18.4
73137 2002 GK_{76}	15.4	X	99.83295	88.71560	200.67093	12.00649	0.1696685	0.22953911	2.6417898	21	12 9.6	19.8
73138 2002 GO_{76}	15.3	X	195.20989	116.19999	185.34704	12.42336	0.1666250	0.24070298	2.5594604	21	—	—
73139 2002 GM_{84}	15.6	X	194.21054	140.94164	126.98916	7.85892	0.0926721	0.24017311	2.5632234	21	—	—
73140 2002 GH_{87}	16.1	X	35.40091	197.82266	144.11641	6.05764	0.0760682	0.27957510	2.3163475	21	11 30.9	19.0
73141 2002 GK_{87}	15.6	X	195.92864	173.52799	88.32474	5.18349	0.0761720	0.23959368	2.5673543	21	—	—
73142 2002 GU_{87}	15.4	X	255.75044	229.83127	147.37738	6.54593	0.1304038	0.26483185	2.4015368	21	6 3.3	18.9
73143 2002 GF_{89}	15.1	X	141.00378	111.23625	187.01476	14.53772	0.1503657	0.23355906	2.6113890	21	—	—
73144 2002 GP_{95}	15.6	X	167.83053	313.91465	324.36434	4.37313	0.1501136	0.23713738	2.5850525	21	—	—
73145 2002 GQ_{95}	15.3	X	310.87892	98.87143	227.69345	6.66083	0.2285777	0.21229903	2.7829413	21	5 24.9	18.7
73146 2002 GJ_{98}	16.5	X	13.58296	54.28263	207.04392	4.92913	0.1134095	0.26797540	2.3827186	21	6 27.3	18.7
73147 2002 GS_{98}	15.9	X	118.39072	69.95032	200.93690	10.70169	0.1483280	0.23143110	2.6273720	21	12 3.8	20.2
73148 2002 GH_{99}	15.9	X	106.87377	182.16369	132.37794	1.69369	0.2136686	0.28622785	2.2803147	21	—	—
73149 2002 GC_{100}	14.9	X	34.74342	334.68977	12.68176	4.91982	0.1691294	0.28243612	2.3006783	21	12 21.2	18.8
73150 2002 GX_{100}	16.3	X	228.75577	163.40665	109.50911	0.24852	0.0372067	0.24796059	2.5092713	21	—	—
73151 2002 GO_{102}	15.3	X	40.89761	155.08128	122.70235	9.44277	0.1292168	0.21844526	2.7304924	21	9 12.5	18.7
73152 2002 GV_{102}	15.4	X	170.46291	87.64704	166.32250	13.57275	0.1478327	0.23408729	2.6074591	21	12 29.9	19.8
73153 2002 GM_{105}	15.9	X	73.54056	203.47936	112.92782	8.09412	0.1471377	0.28234463	2.3011752	21	12 23.4	19.1
73154 2002 GD_{110}	16.2	X	29.24628	89.07143	208.56171	1.94438	0.1662519	0.27239134	2.3568965	21	9 30.9	18.6
73155 2002 GU_{110}	16.1	X	49.52536	29.08134	186.70838	10.83220	0.0330324	0.26494166	2.4008731	21	6 13.9	19.2
73156 2002 GZ_{122}	15.9	X	131.02447	181.12042	122.26299	4.05044	0.2355293	0.23477521	2.6023631	21	—	—
73157 2002 GB_{127}	15.8	X	201.78715	217.78653	91.16462	2.26566	0.1022428	0.24599937	2.5225903	21	1 12.1	19.6
73158 2002 GN_{138}	15.6	X	144.96574	25.67646	233.18620	12.78043	0.1441571	0.23296264	2.6158441	21	12 12.6	19.8
73159 2002 GY_{140}	15.8	X	135.59877	314.72614	38.96289	4.21366	0.1074701	0.24475366	2.5311424	21	—	—
73160 2002 GZ_{143}	16.6	X	307.18318	4.03150	173.84564	5.09230	0.0283080	0.29518225	2.2339625	21	—	—
73161 2002 GC_{146}	16.1	X	23.13834	223.51540	94.98963	3.24302	0.1413211	0.27373248	2.3491919	21	10 19.8	18.5
73162 2002 GA_{151}	16.1	X	97.35216	339.21122	321.10323	3.89094	0.1708898	0.28265419	2.2994948	21	12 28.5	19.7
73163 2002 GK_{152}	14.9	X	14.36433	250.77584	73.30048	12.34689	0.2113109	0.22215649	2.6999976	21	10 18.2	17.9
73164 2002 GL_{154}	15.6	X	309.70479	215.94352	114.98506	6.97654	0.1339224	0.26822986	2.3812115	21	6 12.0	18.2
73165 2002 GE_{166}	15.6	X	133.69093	155.36961	145.66474	12.38973	0.1665814	0.23450507	2.6043612	21	—	—
73166 2002 GF_{166}	15.3	X	169.75901	234.30857	104.81646	16.00400	0.1387734	0.24249241	2.5468534	21	1 20.1	19.1
73167 2002 GC_{167}	16.3	X	276.20221	18.08287	233.71134	7.70920	0.1460049	0.30244958	2.1980322	21	1 2.7	19.6
73168 2002 GM_{170}	15.7	X	59.83097	320.50788	0.62147	2.69899	0.1666852	0.22619254	2.6677832	21	12 6.1	19.4
73169 2002 GE_{174}	15.4	X	334.40909	156.56192	157.83143	5.64487	0.1746516	0.21295660	2.7772095	21	6 27.6	18.3
73170 2002 HQ_{1}	15.4	X	193.44857	139.09286	115.29079	8.22769	0.1329566	0.29020561	2.2594298	21	—	—
73171 2002 HE_{2}	15.8	X	118.88960	168.18137	69.54032	7.41016	0.1680673	0.27795770	2.3253245	21	11 1.4	19.5
73172 2002 HG_{2}	16.2	X	48.58570	205.59751	65.12951	4.26469	0.0805969	0.27279545	2.3545684	21	9 11.4	18.9
73173 2002 HV_{2}	15.9	X	347.43086	175.93807	153.74477	6.73631	0.1362584	0.27122085	2.3636726	21	8 24.2	17.6
73174 2002 HG_{3}	15.7	X	282.21729	297.73200	30.59831	6.72256	0.1430837	0.26094695	2.4253136	21	4 26.7	18.7
73175 2002 HH_{5}	14.5	X	162.31855	227.95356	109.37329	12.71651	0.1468744	0.19031062	2.9933721	21	1 19.7	19.1
73176 2002 HW_{6}	15.8	X	141.31001	323.16380	286.31631	3.43373	0.1257308	0.28104378	2.3082706	21	12 4.9	19.1
73177 2002 HK_{7}	15.1	X	142.56481	141.63012	143.47564	10.04671	0.1030943	0.23279427	2.6171053	21	—	—
73178 2002 HH_{10}	16.2	X	48.21021	150.54762	105.60076	2.33579	0.1577154	0.26785242	2.3834479	21	8 31.4	18.8
73179 2002 HO_{10}	15.4	X	256.22201	302.61300	264.66731	8.33463	0.1391497	0.24109814	2.5566629	21	—	—
73180 2002 HY_{10}	15.7	X	104.60670	74.42547	192.18809	11.25033	0.1722209	0.22689377	2.6622837	21	11 17.7	20.0
73181 2002 HB_{12}	16.0	X	59.65591	203.24395	101.55873	1.82819	0.0555486	0.27940240	2.3173020	21	11 9.3	18.8
73182 2002 HY_{14}	16.5	X	352.82315	116.09877	169.80232	1.20154	0.1662921	0.26494896	2.4008290	21	6 22.6	18.4
73183 2002 HT_{15}	15.7	X	161.21237	92.15601	163.10693	4.52183	0.1390817	0.23322352	2.6138931	21	12 23.4	19.8
73184 2002 JN	14.7	X	176.62582	184.50014	146.91288	8.61567	0.3214428	0.18746858	3.0235493	21	2 2.3	20.3
73185 2002 JP	15.9	X	167.69388	53.47790	151.77415	6.89449	0.1308368	0.27858531	2.3218308	21	11 7.2	19.4
73186 2002 JQ	15.0	X	78.14177	139.53287	132.23461	9.17017	0.1569937	0.22100345	2.7093806	21	10 28.5	19.1
73187 2002 JS	14.9	X	47.19405	139.18321	168.24666	11.16484	0.1152877	0.22116549	2.7080570	21	10 29.1	18.5
73188 2002 JU	15.9	X	176.00631	126.14586	165.69563	8.14906	0.0262242	0.29079281	2.2563871	21	—	—
73189 2002 JV	15.4	X	65.54517	121.72186	190.26897	14.02144	0.1974492	0.22346833	2.6894206	21	12 5.9	19.6
73190 2002 JJ_{1}	16.1	X	81.03778	215.08337	157.08137	4.26371	0.0953295	0.28740427	2.2740878	21	—	—
73191 2002 JY_{1}	15.3	X	164.17350	122.33740	115.31268	5.33743	0.0921101	0.23169436	2.6253814	21	12 7.2	19.2
73192 2002 JE_{3}	15.7	X	277.92418	239.57386	41.47318	6.87636	0.1026752	0.30452556	2.1880314	21	2 20.1	18.6
73193 2002 JQ_{5}	15.5	X	153.72282	147.65710	170.43288	16.65213	0.2481300	0.23860607	2.5744338	21	—	—
73194 2002 JY_{7}	15.8	X	81.90510	152.63308	101.57601	6.99623	0.1107574	0.27394943	2.3479515	21	10 10.6	19.0
73195 2002 JQ_{10}	15.7	X	71.71098	147.99902	146.93891	7.03498	0.0989986	0.27757781	2.3274457	21	11 18.9	18.9
73196 2002 JZ_{10}	15.7	X	190.44672	359.48942	127.68925	8.14649	0.0546993	0.27075334	2.3663928	21	8 22.4	18.9
73197 2002 JL_{12}	14.8	X	289.87564	211.25934	209.29753	21.50908	0.0393361	0.22648518	2.6654847	21	9 26.8	18.4
73198 2002 JQ_{12}	15.2	X	96.12829	266.37763	358.91146	6.57501	0.0988244	0.27698367	2.3307728	21	11 4.1	18.4
73199 Orlece	15.0	X	258.43898	129.78313	72.37342	8.59626	0.1077204	0.23958829	2.5673929	21	—	—
73200 2002 JP_{13}	14.7	X	167.25504	189.05699	114.77569	9.46153	0.1066850	0.18569838	3.0427339	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73201 2002 JU_{13}	14.7	X	166.66392	84.93688	196.14742	25.26181	0.2318931	0.17980892	3.1088175	21	—	—
73202 2002 JY_{14}	15.3	X	254.85028	279.70802	67.74708	7.23366	0.1290015	0.25818275	2.4425937	21	4 24.6	18.9
73203 2002 JR_{15}	15.5	X	51.18661	185.74917	170.42850	3.93272	0.1916902	0.28103761	2.3083044	21	—	—
73204 2002 JZ_{15}	16.2	X	95.82957	55.68129	175.74557	2.42181	0.1657785	0.27175543	2.3605719	21	9 28.9	19.6
73205 2002 JY_{16}	15.7	X	289.03043	116.85131	120.40880	5.85299	0.0739232	0.25055132	2.4919438	21	1 16.5	18.9
73206 2002 JK_{18}	15.5	X	132.17412	227.42509	54.01088	13.25241	0.1774986	0.23232386	2.6206368	21	12 28.0	20.0
73207 2002 JJ_{19}	16.1	X	63.30333	224.36174	133.40283	5.18805	0.1561625	0.28279710	2.2987200	21	—	—
73208 2002 JK_{19}	16.2	X	167.02248	145.97418	103.69892	5.50432	0.0862927	0.28385925	2.2929822	21	—	—
73209 2002 JM_{19}	15.8	X	74.04016	241.00471	100.61531	6.36068	0.1959626	0.28100283	2.3084949	21	—	—
73210 2002 JA_{20}	16.1	X	64.07269	176.93733	82.55557	5.34228	0.1110041	0.27008603	2.3702890	21	9 23.5	19.1
73211 2002 JK_{21}	15.5	X	50.56976	282.03356	9.78827	2.89474	0.1743652	0.22001666	2.7174757	21	10 18.8	19.0
73212 2002 JB_{22}	15.7	X	44.93205	147.91756	111.57145	5.82191	0.1791124	0.26806804	2.3821696	21	9 5.2	18.3
73213 2002 JN_{22}	15.3	X	55.12591	271.11091	49.20076	7.39040	0.1456777	0.27747637	2.3280129	21	12 5.7	18.3
73214 2002 JQ_{22}	16.3	X	54.83050	121.58796	131.27861	1.96571	0.1538177	0.26855292	2.3793014	21	9 4.8	18.9
73215 2002 JS_{22}	15.8	X	73.01083	265.62435	57.33677	5.46564	0.1811434	0.27955525	2.3164572	21	—	—
73216 2002 JW_{22}	15.2	X	53.83626	95.50191	177.01714	2.60245	0.1466084	0.21906924	2.7253050	21	9 23.9	18.5
73217 2002 JX_{23}	16.4	X	101.26229	179.00313	108.89109	2.83366	0.0968165	0.27954353	2.3165219	21	12 11.7	19.7
73218 2002 JA_{24}	15.8	X	314.20994	103.21976	141.00806	2.39172	0.0355408	0.25343131	2.4730290	21	3 4.4	18.9
73219 2002 JB_{24}	15.9	X	186.67149	116.84537	168.37645	2.88487	0.1700660	0.23998082	2.5645925	21	—	—
73220 2002 JO_{24}	15.0	X	350.39766	110.94741	180.36207	9.72824	0.1803180	0.21242467	2.7818438	21	6 25.9	17.9
73221 2002 JP_{24}	16.1	X	261.01166	141.62940	81.26648	6.23344	0.1556719	0.29503898	2.2346857	21	—	—
73222 2002 JB_{25}	15.2	X	61.40086	128.72677	207.66093	12.10541	0.1710487	0.22765989	2.6563076	21	12 26.7	19.3
73223 2002 JD_{25}	15.5	X	116.55980	142.22866	153.82055	3.44983	0.1402072	0.23176510	2.6248472	21	12 30.9	19.7
73224 2002 JK_{25}	15.2	X	354.86221	104.61553	193.66325	12.68125	0.1543063	0.21423628	2.7661392	21	7 14.8	18.4
73225 2002 JN_{25}	15.0	X	100.45057	125.65913	80.44536	8.55199	0.0731679	0.21731536	2.7399487	21	8 19.7	18.9
73226 2002 JW_{25}	15.9	X	137.07860	40.98657	125.29051	4.37094	0.0218090	0.26945541	2.3739857	21	8 6.1	18.7
73227 2002 JO_{26}	15.4	X	262.23151	36.77592	129.49965	5.75236	0.0679046	0.23618159	2.5920221	21	—	—
73228 2002 JA_{27}	15.8	X	153.82845	307.59776	56.29995	6.21874	0.1895155	0.29744600	2.2226136	21	2 1.6	18.9
73229 2002 JP_{28}	16.1	X	326.85642	143.95936	176.36019	2.43110	0.0115787	0.26568951	2.3963658	21	7 9.8	19.0
73230 2002 JS_{28}	15.4	X	243.77490	357.32183	211.37258	3.87460	0.1366516	0.23860750	2.5744235	21	—	—
73231 2002 JY_{28}	15.9	X	68.54501	34.64419	198.50780	5.37088	0.0276914	0.26766485	2.3845613	21	8 3.9	19.0
73232 2002 JC_{29}	15.9	X	172.22003	160.93768	87.66370	2.79223	0.1096985	0.28428136	2.2907118	21	—	—
73233 2002 JN_{30}	14.9	X	240.62395	168.23450	127.23255	2.99485	0.1058686	0.19627913	2.9323781	21	2 11.1	19.4
73234 2002 JX_{32}	14.9	X	94.71411	214.29825	66.16498	5.75952	0.1464394	0.17266070	3.1940403	21	11 14.6	19.7
73235 2002 JM_{33}	16.7	X	231.75770	60.70073	154.74454	0.79305	0.1135322	0.28861355	2.2677312	21	—	—
73236 2002 JR_{33}	16.3	X	304.56016	144.87065	116.10353	2.58893	0.1677175	0.25235098	2.4800821	21	2 22.4	19.6
73237 2002 JA_{34}	15.4	X	327.60558	9.93430	217.61070	4.77580	0.0650711	0.30344309	2.1932319	21	2 11.5	18.0
73238 2002 JL_{34}	15.6	X	84.66985	299.33878	82.97396	6.74905	0.1152714	0.28937604	2.2637459	21	—	—
73239 2002 JU_{34}	16.1	X	162.05845	5.12153	216.56362	3.91384	0.0883918	0.27904180	2.3192979	21	11 22.2	19.2
73240 2002 JB_{36}	16.1	X	127.06976	5.48120	209.60837	6.07102	0.0621762	0.27300564	2.3533597	21	10 2.2	19.4
73241 2002 JC_{36}	15.7	X	280.79337	330.35280	173.83532	4.11725	0.1080384	0.23495321	2.6010486	21	12 30.0	18.8
73242 2002 JJ_{36}	15.7	X	59.78312	283.21599	63.76478	11.67260	0.1607963	0.27923801	2.3182113	21	—	—
73243 2002 JK_{36}	14.7	X	104.05734	144.36040	78.48140	6.19614	0.1019460	0.21890209	2.7266922	21	9 18.5	18.7
73244 2002 JS_{38}	15.4	X	313.55759	5.23966	309.87383	2.90811	0.0882929	0.21045920	2.7991367	21	6 3.9	19.0
73245 2002 JU_{39}	15.6	X	213.61428	202.50314	167.22091	5.20255	0.0832330	0.30616511	2.1802130	21	4 5.5	18.6
73246 2002 JO_{40}	15.1	X	147.62474	274.81208	11.45217	8.79781	0.2339340	0.18293334	3.0733178	21	—	—
73247 2002 JY_{40}	16.1	X	92.58499	52.05094	218.84704	5.96839	0.0928017	0.27870000	2.3211938	21	11 9.5	19.2
73248 2002 JC_{41}	15.7	X	36.09564	331.39670	230.91857	5.76202	0.0683742	0.26106806	2.4245635	21	5 6.3	18.1
73249 2002 JG_{41}	16.0	X	309.47754	263.04458	28.47187	2.85848	0.1905397	0.25827987	2.4419813	21	4 5.9	19.1
73250 2002 JL_{42}	15.7	X	356.79977	130.84251	219.01346	3.74963	0.1654467	0.27348943	2.3505835	21	10 18.8	17.6
73251 2002 JM_{42}	15.7	X	352.41085	141.20418	212.26500	3.80883	0.1625605	0.27341469	2.3510119	21	10 14.8	17.4
73252 2002 JQ_{42}	16.4	X	323.66455	109.36935	181.53616	6.92386	0.1111567	0.25993761	2.4315879	21	5 11.7	19.1
73253 2002 JF_{43}	15.0	X	265.26102	303.96734	328.32495	6.20157	0.1976498	0.19728504	2.9224020	21	1 31.7	19.7
73254 2002 JK_{43}	15.9	X	4.94297	269.09856	358.21427	6.59467	0.0613792	0.26422868	2.4051901	21	6 19.6	18.6
73255 2002 JL_{43}	16.1	X	338.39513	340.63319	280.03876	4.14407	0.1226092	0.31014732	2.1615106	21	4 8.5	18.1
73256 2002 JN_{43}	15.6	X	205.06607	41.81496	245.03588	11.45516	0.2427385	0.24140833	2.5544724	21	—	—
73257 2002 JM_{44}	15.8	X	59.54881	335.84624	276.61569	5.28619	0.1363655	0.26961592	2.3730435	21	9 4.8	18.7
73258 2002 JV_{44}	15.7	X	157.01835	61.30889	254.59950	7.08715	0.1687450	0.29105379	2.2550381	21	—	—
73259 2002 JY_{45}	14.9	X	60.64961	289.29235	7.82823	12.64851	0.1815377	0.22420448	2.6835305	21	11 5.2	18.8
73260 2002 JP_{46}	15.4	X	132.10300	326.40478	291.26376	4.81019	0.1806831	0.22831167	2.6512497	21	11 29.5	19.9
73261 2002 JX_{46}	16.6	X	26.82273	246.82073	294.52868	1.76590	0.0752373	0.30720177	2.1753054	21	3 11.1	18.5
73262 2002 JK_{47}	15.1	X	204.94774	350.12177	311.47923	1.37048	0.2352899	0.19030718	2.9934082	21	1 17.3	20.2
73263 2002 JP_{47}	16.4	X	190.02306	160.70883	329.69489	2.15285	0.0994711	0.27212365	2.3584420	21	8 22.9	19.8
73264 2002 JU_{47}	15.2	X	78.81272	321.02440	267.03862	8.08486	0.0751358	0.21693783	2.7431266	21	8 14.6	19.0
73265 2002 JW_{48}	15.9	X	351.03849	331.17260	35.91365	7.12755	0.1440131	0.27417915	2.3466398	21	11 1.0	18.0
73266 2002 JN_{49}	16.2	X	329.06290	206.04995	354.87984	2.86014	0.0613231	0.30067951	2.2066502	21	1 11.1	18.7
73267 2002 JD_{50}	16.6	X	267.03288	227.33040	300.58821	3.21366	0.1096291	0.28815445	2.2701392	21	—	—
73268 2002 JN_{50}	15.6	X	193.13559	26.87695	238.14067	5.59491	0.0787683	0.28907920	2.2652953	21	—	—
73269 2002 JS_{50}	15.3	X	126.38831	347.92883	227.64921	3.08000	0.1538558	0.22222041	2.6994798	21	10 2.8	19.7
73270 2002 JY_{50}	16.2	X	234.93474	227.74785	22.85972	4.13235	0.2102425	0.24118235	2.5560678	21	—	—
73271 2002 JH_{51}	15.8	X	194.68629	201.14747	37.66477	5.80759	0.0891927	0.28589160	2.2821024	21	—	—
73272 2002 JW_{51}	15.2	X	204.27687	16.33194	231.20229	4.70524	0.2558362	0.23629261	2.5912101	21	—	—
73273 2002 JZ_{51}	15.5	X	190.89939	235.09593	42.06338	5.34651	0.0895110	0.23836489	2.5761701	21	—	—
73274 2002 JU_{52}	16.0	X	240.40767	17.93636	236.70525	11.80029	0.1546761	0.24224867	2.5485615	21	—	—
73275 2002 JT_{53}	15.7	X	132.63761	232.11635	56.98392	1.79657	0.0738884	0.23347435	2.6120206	21	—	—
73276 2002 JU_{53}	16.2	X	304.73498	191.67848	54.53478	3.03207	0.0386566	0.30398203	2.1906388	21	2 13.4	18.8
73277 2002 JP_{58}	14.1	X	104.01853	21.84992	287.05541	0.68686	0.2580323	0.17526612	3.1623073	21	—	—
73278 2002 JU_{58}	14.4	X	206.73544	41.87975	254.58209	9.58507	0.0960863	0.19066233	2.9896897	21	1 9.9	19.1
73279 2002 JZ_{58}	15.7	X	167.75695	231.79310	40.03246	5.07450	0.1264768	0.28503819	2.2866552	21	—	—
73280 2002 JK_{59}	15.0	X	220.51955	329.18328	24.78625	1.99503	0.1003150	0.20035929	2.8924313	21	4 1.8	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73281 2002 JZ_{59}	14.3	X	70.66599	52.71343	277.28014	3.78188	0.1446770	0.17439504	3.1728287	21	12 17.2	19.0
73282 2002 JH_{61}	16.0	X	357.84711	232.42635	76.78990	7.72270	0.1395847	0.26681758	2.3896067	21	8 16.8	18.2
73283 2002 JW_{62}	15.1	X	120.51990	208.87204	87.44161	12.79507	0.1799757	0.22937010	2.6430874	21	—	—
73284 2002 JW_{63}	15.6	X	93.38048	10.57503	238.96825	6.21013	0.1409000	0.27159136	2.3615225	21	10 15.4	18.9
73285 2002 JB_{64}	15.5	X	308.54387	57.25590	209.21338	3.48856	0.1207126	0.30435398	2.1888536	21	3 3.3	18.1
73286 2002 JF_{64}	14.4	X	154.97405	10.14947	228.73989	6.41293	0.0817321	0.17590238	3.1546771	21	11 20.9	19.3
73287 2002 JO_{64}	15.4	X	310.53773	63.04960	176.28729	4.24039	0.0932741	0.30224839	2.1990075	21	2 1.1	18.1
73288 2002 JP_{64}	16.2	X	55.22893	156.87485	69.19611	2.46685	0.1346537	0.26359989	2.4090135	21	7 24.2	18.9
73289 2002 JW_{64}	14.1	X	87.95705	94.13717	211.31866	10.52256	0.1749141	0.17386466	3.1792780	21	12 9.5	19.2
73290 2002 JB_{65}	14.8	X	241.46059	32.88287	209.59082	9.58876	0.1387375	0.18904843	3.0066809	21	—	—
73291 2002 JG_{65}	15.3	X	122.40054	142.39416	74.16801	7.56204	0.0697613	0.27190732	2.3596927	21	10 4.3	18.6
73292 2002 JU_{65}	14.9	X	109.23191	255.23767	84.56992	12.41545	0.2053112	0.23187426	2.6240233	21	—	—
73293 2002 JH_{66}	15.2	X	227.19009	158.64976	96.94582	6.07474	0.2335538	0.23947279	2.5682183	21	—	—
73294 2002 JU_{66}	15.2	X	96.99207	269.50601	63.65741	15.22515	0.0911866	0.23233060	2.6205861	21	—	—
73295 2002 JM_{67}	13.6	X	116.58438	68.25274	214.82497	16.35728	0.1998857	0.17411052	3.1762844	21	12 10.3	19.1
73296 2002 JY_{67}	14.0	X	158.91660	209.62252	46.64549	18.15918	0.1757534	0.17956615	3.1116189	21	12 11.6	19.4
73297 2002 JP_{68}	15.5	X	58.52579	187.94404	79.47809	8.27290	0.2492010	0.27324344	2.3519940	21	10 19.2	18.7
73298 2002 JX_{68}	15.8	X	118.46552	118.44130	136.48354	7.72845	0.0851479	0.28031270	2.3122823	21	11 19.8	19.1
73299 2002 JO_{69}	15.7	X	78.43827	182.16157	105.56399	7.76018	0.1153895	0.27827492	2.3235571	21	11 19.6	18.9
73300 2002 JY_{69}	16.0	X	250.66221	147.23131	101.37914	7.48314	0.1629715	0.29621100	2.2287872	21	—	—
73301 2002 JB_{70}	14.9	X	26.20475	150.64096	89.56213	8.88597	0.1448661	0.21190209	2.7864156	21	6 23.5	17.9
73302 2002 JM_{70}	14.7	X	162.13409	88.66268	148.76029	10.76223	0.1370108	0.17916009	3.1163187	21	11 28.2	19.9
73303 2002 JN_{72}	15.3	X	118.08927	31.80423	179.59435	9.40872	0.0805853	0.21964459	2.7205437	21	9 13.7	19.1
73304 2002 JW_{72}	16.1	X	86.40794	121.39456	146.77978	7.25098	0.0993367	0.27363289	2.3497619	21	11 1.2	19.4
73305 2002 JF_{73}	14.9	X	171.17805	132.73066	97.79373	15.56697	0.0635476	0.22859596	2.6490511	21	12 7.9	18.8
73306 2002 JD_{74}	14.5	X	126.98730	121.18907	185.19795	8.84600	0.2180139	0.17723169	3.1388831	21	—	—
73307 2002 JE_{74}	15.0	X	174.02598	83.82256	204.46182	12.38620	0.1552327	0.23467258	2.6031217	21	—	—
73308 2002 JJ_{74}	15.4	X	269.57274	37.05406	209.45260	12.90010	0.1492080	0.24347957	2.5399648	21	—	—
73309 2002 JC_{75}	15.8	X	112.88728	208.90154	63.82366	7.79043	0.0958897	0.27733199	2.3288208	21	12 3.9	18.9
73310 2002 JE_{76}	16.3	X	68.75017	281.34737	353.84740	2.14974	0.1098099	0.27519953	2.3408357	21	10 18.0	19.2
73311 2002 JX_{77}	16.5	X	99.55016	321.96056	353.48551	1.01545	0.1563990	0.28385003	2.2930319	21	—	—
73312 2002 JN_{78}	16.3	X	45.54913	267.52069	24.65217	2.87086	0.1690306	0.27248969	2.3563294	21	10 19.6	19.0
73313 2002 JR_{78}	15.8	X	170.67980	269.67814	38.85225	5.89873	0.1162060	0.24206421	2.5498560	21	—	—
73314 2002 JA_{79}	16.3	X	329.19372	280.22516	344.34422	3.20428	0.1752843	0.25809522	2.4431459	21	3 30.4	18.9
73315 2002 JP_{79}	16.2	X	18.05588	81.69015	250.38819	2.07372	0.1796789	0.27389140	2.3482831	21	11 4.2	18.4
73316 2002 JP_{83}	16.3	X	181.09483	307.80876	41.41097	4.31626	0.1648411	0.29918805	2.2139776	21	2 7.6	19.5
73317 2002 JQ_{83}	16.2	X	196.51501	106.47315	203.13805	0.15792	0.1554484	0.24404855	2.5360154	21	1 10.3	20.1
73318 2002 JR_{87}	15.3	X	168.81202	56.92491	223.29060	0.47727	0.0963169	0.18445780	3.0563614	21	—	—
73319 2002 JK_{89}	16.2	X	53.42600	325.50306	244.94091	4.57793	0.0304506	0.26302079	2.4125482	21	6 11.3	19.0
73320 2002 JE_{92}	15.5	X	149.25014	316.12677	349.88641	0.93767	0.0220023	0.23746426	2.5826797	21	—	—
73321 2002 JX_{97}	15.1	X	71.95540	158.97980	139.49114	12.65584	0.1877796	0.22224310	2.6992961	21	11 26.9	19.3
73322 2002 JZ_{97}	14.4	X	199.00545	195.10418	136.28933	11.98487	0.2379383	0.19091787	2.9870213	21	2 15.9	19.5
73323 2002 JO_{98}	16.0	X	166.34941	330.27189	0.07618	5.83492	0.1700165	0.29613670	2.2291599	21	—	—
73324 2002 JX_{99}	15.5	X	319.75136	358.26512	170.56706	13.45061	0.0737812	0.24227734	2.5483604	21	—	—
73325 2002 JL_{101}	15.8	X	248.91519	45.55224	233.73291	16.36319	0.1572784	0.24617757	2.5213728	21	1 15.8	20.2
73326 2002 JH_{102}	15.8	X	85.54366	191.34289	61.22220	7.54116	0.0191951	0.27142959	2.3624607	21	9 29.9	18.8
73327 2002 JE_{104}	16.1	X	234.05979	224.47762	79.14068	2.46266	0.0998440	0.24734880	2.5134071	21	2 7.7	19.7
73328 2002 JK_{105}	14.9	X	129.33046	196.47436	110.96008	2.81148	0.1782562	0.18003017	3.1062699	21	—	—
73329 2002 JN_{105}	16.4	X	314.77667	3.28602	204.34089	4.36993	0.0890090	0.29838946	2.2179261	21	—	—
73330 2002 JS_{105}	14.7	X	102.00746	172.31013	105.61337	2.72959	0.1464553	0.17268621	3.1937257	21	11 18.7	19.7
73331 2002 JK_{106}	14.7	X	2.72617	176.73820	127.60856	16.76105	0.1666015	0.21396738	2.7684563	21	8 13.8	17.5
73332 2002 JV_{107}	15.0	X	206.48769	277.68536	253.74710	13.14862	0.1246385	0.22919145	2.6444606	21	10 24.3	19.1
73333 2002 JT_{109}	15.6	X	163.93959	21.81354	313.95371	3.28410	0.2572264	0.23990963	2.5650998	21	1 20.5	19.8
73334 2002 JD_{110}	15.6	X	103.73660	233.96124	35.00305	15.31695	0.1504125	0.22459533	2.6804162	21	11 13.9	19.8
73335 2002 JN_{110}	14.7	X	98.82367	269.63803	41.37390	15.05771	0.1771668	0.22844779	2.6501965	21	—	—
73336 2002 JA_{111}	14.5	X	149.05211	337.79851	250.07996	13.93438	0.2123120	0.17531454	3.1617249	21	11 2.3	20.0
73337 2002 JP_{111}	15.8	X	328.03909	311.82576	309.91077	4.36469	0.1663477	0.25526924	2.4611442	21	3 24.9	18.7
73338 2002 JS_{111}	15.9	X	258.32200	241.52374	328.02470	3.08489	0.2359683	0.29180238	2.2511797	21	—	—
73339 2002 JS_{112}	16.1	X	297.63749	180.02275	342.07613	2.68671	0.1126531	0.29093476	2.2556531	21	—	—
73340 2002 JV_{114}	15.3	X	169.63377	230.93452	87.30523	15.58197	0.1273214	0.23968464	2.5667048	21	—	—
73341 2002 JX_{114}	15.3	X	201.44734	112.27256	175.84948	8.47576	0.1673829	0.23936305	2.5690032	21	—	—
73342 Guyunusa	14.3	X	74.69545	235.81007	40.66197	25.27265	0.2342887	0.21986163	2.7187530	21	11 4.3	18.3
73343 2002 JQ_{117}	14.8	X	15.73182	187.69346	129.99978	14.84460	0.1932447	0.21708578	2.7418801	21	10 8.1	18.0
73344 2002 JT_{119}	15.2	X	174.20210	227.47172	96.86611	15.33497	0.2107470	0.24362995	2.5389195	21	1 11.6	19.3
73345 2002 JM_{121}	15.6	X	78.70468	134.68440	154.78912	13.89940	0.1334643	0.22460911	2.6803066	21	11 17.7	19.8
73346 2002 JV_{122}	15.4	X	328.28019	161.47129	139.40681	9.02809	0.2152266	0.21011839	2.8021627	21	5 23.7	18.6
73347 2002 JS_{123}	15.5	X	230.10899	346.81165	111.96528	7.73235	0.0736382	0.27128328	2.3633100	21	9 1.9	18.7
73348 2002 JZ_{129}	15.3	X	129.61244	174.59388	139.64982	7.40670	0.0758029	0.23528255	2.5986207	21	—	—
73349 2002 JE_{131}	16.4	X	144.05456	214.72463	341.75977	2.32384	0.0251668	0.27396730	2.3478494	21	9 26.9	19.3
73350 2002 JT_{131}	16.1	X	21.51806	132.69183	226.95503	0.72121	0.1716093	0.27944980	2.3170399	21	12 19.4	18.7
73351 2002 JO_{133}	15.9	X	178.38415	154.20321	15.06471	7.36762	0.0907568	0.27536621	2.3398909	21	10 2.2	19.3
73352 2002 JM_{134}	16.1	X	264.68727	337.43021	43.52872	5.42628	0.1727365	0.26561434	2.3968179	21	6 11.9	19.5
73353 2002 JW_{135}	15.5	X	37.75449	151.46835	328.99997	1.19357	0.0457025	0.19722296	2.9230152	21	1 27.8	19.1
73354 2002 JW_{142}	15.4	X	290.29131	137.85323	251.35567	7.78729	0.0163570	0.21659269	2.7460400	21	8 17.4	19.2
73355 2002 JE_{144}	15.4	X	164.14719	119.18871	144.77404	15.52199	0.1209981	0.23515318	2.5995738	21	—	—
73356 2002 JP_{146}	15.1	X	272.40497	9.10491	186.41476	9.57314	0.0664929	0.23867501	2.5739380	21	—	—
73357 2002 KB	15.4	X	194.51075	0.39658	65.56298	26.68030	0.0942671	0.36850773	1.9268074	21	5 27.5	17.4
73358 2002 KT_{1}	15.5	X	325.15019	29.78044	285.85990	3.74671	0.0639927	0.21235447	2.7824569	21	6 25.9	18.8
73359 2002 KN_{2}	16.0	X	330.58861	152.09186	191.11195	6.35786	0.1527610	0.26834416	2.3805352	21	8 5.9	18.1
73360 2002 KW_{2}	16.8	X	57.90426	306.28382	168.23072	0.30180	0.0656802	0.30279093	2.1963800	21	1 24.9	19.0

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73361 2002 KD_5	14.8	X	74.48228	239.28654	70.89560	6.95035	0.1570073	0.17267138	3.1939085	21	11 29.4	19.6
73362 2002 KP_5	14.6	X	205.83756	6.74817	227.90434	10.43480	0.0223880	0.18196641	3.0841955	21	—	—
73363 2002 KG_6	12.8	X	89.10595	83.67219	271.60003	25.88691	0.0731170	0.17610071	3.1523080	21	—	—
73364 2002 KX_6	14.1	X	186.63419	25.39414	248.60959	16.38297	0.1725192	0.17932044	3.1144606	21	—	—
73365 2002 KN_8	14.0	X	138.91279	204.80621	94.40224	19.67648	0.1900833	0.18056202	3.1001672	21	—	—
73366 2002 KO_8	15.1	X	293.09789	187.08390	157.69114	7.73302	0.1314743	0.21017493	2.8016601	21	6 9.2	18.9
73367 2002 KV_8	14.7	X	178.79638	64.71842	206.63328	11.37714	0.0917498	0.18403939	3.0609920	21	—	—
73368 2002 KB_{11}	15.5	X	213.18878	49.97308	190.24087	13.20684	0.1688397	0.18610966	3.0382496	21	—	—
73369 2002 KE_{11}	14.9	X	50.14139	56.60440	249.48156	11.25021	0.2825167	0.22237455	2.6982323	21	11 21.5	18.8
73370 2002 KJ_{12}	14.8	X	2.81079	231.80994	108.57663	13.60196	0.2097141	0.21782479	2.7356751	21	10 18.7	17.8
73371 2002 KA_{13}	15.5	X	251.95990	319.90897	320.74995	0.99716	0.0808574	0.19576005	2.9375595	21	2 6.6	19.7
73372 2002 KB_{13}	15.9	X	352.65813	251.92443	72.49762	7.34972	0.1309098	0.26886230	2.3774758	21	8 31.4	18.2
73373 2002 KU_{13}	15.1	X	172.74075	106.67988	208.07356	3.12912	0.1239389	0.18816857	3.0160462	21	1 1.5	19.8
73374 2002 KC_{14}	15.3	X	132.87732	133.61905	175.07192	15.44597	0.0169083	0.23302247	2.6153964	21	—	—
73375 2002 LN_2	14.7	X	187.45873	189.09443	129.82082	7.99931	0.0553273	0.19151748	2.9807835	21	1 16.4	19.0
73376 2002 LO_2	15.1	X	135.74435	136.65326	193.72115	7.20653	0.2074119	0.23581445	2.5947116	21	—	—
73377 2002 LQ_4	16.2	X	1.40462	44.18242	136.34704	5.77420	0.0687458	0.30055029	2.2072826	21	1 28.4	18.3
73378 2002 LJ_6	15.1	X	34.48821	247.94901	95.01521	13.64983	0.1953946	0.22389848	2.6859749	21	12 7.9	18.6
73379 2002 LJ_7	15.7	X	113.70010	136.63248	176.15737	3.67026	0.0422913	0.23185593	2.6241616	21	—	—
73380 2002 LR_7	16.1	X	238.95400	70.51029	109.89574	8.68919	0.1161988	0.28456973	2.2891640	21	12 28.3	18.7
73381 2002 LY_7	16.0	X	48.52819	273.49894	134.41271	6.90332	0.0869132	0.28879128	2.2668007	21	—	—
73382 2002 LE_8	15.2	X	341.89433	192.24184	129.89679	5.25079	0.0951219	0.21364059	2.7712787	21	7 29.7	18.4
73383 2002 LM_8	15.9	X	247.40208	320.97150	209.42309	6.59590	0.0775087	0.28393323	2.2925839	21	12 31.9	18.7
73384 2002 LK_9	16.5	X	253.30415	340.10441	183.39806	5.35081	0.0935431	0.28360675	2.2943430	21	12 29.1	19.1
73385 2002 LP_9	16.2	X	27.38858	69.32646	154.62831	3.51172	0.1430874	0.25926200	2.4358103	21	5 30.2	18.4
73386 2002 LU_9	14.9	X	91.19233	12.91040	203.66065	7.30591	0.0920266	0.21496368	2.7598956	21	8 18.5	18.9
73387 2002 LV_{11}	14.9	X	22.40419	186.00743	123.55774	5.81864	0.1440273	0.21545013	2.7557398	21	9 27.8	18.1
73388 2002 LN_{12}	15.8	X	239.08218	131.75225	109.27122	8.01902	0.2101553	0.23931289	2.5693622	21	—	—
73389 2002 LY_{12}	14.5	X	155.49424	208.81964	125.07955	11.23968	0.1720333	0.18255454	3.0775678	21	1 12.3	19.4
73390 2002 LE_{14}	14.7	X	29.06712	328.45472	278.24813	8.62861	0.0362496	0.21057260	2.7981317	21	6 28.1	18.2
73391 2002 LJ_{14}	15.2	X	279.37396	128.58551	56.52450	10.08400	0.0420499	0.23797693	2.5789691	21	—	—
73392 2002 LN_{14}	15.5	X	4.16645	70.13697	267.00547	3.60987	0.1209487	0.21780616	2.7358311	21	9 27.6	18.6
73393 2002 LU_{15}	15.9	X	44.90593	174.18930	15.99930	3.12324	0.1040419	0.25721013	2.4487475	21	5 6.5	18.3
73394 2002 LB_{16}	14.8	X	105.44299	276.72795	256.45697	11.93244	0.1517260	0.21313092	2.7756950	21	7 17.3	19.0
73395 2002 LP_{16}	14.6	X	181.47129	57.89162	256.66505	11.50026	0.1638455	0.18753227	3.0228647	21	1 10.2	19.6
73396 2002 LV_{18}	14.8	X	89.60204	52.05771	237.57599	1.10026	0.2295640	0.17078145	3.2174286	21	11 27.4	19.9
73397 2002 LC_{19}	13.4	X	157.02989	1.63336	257.38719	16.39412	0.1357289	0.17733862	3.1376211	21	12 15.6	18.4
73398 2002 LN_{19}	15.7	X	160.08405	124.55944	81.77926	5.07847	0.1034746	0.27547193	2.3392922	21	10 31.6	19.1
73399 2002 LT_{20}	14.2	X	338.15197	172.01076	296.26437	16.98404	0.1072902	0.23017941	2.6368883	21	—	—
73400 2002 LF_{21}	14.2	X	218.82491	353.51921	270.66032	10.10738	0.0894150	0.18362522	3.0655930	21	—	—
73401 2002 LE_{22}	15.0	X	269.29728	0.62217	289.80217	1.06341	0.0665059	0.19862946	2.9092002	21	3 10.0	19.1
73402 2002 LA_{23}	14.3	X	69.55065	300.06359	22.72568	1.79103	0.1490714	0.17223945	3.1992459	21	12 7.6	19.0
73403 2002 LG_{23}	14.5	X	172.66329	20.31098	330.27214	1.00341	0.2276851	0.18699044	3.0287015	21	2 17.7	19.6
73404 2002 LL_{24}	15.2	X	187.59011	162.28853	93.73019	6.64958	0.1321814	0.23318554	2.6141769	21	—	—
73405 2002 LE_{25}	15.2	X	159.37365	46.92840	192.53925	8.05876	0.1694640	0.22820971	2.6520394	21	12 2.4	19.6
73406 2002 LT_{25}	14.6	X	196.70629	59.87583	238.88075	11.28935	0.1730346	0.23772386	2.5807991	21	—	—
73407 2002 LV_{25}	14.3	X	182.84157	170.65775	116.48147	18.99657	0.1784569	0.18105505	3.0945366	21	—	—
73408 2002 LH_{26}	15.8	X	200.40491	108.94361	114.84528	4.10951	0.1007068	0.28348234	2.2950142	21	—	—
73409 2002 LS_{26}	14.6	X	160.87246	124.33520	257.48971	8.96735	0.1114740	0.19029640	2.9935211	21	3 3.9	19.4
73410 2002 LV_{26}	15.0	X	23.20054	127.96305	152.56375	7.24675	0.1875965	0.21233020	2.7826689	21	8 21.2	17.9
73411 2002 LW_{26}	14.3	X	112.06333	120.12436	178.33884	8.94116	0.1365582	0.17561195	3.1581543	21	12 20.8	19.5
73412 2002 LC_{28}	14.5	X	81.89166	267.97034	104.26674	10.72467	0.0975792	0.18226113	3.0808698	21	—	—
73413 2002 LE_{28}	14.9	X	117.69884	221.23433	120.75519	6.29165	0.1768433	0.18088951	3.0964243	21	—	—
73414 2002 LU_{30}	15.3	X	253.75462	336.23500	99.30045	7.24985	0.0515950	0.21820161	2.7325246	21	8 31.8	19.1
73415 2002 LZ_{32}	15.0	X	207.65478	258.06331	200.49640	21.12368	0.0487673	0.21488514	2.7605681	21	7 27.3	19.4
73416 2002 LP_{34}	15.4	X	195.91368	352.55548	256.97880	5.43320	0.1104562	0.23466461	2.6031807	21	—	—
73417 2002 LX_{35}	14.9	X	325.97672	181.81013	156.45693	6.10238	0.0815106	0.21165775	2.7885596	21	7 26.1	18.2
73418 2002 LK_{36}	13.0	X	107.87765	108.37699	255.93430	9.71070	0.2859997	0.12434427	3.9754430	21	1 21.4	19.0
73419 2002 LQ_{36}	13.7	X	80.98574	106.70610	263.95985	10.03809	0.0863856	0.17466348	3.1695771	21	—	—
73420 2002 LX_{36}	15.1	X	32.30456	247.41766	135.72001	15.32522	0.0937638	0.22387005	2.6862023	21	—	—
73421 2002 LX_{38}	15.1	X	119.53235	225.63816	113.50529	14.45700	0.1551410	0.23265585	2.6181432	21	—	—
73422 2002 LY_{38}	13.6	X	132.88089	253.11930	108.85090	17.82241	0.3028819	0.18311388	3.0712974	21	2 7.2	18.7
73423 2002 LG_{39}	16.0	X	217.34382	90.47104	164.19434	6.76758	0.0884810	0.29056688	2.2575565	21	—	—
73424 2002 LV_{39}	14.8	X	287.59363	317.46531	158.75809	10.59477	0.0426952	0.17847336	3.1243075	21	11 30.7	19.3
73425 2002 LJ_{41}	15.5	X	349.76445	96.35655	168.72352	7.89764	0.1029470	0.25729891	2.4481842	21	5 20.8	18.2
73426 2002 LM_{41}	14.8	X	152.73099	161.02699	136.11798	11.61575	0.0980416	0.18060845	3.0996359	21	—	—
73427 2002 LH_{42}	15.6	X	332.40636	153.47686	148.96269	7.18918	0.1169036	0.25978711	2.4325269	21	6 12.2	18.3
73428 2002 LP_{45}	15.4	X	139.94069	57.04657	199.23714	2.11569	0.1127195	0.17658729	3.1465146	21	11 27.3	20.3
73429 2002 LY_{47}	13.0	X	72.32736	117.18247	256.52019	20.65809	0.0463561	0.17107272	3.2137756	21	—	—
73430 2002 LX_{48}	14.3	X	133.97091	23.92530	294.48979	9.95830	0.0661487	0.17826822	3.1267040	21	—	—
73431 2002 LU_{55}	14.8	X	46.47885	98.62394	183.10523	16.06345	0.0945905	0.21575650	2.7531305	21	9 16.4	18.3
73432 2002 LD_{57}	14.3	X	155.73347	329.34833	299.08109	15.37756	0.1406746	0.17494011	3.1662348	21	12 26.0	19.5
73433 2002 LJ_{57}	15.7	X	24.28477	94.24578	209.98861	4.75207	0.0259473	0.21805398	2.7337578	21	9 5.3	19.3
73434 2002 LB_{58}	14.8	X	197.84782	145.90347	173.97907	10.90989	0.0691427	0.18706817	3.0278622	21	1 28.2	19.5
73435 2002 MS	15.1	X	135.04840	327.57945	4.97949	1.96632	0.2064803	0.23308598	2.6149212	21	—	—
73436 2002 MH_2	13.6	X	94.37359	104.59588	266.26148	7.52783	0.2027028	0.12548752	3.9512608	21	1 5.9	19.1
73437 2002 MJ_2	14.0	X	139.74080	101.50655	274.00124	9.99857	0.1299325	0.18536485	3.0463827	21	2 6.7	18.7
73438 2002 MM_2	16.2	X	302.99846	231.09002	35.09058	8.07630	0.1488498	0.25246036	2.4793657	21	3 5.2	19.6
73439 2002 MQ_2	15.3	X	134.82674	220.00079	130.39011	12.03287	0.2024597	0.23760269	2.5816764	21	1 4.9	19.1
73440 2002 ML_3	14.1	X	61.39943	146.10416	221.74741	24.72776	0.1870978	0.22721897	2.6597429	21	—	—

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73441 2002 MU_3	15.4	X	94.23643	201.04427	182.86291	18.88675	0.0617214	0.23906664	2.5711262	21	—	—
73442 Feruglio	14.4	X	35.66714	245.53226	140.09575	3.36102	0.1632500	0.17065119	3.2190657	21	—	—
73443 2002 NK_{10}	14.4	X	153.42688	33.58986	289.37916	15.26247	0.0700874	0.18158039	3.0885650	21	—	—
73444 2002 NR_{12}	13.9	X	62.83795	273.88605	120.39315	22.48928	0.0793447	0.17736347	3.1373280	21	—	—
73445 2002 NS_{12}	15.0	X	326.61466	289.17365	123.14500	8.99091	0.2983367	0.21417984	2.7666252	21	11 3.7	17.0
73446 2002 NX_{12}	14.3	X	332.69243	160.68014	127.95760	13.57146	0.0653978	0.20265710	2.8705261	21	6 3.3	18.2
73447 2002 NM_{13}	14.5	X	85.90205	116.80743	292.44519	9.78314	0.0537033	0.18286032	3.0741359	21	1 8.3	18.5
73448 2002 NS_{13}	14.0	X	162.35848	25.56795	298.23972	8.79025	0.0814261	0.18164168	3.0878703	21	—	—
73449 2002 NW_{18}	14.2	X	247.38787	314.33407	271.78285	9.26934	0.0300499	0.18072137	3.0983446	21	—	—
73450 2002 NY_{19}	13.2	X	125.22584	349.95421	297.22764	15.59544	0.1083144	0.17100050	3.2146803	21	12 18.5	18.3
73451 2002 NN_{30}	14.2	X	144.76519	129.57992	182.86097	9.62284	0.0898085	0.17747771	3.1359816	21	—	—
73452 2002 NS_{33}	14.2	X	148.90285	148.15916	266.85866	8.12644	0.0712962	0.19340108	2.9613981	21	3 28.2	18.7
73453 Ninomanfredi	15.4	X	260.18494	235.84693	201.32573	4.24040	0.0379779	0.21295796	2.7771977	21	9 8.8	19.2
73454 2002 NB_{35}	14.8	X	51.53793	331.19741	164.23828	11.75306	0.0454615	0.19083813	2.9878534	21	3 7.7	18.5
73455 2002 NT_{36}	14.0	X	118.86676	148.56046	210.20668	8.57533	0.2445442	0.12615467	3.9373181	21	1 20.8	20.1
73456 2002 ND_{38}	14.2	X	107.89589	167.08638	240.08566	8.48104	0.0755529	0.18341775	3.0679043	21	2 1.9	18.7
73457 2002 NZ_{43}	12.9	X	97.20611	250.22995	134.59764	9.97740	0.2721742	0.12605845	3.9393213	21	2 2.9	18.6
73458 2002 NZ_{47}	13.2	X	41.86667	287.15891	130.85029	9.70806	0.1590918	0.12399182	3.9829730	21	—	—
73459 2002 NL_{48}	14.2	X	99.61536	178.33260	224.76911	21.27245	0.1330376	0.18165311	3.0877407	21	1 22.5	18.9
73460 2002 NM_{50}	14.2	X	170.74378	309.00728	341.65832	8.93598	0.0342600	0.17989082	3.1078739	21	—	—
73461 2002 NV_{51}	14.2	X	129.11409	83.32309	296.87208	8.73850	0.0792890	0.18391896	3.0623281	21	1 28.5	18.5
73462 2002 NA_{53}	14.9	X	214.13025	4.51108	10.37931	1.79624	0.1218773	0.19521660	2.9430088	21	4 20.1	19.5
73463 2002 NE_{53}	14.5	X	73.54068	307.00369	118.68553	11.26174	0.0988884	0.18209958	3.0826917	21	1 17.1	18.3
73464 2002 NY_{54}	14.9	X	176.61050	50.77175	306.57625	8.61730	0.0491898	0.18897158	3.0074959	21	2 17.8	19.3
73465 Buonanno	14.5	X	331.64906	301.12658	91.28339	13.55141	0.1272726	0.21618066	2.7495280	21	10 25.9	17.8
73466 2002 OP_5	14.7	X	45.98503	216.86695	217.98064	9.96442	0.0700072	0.18073638	3.0981730	21	—	—
73467 2002 OV_5	14.2	X	308.84447	209.43560	272.18628	15.59384	0.0689625	0.17392148	3.1785855	21	12 29.9	18.4
73468 2002 OB_8	14.3	X	5.75136	149.38745	278.06983	3.00191	0.1351274	0.17248528	3.1962055	21	—	—
73469 2002 OZ_{12}	14.7	X	207.22321	31.70852	242.58963	9.65253	0.0352486	0.18220868	3.0814609	21	—	—
73470 2002 OM_{15}	14.5	X	158.84181	53.22879	211.26173	9.14613	0.0185757	0.17246442	3.1964632	21	12 24.2	19.2
73471 2002 OH_{16}	14.8	X	54.66618	308.89730	269.56096	13.93018	0.0932004	0.20575241	2.8416642	21	7 3.5	18.5
73472 2002 ON_{18}	14.2	X	308.86966	251.77534	269.43082	8.70095	0.0782347	0.17795557	3.1303651	21	—	—
73473 2002 OV_{18}	14.8	X	291.42729	289.81253	249.67886	9.76206	0.0441655	0.17968432	3.1102545	21	—	—
73474 2002 OK_{19}	14.5	X	287.50541	189.72745	264.21954	11.14718	0.1346831	0.21492094	2.7602615	21	10 22.8	18.2
73475 2002 PV_1	13.3	X	140.13358	353.60166	357.40158	1.71953	0.2506648	0.12631812	3.9339209	21	2 1.9	19.6
73476 2002 PO_4	16.4	X	321.54019	338.61588	217.81101	6.80123	0.0395800	0.29078247	2.2564406	21	—	—
73477 2002 PQ_{14}	14.4	X	76.85216	276.82325	129.82913	9.63688	0.2206506	0.17926934	3.1150525	21	1 14.7	18.2
73478 2002 PX_{14}	15.0	X	113.81548	179.77795	127.33444	5.89566	0.1090025	0.17284190	3.1918075	21	12 29.9	20.0
73479 2002 PM_{23}	14.5	X	16.75658	243.43175	204.98882	2.79596	0.1994370	0.17607875	3.1525701	21	—	—
73480 2002 PN_{34}	8.5	X	40.62841	358.83356	299.00130	16.64462	0.5709138	0.00567920	31.1131807	21	11 4.9	22.7
73481 2002 PO_{69}	13.6	X	127.09692	198.36434	236.75301	10.66162	0.0686746	0.18803155	3.0175113	21	3 28.9	18.1
73482 2002 PP_{71}	14.7	X	154.12864	13.50287	233.81718	11.35615	0.1214581	0.17136673	3.2100987	21	11 29.3	19.8
73483 2002 PB_{72}	14.1	X	20.10784	248.99640	169.81304	17.64954	0.1894973	0.17221997	3.1994872	21	—	—
73484 2002 PD_{72}	15.2	X	305.53253	206.61069	237.96789	11.14673	0.1294016	0.21788954	2.7351330	21	11 13.5	18.1
73485 2002 PA_{73}	14.2	X	296.76401	330.71665	167.04256	16.36311	0.0263478	0.17536893	3.1610713	21	—	—
73486 2002 PY_{85}	13.9	X	356.88536	114.61045	330.43876	14.98958	0.0532453	0.17435357	3.1733318	21	—	—
73487 2002 PD_{89}	14.8	X	335.19382	198.48783	236.69457	13.14449	0.1583113	0.21846544	2.7303242	21	12 23.9	17.7
73488 2002 PO_{90}	14.4	X	82.89484	313.77124	193.28444	18.60701	0.1559862	0.19538218	2.9413458	21	5 21.6	18.6
73489 2002 PE_{121}	14.0	X	268.39997	258.26254	297.98943	9.95611	0.0441267	0.17600429	3.1534592	21	—	—
73490 2002 PR_{123}	15.0	X	232.53144	227.00046	10.32941	0.64555	0.0804632	0.17913275	3.1166358	21	—	—
73491 Robmatson	14.8	X	300.35476	171.32802	327.10594	12.87023	0.1288560	0.22709840	2.6606842	21	—	—
73492 2002 QE_{28}	14.8	X	98.95119	185.96426	172.36587	0.73352	0.1579200	0.17284717	3.1917426	21	—	—
73493 2002 QT_{41}	15.1	X	264.91194	263.80052	345.84828	4.85828	0.1056457	0.18630241	3.0361535	21	1 14.8	19.8
73494 2002 QF_{42}	13.9	X	118.75670	318.12230	333.81190	14.73497	0.1245064	0.17143252	3.2092773	21	12 18.3	19.2
73495 2002 QE_{43}	14.5	X	103.63646	331.25895	55.60003	6.75119	0.0637555	0.18057303	3.1000411	21	1 5.9	18.9
73496 2002 RW_{10}	14.6	X	30.04654	308.61597	142.49896	5.88691	0.1402490	0.17614873	3.1517350	21	—	—
73497 2002 RT_{13}	14.4	X	77.41889	330.17489	56.97201	1.41085	0.1483116	0.17218004	3.1999818	21	—	—
73498 2002 RP_{25}	14.1	X	138.24225	228.36984	225.58431	8.23259	0.2755036	0.18209964	3.0826909	21	5 25.5	19.4
73499 2002 RL_{53}	15.3	X	309.64394	6.75846	50.93451	2.80359	0.0471207	0.21177194	2.7875571	21	10 21.7	18.9
73500 2002 RK_{57}	14.3	X	165.98043	47.15197	228.12226	3.79389	0.1204367	0.17118777	3.2123355	21	—	—
73501 2002 RG_{157}	15.8	X	220.18041	40.16208	245.58175	2.60017	0.2133154	0.23483617	2.6019127	21	1 4.3	20.3
73502 2002 RE_{224}	14.2	X	21.05575	39.67440	32.62732	11.42155	0.1355163	0.17171518	3.2057545	21	—	—
73503 2002 TX_{52}	16.4	X	328.76668	174.96661	198.74931	1.43321	0.1981483	0.30815754	2.1708052	21	9 30.2	17.4
73504 2002 TO_{110}	14.0	X	306.05706	103.68732	79.91635	14.27251	0.1320923	0.22639351	2.6662041	21	—	—
73505 2002 TD_{124}	13.8	X	88.88054	79.81046	325.65623	11.06640	0.1388513	0.17536049	3.1611726	21	1 22.1	18.0
73506 2002 TJ_{144}	13.1	X	40.27523	32.86194	59.14782	18.35620	0.1776798	0.17225787	3.1990178	21	1 5.9	16.9
73507 2002 TN_{220}	14.0	X	183.70884	187.24243	301.27819	16.39959	0.3080344	0.19801466	2.9152188	21	8 4.9	19.3
73508 2002 TQ_{220}	13.9	X	34.55162	211.84050	285.19594	15.99272	0.2737633	0.17918844	3.1159900	21	2 18.2	17.0
73509 2002 TG_{260}	14.9	X	177.12186	203.70134	160.80111	4.16624	0.1428955	0.18034685	3.1026325	21	3 6.5	20.0
73510 2002 UQ	13.3	X	63.65420	324.21870	106.27102	16.51347	0.2169301	0.17480341	3.1678853	21	1 24.7	16.9
73511 Lovas	14.0	X	292.51118	188.77213	103.85421	15.93055	0.0928736	0.17755444	3.1350781	21	4 17.1	18.7
73512 2003 AL_{11}	16.0	X	166.22981	200.91271	227.90733	8.14726	0.0682967	0.28574394	2.2828885	21	4 30.3	18.9
73513 2003 BK_{10}	16.2	X	171.91940	94.13112	4.05806	7.40821	0.0522645	0.28777068	2.2721571	21	6 17.3	19.2
73514 2003 BB_{48}	14.6	X	72.83044	76.94353	150.99922	9.92847	0.1529371	0.18181827	3.0858705	21	8 19.5	18.9
73515 2003 EU_5	16.0	X	314.17587	227.70606	326.00696	1.74944	0.1207579	0.26375229	2.4080854	21	—	—
73516 2003 EY_{45}	15.1	X	21.80248	351.97180	229.83420	7.17512	0.2105705	0.22216259	2.6999482	21	5 21.9	17.4
73517 Cranbrook	14.6	X	46.19046	101.51411	174.82483	10.50925	0.0959573	0.18176317	3.0864941	21	9 5.8	18.6
73518 2003 HW_{46}	15.5	X	6.44055	348.09552	193.14141	6.76945	0.0463211	0.26621063	2.3932374	21	2 14.7	18.5
73519 2003 JF_{10}	14.8	X	75.54062	78.94501	189.57426	9.43445	0.0214150	0.18120216	3.0928615	21	9 23.8	19.0
73520 Boslough	14.4	X	323.12121	71.14792	282.81506	12.14805	0.2314491	0.21827195	2.7319375	21	7 24.5	17.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73521 2003 MD_1	16.0	X	347.47347	43.45649	274.39256	4.58671	0.1630791	0.27330534	2.3516389	21	8 2.8	17.9
73522 2003 MK_2	15.1	X	309.58641	30.43490	278.65672	6.89540	0.2105784	0.21245614	2.7815691	21	4 29.3	18.7
73523 2003 MQ_3	15.5	X	303.71121	10.12786	310.24040	9.62810	0.2367894	0.26719390	2.3873624	21	4 24.4	18.8
73524 2003 MO_6	13.6	X	65.82712	355.35576	290.34650	24.48901	0.1448163	0.17142361	3.2093885	21	10 6.9	18.7
73525 2003 MP_8	15.9	X	255.71241	182.68201	175.38563	6.16382	0.1442804	0.26531589	2.3986150	21	5 6.9	19.3
73526 2003 NU	16.2	X	314.80581	202.87699	109.30904	3.70824	0.2196749	0.26676574	2.3899162	21	5 8.9	18.7
73527 2003 NC_3	13.6	X	13.76761	238.07110	158.06127	10.28470	0.2757775	0.17080113	3.2171815	21	—	—
73528 2003 NU_8	13.4	X	79.35810	93.77042	265.18650	26.09353	0.1337165	0.17898791	3.1183169	21	—	—
73529 Giorgiopalumbo	14.7	X	178.41312	1.64896	300.33239	8.83092	0.0893142	0.18959040	3.0009481	21	—	—
73530 2003 OL_2	16.0	X	273.75011	240.10121	75.31349	3.18963	0.1678497	0.26200283	2.4187931	21	3 29.3	19.4
73531 2003 OE_5	16.4	X	268.35372	348.33109	336.67080	0.67085	0.1898566	0.26197083	2.4189901	21	3 31.7	20.0
73532 2003 OF_5	14.2	X	99.49145	17.59409	315.98452	10.71527	0.1007856	0.18191784	3.0847445	21	—	—
73533 Alonso	15.6	X	328.73259	32.87207	303.07704	5.56618	0.1411930	0.27199245	2.3592003	21	7 24.7	17.8
73534 Liviasavioli	16.7	X	156.46024	181.21097	152.94369	6.63273	0.2708431	0.30073640	2.2063719	21	1 3.2	19.9
73535 2003 OB_{14}	13.2	X	228.42398	175.53913	230.87761	17.04984	0.1103381	0.15642563	3.4113852	21	6 13.9	18.6
73536 2003 OX_{14}	14.0	X	111.35142	39.29798	267.68987	14.57756	0.1198646	0.17919053	3.1159658	21	12 28.8	18.9
73537 2003 OC_{15}	14.7	X	172.81621	56.50863	270.73548	11.68206	0.1241368	0.19024111	2.9941012	21	1 14.5	19.5
73538 2003 OD_{15}	14.2	X	28.91851	163.13980	242.07859	9.80027	0.1197711	0.17813425	3.1282715	21	—	—
73539 2003 OW_{18}	13.9	X	53.36205	57.89063	288.31905	9.86580	0.1292304	0.17488136	3.1669438	21	12 15.1	18.3
73540 2003 OZ_{20}	16.1	X	296.83419	192.02168	119.49714	3.35117	0.2324977	0.26573237	2.3961081	21	4 10.8	19.2
73541 2003 OE_{22}	15.7	X	318.53568	356.65979	14.89870	4.93878	0.2642414	0.26960411	2.3731128	21	8 14.4	17.2
73542 2003 OJ_{23}	15.9	X	271.34489	51.95972	310.66532	5.21710	0.0762298	0.26551459	2.3974182	21	6 9.2	19.0
73543 2003 OB_{30}	15.0	X	147.56928	220.40794	131.64170	11.98347	0.1062427	0.18998327	2.9968096	21	1 17.9	19.4
73544 2003 OZ_{30}	14.2	X	122.90231	334.98492	311.39061	10.33196	0.2052549	0.17818519	3.1276751	21	12 20.3	19.6
73545 2003 OB_{31}	14.6	X	323.41804	16.23147	314.00416	11.36808	0.1200694	0.21339027	2.7734456	21	7 8.7	17.9
73546 2003 OM_{31}	15.8	X	337.51331	39.12373	321.27682	6.34351	0.0989647	0.27317671	2.3523771	21	9 19.7	18.2
73547 2003 PW	15.0	X	22.67588	52.46717	334.85229	16.52114	0.1732784	0.22882715	2.6472666	21	—	—
73548 2003 PM_3	15.9	X	1.90616	132.07895	164.94379	2.14209	0.2097106	0.21742058	2.7390646	21	8 1.3	18.3
73549 2003 PL_8	16.2	X	240.72714	110.23177	189.35910	3.81236	0.1523973	0.25543941	2.4600510	21	2 4.2	20.2
73550 2003 PG_9	15.3	X	347.50290	299.72892	320.64892	11.18648	0.0357607	0.26443710	2.4039262	21	5 7.8	18.4
73551 2003 QV	14.6	X	9.10267	190.80030	306.48647	8.21152	0.0248760	0.19260488	2.9695538	21	1 12.5	18.6
73552 2003 QK_{12}	15.7	X	179.96956	211.50467	60.04363	4.54565	0.1816086	0.24197427	2.5504878	21	—	—
73553 2003 QH_{30}	15.3	X	335.79723	238.18472	62.50399	8.50799	0.2072974	0.21446703	2.7641548	21	6 5.1	17.9
73554 2124 P–L	14.4	X	146.71704	335.01362	352.98953	11.02276	0.1230494	0.18321977	3.0701140	21	—	—
73555 2129 P–L	15.2	X	104.40641	277.99611	201.41483	5.53947	0.0860248	0.25247323	2.4792814	21	4 26.9	18.2
73556 2130 P–L	14.3	X	166.72209	328.57959	351.74194	9.90074	0.2269776	0.18403086	3.0610866	21	1 12.4	19.5
73557 2131 P–L	17.1	X	328.94936	58.89383	324.45096	1.78988	0.1439379	0.27472796	2.3435136	21	10 10.3	19.1
73558 2567 P–L	14.5	X	249.91780	7.98475	19.34951	2.23497	0.0737638	0.20679888	2.8320697	21	6 17.3	18.4
73559 2665 P–L	16.5	X	238.64866	160.20132	170.97527	3.95549	0.2564072	0.25306829	2.4753934	21	3 9.7	20.7
73560 2737 P–L	15.9	X	211.29710	300.51979	55.42372	3.77562	0.1072699	0.25244020	2.4794977	21	3 21.9	19.6
73561 2803 P–L	16.4	X	315.15102	247.94836	184.99039	2.96540	0.0879726	0.27628801	2.3346835	21	12 1.3	18.8
73562 2810 P–L	16.1	X	15.34244	149.76590	184.67504	2.97663	0.1116883	0.27512798	2.3412415	21	10 24.6	18.3
73563 3009 P–L	14.8	X	116.27722	78.82440	305.32193	8.79099	0.1323519	0.18409584	3.0603662	21	1 26.1	18.9
73564 4051 P–L	15.7	X	61.01104	91.97944	258.45023	1.74831	0.2124762	0.22940869	2.6427909	21	—	—
73565 4252 P–L	17.0	X	344.54754	338.69856	318.26201	3.05992	0.1720190	0.32138121	2.1108420	21	6 19.2	18.1
73566 4259 P–L	15.1	X	132.28585	139.10608	227.10840	3.96584	0.1205223	0.18410060	3.0603134	21	1 20.3	19.6
73567 4509 P–L	14.6	X	328.76653	323.20568	175.38937	5.42608	0.1697561	0.18263247	3.0766922	21	—	—
73568 4656 P–L	16.0	X	81.29717	71.45244	14.08924	4.65350	0.1429505	0.29861072	2.2168303	21	2 2.7	17.9
73569 4659 P–L	14.7	X	80.51642	216.28533	182.60057	9.39063	0.1381602	0.18303917	3.0721331	21	—	—
73570 4736 P–L	14.9	X	59.55600	23.21382	11.32151	10.11283	0.0502527	0.18224906	3.0810058	21	—	—
73571 4755 P–L	15.7	X	357.61384	223.16144	180.42146	13.19764	0.1467236	0.22832488	2.6511475	21	12 23.9	18.9
73572 4765 P–L	15.8	X	101.80912	285.76258	20.80563	1.33419	0.1884443	0.23004740	2.6378970	21	—	—
73573 4766 P–L	14.7	X	13.38527	249.01892	193.67673	4.80306	0.0306903	0.18233998	3.0799815	21	—	—
73574 4783 P–L	15.2	X	24.50028	344.25437	199.22244	1.58026	0.1300738	0.25206066	2.4819860	21	3 21.1	17.5
73575 4789 P–L	17.3	X	195.54493	269.09363	25.05713	1.05928	0.2850388	0.29872654	2.2162573	21	—	—
73576 4812 P–L	15.2	X	64.25549	353.67737	60.08342	0.83337	0.2126240	0.18260003	3.0770566	21	—	—
73577 4818 P–L	14.2	X	221.96701	238.67350	1.66212	5.89640	0.1767068	0.18379615	3.0636920	21	—	—
73578 6277 P–L	14.7	X	309.70082	272.77659	218.47430	5.16568	0.0183866	0.18193636	3.0845351	21	—	—
73579 6284 P–L	15.8	X	113.76763	105.14553	184.02072	3.80646	0.1976057	0.23010668	2.6374439	21	12 22.5	20.1
73580 6285 P–L	16.4	X	177.73262	313.00227	346.38536	4.14187	0.1841479	0.29779379	2.2208827	21	—	—
73581 6772 P–L	15.5	X	53.05128	354.79144	168.05010	2.40595	0.1176666	0.25248011	2.4792364	21	4 13.9	18.1
73582 2249 T–1	16.4	X	152.89507	87.02084	157.69117	3.62372	0.1508688	0.28549936	2.2841921	21	12 10.9	20.0
73583 3092 T–1	15.2	X	27.19398	185.53355	10.92020	4.41519	0.0516407	0.19815922	2.9138009	21	4 19.3	18.9
73584 3228 T–1	15.8	X	63.21179	240.47147	320.62714	1.38490	0.1516276	0.25874038	2.4390830	21	7 2.3	18.5
73585 3339 T–1	15.0	X	54.96440	153.48246	22.39039	6.09480	0.0070927	0.19848554	2.9106063	21	4 27.5	18.9
73586 4141 T–1	16.3	X	162.60769	10.95195	111.34862	1.61557	0.1691650	0.26088123	2.4257209	21	7 13.9	20.2
73587 1020 T–2	16.0	X	286.39867	165.53446	183.98006	6.29921	0.1351187	0.26359639	2.4090348	21	6 3.3	19.1
73588 1067 T–2	15.6	X	187.75472	195.24365	270.84338	1.67205	0.1482845	0.26313484	2.4118510	21	7 16.7	19.2
73589 1114 T–2	16.6	X	295.13638	79.72427	299.98972	0.39258	0.1950276	0.26516710	2.3995121	21	7 20.0	19.1
73590 1258 T–2	15.4	X	173.89601	159.34175	2.97268	7.63138	0.0638638	0.26622603	2.3931451	21	9 18.1	18.6
73591 1359 T–2	16.0	X	241.15963	241.91781	7.18163	5.61430	0.1094581	0.29663938	2.2266409	21	—	—
73592 1401 T–2	16.3	X	293.56968	336.04535	311.73115	1.93602	0.1795450	0.26143257	2.4223093	21	3 11.8	19.6
73593 1806 T–2	16.3	X	240.65201	83.70325	325.57093	1.48806	0.2130035	0.26338499	2.4103237	21	6 19.8	20.0
73594 2014 T–2	15.8	X	335.22340	277.00314	217.25312	3.52091	0.0811191	0.29436316	2.2381048	21	—	—
73595 2129 T–2	15.7	X	286.10636	301.74044	17.07367	5.76967	0.1266585	0.26202100	2.4186813	21	4 20.5	18.8
73596 2147 T–2	14.9	X	251.22785	292.36277	9.68714	11.99154	0.0164502	0.19653188	2.9298634	21	3 12.2	19.0
73597 2188 T–2	16.0	X	45.50149	220.23497	204.89077	4.87160	0.2862374	0.23170361	2.6253116	21	—	—
73598 2912 T–2	16.9	X	94.73646	43.66061	349.44852	1.45021	0.1409705	0.29529682	2.2333847	21	—	—
73599 3012 T–2	15.9	X	116.19947	267.51884	15.89379	2.32436	0.1866492	0.31292326	2.1487084	21	12 29.6	19.3
73600 3020 T–2	14.0	X	278.06606	335.74526	4.95045	14.20784	0.2216446	0.20131650	2.8832555	21	4 27.7	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73601 3045 *T–2*	15.2	*X*	261.55704	129.89122	172.94363	10.13898	0.0743913	0.19775933	2.9177275	21	3 16.3	19.5
73602 3053 *T–2*	15.1	*X*	102.66731	348.48238	28.10350	4.42689	0.2613664	0.23318212	2.6142024	21	1 8.5	18.2
73603 3214 *T–2*	15.5	*X*	119.41873	304.26585	31.96634	6.13800	0.2516473	0.23280093	2.6170553	21	—	—
73604 4039 *T–2*	15.6	*X*	159.47651	330.94764	153.35973	2.61371	0.1539043	0.26244049	2.4161032	21	7 12.7	19.4
73605 4041 *T–2*	15.6	*X*	68.55589	336.12578	27.77814	2.33525	0.0905782	0.23089584	2.6314310	21	—	—
73606 4079 *T–2*	14.9	*X*	146.48842	312.05938	15.78124	5.10842	0.1693401	0.23376299	2.6098700	21	—	—
73607 4092 *T–2*	14.9	*X*	209.80975	350.08815	20.11299	8.92726	0.2918636	0.19839704	2.9114719	21	4 7.3	20.1
73608 4155 *T–2*	15.2	*X*	22.28975	130.25691	20.61554	5.90829	0.0803268	0.29812151	2.2192549	21	1 20.8	17.4
73609 5114 *T–2*	15.5	*X*	345.42184	204.64349	240.55147	10.61023	0.0360660	0.23044835	2.6348364	21	—	—
73610 Klyuchevskaya	16.6	*X*	332.81447	312.99301	3.81252	19.65814	0.0706433	0.37791920	1.8946838	21	7 19.3	18.6
73611 2127 *T–3*	14.4	*X*	313.45879	110.23027	4.83183	11.16889	0.1629543	0.22751204	2.6574583	21	—	—
73612 2178 *T–3*	14.9	*X*	157.68136	139.73603	217.08495	11.03061	0.2328719	0.18903438	3.0068298	21	2 9.5	20.1
73613 2213 *T–3*	15.8	*X*	241.39853	190.20308	238.40813	5.14716	0.0928436	0.26550896	2.3974520	21	7 28.8	19.0
73614 2229 *T–3*	14.3	*X*	225.45999	184.42290	3.03502	12.49279	0.1673772	0.22718469	2.6600104	21	11 28.1	18.4
73615 2353 *T–3*	15.7	*X*	267.27052	276.22143	230.37706	5.06979	0.0403393	0.22735380	2.6586913	21	12 20.2	19.2
73616 2383 *T–3*	15.2	*X*	145.18308	91.89225	307.62024	2.51933	0.0715351	0.19048017	2.9915954	21	3 8.6	19.5
73617 2437 *T–3*	15.5	*X*	299.81747	147.33152	333.54847	4.04694	0.1871718	0.22671268	2.6637012	21	12 20.9	18.2
73618 2458 *T–3*	14.8	*X*	112.65421	49.47800	350.12879	4.34010	0.0777276	0.18826085	3.0150606	21	2 2.2	19.0
73619 3322 *T–3*	14.6	*X*	348.74429	242.99991	191.34105	11.55446	0.1816860	0.22725424	2.6594677	21	—	—
73620 3346 *T–3*	16.3	*X*	235.32097	32.18813	20.95754	3.75531	0.2068433	0.26424104	2.4051151	21	6 20.1	20.1
73621 3381 *T–3*	15.7	*X*	224.14284	31.49273	38.05291	3.31058	0.1452315	0.26440994	2.4040908	21	7 6.2	19.2
73622 3418 *T–3*	14.9	*X*	239.87668	154.14112	104.88972	2.03131	0.1148666	0.18856804	3.0117851	21	—	—
73623 3477 *T–3*	14.4	*X*	247.22506	197.75933	44.79523	4.07810	0.0423687	0.18753120	3.0228762	21	—	—
73624 3481 *T–3*	15.8	*X*	207.83794	35.82372	18.66056	5.42003	0.1132621	0.26290529	2.4132548	21	5 29.9	19.4
73625 3524 *T–3*	16.3	*X*	291.42264	189.62504	205.95171	2.44581	0.1676423	0.26683895	2.3894791	21	8 10.7	18.9
73626 3939 *T–3*	16.4	*X*	350.47901	274.94512	29.20762	6.65677	0.1819471	0.26632659	2.3925427	21	7 20.2	18.3
73627 4040 *T–3*	16.0	*X*	258.59701	301.83317	57.44011	3.79883	0.2128201	0.26344583	2.4099526	21	5 3.4	19.7
73628 4170 *T–3*	15.4	*X*	255.72422	335.87291	109.09374	4.17254	0.1686517	0.26665541	2.3905754	21	8 31.7	18.5
73629 4303 *T–3*	14.6	*X*	0.32293	64.62556	42.93043	9.51797	0.1135136	0.18503721	3.0499777	21	—	—
73630 4352 *T–3*	14.7	*X*	94.22956	275.18405	45.50574	9.25752	0.0295631	0.22775861	2.6555400	21	12 29.6	18.5
73631 4367 *T–3*	15.1	*X*	329.64003	52.82085	38.53674	14.75514	0.1050595	0.22727546	2.6593021	21	—	—
73632 4432 *T–3*	15.8	*X*	310.05234	238.13598	137.76304	5.17250	0.2376414	0.26721943	2.3872104	21	8 3.3	18.0
73633 4702 *T–3*	15.0	*X*	238.09725	51.99134	185.43393	13.48393	0.0490365	0.18644998	3.0345514	21	—	—
73634 5077 *T–3*	14.7	*X*	67.84353	286.77212	164.36614	13.46066	0.1522679	0.18812999	3.0164586	21	2 13.4	18.5
73635 5105 *T–3*	14.7	*X*	196.34280	216.55244	132.15805	9.67430	0.0919985	0.19090226	2.9871842	21	3 5.3	19.4
73636 5727 *T–3*	14.5	*X*	192.03646	115.10319	66.78435	14.44485	0.1266585	0.22483313	2.6785259	21	10 29.4	18.7
73637 Guneus	12.6	*X*	350.92835	205.27488	187.27570	12.03532	0.1853623	0.08413218	5.1581578	21	10 28.4	18.5
73638 Likhanov	13.7	*X*	134.91148	114.90521	276.45771	13.35851	0.2855301	0.18056809	3.1000976	21	3 4.6	19.1
73639 1977 EL_7	14.8	*X*	73.61372	6.11301	181.59679	11.97159	0.2601721	0.18218568	3.0817204	21	7 14.1	19.3
73640 Biermann	14.4	*X*	125.07222	284.13591	96.30093	23.56033	0.0760584	0.23446339	2.6046699	21	1 13.9	17.9
73641 1977 UK_3	12.5	*X*	357.66067	30.31473	240.60852	4.41801	0.0485519	0.08202234	5.2462376	21	6 18.1	19.1
73642 1978 RV_9	15.5	*X*	217.48011	129.79592	157.94681	5.26175	0.2500918	0.24217799	2.5490573	21	1 3.8	20.1
73643 1978 UA_5	16.3	*X*	38.88583	32.29437	352.92107	2.47281	0.1754684	0.27960511	2.3161818	21	—	—
73644 1978 UD_7	14.6	*X*	335.72620	281.32045	8.67798	8.48819	0.2118362	0.29411497	2.2393637	21	5 7.7	16.4
73645 1978 VX_2	14.9	*X*	103.87515	262.73584	236.64664	12.42570	0.0915468	0.24215171	2.5492417	21	5 25.1	18.3
73646 1978 VT_3	14.6	*X*	321.76353	216.02744	63.44906	15.68674	0.0503948	0.24285300	2.5443318	21	5 4.6	17.9
73647 1978 VL_9	15.7	*X*	75.16033	243.27633	161.50118	1.66302	0.1606135	0.23504457	2.6003745	21	—	—
73648 1979 ME_6	16.7	*X*	165.09172	15.84309	261.96846	6.71793	0.1118754	0.29152727	2.2525957	21	—	—
73649 1979 MA_9	14.5	*X*	165.79262	301.39841	134.44804	14.63977	0.0211106	0.18418680	3.0593586	21	5 18.6	19.1
73650 1981 *DN*	15.7	*X*	196.21098	213.56209	306.27323	7.03730	0.2155235	0.25731942	2.4480541	21	9 25.3	19.8
73651 1981 EJ_2	14.4	*X*	310.12941	85.93366	252.15657	9.50634	0.1639919	0.20295021	2.8677616	21	6 19.4	17.9
73652 1981 EN_3	16.0	*X*	103.79988	310.52214	208.03918	12.33356	0.1945080	0.25065633	2.4912478	21	7 2.5	19.8
73653 1981 EN_6	16.0	*X*	135.50839	15.53699	269.30882	6.31157	0.2078501	0.28370237	2.2938274	21	—	—
73654 1981 ET_6	13.3	*X*	39.01061	237.16729	320.04142	9.44969	0.1460777	0.12522697	3.9567396	21	5 20.5	18.4
73655 1981 EL_9	13.7	*X*	249.41680	76.98095	337.91951	15.79578	0.1146335	0.15558000	3.4237355	21	7 21.1	18.9
73656 1981 EW_{12}	15.8	*X*	162.22129	321.59327	323.70867	5.88955	0.0435663	0.28688413	2.2768357	21	—	—
73657 1981 EJ_{13}	14.7	*X*	195.59719	147.67301	319.94085	7.92696	0.0968416	0.25328991	2.4739492	21	7 29.6	18.2
73658 1981 EU_{14}	15.4	*X*	76.49913	266.83256	335.08977	5.36124	0.1324048	0.25304391	2.4755524	21	9 13.1	18.5
73659 1981 ER_{16}	15.6	*X*	10.49316	233.88680	341.27872	11.80641	0.0965733	0.24740484	2.5130276	21	4 7.4	18.4
73660 1981 EZ_{19}	15.4	*X*	228.22681	315.87577	342.03308	3.66537	0.0904431	0.24334083	2.5409302	21	1 26.4	19.0
73661 1981 EW_{25}	15.8	*X*	187.67603	111.36623	357.71088	12.59032	0.2118986	0.25364553	2.4716364	21	7 23.2	20.2
73662 1981 ES_{27}	16.6	*X*	357.93205	201.34773	5.21082	7.24262	0.1529621	0.29469297	2.2364346	21	2 22.6	18.6
73663 1981 EL_{31}	15.8	*X*	237.65410	26.96643	166.93664	5.87467	0.1125998	0.28608483	2.2810747	21	—	—
73664 1981 EE_{34}	16.8	*X*	351.52490	210.46043	313.57081	1.99189	0.1569429	0.26786489	2.3833739	21	—	—
73665 1981 EX_{42}	15.9	*X*	224.78399	72.64770	359.22286	3.65801	0.1995406	0.25384321	2.4703530	21	7 5.8	19.7
73666 1981 EH_{45}	15.8	*X*	186.53117	161.71619	294.20795	5.87548	0.1099128	0.25225590	2.4807052	21	7 2.9	19.5
73667 1981 ER_{45}	16.2	*X*	347.52453	303.28649	192.62738	6.52313	0.1049672	0.29014619	2.2597382	21	—	—
73668 1981 EG_{48}	15.7	*X*	108.79055	341.63590	195.40600	6.38987	0.0681364	0.25169954	2.4843595	21	7 17.6	19.1
73669 1981 WL_2	15.9	*X*	48.45827	339.79065	43.10469	26.90100	0.0924450	0.39961176	1.8254805	21	—	—
73670 Kurthopf	14.0	*X*	358.85384	19.53574	301.41416	11.45632	0.1954342	0.25227143	2.4806034	21	8 30.8	16.2
73671 1984 BH_6	15.5	*X*	8.49909	109.95730	129.02285	9.79177	0.1894767	0.24447656	2.5330547	21	5 17.4	17.8
73672 1986 *QR*	16.0	*X*	214.28121	323.95134	346.15830	5.45054	0.2123582	0.29837122	2.2180165	21	1 21.3	19.6
73673 1986 RX_1	14.7	*X*	204.37810	2.21186	310.41940	7.03605	0.3624398	0.24126595	2.5554773	21	1 25.7	19.7
73674 1988 BN_5	14.5	*X*	343.05921	225.64451	282.06231	12.77505	0.2409692	0.17544880	3.1601119	21	—	—
73675 1988 *CF*	14.5	*X*	24.81386	149.75848	356.51761	5.36348	0.2246206	0.23803799	2.5785281	21	1 26.3	16.5
73676 1988 CD_5	14.2	*X*	133.28265	172.80339	266.22699	9.06659	0.0889688	0.18306129	3.0718856	21	4 12.7	18.9
73677 1988 SA_3	12.0	*X*	210.15362	56.16009	3.10034	17.62686	0.0533865	0.08098952	5.2907452	21	6 14.9	19.4
73678 1988 *TY*	15.9	*X*	253.44971	2.14999	14.85245	5.25710	0.2463709	0.26213675	2.4179692	21	5 16.6	19.7
73679 1989 SQ_2	16.1	*X*	47.06557	266.59797	99.25902	2.79563	0.2219878	0.28296492	2.2978110	21	—	—
73680 1989 SP_{10}	15.9	*X*	148.05480	138.07641	177.18476	3.45891	0.2187445	0.28956927	2.2627387	21	—	—

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73681 1989 TL_{18}	16.0	X	63.51501	314.86644	20.05254	11.19504	0.2976904	0.28351710	2.2948266	21	—	—
73682 1990 HU_5	14.4	X	228.66115	126.70709	84.94060	7.73905	0.0522321	0.17401304	3.1774705	21	—	—
73683 1990 RV_3	15.4	X	198.73295	352.85488	346.48411	3.77094	0.2677371	0.24061238	2.5601028	21	2 20.2	19.9
73684 1990 SV	15.4	X	224.19556	24.10170	320.08317	4.44013	0.2982857	0.24295901	2.5435916	21	3 13.1	20.1
73685 1990 SE_9	15.1	X	112.03718	290.25891	61.85611	5.29326	0.1408994	0.23350163	2.6118171	21	—	—
73686 Nussdorf	15.9	X	113.84244	179.69658	270.61261	3.53768	0.2204309	0.23902622	2.5714161	21	4 18.4	19.6
73687 Thomas Aquinas	14.7	X	199.73203	302.85704	10.47978	15.31642	0.1526360	0.23762787	2.5814941	21	1 23.5	19.1
73688 1990 VA_5	15.9	X	45.92019	248.31019	175.16483	5.39510	0.2182104	0.22969734	2.6405764	21	—	—
73689 1991 FK	14.9	X	88.69770	174.51249	358.81353	19.69322	0.0533160	0.36514532	1.9386179	21	6 4.5	17.4
73690 1991 PU_2	13.6	X	83.21704	79.11968	320.87061	15.08685	0.2428229	0.17828484	3.1265096	21	1 22.4	17.5
73691 1991 PB_3	13.5	X	130.24846	32.72142	318.66055	21.16051	0.0565260	0.17970139	3.1100575	21	—	—
73692 Gürtler	15.3	X	270.80271	12.53275	337.75206	8.53183	0.1869578	0.25580513	2.4577057	21	5 3.8	19.1
73693 Dorschner	14.2	X	131.73996	66.00760	348.96010	11.56730	0.1587628	0.18138872	3.0907405	21	3 22.3	19.0
73694 1991 RL_{15}	13.4	X	79.11277	54.05772	356.90538	28.17683	0.1697679	0.17660915	3.1462550	21	1 30.1	17.9
73695 1991 RL_{17}	15.1	X	331.67392	115.53215	229.91405	1.38388	0.2337431	0.26147503	2.4220470	21	8 4.5	16.5
73696 1991 RQ_{19}	15.6	X	344.76205	31.56315	305.66931	3.38333	0.2449899	0.26216574	2.4177910	21	8 28.1	16.8
73697 1991 RT_{29}	14.7	X	285.68007	29.57755	333.15871	9.50853	0.1679062	0.25753290	2.4467010	21	6 14.9	18.1
73698 1991 TE	13.8	X	128.63836	255.73544	61.04776	13.99308	0.2860072	0.17491294	3.1665627	21	—	—
73699 Landaupfalz	15.2	X	106.95948	194.39036	212.95439	7.50721	0.2880557	0.24403973	2.5360765	21	2 21.4	18.7
73700 von Kues	14.3	X	139.76741	166.06819	220.11793	17.93255	0.2329945	0.17938641	3.1136971	21	2 27.5	19.6
73701 Siegfriedbauer	15.5	X	235.50526	103.90385	344.73501	3.28527	0.0877713	0.25922325	2.4360531	21	8 20.9	18.8
73702 1991 TQ_{10}	15.2	X	45.23411	143.34908	3.90427	0.99813	0.0711831	0.18128155	3.0919584	21	3 17.1	18.9
73703 Billings	14.1	X	76.91685	93.92188	52.83701	10.66566	0.0435238	0.18233615	3.0800247	21	4 27.5	18.2
73704 Hladiuk	14.6	X	351.83284	31.79591	50.95194	12.13098	0.0518805	0.16914256	3.2381785	21	—	—
73705 1991 UR_2	14.8	X	268.47893	24.57944	37.05489	8.22008	0.3166903	0.25793553	2.4441542	21	7 25.3	18.4
73706 1991 VC_9	15.7	X	151.05503	116.09948	83.25473	3.48901	0.1188656	0.26046057	2.4283320	21	10 11.5	19.4
73707 1991 VS_{10}	14.9	X	117.79648	348.87901	100.58570	2.62955	0.1478014	0.18063499	3.0993322	21	4 20.2	19.4
73708 1992 DV	15.2	X	257.67938	5.50382	149.40367	7.96126	0.2909782	0.22530691	2.6747696	21	11 13.0	18.9
73709 1992 DV_7	16.4	X	313.19607	122.10229	60.36326	2.83816	0.1780475	0.26556631	2.3971069	21	—	—
73710 1992 EL_{21}	16.4	X	244.12172	149.41211	62.99549	2.92819	0.1629760	0.26169922	2.4206635	21	—	—
73711 1992 EW_{24}	14.9	X	19.52029	27.78098	85.26213	4.00018	0.1590108	0.23344458	2.6122426	21	—	—
73712 1992 RB_4	16.1	X	307.78976	219.14079	166.45417	2.74867	0.1782703	0.27128644	2.3632917	21	8 25.1	18.0
73713 1992 RW_6	14.1	X	359.44934	215.98639	94.37759	3.55431	0.0642740	0.20149986	2.8815062	21	8 11.9	17.7
73714 1992 SW_{14}	14.5	X	6.56607	31.69645	344.96746	25.56034	0.2507485	0.27495205	2.3422401	21	—	—
73715 1992 SC_{21}	15.2	X	336.34853	244.13814	103.41612	2.89770	0.1388766	0.20259767	2.8710874	21	8 23.4	18.4
73716 1992 YT_3	15.6	X	277.12540	305.64535	118.66499	5.06112	0.1907598	0.26491006	2.4010641	21	8 28.6	18.3
73717 1993 BV_4	15.5	X	8.19674	0.99562	132.27300	6.46037	0.1425561	0.27816301	2.3241802	21	—	—
73718 1993 BL_5	14.6	X	22.76385	132.57839	352.41705	1.19767	0.1401080	0.17482996	3.1675645	21	1 16.1	18.1
73719 1993 FT	15.8	X	250.07766	268.43983	3.70229	2.76338	0.0726720	0.24121491	2.5558378	21	1 18.8	19.4
73720 1993 FR_9	15.1	X	193.23678	167.41651	158.37497	9.53461	0.1750833	0.23999030	2.5645249	21	1 27.0	19.3
73721 1993 FZ_{14}	14.7	X	298.66629	102.78189	139.57810	5.84576	0.1103591	0.17209776	3.2010016	21	2 12.8	19.3
73722 1993 FK_{18}	15.5	X	304.49702	174.48396	69.69230	4.99575	0.1743673	0.24272193	2.5452476	21	2 2.4	19.1
73723 1993 FJ_{20}	16.2	X	235.45916	287.51139	244.16751	1.58999	0.1364711	0.26614912	2.3936061	21	12 4.3	19.0
73724 1993 FA_{25}	15.5	X	282.53612	34.08675	192.68847	8.64279	0.1134393	0.23942910	2.5685307	21	—	—
73725 1993 FC_{27}	15.6	X	275.53650	299.36704	321.88972	2.62558	0.1552576	0.24124215	2.5556454	21	1 24.9	19.5
73726 1993 FD_{29}	15.3	X	183.38187	344.77654	325.33973	5.75307	0.1112003	0.23787668	2.5796937	21	—	—
73727 1993 FT_{39}	16.2	X	204.22800	127.40541	16.01171	4.59418	0.1243691	0.26040724	2.4286635	21	9 23.2	19.6
73728 1993 FP_{40}	15.9	X	252.23427	59.11330	45.36711	2.65494	0.1743013	0.26196322	2.4190370	21	9 21.5	19.1
73729 1993 FH_{41}	15.5	X	179.53483	139.31354	39.43768	2.61309	0.1556349	0.26096638	2.4251932	21	10 11.3	19.3
73730 1993 FL_{46}	15.8	X	232.70191	126.84178	359.67056	2.70076	0.0913554	0.26178684	2.4201234	21	10 6.9	18.9
73731 1993 FS_{47}	15.1	X	272.00152	78.67819	8.94417	6.53709	0.0741978	0.26163130	2.4210825	21	10 10.1	18.0
73732 1993 FH_{60}	16.1	X	210.98220	65.41161	60.27650	2.15038	0.1192937	0.25939525	2.4349761	21	9 7.9	19.5
73733 1993 FD_{83}	15.2	X	102.45670	230.17547	90.17618	4.19430	0.2076653	0.22973735	2.6402698	21	—	—
73734 1993 OT_{12}	14.3	X	10.07205	113.90582	291.23825	29.53670	0.2818472	0.22035163	2.7147210	21	—	—
73735 1993 QE_3	16.6	X	315.27930	197.53298	139.79398	3.18381	0.2382119	0.31400092	2.1437893	21	6 10.7	18.3
73736 1993 QT_6	15.5	X	341.23006	19.30257	356.43280	4.23105	0.0896264	0.21312743	2.7757253	21	10 10.9	18.8
73737 1993 RH_4	15.1	X	216.73252	277.23713	351.01709	5.02576	0.0482138	0.22539693	2.6740573	21	—	—
73738 1993 RK_6	14.5	X	216.09794	287.16299	354.79157	14.35568	0.0748981	0.22670435	2.6637665	21	—	—
73739 1993 SV_5	16.3	X	196.26128	203.15881	173.98061	1.83632	0.1556007	0.30414366	2.1898626	21	3 27.7	19.3
73740 1993 TZ_{14}	14.6	X	192.40977	285.36753	21.03211	14.92131	0.1227917	0.22643960	2.6658423	21	1 5.8	19.0
73741 1993 TY_{15}	15.0	X	236.70507	231.79055	23.82439	13.18571	0.1452566	0.22608606	2.6686208	21	—	—
73742 1993 TB_{19}	15.7	X	14.93444	309.11790	59.03316	3.09453	0.1527317	0.21404148	2.7678173	21	12 1.9	19.0
73743 1993 TS_{19}	16.0	X	194.14439	334.05112	23.00534	6.59104	0.1107998	0.30175503	2.2014038	21	2 28.3	19.0
73744 1993 TJ_{22}	15.0	X	293.31879	251.94498	39.60854	8.24941	0.1837982	0.19989443	2.8969139	21	3 27.2	19.1
73745 1993 TH_{23}	16.2	X	59.38484	30.79009	95.23132	2.33078	0.0474230	0.30018322	2.2090817	21	2 14.2	18.5
73746 1993 TY_{24}	16.7	X	249.29623	216.25599	179.06976	2.94853	0.1049140	0.31017221	2.1613949	21	6 21.7	19.4
73747 1993 TX_{25}	16.5	X	106.75440	254.97571	173.29937	6.09677	0.1026913	0.29878850	2.2159509	21	2 11.0	18.9
73748 1993 TF_{26}	15.6	X	300.09703	291.14261	123.82571	3.61777	0.1709213	0.20940556	2.8085182	21	9 19.4	18.8
73749 1993 TG_{37}	15.6	X	256.26615	268.58855	76.04221	4.79341	0.2198848	0.30727183	2.1749748	21	4 10.0	18.9
73750 1993 TT_{41}	15.3	X	295.53542	307.10300	174.35774	6.81938	0.2547187	0.21432210	2.7654008	21	12 1.4	18.1
73751 1993 UK_8	15.2	X	168.30547	210.92247	126.48870	5.25097	0.1311943	0.18978786	2.9988663	21	1 24.0	19.9
73752 1994 AD_1	14.2	X	177.01815	103.02915	295.24086	13.57282	0.1133817	0.22745013	2.6579405	21	4 2.6	18.6
73753 1994 AQ_5	15.2	X	318.72230	200.98095	15.75903	0.87238	0.1008616	0.18385521	3.0630359	21	2 5.9	19.2
73754 1994 AG_{12}	16.9	X	344.62697	133.16633	109.80471	5.52019	0.1493492	0.29655423	2.2270671	21	3 27.2	18.9
73755 1994 CX	16.6	X	354.04168	309.28059	172.91828	4.86284	0.1901480	0.28600103	2.2815202	21	—	—
73756 1994 CS_9	14.2	X	244.82048	117.94508	101.05464	2.89170	0.1602195	0.17311383	3.1884642	21	—	—
73757 1994 CH_{10}	13.8	X	0.36227	28.89036	21.74910	5.13158	0.1107583	0.17114096	3.2129212	21	12 18.2	17.9
73758 1994 CB_{11}	14.2	X	22.52215	160.45534	347.80149	9.32712	0.0346210	0.18146840	3.0898356	21	2 15.6	18.3
73759 1994 CQ_{15}	14.6	X	334.42345	188.81915	1.49221	9.10405	0.0496670	0.18022833	3.1039926	21	2 4.2	18.9
73760 1994 CT_{17}	14.7	X	92.97595	179.02049	47.46067	3.20778	0.0388103	0.19504888	2.9446956	21	8 29.1	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73761 1994 GP_5	15.9	X	51.52553	53.02154	197.33040	5.88121	0.0722827	0.26279855	2.4139081	21	8 10.2	18.8
73762 1994 LS	14.5	X	198.29958	74.56688	123.17169	23.90391	0.2135097	0.27164325	2.3612217	21	11 26.2	18.7
73763 1994 LQ_1	16.6	X	165.00606	284.78216	195.79575	20.67203	0.0885567	0.36838378	1.9272396	21	7 9.0	19.5
73764 1994 NB_2	15.7	X	337.39555	90.21724	218.55799	2.37278	0.2385843	0.25415010	2.4683639	21	6 15.7	17.4
73765 1994 PA_9	15.6	X	121.02755	67.92532	332.83613	13.89789	0.1196884	0.23807863	2.5782346	21	2 11.4	19.0
73766 1994 PH_9	15.5	X	232.34706	112.46287	202.85187	1.29814	0.1319929	0.24234528	2.5478841	21	2 18.7	19.4
73767 Bibiandersson	16.2	X	204.55130	323.85965	150.61872	24.07010	0.0673139	0.36480316	1.9398299	21	8 26.8	18.0
73768 1994 PO_{10}	15.3	X	178.15328	10.37880	332.76147	4.09484	0.2160962	0.23872921	2.5735484	21	2 7.5	19.4
73769 Delphi	14.8	X	123.97115	112.80927	247.04072	1.89876	0.2612032	0.12404292	3.9818790	21	1 29.8	20.9
73770 1994 PG_{14}	15.2	X	121.94091	106.67805	331.46489	14.52754	0.0837832	0.24195170	2.5506465	21	3 20.1	18.8
73771 1994 PR_{14}	16.0	X	136.49856	101.21839	181.21012	4.18640	0.0785967	0.22929976	2.6436279	21	12 31.9	20.1
73772 1994 PM_{15}	16.0	X	178.73688	22.77978	329.17884	3.45991	0.2260909	0.23919162	2.5702305	21	2 18.4	20.2
73773 1994 PZ_{18}	14.4	X	35.19365	161.80124	334.27282	19.00393	0.1186236	0.23890000	2.5723217	21	2 7.8	17.1
73774 1994 PH_{19}	15.0	X	147.01305	238.01033	298.67243	1.31206	0.1241078	0.25547551	2.4598193	21	9 5.6	18.6
73775 1994 PB_{24}	15.3	X	209.05021	40.30250	331.80130	9.01824	0.1694719	0.24456248	2.5324613	21	4 3.5	19.6
73776 1994 PJ_{27}	15.5	X	113.72459	165.24535	97.13786	3.16216	0.1937667	0.26343518	2.4100175	21	11 25.3	19.3
73777 1994 PD_{34}	15.9	X	270.99604	93.47288	207.99788	1.43235	0.1214024	0.24560076	2.5253190	21	3 13.3	19.5
73778 1994 PP_{37}	15.4	X	75.83899	331.06912	286.68262	1.18840	0.1425128	0.25867918	2.4394676	21	10 5.9	18.6
73779 1994 RM_2	16.0	X	231.86406	34.89356	302.91421	5.96391	0.2474168	0.24440260	2.5335657	21	3 11.1	20.5
73780 1994 RR_{22}	15.1	X	112.83759	209.84084	152.04364	3.79973	0.1901457	0.23357308	2.6112845	21	—	—
73781 1994 TW_2	14.8	X	102.65448	342.90134	11.31123	13.04705	0.2712782	0.22983840	2.6394959	21	—	—
73782 Yanagida	14.7	X	108.20041	353.68566	38.64750	15.81117	0.3084767	0.23282049	2.6169088	21	2 19.5	18.6
73783 1994 UK_6	15.0	X	69.99107	247.11635	17.26229	9.36565	0.2235814	0.25487401	2.4636878	21	10 17.9	18.5
73784 1994 VP_2	15.0	X	344.28899	13.98127	40.36871	15.45899	0.1854950	0.22092758	2.7100008	21	12 14.1	17.9
73785 1994 WJ_1	15.3	X	93.37216	19.58727	65.00252	15.26098	0.2200132	0.23293983	2.6160149	21	3 27.7	19.0
73786 1994 WX_2	15.1	X	117.01358	348.63916	69.58366	15.37340	0.2016436	0.23334622	2.6129767	21	3 20.5	19.1
73787 1994 WL_4	15.7	X	119.27198	137.98341	177.83697	7.26790	0.0703698	0.22487159	2.6782204	21	—	—
73788 1995 AB_1	13.9	X	113.72170	275.98247	121.53995	15.66545	0.1231028	0.22735619	2.6586726	21	1 30.2	17.3
73789 1995 BO_6	14.7	X	20.89951	258.60937	135.72674	13.58359	0.1816311	0.21730136	2.7400664	21	—	—
73790 1995 BM_{12}	15.3	X	162.66171	162.24474	62.50885	1.17958	0.0146080	0.21275589	2.7789559	21	11 18.6	19.2
73791 1995 CO_6	15.4	X	269.80569	337.46224	162.59123	2.96486	0.0425749	0.21491267	2.7603323	21	12 12.6	18.9
73792 1995 DB_6	15.6	X	265.63850	5.07763	153.80409	3.30443	0.1984451	0.21434174	2.7652318	21	12 8.6	19.1
73793 1995 FK_1	14.8	X	195.51434	283.80070	3.92663	10.87842	0.1050337	0.18112729	3.0937137	21	—	—
73794 1995 FE_5	14.8	X	312.05144	231.54191	59.91593	3.00262	0.0416973	0.19451986	2.9500322	21	5 9.1	18.7
73795 1995 FH_8	12.1	X	106.29122	345.71017	171.76014	22.48945	0.0628799	0.08371500	5.1752799	21	6 21.5	19.3
73796 1995 FL_{21}	14.9	X	277.56862	298.34646	29.31431	11.11843	0.1076689	0.19247533	2.9708861	21	4 29.9	19.1
73797 1995 KD_4	14.9	X	52.68353	151.49981	51.94395	11.84705	0.0617141	0.19201397	2.9756430	21	6 5.7	18.8
73798 1995 MW_2	14.8	X	169.05918	261.20633	112.32494	10.46209	0.0835896	0.18219735	3.0815887	21	3 9.7	19.6
73799 1995 MO_6	14.7	X	19.96939	338.62441	173.68615	9.22476	0.0416560	0.18206788	3.0830495	21	2 13.6	19.0
73800 1995 ML_7	14.7	X	193.88671	281.18597	103.55651	11.98004	0.0698518	0.18638554	3.0352507	21	4 19.3	19.5
73801 1995 QA_4	15.7	X	112.90158	269.50926	335.73150	6.96527	0.2402982	0.26984793	2.3716831	21	11 3.5	19.7
73802 1995 QC_4	15.4	X	4.76279	355.85646	338.66230	8.82364	0.1532643	0.26557507	2.3970542	21	10 4.6	17.7
73803 1995 QT_5	16.0	X	344.68909	288.35717	221.51068	5.00080	0.2449523	0.28543998	2.2845089	21	—	—
73804 1995 RG	16.5	X	284.61680	249.77851	89.99814	24.12047	0.0863484	0.37157373	1.9161936	21	5 25.3	18.7
73805 1995 SC_8	16.5	X	210.79095	183.19162	347.28380	2.52685	0.1097439	0.27061572	2.3671950	21	11 5.9	19.7
73806 1995 SL_{21}	16.2	X	342.60854	80.09291	349.35453	7.41468	0.1476030	0.27286635	2.3541605	21	—	—
73807 1995 SZ_{29}	15.6	X	107.36585	326.54942	30.91251	6.43669	0.3323052	0.24001053	2.5643808	21	—	—
73808 1995 SL_{32}	16.4	X	196.50830	236.51658	292.23368	0.50918	0.1243871	0.26993568	2.3711691	21	10 17.8	19.8
73809 1995 SS_{48}	16.4	X	339.77368	313.58083	48.40590	2.55782	0.2433291	0.26521763	2.3992074	21	10 1.5	17.7
73810 1995 UW_2	15.2	X	265.13496	131.93161	260.27757	1.49367	0.1976420	0.25858711	2.4400467	21	6 25.1	18.3
73811 1995 UN_{15}	15.6	X	36.91198	214.36587	64.61439	7.93669	0.2251534	0.26161240	2.4211991	21	9 30.3	18.3
73812 1995 US_{18}	16.3	X	183.48318	291.56057	202.02284	7.66752	0.1550968	0.25998336	2.4313026	21	8 14.9	20.2
73813 1995 UZ_{57}	16.9	X	248.57000	183.85143	330.15357	0.84269	0.1238434	0.26941734	2.3742094	21	11 30.8	19.8
73814 1995 VO_8	16.2	X	55.15088	209.08272	56.31947	6.96209	0.0980674	0.25962513	2.4335385	21	9 16.6	19.2
73815 1995 VY_{10}	16.0	X	270.36239	11.83143	105.47123	3.58602	0.1240787	0.26642431	2.3919576	21	11 13.4	18.5
73816 1995 VJ_{11}	16.5	X	304.03830	282.62253	124.35081	3.15597	0.1617055	0.26329972	2.4108441	21	9 24.1	18.6
73817 1995 VN_{16}	16.6	X	204.79736	229.52454	45.43020	6.54390	0.3005509	0.24082635	2.5585861	21	—	—
73818 1995 WP_1	14.5	X	173.22291	167.54741	327.03295	4.98918	0.1812440	0.25442547	2.4665826	21	8 9.1	18.5
73819 Isaootuki	15.5	X	263.87585	99.85550	32.51240	3.01720	0.1461503	0.26501670	2.4004199	21	11 18.9	18.2
73820 1995 WR_8	15.5	X	236.96889	133.40967	270.79869	11.79353	0.2515416	0.25468178	2.4649274	21	6 6.8	19.5
73821 1995 WY_{15}	15.8	X	255.45005	288.48374	213.49263	4.05731	0.1692558	0.26740286	2.3861186	21	11 17.1	18.5
73822 1995 WM_{31}	15.6	X	50.63310	131.38773	192.61957	2.40812	0.1308531	0.22065503	2.7122319	21	11 23.7	19.1
73823 1995 WQ_{40}	16.4	X	55.87693	215.43722	5.74249	1.48548	0.0527782	0.25656214	2.4528689	21	7 4.2	19.4
73824 1995 YK_1	15.2	X	76.71164	329.50963	102.43333	6.03796	0.2462563	0.23805978	2.5783707	21	2 6.6	17.6
73825 1995 YQ_1	15.6	X	61.95697	327.20494	102.18823	7.23095	0.2791815	0.23664934	2.5886054	21	1 3.8	17.3
73826 1995 YX_4	16.3	X	99.78347	327.98719	126.81898	1.52149	0.0685727	0.24510887	2.5286964	21	3 16.3	19.5
73827 Nakanohoshinokai	16.2	X	265.12396	91.62078	86.80902	3.18052	0.1340389	0.22672325	2.6636185	21	—	—
73828 1996 AD_6	15.7	X	77.82784	358.14069	72.13987	3.33167	0.1039423	0.23604142	2.5930481	21	1 16.9	18.5
73829 1996 AT_{12}	15.1	X	41.45491	223.53100	159.79263	11.81269	0.1864188	0.22712245	2.6604964	21	—	—
73830 1996 AU_{13}	15.6	X	70.61744	332.67191	25.80739	4.93528	0.1136240	0.22548465	2.6733638	21	—	—
73831 1996 BC_5	15.1	X	327.39909	279.77384	99.57694	7.20183	0.0553669	0.21588795	2.7520128	21	9 30.3	18.6
73832 1996 BE_{12}	15.6	X	159.88395	344.58455	88.40828	4.49684	0.1090665	0.24371661	2.5383176	21	5 6.3	19.3
73833 1996 CP_2	14.5	X	182.25391	170.12880	32.51665	9.55202	0.2073668	0.21680996	2.7442051	21	11 3.9	19.0
73834 1996 EE_9	15.6	X	122.48992	331.35412	344.50135	12.35668	0.1316288	0.22410460	2.6843277	21	—	—
73835 1996 EN_{15}	15.6	X	202.56833	68.30264	155.83169	5.47422	0.1063044	0.22236445	2.6983140	21	12 27.5	19.6
73836 1996 FJ_7	15.9	X	317.22930	227.33866	129.86214	1.39764	0.0798124	0.20984793	2.8045698	21	8 8.6	19.3
73837 1996 FM_{12}	15.2	X	52.44913	45.40958	356.77977	4.87874	0.1640028	0.22838474	2.6506842	21	—	—
73838 1996 GR_5	15.4	X	130.43116	347.90440	33.57991	13.77567	0.0711985	0.22955473	2.6416699	21	1 27.2	19.3
73839 1996 GN_8	14.8	X	210.10346	237.87261	37.51373	12.88581	0.1721886	0.22510654	2.6763566	21	—	—
73840 1996 GO_{13}	16.1	X	44.73359	295.36172	146.36506	4.77257	0.2799777	0.23041884	2.6350613	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73841 1996 HY_{17}	14.7	X	147.37798	186.78958	147.08064	2.32136	0.1964364	0.18147247	3.0897894	21	1 7.2	19.5
73842 1996 HO_{22}	15.0	X	247.16138	313.05427	209.92687	9.32558	0.1261405	0.21763297	2.7372823	21	11 30.9	18.8
73843 1996 JW_9	15.9	X	266.29406	245.68758	146.25257	2.65832	0.0971145	0.20287097	2.8685083	21	7 10.5	19.9
73844 1996 PF_4	13.2	X	70.38756	105.32986	335.22008	21.12895	0.1172315	0.17639918	3.1487512	21	2 7.8	17.3
73845 1996 RF_3	14.2	X	137.30475	234.06794	162.16713	6.57306	0.1755328	0.17927625	3.1149725	21	3 9.6	18.9
73846 1996 RB_{12}	17.0	X	48.68056	90.15742	94.05287	2.12147	0.1200216	0.30582281	2.1818395	21	5 2.0	18.7
73847 1996 RA_{19}	14.6	X	63.56771	40.00568	358.16447	4.77315	0.1297659	0.17005801	3.2265469	21	—	—
73848 1996 SC_1	15.7	X	220.89425	69.96678	180.89622	1.99278	0.1551085	0.29163742	2.2520285	21	—	—
73849 1996 TF_{18}	16.5	X	274.18110	151.33950	25.69115	5.99386	0.0913293	0.28459349	2.2890366	21	—	—
73850 1996 TF_{33}	14.3	X	104.72083	149.44741	245.38390	5.57230	0.1401329	0.17413977	3.1759287	21	1 26.5	18.7
73851 1996 TK_{62}	14.8	X	99.97351	353.61769	36.39685	1.03328	0.1584317	0.17335518	3.1855041	21	1 19.5	19.1
73852 1996 VB_4	15.9	X	38.25444	50.32387	37.56635	2.97078	0.1333080	0.28683941	2.2770724	21	—	—
73853 1996 VV_{18}	16.1	X	194.03088	231.81122	29.51893	2.27705	0.1176757	0.28564250	2.2834289	21	—	—
73854 1996 VW_{23}	16.3	X	120.13326	274.28334	47.29286	5.45202	0.1858755	0.28594115	2.2818387	21	—	—
73855 1996 VE_{30}	15.4	X	84.17797	335.42417	86.89208	3.18891	0.1348456	0.29039338	2.2584557	21	1 3.2	17.4
73856 1996 WF	16.3	X	206.96212	18.25911	27.37664	1.70071	0.1500365	0.30307169	2.1950233	21	5 14.9	19.6
73857 Hitaneichi	15.6	X	139.92527	334.30249	46.89463	7.84672	0.2460579	0.29304504	2.2448111	21	2 18.3	18.8
73858 1996 XL_3	15.8	X	33.00966	184.22142	338.40298	5.41208	0.0705681	0.29519724	2.2338869	21	2 25.3	17.6
73859 1996 XK_5	15.5	X	165.92681	189.89260	281.61107	13.22320	0.1267385	0.26073048	2.4266558	21	7 1.9	19.2
73860 1996 XR_5	16.1	X	284.56280	344.60444	56.53032	6.16797	0.2296709	0.26872306	2.3782970	21	7 31.0	18.9
73861 1996 XN_{19}	15.9	X	75.52402	42.51322	80.45455	3.40586	0.0746069	0.29211348	2.2495811	21	3 13.7	18.2
73862 Mochigasechugaku	16.0	X	242.10217	16.33378	73.55481	7.31804	0.0769349	0.26654583	2.3912306	21	9 6.0	19.2
73863 1996 XH_{33}	15.3	X	94.18079	326.10440	91.37648	7.28040	0.1557457	0.28643201	2.2792310	21	1 19.4	17.4
73864 1996 YS_2	15.8	X	3.58151	66.55094	58.48257	3.45038	0.1748485	0.28347375	2.2950606	21	—	—
73865 1997 AW	15.8	X	191.38251	203.50768	2.37167	1.73013	0.3680243	0.26886362	2.3774680	21	11 11.7	20.3
73866 1997 AB_1	15.7	X	51.91576	311.58347	84.72941	4.09142	0.2559116	0.28190727	2.3035547	21	—	—
73867 1997 AH_1	15.2	X	305.30743	143.36315	99.89196	8.22023	0.1477200	0.24766779	2.5112486	21	2 4.9	18.7
73868 1997 AD_6	15.9	X	221.65215	158.59098	107.25220	7.79669	0.1714771	0.28246689	2.3005112	21	—	—
73869 1997 AM_{11}	16.5	X	6.90211	150.45811	250.48984	1.28408	0.2027214	0.27561908	2.3384596	21	—	—
73870 1997 AC_{16}	16.5	X	45.57948	304.63591	119.49167	5.94713	0.1201387	0.28235350	2.3011271	21	—	—
73871 1997 AP_{16}	16.2	X	214.22259	188.00821	106.55298	5.00038	0.1306322	0.28422158	2.2910330	21	—	—
73872 Stefanoragazzi	16.3	X	265.56266	52.68281	97.18839	10.30748	0.1393921	0.27432309	2.3458188	21	12 20.4	18.8
73873 1997 BF_1	15.8	X	265.99855	216.36971	310.92625	5.18410	0.2052423	0.27490725	2.3424946	21	—	—
73874 1997 BX_1	16.7	X	290.39878	78.95530	48.84807	3.22615	0.1881341	0.27424276	2.3462769	21	12 28.7	18.5
73875 1997 BS_4	15.9	X	308.14253	207.17980	171.91178	2.48821	0.1724766	0.26554758	2.3972196	21	8 15.6	18.0
73876 1997 CT	15.1	X	261.83842	248.18127	8.34076	5.66076	0.1561505	0.24137852	2.5546827	21	1 6.5	19.1
73877 1997 CS_6	16.2	X	268.37012	340.64788	133.99466	2.93966	0.1596687	0.27053278	2.3676788	21	11 1.6	18.9
73878 1997 CX_6	15.8	X	101.22492	108.13701	316.93369	6.15509	0.1042962	0.28735624	2.2743412	21	2 2.2	18.2
73879 1997 CT_7	15.8	X	327.49259	1.97591	253.17342	2.30551	0.0695640	0.25122489	2.4874877	21	3 31.7	18.8
73880 1997 CC_{21}	15.7	X	307.32850	243.62549	79.05984	3.47880	0.2026831	0.25777695	2.4451565	21	5 15.3	18.6
73881 1997 CD_{22}	15.6	X	272.71777	37.05588	124.52976	3.05654	0.1404280	0.27368352	2.3494720	21	—	—
73882 1997 CZ_{25}	16.4	X	247.24272	38.59709	85.85311	3.47944	0.1271956	0.26866411	2.3786449	21	10 20.7	19.4
73883 Asteraude	15.6	X	293.07160	101.73057	2.08910	8.31664	0.1466177	0.27124348	2.3635412	21	11 28.1	18.0
73884 1997 EG	15.0	X	64.14709	134.01180	7.52230	7.16408	0.0908132	0.28845723	2.2685504	21	3 23.2	17.2
73885 Kalaymoodley	15.3	X	337.74464	66.74593	18.18841	23.52613	0.2375704	0.27499729	2.3419832	21	—	—
73886 1997 EY_5	14.0	X	32.80275	174.03554	11.75739	2.56736	0.1243434	0.12563983	3.9480668	21	4 26.5	18.8
73887 1997 ED_7	15.5	X	252.11016	140.14281	257.41976	5.60823	0.1241407	0.25924596	2.4359108	21	6 26.4	18.7
73888 1997 EK_{12}	14.8	X	318.97133	60.67339	290.12551	8.51155	0.2762478	0.26119178	2.4237978	21	7 5.2	16.5
73889 1997 EN_{12}	15.1	X	99.35929	6.04419	308.69660	12.47097	0.1690912	0.23063437	2.6334194	21	—	—
73890 1997 EK_{16}	15.9	X	284.76270	228.16540	184.47248	1.87188	0.1963876	0.26297445	2.4128316	21	8 20.3	18.6
73891 Pietromennea	15.6	X	345.38091	225.72434	357.39652	2.73511	0.1954627	0.24525256	2.5277087	21	2 27.2	18.0
73892 1997 ER_{25}	15.6	X	289.12325	187.90911	42.01368	6.14907	0.0179441	0.24198962	2.5503800	21	1 17.7	19.0
73893 1997 ET_{33}	16.0	X	197.10666	116.79415	97.88191	4.33996	0.1265798	0.27149965	2.3620543	21	12 16.8	19.2
73894 1997 EL_{34}	16.0	X	255.96215	80.18534	31.97631	2.63589	0.1564147	0.26863840	2.3787966	21	10 9.9	18.9
73895 1997 EE_{35}	16.0	X	327.69368	346.90102	136.54866	6.80590	0.1468085	0.27782564	2.3260614	21	—	—
73896 1997 EG_{35}	15.9	X	287.97407	83.04840	112.64091	1.94920	0.1691005	0.27926599	2.3180565	21	—	—
73897 1997 EN_{39}	15.6	X	90.01448	59.62159	323.77626	6.38900	0.1319775	0.28100477	2.3084843	21	—	—
73898 1997 ES_{42}	15.6	X	326.34718	11.43657	200.37692	2.92696	0.0977887	0.24466803	2.5317330	21	1 27.7	18.7
73899 1997 EV_{49}	16.3	X	143.78789	257.57902	274.90798	0.53119	0.1303192	0.25870672	2.4392945	21	8 28.4	19.9
73900 1997 FD	16.1	X	250.12063	51.06275	160.16977	5.61354	0.1435435	0.27601267	2.3362360	21	—	—
73901 1997 FD_5	15.8	X	209.45949	311.54303	185.92166	9.77134	0.1973027	0.26295395	2.4129570	21	9 13.1	19.5
73902 1997 GX_5	16.1	X	175.19755	67.94640	103.73700	2.12760	0.1206754	0.26024247	2.4296885	21	9 29.9	19.7
73903 1997 GZ_9	16.0	X	239.59486	82.06898	20.94081	5.48518	0.1702605	0.26248525	2.4158286	21	9 5.5	19.3
73904 1997 GM_{10}	15.7	X	288.49897	32.85451	27.00828	7.76555	0.1144335	0.26226775	2.4171640	21	9 23.3	18.3
73905 1997 GB_{12}	16.6	X	247.94353	305.22829	204.03519	1.72354	0.1623637	0.26838134	2.3803154	21	11 17.6	19.4
73906 1997 GE_{15}	16.0	X	196.51218	189.14685	333.75547	1.54561	0.1537126	0.26350119	2.4096150	21	10 7.0	19.6
73907 1997 GG_{15}	16.2	X	259.72541	139.57061	355.09541	1.90438	0.1241917	0.26784133	2.3835137	21	11 19.8	19.0
73908 1997 GS_{18}	15.1	X	348.21826	274.92049	18.64320	12.63683	0.1999034	0.21017438	2.8016650	21	6 23.2	18.1
73909 1997 GW_{18}	16.0	X	241.46178	34.11775	205.50133	4.29355	0.1636042	0.23409331	2.6074144	21	—	—
73910 1997 GU_{20}	15.4	X	128.42586	25.10745	221.32732	3.57490	0.2173585	0.26231830	2.4168535	21	11 18.7	19.5
73911 1997 GD_{22}	16.0	X	197.78873	130.42502	53.64312	3.23329	0.1201711	0.26399950	2.4065819	21	11 8.0	19.4
73912 1997 GV_{28}	16.4	X	293.59558	9.55542	7.94900	0.81207	0.2040652	0.25850834	2.4405423	21	7 12.6	19.2
73913 1997 GZ_{35}	15.6	X	185.81869	181.55837	60.26748	7.35554	0.0912862	0.26760125	2.3849391	21	—	—
73914 1997 GN_{40}	15.2	X	247.97582	107.92971	49.44953	7.56997	0.0532253	0.26636721	2.3922995	21	12 14.4	18.1
73915 1997 GD_{43}	16.2	X	245.27864	236.62442	275.12651	1.24811	0.1383611	0.26808710	2.3820568	21	11 20.6	19.2
73916 1997 HD_1	16.5	X	193.43544	243.30973	211.98553	4.34212	0.1492493	0.25666405	2.4522196	21	7 7.5	20.3
73917 1997 HS_1	15.1	X	88.14224	135.59060	204.63750	0.86144	0.1550201	0.22863113	2.6487795	21	—	—
73918 1997 HA_{10}	14.9	X	41.89239	251.38057	81.60175	3.78062	0.1904178	0.21915150	2.7246230	21	12 2.1	18.3
73919 1997 HV_{10}	15.6	X	47.07573	267.98159	223.84789	11.79228	0.1298478	0.24148067	2.5539622	21	2 13.7	18.6
73920 1997 HE_{12}	14.9	X	237.17674	195.91876	46.46664	13.66232	0.0985123	0.23272308	2.6176390	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
73921 1997 LT_4	15.2	X	353.06680	283.23243	113.14797	6.40253	0.0692313	0.22103018	2.7091621	21	11 28.9	18.6
73922 1997 LZ_{12}	15.9	X	270.19229	128.40994	90.33903	3.95710	0.0677400	0.23305356	2.6151638	21	—	—
73923 1997 MU_1	15.0	X	29.92070	97.84820	113.66574	14.00106	0.2172326	0.24364283	2.5388300	21	5 27.9	17.3
73924 1997 MN_3	15.8	X	288.44992	49.75371	272.87790	16.93273	0.0712806	0.36555517	1.9371686	21	4 22.3	18.3
73925 1997 MS_6	15.4	X	14.60534	284.24114	94.23976	11.69102	0.0595381	0.22096969	2.7096566	21	12 5.6	18.8
73926 1997 ML_9	14.8	X	183.09633	192.77674	188.12572	11.01826	0.1106743	0.19258551	2.9697529	21	3 28.9	19.3
73927 1997 MK_{11}	15.1	X	299.76109	184.97095	96.70142	9.12641	0.1359586	0.23964876	2.5669609	21	3 26.4	18.7
73928 1997 NK_2	15.4	X	245.76423	270.95988	210.30979	10.56428	0.1432188	0.21164932	2.7886336	21	10 2.0	19.5
73929 1997 OK_1	15.7	X	181.46230	337.52396	35.02810	1.76134	0.3717085	0.18919578	3.0051196	21	3 24.8	21.5
73930 1997 PV	15.0	X	43.20430	12.04594	306.08803	5.41231	0.0834585	0.21089145	2.7953105	21	10 25.8	18.7
73931 1997 PK_3	15.0	X	160.02466	202.39307	127.83551	2.45399	0.0888547	0.18190454	3.0848948	21	1 5.3	19.7
73932 1997 QD_5	13.4	X	146.89554	336.63897	311.96894	21.71887	0.1338347	0.18014446	3.1049560	21	—	—
73933 1997 RW_1	14.4	X	57.14067	52.48834	23.73672	10.15947	0.2130618	0.17697363	3.1419336	21	1 21.6	18.0
73934 1997 SO_2	15.2	X	189.01691	266.29471	52.34540	2.22461	0.2197949	0.18422664	3.0589175	21	1 25.7	20.5
73935 1997 SH_3	14.7	X	121.90652	21.47535	348.00036	10.31432	0.0783361	0.17944490	3.1130204	21	1 11.0	19.2
73936 Takeyamamoto	14.2	X	81.51799	141.50468	208.14047	9.62248	0.1975546	0.17338679	3.1851169	21	—	—
73937 1997 SV_6	16.3	X	258.95780	57.44506	6.62688	0.32048	0.0861234	0.20262682	2.8708121	21	8 14.4	20.1
73938 1997 SH_7	15.3	X	115.75149	76.81233	355.20722	9.81199	0.0473968	0.18798838	3.0179732	21	3 12.6	19.5
73939 1997 SG_{10}	15.6	X	358.11466	57.25587	309.72725	3.46910	0.0980656	0.20971450	2.8057593	21	10 25.6	18.9
73940 1997 SX_{10}	15.4	X	146.76986	308.65300	357.78627	4.88453	0.2672974	0.17762202	3.1342828	21	—	—
73941 1997 SN_{11}	15.5	X	101.28117	354.18090	54.45191	0.23938	0.2007192	0.18262070	3.0768244	21	2 16.6	19.6
73942 1997 SN_{12}	14.7	X	96.16416	106.48294	354.52908	8.02300	0.1302515	0.18508737	3.0494266	21	4 3.5	19.0
73943 1997 SE_{15}	14.8	X	44.75402	191.88203	247.55108	3.91921	0.1372870	0.17695483	3.1421562	21	—	—
73944 1997 SG_{24}	14.6	X	194.29206	122.90345	217.30105	8.81309	0.0590565	0.18425459	3.0586082	21	2 16.2	19.3
73945 1997 SS_{28}	14.3	X	102.21546	214.40895	175.33067	12.90842	0.2437758	0.18069726	3.0986201	21	1 30.1	18.8
73946 1997 SD_{32}	15.5	X	348.80718	158.73490	337.51892	4.15420	0.0191748	0.18008427	3.1056478	21	—	—
73947 1997 TV_3	14.5	X	98.40857	319.15494	12.26317	5.53931	0.1575714	0.17279281	3.1924120	21	—	—
73948 1997 TK_{12}	14.9	X	97.03695	121.98614	313.98395	1.44165	0.2240675	0.18151903	3.0892610	21	3 19.5	19.1
73949 1997 TT_{12}	14.8	X	135.60914	59.20408	1.29785	1.98581	0.2005032	0.18477591	3.0528524	21	4 6.9	19.5
73950 1997 TE_{13}	15.3	X	298.33307	193.91027	192.28890	1.64116	0.0771172	0.20329958	2.8644751	21	8 18.8	19.0
73951 1997 UK_8	13.9	X	351.50798	1.72697	71.26215	2.28003	0.1919480	0.17009487	3.2260807	21	—	—
73952 1997 UQ_{17}	14.0	X	142.19449	339.70124	57.23102	11.81461	0.0895105	0.18239646	3.0793457	21	3 12.4	18.7
73953 1997 UN_{20}	15.0	X	20.72877	133.87559	325.09884	6.74633	0.1685552	0.17481576	3.1677361	21	—	—
73954 1997 UR_{20}	14.9	X	104.21630	141.93760	261.19570	3.79000	0.1539996	0.18035397	3.1025509	21	2 5.9	19.1
73955 Asaka	14.5	X	12.74695	110.34384	9.70562	12.50262	0.1588317	0.17724232	3.1387575	21	—	—
73956 1997 VQ_6	14.5	X	131.82301	344.83969	54.87576	2.12026	0.2910380	0.18266940	3.0762776	21	3 19.6	19.5
73957 1997 VF_7	14.8	X	151.32011	209.97339	235.86458	8.32600	0.2116694	0.18737790	3.0245247	21	5 22.1	19.8
73958 1997 WN	14.2	X	148.66458	140.65412	247.21879	17.03893	0.1871170	0.18163630	3.0879312	21	3 3.2	19.5
73959 1997 WV_{11}	14.3	X	25.59676	352.64172	93.74055	2.86489	0.1624535	0.17329423	3.1862509	21	—	—
73960 1997 WE_{21}	14.5	X	88.47767	30.47167	61.47053	8.20372	0.1359362	0.17889054	3.1194483	21	3 20.9	18.8
73961 1997 WP_{25}	13.4	X	73.76906	151.02650	290.47227	28.91117	0.2315509	0.17421379	3.1750291	21	2 12.2	17.8
73962 1997 WN_{40}	14.6	X	71.42770	158.69109	301.28710	3.62917	0.1911203	0.17810177	3.1286518	21	3 9.4	18.4
73963 1997 WO_{41}	13.8	X	237.49763	285.03295	71.28774	9.37259	0.2067926	0.18925291	3.0045147	21	4 18.8	18.8
73964 1997 WK_{42}	15.1	X	201.67991	264.86015	133.29435	0.78545	0.2787266	0.18923573	3.0046966	21	5 4.9	20.6
73965 1997 XF_5	13.5	X	74.45029	159.27395	328.13088	15.36817	0.0816256	0.17440390	3.1727213	21	3 27.9	18.0
73966 1997 XG_{10}	14.6	X	137.24538	234.64745	196.78312	9.57249	0.1745047	0.18846030	3.0129329	21	4 19.9	19.3
73967 1997 XX_{10}	14.7	X	19.49477	132.91195	356.75606	4.93878	0.1540277	0.17533668	3.1614589	21	1 16.8	18.3
73968 1997 YQ_4	13.9	X	108.31470	310.07354	113.97742	12.29564	0.1639460	0.17577266	3.1562290	21	3 15.9	18.6
73969 1997 YK_{12}	13.8	X	89.72577	158.00364	286.95799	5.75199	0.0805676	0.17577300	3.1562249	21	2 27.8	18.1
73970 1998 AX_6	15.9	X	20.90120	222.91089	76.93059	2.34802	0.0994402	0.31848964	2.1235990	21	9 17.0	17.6
73971 1998 BN_8	15.5	X	306.99170	199.00495	0.95173	4.51964	0.1026143	0.29393424	2.2402815	21	—	—
73972 1998 BA_{18}	13.7	X	15.33208	163.44716	334.53006	15.56765	0.0355344	0.16872503	3.2435185	21	1 28.9	18.2
73973 1998 BF_{22}	15.6	X	254.38786	129.74854	123.55540	4.55121	0.1008685	0.29371596	2.2413913	21	—	—
73974 1998 BT_{26}	13.5	X	5.18834	138.34335	334.97316	15.50972	0.0823477	0.17427390	3.1742989	21	—	—
73975 1998 BD_{34}	14.9	X	123.32415	334.41109	141.97743	11.06588	0.1095249	0.18268313	3.0761234	21	5 26.6	19.7
73976 1998 BE_{35}	14.5	X	163.31115	236.46329	118.69842	4.49346	0.1010539	0.17960081	3.1112186	21	2 8.7	19.2
73977 1998 BT_{42}	13.9	X	92.71948	145.73741	289.71752	16.55903	0.1272087	0.17536990	3.1610596	21	2 21.7	18.5
73978 1998 DU_6	16.0	X	217.22171	70.72699	201.22589	5.63714	0.0991357	0.29298091	2.2451386	21	—	—
73979 1998 DF_8	16.2	X	49.64052	136.19124	57.53874	4.00385	0.0479341	0.30648740	2.1786843	21	5 10.3	18.2
73980 1998 DV_8	16.1	X	341.99716	182.14182	132.37977	3.71372	0.1790588	0.26892244	2.3771214	21	7 14.5	18.0
73981 1998 DE_{16}	15.6	X	219.71117	110.69454	142.26110	3.83016	0.1190257	0.28789746	2.2714900	21	—	—
73982 1998 DB_{17}	14.1	X	152.35700	249.67834	158.19040	16.67753	0.2230957	0.17962508	3.1109383	21	4 12.7	19.4
73983 1998 DS_{19}	13.1	X	90.81121	12.89639	4.37030	15.57247	0.1208680	0.16176847	3.3358521	21	—	—
73984 Claudebernard	15.2	X	244.23223	282.62117	356.76836	5.87001	0.1220269	0.29459724	2.2369191	21	1 10.5	18.5
73985 1998 DH_{28}	16.2	X	72.49592	281.23099	142.66836	4.88928	0.0937364	0.29256039	2.2472895	21	—	—
73986 1998 DR_{29}	15.8	X	262.01929	39.23715	191.04593	5.04974	0.0932610	0.29280150	2.2460557	21	—	—
73987 1998 EA_2	15.7	X	108.07167	276.88604	15.19075	5.39086	0.1454711	0.27621348	2.3351035	21	12 25.9	19.3
73988 1998 EJ_{11}	15.2	X	215.94289	160.28542	110.74477	6.56145	0.0719255	0.28996121	2.2606992	21	—	—
73989 1998 ED_{12}	15.0	X	163.30120	233.23426	38.24126	6.94239	0.1036929	0.28341665	2.2953688	21	—	—
73990 1998 EU_{12}	15.1	X	179.19583	253.34250	18.16465	6.26119	0.1729980	0.28400106	2.2922188	21	—	—
73991 1998 FP	16.4	X	345.02484	236.53093	82.13253	2.26372	0.1982752	0.26578543	2.3957892	21	7 29.3	17.9
73992 1998 FK_1	15.8	X	11.21338	183.56681	345.10633	5.04548	0.0812210	0.29587740	2.2304621	21	1 28.3	17.9
73993 1998 FZ_4	15.8	X	165.15597	99.89880	106.56921	5.43850	0.1212302	0.27467597	2.3438093	21	11 5.8	19.3
73994 1998 FM_{21}	16.0	X	69.55391	318.48751	158.57476	3.78584	0.1036770	0.29934498	2.2132038	21	2 22.0	18.0
73995 1998 FQ_{25}	14.2	X	350.37909	148.41268	337.21001	9.70569	0.1663130	0.16433093	3.3010835	21	—	—
73996 1998 FU_{28}	14.2	X	115.27896	296.67592	165.11373	16.59619	0.2246728	0.17737258	3.1372207	21	5 14.2	19.3
73997 1998 FB_{38}	16.3	X	358.32735	217.68712	331.09406	3.66120	0.1413568	0.29739888	2.2228483	21	1 26.4	18.2
73998 1998 FR_{40}	16.2	X	242.31657	222.23092	341.34969	3.23195	0.0702173	0.28499321	2.2868958	21	—	—
73999 1998 FP_{43}	16.4	X	327.42543	60.59547	187.19324	2.56915	0.1381992	0.29870600	2.2163589	21	3 2.7	18.8
74000 1998 FM_{44}	15.9	X	138.32773	224.35328	18.80376	2.06153	0.1701563	0.27595168	2.3365802	21	11 23.3	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74001 1998 FW_{45}	15.2	X	210.98400	267.02248	123.34305	3.65001	0.1453889	0.30448616	2.1882201	21	4 30.3	18.4
74002 1998 FL_{47}	15.8	X	112.46079	313.06257	315.53529	2.01974	0.2013786	0.27487887	2.3426558	21	12 2.8	19.5
74003 1998 FP_{48}	15.8	X	66.87576	31.24775	215.78733	4.12461	0.2008165	0.26721599	2.3872309	21	9 18.8	18.9
74004 1998 FS_{64}	16.4	X	248.95754	16.65177	182.03496	2.29064	0.1771046	0.28427721	2.2907341	21	—	—
74005 1998 FH_{70}	15.9	X	61.98993	183.68734	97.02132	3.67734	0.2113591	0.26897867	2.3767900	21	11 1.6	19.2
74006 1998 FP_{71}	14.5	X	18.87889	228.92783	21.42575	8.85902	0.1175993	0.17669457	3.1452409	21	6 23.0	18.5
74007 1998 FY_{78}	16.0	X	106.76279	126.51749	144.33706	6.31906	0.1545095	0.27358154	2.3500559	21	11 29.7	19.7
74008 1998 FM_{103}	15.9	X	68.99068	331.82891	295.57612	3.40983	0.1097999	0.27050444	2.3678442	21	10 5.7	18.9
74009 1998 FV_{103}	15.6	X	216.61616	286.13158	224.46788	6.13849	0.0500965	0.27579870	2.3374441	21	10 26.5	18.5
74010 1998 FC_{104}	15.2	X	167.81002	56.62932	231.12536	6.25477	0.1137024	0.28463743	2.2888010	21	—	—
74011 1998 FE_{106}	16.2	X	314.22549	185.73564	344.30532	6.81846	0.0454769	0.28905729	2.2654098	21	—	—
74012 1998 FP_{108}	15.7	X	99.90397	20.27990	250.52388	5.30365	0.1621856	0.27344066	2.3508630	21	11 21.9	19.3
74013 1998 FJ_{109}	15.9	X	123.68324	292.18837	339.03708	6.83020	0.0972084	0.27699480	2.3307104	21	12 13.4	19.3
74014 1998 FK_{114}	15.2	X	4.33462	12.36299	273.72141	5.50567	0.2082979	0.26247766	2.4158751	21	7 22.0	16.9
74015 1998 FP_{130}	16.1	X	114.25863	246.42442	88.79068	2.60754	0.0332840	0.28520039	2.2857881	21	—	—
74016 1998 FK_{136}	13.4	X	119.76730	126.99625	350.78252	11.86041	0.1077661	0.13487956	3.7656384	21	5 20.2	19.1
74017 1998 FN_{138}	15.1	X	69.59348	301.42489	5.69926	30.67315	0.3112165	0.23028261	2.6361004	21	12 9.8	20.0
74018 1998 FF_{148}	16.1	X	73.20410	186.19232	71.73498	2.20059	0.1638408	0.26916835	2.3756733	21	10 8.8	19.2
74019 1998 GY	16.3	X	292.33326	207.48490	326.70418	6.25332	0.1926358	0.28684737	2.2770303	21	—	—
74020 1998 GW_{10}	15.3	X	285.74321	224.83778	26.89002	7.33212	0.0577717	0.29589690	2.2303641	21	1 26.9	18.2
74021 1998 HP_{1}	16.4	X	135.51866	192.10290	54.65618	5.34300	0.1274362	0.27395144	2.3479400	21	11 24.8	19.8
74022 1998 HG_{2}	16.6	X	106.59247	330.61975	178.97728	3.63018	0.0601100	0.30709701	2.1758001	21	6 4.8	19.2
74023 1998 HK_{4}	16.2	X	142.18416	222.88553	98.92646	5.51455	0.1788461	0.28049305	2.3112911	21	—	—
74024 Hrabě	16.2	X	50.04914	194.56680	37.98562	1.77224	0.1355267	0.26232735	2.4167979	21	7 25.4	18.7
74025 1998 HA_{6}	15.8	X	330.30955	158.16417	56.88003	7.35842	0.1223809	0.29432858	2.2382801	21	1 25.8	18.5
74026 1998 HL_{8}	15.9	X	100.77473	220.70989	57.44039	7.63112	0.1297361	0.27283734	2.3543273	21	11 29.4	19.4
74027 1998 HG_{18}	15.7	X	351.26600	42.52229	257.67351	3.81129	0.1889450	0.26322656	2.4112907	21	7 11.9	17.5
74028 1998 HR_{18}	15.9	X	54.24787	276.98322	349.84661	4.38792	0.2147479	0.26667282	2.3904714	21	10 2.1	18.9
74029 1998 HR_{19}	15.6	X	92.21133	279.13314	359.10662	6.81510	0.1109690	0.27427591	2.3460879	21	11 17.4	19.0
74030 1998 HF_{21}	15.9	X	182.11534	240.72095	24.69594	7.37607	0.0829110	0.28337177	2.2956112	21	—	—
74031 1998 HM_{22}	16.3	X	156.21568	59.09494	160.32206	2.36516	0.1443872	0.27536016	2.3399252	21	11 11.5	20.0
74032 1998 HR_{27}	15.6	X	142.14751	24.23337	319.26769	3.32374	0.1771063	0.28750067	2.2735795	21	—	—
74033 1998 HW_{27}	16.3	X	101.11092	193.13340	216.64618	6.55952	0.1037066	0.29256975	2.2472416	21	1 8.0	18.7
74034 1998 HX_{31}	16.0	X	114.34689	215.34336	21.70926	4.49811	0.2161171	0.27129832	2.3632227	21	10 26.9	19.8
74035 1998 HF_{44}	15.6	X	235.28290	14.58476	191.15562	3.59418	0.1335596	0.24012684	2.5635527	21	—	—
74036 1998 HR_{45}	16.2	X	291.00785	311.36365	270.00100	3.46869	0.1053991	0.29045421	2.2581404	21	—	—
74037 1998 HB_{55}	16.0	X	67.50863	141.75740	334.70930	2.36446	0.0942341	0.29581177	2.2307920	21	2 17.6	17.9
74038 1998 HE_{74}	16.0	X	125.55155	134.85866	126.40914	1.85327	0.1682190	0.27419396	2.3465553	21	12 4.6	19.6
74039 1998 HA_{80}	16.6	X	298.35997	140.95240	15.45359	4.16003	0.1114955	0.28468051	2.2885701	21	—	—
74040 1998 HU_{83}	15.5	X	30.47334	136.95335	145.98716	3.94859	0.1789983	0.26456107	2.4031751	21	9 13.4	17.7
74041 1998 HC_{88}	15.7	X	181.19022	56.34330	226.94795	11.89066	0.1920914	0.23965981	2.5668820	21	—	—
74042 1998 HX_{92}	16.0	X	88.92336	80.18583	19.29708	3.32651	0.1288352	0.29580338	2.2308342	21	3 7.6	18.0
74043 1998 HV_{96}	15.5	X	230.20388	174.09119	50.95481	8.28720	0.0608933	0.28290689	2.2981253	21	—	—
74044 1998 HQ_{98}	15.3	X	20.37598	215.78195	47.36615	3.51203	0.2021968	0.26103835	2.4247474	21	7 25.5	17.1
74045 1998 HG_{102}	15.7	X	349.13081	28.08686	225.61584	4.29131	0.1628800	0.25627313	2.4547127	21	4 22.9	18.0
74046 1998 HX_{102}	15.6	X	21.37784	176.72506	69.26619	3.64798	0.1382003	0.25936583	2.4351602	21	6 20.8	17.8
74047 1998 HF_{107}	15.7	X	88.18263	219.70972	93.13988	7.89151	0.2651518	0.27406764	2.3472763	21	—	—
74048 1998 HP_{121}	16.2	X	336.64134	87.61413	100.70422	5.69934	0.1056441	0.29172048	2.2516010	21	—	—
74049 1998 HA_{123}	15.7	X	302.97814	183.12493	77.59028	7.29174	0.1535818	0.29431267	2.2383607	21	2 17.6	18.6
74050 1998 HF_{127}	16.4	X	308.66352	242.80585	216.39196	6.33524	0.1170299	0.28114390	2.3077226	21	12 28.4	18.6
74051 1998 HP_{150}	13.5	X	301.21756	169.31967	95.13308	3.51719	0.1371628	0.12700991	3.9196231	21	3 18.4	18.9
74052 1998 JB_{1}	15.1	X	55.41654	225.78694	56.24053	6.83275	0.1293109	0.26786160	2.3833935	21	10 14.8	18.0
74053 1998 JV_{3}	15.7	X	6.88839	208.22578	102.03155	7.50532	0.1138963	0.26322963	2.4112720	21	9 4.0	18.2
74054 1998 JT_{4}	13.5	X	353.84437	155.65772	65.41930	5.05219	0.1611221	0.12649149	3.9303255	21	4 8.7	18.2
74055 1998 KY_{6}	16.0	X	9.15582	8.69755	226.33828	10.52170	0.2168180	0.25689660	2.4507395	21	5 5.3	17.7
74056 1998 KM_{9}	15.5	X	241.16531	340.31657	136.96235	7.53889	0.0741989	0.26931451	2.3748137	21	10 12.7	18.6
74057 1998 KW_{12}	16.1	X	79.25977	211.04311	36.45382	2.59616	0.0976416	0.26715445	2.3875974	21	9 22.5	19.2
74058 1998 KQ_{18}	16.4	X	39.22361	223.60576	30.63859	2.64704	0.1995932	0.26220455	2.4175524	21	8 20.2	18.8
74059 1998 KJ_{20}	16.1	X	159.86597	105.26306	101.82416	3.22923	0.1630991	0.27288775	2.3540374	21	10 30.3	19.8
74060 1998 KJ_{24}	16.6	X	149.69993	332.75014	248.73936	2.85453	0.2103664	0.27279658	2.3545618	21	11 5.9	20.5
74061 1998 KK_{28}	15.9	X	282.53669	193.16687	66.20600	8.10831	0.0994856	0.29136653	2.2534241	21	1 28.9	19.0
74062 1998 KR_{33}	16.0	X	34.51970	118.61861	65.56685	2.77309	0.1376500	0.29736074	2.2230384	21	4 4.8	17.7
74063 1998 KQ_{39}	15.3	X	143.51823	238.02400	85.32634	5.43885	0.3265423	0.23545754	2.5973331	21	—	—
74064 1998 KZ_{41}	16.1	X	295.94976	302.48645	22.44532	4.93463	0.1901380	0.25786867	2.4445767	21	5 2.6	19.3
74065 1998 KS_{61}	15.2	X	220.44909	19.70212	217.10472	12.30280	0.2033842	0.23812727	2.5778836	21	—	—
74066 1998 KH_{65}	15.7	X	328.00918	93.71124	161.10920	2.60314	0.1500162	0.25283399	2.4769224	21	3 21.0	18.4
74067 1998 MH_{3}	14.4	X	329.07151	172.81808	236.75551	27.58871	0.0320680	0.22943928	2.6425560	21	11 10.3	17.9
74068 1998 MJ_{4}	16.0	X	265.46723	313.14982	279.27015	6.10744	0.1325049	0.28301960	2.2975151	21	—	—
74069 1998 MO_{7}	15.2	X	308.19988	88.64313	309.43004	13.92475	0.0767098	0.26275482	2.4141759	21	9 18.4	18.2
74070 1998 MC_{9}	14.9	X	102.81637	138.82923	188.39505	12.20417	0.2898552	0.23059369	2.6337291	21	—	—
74071 1998 MH_{9}	15.6	X	78.81219	95.05759	166.19552	5.38065	0.1752757	0.26594507	2.3948303	21	10 21.2	19.0
74072 1998 MK_{9}	15.1	X	201.78752	145.73451	182.59710	7.12474	0.2439816	0.24268213	2.5455259	21	2 6.9	19.6
74073 1998 MO_{13}	15.0	X	208.15966	31.68124	263.24527	17.38783	0.2751221	0.24103704	2.5570950	21	1 4.5	19.7
74074 1998 MC_{29}	15.1	X	198.25260	24.99116	257.48939	3.75195	0.2351732	0.23764601	2.5813627	21	—	—
74075 1998 MG_{29}	15.3	X	134.46750	240.17940	89.06455	6.02613	0.2661812	0.23305611	2.6151446	21	—	—
74076 1998 MT_{33}	15.5	X	137.55751	214.78558	98.54889	7.61590	0.1636013	0.23252972	2.6190899	21	—	—
74077 1998 MA_{47}	15.4	X	162.79021	233.79731	108.94400	1.75399	0.2131904	0.23753346	2.5821780	21	1 24.6	19.6
74078 1998 NP	15.3	X	162.26486	328.79675	290.90176	12.72354	0.1360984	0.23142560	2.6274136	21	12 30.1	19.5
74079 1998 NS	15.1	X	9.19346	335.03849	292.32912	10.72514	0.2549990	0.25717542	2.4489678	21	7 6.4	16.3
74080 1998 OW	15.2	X	101.82551	154.08743	270.13409	6.08722	0.1667785	0.23941707	2.5686167	21	2 18.9	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74081 1998 OU_1	15.2	X	145.33042	234.04659	126.92776	24.99313	0.0501232	0.40905787	1.7972682	21	—	—
74082 1998 OM_3	15.7	X	204.28318	220.24424	268.48590	6.53653	0.1588146	0.26127277	2.4232969	21	8 28.3	19.5
74083 1998 OF_6	15.2	X	188.57228	4.83327	303.39627	12.32211	0.1672042	0.23713086	2.5850999	21	1 4.2	19.4
74084 1998 OA_{10}	15.6	X	119.53299	154.11832	191.55404	2.97134	0.1441367	0.23142511	2.6274174	21	—	—
74085 1998 OB_{12}	15.0	X	170.86519	263.32443	91.88734	4.82583	0.2363857	0.23813375	2.5778368	21	2 18.2	19.3
74086 1998 OE_{12}	15.1	X	175.94830	225.41938	105.32726	5.51026	0.1838128	0.23707893	2.5854774	21	1 20.0	19.2
74087 1998 OS_{13}	15.1	X	32.33600	84.86673	319.16063	12.45009	0.1975737	0.22568586	2.6717746	21	—	—
74088 1998 OK_{14}	15.6	X	159.04023	232.64471	124.04915	5.50115	0.3359092	0.23567804	2.5957128	21	2 16.6	20.1
74089 1998 OJ_{15}	15.0	X	108.82969	200.81941	140.12719	4.27717	0.2130672	0.23033045	2.6357354	21	—	—
74090 1998 QU	15.3	X	80.94707	11.01605	287.55446	5.33437	0.1054396	0.26545286	2.3977898	21	11 30.6	18.7
74091 1998 QH_3	13.9	X	87.42959	64.15439	334.38935	22.97538	0.2200231	0.23114960	2.6295047	21	1 14.0	17.2
74092 1998 QJ_5	14.7	X	19.14483	112.38682	248.41627	3.66657	0.1136254	0.22056770	2.7129478	21	11 24.7	17.9
74093 1998 QU_6	14.2	X	203.68915	275.67249	20.26868	23.53649	0.2624198	0.27654581	2.3332324	21	—	—
74094 1998 QU_8	14.4	X	173.37127	340.92832	328.18688	13.07488	0.1678575	0.23556056	2.5965757	21	—	—
74095 1998 QC_{15}	15.0	X	54.73021	339.62650	303.04820	8.26446	0.1109998	0.21830449	2.7316661	21	9 28.3	18.8
74096 1998 QD_{15}	15.6	X	103.31337	93.89638	204.15707	1.89426	0.2099486	0.26906784	2.3762649	21	12 30.4	19.6
74097 1998 QX_{15}	15.1	X	63.83234	110.30726	268.01914	10.25612	0.2109384	0.22818026	2.6522676	21	—	—
74098 1998 QA_{21}	14.6	X	238.62496	134.55363	150.69564	15.17763	0.1156250	0.23967291	2.5667885	21	1 19.7	18.7
74099 1998 QK_{22}	15.0	X	106.97043	22.89637	314.02442	13.67100	0.1579963	0.22854121	2.6494743	21	—	—
74100 1998 QE_{26}	14.6	X	3.19043	7.17692	342.73697	11.54953	0.1221999	0.21642925	2.7474222	21	10 10.8	17.9
74101 1998 QS_{30}	15.1	X	17.38057	188.13315	169.40420	13.45753	0.1569335	0.21969304	2.7201437	21	11 26.4	18.6
74102 1998 QX_{30}	15.4	X	70.51308	115.32352	179.80868	2.23070	0.1843434	0.26391029	2.4071242	21	11 24.4	18.7
74103 1998 QP_{31}	14.6	X	24.88569	31.28796	107.55874	6.49084	0.0818919	0.28130885	2.3068204	21	1 10.4	16.9
74104 1998 QK_{35}	15.5	X	136.96671	354.33435	12.28608	4.07653	0.2596631	0.23405904	2.6076688	21	2 4.8	19.6
74105 1998 QW_{35}	15.2	X	139.01952	7.12798	344.84299	4.20584	0.1630926	0.23349460	2.6118696	21	1 8.1	18.8
74106 1998 QS_{36}	15.1	X	87.98400	78.87019	317.81222	14.06167	0.1486748	0.23138419	2.6277271	21	—	—
74107 1998 QM_{37}	14.2	X	276.77113	201.88323	299.13739	5.67047	0.0671096	0.26790087	2.3831605	21	—	—
74108 1998 QP_{37}	14.8	X	341.70018	277.27421	289.01839	3.35789	0.1048479	0.28483425	2.2877466	21	2 1.6	17.3
74109 1998 QT_{37}	15.2	X	73.60942	211.92740	163.85104	8.90211	0.3274848	0.22645004	2.6657604	21	—	—
74110 1998 QU_{37}	14.8	X	72.52183	79.90623	279.16207	1.76802	0.2176304	0.22583843	2.6705711	21	—	—
74111 1998 QD_{39}	16.6	X	1.57136	322.59058	352.52333	1.58762	0.2162040	0.25708836	2.4495206	21	9 5.5	18.1
74112 1998 QE_{40}	14.9	X	249.22182	223.89136	198.46439	3.12361	0.1729362	0.25290286	2.4764728	21	7 20.0	18.5
74113 1998 QZ_{42}	15.2	X	64.05495	212.90299	131.04507	4.92246	0.1766676	0.22394481	2.6856045	21	—	—
74114 1998 QV_{46}	14.9	X	116.01972	32.96407	323.61723	14.43136	0.2719492	0.23007945	2.6376520	21	1 4.6	18.6
74115 1998 QR_{48}	14.9	X	120.51791	51.44911	282.89498	1.07442	0.2942297	0.22939533	2.6428935	21	—	—
74116 1998 QL_{49}	14.6	X	92.26902	280.16407	15.12143	3.85369	0.2490398	0.22372113	2.6873942	21	12 14.0	19.0
74117 1998 QG_{50}	15.0	X	138.83275	338.92940	353.39039	13.60674	0.2010292	0.23149241	2.6269081	21	—	—
74118 1998 QS_{50}	14.8	X	83.14590	166.66351	135.46529	5.38941	0.2479645	0.22306507	2.6926610	21	12 15.0	19.2
74119 1998 QH_{52}	13.9	X	178.85455	192.56891	319.03746	7.54179	0.0550205	0.25594237	2.4568271	21	9 6.2	17.3
74120 1998 QJ_{53}	15.0	X	179.85375	21.70999	323.72924	6.75723	0.2158240	0.23615653	2.5922054	21	2 11.5	19.3
74121 1998 QT_{53}	15.6	X	165.73103	21.87392	297.76404	11.22055	0.2614972	0.27926470	2.3180636	21	—	—
74122 1998 QU_{54}	15.5	X	144.82163	34.45015	316.21792	4.18829	0.3256392	0.23259530	2.6185975	21	1 29.2	19.7
74123 1998 QG_{56}	14.4	X	217.02934	29.69229	358.15024	16.96808	0.2295106	0.24264561	2.5457813	21	4 25.7	19.1
74124 1998 QB_{58}	15.4	X	113.82099	126.91152	178.14069	1.83199	0.0783089	0.22459829	2.6803927	21	—	—
74125 1998 QD_{59}	16.1	X	146.93768	317.39335	355.62074	2.42088	0.0944050	0.22962242	2.6411508	21	—	—
74126 1998 QV_{60}	15.6	X	42.21953	34.39326	283.81515	5.49640	0.1301289	0.26267172	2.4146851	21	11 10.3	18.7
74127 1998 QG_{61}	16.2	X	53.92652	148.27404	174.78941	4.75703	0.2550351	0.22189848	2.7020902	21	12 13.3	20.1
74128 1998 QA_{66}	15.2	X	124.78936	77.55359	291.98226	11.02000	0.2032656	0.23370826	2.6102774	21	1 17.9	18.6
74129 1998 QT_{67}	15.5	X	96.46268	129.96480	183.39286	12.66359	0.1857961	0.22579509	2.6709129	21	—	—
74130 1998 QC_{68}	15.1	X	90.08406	94.30517	275.48560	11.12487	0.1885650	0.22920917	2.6443243	21	—	—
74131 1998 QN_{69}	14.8	X	105.00016	119.83068	275.84291	13.89600	0.1131018	0.23388069	2.6089944	21	1 11.4	18.1
74132 1998 QN_{71}	15.7	X	242.04291	345.96191	256.83266	6.03830	0.1816649	0.27868251	2.3212909	21	—	—
74133 1998 QV_{71}	14.8	X	71.79132	171.44413	194.76897	14.98575	0.1174948	0.22670627	2.6637514	21	—	—
74134 1998 QG_{72}	14.9	X	154.07635	37.01085	246.97179	15.52800	0.1620174	0.22911383	2.6450579	21	—	—
74135 1998 QL_{72}	14.8	X	264.18803	12.16659	281.16477	10.70805	0.1563716	0.24301185	2.5432228	21	2 16.9	18.8
74136 1998 QP_{73}	15.3	X	136.18428	93.26256	275.10553	11.67672	0.1833859	0.23397891	2.6082641	21	1 24.5	19.2
74137 1998 QY_{74}	15.0	X	15.40441	190.78977	278.46385	12.89450	0.0571717	0.23131477	2.6282528	21	—	—
74138 1998 QD_{75}	15.1	X	98.59037	92.37640	200.04899	10.14517	0.2560806	0.22402723	2.6849457	21	12 16.5	19.8
74139 1998 QC_{77}	14.9	X	344.96137	55.01510	197.46592	17.45743	0.0926623	0.24673156	2.5175972	21	4 24.8	17.8
74140 1998 QD_{77}	14.6	X	13.00818	74.78970	262.32701	7.47678	0.1606279	0.21618655	2.7494782	21	10 16.2	17.7
74141 1998 QK_{77}	15.1	X	341.21061	192.12063	191.57865	29.65817	0.2318031	0.21579246	2.7528246	21	10 28.5	17.6
74142 1998 QL_{77}	14.9	X	133.05256	78.59068	260.38980	9.87261	0.1495590	0.23026531	2.6362324	21	—	—
74143 1998 QP_{77}	14.0	X	55.25064	86.01060	328.28372	21.65767	0.0693862	0.22851686	2.6496625	21	—	—
74144 1998 QV_{77}	14.9	X	43.10851	56.67519	325.37183	12.95669	0.1628289	0.22337039	2.6902067	21	—	—
74145 1998 QO_{84}	14.4	X	117.49156	20.00859	287.83713	10.04348	0.3024718	0.22791428	2.6543307	21	—	—
74146 1998 QS_{84}	15.1	X	138.69462	80.42136	229.09063	10.71304	0.2825028	0.23030878	2.6359007	21	—	—
74147 1998 QR_{86}	14.2	X	24.76519	61.69026	299.28043	7.85880	0.2632357	0.21976577	2.7195435	21	12 26.3	17.5
74148 1998 QP_{87}	15.2	X	92.85809	119.68346	258.20348	10.73138	0.2184127	0.22877505	2.6476685	21	—	—
74149 1998 QE_{88}	14.2	X	48.41320	90.96658	320.28491	13.76666	0.0914159	0.22768619	2.6561031	21	—	—
74150 1998 QR_{89}	14.8	X	160.01209	112.55732	306.56446	9.61182	0.2778744	0.24009168	2.5638029	21	4 23.4	19.5
74151 1998 QD_{90}	20.0	X	228.56289	23.30441	308.51820	12.53754	0.2870691	0.24159065	2.5531871	21	2 27.4	24.7
74152 1998 QH_{90}	14.9	X	20.63047	95.70087	277.61470	11.75306	0.1920752	0.21962253	2.7207259	21	12 24.9	18.1
74153 1998 QJ_{90}	15.0	X	288.34048	145.85941	289.87888	14.47406	0.2636580	0.21263373	2.7800202	21	9 4.1	18.7
74154 1998 QM_{91}	14.6	X	26.00022	6.26057	351.89531	12.60082	0.1373561	0.21761764	2.7374108	21	12 1.3	18.3
74155 1998 QK_{93}	13.4	X	37.19449	77.26411	20.86306	13.29751	0.1549533	0.22631750	2.6668011	21	—	—
74156 1998 QH_{95}	15.2	X	120.01694	151.83598	272.76857	12.95969	0.1519521	0.23815236	2.5777025	21	3 8.3	19.0
74157 1998 QK_{96}	15.7	X	175.57434	29.54712	288.80414	15.94798	0.2396991	0.23415651	2.6069451	21	1 8.9	20.0
74158 1998 QU_{97}	14.9	X	134.25912	298.77744	324.81384	22.67902	0.2221451	0.26711032	2.3878604	21	12 15.1	19.4
74159 1998 QA_{100}	15.1	X	16.23195	291.85530	35.85715	2.83808	0.0660008	0.21520932	2.7577951	21	10 1.6	18.6
74160 1998 QE_{101}	14.8	X	76.45855	66.53578	347.99242	29.55945	0.3129517	0.22940510	2.6428185	21	2 8.2	17.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74161 1998 QF_{101}	15.4	X	84.77328	298.05516	56.77856	3.09029	0.2170937	0.22642858	2.6659288	21	—	—
74162 1998 QR_{102}	14.9	X	351.77803	0.45587	59.27182	4.16362	0.0612657	0.26578632	2.3957839	21	—	—
74163 1998 QA_{104}	15.6	X	122.46332	345.28622	39.32332	7.30013	0.1783904	0.23314396	2.6144877	21	2 3.0	19.3
74164 1998 QL_{104}	15.5	X	213.29798	306.32800	41.10790	4.82374	0.1860792	0.24088105	2.5581988	21	3 14.0	19.8
74165 1998 QU_{104}	15.3	X	143.80656	259.32145	64.96839	5.49338	0.1938510	0.23056949	2.6339134	21	—	—
74166 1998 QO_{109}	15.0	X	102.51156	106.83112	248.10299	3.10444	0.1840608	0.23034821	2.6355999	21	—	—
74167 1998 RF_{2}	14.5	X	71.37852	265.41277	20.39256	13.35488	0.2039882	0.21852310	2.7298439	21	11 6.1	18.6
74168 1998 RK_{2}	15.2	X	320.69600	289.51778	105.09578	5.43373	0.0711750	0.21483606	2.7609885	21	10 8.6	18.6
74169 1998 RX_{2}	15.3	X	259.45094	105.56184	175.19218	7.78697	0.1209650	0.23990521	2.5651313	21	2 2.9	19.3
74170 1998 RB_{3}	16.6	X	165.51411	48.36151	182.02943	1.17733	0.1451820	0.26612428	2.3937551	21	12 2.2	20.1
74171 1998 RA_{6}	14.7	X	61.02423	313.65007	40.00852	4.00971	0.2487298	0.22368754	2.6876632	21	—	—
74172 1998 RX_{7}	15.5	X	129.03367	176.13565	151.31624	4.41668	0.0664629	0.22981750	2.6396559	21	—	—
74173 1998 RL_{8}	15.8	X	52.84365	234.01646	155.67009	2.55480	0.2192260	0.22420790	2.6835031	21	—	—
74174 1998 RL_{11}	15.0	X	27.47474	84.63783	7.55803	13.84953	0.0715185	0.22866992	2.6484800	21	—	—
74175 1998 RX_{13}	15.2	X	35.45013	357.01167	174.59603	12.46008	0.1775322	0.24116274	2.5562064	21	3 31.4	17.4
74176 1998 RF_{17}	15.8	X	172.59795	17.29629	282.00416	2.30896	0.1810815	0.23357560	2.6112657	21	—	—
74177 1998 RZ_{18}	14.7	X	151.77343	38.63495	41.05741	5.45621	0.1451932	0.24459579	2.5322314	21	5 7.5	18.4
74178 1998 RD_{19}	15.3	X	182.35798	19.95490	354.98696	14.03606	0.1804242	0.24084672	2.5584419	21	3 18.3	19.3
74179 1998 RZ_{23}	15.4	X	350.11893	294.33977	295.32374	5.52042	0.1555723	0.28938571	2.2636954	21	3 10.5	17.5
74180 1998 RK_{26}	15.2	X	175.32103	145.45993	148.57525	13.75571	0.1494468	0.23246728	2.6195589	21	—	—
74181 1998 RB_{28}	15.1	X	92.98066	78.38525	338.42943	14.33344	0.0970538	0.23431040	2.6058035	21	1 24.8	18.5
74182 1998 RR_{30}	14.7	X	285.45340	62.16703	343.08459	12.98436	0.1275717	0.21228883	2.7830304	21	8 21.7	18.3
74183 1998 RF_{39}	15.4	X	318.52584	349.64980	43.21856	2.81668	0.2311627	0.21411252	2.7672050	21	9 15.4	17.8
74184 1998 RM_{39}	15.0	X	236.53991	153.11260	16.81414	6.71111	0.0543737	0.26612797	2.3937330	21	12 15.4	18.0
74185 1998 RV_{39}	15.5	X	216.25136	210.18225	138.51235	6.76990	0.1471765	0.24193477	2.5507655	21	3 18.5	19.5
74186 1998 RJ_{40}	15.0	X	18.93301	351.11909	125.94172	7.18520	0.0584859	0.27629426	2.3346484	21	—	—
74187 1998 RZ_{40}	15.5	X	263.47951	326.36074	354.45875	2.49354	0.1021341	0.24474134	2.5312274	21	4 1.0	19.1
74188 1998 RC_{43}	15.2	X	134.42019	0.53600	308.27163	4.14178	0.1062983	0.22779089	2.6552891	21	—	—
74189 1998 RM_{43}	15.5	X	5.14579	173.66115	238.66023	2.55393	0.1987110	0.22162753	2.7042920	21	—	—
74190 1998 RA_{44}	15.7	X	140.78039	349.51971	53.31469	3.24734	0.2642955	0.23694395	2.5864592	21	3 24.1	19.9
74191 1998 RK_{45}	15.3	X	73.89301	140.01869	183.34557	7.60448	0.0975667	0.22205975	2.7007818	21	12 16.0	19.2
74192 1998 RV_{45}	14.7	X	234.07415	279.74690	327.47190	4.26561	0.1794052	0.23368133	2.6104780	21	—	—
74193 1998 RW_{45}	15.8	X	140.73341	161.38199	215.09063	2.18919	0.1218040	0.23503090	2.6004753	21	2 2.5	19.5
74194 1998 RL_{48}	15.1	X	63.43559	65.78095	225.06168	3.28722	0.0934769	0.21707656	2.7419577	21	10 21.7	18.9
74195 1998 RJ_{49}	15.1	X	150.98607	121.58715	341.72124	1.60865	0.0872947	0.24611936	2.5217704	21	6 2.1	18.7
74196 1998 RU_{49}	15.4	X	61.76946	169.28857	140.97460	3.23110	0.1938357	0.26315057	2.4117549	21	12 5.3	18.7
74197 1998 RX_{49}	15.7	X	121.78747	134.89321	124.74537	3.10073	0.1961756	0.26533389	2.3985065	21	11 29.3	19.7
74198 1998 RA_{50}	15.3	X	167.83938	258.78029	9.55848	11.50605	0.1633857	0.22817065	2.6523420	21	—	—
74199 1998 RA_{52}	15.0	X	115.62214	47.80376	54.96722	4.22110	0.1717417	0.24062009	2.5600481	21	5 2.2	18.6
74200 1998 RB_{53}	14.9	X	140.91710	253.53042	1.20021	10.65726	0.1819229	0.22346022	2.6894857	21	12 1.0	19.6
74201 1998 RR_{55}	14.9	X	300.98851	16.83513	235.64163	4.24852	0.2132852	0.24230472	2.5481685	21	1 31.9	18.7
74202 1998 RL_{56}	14.9	X	353.71488	328.59750	348.44962	11.38421	0.0898042	0.25421909	2.4679173	21	8 18.2	17.5
74203 1998 RN_{56}	14.2	X	282.49847	147.07317	349.82956	14.23302	0.1552860	0.26516161	2.3995453	21	12 28.3	16.9
74204 1998 RH_{58}	15.2	X	138.27002	11.58143	357.91055	8.24324	0.1115836	0.23381542	2.6094798	21	1 24.1	18.9
74205 1998 RS_{58}	15.3	X	30.48588	101.64135	345.58659	3.12747	0.1949537	0.22786011	2.6547513	21	—	—
74206 1998 RY_{58}	15.7	X	316.72176	112.52859	285.45153	1.51037	0.1860111	0.21394295	2.7686670	21	9 22.3	18.6
74207 1998 RJ_{59}	15.1	X	214.12700	357.08098	341.18083	5.12284	0.1562210	0.23988251	2.5652931	21	3 1.9	19.2
74208 1998 RD_{60}	15.3	X	236.58348	154.71142	191.59782	15.02064	0.1462738	0.24330447	2.5411833	21	4 1.8	19.2
74209 1998 RJ_{60}	15.0	X	133.08999	9.17197	344.66357	10.20737	0.2252995	0.23134773	2.6280032	21	1 13.8	18.9
74210 1998 RX_{60}	15.2	X	208.35685	23.34709	296.56839	4.37644	0.1739137	0.23733474	2.5836192	21	2 2.8	19.5
74211 1998 RO_{65}	16.2	X	131.67180	7.43962	354.11905	1.49225	0.2194972	0.23182715	2.6243788	21	1 18.9	19.9
74212 1998 RS_{66}	15.1	X	16.03664	94.97538	270.81970	2.36500	0.0988749	0.21824898	2.7321292	21	11 24.0	18.3
74213 1998 RD_{67}	14.7	X	151.34634	59.96081	201.93753	14.04762	0.2024284	0.26786496	2.3833735	21	12 24.9	18.9
74214 1998 RO_{68}	14.7	X	130.60273	282.35237	2.31370	12.16528	0.1887221	0.22477031	2.6790250	21	12 31.1	19.4
74215 1998 RV_{68}	14.9	X	49.96156	276.34786	24.67373	1.67156	0.1149290	0.21591287	2.7518010	21	10 20.7	18.5
74216 1998 RX_{70}	15.2	X	28.64529	286.05799	142.70502	6.70668	0.2791716	0.22480082	2.6787825	21	—	—
74217 1998 RB_{73}	14.7	X	55.93943	301.64643	0.05939	7.41768	0.3388855	0.26220209	2.4175676	21	12 3.3	18.5
74218 1998 RW_{73}	14.7	X	201.24092	204.50354	298.48143	4.08962	0.0831046	0.25548568	2.4597540	21	9 19.4	18.2
74219 1998 RM_{78}	13.7	X	164.95213	123.74048	40.25228	7.14911	0.0823619	0.25450430	2.4660732	21	9 11.5	17.3
74220 1998 RX_{78}	15.1	X	0.18350	281.33623	131.21860	6.69366	0.0500646	0.22153802	2.7050203	21	12 27.2	18.6
74221 1998 RU_{80}	14.7	X	155.00146	339.25006	1.94415	16.88444	0.1048119	0.23388091	2.6089927	21	1 8.2	18.8
74222 1998 RZ_{80}	16.0	X	191.59811	42.78555	302.69794	8.80925	0.1534381	0.23912844	2.5706832	21	2 16.4	20.1
74223 1998 RD_{81}	15.5	X	57.49050	96.57991	229.42960	4.25339	0.1682831	0.22011642	2.7166546	21	12 9.2	19.4
74224 1998 SX_{1}	14.6	X	108.21741	318.28681	29.26096	13.43208	0.1641808	0.22774266	2.6556640	21	—	—
74225 1998 SR_{9}	15.6	X	26.90456	239.16228	93.52302	4.30261	0.1068620	0.21592138	2.7517287	21	10 30.2	19.0
74226 1998 SZ_{12}	14.8	X	118.12526	206.90378	90.34499	13.44561	0.0787858	0.22377906	2.6869304	21	12 30.0	18.8
74227 1998 SR_{13}	14.9	X	329.32234	356.37026	27.02911	6.80777	0.0847636	0.21233092	2.7826626	21	10 4.2	18.1
74228 1998 SJ_{15}	15.4	X	222.17162	326.09412	342.37042	5.24592	0.1245830	0.23856416	2.5747353	21	2 2.9	19.4
74229 1998 SE_{18}	15.7	X	12.54239	246.77915	121.28985	3.44464	0.0906339	0.21758607	2.7376757	21	11 21.9	19.1
74230 1998 SN_{23}	15.9	X	149.39423	249.55372	124.41489	4.79754	0.1770749	0.23522362	2.5990547	21	2 16.4	19.7
74231 1998 SS_{24}	15.5	X	138.70471	295.09198	74.75654	5.01465	0.1566870	0.23297647	2.6157406	21	1 29.8	19.2
74232 1998 ST_{26}	14.2	X	115.46212	141.19986	297.39950	10.60645	0.0839684	0.18512267	3.0490390	21	3 19.7	18.7
74233 1998 SU_{35}	15.0	X	175.36431	344.96830	21.80968	11.94588	0.1961502	0.23770119	2.5809632	21	3 8.4	19.3
74234 1998 SW_{36}	15.7	X	116.35394	77.11788	15.49724	4.14986	0.1403617	0.23844019	2.5756276	21	4 14.8	19.3
74235 1998 SF_{42}	16.0	X	117.13360	164.68313	161.80081	1.70883	0.1208161	0.22835155	2.6509411	21	—	—
74236 1998 SC_{47}	15.6	X	162.38293	169.85434	37.02443	3.51483	0.0660972	0.21432250	2.7653973	21	10 26.4	19.6
74237 1998 SX_{47}	15.6	X	23.93514	98.58930	18.67323	2.70721	0.0463480	0.22975452	2.6401383	21	—	—
74238 1998 SM_{48}	15.6	X	128.98921	181.64863	215.08350	3.19067	0.0455002	0.23321622	2.6139476	21	2 3.5	19.2
74239 1998 SP_{48}	15.1	X	56.54982	325.93390	225.02796	4.09791	0.0374824	0.24334386	2.5409091	21	5 21.1	18.2
74240 1998 SY_{52}	15.1	X	81.48777	196.02207	207.96044	13.62330	0.1687529	0.22810801	2.6528276	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74241 1998 SM_{54}	15.0	X	242.78695	6.43961	348.26755	12.57937	0.0834189	0.24503906	2.5291767	21	4 18.4	18.8
74242 1998 SY_{54}	15.0	X	139.54725	20.15302	6.58283	9.62470	0.2227570	0.23509628	2.5999932	21	2 28.9	19.0
74243 1998 SR_{55}	15.1	X	68.80592	296.90879	29.71975	2.53340	0.0934766	0.22138105	2.7062989	21	12 13.1	18.8
74244 1998 SS_{57}	15.3	X	101.19618	352.02297	71.71064	3.09632	0.1547003	0.23440153	2.6051281	21	2 20.9	18.5
74245 1998 SO_{59}	13.9	X	226.04436	119.28213	24.36459	9.79476	0.0811853	0.25894514	2.4377970	21	10 22.4	17.2
74246 1998 SS_{62}	15.5	X	169.27646	348.62426	86.33140	1.72043	0.1231266	0.24301046	2.5432325	21	5 18.6	19.2
74247 1998 SR_{64}	15.2	X	31.96942	196.82351	154.11219	6.47846	0.0356785	0.21691650	2.7433064	21	11 20.5	18.9
74248 1998 SS_{64}	14.9	X	110.60750	247.95782	56.29460	4.16954	0.2617569	0.22403583	2.6848770	21	—	—
74249 1998 SB_{65}	14.0	X	1.33265	151.82542	62.38552	8.62072	0.1477244	0.24021834	2.5629017	21	3 28.3	16.7
74250 1998 SN_{65}	14.9	X	13.03333	267.86840	57.29274	8.13868	0.2289954	0.21387198	2.7692795	21	10 14.9	17.7
74251 1998 SV_{66}	15.0	X	81.96116	192.32482	89.74120	5.22924	0.0647705	0.21500508	2.7595414	21	10 31.5	18.9
74252 1998 SS_{72}	15.0	X	231.56376	244.10689	40.19822	7.43391	0.1088698	0.27752080	2.3277644	21	1 6.8	18.5
74253 1998 SR_{74}	14.3	X	61.97828	82.02043	47.35604	7.62356	0.0472563	0.23643689	2.5901558	21	3 10.8	17.6
74254 1998 SA_{75}	15.1	X	49.84399	292.05235	89.19561	4.93253	0.1122274	0.22267125	2.6958348	21	—	—
74255 1998 SL_{76}	15.3	X	133.01136	93.14656	209.96559	14.65661	0.0983438	0.22741508	2.6582136	21	—	—
74256 1998 SS_{77}	15.1	X	272.81262	12.13553	21.58631	9.73094	0.1696906	0.20929379	2.8095180	21	7 12.7	19.2
74257 1998 SR_{79}	16.1	X	241.31676	230.01235	125.29348	2.22933	0.1528443	0.24516309	2.5283236	21	4 18.2	19.9
74258 1998 SY_{79}	15.5	X	34.91920	357.15682	345.64612	4.92007	0.0718384	0.21893216	2.7264425	21	11 15.9	19.1
74259 1998 SC_{80}	15.6	X	69.83802	118.98786	301.16119	3.61212	0.1829340	0.22996608	2.6385188	21	—	—
74260 1998 SS_{80}	15.4	X	94.71758	120.38052	301.18491	4.08019	0.2488175	0.23244332	2.6197389	21	2 21.4	18.6
74261 1998 SO_{84}	15.4	X	227.27630	191.58315	38.67133	6.15185	0.1925284	0.27386294	2.3484458	21	—	—
74262 1998 SO_{87}	15.0	X	337.73827	74.49658	273.83815	2.61184	0.1103433	0.21167941	2.7883693	21	8 26.9	18.1
74263 1998 SH_{89}	15.3	X	99.40582	250.50882	326.02759	4.34010	0.1093253	0.25507313	2.4624055	21	9 4.3	18.6
74264 1998 SS_{93}	15.5	X	266.95999	284.46529	11.83760	9.59738	0.0843537	0.24134356	2.5549294	21	3 9.8	19.1
74265 1998 SQ_{95}	15.1	X	52.32533	67.73236	25.67008	14.34822	0.0926873	0.23230954	2.6207446	21	1 9.0	18.4
74266 1998 SH_{102}	15.0	X	59.75077	302.82485	14.92534	14.65187	0.0898990	0.21840407	2.7308357	21	11 16.0	18.9
74267 1998 SY_{107}	14.5	X	233.14855	207.81496	358.79946	12.64410	0.1158168	0.22478037	2.6789450	21	—	—
74268 1998 SK_{109}	15.3	X	63.80096	34.13723	354.13323	12.28358	0.2642216	0.22501020	2.6771204	21	—	—
74269 1998 SQ_{109}	14.6	X	194.50681	180.48802	247.69706	5.68270	0.1902253	0.24452646	2.5327101	21	6 3.6	18.8
74270 1998 SR_{110}	15.1	X	34.00122	70.44779	3.44591	12.71983	0.1668143	0.22590172	2.6700723	21	—	—
74271 1998 SK_{111}	15.4	X	319.64175	42.63975	345.61985	1.26196	0.0991494	0.21301141	2.7767331	21	9 22.8	18.8
74272 1998 SC_{112}	14.5	X	210.42530	153.36801	37.46587	7.05637	0.0704219	0.26354834	2.4093276	21	12 5.9	17.7
74273 1998 SL_{113}	15.7	X	11.18141	236.22593	124.26270	5.93697	0.1093144	0.21702184	2.7424187	21	11 13.2	19.0
74274 1998 SZ_{116}	15.1	X	54.35844	206.94816	218.44124	12.23866	0.1690893	0.22736547	2.6586003	21	—	—
74275 1998 SB_{117}	14.8	X	350.43449	70.99979	245.89691	6.55379	0.2254656	0.21064122	2.7975239	21	8 1.2	17.4
74276 1998 SZ_{118}	15.0	X	342.75050	7.94104	13.66260	5.76334	0.1825595	0.21498607	2.7597040	21	10 24.1	17.5
74277 1998 SE_{119}	15.5	X	24.20573	359.86824	21.45137	3.40481	0.0846978	0.22014045	2.7164569	21	12 24.4	18.9
74278 1998 SR_{119}	15.3	X	296.18013	236.21325	174.07428	8.16048	0.2293283	0.21126293	2.7920328	21	8 25.0	18.5
74279 1998 SC_{123}	14.9	X	91.69979	336.95510	15.73901	5.17213	0.1093273	0.18156011	3.0887951	21	—	—
74280 1998 ST_{124}	15.8	X	106.79770	37.70596	26.56282	7.82199	0.0640608	0.23455620	2.6039827	21	2 17.5	19.2
74281 1998 SE_{126}	14.8	X	99.17702	35.48692	70.92457	5.76553	0.2685894	0.23623170	2.5916555	21	5 2.3	18.4
74282 1998 SC_{128}	15.6	X	115.74431	303.14038	62.54703	4.71820	0.1885170	0.22960236	2.6413046	21	1 1.3	19.0
74283 1998 SJ_{130}	15.0	X	123.81804	35.78716	195.03979	5.55632	0.0958083	0.25769664	2.4456645	21	10 21.1	18.6
74284 1998 SV_{130}	14.7	X	313.58991	97.44241	11.95106	9.03198	0.1896224	0.21940075	2.7225591	21	12 31.2	17.5
74285 1998 SR_{131}	14.7	X	341.85110	348.33858	347.89836	9.05803	0.1612445	0.21038726	2.7997747	21	8 18.6	17.5
74286 1998 SX_{132}	14.4	X	38.65279	260.52772	330.21959	3.10396	0.0271224	0.24666362	2.5180595	21	6 18.4	17.4
74287 1998 SS_{133}	14.6	X	29.06262	79.61351	12.92715	3.63219	0.0697858	0.22782226	2.6550454	21	—	—
74288 1998 SG_{134}	14.6	X	190.76194	1.31269	19.47011	13.53431	0.1292802	0.23979087	2.5659466	21	4 2.5	18.6
74289 1998 SX_{135}	14.6	X	321.25223	199.32414	181.28004	14.10270	0.1643600	0.21193896	2.7860924	21	9 7.3	17.6
74290 1998 SQ_{136}	15.0	X	227.46169	189.21538	53.30722	7.57594	0.0773492	0.27183564	2.3601075	21	—	—
74291 1998 SU_{136}	15.3	X	156.53979	279.45036	96.49475	4.60082	0.2126317	0.23548394	2.5971390	21	3 1.8	19.4
74292 1998 SW_{138}	15.3	X	74.02403	111.36018	333.87546	2.33822	0.1082620	0.23180631	2.6245361	21	2 1.5	18.3
74293 1998 SF_{140}	15.6	X	88.60489	124.44343	262.55311	3.39176	0.1876202	0.22759021	2.6568498	21	—	—
74294 1998 SG_{140}	14.9	X	349.24573	108.21628	218.14388	12.36080	0.1532627	0.21002703	2.8029752	21	8 11.5	18.2
74295 1998 SR_{147}	14.9	X	57.57178	100.94373	191.97980	9.47375	0.1383100	0.21416753	2.7667312	21	10 24.7	18.6
74296 1998 SV_{147}	14.8	X	357.57461	86.31224	27.30493	13.39718	0.1451512	0.22472769	2.6793636	21	—	—
74297 1998 SZ_{147}	14.8	X	300.96345	213.23862	187.02873	8.04488	0.2000984	0.21040110	2.7996519	21	8 23.1	18.2
74298 1998 SG_{152}	15.7	X	102.96975	205.98177	167.26684	2.31190	0.1000842	0.22928773	2.6437203	21	—	—
74299 1998 SQ_{152}	14.6	X	80.69859	76.63243	216.43910	10.58066	0.1036325	0.21813726	2.7330619	21	11 16.7	18.5
74300 1998 SA_{153}	15.9	X	131.54650	20.02723	335.20667	3.42493	0.1425245	0.23082506	2.6319688	21	1 1.0	19.5
74301 1998 SK_{163}	15.5	X	8.01224	345.25092	0.38837	4.29000	0.1130194	0.21427009	2.7658482	21	10 15.7	18.6
74302 1998 TG_{1}	15.9	X	65.37168	353.73994	39.13478	3.86100	0.1466222	0.22497347	2.6774119	21	—	—
74303 1998 TN_{3}	14.8	X	176.41116	335.36031	41.42439	14.90455	0.1834678	0.23770178	2.5809589	21	3 22.9	19.2
74304 1998 TA_{13}	16.1	X	15.52747	352.03777	211.65717	1.75800	0.0218365	0.19531616	2.9420085	21	4 12.8	20.1
74305 1998 TD_{13}	15.3	X	121.23157	315.96435	39.59363	2.34372	0.0950647	0.22727688	2.6592911	21	—	—
74306 1998 TS_{29}	16.0	X	303.45148	335.68063	23.58282	2.10635	0.0924848	0.20647332	2.8350459	21	7 19.9	19.5
74307 1998 TO_{30}	15.1	X	90.14737	222.73444	207.02821	3.80801	0.1676643	0.23099798	2.6306552	21	2 12.6	18.3
74308 1998 TN_{31}	14.7	X	94.92208	298.31266	203.10923	10.98385	0.1048902	0.24146859	2.5540474	21	5 18.9	18.0
74309 1998 TF_{32}	15.0	X	168.23641	324.59030	19.34177	10.94982	0.1794942	0.23300725	2.6155103	21	2 1.9	19.3
74310 1998 TC_{33}	14.9	X	319.45708	262.98539	63.70151	1.75535	0.1706515	0.20630403	2.8365966	21	6 18.1	18.0
74311 1998 TX_{37}	15.5	X	158.29926	254.63649	186.87584	6.15296	0.0987961	0.24319047	2.5419773	21	5 15.0	19.3
74312 1998 UO_{6}	15.2	X	288.44657	227.98182	137.34444	2.74720	0.0891763	0.20535153	2.8453613	21	7 5.9	18.8
74313 1998 US_{6}	15.3	X	47.25628	27.40132	39.44068	5.16095	0.1125427	0.22715504	2.6602419	21	—	—
74314 1998 UT_{7}	15.3	X	3.88285	155.80528	215.13132	6.17577	0.1291087	0.21582911	2.7525130	21	11 15.7	18.3
74315 1998 UV_{11}	14.8	X	343.35335	77.06324	212.89432	18.00603	0.1208908	0.20393022	2.8585667	21	6 13.7	18.4
74316 1998 UW_{15}	14.7	X	95.87611	298.66000	43.92204	7.77405	0.1349751	0.26644143	2.3918552	21	—	—
74317 1998 UZ_{15}	15.9	X	167.88194	332.39132	347.57623	1.65611	0.0885274	0.22985131	2.6393971	21	—	—
74318 1998 UB_{16}	14.2	X	269.39834	155.41957	51.69498	12.71461	0.1348515	0.22686858	2.6624808	21	—	—
74319 1998 UH_{17}	15.9	X	87.95954	80.53556	333.58254	3.52709	0.1122850	0.23098149	2.6307804	21	1 13.4	19.0
74320 1998 UX_{17}	14.7	X	112.02694	89.21484	353.71125	9.57878	0.0639143	0.19350890	2.9602979	21	3 21.9	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74321 1998 UT_{21}	14.8	X	344.39577	321.49467	48.95642	9.91064	0.1654037	0.21460806	2.7629436	21	10 15.2	17.6
74322 1998 UN_{26}	15.1	X	73.39606	347.65604	78.95642	6.90681	0.0953950	0.22883871	2.6471774	21	1 5.8	18.3
74323 1998 UM_{29}	14.6	X	65.72588	10.97184	66.84997	12.94598	0.1654205	0.22828373	2.6514661	21	1 16.8	17.5
74324 1998 UP_{33}	14.3	X	52.24683	292.19397	38.19541	17.55134	0.1510191	0.21917423	2.7244347	21	12 2.4	18.2
74325 1998 UV_{36}	15.2	X	199.62347	6.23436	330.13650	3.03736	0.1592723	0.23625946	2.5914524	21	2 15.4	19.1
74326 1998 UU_{37}	14.3	X	345.77395	272.75431	199.60280	12.68114	0.1576210	0.22347532	2.6893646	21	—	—
74327 1998 UT_{38}	15.9	X	112.21022	256.46709	153.95120	2.04069	0.2131308	0.23251562	2.6191957	21	2 25.6	19.2
74328 1998 UB_{44}	14.1	X	102.07856	311.86335	48.66414	16.61352	0.1932222	0.22787604	2.6546276	21	—	—
74329 1998 UU_{45}	15.5	X	64.25213	300.41768	12.91566	5.35825	0.0608412	0.21870952	2.7282925	21	11 15.0	19.2
74330 1998 UH_{46}	15.9	X	33.95514	107.71238	30.68793	1.40529	0.0367566	0.23595773	2.5936612	21	2 6.5	18.9
74331 1998 US_{47}	13.8	X	61.11949	298.93911	47.22569	22.89407	0.1344797	0.17534188	3.1613964	21	12 21.9	18.7
74332 1998 VB_{9}	15.2	X	23.63394	210.82870	224.41359	11.13607	0.1674854	0.22396985	2.6854043	21	—	—
74333 1998 VD_{11}	15.4	X	34.29982	19.18013	50.05792	3.26654	0.1768973	0.22435747	2.6823103	21	—	—
74334 1998 VL_{11}	15.5	X	172.62176	262.95737	68.28127	2.97924	0.1625860	0.23216698	2.6218173	21	1 17.0	19.5
74335 1998 VS_{12}	15.0	X	119.59483	267.12021	85.94002	3.48023	0.1757978	0.22791320	2.6543391	21	—	—
74336 1998 VN_{14}	14.5	X	120.86745	357.97568	30.45137	14.90564	0.0999616	0.23082308	2.6319839	21	1 28.7	18.3
74337 1998 VH_{15}	15.1	X	217.02440	350.34292	32.84464	2.99392	0.1041745	0.24214103	2.5493167	21	4 30.9	18.9
74338 1998 VK_{15}	14.7	X	85.95153	321.48535	27.56211	2.26383	0.3208640	0.18017392	3.1046175	21	—	—
74339 1998 VW_{16}	15.7	X	342.89647	254.38449	175.30206	5.32396	0.2248078	0.21776646	2.7361635	21	—	—
74340 1998 VM_{19}	14.5	X	345.69322	316.28755	208.59332	14.02088	0.0955075	0.22939548	2.6428924	21	—	—
74341 1998 VP_{22}	15.1	X	41.76735	231.71491	234.86664	11.73269	0.1404054	0.22840021	2.6505646	21	1 6.2	18.0
74342 1998 VX_{26}	15.1	X	354.34736	122.88986	319.45610	4.17827	0.1394308	0.22007159	2.7170235	21	—	—
74343 1998 VH_{29}	13.7	X	82.54982	353.20854	72.01383	13.76721	0.1438806	0.22898188	2.6460739	21	1 26.9	17.0
74344 1998 VD_{34}	15.0	X	330.51901	217.76417	240.81555	8.14051	0.0796532	0.21890952	2.7266305	21	—	—
74345 1998 VY_{45}	14.7	X	38.83631	93.30248	319.81884	11.77838	0.2092582	0.22338626	2.6900793	21	—	—
74346 1998 VH_{47}	15.6	X	279.28400	304.06802	72.42316	3.12765	0.1093145	0.20427229	2.8553745	21	7 5.6	19.3
74347 1998 VB_{49}	15.3	X	36.05782	15.98856	43.61036	16.53795	0.1270009	0.22345211	2.6895507	21	—	—
74348 1998 VT_{53}	15.0	X	22.58586	32.39103	12.83916	11.96753	0.1077305	0.22072545	2.7116550	21	—	—
74349 1998 VM_{54}	14.5	X	61.43125	352.66587	321.37008	13.76896	0.1373949	0.21499511	2.7596266	21	11 20.2	18.7
74350 1998 VO_{54}	13.8	X	153.60257	127.76644	270.21124	14.00736	0.1290499	0.23498729	2.6007970	21	3 9.2	18.0
74351 1998 VT_{54}	13.6	X	224.25826	31.16369	273.30379	14.27983	0.1226094	0.23318493	2.6141814	21	1 27.1	17.8
74352 1998 VA_{55}	15.2	X	347.73302	3.35380	42.55914	5.31712	0.1181137	0.21541197	2.7560652	21	12 3.5	18.2
74353 1998 WT_{4}	14.9	X	337.12435	292.99500	110.01662	24.89779	0.3233583	0.21333003	2.7739676	21	11 28.8	17.3
74354 1998 WA_{6}	15.2	X	65.20854	333.83137	49.99814	5.66640	0.2804755	0.22362483	2.6881657	21	—	—
74355 1998 WJ_{12}	14.6	X	159.61859	144.93002	236.56455	8.10680	0.1138359	0.19037258	2.9927226	21	3 3.4	19.4
74356 1998 WP_{12}	15.0	X	189.79879	100.76376	291.57455	2.22306	0.0649655	0.23839523	2.5759514	21	4 12.6	18.7
74357 1998 WZ_{12}	14.6	X	14.05626	303.76774	32.61902	8.26261	0.2339620	0.21297860	2.7770182	21	10 29.8	17.4
74358 1998 WH_{13}	14.8	X	291.24832	208.06605	263.53492	8.01543	0.2416385	0.21405479	2.7677026	21	11 8.1	17.9
74359 1998 WK_{14}	15.2	X	12.93609	309.80684	68.17857	6.08341	0.0903207	0.21550090	2.7553070	21	12 3.8	18.4
74360 1998 WO_{14}	15.0	X	349.33171	31.31777	80.79091	3.73502	0.1621993	0.22145688	2.7056810	21	—	—
74361 1998 WK_{16}	15.3	X	14.42770	219.77118	228.15234	7.58990	0.1895202	0.22208402	2.7005849	21	—	—
74362 1998 WY_{19}	14.7	X	33.73937	327.74173	113.06558	14.23121	0.1405388	0.22427846	2.6829403	21	—	—
74363 1998 WB_{23}	15.2	X	162.72620	95.84529	236.19019	2.90008	0.2196243	0.22981083	2.6397070	21	1 12.9	19.5
74364 1998 WZ_{26}	14.8	X	34.69851	15.85705	111.73309	2.88146	0.1632019	0.18078090	3.0976644	21	2 8.4	18.1
74365 1998 WQ_{28}	14.0	X	299.56480	104.12597	60.69082	22.89415	0.0683420	0.17938792	3.1136795	21	—	—
74366 1998 WZ_{39}	15.1	X	317.65088	193.56324	71.16261	4.71176	0.2270673	0.23950189	2.5680102	21	3 11.2	18.3
74367 1998 WU_{40}	15.0	X	119.67302	72.04434	306.84194	12.78716	0.0960618	0.22928782	2.6437196	21	1 10.7	18.5
74368 1998 WG_{41}	14.9	X	125.44875	358.80733	64.91764	12.07810	0.0661067	0.19052601	2.9911156	21	3 22.5	19.4
74369 1998 WZ_{41}	15.3	X	86.33058	314.40692	62.75072	6.29925	0.0785150	0.22357546	2.6885614	21	—	—
74370 Kolářjan	15.3	X	250.86454	109.96229	36.68696	10.04031	0.2440222	0.21144729	2.7904097	21	10 27.9	19.3
74371 1998 XG_{1}	14.9	X	80.82563	237.10153	232.41451	10.80718	0.1149330	0.18958342	3.0010218	21	3 19.8	19.0
74372 1998 XL_{1}	15.1	X	208.88799	265.77642	216.17073	3.61999	0.1737344	0.20456341	2.8526648	21	8 22.1	19.8
74373 1998 XF_{2}	15.2	X	195.14358	287.03882	70.76973	12.08883	0.1194778	0.19221068	2.9736125	21	3 19.6	20.1
74374 1998 XN_{4}	15.0	X	77.69234	310.35293	100.11945	3.05835	0.0991788	0.22733387	2.6588466	21	—	—
74375 1998 XY_{6}	15.9	X	34.93600	190.13408	120.34656	1.53703	0.0606426	0.20986215	2.8044431	21	10 4.4	19.4
74376 1998 XT_{7}	15.1	X	272.96764	140.82421	50.94063	15.02749	0.1267777	0.22383948	2.6864469	21	—	—
74377 1998 XY_{7}	15.5	X	156.54734	246.55183	67.12596	3.75638	0.1076029	0.22691445	2.6621220	21	—	—
74378 1998 XH_{11}	14.2	X	9.83988	25.26669	73.53070	13.54387	0.1341171	0.22228397	2.6989652	21	—	—
74379 1998 XU_{12}	15.1	X	328.74106	187.38006	227.82770	6.00444	0.0425366	0.21310760	2.7758975	21	11 14.5	18.5
74380 1998 XR_{13}	16.1	X	53.73052	185.41551	197.39958	1.51433	0.0886264	0.22087901	2.7103981	21	—	—
74381 1998 XU_{15}	15.3	X	288.35701	193.23889	295.59224	8.07183	0.1088561	0.21572729	2.7533790	21	12 16.6	18.6
74382 1998 XZ_{15}	14.0	X	86.55832	125.97921	261.73135	27.65439	0.0693790	0.22402071	2.6849979	21	—	—
74383 1998 XC_{18}	15.6	X	319.67346	41.19598	231.81927	1.26535	0.0293888	0.19582836	2.9368763	21	4 26.5	19.4
74384 1998 XQ_{20}	14.7	X	127.69893	8.58544	111.54621	12.97288	0.0982166	0.19146148	2.9813647	21	6 3.2	19.3
74385 1998 XH_{21}	15.0	X	119.32365	329.73754	129.73620	1.65125	0.0991964	0.18860455	3.0113965	21	4 27.2	19.2
74386 1998 XG_{22}	15.4	X	261.44544	143.97701	48.72032	11.76050	0.1736667	0.22209700	2.7004797	21	—	—
74387 1998 XW_{24}	15.1	X	207.87230	221.70047	139.24625	3.41022	0.1661642	0.19445027	2.9507360	21	3 29.2	19.9
74388 1998 XG_{25}	15.8	X	232.03486	226.76565	173.13436	2.27602	0.0736818	0.20048445	2.8912274	21	6 12.8	20.1
74389 1998 XR_{25}	15.1	X	358.28718	268.33734	64.05270	7.02191	0.0865294	0.20841553	2.8174053	21	9 13.9	18.6
74390 1998 XK_{37}	14.5	X	161.25412	80.10096	323.45789	4.52667	0.1728797	0.19143102	2.9816809	21	4 5.6	19.5
74391 1998 XC_{41}	14.8	X	6.32768	71.75199	335.72692	11.80567	0.0765421	0.21536297	2.7564832	21	—	—
74392 1998 XN_{55}	14.7	X	4.56664	181.31759	245.87534	7.98853	0.1448121	0.21791734	2.7349005	21	—	—
74393 1998 XX_{56}	15.0	X	8.54984	259.39490	91.15521	8.46586	0.2370558	0.21187642	2.7866406	21	11 11.5	17.9
74394 1998 XO_{57}	14.6	X	352.65836	347.23768	189.30883	2.87555	0.2465646	0.22556562	2.6727240	21	1 2.3	17.6
74395 1998 XY_{57}	15.0	X	10.23386	324.41990	105.72505	9.87592	0.0984386	0.21860200	2.7291870	21	—	—
74396 1998 XK_{68}	14.8	X	51.37413	149.16969	271.25181	4.32167	0.0416213	0.22295182	2.6935727	21	—	—
74397 1998 XS_{71}	15.8	X	297.11896	73.71242	3.80055	6.81484	0.2875881	0.20994236	2.8037288	21	9 25.3	18.6
74398 1998 XD_{73}	13.5	X	179.27030	141.31295	313.84169	17.55596	0.0828597	0.19705820	2.9246442	21	6 26.6	18.1
74399 1998 XR_{73}	14.0	X	8.05540	306.11755	96.78760	10.33995	0.1605400	0.21464407	2.7626346	21	—	—
74400 Streaky	14.1	X	66.91816	324.54717	111.96929	10.09811	0.0781977	0.17888990	3.1194558	21	1 19.9	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74401 1998 YZ	14.5	X	133.70345	67.35844	270.92724	12.29905	0.1448542	0.17882964	3.1201566	21	—	—
74402 1998 YP_{4}	14.9	X	28.25358	274.29260	170.77059	21.58546	0.1407866	0.22239945	2.6980309	21	—	—
74403 1998 YR_{5}	13.3	X	217.02481	301.64180	295.86832	20.97250	0.0788446	0.17155586	3.2077390	21	—	—
74404 1998 YU_{11}	14.2	X	84.24487	5.30399	105.94560	8.16736	0.0428923	0.18652183	3.0337720	21	3 25.1	18.5
74405 1998 YH_{13}	14.1	X	269.26676	165.61042	108.88993	14.44065	0.2331838	0.22631437	2.6668257	21	1 31.4	18.5
74406 1998 YW_{13}	14.8	X	282.68209	297.82247	246.93254	10.39384	0.0653469	0.17922179	3.1156034	21	—	—
74407 1998 YJ_{21}	14.1	X	217.01461	115.36577	120.78756	11.66381	0.0840228	0.17089999	3.2159406	21	—	—
74408 1998 YX_{21}	13.9	X	142.97357	55.73514	300.71522	14.18308	0.1938526	0.17951671	3.1121901	21	1 28.3	18.7
74409 1998 YN_{28}	14.4	X	359.20037	125.59859	88.37358	11.15875	0.0737326	0.18992489	2.9974237	21	4 8.4	18.4
74410 1999 AX_{4}	15.2	X	48.61907	155.84595	120.29702	28.64286	0.0478186	0.37451670	1.9061420	21	10 7.9	17.9
74411 1999 AE_{5}	14.7	X	53.28801	334.48036	133.23947	2.88784	0.1759765	0.17976748	3.1092952	21	2 17.0	18.1
74412 1999 AZ_{7}	12.3	X	183.61348	347.59219	325.26962	23.52315	0.0203253	0.17641381	3.1485771	21	1 11.8	17.1
74413 1999 AW_{8}	14.0	X	229.06012	96.96154	271.40447	9.27535	0.0617197	0.19114688	2.9846351	21	4 28.9	18.5
74414 1999 AN_{9}	14.5	X	141.43018	314.77759	112.60102	15.07309	0.1194896	0.18891909	3.0080530	21	4 20.5	19.4
74415 1999 AR_{9}	13.0	X	85.23033	40.16666	337.37143	25.37065	0.1442592	0.17144584	3.2091111	21	—	—
74416 1999 AR_{10}	15.0	X	59.86705	248.35380	41.00115	9.10513	0.1264958	0.21434750	2.7651823	21	10 21.5	18.8
74417 1999 AP_{11}	15.4	X	266.95975	92.08409	238.16226	0.81808	0.0962556	0.19058124	2.9905377	21	4 23.3	19.8
74418 1999 AQ_{11}	15.0	X	321.60892	27.17038	149.48771	1.49522	0.1482162	0.17593700	3.1542632	21	—	—
74419 1999 AA_{13}	14.1	X	352.12750	29.95595	120.36595	6.67231	0.1305630	0.17733281	3.1376896	21	—	—
74420 1999 AR_{22}	13.9	X	321.61797	165.59774	61.83705	18.40793	0.1516074	0.17783364	3.1317958	21	2 25.7	18.5
74421 1999 AW_{24}	14.7	X	338.02663	26.18399	145.26403	1.03525	0.1210649	0.17508168	3.1645278	21	1 6.2	18.6
74422 1999 AP_{28}	14.1	X	229.94841	309.43068	295.13943	18.28567	0.0945268	0.17326924	3.1865574	21	—	—
74423 1999 AU_{37}	14.7	X	167.41096	14.51201	94.18925	5.54563	0.0534357	0.19542900	2.9408760	21	6 27.9	18.9
74424 1999 BN	14.1	X	354.29718	139.38441	5.06210	23.63631	0.1912382	0.22042657	2.7141057	21	—	—
74425 1999 BP	14.6	X	82.04568	332.62753	118.47517	12.08363	0.1269152	0.18356033	3.0663154	21	3 8.8	18.8
74426 1999 BK_{2}	15.8	X	245.68585	278.39081	81.30941	23.12513	0.1054438	0.36746966	1.9304344	21	5 3.2	18.6
74427 1999 BU_{2}	15.7	X	179.11163	21.63161	121.02981	23.98413	0.0467635	0.37363032	1.9091555	21	9 13.6	18.3
74428 1999 BX_{3}	14.2	X	86.13056	262.39995	151.01498	15.39169	0.2899363	0.18041394	3.1018633	21	2 16.3	18.1
74429 1999 BU_{7}	15.0	X	218.44721	131.28358	110.79789	10.86282	0.1100159	0.21562106	2.7542833	21	—	—
74430 1999 BN_{10}	13.7	X	272.06746	344.21351	323.13030	15.16495	0.0406082	0.18563263	3.0434524	21	3 31.9	18.3
74431 1999 BK_{12}	14.0	X	295.17521	304.63187	105.12751	14.95612	0.2059971	0.20335812	2.8639254	21	9 1.3	17.7
74432 1999 BM_{12}	14.0	X	0.24112	141.04261	327.76151	16.61201	0.1423969	0.21834567	2.7313226	21	—	—
74433 1999 BC_{13}	13.7	X	12.18520	216.87678	301.11792	13.78862	0.1159529	0.17966459	3.1104823	21	2 6.6	17.5
74434 1999 BZ_{20}	13.9	X	154.50463	239.74931	106.62282	11.36142	0.1919909	0.22506204	2.6767093	21	1 21.7	18.0
74435 1999 BM_{26}	14.7	X	36.35287	245.84648	327.89909	2.21668	0.1182884	0.18964140	3.0004101	21	6 1.9	18.3
74436 1999 BZ_{29}	14.9	X	41.08145	18.64030	114.05941	2.52243	0.1877807	0.18013934	3.1050148	21	3 1.2	18.2
74437 1999 CR	14.1	X	346.62725	212.26550	333.22303	18.19123	0.2120328	0.17749365	3.1357938	21	1 28.0	17.9
74438 1999 CT	14.2	X	346.81889	128.53921	123.15213	11.91883	0.1344246	0.18534092	3.0466449	21	5 3.9	18.0
74439 Brenden	14.9	X	21.66705	273.17951	143.81495	5.62690	0.1846129	0.17251727	3.1958103	21	—	—
74440 1999 CD_{6}	15.8	X	261.16703	348.19545	318.36629	17.24136	0.0425460	0.36083353	1.9540310	21	2 23.3	18.1
74441 1999 CL_{7}	16.4	X	217.52199	289.29973	140.18566	23.28679	0.0816550	0.37031264	1.9205415	21	7 4.7	19.1
74442 1999 CJ_{9}	14.5	X	5.59446	84.67686	55.64347	1.61009	0.1704326	0.17633133	3.1495589	21	1 3.6	18.2
74443 1999 CY_{11}	16.0	X	203.46473	144.75815	319.54661	19.61239	0.0875498	0.37229219	1.9137275	21	8 8.5	18.0
74444 1999 CJ_{12}	15.1	X	246.43501	254.38768	160.17147	22.86144	0.1205258	0.37131905	1.9170697	21	7 14.3	17.8
74445 1999 CP_{14}	14.1	X	322.22666	245.53720	298.24432	4.74442	0.0965982	0.17407212	3.1767515	21	1 4.2	18.5
74446 1999 CT_{19}	14.9	X	83.36404	351.53711	121.05982	5.22869	0.1443655	0.18452289	3.0556426	21	4 7.8	19.0
74447 1999 CH_{21}	14.0	X	160.36153	94.54250	313.50225	8.78965	0.0861050	0.18653019	3.0336814	21	4 2.7	18.8
74448 1999 CL_{21}	14.6	X	305.91051	253.02182	318.86936	12.94340	0.1407810	0.22108324	2.7087286	21	1 3.8	18.6
74449 1999 CR_{22}	14.8	X	146.63637	41.07986	86.76710	6.95556	0.1012324	0.19321491	2.9633001	21	7 1.6	19.3
74450 1999 CP_{25}	14.7	X	157.60670	141.20310	338.49976	9.41555	0.0744068	0.19337216	2.9616934	21	7 2.9	19.3
74451 1999 CZ_{25}	14.6	X	71.62786	298.00135	127.12151	12.26538	0.0798521	0.17686097	3.1432678	21	1 12.7	18.8
74452 1999 CL_{27}	13.9	X	131.62682	272.42062	113.68280	17.57188	0.1406372	0.18059517	3.0997878	21	2 18.8	18.7
74453 1999 CR_{28}	14.4	X	78.25631	140.62188	334.42521	10.80365	0.1161987	0.18328227	3.0694159	21	3 24.6	18.6
74454 1999 CV_{28}	14.3	X	63.85722	177.24512	326.31134	9.84779	0.0441506	0.18412677	3.0600235	21	3 30.7	18.6
74455 1999 CW_{28}	14.4	X	82.76704	79.81603	317.75566	6.16383	0.1577919	0.17591801	3.1544902	21	1 5.3	18.5
74456 1999 CN_{30}	13.8	X	28.13518	290.58348	128.48767	8.76735	0.0408941	0.16986179	3.2290313	21	—	—
74457 1999 CC_{31}	14.0	X	182.83316	60.61822	339.52918	9.45268	0.1301489	0.18822484	3.0154451	21	4 17.8	18.9
74458 1999 CA_{32}	13.6	X	326.41765	132.76383	111.79372	22.27821	0.3163010	0.17930734	3.1146124	21	2 23.5	17.8
74459 1999 CQ_{32}	13.8	X	125.34586	156.25525	351.25736	9.52192	0.0408583	0.19198918	2.9758992	21	6 27.5	18.2
74460 1999 CW_{32}	14.3	X	341.73138	10.71744	131.53234	17.08814	0.1132911	0.17365381	3.1818510	21	—	—
74461 1999 CB_{34}	13.7	X	263.38085	288.19747	326.22481	15.94105	0.1270200	0.17533110	3.1615259	21	1 20.8	18.6
74462 1999 CR_{37}	15.3	X	77.32881	88.89190	64.54337	2.75644	0.0957284	0.18618171	3.0374656	21	5 12.3	19.4
74463 1999 CW_{37}	14.5	X	348.84617	29.15396	100.59585	2.57125	0.1589416	0.17334200	3.1856655	21	—	—
74464 1999 CA_{38}	15.0	X	64.35011	355.67085	137.52653	2.79405	0.2144551	0.18299580	3.0726184	21	4 16.0	18.6
74465 1999 CF_{38}	14.1	X	280.95963	264.94623	324.24099	15.21024	0.0591444	0.17533518	3.1614769	21	1 16.8	18.7
74466 1999 CS_{41}	14.2	X	276.74603	48.66999	119.46180	8.83395	0.1565175	0.21177304	2.7875475	21	—	—
74467 1999 CG_{44}	13.5	X	14.41349	46.82199	17.03268	15.13485	0.0426879	0.16869739	3.2438728	21	—	—
74468 1999 CY_{44}	14.3	X	118.29608	346.93057	115.62886	11.96510	0.1922722	0.18693353	3.0293160	21	5 14.4	19.1
74469 1999 CN_{52}	14.2	X	112.00187	355.57898	120.46024	16.18911	0.2824436	0.18747743	3.0234542	21	6 2.8	19.3
74470 1999 CH_{55}	13.7	X	298.72957	187.27780	58.61256	6.13549	0.0992219	0.17764219	3.1340456	21	2 20.4	18.2
74471 1999 CT_{55}	14.4	X	80.60079	35.60008	74.90611	10.96528	0.0837068	0.18144055	3.0901518	21	3 27.6	18.8
74472 1999 CX_{55}	14.1	X	55.04073	180.27216	40.75875	11.82935	0.0669092	0.18981377	2.9985934	21	7 5.4	18.3
74473 1999 CY_{55}	14.2	X	211.70513	160.44076	15.88741	15.37763	0.0750084	0.20441477	2.8540475	21	11 5.6	18.5
74474 1999 CL_{60}	14.6	X	14.03181	217.81644	319.95183	4.56783	0.0881129	0.18075676	3.0979401	21	3 8.6	18.4
74475 1999 CM_{63}	14.3	X	189.19453	23.89547	179.22417	15.66792	0.1936033	0.20479717	2.8504937	21	11 12.9	19.2
74476 1999 CV_{65}	14.6	X	30.11538	308.30070	152.03832	6.90037	0.1632117	0.17636015	3.1492157	21	—	—
74477 1999 CY_{66}	12.8	X	61.22956	96.79939	283.83386	14.73789	0.0830577	0.16966511	3.2315262	21	—	—
74478 1999 CH_{68}	14.2	X	341.03546	176.67193	316.53626	5.40292	0.1346731	0.17288739	3.1912476	21	—	—
74479 1999 CJ_{72}	15.0	X	358.46196	278.68208	226.51468	6.73994	0.2243508	0.17574835	3.1565200	21	—	—
74480 1999 CE_{79}	14.5	X	328.20364	24.39149	189.18952	1.31745	0.2096011	0.17690573	3.1427375	21	1 30.8	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74481 1999 CL_{83}	14.1	X	340.17596	25.55456	54.25701	8.91631	0.1932468	0.21409564	2.7673505	21	—	—
74482 1999 CO_{92}	14.4	X	123.84359	122.07448	359.34634	14.25360	0.0848593	0.18953647	3.0015173	21	5 23.4	19.1
74483 1999 CD_{94}	14.5	X	214.11384	160.60815	52.19964	5.90535	0.1342772	0.20951081	2.8075776	21	12 20.6	18.8
74484 1999 CN_{95}	14.8	X	314.60275	116.47872	141.85919	2.38081	0.0943088	0.18268695	3.0760806	21	3 25.6	19.0
74485 1999 CJ_{101}	14.7	X	30.86558	97.44411	55.63897	2.04007	0.1286715	0.17919268	3.1159409	21	3 6.7	18.4
74486 1999 CA_{102}	14.2	X	346.40309	201.11348	72.70365	12.20983	0.0651688	0.18879728	3.0093467	21	6 1.9	18.1
74487 1999 CE_{105}	12.4	X	77.62523	3.47915	279.47965	20.91145	0.0250469	0.15933354	3.3697518	21	10 2.2	17.7
74488 1999 CX_{110}	13.8	X	2.17709	234.19951	307.29759	15.17604	0.0441410	0.18020329	3.1042801	21	2 22.7	18.2
74489 1999 CC_{120}	14.4	X	275.50346	61.85742	32.51020	11.87768	0.1617675	0.20621940	2.8373726	21	10 6.7	18.0
74490 1999 CS_{120}	13.8	X	353.94685	99.55474	73.48031	17.08774	0.1858220	0.17902163	3.1179253	21	1 25.6	17.7
74491 1999 CN_{122}	14.4	X	312.96004	280.36673	17.42848	22.33464	0.0700575	0.23473924	2.6026290	21	5 3.7	18.0
74492 1999 CP_{122}	14.0	X	148.03394	350.33913	91.16574	25.68391	0.0640305	0.18817881	3.0159368	21	5 13.1	18.8
74493 1999 CQ_{122}	13.5	X	23.68054	86.29699	0.90874	22.13157	0.1121101	0.17473539	3.1687074	21	—	—
74494 1999 CP_{123}	14.5	X	7.54899	93.94861	20.70044	15.01465	0.1626561	0.21884858	2.7271366	21	—	—
74495 1999 CD_{127}	14.1	X	40.76309	40.98657	112.42167	18.77411	0.2178840	0.18094998	3.0957343	21	4 9.6	17.8
74496 1999 CO_{136}	15.0	X	346.76837	235.14575	239.56508	0.30859	0.1242565	0.17341189	3.1848095	21	—	—
74497 1999 CG_{137}	14.1	X	152.47225	255.97255	149.95255	11.63364	0.1225546	0.18439469	3.0570587	21	4 2.4	18.9
74498 1999 CM_{138}	15.3	X	277.38373	68.01719	81.19576	2.71032	0.0547218	0.21832231	2.7315174	21	—	—
74499 1999 CH_{141}	15.1	X	47.78126	145.23108	299.00358	0.80436	0.2193519	0.17895258	3.1187273	21	1 10.5	18.2
74500 1999 CQ_{146}	14.8	X	111.34677	239.63083	165.49989	4.06132	0.1572749	0.17979116	3.1090222	21	2 18.1	19.2
74501 1999 CO_{152}	15.3	X	82.43036	332.00117	150.84665	6.62190	0.0709414	0.18376506	3.0640375	21	4 8.6	19.4
74502 1999 DG_{2}	14.0	X	227.25812	25.52371	12.59804	13.65784	0.1743957	0.23489183	2.6015017	21	5 23.3	18.4
74503 Madola	15.3	X	66.93639	201.28905	356.96907	17.17599	0.1836181	0.18828310	3.0148230	21	7 13.7	19.6
74504 1999 DF_{7}	14.8	X	37.17802	72.49966	42.35611	11.40755	0.1859841	0.22369093	2.6876361	21	1 15.2	17.6
74505 1999 EQ	15.3	X	50.44704	101.69890	334.50063	2.45532	0.2038860	0.17655403	3.1469097	21	1 5.0	18.7
74506 1999 EJ_{4}	14.3	X	348.52517	70.30194	351.62768	4.60694	0.1748798	0.20885750	2.8134293	21	12 30.7	17.4
74507 1999 FX	14.0	X	3.23098	147.24749	10.55342	5.12478	0.1138441	0.17309926	3.1886431	21	1 29.2	17.9
74508 1999 FQ_{2}	14.8	X	48.56257	119.69762	357.22144	10.57850	0.0440579	0.17617054	3.1514750	21	2 14.2	19.1
74509 Gillett	14.4	X	77.95580	106.13509	1.68578	0.99360	0.1377138	0.17949209	3.1124747	21	3 22.4	18.4
74510 1999 FF_{8}	15.7	X	140.29198	151.63049	6.06318	21.06778	0.0480905	0.36858397	1.9265417	21	8 16.4	18.2
74511 1999 FH_{8}	15.6	X	162.25151	162.67222	355.69516	20.36229	0.0462788	0.37078426	1.9189126	21	9 9.8	17.6
74512 1999 FS_{8}	15.5	X	97.03709	293.45332	205.08091	20.87854	0.0725037	0.35980958	1.9577365	21	5 1.9	17.2
74513 1999 FS_{10}	15.4	X	76.43129	139.77119	353.17057	1.98256	0.2088641	0.18430985	3.0579967	21	4 30.9	19.4
74514 1999 FG_{16}	15.0	X	55.77181	77.68945	354.17508	10.03897	0.0657919	0.17186104	3.2039404	21	—	—
74515 1999 FL_{28}	13.8	X	105.20095	139.88254	353.39617	10.79890	0.0801104	0.18326982	3.0695550	21	5 16.5	18.3
74516 1999 FD_{30}	14.4	X	74.13212	131.16577	56.92285	3.86891	0.1520726	0.18520310	3.0481561	21	6 30.8	18.5
74517 1999 FU_{31}	13.7	X	47.91661	280.77181	208.14095	21.06318	0.1906257	0.17671106	3.1450452	21	3 4.1	17.6
74518 1999 FU_{33}	15.7	X	62.37015	159.37480	89.81326	4.17563	0.2122121	0.27820843	2.3239272	21	9 22.8	18.7
74519 1999 FA_{34}	13.5	X	87.02098	95.43966	18.93596	23.01358	0.0201399	0.17827501	3.1266246	21	3 30.2	17.9
74520 1999 FF_{35}	13.9	X	73.02263	132.74152	38.76017	10.24307	0.0306887	0.18316727	3.0707006	21	5 19.1	18.1
74521 1999 FF_{36}	14.5	X	89.99031	233.70416	217.95770	8.15300	0.1866672	0.18126018	3.0922014	21	3 23.2	18.8
74522 1999 FH_{62}	14.7	X	18.69154	12.99259	150.02981	5.42458	0.1273325	0.17717911	3.1395040	21	2 26.7	18.2
74523 1999 GA_{6}	16.8	X	123.41739	357.24209	13.12049	9.62530	0.1754117	0.34773602	2.0027939	21	—	—
74524 1999 GG_{16}	14.2	X	21.46546	106.62248	41.67876	1.13766	0.1270900	0.17497766	3.1657818	21	2 13.1	18.0
74525 1999 GW_{22}	14.3	X	16.10685	191.04693	5.86406	15.17143	0.1409054	0.18045760	3.1013629	21	4 4.8	18.0
74526 1999 GU_{23}	14.1	X	254.85126	73.69831	16.30953	13.28446	0.1464696	0.19861992	2.9092933	21	9 7.9	18.3
74527 1999 GZ_{24}	13.7	X	76.50061	216.64872	11.99235	10.89900	0.0569652	0.19068221	2.9894819	21	8 16.2	18.0
74528 1999 GV_{34}	13.9	X	334.20689	348.75096	203.94492	11.39001	0.0776637	0.17389858	3.1788645	21	1 29.5	18.4
74529 1999 GJ_{35}	13.9	X	353.21206	336.98895	205.64583	16.32623	0.1186568	0.17520557	3.1630358	21	2 6.4	18.2
74530 1999 GW_{39}	13.9	X	99.89458	74.52970	39.15227	10.62606	0.1348020	0.18211815	3.0824821	21	4 26.9	18.1
74531 1999 GR_{40}	13.7	X	338.30149	220.04049	51.80821	11.42217	0.0464758	0.18395505	3.0619275	21	5 19.3	17.7
74532 1999 GO_{47}	14.3	X	320.69879	356.28953	114.72522	7.55072	0.0922165	0.20963373	2.8064799	21	—	—
74533 1999 GS_{50}	14.2	X	323.64037	80.75082	150.36857	10.13415	0.0301239	0.17637447	3.1490453	21	3 13.8	18.6
74534 1999 JA	13.8	X	146.60183	48.01361	36.95258	9.40391	0.0474209	0.18192479	3.0846658	21	5 4.0	18.3
74535 1999 JS_{3}	16.1	X	96.02196	103.52027	196.33552	7.55134	0.2221910	0.28472117	2.2883522	21	12 28.9	20.0
74536 1999 JF_{4}	16.4	X	312.72977	259.33695	50.93058	0.95287	0.1433055	0.31419631	2.1429004	21	5 10.4	18.4
74537 1999 JQ_{11}	15.9	X	237.12799	40.34309	65.56702	24.21822	0.0683661	0.37095753	1.9183150	21	10 17.8	18.4
74538 1999 JS_{12}	12.9	X	211.29241	272.47966	63.02467	20.36713	0.0913340	0.17280543	3.1922566	21	3 16.1	18.2
74539 1999 JD_{15}	15.0	X	348.95598	247.13391	86.27322	22.60363	0.2926327	0.27313731	2.3526033	21	10 2.2	17.0
74540 1999 JG_{22}	16.3	X	71.54030	322.85283	340.00617	3.86876	0.2592503	0.28225733	2.3016497	21	12 14.5	19.9
74541 1999 JT_{22}	14.4	X	54.98466	258.19808	251.38631	2.25388	0.1147187	0.17750986	3.1356030	21	4 7.3	18.2
74542 1999 JB_{28}	16.8	X	293.33237	86.88380	210.46043	4.71110	0.1546630	0.31012140	2.1616310	21	3 20.8	19.5
74543 1999 JT_{36}	15.2	X	294.45605	65.20025	218.96207	4.54557	0.2267827	0.30785156	2.1722434	21	2 22.5	18.4
74544 1999 JJ_{55}	16.0	X	230.21411	201.41718	96.42248	6.31767	0.1789792	0.30098897	2.2051374	21	1 18.1	19.3
74545 1999 JB_{59}	15.8	X	204.55968	126.58111	176.02626	3.22756	0.2133520	0.29770599	2.2213193	21	1 2.7	19.4
74546 1999 JR_{61}	16.0	X	266.03163	63.42799	230.53736	3.11492	0.1499188	0.30496781	2.1859156	21	2 14.5	19.3
74547 1999 JE_{63}	15.7	X	57.77217	344.28987	234.51144	4.88556	0.1681112	0.27214496	2.3583188	21	7 21.4	18.3
74548 1999 JM_{64}	13.8	X	66.32157	259.46667	239.19419	21.10713	0.3286260	0.17834025	3.1258620	21	5 14.0	17.8
74549 1999 JU_{80}	14.0	X	63.31795	72.25363	101.76506	15.32928	0.2274561	0.18025842	3.1036471	21	6 10.4	18.0
74550 1999 JC_{82}	13.5	X	149.41418	251.38517	102.65034	13.58551	0.0765723	0.16804301	3.2522887	21	1 23.9	18.4
74551 1999 JY_{98}	14.5	X	341.35545	79.63000	156.24211	14.31150	0.1167178	0.17534205	3.1613942	21	4 5.3	18.6
74552 1999 JV_{111}	16.4	X	261.56691	186.48516	132.11160	3.57322	0.2219868	0.30709256	2.1758211	21	3 10.9	19.7
74553 1999 KR_{1}	13.3	X	234.11812	309.74654	34.96872	19.18963	0.0735604	0.17807478	3.1289679	21	4 11.8	18.0
74554 1999 LG_{1}	16.1	X	273.38917	230.18481	110.27856	24.91254	0.0845535	0.35878900	1.9614473	21	5 15.8	18.9
74555 1999 LV_{1}	14.9	X	51.59636	142.64892	86.15373	25.77069	0.1240783	0.36942027	1.9236331	21	7 23.9	16.7
74556 1999 LG_{6}	15.8	X	2.92174	147.69923	102.84486	6.09347	0.1127310	0.31044420	2.1601323	21	5 17.5	17.5
74557 1999 LP_{13}	15.7	X	208.50556	105.84542	197.20777	4.87006	0.1786735	0.29737351	2.2229748	21	1 4.9	19.3
74558 1999 LT_{13}	15.8	X	286.12623	205.84582	118.59181	8.53825	0.2490012	0.30845674	2.1694012	21	4 12.2	18.9
74559 1999 LQ_{14}	16.7	X	258.93738	215.56555	80.92346	7.93129	0.1978994	0.30494104	2.1860435	21	2 11.9	20.2
74560 1999 LC_{15}	16.5	X	129.49394	101.87843	96.95106	23.04552	0.0520774	0.36917053	1.9245005	21	10 8.5	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74561 1999 LE_{18}	15.6	X	231.95086	253.92263	65.48732	7.67323	0.2595103	0.30170850	2.2016301	21	2 17.2	19.5
74562 1999 LD_{25}	15.8	X	243.23644	206.25559	107.38633	4.22486	0.1921654	0.30286371	2.1960281	21	2 18.6	19.2
74563 1999 MQ	16.2	X	191.80488	73.43629	281.69373	5.12868	0.1957770	0.29863490	2.2167107	21	2 22.9	19.8
74564 1999 NY_{1}	15.7	X	87.67671	128.59513	185.17016	10.03305	0.3101010	0.28178397	2.3042266	21	—	—
74565 1999 NT_{3}	15.9	X	180.43064	133.84379	132.19695	7.26702	0.0852054	0.28825211	2.2696265	21	—	—
74566 1999 NE_{5}	15.6	X	254.00512	51.42951	266.17133	4.49760	0.1162691	0.30216218	2.1994258	21	3 6.7	18.8
74567 1999 NP_{6}	16.2	X	234.46227	92.79229	262.26497	1.26989	0.1808331	0.30319310	2.1944373	21	4 3.1	19.6
74568 1999 NO_{7}	15.5	X	218.01776	33.18390	290.45513	6.16038	0.1072160	0.29816850	2.2190216	21	2 6.3	18.6
74569 1999 NR_{7}	15.3	X	255.26174	146.89695	212.33488	1.64358	0.1651267	0.30603925	2.1808107	21	5 1.4	18.3
74570 1999 NE_{8}	15.4	X	179.65437	198.42454	125.50440	6.46976	0.2001000	0.29308757	2.2445939	21	1 7.0	18.6
74571 1999 NQ_{8}	15.6	X	112.22913	49.06386	289.62234	4.46024	0.1553999	0.28593823	2.2818542	21	—	—
74572 1999 NQ_{10}	16.3	X	213.85255	342.89306	318.64616	5.46303	0.1415145	0.29501653	2.2347991	21	1 8.2	19.5
74573 1999 NB_{11}	15.8	X	119.09366	35.83476	318.98137	6.04482	0.1529997	0.28803847	2.2707486	21	—	—
74574 1999 NZ_{16}	16.3	X	115.42153	194.03909	113.17571	6.76017	0.2120001	0.28468160	2.2885643	21	—	—
74575 1999 NV_{18}	15.8	X	127.99832	223.35988	93.92475	8.10114	0.1489265	0.28730775	2.2745971	21	—	—
74576 1999 NG_{25}	16.2	X	65.52368	205.01900	85.82464	6.29035	0.3201397	0.27717391	2.3297061	21	11 30.3	19.9
74577 1999 NN_{26}	15.4	X	327.49636	20.75414	296.79218	3.12076	0.1703336	0.31193055	2.1532648	21	6 15.8	16.8
74578 1999 NF_{28}	14.6	X	299.11901	274.96658	106.21332	23.36153	0.1895346	0.26925164	2.3751834	21	7 31.4	17.2
74579 1999 NG_{30}	15.9	X	122.19454	242.90455	112.62714	6.96700	0.1440242	0.28978293	2.2616263	21	—	—
74580 1999 NE_{36}	16.1	X	136.67787	209.58247	119.68060	3.92865	0.1911608	0.28847562	2.2684540	21	—	—
74581 1999 NS_{38}	16.6	X	217.58890	196.19031	83.94822	4.74135	0.1541417	0.29407207	2.2395814	21	—	—
74582 1999 NU_{49}	16.0	X	146.89556	172.37480	140.11162	5.78949	0.2235764	0.28824136	2.2696829	21	—	—
74583 1999 NF_{50}	15.8	X	71.44223	238.26484	152.59927	9.50476	0.2700902	0.28484694	2.2876786	21	—	—
74584 1999 NH_{50}	16.4	X	205.51980	32.95461	256.41376	3.14040	0.1789801	0.29347301	2.2426281	21	—	—
74585 1999 NV_{52}	15.7	X	32.35220	179.90386	184.53541	13.75487	0.2545014	0.27807180	2.3246884	21	—	—
74586 1999 NG_{63}	16.1	X	32.32442	168.04197	169.53421	2.21770	0.2378558	0.27664291	2.3326864	21	12 14.4	18.8
74587 1999 ON_{1}	16.4	X	193.77474	122.08290	144.76765	4.01453	0.1425932	0.28930684	2.2641068	21	—	—
74588 1999 OO_{1}	16.2	X	62.18709	7.67742	349.63595	1.50209	0.1470897	0.28201998	2.3029409	21	—	—
74589 1999 OX_{1}	15.5	X	341.71386	354.74411	320.59261	7.48368	0.2264176	0.26561598	2.3968080	21	7 12.3	17.1
74590 1999 OG_{2}	14.7	X	80.52310	122.87234	184.90802	22.31610	0.1181690	0.36605303	1.9354118	21	12 31.2	17.8
74591 1999 PS_{1}	15.4	X	143.68131	324.68810	304.96995	6.34846	0.1718607	0.28265207	2.2995063	21	—	—
74592 1999 PR_{4}	15.7	X	139.54592	226.23868	191.63800	3.40332	0.1527269	0.29519305	2.2339081	21	3 22.5	18.6
74593 1999 PS_{4}	16.1	X	58.61006	163.09476	258.69101	1.43958	0.1569681	0.28521125	2.2857301	21	—	—
74594 1999 PN_{6}	16.1	X	113.85837	91.18354	276.20380	1.49536	0.1973737	0.28875600	2.2669853	21	—	—
74595 1999 QP	16.6	X	5.90937	352.82812	313.88232	0.61302	0.1915578	0.26776650	2.3839578	21	8 31.6	18.4
74596 1999 QQ	16.3	X	55.86804	303.43932	347.27026	0.23337	0.2179667	0.27396628	2.3478552	21	11 7.6	19.4
74597 1999 RG	15.4	X	68.38686	269.54923	113.58958	4.82253	0.2093595	0.28402147	2.2921090	21	—	—
74598 1999 RU_{1}	16.4	X	7.75578	225.32053	137.89968	0.49681	0.2214385	0.27288211	2.3540698	21	12 9.2	18.6
74599 1999 RF_{3}	15.8	X	98.52268	7.85344	348.17829	4.28120	0.1825725	0.28351510	2.2948374	21	—	—
74600 1999 RH_{3}	16.4	X	8.43868	42.39345	319.61196	1.61449	0.2466391	0.27429179	2.3459973	21	12 13.3	18.5
74601 1999 RK_{3}	15.7	X	100.67309	76.01692	44.06328	7.28160	0.0411202	0.29701959	2.2247403	21	4 11.6	18.2
74602 1999 RJ_{4}	16.1	X	265.27747	92.72656	284.13462	4.42442	0.0965991	0.30923442	2.1657625	21	6 17.3	18.5
74603 1999 RL_{6}	15.4	X	71.00483	58.36362	351.52680	3.93953	0.1992397	0.24022608	2.5628466	21	—	—
74604 1999 RU_{11}	15.9	X	305.25898	250.69689	89.50862	0.73921	0.1358522	0.30956581	2.1642166	21	6 16.3	17.7
74605 1999 RL_{12}	15.7	X	65.02731	139.63564	223.26059	2.48530	0.1860971	0.28091504	2.3089759	21	—	—
74606 1999 RR_{12}	15.2	X	165.05858	95.10912	309.29767	5.90367	0.1599716	0.25260410	2.4784250	21	4 3.3	19.2
74607 1999 RJ_{14}	15.5	X	172.77400	305.87015	4.22419	2.65747	0.2112744	0.24484090	2.5305412	21	—	—
74608 1999 RC_{17}	15.8	X	25.67770	170.22892	311.74068	7.29824	0.0753897	0.29020651	2.2594251	21	—	—
74609 1999 RE_{17}	15.7	X	11.62685	173.00511	224.29211	3.91102	0.1495697	0.27707564	2.3302570	21	—	—
74610 1999 RJ_{17}	16.3	X	354.83121	141.74144	179.99728	9.70830	0.2325105	0.26829364	2.3808341	21	8 30.4	17.8
74611 1999 RK_{17}	15.7	X	27.50796	167.20540	243.74738	2.69134	0.0473015	0.28180621	2.3041054	21	—	—
74612 1999 RW_{17}	16.4	X	348.09067	348.28681	311.01897	2.16649	0.1058299	0.30972268	2.1634858	21	7 8.0	17.9
74613 1999 RP_{19}	16.0	X	352.79256	165.67880	162.20451	2.79953	0.1858553	0.26818254	2.3814916	21	9 3.9	17.4
74614 1999 RP_{21}	16.2	X	272.40847	310.44531	111.32104	2.27372	0.1699248	0.26613310	2.3937022	21	8 20.6	19.1
74615 1999 RT_{21}	16.2	X	302.00215	246.47844	99.51433	2.26942	0.1988922	0.26319947	2.4114562	21	6 9.9	18.9
74616 1999 RJ_{22}	16.5	X	309.35557	199.08064	145.78680	0.85742	0.2071398	0.26394135	2.4069354	21	6 19.2	18.9
74617 1999 RP_{23}	16.3	X	355.72058	25.88295	17.45832	5.56255	0.1947951	0.27470381	2.3436509	21	—	—
74618 1999 RQ_{23}	15.5	X	357.93576	160.02489	142.10809	4.61793	0.2132055	0.26631607	2.3926057	21	8 3.4	17.1
74619 1999 RM_{25}	16.4	X	256.89627	266.20361	105.18451	1.58339	0.2507854	0.25935717	2.4352144	21	5 14.0	20.3
74620 1999 RZ_{27}	16.2	X	142.42502	51.65711	289.21335	3.90507	0.1070490	0.28834701	2.2691285	21	—	—
74621 1999 RG_{28}	16.2	X	22.39180	212.54300	124.79797	6.10852	0.1612833	0.27400747	2.3476199	21	11 18.6	18.8
74622 1999 RF_{29}	15.9	X	67.18022	142.62952	174.26533	13.55580	0.2767601	0.27892335	2.3199545	21	12 28.8	19.9
74623 1999 RX_{29}	14.8	X	172.97441	217.77542	334.94538	25.83775	0.2020561	0.27419989	2.3465215	21	10 7.2	19.2
74624 1999 RS_{32}	16.2	X	168.52410	2.38153	338.90487	6.30491	0.1343869	0.28999153	2.2605416	21	1 13.4	19.3
74625 Tieproject	16.4	X	33.47654	214.57557	176.71068	3.79024	0.2505353	0.27808194	2.3246319	21	—	—
74626 1999 RW_{38}	15.4	X	246.00364	178.71921	98.56350	6.58283	0.0706675	0.29435704	2.2381358	21	1 10.1	18.3
74627 1999 RP_{42}	15.6	X	350.81323	11.17986	51.20761	9.37874	0.2333242	0.27391313	2.3481589	21	—	—
74628 1999 RV_{42}	15.3	X	235.70764	226.90639	28.47270	4.59503	0.1268528	0.29012630	2.2598415	21	—	—
74629 1999 RB_{45}	16.0	X	333.76765	40.57577	347.43060	1.90894	0.2137042	0.26985089	2.3716658	21	10 28.9	17.5
74630 1999 RD_{46}	15.6	X	206.14865	21.41423	352.12867	4.33398	0.1516196	0.30205970	2.1999232	21	3 31.7	18.9
74631 1999 RS_{46}	16.5	X	184.22382	224.37285	134.79383	6.65678	0.2332445	0.29671620	2.2262565	21	2 26.8	20.0
74632 1999 RQ_{47}	16.0	X	94.93374	150.98788	237.15656	1.44854	0.2131273	0.28807752	2.2705434	21	—	—
74633 1999 RC_{48}	15.5	X	226.77534	6.82166	338.35227	7.08755	0.1390223	0.30112606	2.2044681	21	3 14.8	18.8
74634 1999 RJ_{50}	16.0	X	4.53141	79.34146	247.25113	1.74244	0.2584576	0.27105452	2.3646396	21	10 11.2	17.6
74635 1999 RR_{51}	16.0	X	21.65715	180.27759	175.69291	9.05522	0.1956779	0.27575399	2.3376968	21	12 17.9	18.8
74636 1999 RK_{52}	15.9	X	356.89321	270.23582	57.64801	3.02333	0.2076459	0.27013142	2.3700235	21	9 18.8	17.4
74637 1999 RS_{56}	15.5	X	59.19316	235.48968	176.38162	3.68678	0.1434990	0.28597833	2.2816409	21	—	—
74638 1999 RV_{57}	16.5	X	341.87320	247.05467	83.76960	2.46084	0.2001942	0.26813351	2.3817819	21	8 12.2	18.1
74639 1999 RF_{59}	16.0	X	49.03338	222.89551	163.16176	5.68874	0.1140870	0.28198595	2.3031262	21	—	—
74640 1999 RW_{59}	15.6	X	155.81522	194.80832	113.39157	3.83503	0.1492652	0.28847855	2.2684386	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74641 1999 RX_{60}	15.5	X	302.18561	31.88127	189.28424	5.16976	0.1287140	0.29619448	2.2288700	21	—	—
74642 1999 RJ_{61}	16.3	X	123.63031	187.50708	178.99443	1.88840	0.1115238	0.28937667	2.2637426	21	—	—
74643 1999 RJ_{62}	15.9	X	197.70097	344.36028	48.30250	3.25245	0.1938994	0.25564932	2.4587042	21	4 22.5	20.0
74644 1999 RK_{63}	16.1	X	298.15773	76.86019	286.82690	3.20632	0.3106577	0.26477723	2.4018670	21	6 10.1	18.9
74645 1999 RW_{67}	16.7	X	291.54482	151.78245	238.27159	1.79300	0.1911498	0.26636275	2.3923262	21	7 29.7	19.3
74646 1999 RD_{70}	16.7	X	57.25532	108.86245	165.15056	2.36345	0.2222898	0.27214292	2.3583306	21	10 19.3	19.7
74647 1999 RH_{71}	16.3	X	300.85415	336.99027	24.07150	1.75281	0.1847002	0.26496991	2.4007025	21	7 3.4	19.0
74648 1999 RM_{72}	16.2	X	163.64587	249.51614	38.54619	2.88951	0.1417770	0.28592505	2.2819243	21	—	—
74649 1999 RF_{73}	16.4	X	118.26020	201.87828	235.10538	3.14313	0.1013830	0.29573047	2.2312008	21	3 12.5	19.0
74650 1999 RS_{79}	16.4	X	307.15648	209.34375	174.71760	7.07707	0.1195611	0.26791197	2.3830947	21	8 29.1	18.8
74651 1999 RU_{82}	16.2	X	108.54072	47.83320	336.58982	8.15821	0.2636430	0.24173434	2.5521752	21	1 26.2	19.4
74652 1999 RE_{85}	16.7	X	323.71870	178.34406	178.04316	1.19317	0.1816178	0.26675425	2.3899849	21	8 10.9	18.7
74653 1999 RJ_{85}	15.9	X	47.40225	280.28240	29.34659	2.47326	0.2175374	0.27356185	2.3501686	21	11 22.0	18.7
74654 1999 RU_{85}	15.9	X	227.41158	319.65213	51.73329	2.87043	0.1428611	0.25628862	2.4546138	21	4 24.1	19.7
74655 1999 RG_{87}	16.2	X	308.35907	101.65647	348.04200	1.89865	0.1641199	0.27417419	2.3466681	21	12 9.9	18.1
74656 1999 RR_{87}	15.1	X	297.02718	82.35404	150.06964	3.01562	0.1730911	0.29509548	2.2344004	21	—	—
74657 1999 RG_{88}	16.1	X	58.88248	215.46340	179.82294	3.56096	0.0997575	0.28252204	2.3002118	21	—	—
74658 1999 RT_{89}	16.2	X	18.18774	245.23336	51.92938	2.84180	0.2152083	0.26832139	2.3806699	21	9 18.8	18.1
74659 1999 RU_{89}	15.4	X	359.64552	239.46452	149.04975	6.82320	0.1649883	0.27417500	2.3466635	21	12 22.8	17.7
74660 1999 RG_{90}	15.1	X	103.26483	301.69843	120.10646	4.85603	0.2723268	0.24432638	2.5340926	21	3 9.9	18.3
74661 1999 RN_{90}	16.1	X	223.58283	314.07730	43.92435	4.28408	0.1642675	0.29948967	2.2124909	21	3 30.7	19.4
74662 1999 RH_{93}	15.6	X	98.90934	326.69868	23.22808	4.34270	0.2372552	0.23761808	2.5815650	21	—	—
74663 1999 RK_{93}	16.0	X	63.77979	305.48084	22.23923	5.17589	0.1687177	0.27649141	2.3335384	21	12 28.7	19.4
74664 1999 RW_{93}	16.1	X	326.14593	174.70145	143.16315	6.60174	0.1402375	0.26308337	2.4121656	21	6 20.5	18.6
74665 1999 RA_{94}	15.7	X	46.32812	256.58367	119.50406	4.59883	0.2166331	0.27849681	2.3223227	21	—	—
74666 1999 RQ_{95}	15.7	X	175.39717	214.37932	152.85163	6.23779	0.1755292	0.29386464	2.2406353	21	2 24.9	19.1
74667 1999 RR_{95}	15.7	X	338.45668	291.65177	69.69420	3.29281	0.2234046	0.26865574	2.3786943	21	9 27.9	17.0
74668 1999 RJ_{96}	16.4	X	355.92381	201.93650	129.83872	2.10289	0.2036127	0.26818661	2.3814675	21	9 21.3	18.0
74669 1999 RN_{96}	16.2	X	27.25447	160.20388	132.72217	1.94473	0.1800006	0.26814303	2.3817255	21	9 23.3	18.3
74670 1999 RO_{100}	16.0	X	119.45943	85.53808	238.26642	10.70199	0.1352469	0.28465023	2.2887324	21	—	—
74671 1999 RT_{104}	16.3	X	39.99995	23.96746	286.00330	6.03923	0.1210972	0.27249155	2.3563187	21	10 25.9	19.1
74672 1999 RY_{104}	15.9	X	338.88808	90.82147	13.09781	6.00622	0.0512969	0.28057398	2.3108466	21	—	—
74673 1999 RG_{105}	16.1	X	122.32299	230.23289	75.56998	1.66510	0.2200665	0.28128405	2.3069560	21	—	—
74674 1999 RJ_{105}	15.5	X	330.12120	359.54233	18.54199	8.21199	0.1213757	0.26824772	2.3811058	21	10 5.3	17.5
74675 1999 RN_{109}	15.8	X	83.26951	77.52690	304.12703	5.67908	0.1208703	0.28379708	2.2933170	21	—	—
74676 1999 RR_{110}	16.0	X	55.00498	68.69493	294.27365	6.53799	0.1360914	0.27740006	2.3284398	21	—	—
74677 1999 RM_{111}	15.7	X	76.39005	220.01766	132.65510	4.80614	0.1838623	0.28202116	2.3029345	21	—	—
74678 1999 RM_{112}	15.8	X	176.04226	137.04733	262.76444	2.72247	0.1725077	0.30010778	2.2094519	21	4 6.3	19.0
74679 1999 RJ_{114}	15.6	X	123.30483	51.22838	340.40949	2.57301	0.1526600	0.29101785	2.2552237	21	1 26.5	18.0
74680 1999 RW_{115}	15.8	X	58.58191	173.76263	167.58929	4.68247	0.2401576	0.27909047	2.3190283	21	—	—
74681 1999 RX_{115}	15.7	X	124.93590	149.77994	163.45576	4.16464	0.1910969	0.28512082	2.2862134	21	—	—
74682 1999 RL_{117}	16.2	X	119.94875	93.67508	223.64951	5.74109	0.1430752	0.28471099	2.2884068	21	—	—
74683 1999 RC_{122}	16.0	X	70.16231	155.46859	186.82655	6.15888	0.1322308	0.28058028	2.3108120	21	—	—
74684 1999 RG_{123}	15.4	X	298.04286	163.60723	244.81634	6.38252	0.0957349	0.26939389	2.3743472	21	9 19.9	18.1
74685 1999 RT_{123}	15.6	X	239.59917	227.33587	314.95848	4.36052	0.0239027	0.28016801	2.3130784	21	—	—
74686 1999 RF_{125}	15.7	X	173.54781	17.77988	318.08571	2.27471	0.1973841	0.29210637	2.2496176	21	1 16.5	18.8
74687 1999 RA_{126}	15.7	X	162.97242	27.07556	290.89460	3.40487	0.1725580	0.28944043	2.2634101	21	—	—
74688 1999 RW_{128}	15.8	X	34.77159	121.11336	255.61467	2.29482	0.1317025	0.27927501	2.3180066	21	—	—
74689 1999 RB_{130}	16.2	X	223.44347	319.04005	340.06285	2.17075	0.1504718	0.29544099	2.2326581	21	1 14.2	19.6
74690 1999 RF_{130}	16.0	X	20.70546	57.71376	339.69247	5.99382	0.1447534	0.27954811	2.3164966	21	—	—
74691 1999 RV_{132}	15.8	X	150.01141	112.22960	204.60733	5.54902	0.1459960	0.28766369	2.2727204	21	—	—
74692 1999 RF_{134}	15.7	X	352.91452	72.08427	292.98396	6.13924	0.1248469	0.27249724	2.3562859	21	10 27.3	18.1
74693 1999 RG_{136}	15.6	X	30.53775	213.42591	149.46867	7.40590	0.1633574	0.27704906	2.3304060	21	—	—
74694 1999 RU_{136}	15.6	X	142.44429	168.04695	165.10837	8.14845	0.2395022	0.24317064	2.5421156	21	—	—
74695 1999 RA_{139}	16.1	X	269.25866	146.78560	227.17542	3.72875	0.1124553	0.30873965	2.1680757	21	6 16.1	18.5
74696 1999 RR_{141}	16.5	X	8.62211	339.80874	325.71801	1.50500	0.1821775	0.31443759	2.1418041	21	9 10.9	17.8
74697 1999 RZ_{141}	15.4	X	327.15503	65.75787	21.34426	3.80476	0.1151389	0.27703993	2.3304572	21	—	—
74698 1999 RZ_{142}	15.7	X	47.79452	138.10707	174.60183	4.63244	0.1606750	0.27297648	2.3535272	21	11 19.7	18.7
74699 1999 RG_{144}	16.0	X	100.32448	33.29304	222.22909	6.09754	0.0770038	0.27344294	2.3508499	21	10 26.2	19.1
74700 1999 RH_{145}	15.5	X	80.08764	93.29685	232.91927	4.06184	0.2176546	0.27985077	2.3148262	21	—	—
74701 1999 RT_{145}	16.0	X	35.00598	112.19587	281.81426	3.28238	0.2310685	0.27958658	2.3162841	21	—	—
74702 1999 RQ_{146}	15.7	X	235.53498	351.30233	304.04665	5.90769	0.1863677	0.29640467	2.2278162	21	1 20.0	19.1
74703 1999 RN_{148}	16.3	X	1.44956	61.42261	277.42997	1.73399	0.1854650	0.27097528	2.3651005	21	10 12.6	18.3
74704 1999 RU_{148}	16.1	X	81.94422	226.54931	172.35437	4.56617	0.1134127	0.28727120	2.2747901	21	—	—
74705 1999 RX_{148}	16.3	X	28.95055	156.85065	166.75846	4.91582	0.1805047	0.27315337	2.3525111	21	11 11.9	19.0
74706 1999 RE_{150}	15.9	X	153.18640	15.42981	340.75484	5.37218	0.1856365	0.29137485	2.2533813	21	1 21.4	18.9
74707 1999 RO_{150}	16.1	X	167.62927	260.90497	147.93887	3.12861	0.1718669	0.29845284	2.2176120	21	4 12.7	19.4
74708 1999 RW_{150}	15.8	X	175.76247	272.76401	0.29029	6.35986	0.1744860	0.28692932	2.2765967	21	—	—
74709 1999 RU_{151}	16.2	X	208.93722	295.09631	32.22609	2.05650	0.1049627	0.29577890	2.2309573	21	2 4.0	19.4
74710 1999 RH_{153}	15.6	X	275.77206	359.55540	277.58674	4.60719	0.1509746	0.29906350	2.2145923	21	2 3.8	18.9
74711 1999 RL_{155}	15.6	X	103.31143	145.05270	241.15322	3.76067	0.1516588	0.28772366	2.2724046	21	—	—
74712 1999 RT_{155}	15.9	X	63.37591	227.98865	234.25904	4.27541	0.1355350	0.29181569	2.2511112	21	1 21.8	17.8
74713 1999 RO_{156}	16.3	X	94.09005	83.05148	323.62275	3.92142	0.1127150	0.28914038	2.2649757	21	—	—
74714 1999 RP_{157}	16.1	X	82.98075	195.46176	134.17587	7.60694	0.1424752	0.28037829	2.3119217	21	—	—
74715 1999 RU_{160}	15.4	X	27.69827	268.33151	139.01373	7.39371	0.0833626	0.28129330	2.3069054	21	—	—
74716 1999 RO_{164}	15.4	X	251.09343	292.79745	329.61505	6.82092	0.1145721	0.29340688	2.2429651	21	—	—
74717 1999 RF_{165}	15.9	X	135.96900	186.77129	213.47821	3.55089	0.1278847	0.29324000	2.2438160	21	2 17.8	18.6
74718 1999 RX_{165}	15.7	X	342.66480	350.67302	354.80490	5.31951	0.1135896	0.26857758	2.3791558	21	9 9.2	17.9
74719 1999 RT_{166}	15.5	X	261.25419	179.84700	95.75588	4.34799	0.1274669	0.29667728	2.2264512	21	1 21.7	18.6
74720 1999 RA_{167}	16.1	X	136.94222	277.60205	23.71926	7.83319	0.1796154	0.28434356	2.2903778	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74721 1999 RH_{167}	16.2	X	347.21759	328.05084	44.95815	3.50751	0.3089791	0.27128053	2.3633260	21	11 23.3	17.1
74722 1999 RB_{168}	15.6	X	191.01436	88.59418	151.92528	6.21394	0.2379062	0.28508537	2.2864029	21	—	—
74723 1999 RU_{168}	15.2	X	200.00626	146.32865	169.53085	2.90117	0.1301370	0.29288048	2.2456519	21	1 11.4	18.4
74724 1999 RF_{169}	16.6	X	230.91106	218.57925	185.72104	4.98557	0.2221634	0.25961782	2.4335842	21	6 4.1	20.7
74725 1999 RT_{169}	16.0	X	77.38762	205.53011	226.25687	3.39864	0.1393822	0.28907807	2.2653012	21	1 4.9	18.0
74726 1999 RW_{169}	16.7	X	347.45986	65.28234	279.77648	1.75927	0.2125505	0.26900733	2.3766212	21	9 20.3	18.2
74727 1999 RJ_{170}	16.4	X	350.88391	27.15518	341.98936	2.29135	0.1804033	0.27157964	2.3615904	21	11 6.4	18.3
74728 1999 RY_{174}	15.5	X	31.59286	58.18496	6.87734	2.82350	0.1297510	0.28269817	2.2992563	21	—	—
74729 1999 RH_{175}	15.5	X	344.25375	122.03272	355.50740	6.91496	0.1020300	0.28376006	2.2935165	21	—	—
74730 1999 RU_{175}	15.7	X	242.48202	239.08383	236.15935	1.98170	0.1313021	0.26998129	2.3709020	21	9 28.8	18.8
74731 1999 RM_{176}	16.2	X	316.01997	346.05870	328.00339	3.17030	0.1475161	0.30726002	2.1750305	21	5 21.0	18.3
74732 1999 RQ_{176}	15.6	X	66.52701	263.23657	198.84408	4.25633	0.1129527	0.29157596	2.2523450	21	1 26.1	17.6
74733 1999 RV_{178}	16.4	X	344.15918	307.01854	47.94028	3.03440	0.2358992	0.26951768	2.3736201	21	10 3.1	17.6
74734 1999 RY_{179}	14.9	X	176.77934	141.76137	90.63727	6.70609	0.0790104	0.27986986	2.3147209	21	12 23.1	17.8
74735 1999 RB_{180}	15.8	X	342.16185	314.69242	66.31972	5.57364	0.1494760	0.27183147	2.3601317	21	11 5.8	17.7
74736 1999 RD_{180}	15.7	X	24.11526	278.48496	52.11472	7.25609	0.1396936	0.27240770	2.3568021	21	11 6.3	18.1
74737 1999 RK_{180}	15.6	X	215.59313	236.76745	103.30818	5.36967	0.1972175	0.29739022	2.2228915	21	3 1.2	19.1
74738 1999 RE_{182}	16.0	X	10.44904	262.53102	172.95672	6.59750	0.1125496	0.28120799	2.3073719	21	—	—
74739 1999 RG_{184}	16.0	X	25.05541	219.15298	91.44289	3.32521	0.1988469	0.27077910	2.3662427	21	10 20.6	18.4
74740 1999 RN_{184}	15.3	X	61.62870	289.91120	19.18608	6.67589	0.2667246	0.27582450	2.3372984	21	12 12.6	18.9
74741 1999 RP_{184}	16.4	X	4.30824	250.60890	68.16803	3.70474	0.1926232	0.26877494	2.3779909	21	9 20.3	18.2
74742 1999 RK_{187}	15.8	X	179.03645	106.67803	143.19079	12.35731	0.0931249	0.28252606	2.3001900	21	—	—
74743 1999 RH_{188}	16.1	X	40.55505	208.40445	74.40174	3.14974	0.1622860	0.26982553	2.3718143	21	9 29.2	18.7
74744 1999 RX_{189}	16.5	X	124.91229	289.10912	12.18454	6.44758	0.1575562	0.28250063	2.3003280	21	—	—
74745 1999 RZ_{191}	15.6	X	37.80571	204.16103	91.96038	13.09105	0.2701586	0.27172464	2.3607502	21	11 5.2	18.6
74746 1999 RK_{192}	15.7	X	119.17812	331.54206	153.02279	6.51292	0.1227360	0.25237703	2.4799114	21	5 29.5	19.2
74747 1999 RB_{193}	15.8	X	85.79846	264.26293	39.51299	4.60557	0.1459853	0.27789960	2.3256486	21	12 18.7	19.2
74748 1999 RW_{193}	15.4	X	193.22334	325.53223	323.00154	7.64898	0.1514583	0.28904359	2.2654813	21	—	—
74749 1999 RK_{195}	14.5	X	174.68936	281.01772	307.98537	23.29781	0.1703826	0.28111527	2.3078793	21	12 10.8	18.5
74750 1999 RA_{196}	15.2	X	260.81470	17.17641	278.49179	5.97992	0.1625556	0.29895120	2.2151468	21	2 10.8	18.6
74751 1999 RF_{197}	15.6	X	104.66568	6.56354	307.34515	6.17924	0.2065626	0.28088319	2.3091504	21	—	—
74752 1999 RN_{197}	15.3	X	75.52836	37.14582	331.98079	12.98598	0.1707671	0.23629038	2.5912264	21	—	—
74753 1999 RV_{197}	15.4	X	62.84137	162.50528	227.50398	7.56407	0.1172531	0.28274529	2.2990008	21	—	—
74754 1999 RO_{198}	16.2	X	167.66002	92.83745	322.37179	6.79712	0.0994859	0.29906177	2.2146008	21	4 11.2	19.3
74755 1999 RL_{199}	15.8	X	4.47872	14.98759	289.22836	4.58781	0.2270919	0.26679439	2.3897452	21	8 25.3	17.3
74756 1999 RN_{199}	15.6	X	27.01771	112.98164	268.46669	4.09072	0.1644484	0.27621808	2.3350776	21	—	—
74757 1999 RZ_{205}	15.2	X	170.38508	21.92732	284.23260	6.36893	0.1241568	0.28689350	2.2767862	21	—	—
74758 1999 RP_{207}	15.9	X	126.24626	69.85971	320.98708	8.76762	0.1649296	0.28949979	2.2631007	21	1 31.9	18.5
74759 1999 RA_{210}	15.7	X	82.43342	68.58040	305.97929	4.50482	0.1994781	0.28225963	2.3016372	21	—	—
74760 1999 RY_{210}	15.8	X	6.40918	115.39613	281.55250	6.11485	0.1192418	0.27470505	2.3436439	21	—	—
74761 1999 RA_{211}	15.3	X	59.31731	348.22854	285.09630	6.31050	0.1216759	0.26802526	2.3824231	21	9 30.6	18.4
74762 1999 RC_{212}	15.3	X	314.42608	56.32880	306.28878	6.06681	0.2294083	0.26479309	2.4017711	21	7 23.9	17.4
74763 1999 RU_{212}	16.6	X	340.21521	75.49667	273.19413	5.41241	0.2143522	0.26719382	2.3873629	21	9 3.3	18.2
74764 Rudolfpešek	15.8	X	314.28900	130.13724	323.15117	6.65837	0.2393312	0.27330317	2.3516514	21	12 30.9	17.2
74765 1999 RF_{216}	15.9	X	26.70244	199.08788	158.00313	2.92468	0.2364695	0.27668462	2.3324519	21	—	—
74766 1999 RX_{217}	15.8	X	163.66831	305.18145	355.09129	4.14675	0.1323230	0.28903691	2.2655163	21	—	—
74767 1999 RH_{221}	16.2	X	130.49511	291.15451	98.39948	4.99888	0.1553839	0.29056061	2.2575890	21	2 3.4	18.9
74768 1999 RJ_{222}	16.2	X	82.65144	285.69370	36.35832	2.97683	0.2605011	0.28023459	2.3127120	21	—	—
74769 1999 RK_{222}	16.6	X	104.59393	223.48042	82.83760	4.52823	0.1935218	0.28150193	2.3057655	21	—	—
74770 1999 RY_{222}	16.2	X	218.06048	136.89983	250.81746	6.42844	0.0560127	0.30278685	2.1963997	21	5 5.2	19.1
74771 1999 RX_{224}	16.6	X	70.24215	299.77046	334.91981	3.78997	0.1328942	0.27268477	2.3552054	21	10 21.1	19.8
74772 1999 RT_{229}	16.0	X	59.84949	215.29938	95.40412	4.59196	0.2228710	0.27658755	2.3329976	21	12 9.1	19.3
74773 1999 RX_{235}	16.4	X	33.53921	293.58285	74.98654	7.10811	0.2307283	0.27642743	2.3338985	21	—	—
74774 1999 RM_{236}	15.9	X	347.31120	252.94422	116.27023	7.37967	0.1197016	0.27069713	2.3667204	21	10 29.3	18.3
74775 1999 RB_{237}	15.9	X	90.17791	207.91699	96.42031	5.79268	0.1814168	0.27769607	2.3267848	21	12 26.5	19.4
74776 1999 RJ_{237}	15.9	X	162.35441	217.27433	93.16819	5.95672	0.1814762	0.28710378	2.2756743	21	—	—
74777 1999 RA_{239}	15.3	X	152.11889	24.09897	257.20770	10.81202	0.1065650	0.28076074	2.3098217	21	—	—
74778 1999 RR_{239}	15.8	X	20.72307	223.98593	110.44126	5.59732	0.1784125	0.27083925	2.3658923	21	11 13.8	18.3
74779 1999 RF_{241}	14.5	X	303.80497	45.30021	71.14640	23.86512	0.3095205	0.27325292	2.3519397	21	—	—
74780 1999 RL_{241}	16.0	X	37.14310	254.68383	195.56455	2.69082	0.1186877	0.28575072	2.2828524	21	—	—
74781 1999 RY_{245}	15.7	X	16.50722	313.17423	74.90641	4.27783	0.2429482	0.27683522	2.3316060	21	—	—
74782 1999 RQ_{246}	15.1	X	273.37215	211.44013	24.44525	7.39451	0.1670485	0.29442307	2.2378011	21	—	—
74783 1999 RA_{250}	16.4	X	261.49407	245.03294	177.63447	6.29298	0.1307174	0.26510639	2.3998785	21	8 10.6	19.6
74784 1999 RH_{250}	15.4	X	358.31262	155.66964	358.33908	5.32942	0.1625572	0.28941921	2.2635207	21	—	—
74785 1999 RE_{255}	15.6	X	214.59896	211.51160	295.80839	5.93241	0.0535410	0.27019683	2.3696410	21	10 15.4	18.8
74786 1999 SY	15.9	X	261.04031	288.91210	166.10852	2.45846	0.1821327	0.26734414	2.3864679	21	9 18.5	18.8
74787 1999 SH_{2}	15.6	X	288.67375	254.11170	146.09394	2.44947	0.1984167	0.26317955	2.4115779	21	8 8.2	18.2
74788 1999 SL_{3}	15.1	X	253.26491	135.51858	323.78567	22.94436	0.2277815	0.26438050	2.4042693	21	8 31.9	18.6
74789 1999 SY_{5}	14.4	X	38.49325	272.48002	130.33373	23.23538	0.3194591	0.27731542	2.3289136	21	—	—
74790 1999 SP_{6}	15.9	X	259.59052	199.78107	107.66840	12.08050	0.2632027	0.25438657	2.4668340	21	2 28.9	20.2
74791 1999 SW_{6}	15.9	X	311.93448	125.37736	218.85834	1.48494	0.2264636	0.26325939	2.4110903	21	6 19.4	18.2
74792 1999 SS_{9}	15.2	X	93.90232	8.97352	65.01755	5.72483	0.2272260	0.24265868	2.5456899	21	3 7.9	18.3
74793 1999 SR_{10}	15.5	X	132.53589	137.15285	208.97202	6.71177	0.1320991	0.28632161	2.2798169	21	—	—
74794 1999 SE_{12}	14.6	X	61.19139	330.25723	265.98612	23.36553	0.2034355	0.26600205	2.3944883	21	8 15.1	18.1
74795 1999 SG_{14}	16.1	X	303.58228	103.56927	247.12938	5.13618	0.1807191	0.26340937	2.4101750	21	6 22.7	18.8
74796 1999 SH_{14}	15.9	X	90.77182	23.98544	307.40867	4.26327	0.1970664	0.28020709	2.3128633	21	—	—
74797 1999 SM_{15}	15.5	X	168.17153	5.46852	312.18400	6.10834	0.1648453	0.28806120	2.2706291	21	—	—
74798 1999 SN_{15}	15.5	X	77.32861	359.04119	308.19807	5.62282	0.2466841	0.27652950	2.3333241	21	12 23.5	19.1
74799 1999 SC_{18}	16.3	X	135.78353	270.15160	69.97162	6.47835	0.1992326	0.28721714	2.2750755	21	—	—
74800 1999 SK_{18}	16.1	X	149.79822	205.82878	96.85466	6.37908	0.2039076	0.28565021	2.2833878	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74801 1999 SN_{18}	15.2	X	220.31560	264.93604	59.45305	7.42216	0.2110151	0.29648816	2.2273980	21	2 14.9	19.0
74802 1999 SX_{19}	15.7	X	152.99415	224.69157	107.15565	4.29918	0.1624237	0.28821738	2.2698088	21	—	—
74803 1999 SE_{22}	15.5	X	271.69903	349.78582	60.42715	7.39908	0.0662272	0.26488485	2.4012164	21	8 23.6	18.6
74804 1999 SZ_{26}	16.1	X	222.22811	280.70615	204.06758	6.08299	0.0769424	0.26473914	2.4020974	21	9 22.7	19.5
74805 1999 TF	16.0	X	25.14238	218.34210	127.31560	5.36268	0.2583837	0.27358021	2.3500635	21	12 18.4	18.8
74806 1999 TT	15.5	X	46.01041	310.54761	21.07613	7.02222	0.1331413	0.27354269	2.3502784	21	12 6.3	18.5
74807 1999 TV	16.1	X	273.17081	146.91265	219.38657	2.33013	0.3001513	0.26047077	2.4282686	21	5 17.5	19.6
74808 1999 TW_1	15.1	X	73.56907	117.74665	183.38264	4.58065	0.1094863	0.27274622	2.3548517	21	11 28.5	18.3
74809 1999 TE_2	15.7	X	113.29834	291.68138	42.73383	4.81275	0.1590012	0.28131572	2.3067829	21	—	—
74810 1999 TS_4	15.0	X	96.40464	85.45680	190.60276	22.94184	0.2172094	0.27523248	2.3406488	21	11 30.6	19.2
74811 1999 TH_5	16.1	X	141.48677	148.11293	178.25884	12.42707	0.0870684	0.23876287	2.5733066	21	—	—
74812 1999 TN_5	15.7	X	341.60166	198.24425	173.63371	2.27765	0.0896743	0.26875609	2.3781022	21	10 17.3	18.0
74813 1999 TB_7	15.6	X	42.35010	63.69192	40.51272	4.31398	0.1172980	0.28608439	2.2810770	21	—	—
74814 1999 TD_8	15.9	X	32.27016	358.38947	37.42828	0.84398	0.2045209	0.27739233	2.3284831	21	—	—
74815 1999 TG_8	14.8	X	63.46751	87.69217	341.71549	6.38669	0.1336002	0.28420765	2.2911079	21	—	—
74816 1999 TX_8	16.3	X	2.30517	38.13570	320.16721	1.69021	0.2044136	0.27179018	2.3603706	21	11 17.6	18.3
74817 1999 TZ_8	16.1	X	111.78160	273.68039	342.50688	4.63386	0.1300342	0.27466918	2.3438479	21	11 11.9	19.7
74818 Iten	15.6	X	291.09991	42.25075	44.97648	8.78514	0.1428828	0.26870820	2.3783847	21	11 2.2	17.6
74819 1999 TG_{11}	14.8	X	23.03430	344.18274	9.60063	16.45479	0.2382624	0.22742830	2.6581106	21	12 8.9	18.3
74820 1999 TN_{11}	14.8	X	0.79260	248.52720	99.23809	22.96843	0.2946416	0.27028145	2.3691464	21	11 23.2	17.1
74821 1999 TP_{13}	15.7	X	324.95755	192.83392	218.87663	1.93390	0.1407911	0.27074280	2.3664542	21	11 15.9	17.6
74822 1999 TA_{15}	15.6	X	80.02290	197.43981	173.29667	6.60525	0.1437515	0.28088655	2.3091320	21	—	—
74823 1999 TD_{15}	14.9	X	316.72394	231.94908	213.31379	22.72014	0.2950897	0.27240211	2.3568344	21	12 20.3	16.6
74824 Tarter	15.7	X	333.02967	302.10877	78.42063	3.62680	0.1804637	0.26838897	2.3802703	21	10 16.4	17.4
74825 1999 TE_{17}	15.8	X	117.07129	351.51741	48.19034	7.26983	0.0999378	0.28706002	2.2759056	21	1 22.7	18.5
74826 1999 TN_{17}	15.7	X	50.28842	261.23976	139.86971	8.86790	0.1900913	0.27999396	2.3140368	21	—	—
74827 1999 TW_{17}	16.0	X	22.77760	253.15029	108.59491	3.16842	0.2221806	0.27344437	2.3508417	21	12 30.8	18.8
74828 1999 TB_{21}	15.9	X	13.56275	102.75217	354.44134	3.66976	0.1281857	0.28122242	2.3072930	21	—	—
74829 1999 TR_{21}	16.3	X	350.39134	3.69244	55.73599	7.52941	0.0910521	0.27300081	2.3533874	21	—	—
74830 1999 TX_{22}	16.0	X	166.28040	84.60519	51.10030	3.55068	0.1253036	0.26117362	2.4239101	21	8 4.7	19.6
74831 1999 TU_{25}	16.7	X	348.94715	341.14406	9.25953	1.32399	0.2068636	0.26780504	2.3837290	21	10 4.4	18.0
74832 1999 TH_{26}	14.9	X	241.32855	279.57009	214.80462	10.07160	0.1976434	0.26755668	2.3852039	21	10 13.2	18.0
74833 1999 TZ_{26}	15.6	X	308.74924	28.86942	23.38827	6.68512	0.1479471	0.26768367	2.3844495	21	10 13.0	17.4
74834 1999 TN_{30}	16.1	X	165.76508	111.74006	205.16408	5.15223	0.2847956	0.24342711	2.5403297	21	—	—
74835 1999 TW_{30}	16.0	X	264.76997	142.10724	308.19914	0.98630	0.1628028	0.26698011	2.3886368	21	9 19.5	18.9
74836 1999 TS_{31}	16.1	X	39.21474	90.52233	211.15434	3.63630	0.2070198	0.27011394	2.3701257	21	10 29.8	18.8
74837 1999 TD_{33}	16.4	X	19.40634	341.54192	339.19653	2.24311	0.1733340	0.26939159	2.3743607	21	10 18.2	18.7
74838 1999 TK_{34}	15.9	X	187.28901	246.77917	133.87690	5.40037	0.1781951	0.29583494	2.2306755	21	3 27.2	19.3
74839 1999 TZ_{34}	15.4	X	76.28724	314.25515	10.40221	12.85590	0.2885833	0.27723367	2.3293714	21	—	—
74840 1999 TW_{35}	15.9	X	33.97474	141.06841	7.42143	7.43480	0.0745488	0.29225121	2.2488743	21	2 9.5	18.1
74841 1999 TH_{36}	14.8	X	78.18111	153.40417	304.84886	10.38024	0.0749988	0.29085993	2.2560400	21	2 6.4	17.0
74842 1999 TS_{38}	16.3	X	353.70155	317.70192	32.77159	1.38771	0.1829844	0.26924768	2.3752067	21	10 14.6	17.9
74843 1999 TB_{39}	15.5	X	240.12471	313.34681	130.99992	7.83411	0.1287952	0.26209562	2.4182222	21	8 15.6	18.6
74844 1999 TV_{39}	15.7	X	182.02937	191.04402	132.98731	9.48999	0.1177872	0.24261188	2.5460173	21	1 11.6	19.5
74845 1999 TP_{40}	16.0	X	57.67964	324.55901	42.09449	5.30770	0.1257503	0.27888252	2.3201809	21	—	—
74846 1999 TO_{41}	16.3	X	243.74611	80.36523	28.62267	2.79846	0.0644052	0.26593635	2.3948827	21	10 3.1	19.1
74847 1999 TE_{49}	16.1	X	130.08308	57.19345	32.33342	4.94735	0.0565295	0.29727930	2.2234444	21	4 10.8	18.6
74848 1999 TS_{49}	15.8	X	302.43321	243.63519	184.87567	6.32340	0.0799265	0.27096546	2.3651576	21	11 3.1	18.2
74849 1999 TP_{51}	16.5	X	286.75666	220.64728	342.25963	3.89103	0.0419201	0.28556442	2.2838451	21	—	—
74850 1999 TO_{63}	15.7	X	8.41991	186.79442	154.62807	1.71598	0.2063972	0.26827980	2.3809160	21	11 4.8	17.7
74851 1999 TL_{65}	16.4	X	274.66230	309.06365	181.83762	2.23355	0.1643116	0.27592642	2.3367228	21	12 5.5	18.5
74852 1999 TV_{65}	15.3	X	152.99551	300.81181	159.78083	1.24084	0.1872276	0.25576252	2.4579787	21	6 7.5	19.1
74853 1999 TW_{73}	16.9	X	248.80751	209.34582	221.61222	2.15838	0.1477936	0.26458471	2.4030320	21	8 3.9	20.3
74854 1999 TT_{78}	16.1	X	91.36694	182.22018	46.00414	2.12679	0.1416305	0.26658111	2.3910196	21	9 17.2	19.3
74855 1999 TR_{87}	16.1	X	127.74634	249.27254	65.20395	7.34239	0.1331352	0.27892851	2.3199259	21	—	—
74856 1999 TN_{88}	16.2	X	351.71823	248.34295	177.63466	2.24472	0.2013941	0.27633101	2.3344413	21	—	—
74857 1999 TT_{88}	15.4	X	172.91143	203.17314	49.42833	5.52470	0.1530080	0.28216627	2.3021449	21	—	—
74858 1999 TU_{88}	15.5	X	359.17123	252.62720	136.63036	4.84294	0.1877586	0.27403380	2.3474695	21	12 26.5	17.7
74859 1999 TW_{89}	15.9	X	107.95657	346.20054	46.18690	5.10829	0.1535714	0.28782387	2.2718771	21	1 5.2	18.3
74860 1999 TZ_{89}	15.8	X	278.92669	278.68137	172.14201	2.18240	0.1944252	0.26925678	2.3751532	21	10 8.3	18.2
74861 1999 TW_{90}	15.7	X	289.20548	219.62194	63.28155	6.87594	0.1712005	0.30013265	2.2093298	21	2 28.5	18.8
74862 1999 TB_{91}	16.1	X	193.12740	251.18550	90.96512	3.10841	0.1927605	0.29393918	2.2402564	21	2 11.5	19.6
74863 1999 TC_{91}	15.6	X	191.42815	282.23820	35.79606	5.78812	0.1429484	0.29107511	2.2549279	21	1 7.9	18.9
74864 1999 TF_{91}	16.1	X	87.73054	260.41560	21.15058	8.72294	0.2289683	0.27532427	2.3401286	21	11 27.6	19.9
74865 1999 TG_{91}	15.9	X	168.03740	119.15448	143.76563	3.80995	0.1358422	0.28167944	2.3047967	21	—	—
74866 1999 TA_{93}	15.6	X	145.05326	278.56207	65.90120	6.76481	0.1358852	0.28762979	2.2728990	21	—	—
74867 1999 TB_{93}	16.0	X	184.26768	199.55227	96.95883	6.86567	0.1672336	0.28793056	2.2713159	21	—	—
74868 1999 TC_{93}	15.6	X	110.33654	309.42223	75.72434	7.25323	0.1554076	0.28705801	2.2759162	21	—	—
74869 1999 TN_{94}	14.7	X	35.61937	49.28693	56.82354	5.64135	0.0396710	0.24211358	2.5495094	21	—	—
74870 1999 TJ_{96}	15.5	X	321.21164	275.94701	138.57427	4.75905	0.1140687	0.27099096	2.3650093	21	11 14.7	17.7
74871 1999 TT_{97}	15.8	X	333.84836	200.52251	156.49556	6.16782	0.1393692	0.26669521	2.3903376	21	9 8.5	17.8
74872 1999 TC_{98}	15.8	X	356.03998	232.98637	125.77026	7.14330	0.1382669	0.26981689	2.3718650	21	10 31.5	18.1
74873 1999 TO_{98}	15.8	X	105.23299	314.19935	67.28466	6.63946	0.1748769	0.28558298	2.2837462	21	—	—
74874 1999 TA_{99}	15.0	X	173.25676	98.98502	78.34426	7.21088	0.0640722	0.26804878	2.3822838	21	10 10.8	18.4
74875 1999 TH_{100}	16.0	X	89.70428	240.06756	82.04727	4.81922	0.1387749	0.27905921	2.3192014	21	—	—
74876 1999 TN_{103}	15.5	X	305.44538	222.35750	346.50181	7.45355	0.0975936	0.28951421	2.2630256	21	—	—
74877 1999 TU_{103}	15.8	X	88.04088	81.45927	351.62878	8.35102	0.0904775	0.28888900	2.2662895	21	1 23.5	18.2
74878 1999 TK_{104}	15.6	X	308.17468	349.26232	357.20711	5.64737	0.2058395	0.26216973	2.4177664	21	6 19.8	18.2
74879 1999 TP_{104}	16.6	X	304.45714	195.01269	231.90336	4.48772	0.1917110	0.26913415	2.3758746	21	10 20.9	18.6
74880 1999 TY_{104}	15.1	X	55.56524	246.10273	263.37443	3.94918	0.1220694	0.29376321	2.2411510	21	3 18.8	17.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74881 1999 TE_{105}	15.5	X	257.82264	237.54053	265.70690	4.00334	0.0415578	0.27417979	2.3466361	21	12 13.2	18.0
74882 1999 TV_{105}	15.3	X	303.73425	256.60451	197.06636	7.06005	0.0683805	0.27201353	2.3590784	21	12 11.3	18.0
74883 1999 TC_{108}	15.8	X	146.03614	9.56154	245.98512	6.34944	0.0924009	0.27878780	2.3207064	21	12 17.8	19.1
74884 1999 TM_{109}	16.0	X	83.66182	302.09633	303.86524	4.52884	0.1137589	0.31462294	2.1409628	21	9 29.9	18.7
74885 1999 TY_{110}	15.6	X	106.26670	26.74846	286.46904	6.15838	0.1308271	0.28005596	2.3136953	21	—	—
74886 1999 TA_{113}	15.7	X	22.76654	209.13863	301.36530	5.53939	0.0428960	0.29200407	2.2501430	21	1 23.8	18.2
74887 1999 TE_{113}	16.2	X	273.97937	0.71965	265.08065	4.04561	0.1301742	0.29507891	2.2344841	21	1 21.2	19.3
74888 1999 TG_{115}	15.9	X	249.09966	172.09562	285.05412	4.05293	0.1744711	0.26583271	2.3955051	21	9 4.5	19.1
74889 1999 TU_{116}	16.0	X	49.20004	124.16274	175.66803	4.98950	0.1979922	0.27165010	2.3611821	21	11 9.8	19.0
74890 1999 TW_{116}	15.7	X	40.63915	69.11304	195.79657	6.79050	0.1131248	0.26501070	2.4004562	21	8 20.7	18.5
74891 1999 TZ_{116}	16.2	X	118.46866	320.54535	13.60118	4.50395	0.2422429	0.23851619	2.5750805	21	—	—
74892 1999 TQ_{118}	16.4	X	279.67586	133.80386	271.17311	1.93685	0.2091495	0.26424090	2.4051159	21	7 30.1	19.3
74893 1999 TX_{118}	16.0	X	12.78608	106.77133	12.74718	6.79595	0.1225049	0.28527066	2.2854127	21	—	—
74894 1999 TB_{119}	15.9	X	140.76625	68.22835	12.85491	8.27023	0.0690403	0.29738959	2.2228946	21	4 13.3	18.7
74895 1999 TL_{120}	16.2	X	140.25210	156.99213	319.47049	2.98035	0.0654578	0.30150130	2.2026387	21	6 2.7	19.0
74896 1999 TO_{121}	16.1	X	304.07262	274.82771	127.28392	2.44407	0.1981613	0.26698987	2.3885786	21	9 10.7	18.2
74897 1999 TN_{122}	15.2	X	310.71543	40.25886	119.56346	3.41779	0.1159286	0.28271640	2.2991574	21	—	—
74898 1999 TL_{123}	15.0	X	336.66975	204.13518	162.79665	6.78972	0.1408982	0.26783433	2.3835553	21	10 1.9	17.1
74899 1999 TQ_{123}	15.5	X	349.34835	336.78104	44.85605	5.55090	0.1730252	0.27091230	2.3654670	21	11 22.1	17.3
74900 1999 TO_{124}	15.3	X	53.48643	246.94644	323.38841	9.56476	0.1053531	0.25943036	2.4347564	21	6 22.7	18.2
74901 1999 TP_{124}	16.1	X	215.64315	45.19900	277.82819	5.69409	0.1593004	0.29477830	2.2360030	21	2 4.2	19.7
74902 1999 TS_{124}	15.7	X	131.51250	45.75305	291.76106	4.39158	0.0422374	0.28478136	2.2880298	21	—	—
74903 1999 TT_{124}	15.9	X	90.34928	334.22125	324.13852	6.69478	0.1198704	0.27595210	2.3365778	21	12 14.1	19.3
74904 1999 TV_{124}	15.8	X	90.65302	75.74592	187.86279	9.08995	0.1972223	0.27305360	2.3530840	21	11 8.6	19.4
74905 1999 TQ_{125}	15.7	X	170.21360	37.81079	229.44869	5.32439	0.2240158	0.28335491	2.2957022	21	—	—
74906 1999 TF_{129}	15.6	X	124.68640	169.05387	192.77839	7.25174	0.2138065	0.24187009	2.5512202	21	1 7.3	19.1
74907 1999 TB_{136}	15.7	X	285.67689	169.60423	11.19513	8.57568	0.1148869	0.28235609	2.3011130	21	—	—
74908 1999 TE_{138}	16.2	X	102.30426	265.51537	9.96469	7.06964	0.1014087	0.27302571	2.3532443	21	11 24.2	19.6
74909 1999 TV_{139}	16.2	X	326.38138	322.13145	8.33007	2.56418	0.1924058	0.26288299	2.4133912	21	7 3.5	18.4
74910 1999 TX_{139}	16.1	X	353.84362	270.59463	23.07132	6.38773	0.2093091	0.26244697	2.4160635	21	7 8.4	17.8
74911 1999 TZ_{139}	15.5	X	113.69120	242.48613	24.85225	6.70605	0.0961878	0.27246899	2.3564488	21	11 26.2	18.9
74912 1999 TE_{140}	15.7	X	33.71090	244.56258	13.38473	5.67646	0.1314442	0.26112569	2.4242067	21	8 5.3	18.2
74913 1999 TL_{141}	15.9	X	260.14911	203.52685	29.46953	6.05397	0.1206920	0.28464959	2.2887359	21	—	—
74914 1999 TA_{143}	15.4	X	148.82863	314.31308	285.33545	4.23191	0.1500277	0.27765072	2.3270382	21	11 28.8	19.0
74915 1999 TL_{143}	16.0	X	347.92587	106.14537	330.46684	4.66386	0.1245566	0.27650141	2.3334821	21	—	—
74916 1999 TM_{143}	15.7	X	222.00077	208.00366	242.90051	5.27590	0.0948345	0.26239508	2.4163820	21	8 4.0	19.1
74917 1999 TT_{143}	16.0	X	91.63965	28.59798	237.29110	5.45943	0.1587753	0.27260953	2.3556388	21	11 6.9	19.4
74918 1999 TE_{144}	16.1	X	128.61629	248.27213	49.06445	4.32935	0.2303465	0.28245991	2.3005491	21	—	—
74919 1999 TS_{144}	15.7	X	203.71543	145.04984	191.49563	4.49900	0.1723800	0.29473527	2.2362206	21	2 10.8	19.2
74920 1999 TU_{144}	16.3	X	127.32205	78.45538	10.19028	4.93475	0.1455396	0.29620804	2.2288020	21	4 17.5	19.0
74921 1999 TA_{145}	16.1	X	139.02034	352.89375	273.36245	2.30995	0.2216188	0.27955545	2.3164561	21	12 22.6	19.8
74922 1999 TV_{146}	16.4	X	72.12274	230.62953	67.37520	3.03540	0.2252370	0.27458663	2.3443176	21	12 5.0	19.8
74923 1999 TE_{151}	16.4	X	318.72449	254.32642	188.19902	5.24178	0.1619217	0.27262298	2.3555613	21	12 21.4	18.4
74924 1999 TF_{151}	15.3	X	288.06561	91.22020	48.04865	7.16137	0.0626441	0.27707728	2.3302478	21	—	—
74925 1999 TB_{152}	15.6	X	314.20145	347.10966	82.41510	4.69330	0.1141970	0.27090795	2.3654923	21	11 22.6	17.6
74926 1999 TH_{153}	15.7	X	347.34543	180.03900	311.28047	2.76757	0.0721306	0.28379987	2.2933020	21	—	—
74927 1999 TK_{153}	16.2	X	214.24244	170.33777	180.78751	6.86569	0.1416744	0.25105921	2.4885819	21	3 16.5	20.2
74928 1999 TE_{154}	15.7	X	38.65055	251.53587	55.66922	5.20354	0.2228061	0.27021626	2.3695274	21	11 8.5	18.5
74929 1999 TF_{156}	15.3	X	175.46689	250.43559	113.46264	3.32666	0.1510105	0.24585635	2.5235685	21	2 26.0	19.1
74930 1999 TL_{156}	15.9	X	182.25574	308.36876	29.71003	6.93351	0.1530541	0.29023686	2.2592676	21	1 26.6	19.3
74931 1999 TA_{159}	16.3	X	327.08372	73.50235	225.52621	3.66558	0.1295212	0.26130124	2.4231208	21	5 25.5	18.9
74932 1999 TC_{161}	16.2	X	8.85513	201.16355	322.14055	2.52611	0.0374630	0.29175658	2.2514153	21	1 21.8	18.6
74933 1999 TB_{162}	15.8	X	211.85546	22.72371	84.04007	4.40484	0.1320834	0.26154607	2.4216084	21	8 14.1	19.3
74934 1999 TQ_{166}	14.9	X	264.51899	289.37195	303.63361	6.02270	0.0859502	0.28732607	2.2745005	21	—	—
74935 1999 TC_{172}	16.2	X	276.33525	238.34239	187.07477	2.36109	0.1470618	0.26457446	2.4030941	21	9 3.4	18.8
74936 1999 TD_{172}	16.1	X	263.70940	109.96648	51.76544	7.17912	0.0463646	0.27583258	2.3372528	21	—	—
74937 1999 TO_{172}	16.0	X	285.21503	284.41816	273.98324	5.30862	0.1170434	0.28437396	2.2902145	21	—	—
74938 1999 TC_{174}	15.9	X	215.62491	283.29745	358.30261	7.92218	0.1054276	0.28743887	2.2739054	21	—	—
74939 1999 TO_{174}	15.7	X	48.30519	305.72513	355.54023	4.51916	0.1207035	0.26920944	2.3754316	21	10 26.3	18.5
74940 1999 TX_{174}	15.7	X	200.25030	260.25979	304.11341	3.42675	0.0811898	0.27427174	2.3461116	21	12 12.7	18.7
74941 1999 TB_{175}	16.1	X	350.56212	233.71073	259.36208	3.21508	0.0731222	0.28305740	2.2973105	21	—	—
74942 1999 TO_{177}	15.3	X	296.56148	187.50622	196.31842	5.00225	0.1738440	0.21752839	2.7381596	21	7 28.9	18.7
74943 1999 TW_{177}	16.2	X	280.98004	244.71783	95.52402	2.05699	0.1992348	0.25730589	2.4481399	21	5 4.8	19.7
74944 1999 TN_{178}	16.0	X	235.20172	309.66740	131.71141	3.35091	0.1535288	0.26059981	2.4274669	21	8 2.0	19.5
74945 1999 TV_{178}	16.3	X	317.99106	2.77144	113.85424	3.17701	0.1780380	0.27485381	2.3427982	21	—	—
74946 1999 TA_{179}	15.3	X	114.02140	264.93276	253.15882	3.72590	0.1229352	0.25616795	2.4553846	21	7 6.3	18.6
74947 1999 TB_{181}	15.8	X	173.21720	314.94085	242.51786	3.33503	0.1950112	0.26963761	2.3729162	21	10 26.9	19.6
74948 1999 TJ_{181}	16.2	X	293.98259	187.79188	237.38081	0.73480	0.1653097	0.26880857	2.3777926	21	9 30.9	18.5
74949 1999 TK_{187}	16.4	X	239.26756	336.46906	341.05093	6.92294	0.1175203	0.29534844	2.2331245	21	2 22.7	19.6
74950 1999 TO_{188}	15.2	X	319.60006	253.37349	286.58377	8.86626	0.1093244	0.28554161	2.2839668	21	—	—
74951 1999 TX_{190}	16.1	X	157.93734	346.00905	311.17052	12.08835	0.0706267	0.28246574	2.3005174	21	—	—
74952 1999 TP_{191}	15.9	X	268.99272	85.84064	348.40603	8.61871	0.1732695	0.26432548	2.4046029	21	9 2.2	18.9
74953 1999 TA_{193}	16.3	X	16.94169	138.27625	299.43006	6.52844	0.0904853	0.27912175	2.3188550	21	—	—
74954 1999 TB_{194}	15.6	X	352.43030	37.68008	0.08895	8.78547	0.1431568	0.27159839	2.3614817	21	12 18.9	18.1
74955 1999 TL_{195}	14.8	X	162.58980	251.07992	348.16746	8.14552	0.1762815	0.27375767	2.3490478	21	12 8.9	18.7
74956 1999 TP_{195}	15.7	X	59.87217	189.15532	329.32767	5.33223	0.1137363	0.29366849	2.2416328	21	4 9.3	17.8
74957 1999 TN_{196}	15.5	X	212.80294	42.97207	231.60239	12.94202	0.1266401	0.23912723	2.5706919	21	—	—
74958 1999 TL_{197}	16.3	X	50.09588	12.51307	9.86005	7.32940	0.1161121	0.27694851	2.3309700	21	—	—
74959 1999 TD_{198}	15.2	X	246.12315	272.99719	351.15679	5.33018	0.1472748	0.28672385	2.2776842	21	—	—
74960 1999 TR_{198}	14.4	X	311.08623	298.54357	29.01383	13.75629	0.2323942	0.21363198	2.7713532	21	5 22.3	17.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
74961 1999 TV_{200}	15.5	X	202.26308	77.83281	212.77861	3.80425	0.1567864	0.29240238	2.2480991	21	—	—
74962 1999 TW_{200}	15.9	X	11.56786	29.72384	302.94452	4.20773	0.2518319	0.27199905	2.3591621	21	11 3.7	17.9
74963 1999 TX_{200}	15.8	X	201.07343	67.61991	199.97697	7.30099	0.1029314	0.28861181	2.2677403	21	—	—
74964 1999 TA_{205}	15.7	X	44.47830	340.63800	306.78451	2.29247	0.1822127	0.26670699	2.3902672	21	10 11.5	18.6
74965 1999 TS_{205}	15.6	X	235.00754	198.32345	8.68349	4.86627	0.1045755	0.27713272	2.3299370	21	—	—
74966 1999 TB_{208}	15.2	X	271.18178	171.84736	343.48996	25.83032	0.1381490	0.27555356	2.3388302	21	—	—
74967 1999 TA_{210}	16.2	X	77.20322	313.26181	144.77693	5.05854	0.1059396	0.28931731	2.2640522	21	2 9.8	18.3
74968 1999 TW_{212}	15.7	X	293.34433	247.43769	220.59613	5.49174	0.0761270	0.27378649	2.3488830	21	12 14.4	18.1
74969 1999 TZ_{215}	16.2	X	34.37411	341.43605	118.95078	2.50899	0.0911589	0.28473597	2.2882730	21	—	—
74970 1999 TF_{217}	15.7	X	95.20162	112.40302	51.87549	6.12057	0.0990012	0.30027835	2.2086151	21	6 15.9	18.2
74971 1999 TO_{217}	15.7	X	29.28726	289.62144	188.02752	5.72300	0.0535832	0.28554995	2.2839223	21	—	—
74972 1999 TT_{218}	15.4	X	20.57529	223.73906	19.53097	6.52210	0.0796570	0.25786074	2.4446268	21	6 10.3	18.1
74973 1999 TP_{220}	15.8	X	335.18292	72.69558	334.85620	6.54272	0.0759520	0.27209960	2.3585809	21	11 25.1	18.4
74974 1999 TN_{222}	16.5	X	359.13494	39.55852	19.55198	2.87249	0.1497391	0.27568309	2.3380976	21	—	—
74975 1999 TJ_{231}	16.1	X	78.03054	331.36436	147.48260	8.15232	0.0877224	0.29411830	2.2393468	21	3 12.7	18.3
74976 1999 TG_{232}	15.8	X	59.27323	255.14373	120.60263	9.55972	0.1011420	0.27948662	2.3168364	21	—	—
74977 1999 TC_{233}	14.9	X	243.33887	295.34938	113.48788	14.88640	0.0734742	0.25817239	2.4426591	21	7 7.9	18.1
74978 1999 TY_{234}	15.7	X	334.27750	246.28657	47.25171	10.78347	0.1937428	0.26091799	2.4254930	21	5 19.4	17.8
74979 1999 TP_{236}	15.4	X	303.21083	146.18783	159.39312	6.78083	0.2111887	0.25707341	2.4496156	21	4 15.5	18.6
74980 1999 TT_{236}	15.6	X	136.18707	241.06566	83.78767	6.58621	0.1941183	0.28327908	2.2961119	21	—	—
74981 1999 TB_{240}	15.8	X	328.56838	228.59954	125.33242	4.66988	0.1443857	0.26517339	2.3994742	21	8 23.1	18.0
74982 1999 TJ_{242}	15.7	X	262.95406	308.36585	114.58163	7.33577	0.1668860	0.26228319	2.4170692	21	8 9.7	18.8
74983 1999 TP_{242}	15.8	X	195.48307	309.84347	91.22223	7.01397	0.0685063	0.29764942	2.2216008	21	4 29.9	18.7
74984 1999 TW_{248}	15.4	X	84.55162	236.26002	184.58028	7.01375	0.0790116	0.28449876	2.2895447	21	—	—
74985 1999 TD_{251}	14.2	X	281.19373	250.85028	349.59171	12.32852	0.1368036	0.24300042	2.5433026	21	1 8.9	18.2
74986 1999 TZ_{251}	16.3	X	85.42456	296.01382	138.73934	8.65808	0.0996793	0.28894671	2.2659877	21	1 19.5	18.5
74987 1999 TZ_{253}	15.3	X	34.05607	354.66227	278.71934	10.74547	0.1640310	0.26566816	2.3964942	21	8 26.7	18.0
74988 1999 TN_{258}	16.8	X	300.34911	329.85812	329.80496	3.38865	0.1026571	0.30231097	2.1987040	21	4 11.5	19.3
74989 1999 TO_{262}	15.8	X	103.34221	70.27451	314.59460	5.76355	0.1048593	0.28698317	2.2763119	21	—	—
74990 1999 TO_{264}	15.6	X	23.14855	236.59183	50.87040	7.45098	0.0956366	0.26496809	2.4007135	21	8 28.9	18.3
74991 1999 TD_{269}	16.0	X	282.38992	202.57092	253.44455	6.31380	0.0674135	0.27177349	2.3604673	21	11 9.2	18.7
74992 1999 TT_{269}	15.7	X	66.84910	51.05069	239.98984	6.10170	0.1085251	0.27136259	2.3628495	21	11 5.2	18.7
74993 1999 TU_{270}	16.0	X	122.78949	178.57667	276.22779	6.21393	0.0970383	0.29556880	2.2320144	21	4 10.8	18.8
74994 1999 TH_{271}	15.8	X	193.93645	2.19196	302.19438	5.35733	0.2239797	0.28935193	2.2638716	21	—	—
74995 1999 TQ_{271}	15.4	X	151.60441	279.04663	322.92922	5.99663	0.0853660	0.27521703	2.3407365	21	12 5.3	18.8
74996 1999 TV_{271}	15.4	X	340.20552	24.08379	289.66121	5.76140	0.1403312	0.26305429	2.4123434	21	7 12.4	17.6
74997 1999 TP_{274}	16.7	X	80.27169	37.01753	290.09353	2.72210	0.1568988	0.28051149	2.3111898	21	—	—
74998 1999 TV_{276}	15.2	X	201.77499	255.77446	281.84907	1.99786	0.3072779	0.27017667	2.3697588	21	10 19.6	19.3
74999 1999 TM_{278}	15.0	X	127.71321	180.74490	36.73152	7.30288	0.0637614	0.26493748	2.4008984	21	10 8.3	18.2
75000 1999 TM_{279}	15.6	X	357.47376	236.61898	183.87420	4.27421	0.0997674	0.27743457	2.3282467	21	—	—
75001 1999 TX_{283}	15.2	X	56.98166	127.39937	79.01868	7.29258	0.0983593	0.25573327	2.4581661	21	6 20.8	17.9
75002 1999 TM_{285}	16.1	X	87.78388	9.12417	96.49546	4.39670	0.1809634	0.24500334	2.5294225	21	4 2.5	19.1
75003 1999 TO_{286}	15.3	X	202.12868	288.03431	269.09501	4.86898	0.1679749	0.27462746	2.3440853	21	11 25.5	18.6
75004 1999 TQ_{291}	15.8	X	47.35602	140.32608	78.92934	5.85897	0.1225331	0.30100528	2.2050578	21	6 26.9	17.6
75005 1999 TZ_{297}	15.9	X	247.74632	185.68466	268.12424	5.55988	0.0875197	0.26601537	2.3944084	21	9 9.9	19.1
75006 1999 TX_{308}	16.0	X	236.58126	8.58562	41.50792	0.61392	0.2152584	0.26286305	2.4135133	21	6 16.7	19.6
75007 1999 TU_{320}	15.5	X	169.45443	103.82347	351.81390	4.24910	0.0767781	0.25548351	2.4597679	21	6 12.3	19.1
75008 1999 TE_{328}	16.1	X	133.85437	71.20611	288.99271	6.12010	0.1330282	0.28587686	2.2821808	21	—	—
75009 Peterveres	16.7	X	255.75940	56.23226	36.43281	7.02815	0.0973501	0.26504169	2.4002690	21	9 23.9	19.6
75010 1999 UP	15.5	X	36.33202	116.22868	198.78031	6.35099	0.1303912	0.26983328	2.3717689	21	11 1.3	18.3
75011 1999 UQ_{1}	14.8	X	30.97536	13.16622	52.38334	7.38057	0.0881592	0.27824992	2.3236962	21	—	—
75012 1999 UO_{3}	15.2	X	295.63225	161.79846	201.94923	5.80924	0.1354344	0.26047731	2.4282280	21	7 6.3	18.0
75013 1999 UJ_{4}	16.0	X	274.87627	209.36693	183.42001	8.59587	0.2079413	0.26260148	2.4151157	21	7 5.6	19.3
75014 1999 UO_{4}	16.0	X	36.53853	121.77053	319.19639	3.51451	0.1405804	0.28151208	2.3057100	21	—	—
75015 1999 UW_{4}	16.3	X	203.35005	3.07315	345.81372	2.92368	0.2506792	0.29845521	2.2176003	21	2 28.8	20.0
75016 1999 UC_{5}	15.5	X	260.52756	175.82027	198.16129	1.53127	0.1839066	0.25826215	2.4420931	21	5 28.1	18.9
75017 1999 UE_{5}	15.4	X	10.30794	98.73910	347.01316	22.65489	0.2909464	0.27628664	2.3346912	21	—	—
75018 1999 UL_{5}	14.0	X	327.97269	202.25122	296.02851	32.44815	0.1782969	0.23160805	2.6260336	21	—	—
75019 1999 UZ_{7}	15.6	X	214.16251	13.43327	54.94730	5.63777	0.0779237	0.25708376	2.4495499	21	6 28.2	19.0
75020 1999 UM_{8}	15.8	X	210.31693	65.01506	44.10075	0.90528	0.2210028	0.25892464	2.4379257	21	8 8.1	19.7
75021 1999 UO_{8}	16.0	X	292.65038	119.16209	227.64966	1.49030	0.2063625	0.25952338	2.4341746	21	5 27.0	18.8
75022 1999 UP_{8}	16.2	X	342.80621	47.64144	15.95260	2.14378	0.2004671	0.27229648	2.3574439	21	—	—
75023 1999 UH_{9}	15.5	X	291.95992	192.84755	229.54553	1.74374	0.1779096	0.26554613	2.3972283	21	9 19.8	17.9
75024 1999 UA_{14}	15.8	X	269.97124	336.85144	88.31757	3.60691	0.1736864	0.26385724	2.4074468	21	8 22.1	18.8
75025 1999 UJ_{14}	15.9	X	303.06017	220.44551	143.22046	3.38372	0.1956593	0.26300713	2.4126317	21	7 8.8	18.4
75026 1999 UT_{14}	16.1	X	350.94823	259.63842	69.54393	3.07043	0.1633011	0.26532947	2.3985331	21	9 2.4	18.1
75027 1999 UG_{17}	16.3	X	317.73500	171.61318	359.35356	7.93342	0.0303573	0.28813461	2.2702435	21	—	—
75028 1999 US_{17}	16.3	X	12.91632	245.51639	52.38794	2.77760	0.1251787	0.26561988	2.3967846	21	8 26.8	18.5
75029 1999 UR_{20}	16.6	X	71.48183	122.82275	38.14790	6.51601	0.0731336	0.29871099	2.2163342	21	4 30.1	18.7
75030 1999 UQ_{23}	15.4	X	359.27895	87.81810	332.44014	6.54033	0.0785330	0.27743254	2.3282581	21	—	—
75031 1999 UX_{23}	16.1	X	220.05543	165.17532	321.08507	5.17098	0.0056727	0.31268405	2.1498042	21	10 6.4	18.5
75032 1999 UT_{24}	15.7	X	89.15403	196.03489	243.74017	6.50813	0.0621083	0.28942667	2.2634819	21	1 26.2	18.2
75033 1999 UU_{24}	15.7	X	107.11667	199.15190	258.57910	4.49011	0.1177140	0.29316781	2.2441843	21	3 28.5	18.2
75034 1999 UV_{25}	15.7	X	77.28437	273.04066	16.29822	3.10490	0.1478289	0.27247086	2.3564379	21	11 20.3	19.1
75035 1999 UY_{25}	15.3	X	255.24482	237.44460	232.62160	6.00489	0.0861445	0.26872676	2.3782752	21	10 15.4	18.1
75036 1999 UD_{26}	14.9	X	335.01152	258.41543	11.18448	13.55414	0.0999906	0.25608977	2.4558842	21	4 25.5	17.9
75037 1999 UG_{28}	16.0	X	114.44736	294.51412	48.61363	3.90001	0.2799094	0.23873628	2.5734976	21	—	—
75038 1999 UB_{31}	16.3	X	315.96664	259.28685	70.53720	2.37193	0.1897500	0.26238981	2.4164144	21	6 11.2	18.7
75039 1999 UC_{32}	16.1	X	323.21817	59.92707	51.07380	1.96570	0.1574018	0.27572693	2.3378497	21	—	—
75040 1999 UP_{33}	16.0	X	57.16068	69.80096	215.07472	9.19276	0.0396384	0.26667636	2.3904502	21	10 2.3	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
75041 1999 UB_{38}	16.3	X	355.52937	197.84163	319.15739	2.91757	0.0589183	0.29059482	2.2574119	21	—	—
75042 1999 UQ_{38}	15.6	X	110.76432	107.79587	263.20667	4.96031	0.1623307	0.28508757	2.2863911	21	—	—
75043 1999 UE_{39}	15.1	X	73.82076	337.77903	354.60604	6.64479	0.1282475	0.27559649	2.3385873	21	—	—
75044 1999 UG_{42}	15.5	X	318.41132	205.53668	210.77958	8.85584	0.1860990	0.26782117	2.3836333	21	11 7.5	17.2
75045 1999 UK_{43}	14.9	X	109.95434	300.66948	311.07651	6.56218	0.0870035	0.26965742	2.3728000	21	10 30.2	18.4
75046 1999 UM_{43}	16.2	X	81.60538	79.98711	298.34037	4.98179	0.1400210	0.28156133	2.3054412	21	—	—
75047 1999 UD_{44}	15.5	X	328.74525	298.38234	284.50835	4.81494	0.1188465	0.29197269	2.2503042	21	2 1.4	18.1
75048 1999 UM_{46}	15.4	X	62.83692	25.73412	278.16282	5.83472	0.1366559	0.27097431	2.3651061	21	11 20.9	18.7
75049 1999 UX_{46}	15.5	X	63.38603	51.54017	282.81739	9.55025	0.2548181	0.27578547	2.3375189	21	—	—
75050 1999 UN_{47}	15.8	X	132.22872	18.60975	329.24182	5.15877	0.2686702	0.24112854	2.5564480	21	1 7.6	19.4
75051 1999 UN_{48}	15.8	X	18.99465	270.35762	109.17620	4.04056	0.1656350	0.27220382	2.3579788	21	—	—
75052 1999 UM_{50}	15.1	X	127.23591	61.69118	98.21625	6.13236	0.1856101	0.25579364	2.4577793	21	7 30.7	18.9
75053 1999 UH_{54}	15.4	X	237.01056	311.40375	283.37930	4.18214	0.0656155	0.23647425	2.5898830	21	—	—
75054 1999 UQ_{57}	15.8	X	147.30290	241.79420	70.88937	6.28852	0.1869094	0.28494233	2.2871680	21	—	—
75055 1999 VX_{2}	14.6	X	99.16585	143.67985	264.27060	6.17574	0.0887991	0.28453531	2.2893487	21	1 3.4	17.0
75056 1999 VJ_{4}	15.6	X	40.11696	348.01268	66.87485	5.99968	0.1300238	0.28056062	2.3109200	21	—	—
75057 1999 VR_{4}	15.1	X	355.51990	2.55159	66.87532	12.57624	0.1577566	0.22940951	2.6427846	21	—	—
75058 Hanau	16.1	X	111.91234	358.54444	30.83636	2.87648	0.0615089	0.23909117	2.5709503	21	1 5.6	19.5
75059 1999 VU_{5}	14.9	X	359.47692	309.95777	68.01971	11.00624	0.0939231	0.26876831	2.3780301	21	11 26.1	17.3
75060 1999 VJ_{6}	14.7	X	80.14034	7.43818	74.02293	5.34397	0.1049280	0.28530863	2.2852100	21	1 23.7	17.0
75061 1999 VK_{7}	15.5	X	74.70241	49.89349	63.70509	5.51515	0.1383932	0.24365177	2.5387679	21	3 17.9	18.4
75062 1999 VZ_{7}	15.3	X	259.93569	138.02721	241.47807	5.06026	0.1067777	0.25575476	2.4580284	21	6 13.9	18.7
75063 Koestler	15.1	X	283.06720	252.56857	193.59057	5.91392	0.1122033	0.26669248	2.3903539	21	10 21.7	17.7
75064 1999 VF_{10}	14.9	X	17.62411	290.66693	87.15092	12.46583	0.2943494	0.22674554	2.6634439	21	—	—
75065 1999 VO_{10}	15.2	X	357.95212	110.20453	260.22817	5.92819	0.1457474	0.26753698	2.3853210	21	11 17.6	17.5
75066 1999 VK_{11}	15.8	X	7.75889	103.91133	243.78001	1.12972	0.2268403	0.26832029	2.3806765	21	11 15.7	17.8
75067 1999 VN_{12}	15.2	X	329.65190	274.88160	97.20789	2.97624	0.1623125	0.26534941	2.3984130	21	9 24.1	17.1
75068 1999 VR_{13}	15.1	X	22.79603	334.30501	23.42640	26.94727	0.2118864	0.22643293	2.6658947	21	12 4.2	18.8
75069 1999 VW_{17}	16.6	X	354.24088	252.14455	246.14737	4.50240	0.0922785	0.28436556	2.2902596	21	—	—
75070 1999 VX_{17}	16.2	X	310.69551	296.30684	247.52651	4.82584	0.0993731	0.28522249	2.2856700	21	—	—
75071 1999 VB_{19}	15.8	X	296.72181	94.00451	256.34767	6.47988	0.2307124	0.25857071	2.4401498	21	6 2.7	18.8
75072 Timerskine	15.1	X	259.61258	148.43508	51.95297	6.14483	0.0815033	0.28004343	2.3137643	21	—	—
75073 1999 VK_{21}	14.6	X	137.02927	150.40248	326.92774	5.51773	0.1750354	0.24458223	2.5323251	21	6 12.7	18.6
75074 1999 VU_{21}	15.2	X	109.14988	158.49466	81.67099	7.09658	0.0733938	0.26587155	2.3952718	21	10 18.8	18.5
75075 1999 VB_{22}	15.4	X	269.09937	100.17350	210.12124	0.83312	0.0548963	0.25058523	2.4917190	21	3 30.3	18.6
75076 1999 VE_{22}	15.7	X	4.75128	235.34731	58.15149	4.87713	0.0773145	0.30291752	2.1957680	21	8 2.9	17.8
75077 1999 VP_{22}	15.5	X	55.39250	83.45544	326.46940	3.33004	0.2486790	0.28088009	2.3091674	21	—	—
75078 1999 VG_{23}	15.9	X	42.09263	86.61270	258.28217	4.44332	0.2298143	0.27363380	2.3497567	21	—	—
75079 1999 VN_{24}	13.8	X	22.32256	287.03453	176.15894	23.00827	0.2945082	0.27956780	2.3163879	21	—	—
75080 1999 VP_{24}	15.3	X	161.41043	23.37256	280.54427	7.65016	0.2250951	0.28565307	2.2833726	21	—	—
75081 1999 VC_{25}	15.2	X	212.92951	316.99759	102.35516	6.21605	0.1785359	0.25398597	2.4694272	21	6 9.5	19.1
75082 1999 VF_{26}	15.9	X	295.41686	138.11498	227.68592	1.59784	0.2197694	0.26091713	2.4254983	21	6 25.1	18.5
75083 1999 VV_{26}	15.4	X	287.00247	75.91097	266.99843	1.42840	0.2075008	0.25725792	2.4484442	21	5 13.6	18.7
75084 1999 VX_{26}	15.6	X	289.26223	279.07589	68.52273	3.65295	0.2090938	0.25806924	2.4433099	21	5 23.2	18.8
75085 1999 VC_{28}	15.7	X	25.95056	71.72527	249.69251	1.74712	0.1679438	0.26756851	2.3851336	21	10 29.7	18.2
75086 1999 VU_{28}	15.7	X	349.83492	30.83575	325.66727	0.65855	0.1994449	0.26703748	2.3882947	21	10 15.9	17.3
75087 1999 VY_{28}	15.8	X	33.96106	215.91429	237.41574	5.70445	0.0625043	0.28204835	2.3027865	21	—	—
75088 1999 VV_{29}	15.4	X	322.55380	43.82700	351.73364	0.68183	0.1889548	0.26670235	2.3902949	21	10 12.7	17.3
75089 1999 VY_{30}	15.7	X	327.76424	36.32257	52.53145	5.74895	0.1970166	0.27175873	2.3605528	21	—	—
75090 1999 VP_{31}	16.3	X	65.54064	339.12034	241.64679	2.48361	0.1023789	0.30262944	2.1971612	21	7 27.1	18.5
75091 1999 VL_{33}	15.5	X	20.02508	155.61939	235.56484	1.47067	0.1061892	0.22760293	2.6567508	21	—	—
75092 1999 VG_{34}	16.0	X	30.00062	14.77277	56.05802	7.74359	0.0958011	0.27815727	2.3242122	21	—	—
75093 1999 VA_{35}	15.2	X	286.12795	298.13138	58.68894	6.90115	0.1910439	0.25807387	2.4432807	21	6 3.2	18.4
75094 1999 VD_{35}	14.8	X	66.81142	181.30041	60.80972	6.95476	0.1122738	0.25857881	2.4400989	21	9 2.7	17.9
75095 1999 VT_{36}	15.2	X	264.76123	60.59407	70.67776	7.19295	0.0561916	0.26904253	2.3764140	21	12 3.6	17.8
75096 1999 VW_{36}	14.7	X	141.28350	73.26054	64.01070	8.75609	0.1202954	0.25286840	2.4766977	21	7 10.1	18.4
75097 1999 VO_{37}	15.2	X	54.04617	355.73991	67.60583	15.44468	0.0602763	0.23414176	2.6070546	21	—	—
75098 1999 VK_{38}	16.0	X	327.65487	283.02431	39.06650	3.83744	0.1998093	0.26222712	2.4174137	21	6 20.7	18.1
75099 1999 VA_{41}	17.0	X	157.08847	151.54363	18.10408	2.79402	0.1386192	0.26259030	2.4151842	21	9 8.7	20.7
75100 1999 VF_{43}	15.9	X	26.48722	146.57274	74.93516	6.09812	0.1798451	0.29675219	2.2260765	21	5 23.0	17.2
75101 1999 VE_{45}	15.7	X	327.83390	222.73953	247.66210	5.68946	0.0777028	0.27761422	2.3272421	21	—	—
75102 1999 VX_{46}	15.5	X	190.39714	268.75146	54.32554	10.04251	0.2315222	0.28922622	2.2645276	21	1 20.4	19.3
75103 1999 VL_{49}	14.9	X	186.08974	270.82603	349.74077	2.98914	0.0565541	0.27872557	2.3210518	21	—	—
75104 1999 VQ_{49}	15.0	X	71.92806	240.73909	41.23765	8.81381	0.2841491	0.27002320	2.3706567	21	11 19.2	18.7
75105 1999 VP_{51}	16.2	X	347.63908	357.55421	15.77012	5.73272	0.1717097	0.26831057	2.3807339	21	11 3.7	18.1
75106 1999 VL_{52}	15.1	X	118.14913	80.48668	285.55664	2.96986	0.0667911	0.23630076	2.5911505	21	—	—
75107 1999 VW_{54}	15.8	X	23.86834	247.56026	40.04042	4.21714	0.1240657	0.26364136	2.4087609	21	8 31.9	18.3
75108 1999 VJ_{55}	15.6	X	108.57372	130.19307	26.19280	2.77520	0.1217405	0.25432558	2.4672284	21	6 27.6	18.9
75109 1999 VQ_{55}	16.2	X	49.39857	305.01923	35.92224	0.86374	0.2330071	0.27450481	2.3447835	21	—	—
75110 1999 VH_{56}	15.4	X	59.25440	236.97065	47.42864	7.69364	0.0973094	0.26726081	2.3869640	21	10 17.7	18.3
75111 1999 VJ_{56}	16.1	X	303.87678	223.42920	208.45558	5.37065	0.1559152	0.26876614	2.3780429	21	11 2.1	17.9
75112 1999 VN_{56}	15.2	X	333.23343	345.67148	47.07262	7.19823	0.0973642	0.26883802	2.3776190	21	11 2.5	17.3
75113 1999 VZ_{57}	15.3	X	45.60038	67.09094	54.08351	6.22255	0.1037501	0.28629753	2.2799447	21	1 20.0	17.4
75114 1999 VJ_{58}	14.9	X	256.51545	195.00354	55.23720	4.55179	0.1300579	0.28564716	2.2834041	21	—	—
75115 1999 VR_{58}	16.0	X	93.43852	297.25653	51.05708	5.28118	0.1889034	0.27933936	2.3176506	21	—	—
75116 1999 VM_{60}	16.2	X	49.63223	275.35830	208.54392	2.06043	0.1447485	0.28772336	2.2724062	21	1 29.6	17.9
75117 1999 VN_{60}	15.4	X	72.27161	2.69738	188.01974	1.85392	0.0864811	0.30032456	2.2083885	21	6 19.1	17.6
75118 1999 VP_{60}	15.5	X	21.56071	131.79988	162.83544	1.30232	0.1576902	0.26435989	2.4043942	21	9 10.1	17.8
75119 1999 VU_{60}	15.8	X	94.32319	341.58191	50.60137	7.65441	0.1151111	0.28399514	2.2922507	21	—	—
75120 1999 VW_{60}	15.4	X	51.61023	77.59701	52.39497	7.50876	0.0359433	0.29025545	2.2591711	21	2 12.4	18.0

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
75121	1999 VP_{62}	15.4	X	113.01935	176.49120	60.95559	0.71092	0.1629761	0.26708920	2.3879863	21	10 23.3	18.8
75122	1999 VU_{63}	16.5	X	103.42417	154.32538	230.63992	0.52224	0.0563855	0.28371989	2.2937330	21	—	—
75123	1999 VH_{64}	15.5	X	181.99491	59.00367	67.44019	3.00134	0.1323748	0.25849025	2.4406562	21	8 8.3	19.2
75124	1999 VR_{64}	15.0	X	8.29487	121.96523	66.71021	2.84118	0.0431116	0.24616529	2.5214567	21	3 7.5	17.9
75125	1999 VY_{64}	15.9	X	326.60157	46.11888	51.61082	6.32830	0.0731716	0.27457594	2.3443785	21	—	—
75126	1999 VU_{65}	15.4	X	234.28748	36.38484	224.65036	17.53722	0.1711232	0.23997789	2.5646133	21	—	—
75127	1999 VP_{66}	15.7	X	54.93900	151.54726	222.86365	6.06097	0.1181653	0.27663636	2.3327232	21	—	—
75128	1999 VW_{66}	16.3	X	190.08098	114.46683	225.46538	5.77715	0.2414099	0.24577736	2.5241091	21	2 10.7	20.8
75129	1999 VP_{69}	15.6	X	358.35688	250.04900	41.87486	1.88256	0.1603353	0.26098662	2.4250678	21	7 16.9	17.4
75130	1999 VE_{71}	15.1	X	338.06444	223.43221	228.56729	12.75716	0.1268586	0.22878253	2.6476108	21	—	—
75131	1999 VH_{71}	15.9	X	216.84507	213.45410	207.38969	2.08569	0.1629085	0.25562618	2.4588526	21	6 15.6	19.6
75132	1999 VK_{71}	15.8	X	33.59706	114.57934	48.94252	4.58496	0.0669288	0.24637306	2.5200389	21	3 11.9	18.7
75133	1999 VT_{74}	16.4	X	357.17344	164.52462	148.84759	2.64102	0.2018683	0.26591593	2.3950053	21	8 21.5	18.0
75134	1999 VR_{77}	15.7	X	35.43123	225.36369	306.80955	2.38120	0.0670565	0.29285982	2.2457575	21	3 15.1	18.0
75135	1999 VT_{77}	15.7	X	21.52847	288.22141	14.57945	3.71842	0.2043748	0.26509043	2.3999748	21	9 30.8	17.9
75136	1999 VF_{79}	16.0	X	106.45601	278.92366	21.55850	5.94145	0.0763090	0.27495995	2.3421952	21	12 31.8	19.4
75137	1999 VW_{79}	16.2	X	345.18694	124.38500	0.70448	2.89760	0.0954117	0.28044348	2.3115634	21	—	—
75138	1999 VT_{80}	15.4	X	31.59521	204.87982	183.68821	6.60694	0.1295430	0.27437121	2.3455446	21	—	—
75139	1999 VD_{83}	16.4	X	9.79671	243.96647	23.04186	7.09005	0.1869887	0.26056498	2.4276832	21	7 3.4	18.4
75140	1999 VM_{83}	16.3	X	116.02457	136.99945	330.27288	2.09046	0.0916425	0.29582538	2.2307236	21	4 20.9	18.9
75141	1999 VZ_{84}	16.8	X	277.42615	133.41978	136.90564	0.23224	0.1236680	0.29219333	2.2491712	21	2 1.6	19.9
75142	1999 VR_{87}	16.3	X	84.78956	257.14019	171.79944	4.94462	0.1348751	0.28665322	2.2780583	21	1 14.6	18.5
75143	1999 VF_{90}	15.7	X	261.26003	283.43899	212.28219	8.19395	0.1527939	0.27178489	2.3604013	21	11 21.2	18.4
75144	1999 VO_{91}	15.6	X	19.49808	181.04501	41.46296	6.69014	0.0973527	0.25365166	2.4715965	21	5 9.1	18.0
75145	1999 VJ_{93}	15.8	X	214.46227	105.90373	29.29695	4.84805	0.1499226	0.26592008	2.3949804	21	9 22.3	19.4
75146	1999 VE_{94}	15.8	X	271.95873	225.45185	37.34850	7.39889	0.1745374	0.29332769	2.2433688	21	1 14.5	19.3
75147	1999 VD_{95}	16.6	X	56.36912	10.25208	36.30594	4.51965	0.1073887	0.28147595	2.3059073	21	—	—
75148	1999 VN_{95}	16.0	X	38.60242	264.22953	46.48600	3.17415	0.1701415	0.26994896	2.3710913	21	11 4.4	18.6
75149	1999 VM_{96}	16.5	X	340.34428	193.48307	45.62954	5.48229	0.0886107	0.29647887	2.2274445	21	3 22.6	18.8
75150	1999 VU_{98}	15.7	X	17.18345	125.26463	52.49329	4.22756	0.1051650	0.29099374	2.2553483	21	2 21.3	17.8
75151	1999 VY_{100}	15.5	X	29.62165	210.63830	52.10748	2.02004	0.1640599	0.25947465	2.4344794	21	8 8.3	17.7
75152	1999 VP_{105}	16.3	X	359.60089	133.85559	52.08990	3.72792	0.1593157	0.28787649	2.2716003	21	1 24.8	18.5
75153	1999 VT_{106}	16.1	X	336.21171	184.76851	59.86526	5.86403	0.1438886	0.29421580	2.2388520	21	3 16.3	18.5
75154	1999 VU_{108}	16.3	X	108.59430	278.57992	231.47651	3.25236	0.1358284	0.25071612	2.4908517	21	6 20.7	19.7
75155	1999 VX_{108}	16.5	X	181.68317	98.92681	30.89120	1.86882	0.1268290	0.25751583	2.4468091	21	8 12.2	20.2
75156	1999 VN_{109}	16.1	X	273.71859	163.32916	72.42486	4.39951	0.0831709	0.28392927	2.2926052	21	—	—
75157	1999 VP_{109}	16.7	X	295.83812	198.05626	252.89853	0.58964	0.1439606	0.26792824	2.3829983	21	11 15.8	18.8
75158	1999 VU_{111}	15.0	X	320.28200	84.15074	66.59988	15.02296	0.0390402	0.23279299	2.6171148	21	—	—
75159	1999 VZ_{112}	15.2	X	6.34105	261.40731	248.14052	12.01723	0.1322295	0.23657041	2.5891811	21	—	—
75160	1999 VX_{113}	15.9	X	83.87854	71.38518	290.23473	5.80299	0.1325787	0.28062326	2.3105761	21	—	—
75161	1999 VH_{115}	15.5	X	51.63055	124.62371	260.91986	11.42094	0.1795890	0.23328043	2.6134679	21	—	—
75162	1999 VK_{116}	15.9	X	144.76153	200.46960	104.56662	2.87456	0.1321049	0.23395990	2.6084055	21	—	—
75163	1999 VG_{119}	16.2	X	98.80361	14.22509	337.21501	2.56230	0.0814848	0.28079967	2.3096082	21	—	—
75164	1999 VN_{119}	15.7	X	4.54720	20.50195	303.49880	1.86370	0.1904504	0.26698827	2.3885881	21	9 25.2	17.5
75165	1999 VQ_{121}	16.1	X	119.45332	233.82865	36.24932	4.07930	0.1027695	0.22788657	2.6545458	21	11 29.9	20.2
75166	1999 VH_{124}	15.8	X	156.65136	302.22768	225.08456	5.64738	0.0614278	0.26302697	2.4125104	21	8 31.6	19.3
75167	1999 VF_{128}	16.0	X	332.86274	298.23134	233.78283	4.29487	0.1595586	0.28370917	2.2937908	21	—	—
75168	1999 VF_{129}	15.8	X	192.78679	266.19706	269.96188	3.52673	0.1691914	0.26850180	2.3796034	21	10 18.7	19.5
75169	1999 VR_{135}	16.0	X	274.51612	179.21691	246.50900	4.60758	0.1182910	0.26445265	2.4038320	21	9 3.8	18.8
75170	1999 VC_{138}	15.6	X	241.59104	190.61392	320.74492	6.77296	0.0440637	0.27285232	2.3542412	21	11 29.6	18.6
75171	1999 VB_{143}	16.1	X	218.19410	197.28855	27.23146	6.25855	0.0929134	0.27897345	2.3196767	21	—	—
75172	1999 VT_{144}	15.2	X	197.33184	64.53386	304.67249	12.21221	0.2323105	0.25128556	2.4870873	21	3 18.4	19.7
75173	1999 VA_{148}	15.6	X	182.93403	200.04065	60.74835	7.72532	0.0870490	0.27856537	2.3219416	21	—	—
75174	1999 VX_{148}	15.7	X	184.61633	108.74864	223.46902	8.95694	0.1129364	0.24189293	2.5510596	21	1 21.7	19.7
75175	1999 VF_{152}	16.0	X	202.53762	58.12765	62.67648	7.74583	0.0628570	0.26086652	2.4258121	21	8 30.6	19.4
75176	1999 VV_{155}	15.8	X	251.00708	283.10041	43.84476	2.62589	0.0630610	0.20312099	2.8661540	21	4 4.3	20.0
75177	1999 VY_{156}	14.6	X	240.48740	205.54910	63.62097	15.43134	0.1787679	0.23925810	2.5697544	21	—	—
75178	1999 VQ_{157}	15.9	X	16.46437	220.24688	227.38764	8.35034	0.1574001	0.28068951	2.3102125	21	—	—
75179	1999 VA_{158}	15.6	X	226.88774	59.59036	29.67555	1.94626	0.0886914	0.26037255	2.4288792	21	8 11.2	18.9
75180	1999 VF_{158}	16.1	X	41.12923	93.99578	41.73744	4.91442	0.1547078	0.24149966	2.5538283	21	2 17.1	18.5
75181	1999 VW_{158}	15.6	X	320.64979	164.66876	18.41758	6.00843	0.0971661	0.28478213	2.2880257	21	—	—
75182	1999 VC_{159}	16.1	X	45.22478	329.95152	349.30469	2.15733	0.2158062	0.27153501	2.3618492	21	12 1.4	19.2
75183	1999 VB_{160}	15.9	X	14.23904	338.67184	343.50996	0.85852	0.1969872	0.26849066	2.3796693	21	10 15.1	17.9
75184	1999 VF_{160}	15.9	X	318.38169	68.83278	16.09018	3.00452	0.1260721	0.27301625	2.3532987	21	12 23.7	17.9
75185	1999 VQ_{160}	15.8	X	25.90279	241.61084	19.73619	6.69245	0.0676498	0.25948904	2.4343893	21	7 19.1	18.6
75186	1999 VX_{160}	16.1	X	322.31505	294.83096	26.53766	2.44839	0.2153437	0.25983184	2.4322477	21	6 5.4	18.2
75187	1999 VU_{161}	16.3	X	13.44276	76.48192	23.29341	5.45228	0.0822440	0.28045047	2.3115250	21	—	—
75188	1999 VB_{162}	15.8	X	351.27486	258.65530	272.39938	3.95894	0.0414736	0.28712637	2.2755550	21	1 6.9	18.2
75189	1999 VQ_{168}	16.4	X	304.52346	126.97445	303.25085	1.66274	0.1445057	0.26707426	2.3880754	21	10 31.3	18.7
75190	1999 VD_{169}	15.8	X	319.75967	334.27225	34.95370	1.98164	0.1966616	0.26360810	2.4089635	21	8 22.5	17.8
75191	1999 VE_{170}	16.2	X	255.90119	150.81463	338.83725	2.08532	0.1534098	0.26668476	2.3904000	21	11 1.9	19.2
75192	1999 VG_{171}	15.9	X	43.92514	23.04175	316.38246	1.75722	0.2068958	0.27079193	2.3661680	21	12 25.2	18.9
75193	1999 VN_{171}	15.6	X	108.33032	296.33908	45.34457	6.01548	0.2218036	0.28010568	2.3134215	21	—	—
75194	1999 VQ_{171}	15.9	X	276.53904	293.84543	44.42050	7.75777	0.2383996	0.25535284	2.4606070	21	4 22.7	19.5
75195	1999 VJ_{173}	15.9	X	128.86157	33.54049	76.76427	4.88210	0.0741265	0.25115701	2.4879358	21	5 15.2	19.3
75196	1999 VK_{173}	15.8	X	319.59075	256.04681	61.92237	9.39160	0.2724983	0.26073439	2.4266315	21	5 15.9	18.4
75197	1999 VQ_{173}	15.8	X	89.25498	48.19645	69.23096	5.54441	0.1199309	0.24613432	2.5216682	21	4 10.9	18.9
75198	1999 VR_{173}	16.8	X	278.34666	343.83370	106.82345	2.28317	0.1448155	0.26675426	2.3899848	21	10 15.9	19.2
75199	1999 VK_{176}	16.2	X	241.52953	329.07914	125.80777	4.76362	0.1665136	0.26147207	2.4220653	21	8 27.1	19.5
75200	1999 VG_{177}	15.5	X	88.03959	264.03845	107.56671	7.07257	0.1902581	0.28062443	2.3105697	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
75201 1999 VC_{178}	15.7	X	325.00017	44.20880	65.32634	6.15349	0.2058591	0.27592553	2.3367278	21	—	—
75202 1999 VV_{178}	15.6	X	329.37609	343.25972	130.28169	6.93341	0.2013615	0.27571822	2.3378990	21	—	—
75203 1999 VL_{183}	15.4	X	332.67320	133.60117	50.06481	7.58794	0.1106886	0.28703157	2.2760560	21	—	—
75204 1999 VC_{184}	15.4	X	145.61306	358.05356	100.87794	3.19661	0.0112263	0.20721620	2.8282660	21	5 16.8	19.2
75205 1999 VQ_{184}	15.8	X	144.43128	255.66799	64.69384	6.22310	0.1883302	0.28401506	2.2921435	21	—	—
75206 1999 VY_{184}	15.4	X	275.32051	330.50681	185.89326	6.20485	0.0842484	0.27604792	2.3360371	21	—	—
75207 1999 VR_{188}	14.7	X	210.23339	139.68857	77.92995	10.01997	0.1150682	0.22846427	2.6500690	21	12 28.0	18.5
75208 1999 VE_{191}	16.5	X	332.06387	150.38377	38.73924	4.92313	0.0731029	0.28726468	2.2748245	21	—	—
75209 1999 VM_{192}	15.2	X	119.36187	253.71977	353.86823	6.56765	0.0592923	0.26919169	2.3755360	21	11 3.3	18.4
75210 1999 VP_{192}	16.0	X	96.24253	110.64707	276.91117	6.21514	0.1123783	0.28494398	2.2871592	21	—	—
75211 1999 VD_{193}	15.7	X	252.51329	209.27922	248.58707	6.31666	0.1142213	0.26530529	2.3986788	21	9 17.6	18.9
75212 1999 VK_{201}	15.9	X	318.25576	115.99218	335.21674	6.65987	0.1376425	0.27338062	2.3512072	21	—	—
75213 1999 VD_{202}	15.9	X	68.10384	81.88800	323.12157	5.70447	0.1107753	0.28293079	2.2979959	21	—	—
75214 1999 VF_{202}	15.9	X	137.34730	94.82794	262.85096	5.99425	0.0778607	0.28643296	2.2792260	21	—	—
75215 1999 VG_{212}	16.6	X	317.88063	125.54618	50.37022	6.34117	0.0955960	0.28317678	2.2966648	21	—	—
75216 1999 VV_{213}	15.8	X	323.07402	49.62153	346.64485	1.72462	0.2187431	0.26682382	2.3895694	21	10 12.9	17.5
75217 1999 VJ_{215}	15.7	X	156.27260	34.56769	326.35296	9.77144	0.0994371	0.28889682	2.2662486	21	1 21.4	18.6
75218 1999 VL_{216}	15.3	X	328.75546	211.33795	350.59046	5.33737	0.1095174	0.28897172	2.2658569	21	1 7.7	18.0
75219 1999 VV_{219}	15.5	X	191.69592	320.34960	168.27003	8.25614	0.1707365	0.25897761	2.4375933	21	8 17.2	19.4
75220 1999 VL_{220}	15.3	X	221.89059	355.87540	291.40406	4.87290	0.1338583	0.24230047	2.5481982	21	1 6.5	19.1
75221 1999 VN_{222}	16.9	X	253.07609	91.74554	112.21737	2.07284	0.0540799	0.27840489	2.3228338	21	—	—
75222 1999 VO_{223}	15.8	X	168.14003	246.56088	83.63245	8.36540	0.2048443	0.24152855	2.5536247	21	1 13.5	19.9
75223 Wupatki	14.8	X	339.55962	299.09781	95.99191	3.19339	0.2039772	0.26749939	2.3855445	21	11 25.0	16.4
75224 1999 WC_3	15.3	X	234.22550	50.76049	86.60769	3.56610	0.1615344	0.26481677	2.4016279	21	10 16.2	18.5
75225 Corradoaugias	15.0	X	4.51721	294.30262	258.02703	13.38666	0.1215510	0.24264653	2.5457749	21	2 19.8	18.2
75226 1999 WF_3	16.5	X	319.02045	312.72813	80.36944	3.52950	0.1893341	0.26586061	2.3953375	21	10 2.4	18.4
75227 1999 WT_3	15.2	X	88.55418	157.83817	271.94392	5.82183	0.0777702	0.28492762	2.2872467	21	1 15.7	17.7
75228 1999 WB_4	15.5	X	279.77950	30.62197	26.93128	4.10446	0.1957101	0.26221801	2.4174697	21	8 22.3	18.4
75229 1999 WV_4	15.4	X	66.97789	16.14366	106.79224	6.28039	0.1546191	0.24094379	2.5577547	21	3 21.2	18.2
75230 1999 WX_4	15.1	X	80.60340	277.12934	130.00307	4.05162	0.1643406	0.23567791	2.5957138	21	—	—
75231 1999 WZ_4	14.5	X	59.93624	38.78898	82.52455	16.89223	0.0676930	0.24059372	2.5602352	21	3 2.1	17.9
75232 1999 WK_6	15.3	X	47.50305	45.49859	70.03269	8.06817	0.0375050	0.28622139	2.2803490	21	1 14.9	17.9
75233 1999 WE_7	15.6	X	28.68376	15.91722	49.88555	5.07661	0.1501759	0.27724845	2.3292886	21	—	—
75234 1999 WO_7	16.0	X	198.74813	25.55667	90.88862	4.66184	0.1489238	0.25739039	2.4476041	21	8 11.7	19.8
75235 1999 WX_7	14.9	X	204.32332	219.70424	263.73446	7.11411	0.1836596	0.25609714	2.4558372	21	8 19.6	18.9
75236 1999 WB_8	15.0	X	92.85688	109.06639	68.57144	11.05280	0.1410597	0.25262540	2.4782857	21	7 10.3	18.4
75237 1999 WK_8	14.9	X	121.83178	155.62644	48.04749	6.62288	0.1741959	0.26022174	2.4298176	21	9 21.9	18.7
75238 1999 WC_9	15.9	X	109.72103	294.35501	41.66845	5.04643	0.2057647	0.28033822	2.3121421	21	—	—
75239 1999 WZ_9	15.0	X	186.41697	18.72591	21.61035	3.18904	0.1505405	0.24740815	2.5130052	21	4 21.3	18.9
75240 1999 WH_{11}	14.7	X	123.99560	122.54076	70.85940	9.80657	0.1459894	0.25875630	2.4389829	21	9 11.1	18.5
75241 1999 WL_{11}	13.6	X	202.06146	296.13414	50.63052	14.39913	0.1172392	0.24521496	2.5279670	21	3 8.2	17.8
75242 1999 WP_{11}	15.1	X	174.34122	46.18166	33.94668	5.25773	0.0982347	0.29723750	2.2236528	21	5 26.4	18.0
75243 1999 WV_{11}	16.3	X	66.99428	135.01308	45.41170	6.54574	0.1083205	0.29996565	2.2101498	21	5 27.8	18.4
75244 1999 WO_{12}	16.2	X	312.17827	129.30590	214.14403	1.83869	0.1463465	0.26291077	2.4132212	21	7 2.7	18.8
75245 1999 WH_{18}	15.7	X	286.70214	81.67929	69.06953	10.26614	0.1473798	0.27310073	2.3528134	21	—	—
75246 1999 WJ_{19}	16.1	X	1.44165	336.73381	230.34079	2.93703	0.2473995	0.29170989	2.2516555	21	2 10.9	17.9
75247 1999 XJ	16.3	X	71.62753	357.07534	88.92592	2.88544	0.1675286	0.23878255	2.5731652	21	2 4.6	19.0
75248 1999 XX	15.7	X	325.16591	12.53487	46.47061	3.39866	0.1623899	0.26741240	2.3860618	21	11 26.5	17.5
75249 1999 XU_1	15.8	X	97.28581	59.65961	73.39096	6.77380	0.0453331	0.29522864	2.2337285	21	4 27.1	18.3
75250 1999 XH_3	15.5	X	323.20909	56.76942	85.18972	7.21434	0.1322597	0.27787794	2.3257695	21	—	—
75251 1999 XN_3	14.8	X	158.90743	114.46406	80.34910	9.97059	0.1234673	0.26435390	2.4044305	21	10 17.2	18.6
75252 1999 XS_3	15.3	X	259.52827	34.91204	82.77213	7.89841	0.1720011	0.26638590	2.3921876	21	10 23.1	18.2
75253 1999 XY_3	15.6	X	195.95823	116.54195	219.22516	10.29837	0.1419350	0.24424302	2.5346691	21	2 5.9	19.8
75254 1999 XC_4	15.7	X	294.07808	213.98113	208.05956	6.52207	0.0940808	0.26539353	2.3981471	21	10 5.6	18.2
75255 1999 XD_6	14.9	X	186.82086	193.18886	65.30098	8.64221	0.1811806	0.27706161	2.3303357	21	—	—
75256 1999 XW_6	15.2	X	301.11137	167.00077	47.13778	5.03513	0.0282102	0.23944507	2.5684165	21	1 11.1	18.6
75257 1999 XX_6	15.8	X	277.91857	123.40255	33.72082	3.01111	0.1603225	0.27307203	2.3529782	21	—	—
75258 1999 XE_8	15.9	X	272.56651	292.42931	127.06308	2.96202	0.1984249	0.26062045	2.4273387	21	8 12.1	19.0
75259 1999 XG_9	15.6	X	54.34559	98.98438	248.50334	3.45922	0.1540335	0.27233279	2.3572343	21	—	—
75260 1999 XO_{10}	15.2	X	24.38998	103.92655	351.65292	7.03758	0.0683250	0.28168022	2.3047924	21	—	—
75261 1999 XB_{11}	15.9	X	315.64820	44.75911	16.19149	6.75208	0.0852641	0.26881052	2.3777811	21	11 10.5	18.5
75262 1999 XF_{11}	15.8	X	118.90637	22.01334	358.68828	4.59417	0.2354076	0.24042574	2.5614276	21	1 30.0	19.2
75263 1999 XO_{11}	15.2	X	14.52135	187.00231	291.75059	5.07604	0.1968378	0.28122395	2.3072847	21	—	—
75264 1999 XG_{12}	15.8	X	172.70114	72.89513	313.68857	7.51073	0.1167467	0.29578765	2.2309133	21	3 11.4	19.0
75265 1999 XE_{13}	15.8	X	301.31611	252.59649	204.40990	11.42661	0.1813757	0.26994061	2.3711402	21	12 4.3	17.9
75266 1999 XG_{13}	15.5	X	54.71475	266.73098	85.30904	11.49995	0.0783176	0.27348313	2.3506196	21	—	—
75267 1999 XJ_{13}	15.0	X	319.25240	219.61181	181.02797	6.76003	0.0817796	0.26655387	2.3911825	21	10 20.9	17.5
75268 1999 XN_{15}	15.5	X	357.44799	224.39077	152.04654	3.27138	0.1708065	0.26841921	2.3800915	21	11 30.8	17.7
75269 1999 XU_{15}	14.1	X	60.58859	308.36306	101.13180	15.48981	0.1808406	0.23176686	2.6248339	21	—	—
75270 1999 XB_{16}	14.5	X	146.53473	168.58760	9.70825	10.69381	0.1482466	0.25383496	2.4704065	21	9 11.1	18.4
75271 1999 XE_{16}	15.3	X	288.93740	77.71314	63.93242	7.73040	0.1697393	0.27023987	2.3693894	21	—	—
75272 1999 XG_{16}	14.8	X	64.67303	293.44731	60.98580	30.44170	0.3588876	0.23215738	2.6218895	21	—	—
75273 1999 XC_{18}	14.7	X	298.52454	104.86351	40.01550	5.03496	0.0821344	0.28036218	2.3120103	21	—	—
75274 1999 XK_{18}	15.7	X	98.44071	179.77756	233.56621	1.94852	0.2212328	0.28760423	2.2730337	21	1 30.0	17.7
75275 1999 XG_{19}	15.3	X	158.96651	278.05453	45.34078	6.07038	0.1940145	0.28749272	2.2736214	21	—	—
75276 1999 XK_{19}	15.8	X	350.77142	317.32542	115.67021	1.81209	0.1873826	0.27579000	2.3374933	21	—	—
75277 1999 XN_{19}	15.1	X	347.37132	11.16710	23.44663	7.12610	0.1149012	0.27251385	2.3561901	21	11 30.9	17.6
75278 1999 XQ_{19}	15.6	X	101.21775	134.54112	225.78208	5.03838	0.1170525	0.28308436	2.2971647	21	—	—
75279 1999 XX_{19}	16.1	X	177.94197	350.14202	65.74241	2.20940	0.2070374	0.25226597	2.4806392	21	5 4.9	20.3
75280 1999 XZ_{20}	15.9	X	127.56955	355.56987	44.73908	7.54257	0.1979136	0.28989113	2.2610635	21	2 23.6	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
75281 1999 XF_{22}	14.5	X	320.37319	279.18128	288.02065	11.05383	0.1192600	0.23206072	2.6226175	21	1 13.9	18.0
75282 1999 XG_{22}	15.8	X	172.51556	293.91154	114.38929	6.90537	0.0390266	0.29502778	2.2347423	21	4 10.7	18.6
75283 1999 XH_{23}	16.1	X	32.19930	42.92142	33.47826	7.82717	0.1840529	0.28079590	2.3096289	21	—	—
75284 1999 XV_{24}	15.7	X	338.67975	288.41020	206.52770	3.66515	0.1022190	0.27977969	2.3152182	21	—	—
75285 1999 XY_{24}	14.3	X	309.30067	320.06319	234.91938	22.86374	0.1374234	0.28366089	2.2940511	21	—	—
75286 1999 XZ_{24}	15.3	X	76.03245	138.14665	239.87635	9.37753	0.2286502	0.28025278	2.3126120	21	—	—
75287 1999 XD_{25}	15.9	X	332.56610	244.52556	161.45305	2.13437	0.1996115	0.26932900	2.3747286	21	11 26.0	17.5
75288 1999 XL_{26}	15.6	X	39.27849	220.69570	239.87521	6.25564	0.0584500	0.28459025	2.2890540	21	—	—
75289 1999 XM_{26}	15.8	X	237.61003	76.75108	249.04225	6.19262	0.2215755	0.29630327	2.2283244	21	2 24.4	19.7
75290 1999 XY_{27}	15.5	X	196.32310	158.11634	36.75031	9.26436	0.0316919	0.27174785	2.3606158	21	11 29.5	18.6
75291 1999 XD_{28}	15.4	X	6.01844	48.52417	98.43391	3.79003	0.1835519	0.23779893	2.5802560	21	—	—
75292 1999 XE_{28}	15.5	X	291.67994	87.84007	74.03055	7.76255	0.1418676	0.27646501	2.3336869	21	—	—
75293 1999 XQ_{28}	15.3	X	127.54648	209.53004	85.79528	6.79170	0.1053005	0.27502586	2.3418210	21	—	—
75294 1999 XU_{28}	14.6	X	55.22295	286.33260	79.52339	12.33977	0.2026996	0.27574108	2.3377698	21	—	—
75295 1999 XH_{30}	15.9	X	304.04960	62.78386	109.43475	7.70551	0.0465781	0.27871993	2.3210832	21	—	—
75296 1999 XS_{30}	15.6	X	314.72726	305.79624	117.86691	8.23180	0.0822873	0.26668162	2.3904188	21	11 17.4	18.2
75297 1999 XY_{32}	14.7	X	109.73378	226.91982	278.41432	7.26060	0.1380378	0.24529685	2.5274044	21	6 16.2	18.1
75298 1999 XF_{33}	14.7	X	333.34782	48.28430	113.78527	8.25214	0.1035670	0.22954942	2.6417107	21	—	—
75299 1999 XM_{33}	15.5	X	99.59645	321.59154	125.14428	4.29058	0.1884587	0.23857862	2.5746313	21	3 26.2	18.8
75300 1999 XJ_{34}	13.8	X	2.00906	20.20156	118.50897	13.86461	0.1398500	0.22872113	2.6480846	21	—	—
75301 1999 XN_{34}	13.5	X	298.41413	251.99276	288.77592	18.94259	0.3100065	0.17964274	3.1107345	21	—	—
75302 1999 XV_{34}	15.0	X	4.92269	328.89282	115.18492	7.04770	0.1000346	0.27112379	2.3642367	21	—	—
75303 1999 XQ_{35}	15.1	X	11.96062	85.08220	78.40730	28.35163	0.3687703	0.23150945	2.6267792	21	—	—
75304 1999 XT_{36}	14.2	X	150.30658	43.07283	12.13923	8.21450	0.1190403	0.24706709	2.5153173	21	4 2.0	17.8
75305 1999 XV_{36}	14.9	X	104.43372	5.55742	7.03474	7.15110	0.1297241	0.28217472	2.3020989	21	—	—
75306 1999 XZ_{36}	15.7	X	329.29110	273.19352	92.78394	3.49278	0.1807865	0.26355845	2.4092660	21	9 11.9	17.6
75307 1999 XM_{37}	15.0	X	83.34862	93.12766	300.75452	5.69764	0.1328184	0.28149300	2.3058142	21	—	—
75308 Shoin	15.0	X	35.08601	295.95616	75.76322	7.00194	0.1097561	0.27190614	2.3596995	21	—	—
75309 1999 XE_{38}	15.3	X	280.69347	32.92138	38.50047	7.36170	0.1555481	0.26368243	2.4085108	21	9 21.6	18.0
75310 1999 XA_{39}	14.9	X	310.65766	240.49746	267.28386	12.88125	0.2192758	0.22506597	2.6766782	21	—	—
75311 1999 XC_{39}	14.7	X	229.46560	162.65178	80.87632	13.82351	0.1883495	0.23446693	2.6046437	21	—	—
75312 1999 XT_{40}	15.6	X	16.82023	126.36744	33.66034	4.65856	0.1148452	0.28774224	2.2723068	21	1 23.9	17.8
75313 1999 XL_{41}	15.3	X	223.11854	161.83858	137.57697	4.80542	0.0897214	0.24191799	2.5508834	21	1 22.2	19.1
75314 1999 XG_{42}	15.4	X	221.70222	133.67248	46.15834	8.97186	0.1352905	0.27042158	2.3683278	21	11 27.7	18.6
75315 1999 XK_{42}	15.5	X	357.18224	259.90310	46.57163	7.17732	0.1376274	0.26135031	2.4228175	21	8 10.4	17.8
75316 1999 XM_{42}	15.8	X	47.03936	210.89233	260.62422	3.25454	0.1042027	0.28548955	2.2842444	21	1 6.5	17.7
75317 1999 XO_{43}	15.6	X	311.47455	79.12821	313.15092	1.19756	0.1896432	0.26514906	2.3996210	21	9 10.4	17.7
75318 1999 XN_{44}	16.2	X	297.50208	8.25761	47.05607	4.26554	0.1542829	0.26524581	2.3990375	21	9 26.1	18.5
75319 1999 XU_{44}	15.5	X	13.08275	85.87252	54.93020	6.04447	0.0977788	0.28447642	2.2896646	21	—	—
75320 1999 XV_{45}	16.1	X	153.57581	276.39642	259.03330	5.64888	0.0853919	0.26099102	2.4250406	21	9 7.7	19.7
75321 1999 XY_{45}	15.9	X	180.74356	181.65649	246.29027	6.17821	0.0560393	0.25203391	2.4821617	21	5 18.8	19.2
75322 1999 XF_{47}	15.9	X	298.72812	70.24023	44.92187	3.69930	0.1430984	0.27131987	2.3630976	21	12 29.5	18.0
75323 1999 XY_{47}	15.3	X	172.33871	213.71590	70.07803	7.27122	0.0851505	0.27887461	2.3202248	21	—	—
75324 1999 XV_{48}	15.5	X	218.75031	229.12061	264.86152	3.77616	0.0316647	0.26441648	2.4040511	21	10 6.0	18.6
75325 1999 XX_{48}	15.6	X	331.96624	175.75890	253.40424	6.30449	0.0840412	0.27094576	2.3652723	21	12 22.5	17.9
75326 1999 XZ_{50}	16.8	X	281.83990	213.28859	219.30111	1.53488	0.1845907	0.26426460	2.4049721	21	9 16.1	19.3
75327 1999 XV_{52}	16.3	X	38.75629	294.31311	49.34194	1.79257	0.2088414	0.27116918	2.3639729	21	12 24.9	19.2
75328 1999 XZ_{52}	15.9	X	135.00706	237.01361	254.16665	4.99462	0.0928665	0.25231566	2.4803135	21	6 21.6	19.4
75329 1999 XE_{53}	15.7	X	359.07084	143.31608	220.68673	1.57760	0.2232360	0.26853264	2.3794212	21	11 22.6	17.4
75330 1999 XF_{53}	16.3	X	238.38727	228.38032	237.43238	3.83440	0.0998266	0.26233514	2.4167500	21	9 13.3	19.4
75331 1999 XL_{53}	15.5	X	151.92938	281.41684	89.68156	2.77852	0.0375174	0.24099382	2.5574007	21	1 29.6	18.8
75332 1999 XN_{53}	15.2	X	253.41570	322.25995	242.33684	11.55785	0.1273907	0.23087291	2.6316052	21	—	—
75333 1999 XO_{54}	16.0	X	239.28523	36.10059	110.94697	3.36564	0.1584033	0.26678953	2.3897741	21	11 4.6	19.0
75334 1999 XS_{54}	15.6	X	215.48558	165.92007	205.29482	2.12843	0.2484149	0.25133282	2.4867755	21	4 9.7	19.9
75335 1999 XP_{55}	15.4	X	109.16333	147.40503	249.70330	5.93556	0.0368182	0.23839938	2.5759216	21	1 7.4	18.7
75336 1999 XE_{57}	15.5	X	32.14144	15.67470	88.12566	4.60539	0.1029352	0.23602053	2.5932011	21	—	—
75337 1999 XA_{58}	16.2	X	27.00158	180.72219	183.73984	2.16295	0.1353982	0.27089324	2.3655780	21	12 25.8	18.9
75338 1999 XX_{59}	15.1	X	329.65066	99.83066	74.31819	14.73179	0.0275162	0.23716498	2.5848520	21	—	—
75339 1999 XN_{60}	14.8	X	265.02474	139.76287	85.38187	6.34185	0.1343706	0.23494597	2.6011020	21	—	—
75340 1999 XP_{60}	15.2	X	49.35590	111.17216	239.17206	9.01361	0.1020145	0.22597969	2.6694581	21	12 21.3	18.9
75341 1999 XQ_{60}	15.7	X	195.83354	281.33826	199.77430	1.72967	0.1416454	0.25766997	2.4458333	21	8 13.3	19.5
75342 1999 XW_{60}	15.7	X	98.57130	297.87483	150.90379	1.95142	0.0976868	0.24274084	2.5451154	21	3 11.1	18.8
75343 1999 XK_{61}	15.0	X	32.61831	62.34010	97.34611	5.17956	0.1648105	0.24120954	2.5558757	21	3 7.7	17.3
75344 1999 XS_{61}	15.5	X	163.52476	74.72470	97.09383	5.54505	0.1420979	0.25961142	2.4336242	21	9 19.8	19.3
75345 1999 XZ_{61}	16.2	X	305.71476	71.93211	331.80579	1.72396	0.1601253	0.26504546	2.4002463	21	9 20.6	18.5
75346 1999 XE_{62}	15.8	X	144.55713	144.33826	40.34771	1.89951	0.1282060	0.26006056	2.4308214	21	9 15.2	19.3
75347 1999 XO_{62}	15.7	X	95.61670	189.52332	65.88959	9.52516	0.1107399	0.26452656	2.4033841	21	10 26.4	19.1
75348 1999 XF_{64}	15.1	X	351.41693	198.90693	184.06074	4.05773	0.0736584	0.22071468	2.7117432	21	11 8.6	18.4
75349 1999 XB_{65}	15.5	X	17.34434	122.43745	223.82129	3.40847	0.1076238	0.22129564	2.7069951	21	11 2.0	18.5
75350 1999 XY_{65}	15.4	X	140.98687	250.79360	87.93487	4.18425	0.2257407	0.23742834	2.5829402	21	—	—
75351 1999 XY_{67}	15.7	X	221.21814	76.67987	89.81706	7.40047	0.0746732	0.26723922	2.3870925	21	11 19.9	18.9
75352 1999 XH_{68}	15.0	X	324.99988	54.54465	84.12133	15.37091	0.0340354	0.23161511	2.6259802	21	—	—
75353 1999 XL_{69}	15.7	X	344.57416	228.06838	135.48294	0.51091	0.2282843	0.26582503	2.3955513	21	10 17.0	17.0
75354 1999 XS_{69}	15.2	X	61.45055	251.50403	80.79254	7.62691	0.1443759	0.27069748	2.3667183	21	12 27.7	18.4
75355 1999 XP_{70}	15.5	X	188.09492	85.81026	121.17735	2.04597	0.1299429	0.26754144	2.3852945	21	11 26.8	18.9
75356 1999 XA_{71}	15.2	X	52.34820	321.49867	109.22981	4.38310	0.1937364	0.23480393	2.6021509	21	—	—
75357 1999 XL_{71}	15.8	X	242.86830	9.90300	172.89632	2.08790	0.1662449	0.27048630	2.3679500	21	12 25.5	18.5
75358 1999 XT_{71}	16.5	X	261.59845	209.58195	210.57889	1.49867	0.1806993	0.25989023	2.4318834	21	7 31.3	19.8
75359 1999 XA_{72}	16.4	X	218.31170	356.30322	84.78848	3.57175	0.1329909	0.25626281	2.4547786	21	7 16.3	19.9
75360 1999 XO_{72}	15.6	X	159.59412	297.04872	117.77007	0.26575	0.1114767	0.24630267	2.5205190	21	4 11.2	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
75361 1999 XQ_{72}	15.8	X	338.03665	175.01194	207.33850	1.29506	0.1861696	0.26627378	2.3928590	21	10 29.2	17.5
75362 1999 XQ_{73}	15.8	X	293.04451	350.46825	87.11408	2.97068	0.1675132	0.26531701	2.3986082	21	10 19.1	18.1
75363 1999 XK_{74}	15.0	X	107.86225	259.45204	90.42467	10.05571	0.0804038	0.23181176	2.6244949	21	—	—
75364 1999 XZ_{74}	14.7	X	348.66427	192.36219	88.74322	6.14178	0.1005624	0.25273616	2.4775616	21	6 10.8	17.2
75365 1999 XP_{75}	15.3	X	134.34204	90.21634	92.55742	7.70581	0.0771873	0.30258720	2.1973657	21	9 4.9	18.3
75366 1999 XS_{82}	14.4	X	92.23363	17.88861	94.59127	13.89854	0.1095882	0.24268128	2.5455318	21	4 12.8	17.9
75367 1999 XV_{82}	14.6	X	308.53140	109.64475	267.30670	10.67759	0.2493937	0.26174329	2.4203918	21	7 27.0	16.9
75368 1999 XW_{82}	15.0	X	348.36379	256.17958	267.92362	7.48256	0.1632750	0.23397674	2.6082803	21	—	—
75369 1999 XZ_{82}	15.5	X	83.87954	304.94348	99.48867	6.23072	0.1314086	0.28032992	2.3121877	21	—	—
75370 1999 XM_{83}	14.3	X	338.18241	124.84686	98.00450	13.61740	0.2269339	0.23923378	2.5699285	21	2 13.9	17.4
75371 1999 XU_{83}	15.4	X	218.76498	14.32878	108.87646	1.94568	0.1657822	0.25868265	2.4394459	21	9 8.4	19.0
75372 1999 XX_{83}	15.3	X	305.10095	291.46297	238.89049	3.39506	0.1214843	0.27529735	2.3402811	21	—	—
75373 1999 XY_{83}	16.0	X	16.49267	243.20603	227.92308	2.46829	0.1656711	0.23212850	2.6221069	21	—	—
75374 1999 XG_{84}	15.2	X	244.72110	156.70996	275.71593	10.25742	0.1314258	0.25717633	2.4489620	21	7 31.9	18.7
75375 1999 XJ_{84}	14.7	X	49.24076	24.79995	95.87202	13.44236	0.1691835	0.23696883	2.5862781	21	2 15.0	17.4
75376 1999 XX_{84}	14.9	X	121.54745	298.85586	101.65199	14.38341	0.1525500	0.23855093	2.5748305	21	2 18.4	18.6
75377 1999 XP_{85}	15.6	X	177.59603	206.86638	201.26991	1.44606	0.1736814	0.24669370	2.5178548	21	4 24.0	19.7
75378 1999 XQ_{85}	15.6	X	295.33989	299.81123	114.42259	3.65908	0.2368355	0.26241570	2.4162554	21	9 5.2	17.8
75379 1999 XF_{87}	14.8	X	164.97312	89.35281	290.90027	11.03815	0.2046502	0.24184625	2.5513878	21	3 5.8	19.2
75380 1999 XK_{87}	15.0	X	148.89524	318.87674	93.14291	15.67793	0.0779379	0.24365053	2.5387766	21	4 1.4	18.9
75381 1999 XM_{89}	14.1	X	115.81362	329.89008	259.26535	6.85337	0.1635234	0.21190357	2.7864026	21	10 7.2	18.6
75382 1999 XP_{89}	14.7	X	92.46368	3.02586	103.48513	10.72277	0.0824411	0.24137862	2.5546820	21	3 29.9	18.1
75383 1999 XB_{91}	14.9	X	282.21369	333.12591	279.87049	10.47015	0.0313069	0.23750349	2.5823953	21	2 2.4	18.5
75384 1999 XS_{91}	14.1	X	261.20985	348.27001	290.15497	12.84001	0.1351234	0.23752215	2.5822600	21	1 31.3	18.1
75385 1999 XX_{92}	14.9	X	320.27116	294.95942	122.77013	3.00406	0.0632305	0.21904671	2.7254919	21	11 7.2	18.2
75386 1999 XZ_{92}	14.5	X	169.42058	197.97981	100.84753	14.98014	0.1432173	0.23036337	2.6354843	21	—	—
75387 1999 XK_{93}	14.5	X	160.35273	286.61509	102.59742	10.23159	0.0768875	0.24027378	2.5625074	21	3 12.4	18.3
75388 1999 XS_{93}	14.9	X	80.65988	295.12648	99.49773	5.87826	0.1879919	0.23213787	2.6220364	21	—	—
75389 1999 XU_{94}	15.0	X	114.12723	78.97458	41.47403	1.79255	0.1529371	0.24354396	2.5395171	21	5 20.6	18.5
75390 1999 XN_{95}	15.1	X	152.93617	116.31801	289.67058	14.14414	0.0936588	0.24321399	2.5418135	21	3 13.8	19.1
75391 1999 XF_{96}	15.6	X	18.95851	118.06063	274.90387	4.31911	0.2394349	0.27355315	2.3502185	21	—	—
75392 1999 XD_{97}	16.2	X	319.49997	79.06973	38.42894	3.12955	0.1281706	0.27308900	2.3528807	21	—	—
75393 1999 XS_{97}	15.9	X	295.25605	140.26806	267.51282	1.32777	0.1895720	0.26303847	2.4124401	21	9 1.2	18.4
75394 1999 XE_{98}	15.3	X	337.29458	88.13144	279.03813	2.95704	0.1501940	0.26395190	2.4068712	21	9 29.2	17.4
75395 1999 XJ_{98}	15.5	X	343.09921	184.01409	259.92225	4.96799	0.1685355	0.27234615	2.3571572	21	—	—
75396 1999 XU_{98}	14.7	X	201.41010	108.83846	63.28926	7.11113	0.0789230	0.26434392	2.4044910	21	11 2.2	17.9
75397 1999 XY_{98}	15.0	X	275.56714	104.77003	7.94453	2.20917	0.1637521	0.26624738	2.3930172	21	11 7.2	17.5
75398 1999 XZ_{98}	15.0	X	182.57505	252.73000	269.07266	3.78701	0.1416233	0.25949044	2.4343805	21	9 20.5	18.9
75399 1999 XB_{99}	15.5	X	92.62826	344.45220	78.01694	8.03219	0.2299652	0.23872356	2.5735890	21	2 20.1	18.6
75400 1999 XQ_{100}	15.0	X	70.18580	196.70330	272.64122	13.46493	0.1332262	0.23911293	2.5707944	21	2 21.8	18.2
75401 1999 XV_{100}	14.7	X	174.16476	104.56265	285.59415	5.47505	0.2260699	0.24558902	2.5253995	21	3 28.9	19.0
75402 1999 XF_{101}	15.0	X	329.85645	228.52070	311.20074	3.85969	0.1920435	0.23220307	2.6215455	21	—	—
75403 1999 XH_{102}	15.2	X	305.31696	88.29624	281.98707	5.34728	0.1474803	0.25919634	2.4362217	21	7 30.6	17.8
75404 1999 XM_{102}	15.2	X	37.13626	69.38274	280.37444	5.36960	0.1568455	0.26813743	2.3817587	21	12 22.6	18.0
75405 1999 XQ_{103}	14.4	X	102.26342	105.80820	93.55735	13.14877	0.1477751	0.20502387	2.8483920	21	8 22.4	18.8
75406 1999 XR_{103}	16.1	X	5.89884	15.09664	8.44133	1.29193	0.1971481	0.26840745	2.3801610	21	12 29.9	18.5
75407 1999 XU_{103}	15.1	X	117.06685	244.35374	334.30270	2.10359	0.1488739	0.25655714	2.4529008	21	9 30.6	18.9
75408 1999 XG_{104}	14.9	X	162.10226	335.61781	66.34753	9.41766	0.0901480	0.29116840	2.2544463	21	3 26.6	18.1
75409 1999 XR_{104}	15.1	X	25.35961	317.53272	80.97096	25.06564	0.2941402	0.27542170	2.3395766	21	—	—
75410 1999 XW_{104}	14.9	X	127.69860	32.54490	59.98903	5.31658	0.1471881	0.29021502	2.2593809	21	4 26.2	17.7
75411 1999 XQ_{106}	15.0	X	299.60537	312.87164	252.47610	5.16364	0.1073942	0.28600224	2.2815138	21	—	—
75412 1999 XJ_{108}	15.3	X	106.97995	245.56216	70.71375	7.64779	0.2867666	0.27913125	2.3188024	21	—	—
75413 1999 XW_{110}	15.5	X	204.56319	214.30404	267.45096	3.85657	0.1647592	0.25985282	2.4321168	21	8 20.6	19.3
75414 1999 XC_{112}	16.3	X	276.93036	54.15249	356.53015	0.98727	0.1787550	0.26140436	2.4224835	21	8 9.1	19.2
75415 1999 XK_{115}	15.5	X	200.72913	250.80004	28.90481	4.37298	0.1373217	0.28222654	2.3018171	21	—	—
75416 1999 XU_{115}	14.9	X	107.71178	54.07284	257.57724	11.30410	0.1761079	0.27746552	2.3280736	21	—	—
75417 1999 XR_{116}	15.8	X	108.93296	344.31843	18.95792	5.40028	0.1654984	0.28262889	2.2996320	21	—	—
75418 1999 XY_{116}	15.2	X	62.62929	16.46245	45.07566	7.72932	0.1092390	0.28216420	2.3021561	21	—	—
75419 1999 XF_{117}	15.3	X	145.83141	54.63385	271.68316	7.87049	0.1715165	0.28343289	2.2952811	21	—	—
75420 1999 XE_{118}	15.9	X	242.42259	83.03347	0.24702	2.10647	0.1696093	0.26071971	2.4267226	21	8 11.6	19.4
75421 1999 XQ_{118}	15.1	X	313.78179	260.10555	273.10878	4.00323	0.1624045	0.23427297	2.6060811	21	—	—
75422 1999 XH_{119}	16.3	X	324.37831	70.73213	20.63501	4.88690	0.1319335	0.27251451	2.3561863	21	—	—
75423 1999 XO_{119}	15.1	X	340.31892	356.02402	26.17185	6.74433	0.1130857	0.26747266	2.3857034	21	10 29.8	17.4
75424 1999 XL_{120}	15.3	X	147.64944	193.47756	42.15985	10.04415	0.0416614	0.26909929	2.3760798	21	11 21.9	18.6
75425 1999 XG_{121}	15.3	X	239.33269	348.69965	319.70566	0.77125	0.1030468	0.24552510	2.5258378	21	2 18.3	19.0
75426 1999 XJ_{123}	14.8	X	166.10801	208.96222	346.56336	6.60770	0.0568574	0.26645634	2.3917659	21	10 20.2	18.2
75427 1999 XK_{123}	15.7	X	41.57394	341.48392	5.86416	6.86204	0.1355634	0.27213378	2.3583834	21	12 22.8	18.8
75428 1999 XM_{123}	15.4	X	244.83927	65.64875	1.57568	6.10075	0.1440405	0.25993985	2.4315739	21	7 28.1	18.8
75429 1999 XV_{124}	15.1	X	146.24062	290.29030	266.21844	11.51292	0.0929028	0.26301647	2.4125746	21	9 24.6	18.9
75430 1999 XN_{125}	14.1	X	304.03613	196.03115	42.73203	13.66867	0.1821702	0.24336852	2.5407374	21	1 27.6	18.0
75431 1999 XD_{126}	15.7	X	48.66733	15.35278	335.97913	4.00505	0.1074742	0.27231681	2.3573265	21	—	—
75432 1999 XJ_{126}	15.5	X	78.85453	316.33417	33.89704	7.08180	0.1361870	0.27624475	2.3349273	21	—	—
75433 1999 XK_{126}	13.7	X	215.17674	273.34792	31.00165	9.06503	0.1688617	0.24241835	2.5473721	21	1 23.6	18.0
75434 1999 XT_{126}	15.4	X	127.80512	110.96261	279.55555	6.97175	0.1331146	0.28660070	2.2783366	21	1 27.0	18.0
75435 1999 XX_{126}	15.9	X	239.35977	157.12165	30.54903	6.21605	0.0607729	0.27330460	2.3516431	21	—	—
75436 1999 XY_{126}	15.3	X	67.31869	31.07912	353.67875	3.72592	0.1660782	0.23290584	2.6162694	21	—	—
75437 1999 XN_{127}	15.1	X	187.58420	182.23695	66.06975	15.19140	0.0643560	0.22795073	2.6540477	21	—	—
75438 1999 XJ_{128}	15.5	X	179.97698	181.83807	64.44706	9.30450	0.0773187	0.27318626	2.3523223	21	—	—
75439 1999 XN_{128}	16.2	X	275.14915	42.66230	39.05128	1.93594	0.1513041	0.26387387	2.4073457	21	9 25.7	18.8
75440 1999 XQ_{128}	15.2	X	167.82359	259.23351	60.04695	7.16854	0.1270002	0.23694254	2.5864695	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
75441 1999 XB_{129}	14.6	X	358.93604	271.49149	2.42180	6.24405	0.1338969	0.30063449	2.2068705	21	6 15.8	16.3
75442 1999 XN_{129}	15.6	X	313.02912	91.43360	5.86456	7.93241	0.0767057	0.27107360	2.3645286	21	12 31.8	18.3
75443 1999 XS_{129}	15.7	X	28.42340	121.90912	16.03662	8.78879	0.1146032	0.28434558	2.2903669	21	1 14.1	18.0
75444 1999 XU_{131}	15.3	X	200.66826	216.76080	10.57873	6.71691	0.0768931	0.26934805	2.3746166	21	—	—
75445 1999 XJ_{132}	15.4	X	228.89933	61.36682	54.17964	8.21151	0.2057717	0.25960396	2.4336709	21	9 8.6	19.2
75446 1999 XV_{133}	15.2	X	330.12857	225.08135	310.72786	14.33428	0.0505731	0.23443448	2.6048840	21	—	—
75447 1999 XJ_{135}	14.5	X	15.50353	279.31702	264.14965	26.16658	0.1630139	0.23937870	2.5688912	21	2 15.9	17.9
75448 1999 XV_{135}	13.9	X	328.50560	262.64360	97.61101	25.56807	0.1788931	0.21567062	2.7538613	21	9 1.7	17.3
75449 1999 XH_{137}	14.9	X	109.46968	87.58246	92.24906	17.85687	0.0268284	0.20623106	2.8372657	21	7 17.6	18.9
75450 1999 XR_{137}	15.8	X	162.13318	309.91683	117.85618	7.03466	0.2181035	0.29687480	2.2254636	21	5 6.9	19.4
75451 1999 XB_{139}	14.7	X	273.44025	332.22545	93.79105	8.73159	0.1707095	0.21364387	2.7712504	21	8 27.1	18.5
75452 1999 XP_{142}	14.5	X	140.21882	346.64604	280.19484	24.47742	0.2104139	0.27012977	2.3700332	21	12 24.1	18.4
75453 1999 XS_{142}	14.8	X	169.47886	66.71346	285.34481	22.05667	0.1691104	0.24115874	2.5562346	21	1 31.5	19.0
75454 1999 XL_{144}	14.7	X	348.87338	68.55896	2.13622	7.90153	0.1175516	0.27005074	2.3704955	21	—	—
75455 1999 XL_{145}	15.6	X	274.82136	197.29973	79.89176	2.26532	0.1198666	0.24697216	2.5159618	21	2 16.2	19.1
75456 1999 XR_{145}	15.9	X	198.32957	61.57066	229.00847	4.79756	0.3185312	0.24098117	2.5574902	21	—	—
75457 1999 XF_{146}	16.8	X	266.65602	257.33066	228.00256	1.87097	0.1243209	0.26864351	2.3787665	21	11 18.2	19.4
75458 1999 XS_{147}	15.9	X	160.75198	142.50627	68.91997	3.45335	0.1177350	0.26692453	2.3889683	21	11 5.4	19.4
75459 1999 XM_{151}	14.7	X	281.93048	301.86990	289.36913	8.56191	0.1449767	0.23303394	2.6153106	21	—	—
75460 1999 XO_{152}	15.6	X	188.31187	267.75435	94.14606	8.56202	0.2084465	0.29492181	2.2352776	21	3 7.6	19.3
75461 1999 XW_{155}	15.4	X	358.75416	109.82742	98.18418	9.13626	0.0373230	0.24434040	2.5339956	21	3 24.2	18.7
75462 1999 XB_{156}	14.9	X	289.91575	282.41276	246.01313	11.96663	0.1360722	0.22879340	2.6475269	21	—	—
75463 1999 XV_{157}	15.6	X	233.69933	253.84880	145.42068	2.80861	0.1957982	0.25429631	2.4674177	21	6 2.1	19.5
75464 1999 XM_{159}	15.2	X	11.03817	0.47445	166.21830	2.66572	0.0951858	0.28418405	2.2912347	21	1 24.7	17.6
75465 1999 XN_{159}	16.0	X	342.17821	247.05559	176.39903	2.43002	0.1775245	0.26981752	2.3718613	21	—	—
75466 1999 XU_{159}	15.6	X	8.06594	211.79761	237.13976	6.35278	0.1980353	0.22970517	2.6405164	21	—	—
75467 1999 XS_{160}	14.5	X	310.35967	69.37990	20.48060	12.12553	0.1368135	0.21930826	2.7233245	21	11 26.1	17.6
75468 1999 XC_{161}	15.9	X	35.74447	344.10420	29.76691	7.70736	0.1157459	0.27272810	2.3549560	21	—	—
75469 1999 XU_{162}	16.0	X	31.84821	308.29978	123.85863	2.55642	0.2121640	0.23054514	2.6340988	21	—	—
75470 1999 XT_{164}	15.1	X	328.80230	97.06579	55.67359	4.57519	0.2122382	0.22750580	2.6575069	21	—	—
75471 1999 XW_{164}	15.3	X	314.65418	2.75943	96.59899	8.27175	0.1733696	0.26736514	2.3863430	21	—	—
75472 1999 XX_{164}	14.9	X	58.77762	201.66209	312.92247	10.50244	0.2005741	0.23918512	2.5702771	21	4 18.9	17.8
75473 1999 XY_{164}	14.9	X	228.03293	122.55653	21.11720	3.41318	0.1207956	0.26026448	2.4295515	21	10 20.1	18.2
75474 1999 XQ_{165}	15.2	X	273.08490	35.10071	89.67589	8.23399	0.1092799	0.26524998	2.3990123	21	11 30.0	17.9
75475 1999 XC_{166}	14.9	X	314.36672	96.76346	19.06242	12.72997	0.0847134	0.27471443	2.3435905	21	—	—
75476 1999 XS_{166}	15.7	X	255.12209	41.42697	19.99499	6.08362	0.1922867	0.26016426	2.4301754	21	7 26.1	19.1
75477 1999 XC_{167}	15.8	X	216.16364	38.32636	45.71019	7.60377	0.2467521	0.25678797	2.4514306	21	7 11.1	20.0
75478 1999 XG_{167}	15.1	X	52.87028	88.29315	42.30477	5.73842	0.1126664	0.28717509	2.2752976	21	2 18.8	17.2
75479 1999 XH_{170}	15.4	X	344.73841	152.40159	45.48940	4.94605	0.1203817	0.28506382	2.2865181	21	1 25.1	18.0
75480 1999 XZ_{171}	14.8	X	323.84107	37.40211	310.19022	9.81404	0.2325578	0.25894509	2.4377973	21	7 20.5	16.7
75481 1999 XB_{172}	15.0	X	29.50365	293.44523	58.26047	7.20482	0.1692728	0.26693458	2.3889084	21	12 16.2	17.8
75482 1999 XC_{173}	14.6	X	328.74959	49.72579	58.83775	6.11566	0.0764433	0.27126821	2.3633976	21	—	—
75483 1999 XE_{173}	15.3	X	320.55717	8.04859	72.79020	10.44691	0.1149862	0.26746659	2.3857395	21	12 19.3	17.6
75484 1999 XP_{173}	15.4	X	348.83325	98.38741	74.07632	5.23438	0.1962407	0.23318289	2.6141967	21	—	—
75485 1999 XC_{174}	15.2	X	282.13621	105.12920	61.62089	7.96035	0.1392863	0.27092458	2.3653956	21	—	—
75486 1999 XO_{174}	14.6	X	344.16563	290.94231	81.18322	9.36414	0.1174812	0.26197010	2.4189946	21	10 26.3	17.1
75487 1999 XZ_{175}	14.5	X	48.64583	316.54440	78.93959	15.17280	0.2511332	0.22866087	2.6485498	21	—	—
75488 1999 XT_{177}	14.8	X	197.06016	145.01211	90.81660	14.72184	0.1247177	0.22321091	2.6914879	21	—	—
75489 1999 XO_{178}	15.7	X	313.30176	342.59990	36.24926	5.79027	0.1926345	0.26026677	2.4295373	21	8 26.4	17.9
75490 1999 XQ_{178}	14.6	X	116.73691	273.36519	88.87992	14.19843	0.2093964	0.23299391	2.6156101	21	—	—
75491 1999 XZ_{178}	15.0	X	294.99099	69.84828	93.77263	15.83291	0.0709260	0.22594282	2.6697485	21	—	—
75492 1999 XK_{179}	14.9	X	155.38920	290.37426	67.39463	12.93135	0.1779613	0.23559349	2.5963338	21	2 5.8	19.1
75493 1999 XG_{180}	15.0	X	224.31165	84.61763	54.86406	7.40284	0.1175544	0.25947197	2.4344961	21	10 13.3	18.3
75494 1999 XH_{181}	15.7	X	112.73427	53.81245	348.09817	6.91543	0.1258527	0.28588101	2.2821587	21	1 23.7	18.3
75495 1999 XM_{181}	15.7	X	288.11102	107.88037	326.40658	7.88677	0.1657604	0.26528831	2.3987812	21	9 29.7	18.3
75496 1999 XD_{182}	14.7	X	358.43958	356.21351	35.85332	15.74928	0.1151509	0.22447002	2.6814137	21	12 1.9	18.0
75497 1999 XW_{183}	15.1	X	15.66157	350.95569	357.74510	4.89248	0.2189260	0.26817677	2.3815258	21	11 28.9	17.6
75498 1999 XA_{184}	14.9	X	348.96812	187.98821	307.43594	11.27621	0.1131807	0.23320482	2.6140328	21	—	—
75499 1999 XP_{184}	15.5	X	193.90473	155.87287	331.89867	5.58002	0.1112305	0.25786559	2.4445961	21	8 22.4	19.1
75500 1999 XQ_{184}	15.8	X	321.77560	110.33409	18.81245	4.86557	0.2026679	0.27399029	2.3477180	21	—	—
75501 1999 XB_{185}	15.5	X	225.81954	95.93857	25.63949	7.46255	0.1852551	0.26138474	2.4226047	21	9 13.8	19.1
75502 1999 XZ_{185}	14.9	X	50.28638	24.53389	290.62803	11.54100	0.1919057	0.22257039	2.6966492	21	11 18.7	18.8
75503 1999 XX_{186}	15.3	X	272.14102	85.22232	320.31337	7.34705	0.1331171	0.25816317	2.4427172	21	8 2.6	18.4
75504 1999 XK_{189}	15.3	X	199.84131	168.26733	321.81860	6.02517	0.0828324	0.25894831	2.4377771	21	9 1.8	18.8
75505 1999 XC_{192}	15.2	X	343.49217	149.33305	33.76831	6.22463	0.1422887	0.28231172	2.3013541	21	—	—
75506 1999 XW_{193}	15.9	X	298.91776	136.85491	311.49812	5.81536	0.1038211	0.26662592	2.3907517	21	11 19.6	18.5
75507 1999 XO_{195}	15.1	X	63.77789	46.85643	356.50267	6.79257	0.1358094	0.27775043	2.3264813	21	—	—
75508 1999 XV_{196}	15.1	X	102.33559	306.93293	70.23629	12.67648	0.0773844	0.23277628	2.6172401	21	—	—
75509 1999 XL_{197}	15.1	X	193.72539	168.02380	352.78133	9.43946	0.1292776	0.21423140	2.7661812	21	9 27.9	19.4
75510 1999 XO_{198}	15.4	X	341.75701	76.20633	308.38300	5.70749	0.1344660	0.26642267	2.3919675	21	11 4.1	17.7
75511 1999 XS_{200}	14.9	X	178.29259	237.39160	293.24939	12.22779	0.1224577	0.21392359	2.7688341	21	9 19.8	19.5
75512 1999 XW_{202}	14.8	X	29.32644	150.97133	308.61282	13.36259	0.1418430	0.23275335	2.6174120	21	—	—
75513 1999 XY_{202}	15.0	X	188.34409	175.31180	357.02852	9.00271	0.0867888	0.21522125	2.7576932	21	10 8.8	19.2
75514 1999 XD_{203}	14.7	X	7.05950	179.04322	315.87593	14.04306	0.1316690	0.23320139	2.6140585	21	—	—
75515 1999 XM_{203}	14.5	X	268.09551	188.76685	308.28723	11.70408	0.1124277	0.22113679	2.7082914	21	11 25.8	18.1
75516 1999 XV_{203}	15.6	X	55.47186	100.05482	318.80663	12.15179	0.1549249	0.23200041	2.6230720	21	—	—
75517 1999 XY_{203}	14.8	X	246.99136	310.30711	322.59532	14.23127	0.0848053	0.23598251	2.5934796	21	1 18.4	18.7
75518 1999 XE_{205}	14.9	X	110.80729	34.32535	350.02414	7.20221	0.1962935	0.23538619	2.5978579	21	1 20.3	18.2
75519 1999 XM_{205}	14.4	X	3.72875	282.99207	324.03135	12.21653	0.1364869	0.24579447	2.5239920	21	5 11.6	17.3
75520 1999 XN_{205}	14.0	X	247.97754	217.64852	334.91596	10.88850	0.1297054	0.22353034	2.6889232	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
75521 1999 XO_{206}	15.3	X	334.70327	122.49297	19.96863	7.80131	0.0582678	0.27517813	2.3409570	21	—	—
75522 1999 XW_{206}	14.9	X	256.55835	200.02954	30.96240	9.82985	0.2024586	0.27326711	2.3518582	21	—	—
75523 1999 XX_{206}	14.2	X	142.40748	288.25296	47.25313	11.94922	0.1996681	0.23088335	2.6315258	21	—	—
75524 1999 XA_{207}	14.3	X	186.05757	179.91039	3.60630	5.39363	0.2042445	0.21472166	2.7619691	21	10 15.3	18.9
75525 1999 XQ_{209}	15.6	X	319.07001	31.54215	3.03354	8.97834	0.1786073	0.21862212	2.7290196	21	9 24.8	18.1
75526 1999 XV_{211}	14.9	X	305.89172	228.11427	327.92810	12.75401	0.0948431	0.23312290	2.6146451	21	—	—
75527 1999 XY_{213}	15.1	X	61.73720	99.51779	100.89782	15.36311	0.0418696	0.25080392	2.4902704	21	6 12.7	18.3
75528 1999 XC_{214}	14.5	X	149.34302	131.58026	115.11490	13.34455	0.1332581	0.22311337	2.6922723	21	12 3.5	18.9
75529 1999 XF_{215}	16.0	X	76.92889	333.76901	4.38929	5.50483	0.1940392	0.27495634	2.3422157	21	—	—
75530 1999 XA_{218}	15.6	X	87.41094	173.00301	99.74213	6.07042	0.1886986	0.26023072	2.4297617	21	11 14.6	19.3
75531 1999 XL_{218}	15.3	X	320.66453	47.10707	339.88007	0.99460	0.1052610	0.21490366	2.7604095	21	9 22.5	18.6
75532 1999 XN_{220}	16.2	X	36.06088	45.89186	336.16357	6.75140	0.1158173	0.27362658	2.3497980	21	—	—
75533 1999 XM_{226}	15.4	X	265.61632	51.23441	79.74733	3.05734	0.1597540	0.26524930	2.3990164	21	11 18.4	18.0
75534 1999 XM_{227}	15.6	X	101.30283	311.50843	110.97786	4.12237	0.1498911	0.23784596	2.5799158	21	2 17.6	18.7
75535 1999 XG_{228}	15.2	X	343.65865	91.19364	91.38663	5.31453	0.0668001	0.28139930	2.3063261	21	1 9.9	17.8
75536 1999 XB_{230}	15.1	X	149.50328	354.13385	320.86276	10.21906	0.2130136	0.28489769	2.2874069	21	—	—
75537 1999 XN_{230}	15.5	X	113.12575	55.06708	278.96094	4.55894	0.1434958	0.28061073	2.3106449	21	—	—
75538 1999 XV_{230}	15.9	X	331.10345	55.62260	56.36277	7.87314	0.2901273	0.22577405	2.6710788	21	—	—
75539 1999 XY_{232}	14.5	X	38.83968	92.11097	54.90831	23.54275	0.2667821	0.28495805	2.2870839	21	3 7.7	16.6
75540 1999 XJ_{233}	15.8	X	311.16076	6.55666	106.99157	5.48449	0.0923655	0.27335970	2.3513271	21	—	—
75541 1999 XY_{234}	15.9	X	329.64732	252.22290	114.13828	6.28979	0.1761460	0.26464674	2.4026565	21	9 15.1	17.8
75542 1999 XN_{237}	15.8	X	221.08223	61.26756	77.42088	2.27530	0.1265752	0.26262117	2.4149950	21	10 6.2	19.1
75543 1999 XY_{241}	15.6	X	335.12155	162.20355	299.24073	6.39509	0.0643937	0.27517152	2.3409945	21	—	—
75544 1999 XN_{248}	15.7	X	62.52725	171.65530	164.37757	6.32914	0.2614340	0.27326333	2.3518799	21	—	—
75545 1999 XS_{251}	15.7	X	296.96721	112.01846	134.32367	2.17240	0.1280431	0.24360033	2.5391253	21	1 31.8	19.2
75546 1999 XC_{256}	16.0	X	304.93091	246.26783	191.30576	5.91386	0.0715516	0.26825093	2.3810868	21	11 19.9	18.6
75547 1999 XV_{257}	16.1	X	356.74878	319.04202	58.23882	3.62892	0.1395489	0.26720050	2.3873231	21	11 25.2	18.3
75548 1999 XG_{259}	15.0	X	174.47433	252.25271	100.45627	13.87829	0.2469705	0.24220599	2.5488609	21	2 20.3	19.5
75549 1999 XL_{260}	15.2	X	273.30480	13.81094	104.53398	6.84417	0.0491821	0.22118699	2.7078816	21	11 21.4	18.8
75550 1999 YT_{1}	14.8	X	272.40779	290.87672	257.81672	12.07802	0.2423525	0.22638956	2.6662352	21	—	—
75551 1999 YL_{4}	15.0	X	221.92429	237.15924	95.95172	2.99924	0.0789338	0.19622549	2.9329125	21	3 11.5	19.4
75552 1999 YO_{5}	15.0	X	265.86380	206.43373	356.34636	25.14659	0.2032327	0.27507189	2.3415597	21	—	—
75553 1999 YQ_{6}	14.7	X	23.40869	80.47963	347.08461	12.25607	0.1444822	0.22959738	2.6413427	21	—	—
75554 1999 YD_{12}	16.2	X	160.21247	294.23732	103.59007	2.26407	0.1386439	0.24485446	2.5304477	21	3 24.6	20.0
75555 Wonaszek	16.2	X	283.83702	11.06147	9.71367	6.35745	0.0914097	0.25422356	2.4678884	21	7 23.4	19.3
75556 1999 YT_{15}	15.5	X	344.98549	64.72380	91.89911	7.61585	0.1329550	0.23576166	2.5950990	21	—	—
75557 1999 YK_{17}	16.4	X	155.34623	259.05382	154.33422	1.05346	0.2004502	0.24300149	2.5432951	21	4 12.4	20.5
75558 1999 YE_{18}	14.8	X	291.91944	224.90273	210.56160	7.83605	0.1023208	0.26601850	2.3943896	21	10 21.4	17.4
75559 1999 YJ_{18}	14.0	X	277.23815	27.85290	154.74224	28.77307	0.1601651	0.22805384	2.6532477	21	—	—
75560 1999 YN_{22}	15.6	X	49.77454	73.94102	331.89808	12.86604	0.2041413	0.23023649	2.6364525	21	—	—
75561 1999 YR_{22}	15.1	X	320.28446	151.21360	342.08201	6.62329	0.0614744	0.27703443	2.3304881	21	—	—
75562 Wilkening	15.2	X	12.86775	279.53485	258.40747	11.69987	0.1075545	0.24237271	2.5476919	21	2 16.5	18.3
75563 1999 YA_{23}	15.2	X	85.83838	293.14809	152.41034	4.47260	0.1103727	0.24109895	2.5566572	21	2 17.9	18.1
75564 Audubon	14.9	X	357.94127	57.61554	109.37114	8.76728	0.1342292	0.28070781	2.3101121	21	—	—
75565 2000 AY	15.6	X	280.75680	312.36356	293.09280	3.35463	0.0416334	0.23393502	2.6085904	21	1 24.1	19.2
75566 2000 AZ	14.5	X	175.39992	315.85933	298.22106	5.32152	0.1136749	0.22080872	2.7109733	21	—	—
75567 2000 AK_{1}	15.2	X	89.61996	248.81002	145.54344	23.31827	0.3428560	0.28291394	2.2980871	21	1 9.4	17.2
75568 2000 AR_{1}	14.9	X	309.31623	211.05132	288.91092	6.45142	0.0586864	0.27148300	2.3621508	21	—	—
75569 IRSOL	16.1	X	218.56464	130.15555	279.51255	6.14553	0.2061871	0.25185403	2.4833434	21	5 31.1	20.2
75570 Jenőwigner	14.6	X	343.53887	225.01909	229.59951	5.10940	0.1352322	0.17961236	3.1110852	21	—	—
75571 2000 AT_{4}	15.7	X	347.54524	131.82135	286.51751	6.31539	0.0986965	0.26911669	2.3759773	21	—	—
75572 2000 AO_{6}	14.9	X	37.06893	30.76473	296.69790	12.55175	0.1214155	0.21654740	2.7464228	21	11 2.8	18.7
75573 2000 AE_{8}	15.0	X	205.01876	190.71595	10.31220	5.16560	0.1515374	0.26658488	2.3909970	21	12 3.5	18.4
75574 2000 AZ_{8}	14.5	X	271.69422	256.50677	297.51388	11.12910	0.1262122	0.22853688	2.6495077	21	—	—
75575 2000 AQ_{9}	16.0	X	287.88400	91.25255	27.49336	4.10659	0.1511191	0.26716222	2.3875512	21	12 10.6	18.3
75576 2000 AA_{10}	15.0	X	127.38607	212.40244	317.73956	6.07883	0.2001074	0.25477963	2.4642963	21	8 13.2	19.0
75577 2000 AD_{11}	15.7	X	58.96410	78.67420	288.77968	6.37005	0.2288572	0.27603737	2.3360966	21	—	—
75578 2000 AV_{11}	15.7	X	329.33133	220.49306	301.37107	3.25022	0.0837916	0.27980207	2.3150947	21	—	—
75579 2000 AS_{12}	16.2	X	282.03367	86.87958	34.11603	1.70316	0.1334724	0.26855482	2.3792902	21	12 6.0	18.5
75580 2000 AF_{13}	16.0	X	324.02061	91.46301	16.42825	2.48128	0.1634318	0.27231543	2.3573345	21	—	—
75581 2000 AN_{13}	15.1	X	261.83673	98.57454	310.03953	2.01735	0.1747132	0.25878555	2.4387991	21	7 17.1	18.2
75582 2000 AV_{13}	15.6	X	225.24232	224.95155	291.21901	5.35544	0.0651788	0.26569008	2.3963624	21	11 9.2	18.8
75583 2000 AR_{14}	16.1	X	230.77628	207.00636	276.40086	1.59546	0.1629987	0.26127131	2.4233059	21	9 20.4	19.6
75584 2000 AX_{14}	14.9	X	37.18331	175.96007	287.80015	4.09446	0.1351489	0.28089676	2.3090760	21	—	—
75585 2000 AU_{15}	14.9	X	279.19580	111.14789	86.87124	6.99771	0.0581318	0.27735648	2.3286837	21	—	—
75586 2000 AZ_{15}	15.0	X	323.97920	213.39921	302.16480	3.61269	0.1023080	0.27716409	2.3297612	21	—	—
75587 2000 AK_{16}	15.3	X	45.15927	253.99569	86.25678	7.35228	0.1560377	0.26852133	2.3794880	21	12 20.1	18.4
75588 2000 AQ_{16}	14.7	X	192.69984	137.17328	79.97106	7.03202	0.1771778	0.26723729	2.3871040	21	12 9.6	18.3
75589 2000 AX_{16}	15.3	X	4.87690	61.30096	87.04056	10.25363	0.0809031	0.23543277	2.5975153	21	1 4.9	18.5
75590 2000 AH_{17}	15.5	X	243.64428	198.16823	283.45569	5.48610	0.0838155	0.26290098	2.4132811	21	10 13.3	18.6
75591 2000 AN_{18}	15.0	X	133.85938	276.78804	75.61683	7.90305	0.1423149	0.28063357	2.3105195	21	—	—
75592 2000 AH_{19}	15.0	X	269.14620	162.87189	0.85282	3.60195	0.1448628	0.22550814	2.6731781	21	12 30.9	18.3
75593 2000 AT_{19}	15.7	X	342.21035	182.99821	293.35186	4.39994	0.0397226	0.27594278	2.3366304	21	—	—
75594 2000 AN_{21}	15.4	X	88.39160	356.02555	50.27474	4.45878	0.1124868	0.23513602	2.5997002	21	1 2.3	18.4
75595 2000 AM_{22}	15.5	X	183.29591	175.13701	4.56010	2.18440	0.1557176	0.26098234	2.4250943	21	10 15.2	19.1
75596 2000 AA_{23}	15.9	X	187.44949	92.82131	34.58839	1.25696	0.1445003	0.25525389	2.4612428	21	8 14.1	19.5
75597 2000 AS_{23}	14.9	X	3.35343	129.34502	80.24411	8.17339	0.1637314	0.24126083	2.5555135	21	3 23.9	17.5
75598 2000 AY_{23}	15.2	X	104.17605	329.42216	22.09692	3.78522	0.1671378	0.23090316	2.6313753	21	—	—
75599 2000 AG_{24}	14.4	X	61.30435	235.76993	92.23562	14.21271	0.1869773	0.22223982	2.6993226	21	12 18.7	18.3
75600 2000 AQ_{27}	14.9	X	120.94223	305.56786	60.19216	6.10200	0.1718175	0.23435179	2.6054967	21	1 4.7	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
75601 2000 AB_{28}	14.8	X	272.45801	124.16339	101.18863	15.63345	0.2561788	0.22974577	2.6402053	21	—	—
75602 2000 AF_{28}	15.8	X	156.88903	224.65161	344.90549	0.75334	0.1281743	0.26066767	2.4270456	21	10 28.3	19.5
75603 2000 AT_{28}	15.2	X	197.11965	112.35943	87.90097	6.85786	0.0829892	0.26513173	2.3997256	21	12 2.5	18.3
75604 2000 AZ_{30}	14.8	X	198.85616	261.72463	95.62912	15.71983	0.1601392	0.24210204	2.5495904	21	3 18.9	19.2
75605 2000 AA_{32}	15.4	X	162.08253	159.01624	70.85120	7.18634	0.0923458	0.26357226	2.4091819	21	11 29.9	18.9
75606 2000 AL_{32}	14.6	X	69.80645	281.23332	105.86658	13.82205	0.1813370	0.22960472	2.6412865	21	—	—
75607 2000 AD_{33}	15.1	X	221.02224	265.18660	87.52056	10.25169	0.1962778	0.24422615	2.5347858	21	3 29.9	19.5
75608 2000 AC_{34}	13.9	X	12.67635	283.36739	313.68489	12.36314	0.1414814	0.24425011	2.5346201	21	5 15.8	16.8
75609 2000 AF_{34}	15.0	X	83.98652	44.81862	10.38942	3.40744	0.2302291	0.23489372	2.6014877	21	1 25.4	17.7
75610 2000 AU_{34}	14.9	X	31.19906	32.66459	315.93998	15.10238	0.1142137	0.21799376	2.7342612	21	11 22.5	18.7
75611 2000 AB_{38}	15.2	X	219.70984	36.01612	96.23477	7.01556	0.1079335	0.21328055	2.7743966	21	9 26.2	19.4
75612 2000 AE_{38}	14.9	X	169.08575	253.71601	101.53781	14.25760	0.2029159	0.23858347	2.5745963	21	2 16.2	19.2
75613 2000 AJ_{39}	15.5	X	63.10543	93.61313	92.99892	8.55463	0.1782607	0.24382308	2.5375786	21	6 15.6	18.2
75614 2000 AS_{40}	14.8	X	302.88990	90.01023	347.04600	4.60505	0.1407464	0.21790838	2.7349755	21	10 26.9	17.9
75615 2000 AU_{40}	15.3	X	139.74902	322.33992	92.62781	6.67137	0.1179412	0.24026374	2.5625788	21	3 25.3	19.0
75616 2000 AX_{40}	15.4	X	134.06510	57.90392	30.04397	4.46254	0.0992154	0.24300708	2.5432561	21	4 24.3	19.0
75617 2000 AA_{41}	14.1	X	265.17991	98.03832	93.33008	7.37851	0.0544009	0.27129488	2.3632427	21	—	—
75618 2000 AM_{42}	14.4	X	202.51103	114.42285	86.79684	23.02843	0.2268967	0.25944516	2.4346638	21	11 27.9	18.4
75619 2000 AO_{42}	15.2	X	28.60029	55.58566	330.36562	5.01817	0.1988082	0.27613274	2.3355586	21	—	—
75620 2000 AP_{42}	15.5	X	79.91312	79.44283	290.73937	7.41017	0.2422864	0.28095635	2.3087495	21	—	—
75621 2000 AG_{43}	15.1	X	252.81057	306.13866	109.62447	14.71057	0.1203278	0.25616339	2.4554137	21	7 23.6	18.5
75622 2000 AH_{46}	15.8	X	343.41937	143.29940	280.65370	7.54956	0.0700392	0.26880675	2.3778034	21	—	—
75623 2000 AO_{47}	15.5	X	102.14227	117.59789	317.39464	4.36582	0.1899225	0.23785200	2.5798721	21	3 10.9	18.8
75624 2000 AR_{47}	15.7	X	191.94857	146.87421	356.54922	2.28761	0.1302759	0.25531221	2.4608681	21	9 8.8	19.4
75625 2000 AA_{48}	15.7	X	84.63913	81.07743	344.26929	2.44102	0.2183448	0.23466982	2.6031421	21	2 7.1	18.3
75626 2000 AQ_{48}	15.5	X	21.85114	345.75727	52.39563	6.41546	0.2065564	0.27597562	2.3364451	21	—	—
75627 2000 AT_{48}	15.4	X	310.71916	319.21441	83.30483	7.14036	0.1472605	0.26784439	2.3834956	21	10 6.3	17.7
75628 2000 AU_{48}	15.5	X	244.04799	319.34495	78.50497	11.07048	0.1726320	0.25917565	2.4363514	21	6 11.9	19.1
75629 2000 AK_{50}	14.8	X	16.29457	53.90605	121.06125	17.76505	0.1152430	0.23724437	2.5842753	21	3 1.7	17.8
75630 2000 AR_{51}	14.7	X	190.72469	297.27898	311.47183	5.91221	0.0892939	0.27885960	2.3203080	21	—	—
75631 2000 AV_{51}	15.1	X	109.67609	27.97788	326.86286	5.21533	0.1936080	0.28317782	2.2966592	21	—	—
75632 2000 AY_{51}	14.9	X	249.67655	176.73924	16.45885	7.09045	0.0439075	0.27827978	2.3235300	21	—	—
75633 2000 AF_{52}	15.3	X	236.14521	145.11535	288.69361	7.01014	0.2051865	0.21449999	2.7638716	21	7 17.7	19.6
75634 2000 AQ_{52}	15.2	X	96.52026	28.85256	300.91692	4.15808	0.2502022	0.27891366	2.3200082	21	—	—
75635 2000 AY_{52}	15.7	X	263.10989	159.06712	284.35850	3.91821	0.1549886	0.26390248	2.4071717	21	9 6.7	18.7
75636 2000 AE_{53}	15.1	X	140.96561	355.25501	262.76100	5.96796	0.0904492	0.27006530	2.3704103	21	12 14.1	18.3
75637 2000 AQ_{53}	15.1	X	220.29849	69.97660	109.08687	6.85139	0.0583901	0.26531706	2.3986079	21	12 6.8	18.2
75638 2000 AW_{53}	15.1	X	79.48903	4.68187	113.93446	5.24359	0.1316104	0.23985662	2.5654777	21	3 31.9	18.1
75639 2000 AV_{54}	16.1	X	290.81771	329.31007	107.23234	7.44134	0.1047738	0.26225532	2.4172404	21	10 24.3	18.8
75640 2000 AE_{55}	14.1	X	242.52825	101.56924	118.38582	13.06438	0.1247168	0.22556337	2.6727418	21	—	—
75641 2000 AS_{55}	15.3	X	324.57298	284.98523	325.14455	3.80553	0.0803652	0.24083635	2.5585154	21	3 20.2	18.4
75642 2000 AD_{56}	15.8	X	167.14992	64.73558	124.29583	4.52726	0.1172522	0.25813305	2.4429072	21	10 14.9	19.4
75643 2000 AR_{57}	15.4	X	105.12589	286.17487	115.56616	3.55674	0.1809677	0.23518954	2.5993059	21	1 31.3	18.6
75644 2000 AE_{58}	14.7	X	263.44733	221.16595	296.76915	6.44508	0.1497762	0.22051039	2.7134179	21	12 12.5	18.0
75645 2000 AR_{58}	15.3	X	163.78461	277.34192	107.09903	8.56532	0.1691690	0.24026754	2.5625517	21	3 16.9	19.4
75646 2000 AD_{59}	15.7	X	136.98846	154.72086	24.38084	2.01577	0.1124002	0.25262872	2.4782640	21	8 29.8	19.3
75647 2000 AR_{59}	13.4	X	219.77127	103.83161	125.49304	14.21271	0.2568707	0.17486220	3.1671752	21	12 27.8	18.6
75648 2000 AW_{59}	15.2	X	40.15581	123.24362	308.20347	14.51952	0.1193375	0.22922223	2.6442239	21	—	—
75649 2000 AE_{62}	14.3	X	164.16760	309.55207	307.93669	22.84620	0.2353471	0.26372575	2.4082470	21	—	—
75650 2000 AO_{63}	15.4	X	354.13359	229.25165	1.92939	3.49668	0.1911576	0.23918883	2.5702505	21	3 29.1	17.6
75651 2000 AS_{63}	14.7	X	283.48138	79.59602	119.94430	11.20996	0.1542338	0.22666925	2.6640415	21	—	—
75652 2000 AZ_{63}	15.2	X	130.65787	123.98729	324.51413	5.67529	0.1671709	0.24258442	2.5462094	21	4 26.6	19.0
75653 2000 AG_{64}	14.6	X	261.97254	129.72877	122.00866	9.38491	0.0409442	0.27779523	2.3262311	21	—	—
75654 2000 AV_{65}	15.2	X	283.82292	158.29068	331.64843	13.49764	0.1125493	0.21988758	2.7185391	21	12 10.7	18.8
75655 2000 AT_{66}	14.9	X	172.81219	85.70095	104.89161	8.67481	0.1654488	0.21079400	2.7961720	21	10 18.5	19.6
75656 2000 AS_{68}	15.5	X	5.03301	320.23000	111.33326	6.71615	0.1540426	0.27476623	2.3432960	21	—	—
75657 2000 AW_{75}	15.9	X	300.54483	251.82178	230.39067	1.95748	0.1189611	0.27046035	2.3681015	21	—	—
75658 2000 AE_{76}	15.2	X	339.31777	191.94006	139.46116	6.92554	0.1551423	0.25899016	2.4375145	21	8 7.2	17.2
75659 2000 AP_{76}	15.1	X	135.56093	246.85508	155.34392	4.01053	0.1604350	0.24155456	2.5534414	21	3 5.9	18.8
75660 2000 AG_{77}	15.0	X	221.60472	338.05705	128.53624	5.06815	0.1281545	0.25800761	2.4436990	21	8 24.1	18.4
75661 2000 AB_{79}	15.4	X	357.74248	281.97165	126.43550	4.57847	0.1353309	0.26961422	2.3730534	21	—	—
75662 2000 AG_{79}	15.9	X	309.56766	246.85587	125.72905	2.65864	0.2402066	0.21490044	2.7604371	21	7 25.3	18.6
75663 2000 AB_{81}	15.6	X	165.46971	256.55983	120.13986	4.24316	0.1488524	0.24267841	2.5455519	21	3 4.7	19.5
75664 2000 AX_{82}	15.0	X	215.81537	186.67809	155.69771	3.69871	0.2515307	0.24428112	2.5344056	21	3 7.4	19.3
75665 2000 AY_{83}	15.8	X	81.79409	254.62656	136.01185	3.85823	0.0898011	0.23119579	2.6291545	21	—	—
75666 2000 AG_{85}	15.7	X	266.37598	327.81431	131.76175	2.38229	0.1168741	0.26180946	2.4199840	21	10 13.6	18.4
75667 2000 AM_{86}	15.7	X	28.93149	310.00212	125.73386	2.48806	0.1836963	0.22966857	2.6407969	21	—	—
75668 2000 AW_{87}	15.2	X	250.60208	112.15903	262.32907	0.97987	0.0828235	0.20349285	2.8626612	21	5 31.5	19.3
75669 2000 AH_{88}	15.7	X	209.83097	310.36147	169.47089	2.36684	0.1486678	0.25589005	2.4571619	21	8 25.8	19.2
75670 2000 AN_{89}	14.5	X	15.62048	231.46507	130.55846	8.02154	0.1792249	0.21851751	2.7298905	21	12 1.7	17.8
75671 2000 AG_{92}	14.3	X	320.44369	160.45212	308.84820	13.67031	0.0588447	0.22131469	2.7068398	21	—	—
75672 2000 AH_{92}	15.1	X	202.56067	322.10731	66.26568	2.49500	0.1697026	0.24447098	2.5330933	21	4 22.4	19.2
75673 2000 AM_{94}	15.3	X	39.47362	205.90932	4.36002	3.91129	0.1363339	0.24573031	2.5244313	21	5 31.6	17.9
75674 2000 AZ_{95}	15.0	X	150.26908	69.34945	334.39113	3.49951	0.2919361	0.24147931	2.5539718	21	4 1.2	19.4
75675 2000 AB_{96}	14.6	X	175.95701	223.15004	127.16534	15.29808	0.1223077	0.23397074	2.6083249	21	2 9.4	18.5
75676 2000 AL_{96}	14.8	X	356.65067	338.05557	121.91954	14.77825	0.1638731	0.22554658	2.6728744	21	—	—
75677 2000 AU_{96}	15.0	X	129.83621	292.26786	130.48936	28.47181	0.2541824	0.23950876	2.5679611	21	4 15.4	19.6
75678 2000 AA_{97}	15.0	X	297.38447	15.77838	129.90284	6.74331	0.0768955	0.26771742	2.3842491	21	—	—
75679 2000 AU_{97}	14.8	X	224.25651	143.44029	339.13216	12.61127	0.2142446	0.20977115	2.8052542	21	9 4.3	19.2
75680 2000 AW_{97}	14.4	X	55.92973	146.06379	345.29663	11.62568	0.1117812	0.23477162	2.6023896	21	3 6.3	17.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
75681 2000 AL_{98}	14.4	X	286.48073	353.56910	113.46619	9.26998	0.1446815	0.26143940	2.4222671	21	11 23.3	16.9
75682 2000 AC_{99}	15.1	X	156.01395	232.51072	97.67041	6.37092	0.2169425	0.28679017	2.2773330	21	—	—
75683 2000 AH_{99}	15.8	X	37.69200	186.94543	172.64755	2.40085	0.2518054	0.27483740	2.3428914	21	—	—
75684 2000 AN_{99}	14.7	X	224.71769	8.57270	91.29268	6.90507	0.0705955	0.26194748	2.4191339	21	8 27.6	18.0
75685 2000 AX_{99}	15.3	X	45.85927	224.05450	202.92807	4.21089	0.2486816	0.23529138	2.5985557	21	—	—
75686 2000 AQ_{100}	15.1	X	253.21702	275.85285	76.07700	13.47286	0.1966316	0.25479445	2.4642007	21	4 25.7	19.1
75687 2000 AR_{100}	16.1	X	298.28550	307.94052	138.65611	5.85170	0.1864578	0.26871451	2.3783475	21	11 11.9	18.2
75688 2000 AG_{101}	15.7	X	269.36753	357.32497	97.83384	8.61157	0.1685173	0.26538440	2.3982021	21	10 7.8	18.6
75689 2000 AD_{103}	15.0	X	302.61781	313.86439	219.40239	6.62526	0.1566095	0.27769000	2.3268188	21	—	—
75690 2000 AO_{103}	15.9	X	224.74452	343.60727	121.70117	7.36053	0.1175525	0.25997761	2.4313384	21	8 28.2	19.3
75691 2000 AQ_{103}	15.2	X	125.54651	274.12513	116.52683	7.56162	0.1218063	0.28582990	2.2824308	21	1 24.2	17.9
75692 2000 AW_{103}	14.4	X	191.03928	180.87699	100.80142	16.13912	0.0754753	0.23435838	2.6054479	21	—	—
75693 2000 AJ_{104}	15.7	X	4.79020	297.18408	172.67804	4.86873	0.1449175	0.23228172	2.6209537	21	—	—
75694 2000 AU_{104}	15.7	X	12.87642	316.36160	109.50100	8.63990	0.1284628	0.27573646	2.3377959	21	—	—
75695 2000 AK_{106}	14.6	X	82.11978	162.81093	184.26789	5.46651	0.1489433	0.27391611	2.3481419	21	—	—
75696 2000 AJ_{109}	15.5	X	266.43887	18.03693	125.67478	5.85521	0.1154046	0.22217982	2.6998086	21	12 4.9	18.9
75697 2000 AP_{110}	15.6	X	355.60459	327.75019	119.37234	15.33143	0.0655970	0.22680834	2.6629522	21	—	—
75698 2000 AS_{110}	15.3	X	174.54419	20.72962	175.01041	5.13601	0.1454343	0.26127933	2.4232563	21	10 29.2	19.0
75699 2000 AB_{112}	15.7	X	199.68778	91.04716	286.50097	10.52334	0.1503209	0.24542057	2.5265549	21	3 30.8	20.0
75700 2000 AU_{112}	15.0	X	13.60649	213.42948	266.13220	12.39925	0.2070207	0.23190358	2.6238021	21	—	—
75701 2000 AF_{113}	15.1	X	75.03763	107.27752	269.65773	13.50538	0.0988302	0.22843957	2.6502601	21	—	—
75702 2000 AN_{114}	15.1	X	141.24002	240.63933	163.75814	4.81055	0.1666772	0.24096627	2.5575956	21	3 15.6	18.9
75703 2000 AM_{115}	14.4	X	127.88931	144.06673	206.76025	5.72622	0.1321392	0.27763557	2.3271228	21	—	—
75704 2000 AV_{115}	15.7	X	240.56485	249.01667	209.01858	3.92037	0.1563379	0.25819961	2.4424874	21	8 28.8	19.1
75705 2000 AP_{116}	15.3	X	358.64629	328.06368	132.05203	13.48722	0.1212853	0.22786328	2.6547267	21	—	—
75706 2000 AJ_{117}	15.4	X	143.03148	17.14994	154.63521	5.95343	0.0930719	0.25341607	2.4731281	21	8 24.8	18.8
75707 2000 AL_{117}	15.0	X	84.63679	248.37534	128.83409	15.42137	0.1389872	0.22955773	2.6416469	21	—	—
75708 2000 AR_{117}	14.9	X	19.76173	158.04921	282.07550	13.43639	0.0505980	0.22751989	2.6573972	21	—	—
75709 2000 AB_{118}	14.7	X	111.77380	301.39862	271.55404	10.96094	0.0137400	0.20920230	2.8103370	21	8 25.9	18.8
75710 2000 AC_{118}	15.0	X	341.55675	337.66436	247.91367	7.77170	0.1142875	0.23933665	2.5691921	21	3 4.8	18.3
75711 2000 AM_{118}	14.8	X	177.93868	172.96698	203.37055	5.30930	0.2589411	0.24292614	2.5438210	21	3 18.7	19.2
75712 2000 AQ_{118}	14.5	X	327.37431	93.74225	150.92388	8.45559	0.1591966	0.23940526	2.5687012	21	3 7.4	17.4
75713 2000 AR_{118}	13.7	X	180.85418	129.93839	132.97284	17.29154	0.1232168	0.17777162	3.1325241	21	—	—
75714 2000 AT_{118}	14.9	X	186.00449	344.42163	159.40270	5.09782	0.1300479	0.25541281	2.4602218	21	9 3.1	18.4
75715 2000 AM_{120}	15.5	X	267.24990	347.19288	138.07231	8.65515	0.1328127	0.26421558	2.4052696	21	11 19.6	18.4
75716 2000 AS_{120}	15.6	X	242.71383	263.31982	201.04682	4.19424	0.1371941	0.25860508	2.4399337	21	9 11.9	19.0
75717 2000 AU_{120}	15.2	X	293.82917	268.39129	153.02771	8.93025	0.1455260	0.21486909	2.7607055	21	9 22.7	18.6
75718 2000 AA_{122}	14.6	X	133.59962	309.00845	260.62474	13.15732	0.2172687	0.25624371	2.4549006	21	10 2.7	19.1
75719 2000 AZ_{122}	15.6	X	168.24956	342.00267	212.69968	4.32608	0.0501688	0.21406492	2.7676152	21	10 17.6	19.6
75720 2000 AK_{127}	14.7	X	325.24477	329.37312	269.59762	6.54449	0.1595190	0.23669587	2.5882661	21	2 20.8	18.1
75721 2000 AS_{127}	15.0	X	170.35683	355.06121	141.70641	6.57136	0.0679300	0.25182400	2.4835408	21	8 8.4	18.4
75722 2000 AB_{128}	15.4	X	103.14159	182.57076	217.42068	3.12450	0.3041568	0.23558937	2.5963641	21	2 12.6	18.8
75723 2000 AJ_{128}	14.8	X	103.34104	133.18388	290.08724	9.80125	0.1586934	0.23593934	2.5937960	21	2 18.3	18.2
75724 2000 AX_{129}	15.2	X	46.49914	299.87029	134.46463	11.95345	0.1020490	0.22945271	2.6424529	21	—	—
75725 2000 AD_{131}	15.4	X	26.52825	156.08434	296.98203	1.39098	0.1837474	0.23019508	2.6367686	21	—	—
75726 2000 AG_{131}	15.1	X	99.55048	188.55507	307.74548	12.46272	0.1170578	0.24226394	2.5484544	21	5 15.2	18.8
75727 2000 AO_{131}	15.4	X	54.91825	33.83800	0.14813	6.49998	0.1272884	0.27591831	2.3367686	21	—	—
75728 2000 AJ_{132}	15.8	X	92.30705	69.90182	84.67815	5.27786	0.0590805	0.24635728	2.5201465	21	5 25.4	19.1
75729 2000 AH_{133}	14.9	X	95.99187	358.22521	68.32058	6.78290	0.1664037	0.23588783	2.5941735	21	2 20.6	18.1
75730 2000 AS_{134}	15.6	X	309.19344	163.68534	328.61968	6.08284	0.1092410	0.27171441	2.3608094	21	—	—
75731 2000 AX_{134}	15.2	X	213.41883	46.42674	76.63894	10.00738	0.1028589	0.21205107	2.7851104	21	9 9.6	19.5
75732 2000 AS_{135}	16.0	X	51.45714	165.73887	309.67606	2.90618	0.1414915	0.23648805	2.5897822	21	2 5.7	18.4
75733 2000 AJ_{137}	15.0	X	59.51676	168.24093	344.05330	11.14190	0.2251572	0.23718260	2.5847239	21	4 21.9	17.8
75734 2000 AF_{139}	14.4	X	355.41011	198.87903	115.73126	7.65201	0.1526515	0.30954364	2.1643199	21	8 24.3	15.8
75735 2000 AZ_{139}	15.5	X	70.71886	263.80298	137.64579	6.72806	0.2259208	0.28193800	2.3033873	21	—	—
75736 2000 AA_{143}	14.8	X	352.43384	292.26187	298.81458	11.79894	0.1348281	0.23835025	2.5762755	21	3 25.3	18.0
75737 2000 AS_{144}	14.4	X	278.43114	154.56792	327.59864	12.74668	0.1216529	0.21629578	2.7485524	21	11 16.9	18.1
75738 2000 AF_{145}	14.7	X	91.91078	194.69515	104.53567	25.76257	0.1730810	0.26705320	2.3882009	21	12 21.5	18.6
75739 2000 AQ_{145}	14.5	X	226.82903	227.02952	253.50566	6.63623	0.1728666	0.21099759	2.7943731	21	9 5.1	18.9
75740 2000 AF_{148}	15.2	X	235.36095	337.84979	266.65562	14.08575	0.0565245	0.23042186	2.6350383	21	—	—
75741 2000 AK_{149}	13.9	X	289.13280	52.24049	117.77457	14.87972	0.0935140	0.18418094	3.0594234	21	—	—
75742 2000 AQ_{149}	15.1	X	151.55036	186.52063	184.94725	6.30147	0.2614789	0.24039920	2.5616161	21	2 20.2	19.3
75743 2000 AF_{150}	14.9	X	320.34588	314.43841	238.45014	10.97345	0.1462376	0.23304884	2.6151991	21	—	—
75744 2000 AF_{151}	14.9	X	120.26154	78.90608	302.32746	11.39133	0.2032253	0.23458601	2.6037621	21	1 27.1	18.3
75745 2000 AF_{152}	14.3	X	29.55740	32.43859	94.13767	24.53568	0.1860864	0.28440598	2.2900426	21	—	—
75746 2000 AD_{153}	14.9	X	331.08700	61.69145	142.05836	23.72019	0.2250146	0.28069952	2.3101576	21	—	—
75747 2000 AX_{153}	15.0	X	39.91704	241.69541	50.99902	7.05541	0.1312081	0.30684633	2.1769849	21	10 13.4	17.2
75748 2000 AY_{154}	15.5	X	49.50587	317.86477	52.51150	6.95464	0.0993607	0.27333754	2.3514542	21	—	—
75749 2000 AL_{155}	15.7	X	346.22069	179.37638	295.32652	6.80152	0.0605177	0.27630040	2.3346138	21	—	—
75750 2000 AJ_{156}	16.1	X	269.83008	57.29050	40.14566	2.77579	0.1728104	0.26347733	2.4097605	21	10 6.4	18.7
75751 2000 AR_{158}	14.8	X	224.51325	249.26622	99.93178	5.97015	0.1254275	0.19844353	2.9110171	21	4 1.9	19.4
75752 2000 AU_{159}	15.8	X	298.09409	346.05259	76.66779	3.30174	0.1880701	0.26224791	2.4172859	21	10 2.9	18.1
75753 2000 AH_{160}	15.2	X	140.44550	291.03036	292.23811	6.78759	0.1307305	0.21450541	2.7638251	21	10 21.6	19.8
75754 2000 AX_{161}	16.1	X	212.74747	249.48114	230.59276	0.55188	0.1240607	0.25713157	2.4492462	21	8 31.4	19.7
75755 2000 AF_{162}	16.4	X	336.31926	108.22983	5.29775	1.24519	0.2480185	0.22596367	2.6695843	21	—	—
75756 2000 AR_{165}	15.2	X	59.76325	318.97403	136.14676	14.48532	0.2590544	0.23682769	2.5873056	21	2 5.3	16.8
75757 2000 AG_{166}	12.9	X	97.12437	13.21250	271.89687	27.32571	0.1232079	0.17117601	3.2124826	21	11 18.6	18.1
75758 2000 AK_{166}	15.3	X	48.03043	254.01074	154.43674	13.62251	0.0869193	0.22839966	2.6505688	21	—	—
75759 2000 AH_{168}	15.2	X	4.65281	92.54938	129.79806	6.91214	0.1382609	0.24624292	2.5209267	21	4 14.4	17.8
75760 2000 AP_{168}	15.7	X	41.78167	215.21140	129.28135	7.16958	0.0458726	0.21742467	2.7390303	21	11 26.6	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
75761 2000 AC_{171}	15.3	X	0.55091	203.93390	164.60149	6.58244	0.1306503	0.26703740	2.3882951	21	11 20.1	17.8
75762 2000 AS_{173}	15.2	X	46.18626	251.92097	231.34187	11.73284	0.2104135	0.23741622	2.5830281	21	2 4.9	17.8
75763 2000 AV_{178}	14.7	X	232.38953	97.87740	140.12894	13.36004	0.1461956	0.22792459	2.6542506	21	—	—
75764 2000 AX_{179}	14.8	X	347.33468	285.08333	252.97509	11.90585	0.1132885	0.23474256	2.6026044	21	1 11.6	18.1
75765 2000 AT_{184}	15.1	X	351.29991	276.13436	149.92411	9.26758	0.1848665	0.27005541	2.3704682	21	—	—
75766 2000 AG_{185}	15.5	X	57.67163	42.14365	148.52984	13.61984	0.1108957	0.24430319	2.5342529	21	6 4.2	18.8
75767 2000 AM_{185}	13.4	X	289.49109	304.26758	280.54950	8.03106	0.1332301	0.17986029	3.1082255	21	1 8.2	17.9
75768 2000 AE_{186}	14.4	X	345.60004	303.02421	180.23426	13.11209	0.0900866	0.23430052	2.6058768	21	—	—
75769 2000 AM_{187}	14.7	X	286.20414	19.95077	115.14661	16.22246	0.1025861	0.22667812	2.6639720	21	12 25.8	17.9
75770 2000 AX_{190}	14.2	X	102.87484	197.33341	179.20252	13.96799	0.1686458	0.23390750	2.6087950	21	—	—
75771 2000 AD_{193}	15.3	X	353.11169	225.51685	246.22392	14.56882	0.0897368	0.22805171	2.6532642	21	—	—
75772 2000 AP_{195}	15.4	X	147.94188	131.78660	260.34157	12.24179	0.1625645	0.23891520	2.5722126	21	2 28.2	19.5
75773 2000 AC_{196}	14.2	X	359.68436	290.99094	265.48075	14.27079	0.0766248	0.23734534	2.5835423	21	2 22.4	17.7
75774 2000 AF_{196}	15.1	X	132.16542	241.93946	192.47820	9.66636	0.1770482	0.24170403	2.5523885	21	4 14.5	18.9
75775 2000 AG_{197}	14.1	X	252.38277	16.77829	264.44100	11.76187	0.1604222	0.23388858	2.6089357	21	1 24.4	18.5
75776 2000 AC_{198}	15.4	X	144.71941	198.59544	240.51140	9.45853	0.1559042	0.24319207	2.5419662	21	4 29.6	19.2
75777 2000 AF_{198}	14.1	X	190.59326	349.91256	152.50063	17.98740	0.0675793	0.20890311	2.8130197	21	9 7.0	18.2
75778 2000 AY_{198}	14.4	X	338.09592	74.30644	164.65629	14.09757	0.1267494	0.19282452	2.9672983	21	3 30.2	18.0
75779 2000 AC_{201}	14.6	X	74.96789	276.87004	135.32566	26.71598	0.2960397	0.23579669	2.5948419	21	1 13.6	17.1
75780 2000 AU_{202}	15.1	X	354.72687	250.58292	256.91739	13.19319	0.1241997	0.22910672	2.6451126	21	—	—
75781 2000 AA_{203}	13.4	X	243.88828	316.33373	294.21588	20.86715	0.0253148	0.18022594	3.1040200	21	1 1.6	17.9
75782 2000 AG_{203}	15.1	X	309.48095	2.01344	188.55198	13.41189	0.2074280	0.22642318	2.6659713	21	—	—
75783 2000 AZ_{204}	15.6	X	96.91832	335.83162	348.93307	1.51273	0.0857445	0.22315223	2.6919597	21	—	—
75784 2000 AR_{205}	15.2	X	307.41804	186.57728	285.99971	4.40675	0.0169059	0.22115659	2.7081297	21	12 30.9	18.8
75785 2000 AS_{205}	15.8	X	82.33251	7.00241	119.14357	6.64491	0.0597952	0.24127247	2.5554312	21	4 5.2	19.1
75786 2000 AQ_{207}	16.0	X	341.60525	311.58816	142.51076	5.80897	0.2441399	0.22407576	2.6845580	21	—	—
75787 2000 AG_{210}	15.0	X	291.19065	162.21751	93.99800	15.49495	0.0730762	0.24117625	2.5561109	21	2 18.9	18.7
75788 2000 AM_{214}	15.8	X	193.95706	93.53883	286.65896	2.72811	0.2051358	0.24390005	2.5370447	21	4 2.9	20.1
75789 2000 AO_{215}	16.2	X	38.94533	309.29874	110.53322	5.51410	0.1365038	0.22907408	2.6453638	21	—	—
75790 2000 AJ_{218}	15.3	X	248.85635	204.13903	314.03889	2.52146	0.0295309	0.22084721	2.7106583	21	12 10.8	19.0
75791 2000 AH_{219}	15.3	X	171.36179	306.95116	312.11461	4.24760	0.0886096	0.22305195	2.6927665	21	—	—
75792 2000 AV_{224}	16.0	X	175.97280	172.51391	57.05650	1.27110	0.1703443	0.26430808	2.4047084	21	12 9.1	19.8
75793 2000 AZ_{225}	15.4	X	67.22662	19.13100	307.13592	2.57246	0.2153015	0.22266807	2.6958605	21	12 25.7	19.4
75794 2000 AO_{227}	15.3	X	196.72699	203.83456	324.97232	3.54660	0.0088392	0.21190395	2.7863993	21	10 19.7	19.2
75795 2000 AZ_{229}	16.1	X	99.67486	145.41898	301.19696	3.09840	0.1546841	0.23980796	2.5658247	21	3 17.1	19.2
75796 2000 AK_{230}	15.0	X	285.54218	28.08648	73.19630	10.40237	0.1562077	0.21794946	2.7346318	21	11 3.0	18.2
75797 2000 AN_{232}	15.3	X	258.92471	129.22805	301.29295	5.09670	0.0515438	0.20998407	2.8033575	21	8 26.8	19.1
75798 2000 AS_{232}	15.5	X	0.95460	325.73950	96.27345	7.12822	0.0893917	0.26898026	2.3767807	21	—	—
75799 2000 AB_{233}	15.2	X	15.94448	133.63092	38.74201	4.51234	0.1353102	0.23596777	2.5935876	21	2 22.6	17.9
75800 2000 AD_{233}	15.3	X	248.35044	93.62887	57.74229	3.44613	0.1191834	0.26363044	2.4088274	21	11 26.6	18.1
75801 2000 AO_{233}	15.1	X	18.51138	180.11647	350.76481	11.96793	0.1814721	0.23358912	2.6111649	21	2 23.5	17.6
75802 2000 AQ_{234}	14.9	X	242.10114	152.60490	100.62873	15.32429	0.0525060	0.23378855	2.6096798	21	—	—
75803 2000 AX_{234}	15.1	X	181.57442	306.50381	280.76211	13.88590	0.1070459	0.21995605	2.7179749	21	12 9.1	19.3
75804 2000 AH_{236}	15.2	X	16.58615	288.95118	161.42633	13.22206	0.1351275	0.22818255	2.6522498	21	—	—
75805 2000 AN_{236}	14.3	X	248.68439	351.02433	312.02441	10.10406	0.0807792	0.19130987	2.9829396	21	2 27.6	18.8
75806 2000 AW_{237}	14.6	X	283.23689	317.14149	301.91312	4.04219	0.1606751	0.23396865	2.6083404	21	1 30.1	18.4
75807 2000 AD_{239}	15.2	X	241.31614	177.87117	297.97882	5.55758	0.0649864	0.21423330	2.7661649	21	9 29.3	19.2
75808 2000 AZ_{242}	14.1	X	4.45757	307.50877	240.47408	7.48481	0.0284191	0.23592611	2.5938929	21	2 26.4	17.5
75809 2000 AC_{243}	14.9	X	250.97288	311.29923	206.24009	7.75243	0.2212571	0.21704854	2.7421938	21	11 15.2	18.6
75810 2000 AX_{244}	14.8	X	208.46273	267.91295	197.17580	3.85821	0.1034454	0.25267614	2.4779539	21	8 7.1	18.4
75811 2000 AZ_{244}	14.6	X	14.57959	311.68041	144.54295	12.41376	0.2216948	0.22720110	2.6598824	21	—	—
75812 2000 BF	14.7	X	350.07190	319.77357	304.25392	12.74573	0.1264223	0.24481767	2.5307012	21	5 12.3	17.7
75813 2000 BK_3	14.1	X	244.99226	227.26702	347.61376	12.77199	0.0125692	0.22576319	2.6711645	21	—	—
75814 2000 BX_3	14.1	X	330.44473	145.21004	350.77083	12.77781	0.1238063	0.22558510	2.6725701	21	—	—
75815 2000 BA_6	14.1	X	55.48913	349.26371	5.05622	16.61541	0.2259672	0.22401556	2.6850390	21	—	—
75816 2000 BD_6	14.9	X	210.64815	204.70284	34.31978	12.37615	0.1462222	0.22449254	2.6812344	21	—	—
75817 2000 BM_7	15.4	X	220.83554	95.47730	106.89876	6.72965	0.0611748	0.26762370	2.3848057	21	—	—
75818 2000 BV_8	14.7	X	332.12292	225.55774	2.97522	9.35780	0.0591734	0.19285133	2.9670233	21	3 15.1	18.7
75819 2000 BW_8	15.1	X	261.03400	116.27872	97.45898	15.65956	0.0914453	0.22722577	2.6596898	21	—	—
75820 2000 BQ_{11}	15.9	X	309.48125	101.04809	137.65709	0.38057	0.1183052	0.19198670	2.9759248	21	2 16.9	19.8
75821 2000 BU_{12}	15.3	X	316.49983	308.27573	132.84121	8.27755	0.0918682	0.21832152	2.7315240	21	12 1.8	18.7
75822 2000 BH_{15}	14.7	X	306.88017	62.47779	92.86199	12.65597	0.0794947	0.22442116	2.6818028	21	—	—
75823 Csokonai	14.3	X	143.56797	51.29405	286.55716	14.90321	0.0906967	0.18046861	3.1012368	21	—	—
75824 2000 BS_{15}	15.4	X	168.46865	120.64098	57.26189	6.81613	0.0690478	0.25779669	2.4450317	21	10 4.0	18.9
75825 2000 BX_{16}	15.3	X	284.97807	235.27163	325.35320	5.57881	0.0193108	0.27674261	2.3321261	21	—	—
75826 2000 BH_{17}	15.1	X	236.70458	319.24494	112.97191	6.84433	0.0413447	0.20831099	2.8183479	21	8 3.9	19.1
75827 2000 BX_{17}	15.2	X	8.88435	271.97032	111.88580	10.68278	0.1336306	0.22057817	2.7128619	21	12 13.3	18.4
75828 2000 BF_{21}	15.0	X	216.53914	42.52932	309.78774	14.10556	0.1364765	0.24114927	2.5563016	21	3 14.7	19.3
75829 Alyea	15.8	X	162.03050	144.73196	270.78196	2.64572	0.2528735	0.24429000	2.5343441	21	4 22.4	20.2
75830 2000 BL_{24}	14.6	X	12.20299	152.22163	39.28275	8.74521	0.0791970	0.23816347	2.5776223	21	3 19.4	17.6
75831 2000 BP_{25}	15.7	X	281.07765	294.01814	122.63968	7.20698	0.0247401	0.21124885	2.7921569	21	9 15.5	19.4
75832 2000 BU_{25}	15.3	X	266.70371	326.16187	132.70980	4.31858	0.0366985	0.21482037	2.7611229	21	10 19.4	19.0
75833 2000 BB_{26}	14.4	X	76.64001	316.73306	321.15236	7.22253	0.0696172	0.21181212	2.7872045	21	10 14.4	18.3
75834 2000 BF_{26}	15.5	X	257.22545	30.64018	113.69742	9.63902	0.0740366	0.21840736	2.7308082	21	11 29.5	19.2
75835 2000 BO_{26}	15.4	X	252.04074	311.90745	98.40389	6.13046	0.1065014	0.20682579	2.8318240	21	7 16.2	19.3
75836 Warrenastro	15.3	X	172.60681	92.66759	350.67947	3.44133	0.1152878	0.24621587	2.5211113	21	5 31.7	19.1
75837 Johnbriol	15.2	X	294.18926	2.82144	91.71923	6.22569	0.1586992	0.26335698	2.4104946	21	11 16.9	17.4
75838 2000 BX_{29}	15.7	X	339.11872	38.96192	27.35257	1.71558	0.1395245	0.22185513	2.7024421	21	12 20.1	18.6
75839 2000 BA_{30}	15.4	X	96.40472	341.70354	91.07785	5.53018	0.2393827	0.23704795	2.5857027	21	3 12.6	18.6
75840 2000 BG_{30}	14.8	X	266.58495	39.81627	95.25352	3.11209	0.1505708	0.26388776	2.4072612	21	11 26.9	17.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
75841 Brendahuettner	16.0	X	108.13517	139.23617	279.44019	3.45885	0.1964674	0.23717302	2.5847936	21	2 26.3	19.3
75842 Jackmonahan	15.5	X	239.09872	265.50883	211.38243	1.86081	0.1413513	0.21288709	2.7778140	21	9 20.2	19.6
75843 2000 BL_{32}	15.3	X	156.08506	180.00669	111.96753	4.88943	0.0572976	0.22527043	2.6750584	21	—	—
75844 Rexadams	15.3	X	278.27769	284.96117	125.39245	4.64099	0.0922845	0.20988041	2.8042805	21	8 22.2	19.0
75845 2000 BD_{34}	16.4	X	128.75299	94.05641	327.91048	3.19324	0.1911271	0.23955680	2.5676178	21	3 25.9	20.2
75846 Jandorf	15.4	X	248.23188	354.76685	84.94204	5.12469	0.0748782	0.20873296	2.8145482	21	8 25.4	19.3
75847 2000 BD_{35}	15.2	X	58.86578	310.70783	89.32348	10.31499	0.1151481	0.22883033	2.6472421	21	—	—
75848 2000 BH_{35}	15.3	X	59.79558	105.09823	6.80388	4.84951	0.0367743	0.23558786	2.5963751	21	2 9.4	18.5
75849 2000 BM_{46}	15.4	X	163.77113	265.91409	14.73020	0.89700	0.0541393	0.17632195	3.1496705	21	—	—
75850 2000 CC	16.0	X	116.48977	61.85475	38.46366	3.52455	0.0819737	0.24167622	2.5525844	21	4 17.3	19.2
75851 2000 CF	14.7	X	279.52620	136.93441	131.18779	11.86645	0.0430634	0.18986531	2.9980506	21	3 1.5	19.0
75852 Elgie	14.3	X	298.38804	288.96129	340.11652	14.66120	0.1065563	0.23630354	2.5911302	21	3 6.6	17.9
75853 2000 CC_{3}	14.8	X	0.75502	61.64819	101.04874	11.57803	0.1956723	0.23658505	2.5890743	21	1 2.3	17.5
75854 2000 CZ_{4}	15.4	X	207.59854	312.33078	124.63358	7.29940	0.1176374	0.25243739	2.4795161	21	6 29.8	19.1
75855 2000 CT_{5}	15.4	X	295.71399	355.10256	123.16304	15.49263	0.0427207	0.22204819	2.7008755	21	12 22.4	19.0
75856 2000 CP_{8}	15.6	X	102.74679	354.16956	142.17005	3.36955	0.0715468	0.24510029	2.5287555	21	5 17.0	18.8
75857 2000 CQ_{8}	15.3	X	297.62850	161.34571	288.80100	9.17791	0.0569556	0.21890854	2.7266386	21	11 13.4	18.9
75858 2000 CJ_{9}	15.2	X	55.79375	199.29380	295.77749	9.37939	0.0606930	0.19289271	2.9665990	21	3 9.1	19.2
75859 2000 CP_{10}	14.7	X	345.78276	67.86176	294.46877	4.96958	0.0189952	0.21279755	2.7785932	21	9 27.3	18.4
75860 2000 CH_{12}	15.1	X	71.82635	341.07349	167.15034	3.64763	0.1020335	0.19547626	2.9404020	21	4 28.8	18.8
75861 2000 CG_{13}	16.2	X	111.24937	187.81233	249.67796	2.13513	0.1797894	0.23968096	2.5667310	21	3 24.5	19.7
75862 2000 CJ_{17}	14.7	X	340.33124	345.62633	78.27225	12.43080	0.0921296	0.21842595	2.7306533	21	12 15.0	17.8
75863 2000 CD_{18}	15.2	X	335.46258	264.91545	165.26015	5.18374	0.1465982	0.22110903	2.7085180	21	12 19.2	18.1
75864 2000 CB_{19}	15.9	X	118.09653	126.42580	270.86798	0.91879	0.1760360	0.23568973	2.5956270	21	2 9.9	19.3
75865 2000 CC_{19}	15.1	X	38.29049	244.61011	248.00218	1.08125	0.0268030	0.18901486	3.0070369	21	2 13.1	19.2
75866 2000 CA_{20}	15.2	X	305.91172	222.43209	243.41023	5.05266	0.0707475	0.22024277	2.7156155	21	12 17.6	18.5
75867 2000 CF_{20}	15.6	X	310.45829	321.07462	152.94674	9.36404	0.2475412	0.22271179	2.6955077	21	12 28.4	17.9
75868 2000 CF_{21}	15.5	X	29.23458	166.92489	216.01998	3.25557	0.3136198	0.22400452	2.6851272	21	—	—
75869 2000 CR_{21}	16.2	X	49.52461	289.88366	188.20037	3.70186	0.2037465	0.23494853	2.6010831	21	2 9.6	18.4
75870 2000 CV_{21}	14.9	X	131.30538	336.17871	277.95231	4.24633	0.1214996	0.21452231	2.7636799	21	11 21.1	19.3
75871 2000 CY_{23}	14.7	X	168.27991	239.27039	146.21572	9.88578	0.0840379	0.19256528	2.9699609	21	3 20.5	19.2
75872 2000 CK_{24}	14.3	X	61.74108	50.86287	308.82232	11.83861	0.1763276	0.22218564	2.6997615	21	—	—
75873 2000 CQ_{24}	15.1	X	29.74222	246.12425	152.72284	4.22010	0.2268636	0.22452058	2.6810111	21	—	—
75874 2000 CE_{26}	15.3	X	154.49751	120.69285	286.12255	2.99741	0.1535390	0.24030860	2.5622598	21	3 28.9	19.2
75875 2000 CQ_{26}	15.7	X	16.15425	281.17329	155.35252	3.13077	0.2419763	0.22717940	2.6600518	21	—	—
75876 2000 CU_{27}	16.0	X	88.17060	316.61625	183.00036	1.62250	0.1200598	0.24129580	2.5552665	21	5 8.6	19.0
75877 2000 CJ_{28}	15.5	X	121.08041	261.32409	193.43209	1.79427	0.1529351	0.24115131	2.5562871	21	4 25.3	19.2
75878 2000 CM_{28}	14.8	X	40.04547	356.37276	157.01946	7.89606	0.1333037	0.23632668	2.5909610	21	3 11.4	17.3
75879 2000 CL_{29}	15.4	X	8.40155	45.17159	157.92917	7.90658	0.1411065	0.23727219	2.5840733	21	3 23.4	18.0
75880 2000 CP_{29}	14.7	X	284.15991	17.32893	164.31466	5.36656	0.1640947	0.22370013	2.6875624	21	—	—
75881 2000 CC_{31}	14.7	X	207.22399	216.96830	154.21424	17.36770	0.0928059	0.19604458	2.9347165	21	4 14.2	19.4
75882 2000 CC_{32}	14.4	X	292.64227	238.62585	316.65581	11.58567	0.2133710	0.22598001	2.6694556	21	—	—
75883 2000 CR_{32}	15.1	X	148.00135	57.18482	148.96398	10.06338	0.1067481	0.25562905	2.4588342	21	10 18.2	18.9
75884 2000 CS_{32}	15.3	X	24.41636	353.64538	157.85384	3.00077	0.1129178	0.23381293	2.6094984	21	2 7.3	18.0
75885 2000 CE_{33}	16.1	X	8.07308	273.66582	164.02011	2.47183	0.1720283	0.27063390	2.3670890	21	—	—
75886 2000 CZ_{33}	15.5	X	336.56825	121.63820	339.38216	5.71134	0.1547334	0.22248426	2.6973452	21	—	—
75887 2000 CS_{34}	15.4	X	176.02721	283.82842	131.86064	3.42529	0.2333709	0.24372403	2.5382661	21	5 5.3	19.8
75888 2000 CU_{35}	14.9	X	41.88392	317.63455	182.58384	8.40348	0.1655503	0.23510358	2.5999394	21	2 22.9	17.5
75889 2000 CV_{35}	15.8	X	278.20563	267.59771	143.25130	4.50352	0.0932728	0.21042339	2.7994543	21	8 21.9	19.5
75890 2000 CM_{36}	15.5	X	37.10022	231.84257	315.96683	8.66335	0.1466813	0.23830451	2.5766051	21	4 20.3	18.3
75891 2000 CY_{37}	14.7	X	327.28368	354.13544	315.69123	12.73427	0.0587380	0.20262637	2.8708163	21	6 22.8	18.6
75892 2000 CD_{38}	15.1	X	143.95604	160.70963	89.85185	3.62886	0.1549959	0.26155705	2.4215406	21	12 6.1	18.9
75893 2000 CO_{38}	14.9	X	235.08774	269.07946	113.35547	3.05879	0.0807584	0.20229807	2.8739214	21	5 24.6	19.2
75894 2000 CZ_{38}	15.9	X	46.14462	115.58573	66.00612	5.55950	0.2546285	0.23892899	2.5721137	21	5 20.1	18.0
75895 2000 CD_{44}	15.0	X	300.41503	345.14252	188.41127	5.96758	0.0477063	0.22609606	2.6685420	21	—	—
75896 2000 CV_{44}	15.8	X	82.83600	313.43318	223.58621	3.52208	0.1729604	0.24393109	2.5368295	21	6 30.1	19.1
75897 2000 CL_{45}	14.5	X	94.74283	28.75127	295.51970	12.22990	0.0243312	0.21903723	2.7255706	21	—	—
75898 2000 CM_{45}	15.0	X	293.80720	239.62742	298.65310	11.86237	0.1228407	0.22486417	2.6782794	21	—	—
75899 2000 CZ_{45}	15.4	X	137.74664	189.66842	223.66516	4.03647	0.2997110	0.24064459	2.5598743	21	4 3.7	19.7
75900 2000 CC_{48}	15.0	X	349.55701	279.79583	302.29488	10.32332	0.0380924	0.23775327	2.5805862	21	3 19.8	18.4
75901 2000 CB_{49}	15.6	X	71.98157	165.12103	292.93103	4.75962	0.1770966	0.23490799	2.6013824	21	2 21.8	18.4
75902 2000 CN_{49}	14.4	X	289.45937	224.11697	259.65718	3.89900	0.1129805	0.21872958	2.7281256	21	12 11.9	17.7
75903 2000 CQ_{49}	15.0	X	51.47446	134.83995	308.65108	12.05915	0.0771920	0.22916791	2.6446418	21	—	—
75904 2000 CA_{50}	14.6	X	348.06457	161.62296	243.46264	5.03338	0.0829695	0.21633967	2.7481806	21	12 1.5	18.0
75905 2000 CK_{50}	14.7	X	236.10199	191.75769	306.65798	7.38587	0.0731333	0.21317432	2.7753183	21	10 19.8	18.8
75906 2000 CY_{50}	15.5	X	25.97902	149.69754	320.85905	14.02318	0.1400863	0.22954957	2.6417095	21	—	—
75907 2000 CJ_{51}	14.1	X	234.37481	6.83286	314.66323	13.72498	0.1766482	0.23464169	2.6033502	21	2 24.4	18.5
75908 2000 CC_{53}	15.0	X	115.00813	125.36239	326.99980	12.95838	0.1360526	0.23874179	2.5734580	21	4 5.8	18.8
75909 2000 CG_{53}	15.2	X	160.32819	112.32205	330.07607	11.71851	0.1278116	0.24316545	2.5421518	21	5 14.9	19.4
75910 2000 CO_{53}	13.6	X	251.73948	113.35864	159.54750	16.99586	0.0894530	0.18338407	3.0682799	21	1 28.1	18.4
75911 2000 CJ_{54}	16.0	X	131.51868	295.06575	175.24615	2.29184	0.1797883	0.24359278	2.5391778	21	5 30.2	19.8
75912 2000 CQ_{56}	15.7	X	254.05494	307.63814	159.53616	9.61686	0.1164897	0.21350988	2.7724096	21	10 1.7	19.6
75913 2000 CU_{57}	15.6	X	33.27539	126.78354	332.11827	11.96048	0.2060654	0.22975544	2.6401313	21	—	—
75914 2000 CS_{58}	14.7	X	26.16279	207.08686	323.80709	32.12034	0.1379580	0.23517209	2.5994344	21	2 26.5	17.6
75915 2000 CO_{60}	15.0	X	180.05766	249.40095	178.65268	1.80253	0.0904343	0.19855162	2.9099605	21	5 22.3	19.4
75916 2000 CY_{60}	14.9	X	105.42380	277.89856	173.37697	15.24350	0.0895784	0.23706069	2.5856100	21	3 23.9	18.2
75917 2000 CZ_{60}	15.5	X	63.16407	331.24367	243.27586	5.17886	0.1596061	0.24435174	2.5339173	21	7 21.5	18.6
75918 2000 CC_{61}	13.7	X	327.94497	324.50796	328.86385	14.78160	0.2676203	0.19499292	2.9452589	21	4 24.4	17.5
75919 2000 CK_{61}	14.2	X	90.43169	124.52494	300.34115	9.74580	0.1686189	0.23264492	2.6182252	21	2 6.2	17.2
75920 2000 CR_{62}	14.7	X	256.19569	294.89628	320.98710	14.11673	0.1118579	0.22748319	2.6576830	21	1 6.9	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
75921 2000 CL_{63}	15.1	X	245.03463	243.92941	305.95416	6.43793	0.1052652	0.21846004	2.7303692	21	—	—
75922 2000 CQ_{64}	15.2	X	268.34409	92.44328	336.52128	8.05584	0.0943539	0.21087652	2.7954425	21	9 1.1	19.0
75923 2000 CL_{65}	15.1	X	350.07711	212.57116	333.71555	3.26019	0.1635841	0.23282743	2.6168568	21	1 23.1	18.1
75924 2000 CF_{66}	14.9	X	81.52538	45.55131	305.02359	12.54032	0.1890829	0.22358435	2.6884902	21	—	—
75925 2000 CJ_{66}	14.5	X	278.96087	110.60013	110.82513	11.46678	0.0323421	0.18423015	3.0588787	21	1 3.9	18.9
75926 2000 CR_{66}	16.4	X	25.87939	225.83529	315.87387	3.12304	0.1311034	0.23709077	2.5853913	21	3 22.9	19.0
75927 2000 CE_{67}	14.9	X	253.53974	236.18284	167.82573	15.39274	0.1475137	0.20548108	2.8441653	21	7 3.6	19.4
75928 2000 CY_{69}	15.3	X	278.62256	286.52782	321.59501	3.62961	0.1503415	0.23189086	2.6238980	21	1 14.2	19.3
75929 2000 CH_{70}	14.7	X	54.08214	298.13267	296.97145	11.65383	0.1377560	0.24534433	2.5270783	21	8 2.3	17.7
75930 2000 CO_{70}	14.4	X	253.62968	213.67848	304.01511	12.70978	0.1486697	0.21682396	2.7440869	21	11 26.6	18.3
75931 2000 CG_{71}	14.3	X	28.77581	148.07899	337.32014	14.60879	0.0407932	0.22944337	2.6425246	21	1 17.9	17.8
75932 2000 CN_{71}	14.6	X	93.53988	256.33642	322.02649	4.20666	0.1501886	0.20089151	2.8873205	21	9 1.2	18.9
75933 2000 CB_{75}	14.9	X	154.50031	235.64785	152.52566	33.36527	0.3679318	0.24126238	2.5555025	21	3 26.0	19.8
75934 2000 CR_{75}	14.4	X	293.58132	345.00231	292.05046	13.30651	0.0457147	0.23628883	2.5912377	21	3 13.3	18.2
75935 2000 CW_{75}	14.9	X	92.81822	261.46686	247.55283	6.53179	0.1135063	0.24106885	2.5568700	21	5 26.7	18.0
75936 2000 CZ_{75}	14.1	X	50.32563	56.20093	204.66602	11.66570	0.1732043	0.20464511	2.8519056	21	9 2.5	18.0
75937 2000 CK_{78}	15.3	X	101.92423	44.92224	322.47185	1.30001	0.0312182	0.22493329	2.6777307	21	—	—
75938 2000 CO_{80}	15.5	X	69.66927	120.16395	339.60770	28.02588	0.2164947	0.23405380	2.6077078	21	2 28.1	17.9
75939 2000 CF_{81}	14.4	X	171.06835	292.68356	322.75982	12.93616	0.1444286	0.17254827	3.1954276	21	12 23.9	19.7
75940 2000 CL_{82}	14.7	X	55.35369	174.01511	29.26020	2.50008	0.0573501	0.19782143	2.9171169	21	6 9.6	18.5
75941 2000 CX_{82}	14.7	X	321.25381	37.90569	124.31090	3.24479	0.1374309	0.22672460	2.6636079	21	—	—
75942 2000 CO_{84}	14.6	X	304.32846	141.79782	56.13140	2.32526	0.0519990	0.18257839	3.0772998	21	1 3.6	19.0
75943 2000 CM_{85}	15.4	X	68.07891	61.19958	14.87764	3.30073	0.1443002	0.23150175	2.6268374	21	1 14.6	18.2
75944 2000 CT_{85}	15.4	X	84.44589	42.07434	127.97061	2.43992	0.1057502	0.24329423	2.5412546	21	6 12.2	18.6
75945 2000 CY_{86}	14.8	X	50.93802	156.67631	341.59296	13.40103	0.0459441	0.23512669	2.5997690	21	3 2.6	18.0
75946 2000 CZ_{86}	14.6	X	57.16013	195.47895	341.43400	14.75198	0.0370220	0.24061436	2.5600888	21	4 24.5	18.2
75947 2000 CB_{87}	14.3	X	155.64315	304.07777	338.69489	7.85416	0.1116219	0.21948409	2.7218698	21	—	—
75948 2000 CH_{88}	14.9	X	346.33677	35.47919	110.08147	7.19794	0.0844990	0.22729525	2.6591478	21	—	—
75949 2000 CR_{88}	14.0	X	203.87440	130.04960	145.22496	17.68066	0.0911310	0.17704120	3.1411342	21	—	—
75950 2000 CU_{88}	15.6	X	132.98410	334.86020	99.11634	5.50397	0.2566862	0.24033218	2.5620922	21	4 24.6	19.7
75951 2000 CK_{90}	14.4	X	301.96942	51.13944	60.56521	4.54575	0.0326600	0.21811997	2.7332064	21	12 21.0	18.0
75952 2000 CD_{91}	15.4	X	326.34247	152.68723	344.10103	3.40823	0.1069608	0.22416655	2.6838331	21	—	—
75953 2000 CE_{91}	14.8	X	288.00329	259.51585	336.64403	1.85010	0.0141345	0.23107680	2.6300570	21	1 25.9	18.4
75954 2000 CO_{91}	14.7	X	220.50140	95.96321	154.23942	12.85537	0.1457467	0.22214295	2.7001073	21	—	—
75955 2000 CC_{92}	14.4	X	29.70235	27.45506	5.18046	5.67993	0.1035738	0.21904624	2.7254958	21	—	—
75956 2000 CZ_{92}	15.5	X	73.57058	356.36377	131.71134	5.52157	0.1212741	0.23619205	2.5919455	21	4 3.5	18.6
75957 2000 CB_{94}	15.0	X	62.95660	86.33480	349.28483	11.10961	0.1799765	0.22930285	2.6436041	21	1 10.6	17.8
75958 2000 CE_{94}	14.9	X	270.58050	331.51435	163.67028	14.21241	0.1738259	0.21621101	2.7492708	21	11 22.1	18.6
75959 2000 CP_{94}	14.9	X	35.33353	234.52774	358.25684	13.34588	0.1371202	0.24118952	2.5560171	21	6 30.1	17.9
75960 2000 CS_{96}	15.2	X	44.17606	359.36366	172.44619	9.48920	0.1235708	0.23942087	2.5685896	21	4 15.1	18.0
75961 2000 CZ_{98}	14.3	X	94.19454	175.79297	146.99585	4.06307	0.2142572	0.17294032	3.1905965	21	—	—
75962 2000 CH_{100}	15.0	X	359.85974	252.85256	320.20346	5.89447	0.0208771	0.23975855	2.5661773	21	3 26.5	18.4
75963 2000 CN_{100}	15.3	X	79.71718	246.67996	133.76737	6.63470	0.1541272	0.22754085	2.6572340	21	—	—
75964 2000 CQ_{100}	15.3	X	101.66842	46.45874	320.79688	14.04572	0.1400512	0.22818024	2.6522677	21	—	—
75965 2000 CF_{103}	15.4	X	58.82221	296.57076	155.00362	2.66815	0.1849248	0.23162102	2.6259356	21	1 21.6	17.8
75966 2000 CL_{103}	15.3	X	82.00311	213.14653	318.14412	4.60748	0.0692358	0.24213941	2.5493281	21	6 3.7	18.6
75967 2000 CP_{103}	14.6	X	210.15303	305.29858	270.24523	10.59319	0.1032523	0.21839635	2.7309000	21	12 24.9	18.4
75968 2000 CF_{104}	14.3	X	257.61334	96.67428	105.49100	2.57458	0.1373868	0.17571811	3.1568821	21	—	—
75969 2000 CE_{112}	14.6	X	306.62510	359.13762	203.72182	9.15933	0.0945840	0.18280545	3.0747511	21	1 4.9	19.2
75970 2000 CH_{112}	14.7	X	334.52268	334.49423	283.99228	8.92512	0.1335925	0.23887891	2.5724731	21	4 4.8	18.0
75971 2000 CK_{112}	15.1	X	292.17430	210.39271	284.75156	8.52736	0.1023048	0.22000513	2.7175706	21	—	—
75972 2000 CM_{112}	14.7	X	285.71293	337.05220	225.99207	9.66751	0.1598960	0.17887187	3.1196655	21	—	—
75973 2000 CA_{117}	14.9	X	217.30311	283.55094	33.63438	10.45521	0.1495065	0.23247606	2.6194929	21	2 13.0	19.3
75974 2000 CC_{117}	15.2	X	166.48217	100.34026	98.42610	1.76019	0.0113247	0.21250182	2.7811705	21	10 22.4	19.1
75975 2000 CD_{121}	15.7	X	267.69805	331.73824	156.16890	9.06455	0.0972133	0.21839033	2.7309502	21	11 19.7	19.4
75976 2000 CZ_{121}	15.0	X	193.68650	285.32404	327.54270	4.40453	0.0356591	0.22404309	2.6848190	21	—	—
75977 2000 CK_{122}	15.3	X	240.86082	86.83496	2.31172	3.08966	0.0697046	0.20963012	2.8065121	21	8 27.9	19.2
75978 2000 CC_{124}	15.3	X	349.71756	66.68092	338.98870	7.02623	0.1715780	0.21991507	2.7183125	21	12 12.7	18.2
75979 2000 CL_{125}	14.7	X	270.01314	266.15429	51.28542	2.76189	0.0589291	0.19487919	2.9464048	21	4 16.1	18.7
75980 2000 CK_{128}	15.0	X	118.20843	11.62873	312.83106	4.00759	0.1639941	0.17614228	3.1518120	21	—	—
75981 2000 CH_{136}	16.0	X	195.39784	105.22298	190.71699	0.68668	0.0832879	0.18224032	3.0811043	21	—	—
75982 2000 DU	14.5	X	353.04148	126.65440	26.44512	11.47608	0.1148615	0.18285021	3.0742492	21	1 4.9	18.6
75983 2000 DY	14.7	X	324.21832	25.85364	115.20959	11.56360	0.0686300	0.22376300	2.6870589	21	—	—
75984 2000 DC_{2}	14.5	X	35.07356	243.26619	0.95799	1.28315	0.0809642	0.19645172	2.9306604	21	7 8.2	18.1
75985 2000 DY_{2}	14.7	X	342.12508	121.74151	110.81567	11.62109	0.0279563	0.19086606	2.9875618	21	4 11.3	18.9
75986 2000 DO_{3}	14.6	X	2.48394	107.25565	31.93512	8.14289	0.1444897	0.18114964	3.0934592	21	—	—
75987 2000 DW_{4}	15.6	X	84.20996	42.39019	24.29928	5.90691	0.2874934	0.23522584	2.5990384	21	2 22.0	18.4
75988 2000 DK_{6}	15.4	X	38.26952	94.41102	341.97178	13.69306	0.0876877	0.22833031	2.6511054	21	—	—
75989 2000 DF_{7}	14.1	X	98.39843	21.34911	92.83586	11.80909	0.0508649	0.19030807	2.9933988	21	4 18.4	18.4
75990 2000 DA_{9}	15.2	X	59.37764	56.18641	321.28452	5.49730	0.0524215	0.22237932	2.6981937	21	—	—
75991 2000 DE_{9}	15.4	X	234.98777	108.31040	185.88402	0.47065	0.1268224	0.18601776	3.0392502	21	2 4.2	20.3
75992 2000 DH_{9}	15.5	X	35.35611	73.44143	325.25193	12.00670	0.1890256	0.22405100	2.6847558	21	—	—
75993 2000 DR_{9}	15.7	X	121.91862	230.90531	154.66127	0.81086	0.1015872	0.23188102	2.6239723	21	1 20.9	19.1
75994 2000 DA_{12}	14.6	X	79.12674	193.40256	173.07197	5.17573	0.1448458	0.17237167	3.1976098	21	—	—
75995 2000 DD_{14}	16.0	X	183.01456	68.01309	335.78909	2.91059	0.2829839	0.24378454	2.5378461	21	4 24.8	20.7
75996 2000 DS_{14}	14.9	X	178.26618	80.00936	100.88553	3.49327	0.1189397	0.20955879	2.8071490	21	10 10.6	19.3
75997 2000 DU_{14}	15.1	X	148.52164	320.47619	135.40294	7.37292	0.1490962	0.24342347	2.5403551	21	5 27.5	19.1
75998 2000 DE_{15}	14.7	X	347.60565	262.95380	134.95110	4.02974	0.0361454	0.21280506	2.7785278	21	11 19.4	18.3
75999 2000 DH_{15}	14.5	X	91.55984	46.07130	21.41978	6.11943	0.1330974	0.23133553	2.6280956	21	2 10.5	17.7
76000 2000 DO_{15}	15.1	X	48.22965	334.09157	132.93463	6.63032	0.1656196	0.23111292	2.6297829	21	1 21.3	17.6