Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84001 2002 NE_{29}	16.1	X	21.94457	354.86624	6.80895	1.08894	0.2023202	0.26888645	2.3773335	21	12 25.2	18.7
84002 2002 NB_{38}	15.3	X	158.09160	124.34203	277.07422	12.63276	0.1823162	0.24047369	2.5610871	21	3 22.7	19.7
84003 2002 NA_{52}	16.3	X	331.17205	251.81694	137.21180	5.51203	0.2269374	0.26384272	2.4075352	21	10 26.0	17.8
84004 2002 OT_{3}	14.8	X	122.02839	153.37520	204.16733	13.28497	0.2811548	0.22613943	2.6682009	21	1 9.8	18.9
84005 2002 OC_{4}	14.7	X	172.81587	125.36981	239.41921	14.48674	0.1314336	0.23279258	2.6171179	21	2 17.4	19.0
84006 2002 OJ_{4}	15.0	X	137.12339	91.48025	263.10812	11.33463	0.1339762	0.22771707	2.6558629	21	1 4.9	18.8
84007 2002 OK_{12}	16.1	X	95.44105	282.86173	85.47536	3.13369	0.2258048	0.27857796	2.3218717	21	—	—
84008 2002 OP_{14}	14.7	X	65.98618	193.87831	205.24769	10.18194	0.2076472	0.17462073	3.1700943	21	—	—
84009 2002 OM_{22}	16.2	X	91.43556	225.51670	119.77915	3.12980	0.2192070	0.27645618	2.3337367	21	—	—
84010 2002 OZ_{23}	14.5	X	232.74039	169.40762	212.90329	16.61157	0.2360527	0.19239625	2.9717001	21	5 11.2	19.5
84011 Jean-Claude	13.8	X	67.94306	43.65927	9.19183	4.01378	0.2457124	0.12270665	4.0107351	21	1 27.9	18.8
84012 Deluise	16.7	X	253.91260	43.03621	281.32571	3.73058	0.1524946	0.29780699	2.2208171	21	3 13.9	20.0
84013 2002 PZ_{5}	14.8	X	179.03619	151.66438	201.54789	10.49547	0.1294853	0.18537684	3.0462513	21	2 18.9	19.8
84014 2002 PG_{30}	15.8	X	134.52232	52.11701	239.63860	1.78547	0.0516302	0.22433958	2.6824529	21	—	—
84015 Efthymiopoulos	15.9	X	264.18100	317.05621	174.16583	5.28779	0.1491163	0.27082592	2.3659700	21	11 20.4	18.6
84016 2002 PE_{37}	15.2	X	132.22904	24.22492	322.09675	10.37946	0.2221804	0.22662879	2.6643585	21	1 3.3	19.1
84017 2002 PF_{37}	15.3	X	206.09281	59.49777	341.54388	12.96071	0.1764092	0.24300125	2.5432968	21	5 5.5	19.8
84018 2002 PL_{37}	15.7	X	199.38970	351.53795	338.32907	7.06564	0.1964508	0.28850714	2.2682888	21	2 2.9	19.3
84019 2002 PN_{37}	15.8	X	70.54609	188.92066	159.83668	2.83728	0.2440171	0.27144547	2.3623686	21	—	—
84020 2002 PZ_{40}	15.1	X	149.36321	44.93626	307.75860	12.71125	0.1257049	0.23003100	2.6380224	21	1 16.8	18.8
84021 2002 PC_{41}	15.1	X	111.15108	38.27488	318.91005	14.07596	0.1294917	0.22465515	2.6799404	21	—	—
84022 2002 PR_{41}	16.1	X	202.95271	343.74268	1.33332	5.88379	0.2090633	0.29001805	2.2604038	21	2 25.0	19.7
84023 2002 PX_{41}	15.8	X	96.79583	297.61719	32.57275	2.53770	0.2255577	0.27302281	2.3532610	21	—	—
84024 2002 PB_{42}	16.1	X	159.48638	288.89349	64.51450	4.92982	0.1534710	0.28365102	2.2941043	21	1 22.3	19.3
84025 2002 PN_{42}	14.8	X	309.13747	326.02255	49.86236	6.33540	0.1766467	0.20270838	2.8700420	21	8 10.9	18.2
84026 2002 PO_{42}	15.6	X	71.99519	190.25887	134.64803	7.69353	0.1362501	0.26761395	2.3848636	21	12 28.5	19.1
84027 2002 PE_{44}	15.6	X	82.83060	344.52578	343.51142	7.18760	0.1309930	0.27023626	2.3694105	21	—	—
84028 2002 PN_{44}	15.3	X	47.53185	230.84900	100.77343	5.76588	0.2414924	0.21300261	2.7768096	21	12 13.4	19.1
84029 2002 PT_{44}	15.5	X	345.32162	286.59364	87.88438	7.12483	0.2470060	0.25958797	2.4337708	21	11 9.5	17.1
84030 2002 PY_{44}	14.4	X	49.92517	246.88140	121.85433	9.94487	0.1752940	0.21498185	2.7597401	21	—	—
84031 2002 PZ_{45}	14.6	X	67.18923	226.64774	169.84744	15.17939	0.2880553	0.22237840	2.6982011	21	—	—
84032 2002 PQ_{46}	14.9	X	158.62748	192.55911	171.64054	15.02940	0.1589258	0.23282497	2.6168752	21	2 9.5	19.0
84033 2002 PT_{46}	16.0	X	36.61705	106.49022	234.83460	0.97670	0.2268078	0.26528144	2.3988226	21	12 20.6	19.1
84034 2002 PL_{49}	15.7	X	4.07828	187.69276	212.39162	7.44680	0.2220496	0.21547117	2.7555604	21	—	—
84035 2002 PX_{49}	14.2	X	196.13053	241.02746	184.16346	14.88260	0.2017803	0.19077173	2.9885466	21	6 3.9	19.5
84036 2002 PF_{50}	16.1	X	99.79526	325.34763	33.55566	2.97074	0.1866554	0.27645192	2.3337606	21	—	—
84037 2002 PH_{50}	15.9	X	115.70706	210.44943	115.13028	2.88451	0.2248089	0.27575515	2.3376902	21	—	—
84038 2002 PQ_{50}	16.3	X	277.66762	206.44221	153.24823	6.18144	0.1782229	0.30174858	2.2014351	21	5 28.9	19.1
84039 2002 PW_{50}	15.9	X	165.71333	307.29158	56.69880	4.10095	0.1740281	0.28482759	2.2877822	21	2 14.0	19.3
84040 2002 PK_{54}	16.3	X	282.45699	344.26542	353.94777	5.67323	0.1461952	0.30101045	2.2050325	21	5 5.3	19.2
84041 2002 PL_{55}	15.9	X	336.57519	120.23456	262.09652	2.44398	0.2233601	0.26230845	2.4169140	21	10 24.6	17.3
84042 2002 PQ_{56}	16.1	X	137.00481	91.20420	299.32067	6.46142	0.1210645	0.28758918	2.2731130	21	2 6.4	18.8
84043 2002 PA_{57}	15.6	X	159.97585	49.05032	327.49963	13.03055	0.1854500	0.23596898	2.5935788	21	2 27.7	19.7
84044 2002 PB_{58}	14.9	X	72.06413	54.32775	331.62032	6.99782	0.2295277	0.22320207	2.6915590	21	—	—
84045 2002 PN_{58}	15.8	X	305.07379	352.77102	13.44055	1.15363	0.1942749	0.25620593	2.4551419	21	7 17.1	18.2
84046 2002 PF_{59}	15.6	X	334.49867	233.03369	137.37107	4.22328	0.1207935	0.26092510	2.4254490	21	10 2.1	17.9
84047 2002 PZ_{59}	15.6	X	354.33454	218.53053	143.63542	7.19688	0.1886167	0.26198777	2.4188858	21	11 5.8	17.7
84048 2002 PS_{60}	16.1	X	104.88815	253.78903	132.23436	6.31762	0.1669994	0.27996624	2.3141896	21	—	—
84049 2002 PU_{60}	15.6	X	91.97334	203.63507	164.17735	11.07470	0.1648985	0.22352719	2.6889484	21	—	—
84050 2002 PY_{60}	15.4	X	193.43189	225.89404	135.20188	6.51627	0.1809045	0.23722987	2.5843806	21	3 13.7	19.7
84051 2002 PL_{63}	16.3	X	23.96387	93.01470	300.32441	1.33364	0.2113614	0.27202431	2.3590161	21	—	—
84052 2002 PB_{69}	14.6	X	178.74246	48.66035	303.70698	11.22743	0.2530185	0.23249866	2.6193232	21	2 17.9	19.2
84053 2002 PS_{71}	15.0	X	328.14324	211.46082	176.44662	11.48018	0.2922051	0.26248158	2.4158511	21	10 10.7	15.9
84054 2002 PE_{84}	15.9	X	357.96069	250.01769	108.12650	2.23888	0.2016757	0.26323160	2.4112599	21	11 7.1	17.8
84055 2002 PM_{84}	15.5	X	176.12337	336.24384	334.31470	24.41399	0.1337149	0.28427775	2.2907312	21	—	—
84056 2002 PK_{86}	15.7	X	196.35913	240.48328	114.18305	14.21281	0.1140219	0.23993272	2.5649352	21	3 9.8	19.8
84057 2002 PL_{93}	16.2	X	350.48415	183.62725	186.82911	22.04305	0.0804078	0.36823544	1.9277572	21	11 23.9	18.3
84058 2002 PQ_{101}	15.7	X	115.67228	145.52771	280.15161	11.83192	0.2426935	0.23730582	2.5838291	21	3 17.6	19.6
84059 2002 PV_{104}	14.5	X	70.40185	55.52266	310.28186	21.62653	0.1374393	0.17045716	3.2215080	21	—	—
84060 2002 PV_{112}	16.0	X	195.59542	223.63334	159.09147	16.37129	0.1886316	0.24297654	2.5434692	21	4 12.6	20.4
84061 2002 PJ_{113}	15.6	X	133.50906	249.42640	151.59964	14.57403	0.3076834	0.23533107	2.5982636	21	3 20.9	19.9
84062 2002 PQ_{117}	15.4	X	156.83952	83.29765	279.23076	11.43776	0.1690748	0.23327630	2.6134988	21	2 5.1	19.5
84063 2002 PC_{122}	15.3	X	0.52781	137.99207	263.38178	6.81260	0.2218647	0.21554209	2.7549559	21	—	—
84064 2002 PK_{126}	16.0	X	350.24847	38.77937	346.91575	1.80355	0.1178223	0.26683720	2.3894895	21	11 22.7	18.2
84065 2002 PQ_{128}	14.9	X	78.32106	330.79027	36.13905	7.73057	0.2438126	0.22248790	2.6973157	21	—	—
84066 2002 PM_{133}	16.1	X	354.76608	268.21168	134.19830	2.83841	0.1630577	0.26940022	2.3743100	21	—	—
84067 2002 PN_{135}	15.8	X	41.98631	193.17139	140.57905	2.98387	0.2459551	0.26779166	2.3838084	21	12 20.4	19.0
84068 2002 PK_{138}	15.4	X	235.42308	229.20077	223.33993	19.84586	0.0872908	0.36444736	1.9410922	21	8 24.5	18.0
84069 2002 PL_{138}	16.1	X	279.79979	222.43307	209.81026	20.86999	0.1000458	0.36719084	1.9314115	21	10 12.5	17.7
84070 2002 PE_{139}	15.2	X	119.62762	266.43136	166.80384	22.09808	0.0622217	0.23824324	2.5770469	21	3 14.3	18.6
84071 2002 PC_{142}	16.5	X	21.26447	207.75276	337.94084	6.62079	0.0319556	0.29598589	2.2299171	21	3 11.9	18.9
84072 2002 PP_{142}	14.3	X	208.76336	106.55493	263.81804	11.23473	0.3326623	0.23970475	2.5665612	21	3 29.8	19.3
84073 2002 PY_{158}	16.3	X	158.21577	58.53415	336.51322	6.91372	0.2004899	0.23964097	2.5670166	21	3 21.4	20.4
84074 2002 PN_{163}	15.8	X	164.15237	343.00416	132.80658	5.94266	0.1360122	0.25484743	2.4638591	21	7 5.7	19.5
84075 Peterpatricia	15.9	X	333.61623	351.68171	330.10310	1.23315	0.0587648	0.20391455	2.8587131	21	7 17.9	19.4
84076 2002 QN	14.7	X	359.14727	88.99846	311.28190	7.93467	0.0692636	0.21545533	2.7556955	21	12 9.9	18.3
84077 2002 QH_{1}	16.2	X	334.80235	182.35309	207.26352	5.60643	0.1201002	0.26247573	2.4158870	21	10 30.7	18.5
84078 2002 QA_{2}	15.9	X	174.75568	109.34485	298.53220	6.11505	0.1587103	0.24346617	2.5400580	21	4 17.6	20.0
84079 2002 QD_{5}	16.2	X	53.12220	201.02211	191.98335	5.92324	0.1121638	0.27593413	2.3366792	21	—	—
84080 2002 QU_{7}	15.0	X	20.24518	19.81214	13.94001	14.29103	0.2840949	0.21671641	2.7449948	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84081 2002 QH_9	15.6	X	310.29855	297.34146	112.05792	8.08840	0.1668625	0.20972717	2.8056463	21	10 3.3	18.8
84082 2002 QA_{18}	16.1	X	16.94807	343.72412	157.22494	5.05533	0.0921360	0.28657913	2.2784509	21	—	—
84083 2002 QC_{18}	16.5	X	303.01576	100.05505	1.14823	1.43687	0.1354703	0.26855964	2.3792617	21	12 16.2	18.6
84084 2002 QT_{21}	16.5	X	355.27913	70.44270	4.78902	2.15254	0.1766509	0.27310569	2.3527849	21	—	—
84085 2002 QU_{24}	13.9	X	102.69166	130.17602	285.83053	25.99166	0.1854115	0.17585595	3.1552323	21	2 13.7	18.8
84086 2002 QW_{26}	15.9	X	49.59255	45.52769	354.20623	4.74387	0.1238870	0.22311822	2.6922333	21	—	—
84087 2002 QR_{28}	15.7	X	242.50708	287.60805	115.27613	9.77199	0.2191735	0.25319394	2.4745744	21	6 13.7	19.7
84088 2002 QQ_{29}	16.7	X	130.58494	19.93719	16.14805	4.48341	0.1665935	0.28779428	2.2720329	21	2 15.3	19.5
84089 2002 QB_{38}	15.8	X	3.96085	47.00170	358.76246	8.72386	0.1645195	0.26830668	2.3807569	21	—	—
84090 2002 QL_{40}	15.5	X	79.12445	39.96367	352.78125	13.31212	0.2475649	0.22565614	2.6720092	21	—	—
84091 2002 QM_{45}	15.9	X	306.15256	8.34097	52.52059	9.93347	0.1934807	0.26287440	2.4134438	21	10 18.1	17.9
84092 2002 QR_{46}	15.9	X	320.72707	345.55149	13.25045	2.79016	0.2382508	0.25884746	2.4384103	21	7 31.1	17.8
84093 2002 QS_{46}	15.7	X	140.83309	166.87392	253.01159	7.10254	0.1854024	0.23799115	2.5788664	21	4 2.5	19.8
84094 2002 QB_{47}	14.8	X	107.89581	112.66350	251.55618	11.55261	0.2819796	0.22519276	2.6756734	21	1 2.8	18.3
84095 Davidjohn	16.0	X	165.59632	11.86329	122.30105	3.91645	0.1277420	0.25388369	2.4700904	21	7 31.6	19.8
84096 Reginaldglenice	16.5	X	103.38455	50.27150	323.86217	5.08688	0.1501289	0.28072879	2.3099970	21	—	—
84097 2002 RY_1	15.8	X	72.34018	91.11937	305.59219	3.05508	0.1490145	0.22478045	2.6789444	21	—	—
84098 2002 RV_2	16.1	X	37.36249	173.65103	155.31729	1.83017	0.2165789	0.26540929	2.3980522	21	12 4.1	18.9
84099 2002 RF_3	15.9	X	343.51282	301.62924	57.58677	2.15670	0.2025745	0.26029890	2.4293373	21	10 4.5	17.4
84100 Farnocchia	15.3	X	72.76985	208.41220	152.21044	5.81855	0.2004525	0.21827259	2.7319322	21	—	—
84101 2002 RQ_9	15.9	X	310.31850	225.58705	174.32669	3.33700	0.1848053	0.26076449	2.4264448	21	9 20.8	18.0
84102 2002 RX_{11}	16.1	X	69.74174	208.91472	188.64059	3.41191	0.1228242	0.27701637	2.3305894	21	—	—
84103 2002 RH_{12}	13.2	X	122.42287	191.94934	179.29287	11.29403	0.1619749	0.12343822	3.9948727	21	1 29.6	19.2
84104 2002 RN_{13}	14.9	X	235.52720	249.48150	154.01075	5.71330	0.2122230	0.19611417	2.9340222	21	6 9.6	19.7
84105 2002 RA_{15}	16.6	X	33.49222	245.87341	168.20157	1.84911	0.2228319	0.27260209	2.3556816	21	—	—
84106 2002 RD_{16}	16.2	X	3.48077	85.56089	274.64002	1.59086	0.1802613	0.26347354	2.4097836	21	11 16.9	18.4
84107 2002 RV_{17}	15.9	X	9.97237	110.23974	348.48843	6.97889	0.0641087	0.27798053	2.3251973	21	—	—
84108 2002 RA_{18}	15.9	X	334.85778	209.75345	158.13829	2.95130	0.2201590	0.25972186	2.4329343	21	9 25.6	17.3
84109 2002 RB_{18}	16.1	X	89.18554	248.67151	160.93845	5.16411	0.1272626	0.28150080	2.3057717	21	—	—
84110 2002 RQ_{18}	15.6	X	25.60560	211.42729	160.23688	9.69532	0.1726869	0.21513583	2.7584232	21	12 25.7	19.2
84111 2002 RR_{19}	16.0	X	131.49345	263.65478	102.83988	3.62403	0.1350215	0.28220443	2.3019373	21	1 2.1	18.7
84112 2002 RG_{21}	16.0	X	345.84733	321.63176	153.07331	6.27929	0.0376499	0.27746472	2.3280780	21	—	—
84113 2002 RB_{23}	16.4	X	32.91142	93.97475	325.74414	2.02440	0.1530681	0.27507643	2.3415340	21	—	—
84114 2002 RB_{25}	15.6	X	82.35800	349.67929	39.45983	3.02181	0.2392558	0.22100793	2.7093440	21	—	—
84115 2002 RC_{25}	15.5	X	197.93205	192.49455	232.52630	1.37044	0.1900818	0.24138755	2.5546190	21	6 2.7	19.8
84116 2002 RL_{25}	15.2	X	111.44475	34.33300	355.70287	3.35313	0.2339982	0.22583440	2.6706029	21	2 3.9	18.8
84117 2002 RB_{26}	15.9	X	51.81659	48.74970	328.53538	7.63769	0.2638292	0.21959665	2.7209397	21	—	—
84118 Bracalicioci	15.7	X	128.54816	296.58115	43.18430	5.32926	0.1939832	0.27942989	2.3171500	21	—	—
84119 2002 RF_{26}	15.8	X	329.06644	48.59260	24.36607	9.89594	0.2698520	0.21231996	2.7827584	21	12 7.7	18.1
84120 Antonacci	15.5	X	101.15766	223.54542	179.66051	13.76197	0.1850438	0.22662797	2.6643650	21	1 27.3	19.0
84121 2002 RE_{28}	15.1	X	132.89365	151.34602	193.04874	8.37265	0.1400780	0.22418651	2.6836738	21	—	—
84122 2002 RJ_{31}	15.9	X	134.53585	317.39481	282.42937	4.31019	0.1967635	0.26879542	2.3778702	21	11 14.8	19.8
84123 2002 RR_{33}	16.5	X	107.97053	260.63676	185.05048	6.26556	0.0785556	0.29063525	2.2572025	21	3 7.8	18.9
84124 2002 RW_{33}	16.2	X	334.78110	178.91955	188.60142	6.24674	0.1268982	0.26031255	2.4292524	21	9 25.6	18.3
84125 2002 RL_{35}	14.4	X	182.63828	277.80667	16.12930	13.42058	0.2665872	0.22495540	2.6775552	21	—	—
84126 2002 RC_{38}	15.3	X	81.95424	336.33771	141.61072	9.96919	0.0731255	0.24163977	2.5528410	21	3 26.1	18.5
84127 2002 RG_{40}	15.4	X	66.26275	297.82504	147.44050	9.22008	0.1650750	0.23163824	2.6258054	21	1 24.7	18.2
84128 2002 RF_{41}	14.7	X	121.71238	279.59934	113.33891	3.66867	0.0852178	0.18150099	3.0894657	21	2 6.6	19.0
84129 2002 RP_{41}	15.9	X	264.80186	120.02731	15.91645	6.36342	0.0728317	0.27007713	2.3703411	21	12 6.9	18.7
84130 2002 RF_{42}	14.4	X	75.68204	260.10079	124.39425	5.88917	0.1536571	0.17286456	3.1915286	21	—	—
84131 2002 RE_{43}	15.2	X	19.93770	41.58545	8.37560	9.04122	0.2266803	0.21860155	2.7291907	21	—	—
84132 2002 RH_{47}	16.7	X	152.84616	13.26279	34.51564	4.81859	0.1111469	0.29128679	2.2538354	21	3 21.9	19.6
84133 2002 RX_{48}	15.9	X	38.70446	231.39199	150.84596	8.65541	0.1757085	0.21806412	2.7336731	21	—	—
84134 2002 RN_{49}	15.6	X	346.11055	9.86207	21.83793	6.76706	0.0852201	0.26464496	2.4026673	21	11 19.7	18.3
84135 2002 RD_{51}	14.5	X	92.16826	293.93114	160.91620	13.13004	0.2484116	0.18025507	3.1036856	21	4 13.3	19.0
84136 2002 RK_{51}	15.2	X	355.95151	233.19109	141.77408	4.27365	0.1062325	0.21069404	2.7970563	21	11 6.1	18.4
84137 2002 RT_{51}	15.9	X	176.52122	20.29843	50.64360	4.52352	0.0908023	0.24414879	2.5353212	21	5 19.4	19.5
84138 2002 RT_{52}	15.3	X	338.88306	92.33906	350.45723	13.55295	0.1734493	0.21862427	2.7290017	21	—	—
84139 2002 RF_{54}	16.1	X	113.04745	28.29394	27.55653	5.73621	0.2793717	0.23123305	2.6288720	21	3 16.4	19.9
84140 2002 RE_{56}	15.2	X	85.08229	194.92892	194.64177	11.80771	0.1849031	0.22501195	2.6771066	21	—	—
84141 2002 RQ_{57}	15.7	X	103.80475	155.74838	246.76625	3.03673	0.1367196	0.28224281	2.3017287	21	1 10.8	18.0
84142 2002 RV_{58}	14.3	X	190.97252	232.57107	165.30781	8.47347	0.0999287	0.18925860	3.0044545	21	4 28.8	19.0
84143 2002 RM_{59}	15.7	X	71.64961	337.10817	15.90106	7.49795	0.1529165	0.27153470	2.3618510	21	—	—
84144 2002 RT_{59}	16.0	X	191.43383	295.50786	133.55768	5.81937	0.1683133	0.24471090	2.5314373	21	6 3.1	20.2
84145 2002 RJ_{62}	15.2	X	169.83291	186.89510	179.75259	15.27049	0.1914044	0.23331600	2.6132023	21	2 25.3	19.5
84146 2002 RW_{62}	15.5	X	351.36430	347.62328	40.60232	7.98249	0.2107486	0.26160647	2.4212357	21	12 8.2	17.6
84147 2002 RL_{64}	15.3	X	153.02108	327.42722	92.39175	2.82162	0.1444506	0.23470968	2.6028474	21	4 15.5	19.3
84148 2002 RB_{65}	15.9	X	337.43347	235.92677	109.45141	4.72075	0.2158217	0.30706272	2.1759621	21	9 2.4	16.8
84149 2002 RU_{65}	15.4	X	61.79915	282.76060	127.98929	5.75323	0.1638497	0.21986885	2.7186935	21	—	—
84150 2002 RJ_{68}	15.5	X	15.55418	130.27026	276.00057	6.00134	0.0945264	0.27186445	2.3599408	21	—	—
84151 2002 RB_{73}	16.9	X	345.37153	4.19214	330.38457	3.81094	0.1153370	0.31091717	2.1579411	21	9 1.3	18.5
84152 2002 RX_{78}	16.3	X	17.42461	158.98071	205.26914	0.89633	0.1884753	0.26595165	2.3947909	21	12 19.1	18.9
84153 2002 RU_{80}	15.6	X	81.31173	254.82724	172.27647	13.16834	0.1546595	0.22960108	2.6413144	21	1 23.8	18.8
84154 2002 RS_{81}	16.0	X	13.25419	177.13502	177.66781	1.14672	0.1864745	0.26395113	2.4068759	21	11 28.5	18.4
84155 2002 RW_{82}	16.0	X	54.24009	184.11637	177.10565	6.99878	0.1388479	0.27042504	2.3683076	21	—	—
84156 2002 RX_{82}	15.0	X	228.18902	137.68940	306.64383	1.90155	0.0862050	0.20090860	2.8871567	21	8 3.3	19.3
84157 2002 RQ_{83}	16.0	X	54.92219	183.63855	133.14661	1.63997	0.1214396	0.26520805	2.3992651	21	11 26.3	19.0
84158 2002 RM_{84}	14.2	X	147.71698	285.16782	185.62004	11.93104	0.1157322	0.19276875	2.9678706	21	6 12.8	19.0
84159 2002 RP_{84}	16.3	X	22.24645	185.94515	194.04792	1.66920	0.1716819	0.26740072	2.3861313	21	—	—
84160 2002 RV_{85}	15.0	X	333.87794	230.06212	170.49655	9.27033	0.1658560	0.20986507	2.8044171	21	11 4.3	17.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84161 2002 RT_{86}	16.8	X	172.00206	209.87071	206.45207	2.92183	0.0951013	0.29372831	2.2413285	21	4 21.7	19.8
84162 2002 RC_{91}	15.6	X	171.60106	222.61090	176.18881	21.92644	0.1012269	0.23928142	2.5695874	21	4 5.3	19.5
84163 2002 RL_{93}	15.5	X	193.82104	76.70970	302.73991	7.16824	0.1909706	0.24042328	2.5614450	21	3 30.7	19.9
84164 2002 RW_{93}	15.9	X	114.13121	112.00258	327.70626	3.97015	0.1588431	0.23562834	2.5960778	21	3 27.9	19.4
84165 2002 RM_{94}	15.9	X	22.55704	303.93447	165.54840	6.32839	0.0566604	0.27957122	2.3163690	21	—	—
84166 2002 RP_{95}	16.6	X	232.80532	32.14754	344.14181	2.15462	0.1653262	0.29731134	2.2232847	21	4 30.6	19.9
84167 2002 RT_{95}	16.2	X	122.81881	353.50335	324.90074	1.25305	0.1761252	0.27501510	2.3418821	21	—	—
84168 2002 RU_{96}	16.0	X	249.45447	303.94894	8.05486	8.16881	0.0457151	0.29092243	2.2557168	21	3 5.7	18.9
84169 2002 RC_{100}	16.0	X	116.43595	37.91763	193.28671	23.37003	0.1010738	0.36431962	1.9415460	21	10 28.2	18.4
84170 2002 RD_{101}	15.6	X	56.50435	3.19906	24.57913	6.94622	0.1386972	0.27143502	2.3624291	21	—	—
84171 2002 RQ_{101}	16.0	X	226.58686	176.97407	195.34205	3.90266	0.1460242	0.29442814	2.2377755	21	4 21.5	19.2
84172 2002 RZ_{102}	15.5	X	180.85380	46.78780	1.55087	3.80096	0.2484576	0.23783745	2.5799773	21	4 28.4	20.0
84173 2002 RA_{103}	14.8	X	232.63962	69.27523	13.11729	9.12051	0.1128322	0.19976871	2.8981291	21	8 6.5	19.2
84174 2002 RV_{104}	15.6	X	122.38313	93.45386	312.16039	1.18339	0.1484090	0.22939853	2.6428689	21	2 22.8	19.3
84175 2002 RA_{105}	16.1	X	303.87050	175.79975	187.36742	4.00278	0.1229247	0.30368462	2.1920688	21	7 22.5	18.3
84176 2002 RD_{105}	15.3	X	241.60632	350.59488	6.35569	3.75365	0.1271958	0.24086709	2.5582977	21	4 21.1	19.1
84177 2002 RM_{105}	16.0	X	162.42590	162.69300	190.57128	5.44202	0.1552216	0.28290842	2.2981170	21	1 23.1	19.3
84178 2002 RO_{105}	14.9	X	175.94104	339.72555	69.88195	1.92691	0.2453373	0.18555251	3.0443284	21	4 30.2	20.2
84179 2002 RR_{105}	14.8	X	321.74430	249.81616	201.76323	13.56608	0.1358061	0.21081148	2.7960175	21	12 19.3	18.2
84180 2002 RT_{105}	15.8	X	137.70436	229.97535	184.36509	5.90252	0.1571220	0.28495199	2.2871163	21	3 17.3	18.6
84181 2002 RK_{106}	14.7	X	98.85675	311.58900	46.24249	10.24296	0.1333060	0.21971237	2.7199842	21	—	—
84182 2002 RM_{106}	15.2	X	197.51849	293.97033	59.92685	4.10743	0.1801576	0.23423912	2.6063321	21	3 9.1	19.5
84183 2002 RE_{107}	14.3	X	16.09579	12.56120	30.05420	8.38236	0.2188280	0.21140334	2.7907964	21	—	—
84184 2002 RF_{107}	14.9	X	157.72605	35.42043	34.83358	13.52173	0.1661233	0.23498729	2.6007971	21	5 2.6	19.0
84185 2002 RM_{107}	13.4	X	142.72967	355.28234	52.67180	16.54676	0.2124187	0.17733694	3.1376410	21	4 7.1	18.7
84186 2002 RQ_{107}	15.5	X	164.79656	23.89996	44.88106	9.05788	0.2071032	0.23730044	2.5838682	21	5 9.9	19.7
84187 2002 RR_{107}	15.6	X	172.38850	244.85757	178.62651	4.38807	0.2274696	0.23781367	2.5801493	21	5 11.8	20.0
84188 2002 RC_{108}	15.2	X	166.79175	149.71430	201.31291	4.32390	0.3314510	0.22995355	2.6386146	21	2 13.5	20.1
84189 2002 RG_{108}	15.3	X	171.59927	355.62823	36.62237	3.68552	0.1039778	0.23403257	2.6078654	21	3 27.9	19.1
84190 2002 RH_{109}	16.3	X	18.25364	271.29981	178.53254	6.47149	0.0661838	0.27878047	2.3207471	21	—	—
84191 2002 RT_{109}	15.9	X	35.02321	206.16559	294.73064	5.17388	0.1244325	0.28668998	2.2778636	21	1 26.9	17.6
84192 2002 RU_{113}	15.8	X	242.48249	278.89448	135.70002	2.78818	0.2201511	0.19985538	2.8972912	21	6 28.3	20.4
84193 2002 RO_{114}	16.6	X	164.01345	284.15801	128.29998	3.91717	0.1049890	0.29151851	2.2526409	21	4 9.9	19.6
84194 2002 RS_{116}	15.7	X	71.56446	35.63922	274.17708	6.61181	0.1266893	0.26547774	2.3976400	21	12 7.2	19.0
84195 2002 RX_{116}	15.7	X	54.16757	243.63701	297.37927	6.98597	0.0458313	0.29455199	2.2371481	21	4 25.3	18.3
84196 2002 RW_{117}	15.0	X	132.90749	122.02121	252.14162	11.40437	0.1620994	0.22805163	2.6532648	21	1 25.3	19.0
84197 2002 RB_{119}	14.8	X	348.95123	34.07932	14.77456	16.10680	0.1229701	0.21515681	2.7582438	21	12 6.9	18.3
84198 2002 RQ_{120}	16.5	X	1.91708	72.45870	315.47255	1.55855	0.2193768	0.26380884	2.4077413	21	12 31.7	18.9
84199 2002 RH_{122}	16.3	X	35.42349	222.66866	103.02098	7.77038	0.1461346	0.26410562	2.4059372	21	11 17.7	19.2
84200 Robertmoore	14.4	X	338.34843	25.01687	96.92479	7.95932	0.0828861	0.17135260	3.2102751	21	—	—
84201 2002 RB_{125}	15.7	X	147.43092	90.86964	304.62734	6.84413	0.1965034	0.23469586	2.6029496	21	3 11.0	19.8
84202 2002 RF_{127}	14.8	X	359.09732	274.71905	193.21892	21.63958	0.0935062	0.22744356	2.6579917	21	—	—
84203 2002 RD_{133}	16.1	X	294.80869	353.49915	14.26232	19.99477	0.0914530	0.35889190	1.9610723	21	8 2.8	18.4
84204 2002 RZ_{133}	15.5	X	234.47726	231.04017	142.15584	15.31461	0.2422691	0.24553807	2.5257488	21	5 3.1	20.1
84205 2002 RY_{134}	16.4	X	179.49544	11.71592	21.18433	6.50727	0.0730626	0.29378671	2.2410314	21	3 28.9	19.2
84206 2002 RE_{136}	15.9	X	54.71731	12.36996	42.33352	7.63133	0.1055510	0.27784456	2.3259558	21	—	—
84207 2002 RA_{138}	15.0	X	355.79076	333.04668	17.75021	12.30683	0.2690176	0.26083066	2.4260344	21	10 26.6	16.5
84208 2002 RA_{139}	15.6	X	192.13356	312.02241	110.64415	9.07226	0.1600767	0.24511055	2.5286849	21	5 27.5	19.7
84209 2002 RS_{139}	15.4	X	118.43994	263.06653	106.42432	12.34128	0.1928206	0.22815251	2.6524826	21	1 10.4	18.8
84210 2002 RZ_{139}	15.0	X	56.39895	254.42127	136.06702	16.05214	0.2022062	0.22089087	2.7103011	21	—	—
84211 2002 RV_{141}	16.0	X	325.87286	139.99330	255.90884	4.18267	0.1118445	0.26193666	2.4192005	21	10 20.9	18.5
84212 2002 RG_{149}	15.6	X	4.29394	186.23803	326.73145	23.19968	0.1357332	0.28706275	2.2758912	21	—	—
84213 2002 RQ_{153}	16.0	X	262.01499	166.30050	349.75233	13.19469	0.1508450	0.27066773	2.3668917	21	12 20.4	18.9
84214 2002 RY_{167}	15.2	X	206.03779	294.90745	169.91895	6.28615	0.2373545	0.19864845	2.9090148	21	7 26.4	20.2
84215 2002 RP_{177}	14.2	X	207.03480	274.47355	342.87458	14.00628	0.0527923	0.17364383	3.1819730	21	—	—
84216 2002 RH_{179}	16.3	X	125.72425	71.58872	352.98905	4.47750	0.1338771	0.23538544	2.5978634	21	3 20.0	19.8
84217 2002 RW_{179}	15.2	X	253.51737	234.90094	179.12838	3.12581	0.1460712	0.19961434	2.8996232	21	7 16.7	19.4
84218 2002 RD_{180}	16.4	X	345.12058	33.47413	13.34768	3.51562	0.1200995	0.26498235	2.4006274	21	12 14.2	18.7
84219 2002 RP_{186}	15.0	X	286.94217	163.95014	306.24209	10.58028	0.0695015	0.21388585	2.7691598	21	11 21.9	18.8
84220 2002 RY_{187}	14.9	X	77.23586	352.60285	88.46143	2.22415	0.1614583	0.17935004	3.1141180	21	2 20.1	18.8
84221 2002 RN_{201}	15.6	X	175.94926	291.63019	129.60235	2.68856	0.2277803	0.24333721	2.5409553	21	5 11.5	19.9
84222 2002 RR_{220}	14.9	X	65.76411	323.75708	107.75492	12.94726	0.1512425	0.22415624	2.6839154	21	1 6.3	17.5
84223 2002 RL_{223}	15.5	X	40.16640	310.50377	149.25256	13.42472	0.0957015	0.22861625	2.6488945	21	—	—
84224 Kyte	16.4	X	58.67637	339.94160	141.14661	5.96682	0.0882433	0.28879626	2.2667746	21	2 9.9	18.5
84225 Verish	16.6	X	315.66367	103.23337	7.87195	4.56946	0.1461987	0.27124803	2.3635148	21	—	—
84226 2002 SQ_{4}	16.1	X	347.70987	280.00227	173.11498	6.59551	0.0704267	0.27193155	2.3595525	21	—	—
84227 2002 SJ_{5}	16.7	X	44.77804	231.57757	158.53178	2.36130	0.2029410	0.27110773	2.3643301	21	—	—
84228 2002 SL_{12}	17.0	X	160.84991	290.49971	137.76236	1.49345	0.1852695	0.29208680	2.2497180	21	5 2.4	20.4
84229 2002 SH_{15}	15.4	X	222.40621	245.84823	259.28485	14.25429	0.0455322	0.26162974	2.4210921	21	10 21.3	18.9
84230 2002 SV_{16}	15.2	X	79.96087	46.93435	23.85287	0.92002	0.1733757	0.17595328	3.1540686	21	2 13.1	19.3
84231 2002 SC_{17}	15.2	X	139.34680	243.53874	129.82487	13.50643	0.3206126	0.23044284	2.6348783	21	2 21.6	19.6
84232 2002 SC_{20}	15.0	X	99.18783	274.68851	174.50658	5.67958	0.1629851	0.18193060	3.0846002	21	3 30.9	19.2
84233 2002 SO_{23}	16.4	X	15.93740	73.78332	32.58191	6.62484	0.0854973	0.27746797	2.3280598	21	—	—
84234 2002 SR_{24}	15.5	X	22.16353	315.20180	109.48333	2.98846	0.1119171	0.21951814	2.7215884	21	—	—
84235 2002 SP_{25}	15.3	X	133.32899	353.38806	49.85676	6.29994	0.2351548	0.23269904	2.6178192	21	3 17.0	19.4
84236 2002 SP_{27}	16.0	X	272.90647	232.21544	121.98757	5.54860	0.1309666	0.24759451	2.5117440	21	5 24.8	19.5
84237 2002 SZ_{29}	16.6	X	25.29034	225.99976	14.53989	7.31616	0.0066472	0.30158254	2.2022431	21	6 7.9	19.1
84238 2002 SK_{30}	15.8	X	51.16395	273.86409	82.23604	6.93004	0.1470300	0.26907880	2.3762004	21	—	—
84239 2002 SL_{32}	14.8	X	167.25872	23.40191	44.46468	14.09241	0.0898353	0.18975722	2.9991890	21	5 8.2	19.3
84240 2002 SL_{33}	16.0	X	203.53871	123.64602	218.74273	2.55986	0.1512103	0.28896711	2.2658810	21	2 18.3	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84241 2002 SS_{33}	14.8	X	54.65348	164.74766	223.51112	4.20281	0.1648545	0.21932292	2.7232031	21	—	—
84242 2002 ST_{34}	16.5	X	168.20515	348.40763	44.16352	3.33614	0.1777266	0.23780093	2.5802415	21	3 28.9	20.5
84243 2002 SK_{35}	16.3	X	127.23983	40.09463	51.47688	5.44899	0.1894524	0.23680388	2.5874790	21	5 2.8	20.2
84244 2002 ST_{35}	16.2	X	122.99583	249.92861	182.66456	5.95644	0.0631827	0.28800153	2.2709427	21	3 8.9	18.8
84245 2002 SV_{35}	16.2	X	191.32868	200.23501	194.37709	3.86196	0.1436263	0.29276700	2.2462321	21	4 15.7	19.6
84246 2002 SJ_{36}	16.1	X	9.37218	20.18076	55.87148	5.56645	0.1290152	0.27099923	2.3649611	21	—	—
84247 2002 SL_{36}	16.2	X	195.02389	252.84550	131.89265	3.22539	0.1888871	0.23963507	2.5670587	21	4 12.4	20.5
84248 2002 SN_{36}	15.6	X	1.24581	358.73424	44.92141	6.27710	0.0836981	0.26622268	2.3931652	21	—	—
84249 2002 SR_{36}	15.7	X	319.87013	150.76772	67.90489	2.94930	0.0114403	0.23353059	2.6116012	21	2 14.2	19.2
84250 2002 SX_{36}	15.4	X	42.22363	50.49554	17.95780	8.20998	0.1769042	0.22149905	2.7053376	21	—	—
84251 2002 SG_{37}	15.5	X	38.88468	342.00413	117.33896	3.04949	0.1769161	0.22466650	2.6798501	21	—	—
84252 2002 SL_{41}	14.9	X	333.61522	18.34226	28.88441	16.66567	0.1748120	0.20963401	2.8064774	21	11 7.2	17.8
84253 2002 SG_{42}	16.7	X	145.63644	159.52437	5.54157	4.18032	0.0514797	0.30528709	2.1843912	21	8 21.2	19.4
84254 2002 SH_{42}	15.0	X	112.55271	29.40698	115.57969	0.44959	0.1619412	0.19055459	2.9908165	21	6 22.8	19.5
84255 2002 SF_{45}	16.0	X	34.22618	249.58949	170.37178	2.77344	0.1713320	0.21955006	2.7213245	21	—	—
84256 2002 SO_{45}	16.3	X	90.42837	33.98093	19.84956	4.55636	0.1075351	0.27998221	2.3141016	21	1 2.3	18.7
84257 2002 SU_{45}	16.4	X	192.01442	228.73937	192.27414	5.75677	0.0614564	0.29602463	2.2297225	21	5 22.0	19.3
84258 2002 SW_{45}	15.0	X	281.77823	359.04605	43.10855	2.76577	0.0971804	0.20060967	2.8900242	21	8 15.2	18.7
84259 2002 ST_{46}	14.8	X	143.10955	219.32264	208.88342	9.72461	0.0876681	0.18278947	3.0749303	21	4 13.3	19.4
84260 2002 SP_{50}	15.7	X	199.81783	183.19076	158.33142	3.30067	0.1367251	0.23471312	2.6028220	21	2 21.2	19.8
84261 2002 SD_{51}	14.3	X	24.51415	9.45009	40.99382	32.51916	0.1638125	0.21590139	2.7518986	21	—	—
84262 2002 SN_{54}	16.0	X	20.36150	126.08220	268.69672	4.09053	0.1459493	0.27000629	2.3707557	21	—	—
84263 2002 TZ_{4}	16.1	X	89.51552	219.60658	104.69867	3.60652	0.1005847	0.26896423	2.3768751	21	—	—
84264 2002 TG_{5}	14.6	X	177.21205	259.33684	181.92480	10.81896	0.1045215	0.19052653	2.9911102	21	6 6.1	19.4
84265 2002 TO_{5}	16.3	X	145.56891	259.39845	164.06965	3.33490	0.0291422	0.29075798	2.2565673	21	3 22.8	19.0
84266 2002 TS_{5}	16.5	X	318.28353	232.86955	173.12801	3.09018	0.1639746	0.25971296	2.4329898	21	10 20.9	18.6
84267 2002 TF_{6}	15.1	X	346.98983	33.80222	46.35436	13.02827	0.1229791	0.21490163	2.7604268	21	—	—
84268 2002 TU_{7}	15.9	X	302.43416	171.12859	2.37567	2.72899	0.1726333	0.27731341	2.3289248	21	—	—
84269 2002 TY_{7}	14.7	X	83.80425	89.93066	9.52700	10.66506	0.0771045	0.18177250	3.0863885	21	3 13.2	18.9
84270 2002 TT_{8}	14.9	X	212.57703	224.17646	198.13205	11.32551	0.1270140	0.19306865	2.9647964	21	6 16.3	19.7
84271 2002 TU_{8}	14.9	X	83.10461	261.58425	181.90859	3.90204	0.2462113	0.17543307	3.1603007	21	3 15.6	19.1
84272 2002 TH_{10}	15.1	X	111.30160	148.37244	218.92033	3.63102	0.1589463	0.22524291	2.6752763	21	—	—
84273 2002 TF_{11}	16.2	X	63.58068	175.39108	242.71130	1.86222	0.1062369	0.22698755	2.6615504	21	—	—
84274 2002 TY_{13}	16.4	X	135.75104	351.40940	104.04806	2.79108	0.1048935	0.29173486	2.2515270	21	5 4.6	19.3
84275 2002 TF_{14}	14.5	X	113.17237	102.83797	340.38159	22.04915	0.1018312	0.18000544	3.1065544	21	3 23.6	19.2
84276 2002 TX_{16}	15.7	X	188.93992	182.72489	194.33054	11.54948	0.0643877	0.23916204	2.5704425	21	3 22.9	19.4
84277 2002 TZ_{16}	16.2	X	75.15474	254.82903	173.25198	8.17296	0.1409058	0.22823139	2.6518714	21	1 14.3	19.3
84278 2002 TR_{20}	15.1	X	162.85186	28.27727	42.68790	10.56542	0.1012695	0.18844881	3.0130554	21	5 8.1	19.6
84279 2002 TS_{20}	16.2	X	273.72696	22.18079	184.86531	4.98010	0.0723405	0.27899358	2.3195651	21	—	—
84280 2002 TZ_{20}	15.1	X	178.77684	336.41486	67.10905	4.38668	0.0911951	0.18737303	3.0245771	21	4 22.1	19.7
84281 2002 TS_{22}	16.7	X	196.81029	165.67071	241.93631	1.35903	0.1643263	0.24238911	2.5475770	21	5 10.8	20.8
84282 2002 TV_{23}	16.0	X	261.52066	78.50966	35.31939	4.63996	0.0046435	0.26257087	2.4153033	21	11 10.8	19.1
84283 2002 TN_{24}	16.3	X	47.06462	345.38287	342.13648	1.76624	0.1973856	0.26477909	2.4018558	21	12 10.8	19.5
84284 2002 TQ_{26}	15.5	X	193.52423	313.02262	72.84259	5.47694	0.0953096	0.23874635	2.5734252	21	4 12.4	19.4
84285 2002 TB_{27}	15.3	X	229.78969	180.69045	235.46006	1.01684	0.1194837	0.19515713	2.9436066	21	6 26.8	19.6
84286 2002 TH_{27}	15.2	X	1.80263	61.91958	16.22146	11.31899	0.2003468	0.21618634	2.7494799	21	—	—
84287 2002 TQ_{28}	14.8	X	329.22150	359.47613	29.17337	15.93899	0.1364523	0.20636142	2.8360706	21	10 9.9	17.9
84288 2002 TF_{29}	15.8	X	48.23499	329.90070	45.68286	3.35197	0.1705857	0.26929592	2.3749230	21	—	—
84289 2002 TK_{29}	14.7	X	156.81641	19.49621	35.30055	10.19899	0.0879790	0.18457593	3.0550572	21	4 13.2	19.3
84290 2002 TA_{30}	15.1	X	87.34958	322.81370	49.29246	9.31226	0.1012573	0.22105017	2.7089988	21	—	—
84291 2002 TC_{32}	16.3	X	73.12674	282.74942	14.97393	1.64200	0.1897133	0.26384861	2.4074993	21	11 30.2	19.9
84292 2002 TO_{32}	15.8	X	350.36585	161.02975	35.33503	4.21671	0.0933394	0.28568098	2.2832239	21	2 5.0	18.2
84293 2002 TR_{32}	16.5	X	333.78744	247.34903	177.01115	1.37987	0.1885945	0.26288275	2.4133927	21	12 24.4	18.3
84294 2002 TJ_{33}	15.9	X	358.52952	44.69613	348.32765	2.82891	0.0968745	0.21311895	2.7757989	21	12 1.5	19.3
84295 2002 TX_{33}	16.3	X	228.37046	296.52360	4.96456	3.58063	0.0603146	0.28693340	2.2765751	21	1 24.1	19.4
84296 2002 TM_{36}	15.7	X	112.30729	314.79148	152.56246	5.57228	0.1714956	0.23555438	2.5966212	21	5 6.3	19.4
84297 2002 TW_{36}	14.9	X	70.40646	264.74784	180.95361	5.43186	0.1662053	0.17468241	3.1693480	21	2 15.3	18.8
84298 2002 TB_{38}	14.7	X	26.04339	238.67682	175.53684	5.41919	0.0650737	0.21605223	2.7506175	21	—	—
84299 2002 TS_{38}	15.0	X	158.99943	194.29112	271.05972	1.96931	0.0816036	0.18970990	2.9996877	21	6 15.4	19.3
84300 2002 TT_{38}	14.7	X	104.96785	117.56061	235.75859	5.42765	0.0333230	0.21972600	2.7198717	21	—	—
84301 2002 TA_{39}	16.2	X	354.03031	61.20690	31.42166	5.72183	0.1528495	0.26874782	2.3781509	21	—	—
84302 2002 TB_{39}	15.6	X	79.08190	60.47976	32.76705	4.03942	0.2120100	0.22768193	2.6561362	21	3 9.9	18.5
84303 2002 TX_{39}	15.6	X	337.77538	16.00718	44.65451	6.91286	0.1161724	0.26103179	2.4247880	21	12 19.5	18.1
84304 2002 TB_{40}	14.3	X	129.38445	258.77868	196.05798	9.91211	0.1051518	0.18445051	3.0564419	21	5 4.4	18.9
84305 2002 TH_{40}	14.6	X	284.77353	82.37206	227.67070	11.66160	0.1462481	0.23925561	2.5697722	21	4 4.8	18.4
84306 2002 TT_{40}	14.8	X	198.94834	280.78095	116.42361	3.10391	0.1016136	0.18765893	3.0215044	21	5 4.8	19.6
84307 2002 TU_{40}	15.7	X	356.14004	139.06694	56.95309	7.19914	0.0969433	0.28577455	2.2827254	21	2 15.1	18.2
84308 2002 TV_{40}	15.8	X	117.71750	198.39722	175.96333	6.97412	0.1203130	0.27835317	2.3231215	21	—	—
84309 2002 TW_{40}	15.3	X	224.38030	269.74421	56.40961	10.18171	0.1191985	0.23527181	2.5986999	21	3 3.3	19.5
84310 2002 TD_{41}	14.5	X	102.64726	27.28402	41.90278	13.25297	0.2521279	0.22691055	2.6621524	21	3 22.6	18.3
84311 2002 TE_{41}	15.4	X	310.83206	192.55823	240.06305	5.83315	0.1250232	0.25789914	2.4443841	21	11 16.1	17.7
84312 2002 TH_{41}	15.2	X	58.38014	273.98579	179.05280	9.50995	0.2152755	0.22484784	2.6784090	21	1 26.5	17.8
84313 2002 TP_{41}	15.2	X	121.20632	278.69109	94.34064	4.57119	0.1121244	0.22549383	2.6732912	21	1 7.3	18.6
84314 2002 TQ_{41}	16.3	X	225.05996	245.17284	134.02406	3.38894	0.1347373	0.29451209	2.2373502	21	4 30.8	19.5
84315 2002 TU_{41}	14.9	X	30.61366	51.80207	52.32936	14.71849	0.2359838	0.22158612	2.7046289	21	—	—
84316 2002 TP_{43}	15.2	X	148.71055	76.09860	16.08127	1.23923	0.1326132	0.18657405	3.0332059	21	5 22.2	19.9
84317 2002 TZ_{44}	15.6	X	285.09098	278.38611	70.83575	2.79347	0.1239018	0.24743112	2.5128497	21	6 2.7	18.9
84318 2002 TN_{45}	16.6	X	145.03232	101.55019	219.90468	3.00285	0.1470849	0.27627139	2.3347772	21	—	—
84319 2002 TX_{45}	15.3	X	308.53043	351.90484	24.41164	1.97151	0.0702006	0.20017392	2.8942167	21	8 22.7	19.1
84320 2002 TU_{46}	16.0	X	5.21391	2.47735	57.75874	2.66713	0.1720378	0.26681009	2.3896514	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84321 2002 TB_{47}	16.1	X	345.42853	17.20220	44.79693	7.92972	0.0856818	0.26458138	2.4030521	21	—	—
84322 2002 TZ_{47}	15.4	X	100.49425	236.29757	126.66738	2.07131	0.1025466	0.22112099	2.7084204	21	—	—
84323 2002 TA_{48}	15.4	X	231.49134	184.30101	49.81630	6.80928	0.2238585	0.27411171	2.3470247	21	—	—
84324 2002 TE_{48}	14.6	X	91.44128	250.18063	191.69839	4.95668	0.1609672	0.17610614	3.1522432	21	3 11.3	18.9
84325 2002 TC_{49}	14.1	X	265.71300	230.47790	35.39387	16.81644	0.0505393	0.17746579	3.1361221	21	2 17.9	19.0
84326 2002 TZ_{49}	14.6	X	228.68010	177.02418	210.42005	10.08294	0.0958194	0.19000339	2.9965980	21	5 23.4	19.2
84327 2002 TT_{50}	15.5	X	44.58658	43.24981	33.43714	8.67498	0.1789746	0.22058358	2.7128176	21	—	—
84328 2002 TM_{51}	15.4	X	355.07986	311.24626	79.79157	7.43909	0.1411657	0.26075436	2.4265076	21	12 10.8	17.9
84329 2002 TU_{51}	15.3	X	156.16947	137.88806	264.27594	1.80445	0.2219257	0.23340476	2.6125398	21	3 31.3	19.6
84330 2002 TA_{52}	16.2	X	130.02396	169.78621	206.64070	4.47380	0.1501416	0.27916522	2.3186143	21	1 15.5	19.2
84331 2002 TB_{53}	15.7	X	154.11969	16.16873	40.71384	5.74335	0.1224051	0.23390571	2.6088083	21	4 11.0	19.5
84332 2002 TC_{53}	14.9	X	342.19876	80.24538	47.60390	13.61326	0.1107071	0.21707295	2.7419882	21	—	—
84333 2002 TF_{53}	14.7	X	60.63814	225.03140	169.68999	4.83571	0.1571514	0.21718990	2.7410038	21	—	—
84334 2002 TP_{53}	14.2	X	150.57697	19.41265	56.80769	16.82526	0.1475767	0.18254911	3.0776288	21	5 7.7	19.0
84335 2002 TR_{53}	15.6	X	230.85124	213.53709	184.77287	2.67529	0.1049589	0.24303069	2.5430914	21	6 5.4	19.2
84336 2002 TT_{53}	15.2	X	159.37780	330.22368	81.02082	3.58680	0.1570790	0.23396340	2.6083794	21	4 12.4	19.3
84337 2002 TB_{54}	16.1	X	174.44250	336.09022	48.09942	4.39830	0.1564393	0.28575085	2.2828517	21	3 19.2	19.4
84338 2002 TO_{57}	16.1	X	233.35896	100.72173	209.88066	7.26211	0.1573120	0.28727581	2.2747657	21	2 5.1	19.7
84339 Francescaballi	15.3	X	351.49626	225.94606	241.24246	9.98608	0.2027587	0.22242669	2.6978105	21	—	—
84340 Jos	16.4	X	267.34236	340.14559	147.91754	2.65784	0.0847176	0.26840939	2.3801496	21	11 29.5	19.1
84341 2002 TG_{64}	15.3	X	176.46414	79.17100	305.60391	6.31526	0.1518013	0.23746673	2.5826617	21	3 21.5	19.5
84342 2002 TP_{64}	16.5	X	221.74417	179.86426	212.92342	6.31977	0.1363756	0.29527615	2.2334889	21	5 14.6	19.8
84343 2002 TF_{65}	16.5	X	331.90394	56.64787	308.15701	6.04239	0.1191597	0.25844639	2.4409323	21	9 12.9	19.1
84344 2002 TM_{65}	14.5	X	125.41584	132.70029	299.07198	9.73310	0.2171484	0.17808804	3.1288126	21	4 8.3	19.6
84345 2002 TO_{71}	15.2	X	352.94580	122.50618	336.73039	8.87489	0.1567288	0.21854637	2.7296501	21	—	—
84346 2002 TQ_{71}	15.7	X	45.07602	79.46861	352.49676	11.10157	0.1868193	0.22241505	2.6979047	21	—	—
84347 2002 TC_{72}	15.6	X	183.32512	41.75679	260.13131	6.07748	0.1468838	0.28052948	2.3110910	21	—	—
84348 2002 TQ_{72}	15.7	X	146.28994	143.77591	313.91811	4.09790	0.1248594	0.24088712	2.5581558	21	5 22.9	19.6
84349 2002 TF_{76}	15.8	X	21.06063	181.71158	222.90322	6.25297	0.0777887	0.26931422	2.3748154	21	—	—
84350 2002 TA_{77}	15.3	X	359.12873	182.94723	256.69866	3.47406	0.1503846	0.21693934	2.7431139	21	—	—
84351 2002 TE_{77}	16.5	X	9.74895	121.08402	309.54127	2.30454	0.0630571	0.27093034	2.3653620	21	—	—
84352 2002 TW_{78}	15.5	X	144.21769	4.81514	63.14233	9.92776	0.0529207	0.23698469	2.5861628	21	4 9.9	19.1
84353 2002 TU_{79}	15.7	X	111.90096	231.36871	114.71690	5.97878	0.1762132	0.27478323	2.3431993	21	—	—
84354 2002 TE_{80}	15.0	X	150.60796	345.25046	64.81604	14.28908	0.1559639	0.23445425	2.6047376	21	4 7.6	19.2
84355 2002 TY_{80}	15.7	X	169.41165	230.36618	138.82726	7.01414	0.1364868	0.28489250	2.2874347	21	2 19.9	18.9
84356 2002 TG_{82}	15.8	X	172.84147	223.45355	236.23489	6.41717	0.0892238	0.24639125	2.5199148	21	6 22.4	19.5
84357 2002 TH_{82}	15.6	X	45.80291	118.65571	242.57534	5.57321	0.1344448	0.26797537	2.3827188	21	—	—
84358 2002 TC_{83}	15.7	X	136.19129	315.38947	22.49344	9.93552	0.2245525	0.28050311	2.3112358	21	—	—
84359 2002 TQ_{83}	15.8	X	326.29284	267.54487	108.32899	5.48186	0.1788307	0.25917854	2.4363332	21	9 21.8	17.8
84360 2002 TW_{83}	14.9	X	82.79512	348.59621	45.21503	13.40859	0.1382996	0.22455874	2.6807073	21	—	—
84361 2002 TE_{84}	16.0	X	121.80468	323.10941	56.05064	7.23454	0.1217975	0.28113798	2.3077550	21	1 4.4	18.7
84362 2002 TQ_{90}	15.5	X	45.79270	87.57549	319.03840	5.38489	0.0747116	0.21972791	2.7198559	21	—	—
84363 2002 TO_{95}	15.3	X	40.43599	112.78545	315.44750	10.63790	0.1984795	0.22186400	2.7023701	21	—	—
84364 2002 TN_{97}	15.3	X	50.56044	14.55465	81.21019	15.05343	0.2182517	0.22507857	2.6765783	21	1 16.3	17.8
84365 2002 TC_{112}	14.2	X	299.89009	79.82514	3.76972	18.06339	0.1135429	0.16096436	3.3469526	21	10 20.0	18.7
84366 2002 TD_{112}	15.9	X	33.84143	36.77819	29.40496	7.37490	0.1033132	0.27637798	2.3341768	21	—	—
84367 2002 TL_{114}	13.8	X	18.99945	291.99878	233.28644	13.64936	0.2122558	0.18081213	3.0973076	21	2 20.9	17.3
84368 2002 TE_{116}	15.4	X	220.61422	143.55373	229.96506	13.84432	0.1286840	0.24250222	2.5467847	21	4 19.8	19.4
84369 2002 TU_{120}	14.8	X	74.97949	184.19125	351.21452	11.09840	0.0845831	0.19000470	2.9965842	21	6 2.6	19.1
84370 2002 TW_{121}	14.0	X	64.43544	262.08390	224.05643	21.37273	0.2085927	0.17832256	3.1260687	21	4 1.8	18.0
84371 2002 TY_{128}	15.6	X	172.66359	2.88453	316.98079	7.04476	0.1533651	0.28245890	2.3005546	21	—	—
84372 2002 TK_{129}	16.3	X	289.56110	2.83093	270.61852	5.09727	0.1296225	0.29308061	2.2446295	21	2 16.5	19.3
84373 2002 TR_{129}	15.5	X	182.74793	255.95827	267.72937	6.04226	0.0719591	0.25862534	2.4398062	21	9 25.2	19.0
84374 2002 TB_{132}	15.5	X	93.67213	263.10801	216.81558	12.75222	0.1063898	0.23784146	2.5799483	21	4 16.1	18.7
84375 2002 TL_{135}	14.4	X	107.35772	274.85199	159.16586	11.13253	0.0821823	0.17947037	3.1127259	21	3 11.4	18.7
84376 2002 TO_{135}	15.8	X	189.89929	20.54558	68.80012	11.60981	0.1918584	0.24461575	2.5320937	21	6 26.0	20.0
84377 2002 TF_{136}	14.9	X	343.87479	216.21981	254.75860	11.80042	0.1209693	0.21820253	2.7325169	21	—	—
84378 2002 TX_{137}	16.1	X	109.68508	17.51599	334.80537	7.08072	0.1327696	0.27419587	2.3465444	21	—	—
84379 2002 TB_{138}	15.2	X	207.93164	93.62193	315.05413	6.86204	0.1561383	0.24228742	2.5482897	21	5 21.1	19.4
84380 2002 TJ_{138}	15.4	X	205.34041	162.64053	262.13179	9.32564	0.1518394	0.24402364	2.5361880	21	6 10.1	19.4
84381 2002 TJ_{139}	14.2	X	90.25219	57.54121	355.13969	12.83305	0.2025747	0.17362310	3.1822262	21	2 13.3	18.5
84382 2002 TY_{139}	14.9	X	285.28916	209.59338	282.08358	6.69449	0.1704136	0.21071074	2.7969086	21	12 6.1	18.1
84383 2002 TX_{142}	16.1	X	52.43141	14.77580	59.04933	7.16731	0.1084101	0.27733034	2.3288300	21	—	—
84384 2002 TK_{143}	14.8	X	341.57367	276.49686	151.30826	8.10882	0.2100581	0.21233299	2.7826446	21	12 29.1	17.6
84385 2002 TB_{144}	15.1	X	192.96067	293.77184	136.12506	5.47174	0.2391036	0.24202632	2.5501222	21	6 4.9	19.6
84386 2002 TD_{144}	16.4	X	245.93922	182.70324	139.01290	5.61066	0.1986636	0.29186776	2.2508435	21	3 3.9	20.0
84387 2002 TA_{158}	14.4	X	105.16112	13.87782	92.12701	18.86497	0.1859892	0.18174122	3.0867426	21	5 7.6	19.2
84388 2002 TD_{158}	14.3	X	62.02582	305.76248	104.85631	11.89400	0.0803360	0.17068827	3.2185994	21	—	—
84389 2002 TO_{160}	14.7	X	143.16500	233.33083	144.57216	15.70577	0.1378800	0.23046689	2.6346951	21	2 10.3	18.5
84390 2002 TK_{161}	15.5	X	139.70183	331.53030	120.98404	13.02310	0.1364794	0.23846860	2.5754231	21	5 15.9	19.6
84391 2002 TS_{161}	14.9	X	103.84286	299.96648	103.52622	14.54681	0.1670240	0.22745126	2.6579317	21	2 1.5	18.3
84392 2002 TV_{161}	15.9	X	303.81861	33.76591	142.22533	13.54014	0.0755865	0.27552115	2.3390136	21	—	—
84393 2002 TO_{162}	15.1	X	110.94453	197.45243	140.12058	13.01258	0.1808593	0.22116155	2.7080892	21	—	—
84394 2002 TD_{174}	16.2	X	239.46535	208.62223	102.93669	7.14941	0.1257537	0.29088833	2.2558931	21	2 17.1	19.5
84395 2002 TL_{176}	16.0	X	58.93470	204.94600	110.59833	7.30125	0.1410527	0.26588856	2.3951697	21	12 3.2	19.2
84396 2002 TM_{176}	15.1	X	96.20729	285.80712	101.54549	9.07612	0.1827708	0.22623345	2.6674615	21	1 1.6	18.2
84397 2002 TP_{178}	14.6	X	242.15120	124.05662	250.70997	9.21844	0.0806809	0.19138750	2.9821330	21	5 22.6	19.0
84398 2002 TC_{179}	14.4	X	79.14551	182.05646	280.85299	13.69853	0.1314977	0.17709774	3.1404656	21	3 9.7	18.8
84399 2002 TV_{179}	15.1	X	196.62972	63.82898	354.64299	11.43498	0.2126997	0.18939693	3.0029914	21	5 22.6	20.4
84400 2002 TX_{179}	14.5	X	102.59973	183.16541	278.66479	14.17255	0.0671887	0.23356714	2.6113288	21	3 21.9	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84401 2002 TZ_{179}	14.3	X	340.85042	63.35741	357.53964	17.12401	0.1591709	0.20950483	2.8076310	21	12 10.9	17.8
84402 2002 TD_{180}	14.8	X	288.54060	135.86857	294.59351	11.11785	0.1468961	0.25537487	2.4604655	21	9 22.9	17.9
84403 2002 TA_{181}	14.6	X	175.32572	138.47421	326.35142	10.08634	0.1644354	0.19041849	2.9922415	21	7 4.5	19.7
84404 2002 TB_{181}	13.2	X	202.11206	275.83011	25.47401	22.27012	0.1060973	0.17203337	3.2018003	21	1 21.9	18.6
84405 2002 TD_{181}	14.9	X	248.96603	46.27946	315.90092	11.65341	0.2988500	0.24231867	2.5480706	21	4 16.7	19.5
84406 2002 TK_{181}	17.1	X	284.36676	138.39185	272.22090	1.20468	0.1565176	0.25616446	2.4554068	21	8 23.1	20.0
84407 2002 TU_{181}	14.7	X	201.40373	248.41298	165.85089	1.27625	0.2017872	0.18923746	3.0046783	21	5 25.1	19.9
84408 2002 TV_{181}	15.5	X	75.32815	254.45411	211.16041	10.33533	0.1460280	0.22916165	2.6446899	21	3 4.9	18.8
84409 2002 TN_{183}	16.3	X	33.48450	156.30329	269.67566	2.71436	0.0739588	0.27541516	2.3396137	21	—	—
84410 2002 TA_{187}	14.3	X	67.56249	264.26778	209.51194	15.30544	0.2131443	0.17915545	3.1163725	21	3 23.2	18.2
84411 2002 TC_{187}	16.1	X	193.47499	61.38548	324.42657	4.83248	0.2005642	0.24010654	2.5636972	21	4 8.9	20.4
84412 2002 TR_{188}	15.3	X	229.93443	296.40658	2.66930	6.18248	0.1071429	0.28411832	2.2915881	21	1 23.7	18.7
84413 2002 TU_{191}	14.9	X	141.16385	95.15121	288.62206	10.77703	0.1875622	0.23079283	2.6322138	21	2 17.1	19.0
84414 2002 TG_{195}	15.0	X	256.61413	109.76822	33.25322	7.72964	0.1447623	0.20968879	2.8059886	21	11 11.9	18.9
84415 2002 TL_{195}	15.3	X	316.43195	239.66895	161.09342	2.09460	0.0416058	0.20496804	2.8489092	21	10 8.6	19.0
84416 2002 TU_{195}	15.0	X	282.43383	229.97940	51.50529	12.93560	0.1455404	0.23601403	2.5932487	21	3 6.8	19.0
84417 Ritabo	14.8	X	87.45783	58.24342	326.30436	11.28785	0.1707929	0.22240278	2.6980039	21	—	—
84418 2002 TX_{206}	14.7	X	156.79473	210.93641	243.53136	5.38272	0.0837988	0.18900337	3.0071587	21	5 30.5	19.2
84419 2002 TE_{207}	15.7	X	262.03155	174.68968	9.24987	6.19979	0.0782029	0.27074271	2.3664547	21	—	—
84420 2002 TL_{207}	15.3	X	79.35555	97.35558	328.18254	3.83362	0.1712001	0.17332070	3.1859265	21	2 5.9	19.2
84421 2002 TT_{207}	16.3	X	104.41750	112.68546	346.39668	3.18953	0.0815503	0.28697618	2.2763489	21	3 23.2	18.9
84422 2002 TN_{209}	16.0	X	131.34035	60.33689	35.58176	11.44361	0.2296780	0.23901943	2.5714648	21	5 14.3	20.2
84423 2002 TQ_{209}	14.3	X	36.26075	224.06538	137.38188	9.41519	0.2896274	0.21450364	2.7638403	21	—	—
84424 2002 TB_{210}	14.4	X	68.22837	236.81433	234.66196	4.46000	0.1122436	0.17788603	3.1311809	21	3 7.8	18.4
84425 2002 TU_{215}	15.3	X	137.04161	300.66354	67.11238	15.48275	0.1429543	0.22921701	2.6442641	21	1 25.9	19.3
84426 2002 TP_{218}	15.7	X	39.01877	69.82942	250.45930	6.24327	0.1240038	0.26308970	2.4121269	21	11 8.5	18.6
84427 2002 TQ_{222}	15.9	X	94.53446	196.54475	180.78053	2.42268	0.1126655	0.22333814	2.6904657	21	—	—
84428 2002 TJ_{223}	16.3	X	4.84629	3.12818	52.38970	5.67339	0.1259566	0.26574044	2.3960596	21	—	—
84429 2002 TW_{223}	16.6	X	125.95826	289.43449	77.08892	1.88994	0.1675294	0.27837325	2.3230098	21	—	—
84430 2002 TL_{224}	15.6	X	216.14939	144.85583	24.67075	14.26790	0.0868067	0.26179676	2.4200622	21	11 10.3	19.0
84431 2002 TD_{225}	15.6	X	218.96964	171.90830	237.37785	1.88432	0.1078624	0.19272574	2.9683122	21	6 7.7	20.1
84432 2002 TR_{226}	15.0	X	234.43105	216.23759	179.40373	8.86200	0.0997216	0.19176118	2.9782576	21	6 8.5	19.6
84433 2002 TY_{226}	16.0	X	98.94443	35.50174	52.58193	14.96802	0.2382665	0.22984650	2.6394339	21	4 9.1	19.7
84434 2002 TD_{227}	16.2	X	180.04628	295.01266	165.86799	4.25035	0.1896821	0.24361212	2.5390434	21	7 2.1	20.5
84435 2002 TH_{227}	15.5	X	141.86520	331.68022	86.91987	4.40255	0.1908207	0.23378566	2.6097013	21	4 7.9	19.5
84436 2002 TU_{228}	14.9	X	240.63145	178.89424	52.16904	13.95490	0.1092090	0.22408946	2.6844486	21	—	—
84437 2002 TW_{231}	15.3	X	181.27825	224.89998	119.59929	15.94633	0.1418767	0.23295256	2.6159196	21	2 9.4	19.4
84438 2002 TU_{233}	15.0	X	143.43487	88.82231	330.72593	13.83568	0.0651009	0.23641977	2.5902809	21	3 20.8	18.7
84439 2002 TW_{233}	15.2	X	166.83397	131.89685	285.75843	9.83538	0.2378773	0.18604689	3.0389328	21	4 28.9	20.6
84440 2002 TE_{234}	14.7	X	19.15056	204.19929	269.35211	11.76355	0.1200976	0.22467074	2.6798164	21	—	—
84441 2002 TK_{235}	14.9	X	271.29510	164.27304	280.45704	9.08319	0.2111199	0.25585733	2.4573714	21	9 7.0	18.1
84442 2002 TL_{235}	14.8	X	87.37039	74.98450	324.39643	10.55369	0.1997103	0.22476973	2.6790296	21	1 8.4	17.8
84443 2002 TF_{236}	14.9	X	103.69648	80.22949	334.85059	13.30031	0.1614822	0.22883250	2.6472254	21	2 14.9	18.4
84444 2002 TM_{238}	15.7	X	209.65483	63.95718	278.08476	2.19834	0.1192144	0.23419399	2.6066670	21	3 2.2	19.7
84445 2002 TZ_{239}	13.9	X	310.52597	303.56208	226.00305	12.98652	0.0723192	0.17005953	3.2265277	21	—	—
84446 2002 TN_{240}	14.8	X	212.28167	105.65649	204.62732	13.33639	0.0953290	0.22750868	2.6574845	21	1 23.6	19.2
84447 Jeffkanipe	15.7	X	177.26136	346.37291	121.84620	10.33209	0.0230453	0.24691542	2.5163472	21	7 8.6	19.0
84448 2002 TX_{240}	14.4	X	143.01281	322.08169	102.50987	12.12764	0.0678544	0.18266122	3.0763693	21	4 13.3	19.1
84449 2002 TA_{241}	15.1	X	191.86693	339.05349	68.77300	2.76894	0.1350773	0.18908044	3.0063415	21	5 9.8	19.8
84450 2002 TZ_{241}	16.3	X	256.43527	39.56505	226.88621	5.28112	0.0972263	0.28451483	2.2894585	21	1 7.4	19.5
84451 2002 TP_{242}	15.2	X	126.61769	223.71077	207.05608	10.40152	0.0901749	0.18229818	3.0804524	21	3 28.5	19.7
84452 2002 TQ_{248}	14.9	X	177.75958	304.71199	133.63480	3.03750	0.1712348	0.19063730	2.9899514	21	6 3.4	19.9
84453 2002 TU_{248}	16.1	X	280.96033	163.34919	26.39995	7.04308	0.0473439	0.27726197	2.3292129	21	—	—
84454 2002 TN_{250}	14.8	X	247.09481	201.73573	174.99698	2.51134	0.0955602	0.19144308	2.9815558	21	5 29.8	19.1
84455 2002 TO_{250}	15.0	X	134.15641	229.20857	174.12540	2.23752	0.1589119	0.17815765	3.1279976	21	3 13.1	19.8
84456 2002 TR_{250}	15.6	X	42.72040	67.12940	346.06983	1.34412	0.0713035	0.21935542	2.7229342	21	—	—
84457 2002 TY_{250}	14.6	X	112.62906	292.48934	211.37780	9.12192	0.0855118	0.18767038	3.0213814	21	6 12.3	19.1
84458 2002 TB_{251}	16.1	X	83.15539	30.96854	37.67591	7.40301	0.0991784	0.27870091	2.3211888	21	1 11.7	18.6
84459 2002 TG_{251}	15.6	X	65.51848	30.64832	87.89592	5.15033	0.0359501	0.23338744	2.6126691	21	2 27.3	18.9
84460 2002 TH_{254}	16.3	X	331.50924	111.23648	160.44502	4.56393	0.0421448	0.29540441	2.2328424	21	5 2.4	18.7
84461 2002 TQ_{254}	16.0	X	77.37430	17.01780	48.50996	11.33643	0.1190614	0.27863607	2.3215488	21	—	—
84462 2002 TW_{255}	15.4	X	226.60483	206.33617	63.12254	7.38518	0.0823727	0.27761660	2.3272288	21	—	—
84463 2002 TZ_{255}	15.1	X	198.44971	247.45345	91.33378	4.24163	0.1166197	0.23150522	2.6268112	21	2 18.2	19.1
84464 2002 TT_{256}	14.8	X	91.33175	62.49205	34.56894	10.03447	0.0242178	0.18035189	3.1025747	21	3 14.9	19.2
84465 2002 TO_{257}	15.1	X	262.96024	315.97059	128.13768	3.03874	0.0305257	0.20298334	2.8674495	21	9 24.2	18.9
84466 2002 TV_{257}	15.4	X	105.66726	294.30400	171.33188	5.43068	0.0984863	0.23480666	2.6021307	21	4 14.5	18.9
84467 2002 TX_{258}	15.9	X	105.85765	281.51145	81.42796	3.91236	0.1915086	0.27501615	2.3418761	21	—	—
84468 2002 TY_{258}	15.4	X	129.55854	271.49353	174.32958	3.59664	0.1602160	0.23422908	2.6064066	21	4 25.4	19.3
84469 2002 TL_{259}	15.5	X	134.51813	295.88323	144.98226	4.95258	0.1127602	0.23451593	2.6042808	21	4 20.1	19.2
84470 2002 TB_{260}	15.8	X	166.50775	70.28959	44.72592	14.27096	0.1370973	0.24428596	2.5343721	21	7 8.2	20.0
84471 2002 TD_{260}	15.2	X	53.10765	340.49558	45.48458	6.78727	0.0458916	0.21690766	2.7433810	21	—	—
84472 2002 TZ_{260}	15.7	X	226.75537	165.17619	196.81769	6.04644	0.2089309	0.29046401	2.2580895	21	4 5.6	19.4
84473 2002 TP_{261}	15.4	X	159.02761	164.01760	100.95942	6.32722	0.0607098	0.26644338	2.3918435	21	—	—
84474 2002 TX_{263}	15.9	X	72.07671	292.31601	261.42195	7.04791	0.0700065	0.29758883	2.2219023	21	6 20.5	18.2
84475 2002 TJ_{264}	15.3	X	189.98474	117.49914	264.56256	2.24056	0.0772440	0.23543674	2.5974861	21	3 31.1	19.1
84476 2002 TR_{264}	15.1	X	346.84313	166.52873	323.89783	8.31924	0.1226873	0.22125510	2.7073258	21	—	—
84477 2002 TF_{265}	16.2	X	242.28052	110.15890	227.07127	9.42913	0.0387839	0.28924091	2.2644509	21	3 26.7	19.3
84478 2002 TC_{266}	15.3	X	133.44992	28.23289	4.93804	1.57400	0.2274425	0.22769174	2.6560599	21	3 1.9	19.3
84479 2002 TK_{266}	14.8	X	323.21189	258.28187	76.62754	14.91388	0.1155160	0.24545923	2.5262896	21	7 15.3	17.7
84480 2002 TM_{266}	15.0	X	173.81042	109.65956	246.60478	11.12772	0.2646431	0.28208483	2.3025879	21	2 12.2	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84481 2002 TB_{267}	14.4	X	136.84280	261.60417	83.29183	15.55709	0.2078347	0.21931671	2.7232545	21	1 4.6	18.5
84482 2002 TW_{267}	15.3	X	148.81907	248.76972	228.16145	13.36070	0.2353143	0.24286317	2.5442607	21	6 25.9	19.7
84483 2002 TU_{269}	16.2	X	123.77036	252.45898	297.16129	4.36684	0.0929055	0.30599542	2.1810189	21	8 28.5	19.0
84484 2002 TY_{270}	15.3	X	67.67001	256.13889	216.36683	13.64287	0.0547347	0.23303316	2.6153164	21	2 16.6	18.8
84485 2002 TY_{273}	16.4	X	49.54949	203.86876	321.17073	5.28694	0.0653571	0.29123674	2.2540936	21	3 27.4	18.6
84486 2002 TY_{275}	16.0	X	14.97997	286.13266	222.38718	6.20453	0.0618654	0.28280290	2.2986886	21	1 8.4	18.5
84487 2002 TZ_{275}	15.5	X	346.52623	219.95323	275.61074	2.71056	0.1579729	0.22221189	2.6995488	21	—	—
84488 2002 TV_{276}	15.5	X	14.32321	147.87634	280.87568	4.13353	0.0504800	0.21805468	2.7337520	21	—	—
84489 2002 TT_{277}	15.9	X	89.85809	143.85576	351.31438	3.42328	0.1975042	0.23682751	2.5873069	21	5 16.0	19.2
84490 2002 TK_{280}	15.9	X	76.05425	23.94538	341.03070	6.64988	0.1280672	0.27147404	2.3622028	21	—	—
84491 2002 TR_{280}	16.0	X	260.61194	14.42322	270.03770	5.72371	0.1036982	0.28725888	2.2748551	21	2 2.4	19.3
84492 2002 TF_{281}	15.5	X	47.46824	115.57862	275.39842	4.39384	0.1515790	0.27011537	2.3701174	21	—	—
84493 2002 TK_{282}	16.0	X	262.27659	309.66705	2.16705	7.36805	0.1486156	0.29202811	2.2500195	21	3 10.3	19.1
84494 2002 TT_{282}	14.8	X	282.55265	62.71975	355.25825	10.32410	0.1390814	0.20118468	2.8845148	21	8 31.8	18.6
84495 2002 TC_{283}	15.6	X	117.02777	90.18895	354.20756	7.99124	0.0958596	0.23359569	2.6111160	21	3 29.1	19.0
84496 2002 TJ_{283}	15.8	X	173.38089	171.11522	239.31954	8.25740	0.0964473	0.29064114	2.2571720	21	4 13.3	19.0
84497 2002 TR_{283}	14.6	X	154.10053	61.33292	17.10248	9.93497	0.2039403	0.18474933	3.0531452	21	5 12.7	19.8
84498 2002 TB_{284}	15.1	X	353.56158	294.48750	304.48189	5.95475	0.1302342	0.29265041	2.2468287	21	4 3.2	17.3
84499 2002 TE_{285}	16.0	X	46.62439	32.93020	355.56341	6.78858	0.1299593	0.26908176	2.3761829	21	—	—
84500 2002 TG_{285}	15.5	X	296.70797	342.26320	323.87067	4.53790	0.2011122	0.24375361	2.5380607	21	4 6.4	18.9
84501 2002 TH_{285}	15.3	X	355.98528	191.28266	320.83111	4.68480	0.1951201	0.22283366	2.6945248	21	—	—
84502 2002 TO_{285}	15.1	X	110.29539	99.88218	331.74283	4.95772	0.1721801	0.23013626	2.6372179	21	3 15.7	18.7
84503 2002 TX_{285}	15.8	X	236.64795	308.83203	13.02987	9.07178	0.0763275	0.28769642	2.2725481	21	3 2.9	18.9
84504 2002 TL_{286}	16.3	X	58.62747	45.35827	328.90078	1.95821	0.2021688	0.26968601	2.3726323	21	—	—
84505 2002 TP_{287}	15.0	X	133.66432	119.11418	271.83804	9.59685	0.0640996	0.22882236	2.6473036	21	2 3.5	18.8
84506 2002 TE_{288}	15.7	X	231.17512	342.73865	324.13680	6.70523	0.0852126	0.28452636	2.2893966	21	2 2.9	18.9
84507 2002 TN_{288}	15.0	X	165.39781	133.01028	233.22036	12.43457	0.1740584	0.23102937	2.6304169	21	2 16.5	19.4
84508 2002 TQ_{288}	14.6	X	191.71979	69.84947	253.70041	14.03948	0.0773776	0.22806467	2.6531637	21	1 17.8	18.7
84509 2002 TZ_{288}	15.3	X	165.40629	71.08996	3.29124	3.86090	0.1934320	0.23786367	2.5797878	21	5 16.1	19.5
84510 2002 TA_{290}	15.3	X	289.26811	124.80406	334.28430	3.11216	0.0569013	0.20945449	2.8080808	21	11 12.6	18.8
84511 2002 TH_{290}	14.9	X	194.80878	352.60773	26.69762	14.26685	0.1760241	0.23567313	2.5957488	21	4 6.2	19.1
84512 2002 TK_{291}	15.1	X	257.38293	84.58356	254.54227	13.91490	0.1434302	0.24084766	2.5584352	21	4 9.6	19.2
84513 2002 TQ_{291}	14.4	X	254.22212	139.51307	31.85195	16.13257	0.1115093	0.21089677	2.7952636	21	12 18.9	18.4
84514 2002 TC_{292}	15.7	X	48.49436	146.54328	321.69836	6.11980	0.0428359	0.22809816	2.6529039	21	1 20.8	19.0
84515 2002 TB_{293}	14.5	X	299.60478	230.27476	258.46235	12.36122	0.0873478	0.20997181	2.8034667	21	—	—
84516 2002 TK_{293}	14.3	X	199.22886	27.18167	351.00792	5.93723	0.3560888	0.18398507	3.0615945	21	4 8.4	20.1
84517 2002 TJ_{294}	15.8	X	80.07195	247.27815	238.03941	5.80873	0.1462305	0.23380142	2.6095840	21	4 9.6	18.9
84518 2002 TD_{295}	14.2	X	92.34518	182.76129	244.65130	21.28520	0.0670260	0.22780385	2.6551884	21	1 23.0	18.1
84519 2002 TE_{295}	15.0	X	32.72530	154.11815	321.75595	12.98238	0.0737950	0.22489070	2.6780687	21	1 9.9	18.3
84520 2002 TQ_{296}	16.5	X	107.59057	329.13236	134.69773	4.94921	0.1040753	0.28959517	2.2626037	21	4 10.2	19.1
84521 2002 TE_{300}	15.6	X	273.71738	261.38428	5.64083	6.62357	0.0934596	0.28554765	2.2839345	21	1 30.5	18.7
84522 2002 TC_{302}	3.9	X	327.19239	86.32409	23.80081	34.99219	0.2913931	0.00239857	55.2714448	21	11 5.4	20.3
84523 2002 UF_{2}	14.8	X	146.24804	32.74124	51.35757	16.83249	0.3251425	0.18473170	3.0533395	21	5 20.9	20.3
84524 2002 UN_{6}	16.3	X	236.58575	187.61850	139.69794	6.61286	0.1841600	0.29178933	2.2512468	21	3 3.3	19.8
84525 2002 UC_{7}	14.9	X	194.62527	258.61629	157.76386	10.64207	0.1046232	0.18991668	2.9975100	21	5 25.2	19.8
84526 2002 UE_{9}	15.3	X	72.73056	303.80523	140.60682	13.33102	0.1514925	0.22565814	2.6719934	21	2 4.5	18.3
84527 2002 UF_{9}	14.9	X	133.98609	267.59091	126.00378	13.40249	0.1732727	0.22941073	2.6427753	21	2 26.8	18.8
84528 2002 UP_{9}	14.1	X	128.93230	26.42754	56.03970	20.94143	0.1641449	0.18015054	3.1048860	21	4 28.7	19.0
84529 2002 UK_{10}	16.3	X	302.89038	342.43787	90.12650	3.80120	0.1298081	0.25909579	2.4368520	21	11 2.7	18.6
84530 2002 UC_{11}	15.6	X	26.78715	245.49039	238.39481	12.60620	0.1463361	0.22441480	2.6818535	21	1 3.6	18.6
84531 2002 UW_{12}	14.3	X	29.63898	25.29064	88.92270	9.84534	0.0705139	0.17384371	3.1795335	21	1 14.7	18.5
84532 2002 UV_{14}	15.4	X	93.14730	349.81266	112.92651	6.11679	0.1640053	0.23362015	2.6109337	21	4 5.9	18.8
84533 2002 UO_{16}	14.6	X	177.08469	228.76721	179.41470	11.11755	0.1784952	0.18473185	3.0533378	21	4 29.6	19.7
84534 2002 UR_{16}	15.0	X	27.43789	224.64421	155.94593	10.46037	0.0495830	0.21118396	2.7927288	21	12 21.4	18.9
84535 2002 UU_{19}	14.8	X	108.96461	213.88563	134.39376	5.51460	0.1435502	0.21950840	2.7216688	21	—	—
84536 2002 UV_{19}	15.8	X	328.53202	252.47144	149.62273	5.29494	0.1047932	0.25798665	2.4438314	21	11 7.1	18.3
84537 2002 UJ_{20}	16.4	X	52.99114	188.41640	215.98013	1.92506	0.1810161	0.27115616	2.3640486	21	—	—
84538 2002 UM_{21}	15.9	X	45.79482	304.20098	185.38116	2.74298	0.1198164	0.22944830	2.6424868	21	2 15.3	18.6
84539 2002 UR_{22}	15.9	X	230.90242	280.22143	60.10885	5.85595	0.1217342	0.28909006	2.2652386	21	3 18.9	19.2
84540 2002 UC_{26}	15.4	X	9.50519	354.63168	101.21009	5.74192	0.0809581	0.21994332	2.7180798	21	—	—
84541 2002 UH_{26}	16.1	X	339.12840	33.42904	98.48750	7.22525	0.0537496	0.27402581	2.3475151	21	—	—
84542 2002 UB_{27}	15.9	X	121.82181	233.64338	265.42576	2.40130	0.0519158	0.24300571	2.5432657	21	6 11.3	19.3
84543 2002 UJ_{28}	14.9	X	171.55242	302.63574	179.70892	9.38326	0.2114483	0.19074730	2.9888018	21	7 20.1	20.1
84544 2002 UC_{29}	15.3	X	67.27365	261.65495	143.96409	12.16407	0.2502024	0.22015738	2.7163176	21	—	—
84545 2002 UK_{29}	15.8	X	185.33570	280.40346	102.67160	6.18057	0.1279047	0.28820912	2.2698521	21	3 28.3	19.2
84546 2002 UR_{29}	15.7	X	17.77592	309.97519	117.73983	6.61722	0.1286487	0.26815370	2.3816623	21	—	—
84547 2002 UX_{30}	15.2	X	286.26865	131.98655	49.26788	9.71718	0.0902439	0.21728054	2.7402415	21	—	—
84548 2002 UJ_{32}	15.8	X	332.61676	231.23235	241.11447	5.76337	0.0710689	0.26808970	2.3820413	21	—	—
84549 2002 UJ_{33}	15.1	X	271.15276	262.33081	253.00705	7.76496	0.0931635	0.21237336	2.7822919	21	12 26.1	18.6
84550 2002 UN_{33}	14.8	X	120.45114	178.43796	273.84958	0.68412	0.1856225	0.18066665	3.0989701	21	4 29.4	19.5
84551 2002 UP_{33}	15.0	X	230.29605	139.63689	291.38147	1.11662	0.0874363	0.19453485	2.9498807	21	7 19.3	19.3
84552 2002 UT_{34}	15.2	X	281.76771	221.88017	197.45302	1.63889	0.0592247	0.20157186	2.8808199	21	9 10.9	19.1
84553 2002 UK_{37}	15.4	X	257.99805	299.69915	277.64201	2.82362	0.0194221	0.22263412	2.6961346	21	—	—
84554 2002 UM_{38}	15.3	X	249.74686	120.62594	312.68026	0.98452	0.0118500	0.19823745	2.9130342	21	8 24.9	19.1
84555 2002 UO_{40}	15.0	X	203.31034	138.55481	178.68557	14.28006	0.1049641	0.22948980	2.6421682	21	1 24.1	19.3
84556 2002 UQ_{45}	16.0	X	203.32078	184.74379	14.17328	4.69112	0.0897678	0.26353572	2.4094045	21	12 5.6	19.3
84557 2002 VC	14.4	X	229.15487	236.60596	67.17957	13.24059	0.1848919	0.22977596	2.6399740	21	2 6.6	19.0
84558 2002 VW_{3}	15.5	X	269.48546	74.62317	322.68650	1.26943	0.0770102	0.19650071	2.9301733	21	7 25.0	19.3
84559 2002 VY_{6}	15.4	X	130.75637	205.97987	251.28027	8.14893	0.1554518	0.23572975	2.5953332	21	5 8.9	19.2
84560 2002 VB_{7}	15.3	X	139.17307	91.98555	311.94461	2.31049	0.1814659	0.23102850	2.6304235	21	3 14.3	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84561 2002 VH_{7}	14.9	X	128.70768	162.94767	237.61240	10.97092	0.0748109	0.17672798	3.1448445	21	2 17.8	19.7
84562 2002 VO_{7}	14.9	X	125.14586	279.50948	168.22620	4.18771	0.2546148	0.18001889	3.1063996	21	5 6.6	19.9
84563 2002 VD_{8}	14.9	X	203.93303	102.27474	349.75919	9.05061	0.0322613	0.19550221	2.9401417	21	7 22.5	19.2
84564 2002 VT_{8}	16.0	X	328.66219	197.87710	346.08799	6.64707	0.0515046	0.27978417	2.3151935	21	—	—
84565 2002 VA_{9}	15.6	X	32.31000	288.44823	104.57109	7.41262	0.1062618	0.26681490	2.3896227	21	—	—
84566 VIMS	14.9	X	296.78579	249.66807	245.74495	13.54234	0.1690744	0.21282176	2.7783825	21	12 30.6	18.1
84567 2002 VX_{9}	15.5	X	355.92183	183.26610	286.11232	5.43936	0.0734772	0.21912981	2.7248028	21	—	—
84568 2002 VS_{10}	15.6	X	306.64598	22.39802	5.27483	1.72671	0.0804098	0.20049691	2.8911077	21	9 2.6	19.3
84569 2002 VC_{11}	15.8	X	73.26218	174.80744	37.69736	4.75994	0.1050754	0.29818640	2.2189329	21	7 29.6	18.3
84570 2002 VD_{11}	15.5	X	295.85462	165.55415	27.93964	8.71700	0.0659760	0.27495862	2.3422028	21	—	—
84571 2002 VR_{13}	15.2	X	220.70897	143.89025	214.57314	4.17149	0.0923687	0.23492383	2.6012654	21	4 3.7	19.1
84572 2002 VJ_{14}	16.6	X	66.13652	123.10558	214.23322	3.48572	0.0894626	0.31765222	2.1273296	21	—	—
84573 2002 VO_{15}	14.3	X	191.38909	335.16119	93.42656	33.25618	0.1746874	0.23473719	2.6026441	21	6 7.3	18.8
84574 2002 VU_{15}	14.7	X	296.61501	215.95316	182.98462	10.59215	0.1114810	0.20021419	2.8938287	21	8 26.9	18.4
84575 2002 VD_{16}	14.9	X	317.24099	28.83186	30.25381	2.48160	0.1014235	0.15517535	3.4296849	21	10 20.9	19.3
84576 2002 VH_{16}	15.4	X	168.72115	333.87314	208.33234	1.29335	0.1439417	0.20197409	2.8769939	21	9 30.0	20.1
84577 2002 VK_{16}	16.1	X	291.21549	282.77469	327.29472	4.46460	0.0993720	0.28518527	2.2858689	21	1 26.5	18.9
84578 2002 VO_{17}	15.8	X	28.89005	238.95380	176.27791	2.09762	0.0731113	0.21441921	2.7645658	21	—	—
84579 2002 VS_{18}	15.7	X	13.16153	248.83318	248.80165	2.23130	0.0324317	0.22629761	2.6669573	21	1 9.2	19.0
84580 2002 VA_{20}	15.3	X	38.18286	98.57029	75.78921	13.68819	0.1396958	0.23041408	2.6350976	21	4 15.8	18.3
84581 2002 VC_{20}	15.4	X	312.88192	144.89948	79.06133	12.04758	0.1715271	0.27845545	2.3225526	21	1 9.6	18.5
84582 2002 VL_{24}	14.6	X	152.03763	177.23430	229.67598	13.97561	0.0305966	0.17955088	3.1117953	21	3 19.1	19.3
84583 2002 VE_{27}	15.8	X	54.59422	308.13001	35.76937	2.50211	0.0746306	0.21027598	2.8007625	21	12 12.8	19.5
84584 2002 VS_{27}	15.8	X	109.75881	72.86114	244.15788	5.89757	0.0513270	0.26669230	2.3903550	21	—	—
84585 2002 VT_{27}	14.7	X	30.44292	115.38595	254.28047	2.80278	0.1274990	0.21046550	2.7990808	21	12 21.9	18.4
84586 2002 VU_{27}	15.9	X	71.39831	62.99068	4.48735	1.07209	0.1801140	0.22298887	2.6932743	21	1 14.9	18.7
84587 2002 VH_{28}	15.1	X	70.04018	178.83882	245.72192	3.75515	0.1259219	0.22300719	2.6931268	21	1 1.8	18.1
84588 2002 VQ_{28}	16.0	X	104.82853	273.84938	47.34441	7.09941	0.1487831	0.26893718	2.3770345	21	—	—
84589 2002 VR_{28}	15.3	X	158.38577	160.66156	248.07782	3.91024	0.0927318	0.23434524	2.6055453	21	3 30.9	19.1
84590 2002 VS_{28}	15.6	X	94.34826	265.13483	221.75641	12.38629	0.1205028	0.23465328	2.6032645	21	4 29.8	18.9
84591 2002 VN_{29}	16.3	X	272.67737	295.35589	32.54374	3.09355	0.1564447	0.29391129	2.2403982	21	4 10.4	19.2
84592 2002 VP_{29}	14.7	X	290.65957	122.83433	245.98696	10.96299	0.0766188	0.19473739	2.9478349	21	7 13.4	18.8
84593 2002 VL_{30}	15.2	X	42.29780	50.72860	57.10279	15.27888	0.1322267	0.22317412	2.6917837	21	1 14.8	18.4
84594 2002 VO_{30}	16.3	X	178.78096	11.20235	307.76566	1.48119	0.2201331	0.27957345	2.3163566	21	1 4.2	19.9
84595 2002 VP_{30}	15.3	X	173.53983	28.15527	48.79867	2.28440	0.1916981	0.18593165	3.0401884	21	5 29.0	20.3
84596 2002 VT_{30}	15.9	X	1.49376	53.27366	50.54562	7.99508	0.0667447	0.27036467	2.3686601	21	—	—
84597 2002 VD_{31}	15.9	X	332.51984	217.08491	226.50578	5.26597	0.0757906	0.26346820	2.4098162	21	—	—
84598 2002 VM_{31}	15.2	X	113.36808	220.29898	208.91879	3.29311	0.1629559	0.17644793	3.1481712	21	3 22.2	19.8
84599 2002 VT_{31}	14.3	X	172.70812	44.33291	72.78207	10.50086	0.1138009	0.19024095	2.9941028	21	7 16.3	19.1
84600 2002 VH_{32}	15.4	X	150.34895	26.34767	65.42960	0.88413	0.1721890	0.18379541	3.0637003	21	5 26.2	20.1
84601 2002 VR_{32}	15.5	X	322.72316	276.08341	201.90440	3.11577	0.1543411	0.21234561	2.7825343	21	—	—
84602 2002 VX_{32}	15.6	X	79.29197	173.41644	212.07997	1.60653	0.1296311	0.21872374	2.7281742	21	—	—
84603 2002 VA_{33}	15.8	X	133.58223	174.33181	236.02107	2.08918	0.0971844	0.22947355	2.6422929	21	3 6.4	19.6
84604 2002 VW_{33}	14.0	X	61.74192	286.08321	240.69572	20.80231	0.2358240	0.17778866	3.1323240	21	5 29.1	17.8
84605 2002 VL_{34}	15.2	X	343.78834	90.43589	69.12284	5.91395	0.0980554	0.22055505	2.7130515	21	—	—
84606 2002 VY_{34}	14.7	X	57.55520	64.60919	47.91827	5.73637	0.1188973	0.17462181	3.1700812	21	2 27.7	18.7
84607 2002 VL_{35}	15.1	X	78.87322	81.98612	179.17415	1.80213	0.0272388	0.19971800	2.8986197	21	9 21.9	19.2
84608 2002 VX_{35}	16.8	X	303.17135	112.98007	212.12459	1.76216	0.1002838	0.29803888	2.2196650	21	5 27.0	18.9
84609 2002 VE_{36}	15.6	X	150.16293	7.75967	111.61059	10.87347	0.0751072	0.24032872	2.5621169	21	6 22.7	19.3
84610 2002 VX_{36}	15.1	X	51.14037	308.66865	193.67815	10.45900	0.0896505	0.17920784	3.1157652	21	3 20.2	19.0
84611 2002 VA_{37}	15.4	X	309.16954	357.84785	152.90443	5.45356	0.0539334	0.21881143	2.7274453	21	—	—
84612 2002 VB_{37}	15.2	X	333.93832	324.93603	130.08314	5.66918	0.0884410	0.21411275	2.7672030	21	—	—
84613 2002 VX_{37}	15.9	X	309.39433	341.80851	93.71661	7.35524	0.1391368	0.26104840	2.4246852	21	11 19.8	18.2
84614 2002 VE_{38}	15.8	X	6.51671	242.18061	350.85489	5.74939	0.0708546	0.29345582	2.2427157	21	4 25.3	18.2
84615 2002 VY_{38}	15.0	X	126.88969	251.97665	106.48240	7.40799	0.1432411	0.22398113	2.6853141	21	—	—
84616 2002 VZ_{38}	16.2	X	255.77043	183.91455	157.78042	5.80395	0.1591166	0.29405866	2.2396495	21	4 11.6	19.4
84617 2002 VA_{39}	14.9	X	105.35785	225.18648	102.68319	9.36214	0.1059006	0.21593726	2.7515938	21	—	—
84618 2002 VF_{40}	14.7	X	84.25753	46.24582	8.39287	10.87157	0.0741389	0.17158141	3.2074204	21	1 20.7	19.2
84619 2002 VL_{41}	16.2	X	232.20451	5.70482	277.89218	4.32457	0.1779797	0.28244270	2.3006425	21	1 4.7	19.9
84620 2002 VL_{43}	15.8	X	299.50816	164.72564	30.97569	11.18588	0.0905715	0.27596025	2.3365318	21	—	—
84621 2002 VD_{44}	15.5	X	55.15391	306.45243	205.30132	11.26085	0.1343812	0.23179840	2.6245958	21	4 5.1	18.5
84622 2002 VL_{44}	15.7	X	226.38148	17.47786	114.15516	3.25035	0.0346214	0.25567455	2.4585424	21	10 15.1	18.8
84623 2002 VU_{44}	15.3	X	255.41602	173.05447	70.27207	12.77679	0.0147887	0.22382704	2.6865464	21	—	—
84624 2002 VR_{45}	14.9	X	144.68924	90.60415	318.70283	8.64795	0.0853010	0.17960638	3.1111543	21	3 20.0	19.6
84625 2002 VR_{46}	16.0	X	319.10632	233.47057	202.13523	6.36158	0.0365009	0.26192966	2.4192436	21	12 8.2	18.9
84626 2002 VB_{47}	15.6	X	148.31927	308.84407	92.28529	4.39602	0.0492082	0.23204052	2.6227697	21	3 9.2	19.2
84627 2002 VH_{47}	15.8	X	28.28275	85.24204	77.30471	7.58363	0.0489712	0.28321548	2.2964556	21	2 24.4	18.4
84628 2002 VB_{49}	15.0	X	92.59771	52.37915	105.36088	4.67291	0.2287755	0.23633351	2.5909111	21	6 24.9	18.7
84629 2002 VD_{49}	15.1	X	241.81457	205.22259	200.13752	6.88946	0.0840083	0.19265581	2.9690304	21	6 29.5	19.5
84630 2002 VZ_{49}	15.4	X	81.66517	29.26197	78.49316	12.74472	0.1497190	0.22942238	2.6426858	21	3 29.7	18.9
84631 2002 VW_{51}	15.2	X	232.00786	127.41995	65.58246	14.06038	0.1597391	0.26645419	2.3917788	21	12 23.8	18.3
84632 2002 VN_{52}	14.9	X	79.50610	33.96127	61.72505	12.79435	0.1545018	0.22971988	2.6404037	21	3 10.6	18.3
84633 2002 VF_{53}	16.2	X	4.59458	231.56624	202.88740	5.20574	0.0183240	0.26850968	2.3795568	21	—	—
84634 2002 VL_{53}	15.5	X	158.27205	227.74815	88.41801	3.61444	0.0714644	0.22163138	2.7042606	21	—	—
84635 2002 VD_{54}	15.8	X	84.93984	107.63938	92.08134	2.09813	0.0372965	0.24560831	2.5252672	21	7 13.6	19.1
84636 2002 VX_{54}	14.5	X	45.59702	203.54888	271.08986	11.49559	0.0925205	0.17415210	3.1757787	21	2 3.5	18.7
84637 2002 VG_{55}	15.3	X	72.01712	220.44440	258.35312	12.89981	0.1011401	0.23167534	2.6255251	21	3 7.1	18.7
84638 2002 VO_{55}	15.8	X	298.09362	325.74109	238.07107	4.17516	0.1054743	0.27606190	2.3359582	21	—	—
84639 2002 VQ_{55}	16.5	X	207.83536	315.06688	16.18193	2.93745	0.1210193	0.28481683	2.2878398	21	2 10.4	19.8
84640 2002 VZ_{55}	14.6	X	138.00111	358.76647	73.89260	10.27934	0.0610667	0.18251641	3.0779963	21	4 15.2	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84641 2002 VE_{58}	15.1	X	326.00119	59.21301	95.71919	9.95283	0.0760265	0.21878304	2.7276812	21	—	—
84642 2002 VQ_{58}	15.8	X	90.84945	325.98715	77.41713	8.27935	0.1251488	0.27553422	2.3389397	21	—	—
84643 2002 VT_{58}	14.8	X	205.21718	262.04530	82.22789	15.16817	0.1267792	0.23177847	2.6247463	21	3 9.5	19.2
84644 2002 VW_{58}	15.5	X	35.76620	251.29830	176.53664	3.68280	0.0803886	0.21698410	2.7427366	21	—	—
84645 2002 VE_{59}	16.2	X	25.36944	279.04130	142.54877	5.44297	0.1039904	0.26943412	2.3741108	21	—	—
84646 2002 VM_{60}	14.9	X	53.27223	25.64736	73.14194	22.59072	0.0530146	0.22608728	2.6686112	21	1 16.2	18.6
84647 2002 VN_{60}	14.9	X	94.42560	267.74266	94.15171	9.05670	0.0734525	0.21907043	2.7252952	21	—	—
84648 2002 VR_{60}	14.3	X	15.96426	302.70916	211.62393	16.45507	0.0850215	0.17455501	3.1708900	21	2 7.2	18.7
84649 2002 VL_{62}	15.4	X	55.46912	100.57187	310.10448	4.73940	0.0191143	0.21952726	2.7215130	21	—	—
84650 2002 VC_{66}	15.2	X	10.09191	131.94646	30.77001	1.31622	0.1142462	0.17521119	3.1629682	21	2 13.4	19.1
84651 2002 VS_{66}	14.9	X	241.36788	147.52692	217.12238	10.58978	0.0248758	0.18777998	3.0202057	21	5 15.8	19.3
84652 2002 VK_{68}	14.6	X	59.13538	128.17132	317.66160	7.10905	0.0391382	0.17259329	3.1948718	21	1 19.4	18.9
84653 2002 VS_{68}	14.6	X	139.19675	220.53820	118.37123	14.16079	0.1900681	0.22303803	2.6928786	21	—	—
84654 2002 VQ_{70}	15.9	X	351.99472	136.00816	67.53930	6.46803	0.1017508	0.28609528	2.2810191	21	2 18.1	18.3
84655 2002 VN_{73}	15.8	X	156.85706	283.86328	103.78836	5.02254	0.2260854	0.23242033	2.6199117	21	3 17.9	20.1
84656 2002 VS_{74}	15.6	X	225.85267	133.72457	110.03546	5.74071	0.1289700	0.27454353	2.3445630	21	—	—
84657 2002 VT_{76}	16.3	X	133.05092	191.29735	130.11247	3.36102	0.1866551	0.27350544	2.3504918	21	—	—
84658 2002 VX_{76}	15.2	X	281.48246	280.76881	127.98896	2.98130	0.0838600	0.19871453	2.9083699	21	8 24.7	18.9
84659 2002 VO_{78}	15.6	X	50.88368	348.18282	79.67486	7.87051	0.0791357	0.27322708	2.3520880	21	—	—
84660 2002 VZ_{78}	15.7	X	88.17224	329.30548	121.66727	4.20292	0.1984636	0.22776150	2.6555175	21	3 18.9	18.9
84661 2002 VA_{79}	14.7	X	62.49406	267.69426	221.86962	17.29231	0.1056670	0.17641939	3.1485107	21	3 19.4	19.0
84662 2002 VU_{80}	14.5	X	209.32044	172.43268	215.27733	9.52796	0.1091574	0.18547527	3.0451735	21	5 2.7	19.3
84663 2002 VW_{80}	14.0	X	355.75198	151.00841	82.16494	14.27647	0.0334322	0.18263553	3.0766578	21	4 30.6	18.3
84664 2002 VG_{81}	15.3	X	175.91678	49.88588	73.67432	14.02161	0.1164714	0.24419695	2.5349879	21	7 30.6	19.4
84665 2002 VZ_{81}	14.7	X	127.61764	130.04682	207.93911	8.35332	0.1503057	0.21939836	2.7225788	21	—	—
84666 2002 VE_{82}	15.5	X	202.36490	227.60457	166.09392	4.04216	0.1458195	0.23751131	2.5823386	21	4 30.2	19.5
84667 2002 VO_{82}	16.0	X	199.49762	169.18847	179.55543	4.69926	0.2892339	0.28643569	2.2792115	21	2 26.9	19.9
84668 2002 VS_{82}	15.1	X	359.63956	245.03356	110.67880	6.94521	0.1564804	0.25527480	2.4611084	21	11 1.5	17.6
84669 2002 VZ_{82}	15.5	X	304.76175	324.81296	201.64342	9.14127	0.0355348	0.21866878	2.7286314	21	—	—
84670 2002 VF_{83}	15.2	X	310.14235	186.59761	81.18481	16.43453	0.1039749	0.23525072	2.5988552	21	4 1.2	18.9
84671 2002 VS_{83}	15.1	X	171.50817	242.65113	84.52664	15.61470	0.0954308	0.22312790	2.6921554	21	1 6.6	19.1
84672 2002 VG_{84}	14.8	X	219.74440	141.97760	240.07509	13.00247	0.1554885	0.23761325	2.5816000	21	4 29.2	18.9
84673 2002 VW_{86}	15.2	X	73.36039	44.51348	346.13449	4.57819	0.0749867	0.21938482	2.7226908	21	—	—
84674 2002 VT_{87}	15.4	X	62.82359	119.43419	334.43243	4.45104	0.1799193	0.22444808	2.6815884	21	2 4.7	18.2
84675 2002 VW_{87}	14.5	X	230.32600	121.80747	254.80067	9.58426	0.1655457	0.18846783	3.0128527	21	5 4.6	19.5
84676 2002 VM_{88}	15.8	X	156.69369	36.25056	82.73831	5.80387	0.1299552	0.24304205	2.5430122	21	7 2.3	19.7
84677 2002 VT_{88}	15.0	X	259.60555	38.78152	254.73264	11.05259	0.1349572	0.23393975	2.6085552	21	2 14.9	19.3
84678 2002 VW_{88}	15.9	X	355.56944	74.42355	2.61129	4.75241	0.1472571	0.21325922	2.7745816	21	—	—
84679 2002 VC_{89}	15.2	X	339.13780	96.07640	340.76871	5.46529	0.0425287	0.21222001	2.7836321	21	12 26.6	18.8
84680 2002 VN_{89}	13.9	X	128.03311	279.47858	103.28718	19.08019	0.1323487	0.16953215	3.2332156	21	2 11.8	18.9
84681 2002 VR_{89}	15.5	X	277.17856	71.15224	89.72564	9.26905	0.0858400	0.26790073	2.3831614	21	—	—
84682 2002 VN_{94}	15.8	X	2.32699	63.57165	8.14864	2.78235	0.0733056	0.21218203	2.7839642	21	—	—
84683 2002 VT_{95}	15.0	X	30.48844	92.91998	15.31834	12.67540	0.1553683	0.22190823	2.7020110	21	—	—
84684 2002 VO_{100}	14.9	X	34.81581	48.98241	10.05886	9.00279	0.1795240	0.21746832	2.7386638	21	—	—
84685 2002 VB_{102}	13.9	X	91.69595	350.62485	101.91818	19.01663	0.1630710	0.17253932	3.1955380	21	4 5.1	18.7
84686 2002 VG_{102}	15.4	X	134.73040	152.15797	193.59415	2.16122	0.0912083	0.22069928	2.7118694	21	—	—
84687 2002 VK_{102}	15.4	X	299.10789	259.54036	250.80957	6.49920	0.1610275	0.21526656	2.7573062	21	—	—
84688 2002 VO_{102}	15.6	X	281.44934	119.01375	9.26792	5.69828	0.0435584	0.21118399	2.7927285	21	12 11.3	19.4
84689 2002 VY_{102}	16.0	X	205.95958	288.23705	359.62056	6.74276	0.1156218	0.27814722	2.3242682	21	—	—
84690 2002 VJ_{105}	16.5	X	273.39972	35.99034	343.46366	1.80891	0.0416176	0.29920069	2.2139152	21	7 13.3	19.0
84691 2002 VT_{105}	15.4	X	103.81721	52.09125	326.24183	4.23770	0.0426191	0.22104884	2.7090097	21	—	—
84692 2002 VT_{107}	15.0	X	91.05713	78.04596	267.36085	10.39863	0.0568209	0.21496549	2.7598802	21	—	—
84693 2002 VY_{107}	15.1	X	148.36720	13.59460	47.10671	10.23597	0.0757379	0.18059709	3.0997658	21	4 12.1	19.7
84694 2002 VR_{108}	16.0	X	231.13133	26.67814	347.52671	3.13486	0.1766968	0.24046735	2.5611320	21	4 28.9	20.0
84695 2002 VH_{109}	15.3	X	260.76136	310.49556	50.41705	5.59211	0.2780572	0.24295306	2.5436331	21	5 2.5	19.4
84696 2002 VQ_{109}	15.0	X	106.75894	92.61112	36.90394	7.16351	0.1264167	0.18193559	3.0845438	21	5 22.6	19.5
84697 2002 VL_{110}	14.6	X	55.13970	70.53376	302.34820	7.69270	0.2338458	0.26331826	2.4107309	21	—	—
84698 2002 VN_{110}	13.6	X	254.69852	341.43367	71.42599	12.60466	0.2801394	0.19139064	2.9821004	21	7 1.6	18.5
84699 2002 VU_{110}	15.0	X	113.25243	352.98872	57.84781	7.56231	0.2097734	0.22336520	2.6902483	21	3 4.3	18.8
84700 2002 VL_{112}	15.2	X	350.65858	254.00018	261.79792	11.93612	0.1206337	0.22306113	2.6926927	21	—	—
84701 2002 VX_{112}	16.1	X	56.52371	237.66877	231.77179	6.84708	0.1275692	0.22611667	2.6683799	21	2 5.4	19.1
84702 2002 VQ_{113}	15.3	X	24.90168	145.51423	232.83791	3.55767	0.0856817	0.21030888	2.8004703	21	12 19.4	19.0
84703 2002 VX_{113}	14.9	X	45.54491	273.06127	211.27478	5.06104	0.1519479	0.17261797	3.1945673	21	2 22.2	18.8
84704 2002 VN_{115}	14.7	X	187.51608	206.44886	278.02388	9.35283	0.0651704	0.19496083	2.9455821	21	8 7.2	19.2
84705 2002 VK_{117}	14.9	X	252.46536	138.39831	29.12732	18.85007	0.0754360	0.21107369	2.7937014	21	12 16.0	19.0
84706 2002 VF_{119}	15.7	X	113.11109	351.44930	14.66197	5.17921	0.1908568	0.27489736	2.3425507	21	—	—
84707 2002 VJ_{119}	15.2	X	335.74824	102.26937	20.98986	5.69497	0.1675178	0.21396502	2.7684766	21	—	—
84708 2002 VU_{119}	14.6	X	346.29469	87.76251	62.98938	14.17445	0.0742611	0.21857632	2.7294007	21	—	—
84709 2002 VW_{120}	12.2	X	257.65166	74.74432	279.44258	14.82898	0.0679209	0.08243413	5.2287517	21	5 20.9	19.3
84710 2002 VE_{121}	15.1	X	39.88694	339.37037	35.01467	14.92582	0.0342597	0.21105522	2.7938643	21	12 26.4	19.1
84711 2002 VH_{121}	15.4	X	127.83524	55.75091	332.35782	5.29157	0.0697062	0.22632650	2.6667304	21	1 29.0	18.9
84712 2002 VY_{121}	15.2	X	48.49861	272.29521	272.37031	15.52726	0.1920229	0.23594247	2.5937730	21	5 17.9	18.0
84713 2002 VM_{122}	15.9	X	250.18071	351.55092	307.11279	6.98366	0.1515891	0.28659917	2.2783447	21	2 7.9	19.2
84714 2002 VE_{123}	15.3	X	184.92240	155.47515	294.15373	8.21783	0.1955390	0.24201011	2.5502360	21	6 22.7	19.6
84715 2002 VT_{124}	16.2	X	146.49824	270.46220	117.16522	6.66829	0.0783114	0.28282690	2.2985586	21	2 11.5	19.1
84716 2002 VK_{127}	14.8	X	118.00833	121.39584	19.10072	8.85889	0.0320517	0.18765264	3.0215719	21	6 6.0	19.1
84717 2002 VD_{128}	14.7	X	156.44013	356.07049	298.15625	12.72159	0.1459253	0.22211121	2.7003645	21	—	—
84718 2002 VQ_{128}	15.7	X	129.68840	5.39419	70.32993	9.02556	0.0667651	0.23227875	2.6209761	21	4 4.7	19.4
84719 2002 VR_{128}	4.9	X	80.13273	288.69295	22.99750	13.99083	0.2672617	0.00396931	39.5056663	21	11 22.4	21.0
84720 2002 WT_{2}	14.7	X	48.75802	325.06862	205.78943	14.23487	0.0776567	0.18090279	3.0962727	21	4 22.5	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84721 2002 WU_2	15.7	X	12.47595	1.94387	100.95609	7.25290	0.0245872	0.21927119	2.7236314	21	—	—
84722 2002 WV_2	14.7	X	116.60276	95.46733	24.52752	22.54798	0.0516953	0.23356292	2.6113603	21	5 3.9	18.4
84723 2002 WQ_3	14.8	X	348.35789	179.29984	70.35090	15.37358	0.1204853	0.23831146	2.5765551	21	4 29.1	17.8
84724 2002 WS_3	15.6	X	344.79289	237.36617	118.96129	3.29782	0.0624708	0.20074006	2.8887725	21	9 21.1	19.3
84725 2002 WB_4	16.4	X	97.62328	287.20484	125.13260	3.03124	0.0799509	0.22437183	2.6821959	21	1 21.5	19.8
84726 2002 WJ_6	14.6	X	199.35907	168.04924	279.42323	8.32385	0.0254631	0.19263081	2.9692873	21	7 8.6	18.7
84727 2002 WL_6	15.7	X	336.33101	235.52060	279.57617	2.33816	0.1821961	0.21973285	2.7198152	21	—	—
84728 2002 WZ_7	15.3	X	217.28594	192.51347	211.49521	1.23128	0.1042069	0.18863297	3.0110940	21	5 30.8	19.9
84729 2002 WP_8	15.9	X	318.86548	53.68546	209.33872	5.54462	0.0819377	0.28822349	2.2697767	21	3 22.3	18.5
84730 2002 WB_{10}	15.5	X	151.02105	5.26401	79.84104	14.79608	0.0914278	0.23675016	2.5878705	21	5 13.7	19.4
84731 2002 WP_{10}	15.4	X	117.14524	35.24590	117.20431	4.99600	0.1504462	0.23928061	2.5695932	21	7 5.8	19.0
84732 2002 WT_{10}	15.9	X	312.25228	215.91915	169.85139	6.90473	0.0959544	0.25320767	2.4744849	21	9 12.2	18.6
84733 2002 WS_{11}	15.2	X	129.83890	294.66739	108.44919	15.37921	0.1035606	0.22832284	2.6511633	21	2 27.3	19.1
84734 2002 WX_{11}	15.2	X	146.00686	287.19823	186.12646	13.37030	0.1385825	0.23830317	2.5766148	21	6 14.7	19.4
84735 2002 WO_{12}	15.6	X	215.54506	280.69779	163.33134	15.29235	0.0219323	0.24527129	2.5275800	21	7 24.5	19.3
84736 2002 WS_{12}	14.7	X	97.05138	227.52349	197.94816	16.86383	0.1325636	0.17330485	3.1861208	21	2 19.7	19.3
84737 2002 WZ_{12}	16.0	X	322.85593	342.50797	57.03212	22.47077	0.1088015	0.36611855	1.9351809	21	11 18.1	17.0
84738 2002 WG_{13}	14.6	X	131.64632	26.90633	109.12178	13.55104	0.1016640	0.18900752	3.0071147	21	6 26.2	19.1
84739 2002 WS_{15}	15.1	X	44.18503	19.25743	100.94073	9.75232	0.0771484	0.22563031	2.6722131	21	2 1.4	18.3
84740 2002 WW_{15}	15.6	X	337.02817	345.06629	146.61955	4.86841	0.0613767	0.21794755	2.7346477	21	—	—
84741 2002 WW_{16}	15.0	X	215.45022	114.42696	218.83118	13.59934	0.0948259	0.23065644	2.6332514	21	2 21.9	19.3
84742 2002 WF_{17}	16.0	X	141.02427	224.88410	135.90752	7.50487	0.1314369	0.27702634	2.3305334	21	1 7.3	18.9
84743 2002 XY_1	15.1	X	74.35999	288.62400	175.94675	5.20579	0.1188645	0.17463311	3.1699445	21	3 11.2	19.2
84744 2002 XX_2	14.1	X	156.77393	284.73917	93.51879	17.34833	0.2510184	0.17859501	3.1228887	21	3 19.0	19.7
84745 2002 XL_4	14.1	X	206.53367	104.75066	273.56893	13.82684	0.1353150	0.23730119	2.5838627	21	4 7.5	18.5
84746 2002 XR_6	16.6	X	258.97810	276.70824	69.04395	1.72565	0.1037578	0.29416988	2.2390850	21	4 25.1	19.6
84747 2002 XX_7	14.1	X	1.87492	140.43183	63.86855	15.01005	0.1488931	0.17866223	3.1221053	21	3 30.8	18.0
84748 2002 XQ_9	16.2	X	125.69472	314.79459	64.05518	2.71339	0.0606563	0.27689879	2.3312491	21	—	—
84749 2002 XA_{10}	15.0	X	59.74960	176.50174	240.64923	4.28140	0.1421179	0.21755447	2.7379407	21	—	—
84750 2002 XN_{10}	15.3	X	156.64194	210.26045	266.30635	11.81602	0.1241110	0.24293223	2.5437785	21	6 28.3	19.1
84751 2002 XM_{11}	15.7	X	226.05379	294.91561	22.33595	11.11590	0.1516826	0.28546019	2.2844010	21	2 14.4	19.4
84752 2002 XT_{11}	14.5	X	237.54735	344.56492	322.44064	8.26982	0.1273681	0.23209563	2.6223545	21	2 15.2	18.4
84753 2002 XA_{16}	15.7	X	37.99164	345.76461	324.43344	9.70896	0.1957132	0.25798844	2.4438200	21	10 31.0	18.9
84754 2002 XP_{18}	15.2	X	108.94092	137.95971	259.27217	7.39630	0.1638418	0.22391734	2.6858241	21	1 27.8	18.7
84755 2002 XZ_{18}	14.7	X	250.98953	155.42640	70.93093	14.86182	0.0970465	0.21331553	2.7740933	21	—	—
84756 2002 XM_{19}	16.1	X	23.76113	148.36182	38.43770	7.93336	0.1258748	0.28581002	2.2825366	21	3 21.8	18.1
84757 2002 XN_{20}	15.5	X	240.52128	295.57056	22.81526	2.86116	0.0735879	0.23353385	2.6115769	21	3 8.4	19.1
84758 2002 XT_{20}	15.8	X	261.82973	322.77556	318.65923	4.70729	0.1420350	0.28428763	2.2906781	21	1 30.6	19.1
84759 2002 XR_{22}	15.0	X	208.63755	31.87182	275.81132	10.93032	0.1919551	0.22728616	2.6592187	21	1 20.1	19.5
84760 2002 XS_{22}	15.5	X	274.18043	135.25250	50.58487	5.58483	0.0848116	0.21434368	2.7652151	21	—	—
84761 2002 XJ_{24}	15.6	X	329.26680	259.02157	70.43765	3.38136	0.0558832	0.24562526	2.5251511	21	7 23.8	18.6
84762 2002 XL_{26}	15.6	X	45.40991	220.20788	310.11048	13.55346	0.0440328	0.23549868	2.5970306	21	3 29.6	19.1
84763 2002 XS_{26}	15.2	X	53.59567	151.99615	3.17312	15.84086	0.0913466	0.23290204	2.6162979	21	4 1.0	18.2
84764 2002 XC_{30}	14.8	X	182.14088	220.26825	90.47426	13.73602	0.1675556	0.22313756	2.6920777	21	1 2.6	19.1
84765 2002 XE_{32}	15.7	X	97.59313	107.39096	16.54829	5.42225	0.1419262	0.17906106	3.1174676	21	5 6.8	20.1
84766 2002 XM_{32}	15.5	X	128.39313	63.30326	3.60651	5.68973	0.0763343	0.22963278	2.6410713	21	3 19.9	19.0
84767 2002 XL_{33}	15.4	X	91.34575	15.36130	69.19387	13.81879	0.1497830	0.22938347	2.6429846	21	3 13.4	19.0
84768 2002 XA_{36}	15.2	X	348.97679	75.57856	73.77600	5.92624	0.1008945	0.21982872	2.7190243	21	—	—
84769 2002 XW_{36}	15.3	X	34.59322	148.74610	23.02709	7.06376	0.0792404	0.23102350	2.6304615	21	3 27.1	18.2
84770 2002 XX_{36}	14.7	X	216.65408	58.37427	328.07247	12.08689	0.2236795	0.23855483	2.5748024	21	4 25.1	19.4
84771 2002 XQ_{38}	15.7	X	280.89800	180.77421	325.74368	4.46168	0.0218208	0.21127978	2.7918843	21	—	—
84772 2002 XG_{42}	14.8	X	131.65711	205.03526	288.20389	7.70066	0.1522702	0.18362763	3.0655662	21	6 27.1	19.5
84773 2002 XN_{42}	13.9	X	236.19498	239.72593	85.46897	16.72651	0.0756096	0.17514793	3.1637298	21	3 27.2	19.0
84774 2002 XU_{51}	14.8	X	150.53237	107.03328	254.89973	13.67856	0.0359119	0.22355482	2.6887269	21	1 15.8	18.8
84775 2002 XW_{51}	15.4	X	39.38775	311.48150	87.53919	7.70243	0.0570587	0.21274688	2.7790344	21	—	—
84776 2002 XP_{56}	14.7	X	155.00805	97.56062	316.78029	13.15523	0.1843430	0.23467070	2.6031357	21	4 5.4	19.2
84777 2002 XY_{56}	15.8	X	144.62895	113.80164	251.17279	5.99154	0.1311334	0.27706126	2.3303376	21	1 16.2	18.8
84778 2002 XP_{59}	15.4	X	66.02007	29.47132	283.99199	4.43492	0.1500514	0.25863447	2.4397488	21	12 7.2	18.8
84779 2002 XQ_{59}	15.1	X	358.11465	34.89189	96.56157	10.75044	0.0595268	0.21657774	2.7461663	21	—	—
84780 2002 XN_{60}	15.8	X	202.59714	350.61245	259.98273	3.76072	0.0513437	0.26788099	2.3832784	21	—	—
84781 2002 XA_{71}	15.3	X	210.33816	337.34666	44.55751	2.39928	0.2053534	0.23688341	2.5868999	21	4 20.7	19.6
84782 2002 XE_{73}	15.6	X	156.07303	295.61476	1.38100	3.76089	0.1472071	0.26985344	2.3716508	21	—	—
84783 2002 XF_{74}	15.5	X	245.43097	265.38173	48.62051	7.19138	0.1540614	0.28538280	2.2848140	21	2 27.3	19.0
84784 2002 XH_{74}	14.8	X	39.79727	282.46012	56.67611	11.20054	0.1802243	0.20659557	2.8339274	21	12 2.2	18.4
84785 2002 XZ_{74}	15.5	X	121.33674	22.12405	307.67905	5.79293	0.1470039	0.26920614	2.3754510	21	—	—
84786 2002 XF_{77}	16.0	X	231.34078	202.34983	60.24432	7.85707	0.0777896	0.27355656	2.3501989	21	—	—
84787 2002 XZ_{78}	13.7	X	29.83597	89.35592	86.95920	22.74838	0.0206800	0.17497192	3.1658511	21	4 12.7	18.5
84788 2002 XH_{79}	14.8	X	75.78252	75.81615	47.84517	5.89728	0.1420227	0.17353492	3.1833041	21	4 11.3	19.0
84789 2002 XF_{83}	15.2	X	218.78051	252.93331	141.95854	7.15534	0.2670716	0.24085132	2.5584093	21	5 13.4	19.8
84790 2002 XS_{83}	14.7	X	277.68695	353.38516	111.82278	16.36932	0.0919525	0.20545833	2.8443751	21	11 7.4	18.7
84791 2002 XP_{86}	15.1	X	94.65428	353.94026	72.93333	14.90434	0.0556906	0.22319032	2.6916534	21	2 6.4	18.9
84792 2002 XX_{86}	15.5	X	257.13482	350.56406	340.08756	5.17235	0.1684003	0.28896229	2.2659063	21	3 25.8	19.0
84793 2002 XZ_{86}	16.1	X	286.82980	300.22182	35.03642	6.59050	0.1223935	0.29321779	2.2439293	21	5 12.7	18.8
84794 2002 XY_{87}	14.4	X	224.63247	302.64749	27.45738	13.38940	0.1890231	0.23296867	2.6157990	21	3 7.3	18.9
84795 2002 XO_{89}	14.6	X	322.17509	295.40676	284.73840	13.72460	0.0441510	0.16999323	3.2273665	21	2 18.5	19.3
84796 2002 XZ_{89}	15.2	X	13.63060	10.38733	113.53910	10.98992	0.0790070	0.22051097	2.7134131	21	—	—
84797 2002 XL_{90}	15.0	X	343.44715	292.10106	171.34765	11.51937	0.2702511	0.21249336	2.7812443	21	—	—
84798 2002 XJ_{92}	15.3	X	229.69370	175.35656	88.85801	15.75527	0.2032688	0.27090946	2.3654835	21	—	—
84799 2002 XX_{100}	15.9	X	314.90841	196.31889	81.83382	5.88111	0.1357252	0.28977811	2.2616514	21	4 2.9	18.5
84800 2002 XP_{101}	15.1	X	68.14553	66.64458	64.76408	2.69358	0.1080269	0.17611045	3.1521918	21	4 4.8	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84801 2002 XR_{103}	14.2	X	209.85129	3.37958	76.39516	12.38092	0.0561251	0.18975394	2.9992236	21	7 10.0	18.7
84802 2002 YC_{1}	15.1	X	127.62305	296.07528	65.50940	9.84572	0.2156885	0.27159185	2.3615196	21	1 5.8	18.1
84803 2002 YB_{6}	15.2	X	58.92664	205.78769	265.57800	4.44731	0.1507730	0.17131253	3.2107757	21	2 27.5	19.1
84804 2002 YJ_{8}	15.7	X	122.23581	146.63942	244.20794	2.88704	0.1123701	0.22420737	2.6835073	21	1 30.2	19.3
84805 2002 YS_{8}	14.3	X	97.28899	72.67014	98.80694	11.50264	0.0908077	0.18386510	3.0629260	21	6 29.8	18.6
84806 2002 YF_{12}	15.1	X	181.73401	312.62082	91.59377	1.83622	0.1702561	0.18268848	3.0760633	21	4 27.3	20.1
84807 2002 YK_{12}	14.5	X	39.06978	52.82592	90.65827	2.33582	0.1376576	0.17361686	3.1823024	21	3 9.9	18.2
84808 2002 YZ_{15}	15.0	X	206.11728	326.22132	73.61112	10.89693	0.0823567	0.18620712	3.0371893	21	5 16.4	19.6
84809 2002 YE_{16}	16.1	X	47.21386	310.78382	57.71295	4.39978	0.0899760	0.26413540	2.4057563	21	—	—
84810 2002 YV_{16}	15.4	X	61.73816	89.37068	37.63370	1.46352	0.2066433	0.17336642	3.1853663	21	4 2.9	19.2
84811 2002 YW_{16}	15.3	X	325.49601	25.30137	69.44874	5.13639	0.0702593	0.20977856	2.8051881	21	12 29.9	18.8
84812 2002 YL_{17}	15.2	X	227.47123	344.23028	127.38106	2.97982	0.0776813	0.19624082	2.9327597	21	9 7.9	19.4
84813 2002 YO_{17}	15.8	X	47.84633	299.66558	89.01871	1.77253	0.0801444	0.21281283	2.7784602	21	—	—
84814 2002 YU_{17}	15.8	X	212.47776	56.53059	266.57454	6.02622	0.1143604	0.28096193	2.3087189	21	2 2.2	19.3
84815 2002 YQ_{18}	16.2	X	303.71806	322.79347	1.64821	1.27557	0.0729638	0.29382556	2.2408339	21	5 31.4	18.6
84816 2002 YS_{18}	14.7	X	310.77476	48.34052	92.49280	12.82373	0.0584153	0.21281954	2.7784018	21	—	—
84817 2002 YN_{19}	14.9	X	215.11711	70.64751	276.86615	2.95517	0.2128540	0.23312203	2.6146517	21	3 12.5	19.4
84818 2002 YA_{20}	15.2	X	197.62927	286.31872	90.49756	3.45206	0.1790313	0.23395776	2.6084213	21	4 5.6	19.6
84819 2002 YC_{21}	15.4	X	120.03241	274.36699	146.95267	2.27121	0.1687065	0.17540663	3.1606182	21	3 22.0	20.1
84820 2002 YO_{21}	15.8	X	56.69449	311.58881	141.50280	2.39091	0.0479733	0.22196977	2.7015116	21	1 13.4	19.2
84821 2002 YR_{21}	15.7	X	327.53335	243.00724	127.35331	2.47416	0.0884295	0.25094980	2.4893052	21	9 17.7	18.3
84822 2002 YW_{21}	15.6	X	128.92721	266.00636	91.17234	7.48937	0.1364811	0.27304612	2.3531270	21	—	—
84823 2002 YA_{22}	14.3	X	67.26645	40.56415	88.80603	7.45002	0.1246335	0.17348623	3.1838997	21	4 6.4	18.5
84824 2002 YK_{24}	16.0	X	224.91337	134.81759	258.90357	1.00812	0.1684630	0.23904648	2.5712708	21	5 19.4	20.0
84825 2002 YE_{26}	15.9	X	166.70284	229.03859	103.68805	1.79930	0.2246384	0.27471148	2.3436073	21	1 11.3	19.4
84826 2002 YU_{34}	15.6	X	120.74607	30.51641	118.25822	4.25977	0.0616432	0.23957912	2.5674583	21	6 24.7	19.2
84827 2003 AC	14.5	X	32.07258	296.65589	137.46461	23.22650	0.1237722	0.21231410	2.7828096	21	—	—
84828 2003 AL	14.9	X	21.56139	231.73448	223.36399	11.56954	0.1058307	0.21627050	2.7487666	21	—	—
84829 2003 AN	14.6	X	133.82021	332.19397	146.17178	18.19835	0.1682919	0.18015902	3.1047886	21	6 14.5	19.8
84830 2003 AP_{4}	15.4	X	154.20418	20.40607	348.02927	12.89868	0.1879551	0.23043724	2.6349211	21	2 17.9	19.5
84831 2003 AB_{5}	15.0	X	229.86360	293.00112	119.54144	10.88015	0.1066655	0.18960445	3.0007999	21	6 23.9	19.7
84832 2003 AD_{8}	13.8	X	76.28191	34.51258	18.19771	13.12376	0.2537127	0.22037571	2.7145232	21	1 18.9	16.8
84833 2003 AF_{9}	14.5	X	47.88925	49.28703	301.73599	22.58773	0.2563471	0.26074265	2.4265803	21	—	—
84834 2003 AZ_{9}	15.1	X	41.22440	238.41393	168.15225	9.13949	0.1608792	0.21461809	2.7628576	21	—	—
84835 2003 AA_{10}	13.6	X	3.78445	63.87924	119.63423	23.43180	0.1569239	0.17087634	3.2162374	21	3 4.5	17.6
84836 2003 AF_{10}	14.6	X	208.77645	330.93200	126.54244	12.06236	0.0637010	0.19166546	2.9792490	21	7 30.7	19.0
84837 2003 AT_{10}	14.5	X	89.22620	219.29596	144.66578	8.60457	0.2419805	0.21646443	2.7471246	21	—	—
84838 2003 AU_{10}	14.8	X	49.59121	292.11351	134.40997	12.39965	0.1603960	0.21717971	2.7410895	21	—	—
84839 2003 AG_{12}	15.1	X	324.04345	72.40122	147.00724	11.02519	0.1534442	0.22342637	2.6897573	21	1 30.7	18.6
84840 2003 AT_{12}	15.8	X	101.85675	216.74507	177.90512	6.59035	0.1210874	0.27314583	2.3525544	21	—	—
84841 2003 AL_{14}	14.7	X	255.54285	305.60420	97.25654	14.01440	0.1711341	0.19702647	2.9249582	21	7 2.1	19.1
84842 2003 AS_{17}	14.5	X	114.69844	37.76004	92.80153	17.82445	0.0756364	0.17726632	3.1384742	21	5 30.7	19.1
84843 2003 AO_{20}	14.4	X	202.49232	215.29789	128.56482	23.58089	0.0687925	0.17024717	3.2241565	21	3 10.6	19.5
84844 2003 AL_{22}	15.2	X	239.76662	338.16616	272.87694	8.14674	0.0997123	0.21432603	2.7653670	21	—	—
84845 2003 AV_{22}	14.6	X	304.76999	163.92774	144.18760	15.21255	0.0873636	0.23097080	2.6308615	21	5 16.6	18.3
84846 2003 AN_{23}	15.3	X	69.82755	21.78724	93.15971	15.18583	0.0835138	0.22698311	2.6615851	21	3 12.3	18.9
84847 2003 AW_{28}	14.9	X	183.79604	297.56676	120.32843	12.93209	0.1040916	0.17982824	3.1085949	21	5 18.4	19.9
84848 2003 AP_{31}	15.5	X	13.16376	282.75523	58.78579	6.79607	0.1514899	0.25379197	2.4706855	21	11 2.4	17.9
84849 2003 AP_{34}	14.9	X	26.36536	81.45892	115.82956	13.87068	0.1377575	0.23071478	2.6328075	21	4 26.4	18.0
84850 2003 AR_{35}	15.3	X	126.25980	249.54667	111.56993	7.14567	0.1384907	0.27307548	2.3529584	21	—	—
84851 2003 AE_{36}	14.8	X	338.70562	126.99101	107.03986	23.09835	0.2105418	0.28197754	2.3031720	21	2 26.7	17.7
84852 2003 AN_{38}	14.7	X	75.48889	73.56644	144.42770	9.79912	0.0790273	0.18411347	3.0601709	21	7 29.8	18.9
84853 2003 AE_{39}	14.2	X	109.65104	343.80708	125.56262	17.42577	0.2220446	0.17631893	3.1497065	21	5 19.6	19.3
84854 2003 AX_{44}	15.8	X	132.74206	307.42595	22.88084	2.77691	0.2107086	0.26948184	2.3738306	21	—	—
84855 2003 AR_{45}	15.5	X	320.66926	323.67504	75.55388	5.68252	0.0424003	0.25155210	2.4853301	21	10 21.4	18.5
84856 2003 AY_{47}	13.9	X	53.43478	187.42794	306.07275	16.90814	0.0797687	0.17103972	3.2141889	21	3 5.9	18.4
84857 2003 AH_{49}	14.9	X	265.12765	149.18686	97.37489	18.10059	0.2183887	0.21651208	2.7467215	21	—	—
84858 2003 AC_{52}	14.8	X	322.34903	246.24288	103.12227	11.24968	0.0260192	0.18896697	3.0075449	21	8 11.6	18.9
84859 2003 AY_{64}	15.6	X	247.61552	343.05157	26.88373	9.94032	0.1662266	0.29172916	2.2515564	21	5 6.7	18.8
84860 2003 AJ_{65}	14.8	X	31.27119	43.50296	60.29122	13.48756	0.1234529	0.21708847	2.7418575	21	—	—
84861 2003 AG_{72}	14.8	X	98.41463	22.83558	49.00730	16.07486	0.0996190	0.22332447	2.6905754	21	3 1.0	18.7
84862 2003 AU_{73}	15.6	X	346.39542	282.97531	32.14449	8.07980	0.1765045	0.29802892	2.2197145	21	8 2.3	17.2
84863 2003 AF_{76}	14.1	X	202.07071	351.34621	342.93121	18.58925	0.1228549	0.17083995	3.2166941	21	2 24.3	19.3
84864 2003 AM_{84}	15.1	X	272.09400	199.31186	196.88305	12.11846	0.1283679	0.24588640	2.5233629	21	7 17.3	18.7
84865 2003 BM_{7}	14.9	X	278.63473	225.25218	117.57257	15.76596	0.1248344	0.24246424	2.5470507	21	5 21.7	18.6
84866 2003 BR_{8}	14.6	X	85.85668	79.79360	140.34417	9.75139	0.1664207	0.18437524	3.0572737	21	8 28.4	19.0
84867 2003 BX_{13}	14.8	X	158.41597	25.86614	159.56622	11.79129	0.0666861	0.19128930	2.9831535	21	9 24.7	19.2
84868 2003 BX_{17}	15.0	X	3.04897	152.02535	142.00213	6.22853	0.2102510	0.23605323	2.5929616	21	7 31.6	17.1
84869 2003 BD_{22}	14.7	X	101.78482	292.47750	198.68778	19.29724	0.1769758	0.18218982	3.0816737	21	5 27.6	19.5
84870 2003 BB_{24}	14.5	X	19.47516	81.77517	173.98114	16.13258	0.1530340	0.17929115	3.1147999	21	7 3.3	18.5
84871 2003 BV_{28}	15.4	X	209.75488	237.07631	176.71253	14.75695	0.2590264	0.24114583	2.5563258	21	5 29.8	20.1
84872 2003 BM_{36}	14.4	X	328.94324	325.47710	309.45762	10.49414	0.0289478	0.17704644	3.1410722	21	5 9.6	18.9
84873 2003 BW_{55}	14.1	X	254.29930	64.27887	160.31244	10.62231	0.0586084	0.15592393	3.4186990	21	—	—
84874 2003 BO_{64}	14.5	X	239.26900	351.87376	347.55505	14.80283	0.0855266	0.17441170	3.1726267	21	4 2.2	19.4
84875 2003 BW_{68}	14.2	X	318.39895	139.47034	138.15905	7.99848	0.0927235	0.17104234	3.2141561	21	4 28.3	18.6
84876 2003 BN_{71}	13.9	X	117.87132	235.71895	147.59615	16.21322	0.2943362	0.17420155	3.1751777	21	2 17.2	18.7
84877 2003 BT_{79}	15.2	X	136.00659	339.76652	23.04504	5.92889	0.2433921	0.27238372	2.3569405	21	1 22.5	18.5
84878 2003 BV_{88}	15.0	X	173.51922	322.54142	93.57861	14.98098	0.1711105	0.23937850	2.5688927	21	5 6.3	19.4
84879 2003 BX_{88}	14.8	X	116.87347	36.75418	194.51936	12.78343	0.1090787	0.19167649	2.9791348	21	10 7.7	19.3
84880 2003 CF_{6}	15.0	X	324.62009	190.35149	123.22923	14.07028	0.1574510	0.23473238	2.6026796	21	6 11.6	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84881 2003 CF_{11}	14.5	X	63.26155	345.35209	153.14733	19.72369	0.1040882	0.17172748	3.2056014	21	4 10.6	18.9
84882 Table Mountain	14.6	X	195.27542	349.83863	20.46785	13.86087	0.2939769	0.23049465	2.6344835	21	3 28.7	19.4
84883 2003 DC_{22}	13.9	X	307.37931	133.36980	147.11575	21.23869	0.0570059	0.16870795	3.2437374	21	4 25.4	18.7
84884 Dorismcmillan	14.2	X	280.32927	129.08756	190.79870	13.27577	0.0835918	0.16969139	3.2311926	21	5 1.7	18.8
84885 2003 FT_{32}	16.3	X	227.50813	159.16274	119.44702	2.09872	0.1882608	0.26044864	2.4284061	21	—	—
84886 2003 FE_{102}	15.7	X	50.57503	174.27857	83.16652	7.98719	0.0700841	0.23142665	2.6274057	21	8 22.1	19.1
84887 2003 HL_{7}	15.6	X	201.48011	118.05579	182.26790	1.83387	0.0692585	0.20429370	2.8551750	21	1 7.4	19.8
84888 2003 MA_{9}	14.9	X	79.95144	130.92646	195.58415	9.16521	0.1006722	0.18054542	3.1003571	21	12 18.9	19.6
84889 2003 NQ_{8}	14.3	X	82.17461	259.81916	110.27426	10.73648	0.3033232	0.18252004	3.0779556	21	—	—
84890 2003 NP_{9}	15.0	X	212.08125	178.36324	237.59939	21.11595	0.0218546	0.37078623	1.9189058	21	6 7.1	16.9
84891 2003 OH_{14}	14.7	X	197.25136	122.13065	271.47191	21.57070	0.3093449	0.25689916	2.4507232	21	4 16.2	19.6
84892 2003 QD_{79}	14.0	X	37.14750	60.05598	11.57771	13.38781	0.2886700	0.17341233	3.1848042	21	—	—
84893 2003 SM_{98}	14.7	X	300.81619	280.90766	255.41272	6.87491	0.0935188	0.18293996	3.0732437	21	—	—
84894 2003 SJ_{182}	14.6	X	263.23219	180.98458	187.73820	15.18487	0.1702298	0.20362403	2.8614316	21	5 29.5	19.1
84895 2003 SD_{252}	14.7	X	51.05277	9.10780	26.52863	4.58685	0.1987738	0.17336578	3.1853743	21	—	—
84896 2003 SM_{252}	15.0	X	137.49210	233.13079	225.67306	3.05455	0.1826720	0.19218474	2.9738800	21	5 23.5	19.8
84897 2003 SV_{296}	14.5	X	162.24804	25.54972	358.38270	9.95458	0.2211364	0.24040199	2.5615963	21	3 15.0	18.7
84898 2003 SW_{296}	13.8	X	113.43863	326.08814	68.17721	28.42020	0.1450875	0.17743864	3.1364419	21	2 16.8	18.9
84899 2003 SQ_{299}	14.8	X	40.48933	164.54862	299.62097	13.41104	0.0708252	0.23736001	2.5834359	21	1 1.8	17.9
84900 2003 SH_{306}	14.6	X	71.32336	320.17277	349.25246	11.38154	0.1909542	0.22373619	2.6872736	21	12 5.1	18.8
84901 2003 TF_{13}	14.4	X	27.27191	168.40289	314.83607	22.03918	0.0986258	0.23890724	2.5722697	21	1 8.4	17.5
84902 Porrentruy	14.3	X	100.04692	321.26518	47.67278	1.29387	0.1663067	0.17810443	3.1286206	21	—	—
84903 2003 UM_{38}	14.1	X	262.87279	114.02484	254.14223	12.98014	0.1759128	0.20431446	2.8549816	21	5 25.9	18.5
84904 2003 UD_{57}	14.4	X	128.33865	296.84856	71.15481	10.08632	0.0846600	0.18029530	3.1032239	21	1 16.3	18.9
84905 2003 UD_{98}	14.0	X	278.54527	323.62892	93.17562	13.44635	0.0753445	0.15466738	3.4371902	21	9 3.1	19.0
84906 2003 UU_{132}	14.9	X	82.27657	58.46124	350.68425	6.38326	0.1482363	0.18018362	3.1045061	21	1 17.3	18.9
84907 2003 UQ_{138}	14.5	X	149.49999	306.45797	90.54798	12.50223	0.1455934	0.18881057	3.0092055	21	3 24.7	19.4
84908 2003 UR_{138}	14.0	X	117.28597	291.12409	67.77876	15.70596	0.2868524	0.23063478	2.6334163	21	1 9.0	17.7
84909 2003 US_{138}	15.1	X	83.10978	45.75868	58.74632	12.94471	0.1302474	0.23702622	2.5858606	21	3 23.1	18.4
84910 2003 UG_{190}	15.2	X	48.86673	152.38400	286.48952	11.67617	0.2613114	0.22926106	2.6439253	21	—	—
84911 2003 UH_{190}	14.2	X	130.77073	335.36715	89.69356	18.43986	0.1794892	0.18405175	3.0608549	21	4 15.7	19.3
84912 2003 UP_{222}	14.1	X	339.96516	107.35972	35.45290	12.08146	0.1908411	0.23067211	2.6331321	21	—	—
84913 2003 UG_{226}	14.4	X	92.93047	341.91041	68.16331	12.96289	0.2303219	0.17852491	3.1237061	21	2 18.2	18.8
84914 2003 UP_{235}	14.9	X	76.73282	76.29513	287.12118	3.76051	0.0985101	0.22117820	2.7079533	21	—	—
84915 2003 UT_{247}	14.4	X	30.47427	247.21712	279.08405	16.71760	0.1349539	0.17917952	3.1160934	21	3 12.4	18.5
84916 2003 UO_{251}	14.8	X	120.77963	185.60858	101.50616	10.26248	0.1314384	0.21410052	2.7673085	21	12 21.4	19.3
84917 2003 UX_{259}	16.0	X	359.72365	283.47570	111.35603	3.19923	0.2292960	0.27598663	2.3363829	21	—	—
84918 2003 UQ_{260}	14.4	X	311.34972	201.42048	284.58233	12.70907	0.1401844	0.21955871	2.7212531	21	—	—
84919 Karinthy	15.3	X	267.80716	46.68418	47.95275	13.15348	0.1284743	0.20875692	2.8143329	21	10 4.7	19.2
84920 2003 VM_{1}	15.0	X	340.91941	235.46721	261.32162	11.93503	0.1272351	0.22402040	2.6850003	21	—	—
84921 Morkolab	14.9	X	123.97689	14.66103	41.14231	12.14266	0.2704997	0.23989725	2.5651880	21	3 28.3	18.9
84922 2003 VS_{2}	4.2	X	27.12969	110.31399	302.60602	14.82516	0.0755501	0.00399316	39.3482177	21	12 17.8	19.9
84923 2003 VZ_{3}	15.3	X	39.56141	147.77578	324.81538	7.11597	0.1340295	0.23705254	2.5856693	21	1 11.3	17.9
84924 2003 VB_{6}	14.9	X	54.19443	230.13258	113.49534	13.88704	0.1732325	0.22357956	2.6885286	21	12 28.6	18.8
84925 2003 VL_{9}	16.3	X	355.41431	223.63726	199.82910	1.03516	0.1302264	0.27908596	2.3190533	21	—	—
84926 Marywalker	15.3	X	42.95654	119.98298	227.99192	7.49566	0.0942136	0.22106657	2.7088649	21	12 8.7	18.9
84927 2003 WT_{9}	14.6	X	284.67777	164.59227	264.86009	13.63129	0.1506666	0.21320541	2.7750485	21	9 8.5	18.5
84928 Oliversacks	15.4	X	147.22660	210.50330	247.30501	1.08272	0.0341053	0.19669160	2.9282771	21	5 19.4	19.5
84929 2003 WJ_{19}	14.8	X	59.92564	205.73571	277.45752	9.19707	0.0582138	0.18633958	3.0357498	21	2 28.7	19.0
84930 2003 WX_{21}	12.9	X	352.77035	216.49583	254.93368	23.69852	0.2734703	0.17423954	3.1747161	21	—	—
84931 2003 WG_{73}	14.1	X	91.03972	357.28832	33.39492	18.15530	0.1401180	0.17809386	3.1287444	21	1 6.3	18.6
84932 2003 WE_{77}	15.4	X	334.77864	38.89435	358.13573	7.59971	0.2920559	0.21289722	2.7777259	21	10 26.7	17.3
84933 2003 WM_{77}	14.5	X	134.10597	22.77004	67.35131	14.38376	0.1224838	0.24119050	2.5560102	21	5 3.9	18.3
84934 2003 WH_{83}	14.6	X	151.76682	116.17625	300.86881	11.12207	0.2584332	0.19182641	2.9775823	21	4 15.3	20.0
84935 2003 WT_{87}	16.2	X	283.77135	269.46573	171.36181	2.01649	0.1910961	0.26921285	2.3754115	21	10 2.4	18.7
84936 2003 WJ_{121}	15.4	X	315.14648	171.31668	274.90655	8.64206	0.1501149	0.21798749	2.7343136	21	12 1.5	18.4
84937 2003 WX_{123}	16.5	X	161.77620	4.97782	344.96284	2.57845	0.1691071	0.29463925	2.2367064	21	1 19.5	19.5
84938 2003 WQ_{127}	14.9	X	359.45874	332.03364	55.64626	9.71579	0.1339972	0.21684301	2.7439263	21	11 30.4	18.1
84939 2003 WO_{130}	15.3	X	57.46398	3.55345	45.75110	4.30696	0.1215747	0.22969930	2.6405614	21	—	—
84940 2003 WL_{138}	14.6	X	162.40010	349.41048	71.65313	9.15693	0.1337961	0.19184427	2.9773976	21	4 30.0	19.3
84941 2003 WE_{142}	15.1	X	267.93022	216.14753	270.23329	6.75670	0.1715437	0.21303320	2.7765438	21	11 1.4	18.9
84942 2003 WJ_{142}	15.8	X	92.23773	92.19301	271.65163	3.24818	0.2409230	0.28599822	2.2815351	21	—	—
84943 Timothylinn	14.5	X	203.13729	353.68241	139.72584	26.02758	0.2165240	0.25751664	2.4468040	21	9 3.7	18.6
84944 2003 WL_{153}	14.9	X	99.41143	294.33170	157.48412	16.96725	0.2898285	0.18553032	3.0445711	21	4 24.0	19.7
84945 Solosky	15.0	X	131.15580	343.30948	31.52203	9.96588	0.1282099	0.23443709	2.6048647	21	1 25.3	18.8
84946 2003 WS_{161}	13.5	X	182.27121	232.10622	83.96627	24.10719	0.1681737	0.18281809	3.0746093	21	1 15.2	18.7
84947 2003 WX_{169}	14.8	X	223.39326	300.40443	83.37314	13.29631	0.2037070	0.24739201	2.5131144	21	5 7.4	19.1
84948 2003 WN_{170}	15.0	X	44.91599	111.58045	88.39392	14.85716	0.2357674	0.24062809	2.5599914	21	6 12.5	17.4
84949 2003 WE_{171}	14.2	X	154.56960	26.98210	38.70736	13.43478	0.1479331	0.24142334	2.5543665	21	4 23.8	18.1
84950 2003 XJ_{3}	14.7	X	323.70233	257.96026	99.63679	9.96426	0.2224771	0.21044914	2.7992259	21	8 5.1	17.5
84951 Kenwilson	14.4	X	249.54906	188.88857	75.87748	15.64701	0.0589538	0.23127666	2.6285416	21	1 11.6	18.3
84952 2003 XD_{5}	15.6	X	330.74396	164.94639	269.86269	1.31790	0.1908884	0.21514866	2.7583135	21	12 15.8	18.1
84953 2003 XE_{5}	15.0	X	159.98479	292.48014	110.54132	14.00079	0.1566132	0.24023839	2.5627591	21	4 7.5	19.3
84954 2003 XY_{7}	14.5	X	94.16552	353.80268	7.36715	12.79377	0.2524366	0.22829833	2.6513531	21	—	—
84955 2003 XB_{9}	15.2	X	324.60264	31.66873	350.47677	12.45174	0.1369114	0.21233118	2.7826604	21	9 19.0	18.2
84956 2003 XL_{11}	15.0	X	98.19160	239.80603	160.56030	8.96603	0.2347019	0.23601680	2.5932284	21	1 26.3	18.0
84957 2003 XN_{13}	14.9	X	207.51687	202.26766	190.47973	6.63140	0.2244482	0.19716600	2.9235781	21	5 4.2	20.0
84958 2003 XS_{13}	15.3	X	31.87521	260.71640	105.30790	3.83486	0.1039038	0.22058365	2.7128170	21	12 18.2	18.8
84959 2003 XF_{18}	14.4	X	274.42587	151.22367	72.40272	12.80965	0.1424181	0.22802530	2.6534690	21	—	—
84960 2003 XS_{21}	15.6	X	233.77214	110.57590	349.10355	3.58596	0.0603919	0.26097433	2.4251440	21	9 6.5	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
84961 2003 XU_{21}	15.4	X	326.68910	249.63083	218.36065	8.49413	0.2255610	0.22236503	2.6983093	21	—	—
84962 2003 YM_{9}	14.0	X	17.38751	247.38930	285.90962	21.90256	0.1724994	0.17943809	3.1130992	21	2 23.6	18.0
84963 2003 YN_{13}	14.8	X	234.43973	221.57737	94.96815	13.23677	0.1306273	0.23830889	2.5765736	21	2 28.2	19.0
84964 2003 YF_{14}	15.0	X	3.76113	96.34636	50.87163	11.14374	0.1001858	0.23155296	2.6264501	21	—	—
84965 2003 YV_{16}	14.6	X	21.81923	33.14270	346.47234	7.43502	0.1001218	0.21463898	2.7626783	21	12 19.8	18.3
84966 2003 YW_{16}	13.9	X	350.25320	119.59458	97.23577	17.83165	0.1867724	0.17822714	3.1271844	21	3 24.2	17.9
84967 2003 YX_{16}	14.8	X	23.08987	316.77424	80.30385	11.32189	0.1023728	0.21620791	2.7492971	21	—	—
84968 2003 YW_{17}	16.4	X	326.25476	151.08508	318.57472	2.97404	0.0359153	0.27603261	2.3361235	21	—	—
84969 2003 YB_{18}	14.5	X	349.82552	45.86938	123.47409	5.43485	0.1068349	0.17442048	3.1725203	21	1 22.2	18.6
84970 2003 YA_{23}	15.7	X	168.28942	58.65586	126.23701	6.99985	0.0530591	0.26187405	2.4195861	21	10 14.3	19.1
84971 2003 YZ_{23}	15.6	X	243.90805	134.76164	341.68637	9.05646	0.1567273	0.26563471	2.3966954	21	9 26.5	18.8
84972 2003 YM_{28}	13.8	X	300.92392	133.40686	112.17129	27.93435	0.1316875	0.17707510	3.1407332	21	2 18.8	18.5
84973 2003 YO_{28}	14.8	X	308.95338	101.99318	67.20203	2.23008	0.1323041	0.17258145	3.1950180	21	—	—
84974 2003 YB_{39}	16.1	X	227.70787	270.32619	316.53959	4.27504	0.0756848	0.27677967	2.3319179	21	—	—
84975 2003 YG_{43}	16.0	X	27.85380	340.65766	111.68125	7.16828	0.0975768	0.28377665	2.2934271	21	—	—
84976 2003 YM_{43}	14.6	X	25.59217	18.14030	128.03673	5.86164	0.1277360	0.17669806	3.1451995	21	2 17.2	18.2
84977 2003 YN_{53}	15.3	X	261.57025	312.21823	86.58899	3.20917	0.0768206	0.20452305	2.8530401	21	7 17.1	19.1
84978 2003 YY_{53}	15.5	X	18.75115	295.38648	72.93679	5.48448	0.1040496	0.21889789	2.7267270	21	12 2.5	18.6
84979 2003 YU_{64}	16.2	X	181.00524	213.60036	211.30887	2.75154	0.0926756	0.30444198	2.1884318	21	5 13.5	19.1
84980 2003 YZ_{64}	14.5	X	333.72170	46.10106	125.51484	5.78639	0.0856013	0.17204172	3.2016968	21	1 5.9	18.9
84981 2003 YB_{65}	14.6	X	91.15236	349.22489	119.08599	17.64045	0.0328116	0.18179676	3.0861140	21	4 1.9	19.2
84982 2003 YM_{65}	15.3	X	49.70683	266.25436	114.42203	15.57592	0.1778230	0.22072064	2.7116944	21	—	—
84983 2003 YO_{65}	16.2	X	280.77919	5.76100	129.98121	3.86590	0.1140267	0.27227841	2.3575482	21	12 28.8	18.6
84984 2003 YL_{66}	15.7	X	183.84987	312.07422	244.89435	5.23732	0.0605055	0.26505763	2.4001728	21	11 13.9	18.8
84985 2003 YU_{66}	14.7	X	23.18094	282.63533	129.09131	16.34938	0.2779482	0.21928734	2.7234977	21	—	—
84986 2003 YC_{83}	15.3	X	293.20770	255.78167	85.83737	9.27720	0.0221250	0.25197731	2.4825334	21	6 19.9	18.3
84987 2003 YK_{83}	14.9	X	77.99324	154.24291	252.35461	14.49085	0.1461406	0.23223815	2.6212816	21	—	—
84988 2003 YY_{88}	14.4	X	79.79802	56.33509	97.65349	16.32229	0.1277560	0.18351853	3.0667810	21	5 25.0	18.7
84989 2003 YD_{89}	16.0	X	353.33723	22.86855	107.77381	7.44695	0.0501763	0.28220202	2.3019505	21	—	—
84990 2003 YC_{90}	15.7	X	67.37596	326.68381	96.39112	3.30814	0.0866650	0.22909472	2.6452050	21	—	—
84991 Bettyphilpotts	15.3	X	313.94208	274.49192	269.63130	9.47608	0.1116659	0.22595993	2.6696137	21	—	—
84992 2003 YM_{100}	14.8	X	97.10859	87.52878	95.54936	11.20456	0.0417243	0.19314474	2.9640177	21	7 7.6	18.8
84993 2003 YL_{102}	15.9	X	45.76235	181.13192	120.95235	8.18730	0.0378379	0.26288385	2.4133859	21	10 15.6	19.0
84994 Amysimon	14.8	X	35.66484	228.97412	131.48453	13.09924	0.1505614	0.21432554	2.7653711	21	12 22.5	18.6
84995 Zselic	14.7	X	166.07273	303.25892	91.87864	12.09236	0.1087824	0.18535701	3.0464685	21	4 5.2	19.6
84996 Hortobágy	15.0	X	8.57186	163.82701	86.67097	9.03185	0.0954548	0.19107041	2.9854313	21	6 5.1	18.5
84997 2003 YP_{118}	14.9	X	336.26580	170.35577	310.36699	16.43469	0.2065264	0.22322999	2.6913345	21	—	—
84998 2003 YD_{123}	14.8	X	160.35158	351.59050	107.74894	10.40044	0.0675719	0.19100836	2.9860779	21	6 9.6	19.3
84999 2003 YM_{123}	15.8	X	65.69475	244.24822	156.90715	3.08443	0.2465098	0.22750602	2.6575052	21	—	—
85000 2003 YA_{125}	15.0	X	91.21157	1.05321	42.11050	13.88820	0.1830511	0.23206253	2.6226039	21	1 15.9	18.3
85001 2003 YP_{128}	17.0	X	327.41505	38.52045	45.09307	6.67626	0.1838317	0.27338568	2.3511781	21	—	—
85002 2003 YT_{138}	16.4	X	268.75751	89.06788	16.80386	3.46756	0.2147066	0.26447166	2.4037167	21	10 8.9	19.1
85003 2003 YR_{142}	14.9	X	158.58503	221.88385	64.55102	15.85779	0.0602450	0.22198023	2.7014267	21	—	—
85004 Crombie	16.1	X	28.45319	61.16914	20.87546	13.02110	0.0510082	0.28014188	2.3132222	21	—	—
85005 2003 YF_{154}	15.5	X	45.40363	61.47407	44.63923	12.09565	0.1054155	0.23084659	2.6318052	21	1 15.5	18.7
85006 2003 YU_{154}	15.1	X	112.32731	23.34413	81.99773	15.50460	0.3108512	0.18404251	3.0609574	21	5 22.9	20.1
85007 2004 AK_{3}	14.9	X	330.84581	137.54852	94.56314	13.20165	0.1323524	0.23658083	2.5891051	21	3 5.4	18.3
85008 2004 BL_{3}	14.9	X	6.70315	176.53833	9.44539	1.11537	0.1016785	0.17808225	3.1288803	21	3 9.3	18.6
85009 2004 BL_{4}	15.7	X	136.18731	249.50223	108.12844	5.14840	0.1268747	0.22836674	2.6508235	21	1 7.6	19.2
85010 2004 BY_{9}	16.0	X	129.52531	291.22194	97.90135	4.64786	0.1933279	0.23361227	2.6109925	21	2 17.3	19.7
85011 2004 BA_{16}	15.4	X	296.33334	49.10118	100.40058	5.20756	0.0407827	0.21770992	2.7366372	21	—	—
85012 2004 BY_{27}	16.8	X	133.68363	347.58664	112.26126	6.43661	0.0812730	0.29934284	2.2132143	21	5 6.2	19.6
85013 2004 BO_{36}	15.4	X	210.66546	312.40689	62.77109	1.80273	0.0381027	0.18565347	3.0432245	21	4 21.3	19.8
85014 Sutter	15.1	X	296.88492	172.94804	328.41940	12.89884	0.1120547	0.21613753	2.7498938	21	—	—
85015 Gaskell	16.2	X	268.95576	113.68087	18.91000	1.82919	0.1365654	0.26756937	2.3851285	21	11 29.5	18.8
85016 2004 BW_{42}	14.4	X	346.74899	264.08966	132.21530	15.30394	0.2659735	0.21017487	2.8016606	21	12 3.9	17.1
85017 2004 BH_{52}	14.9	X	23.55144	29.35770	137.68956	2.23147	0.1127580	0.17713639	3.1400087	21	3 12.3	18.6
85018 2004 BL_{54}	15.6	X	356.08418	105.83737	117.64551	5.64002	0.0385133	0.23950649	2.5679774	21	4 8.9	18.8
85019 2039 P–L	16.2	X	118.98194	189.60173	213.16429	4.83418	0.3026917	0.23346832	2.6120656	21	3 5.3	20.2
85020 2057 P–L	16.6	X	78.30984	45.14367	330.45401	4.71038	0.1632062	0.27943330	2.3171311	21	—	—
85021 2067 P–L	15.1	X	211.23456	294.94950	336.03261	3.30028	0.2199045	0.21707344	2.7419840	21	—	—
85022 2068 P–L	15.2	X	126.81323	39.40463	317.87763	4.15960	0.0904242	0.21595010	2.7514848	21	—	—
85023 2087 P–L	14.7	X	23.25705	141.36354	207.39982	11.47719	0.0738575	0.19500561	2.9451312	21	11 6.0	18.5
85024 2224 P–L	16.6	X	251.98460	110.05098	309.25226	1.68769	0.0850055	0.30509144	2.1853250	21	8 3.2	19.2
85025 2544 P–L	15.0	X	322.04650	352.71161	8.65535	11.68101	0.1203117	0.19258184	2.9697906	21	8 21.7	18.7
85026 2653 P–L	14.9	X	219.08865	336.05473	355.66167	4.65581	0.1248157	0.17096828	3.2150842	21	3 7.4	19.8
85027 2677 P–L	16.3	X	229.66549	53.38740	30.91197	4.27832	0.1005095	0.25627913	2.4546743	21	8 7.2	19.7
85028 2729 P–L	15.0	X	56.36572	53.19120	197.30626	4.27266	0.2099220	0.24099504	2.5573921	21	9 8.8	18.2
85029 2755 P–L	15.0	X	147.30533	342.63914	29.48850	5.45628	0.1430390	0.16984151	3.2292883	21	2 19.2	20.0
85030 Admetos	12.1	X	301.02723	226.11019	190.95163	22.73453	0.0853255	0.08237078	5.2314324	21	9 17.5	18.9
85031 2860 P–L	15.3	X	72.27160	56.61090	184.81365	13.17238	0.1174054	0.24104532	2.5570364	21	9 2.4	18.8
85032 3054 P–L	14.6	X	50.25390	139.02805	231.60938	8.40355	0.1711658	0.21325965	2.7745779	21	—	—
85033 3073 P–L	15.1	X	32.25664	73.18932	217.34249	12.71918	0.1487086	0.24171440	2.5523155	21	9 14.6	18.1
85034 3542 P–L	13.9	X	165.13011	121.73807	231.64457	13.35729	0.2251501	0.18505667	3.0497639	21	2 10.1	19.3
85035 4149 P–L	15.9	X	223.72774	189.30721	185.85341	3.99985	0.2121957	0.23764600	2.5813628	21	4 23.8	20.3
85036 4203 P–L	14.0	X	112.38423	299.47217	356.08829	17.58542	0.0333756	0.14811900	3.5377641	21	12 1.8	19.5
85037 4279 P–L	16.4	X	334.65506	183.22154	207.93623	5.68592	0.1387300	0.25914038	2.4365724	21	11 1.5	18.7
85038 4313 P–L	15.6	X	15.38006	74.41180	199.69184	10.42888	0.1627879	0.24037993	2.5617530	21	7 22.1	18.3
85039 4541 P–L	15.2	X	328.89217	67.96237	9.02242	8.31188	0.2238220	0.21159104	2.7891457	21	12 13.3	17.8
85040 4617 P–L	16.2	X	68.20942	30.69708	5.46994	6.05185	0.1971266	0.27970662	2.3156214	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85041 4653 *P–L*	13.7	*X*	265.85640	240.07322	1.30688	21.38407	0.0428094	0.16867269	3.2441895	21	1 21.8	18.8
85042 4779 *P–L*	15.8	*X*	7.45431	47.06429	4.92892	3.12594	0.0852625	0.21305718	2.7763354	21	—	—
85043 4817 *P–L*	15.7	*X*	350.15652	242.00460	182.13406	7.31164	0.0954166	0.26131732	2.4230214	21	—	—
85044 4829 *P–L*	15.4	*X*	225.00874	279.05255	6.32456	8.86316	0.1751553	0.21812269	2.7331837	21	1 12.3	20.1
85045 5015 *P–L*	15.1	*X*	191.30485	25.30083	14.23931	13.99552	0.1755122	0.23677495	2.5876898	21	4 23.1	19.5
85046 6126 *P–L*	16.0	*X*	106.01438	10.77436	3.24712	6.05905	0.1962468	0.28076204	2.3098146	21	—	—
85047 Krakatau	15.9	*X*	48.30870	146.60918	186.64043	22.40185	0.0688460	0.37410611	1.9075365	21	12 24.2	18.6
85048 6265 *P–L*	15.8	*X*	183.83168	248.23581	353.43180	6.47387	0.0785656	0.26281064	2.4138341	21	—	—
85049 6279 *P–L*	15.9	*X*	67.85186	66.53494	352.65442	7.35810	0.1003110	0.28085176	2.3093227	21	—	—
85050 6572 *P–L*	16.1	*X*	81.87672	30.00308	11.09245	7.49758	0.2739586	0.28033026	2.3121858	21	—	—
85051 6641 *P–L*	14.6	*X*	193.27608	2.58612	7.35525	12.75770	0.1896551	0.23608356	2.5927395	21	3 23.5	18.9
85052 6778 *P–L*	15.0	*X*	79.21825	194.19885	162.59116	10.34481	0.2208010	0.21418934	2.7665433	21	—	—
85053 6789 *P–L*	14.9	*X*	302.50287	287.98068	109.81776	3.34395	0.1645537	0.19286497	2.9668834	21	8 29.6	18.4
85054 6841 *P–L*	16.4	*X*	70.88578	64.55271	7.95561	3.95904	0.1222569	0.28150727	2.3057363	21	—	—
85055 6872 *P–L*	15.5	*X*	247.21677	233.58361	20.06061	1.62455	0.0975746	0.21767231	2.7369525	21	—	—
85056 9093 *P–L*	16.0	*X*	17.31377	353.90844	342.84620	2.12582	0.2000963	0.25949929	2.4343252	21	11 9.6	18.5
85057 9608 *P–L*	14.3	*X*	50.39682	84.46305	186.56833	6.12391	0.0440419	0.19276283	2.9679314	21	8 28.9	18.3
85058 1112 *T–1*	15.1	*X*	314.95168	264.61343	213.92490	6.21360	0.2598813	0.21147097	2.7902014	21	—	—
85059 1211 *T–1*	15.8	*X*	144.10379	19.48202	269.48453	1.70948	0.1597522	0.26734728	2.3864492	21	—	—
85060 2080 *T–1*	15.9	*X*	48.57555	9.33837	180.32198	11.04294	0.1992426	0.23867459	2.5739410	21	5 30.2	18.7
85061 2137 *T–1*	15.0	*X*	344.80616	56.03078	165.71731	3.33223	0.1468607	0.17657007	3.1467192	21	3 16.8	18.9
85062 2272 *T–1*	16.0	*X*	146.42491	167.01602	88.17635	3.09111	0.1825637	0.26591010	2.3950403	21	12 14.0	19.7
85063 3148 *T–1*	14.4	*X*	305.65141	265.85472	4.90644	23.60413	0.3509279	0.17448487	3.1717397	21	3 2.3	19.3
85064 3338 *T–1*	15.9	*X*	198.90820	187.99086	30.45115	2.75748	0.1735587	0.26715433	2.3875982	21	12 17.6	19.4
85065 4053 *T–1*	15.3	*X*	181.20069	107.65867	151.91778	2.30218	0.1122851	0.20953907	2.8073251	21	—	—
85066 4255 *T–1*	16.2	*X*	181.87155	49.33179	163.36150	3.23118	0.1599433	0.26612856	2.3937294	21	11 25.6	19.8
85067 4333 *T–1*	14.9	*X*	37.30057	92.49271	103.03577	2.64504	0.1184206	0.17842452	3.1248777	21	5 11.7	18.7
85068 1021 *T–2*	16.1	*X*	62.95625	167.64792	187.12781	2.58997	0.1618447	0.27158019	2.3615872	21	—	—
85069 1056 *T–2*	15.1	*X*	51.09930	19.80135	354.30173	3.79894	0.1132994	0.20984375	2.8046070	21	—	—
85070 1120 *T–2*	16.0	*X*	112.63504	121.47987	344.10472	4.90287	0.2576508	0.23729230	2.5839273	21	5 11.3	19.9
85071 1189 *T–2*	16.4	*X*	347.95491	47.33582	346.18442	5.19572	0.1678920	0.26876030	2.3780773	21	12 5.8	18.6
85072 1245 *T–2*	15.8	*X*	109.19336	108.86991	353.93565	6.35799	0.1014433	0.23818038	2.5775003	21	4 12.2	19.3
85073 1263 *T–2*	16.4	*X*	209.76269	208.30354	182.52838	2.95404	0.1772051	0.30207454	2.1998512	21	4 28.4	19.6
85074 1288 *T–2*	15.2	*X*	253.75024	131.63758	78.65270	1.72174	0.0145318	0.21212439	2.7844685	21	—	—
85075 1444 *T–2*	14.4	*X*	17.84215	76.25402	191.65181	15.84833	0.1019832	0.18167557	3.0874862	21	7 11.8	18.6
85076 1451 *T–2*	16.0	*X*	182.93090	227.06776	187.01318	15.37545	0.1344731	0.23982629	2.5656940	21	5 8.1	20.1
85077 1454 *T–2*	16.2	*X*	146.58795	302.21810	352.10888	6.86662	0.1316180	0.27337740	2.3512256	21	—	—
85078 1509 *T–2*	16.5	*X*	335.83021	5.08432	338.77633	5.16361	0.1351118	0.30721690	2.1752340	21	8 26.9	17.8
85079 2047 *T–2*	15.3	*X*	223.85097	350.72774	348.08681	4.51454	0.1776662	0.23863061	2.5742573	21	3 10.9	19.4
85080 2070 *T–2*	13.9	*X*	335.16846	215.28228	1.67626	19.49188	0.0804076	0.17580767	3.1558099	21	3 8.2	18.1
85081 2153 *T–2*	14.6	*X*	207.12313	347.49817	357.75350	4.58519	0.1391106	0.17618919	3.1512525	21	3 11.3	19.6
85082 2158 *T–2*	16.6	*X*	221.19241	117.07490	172.19473	2.81167	0.1594285	0.27737174	2.3285983	21	1 2.4	20.3
85083 2305 *T–2*	16.2	*X*	205.21009	145.55102	175.38724	1.78170	0.2398356	0.27829077	2.3234688	21	1 28.8	20.1
85084 2309 *T–2*	14.1	*X*	91.66416	333.00002	15.55576	13.73210	0.1544274	0.21074798	2.7965791	21	—	—
85085 3014 *T–2*	15.0	*X*	189.97935	8.26033	6.42581	17.56138	0.1146671	0.17721868	3.1390367	21	3 29.1	19.9
85086 3059 *T–2*	14.4	*X*	114.19843	32.70752	15.18547	6.86551	0.1464074	0.17452464	3.1712578	21	2 26.8	19.0
85087 3090 *T–2*	16.5	*X*	344.75814	6.16632	40.97404	1.83035	0.1839602	0.26917091	2.3756582	21	12 23.2	18.3
85088 3202 *T–2*	14.7	*X*	166.87301	224.31277	90.54655	4.10463	0.0760924	0.21347573	2.7727053	21	—	—
85089 3304 *T–2*	15.2	*X*	138.46991	336.79606	52.92167	2.98942	0.1123755	0.19483897	2.9468102	21	2 23.6	19.6
85090 4028 *T–2*	15.8	*X*	354.93638	52.64477	77.90897	3.36085	0.1232062	0.27454970	2.3445279	21	—	—
85091 4112 *T–2*	14.8	*X*	153.43945	244.81840	149.33046	5.73037	0.1403544	0.17595629	3.1540327	21	3 20.8	19.7
85092 4253 *T–2*	15.9	*X*	90.83095	189.86791	151.91227	6.02211	0.2265749	0.27257846	2.3558178	21	—	—
85093 5071 *T–2*	15.7	*X*	17.99478	75.94877	312.70693	6.39649	0.1330420	0.27031495	2.3689506	21	—	—
85094 5119 *T–2*	15.6	*X*	197.90405	355.34473	313.53985	6.69229	0.1325094	0.27688504	2.3313262	21	1 4.6	19.1
85095 Hekla	16.6	*X*	230.41870	112.88784	349.35479	18.96948	0.0812826	0.36866001	1.9262768	21	9 12.2	18.5
85096 1044 *T–3*	16.0	*X*	33.25397	144.21595	242.17606	7.06130	0.1199084	0.27299007	2.3534491	21	—	—
85097 1082 *T–3*	15.8	*X*	84.72175	133.72264	289.43780	6.49750	0.1875229	0.23264570	2.6182193	21	1 29.3	18.6
85098 1208 *T–3*	14.5	*X*	188.04285	203.24193	340.47105	11.74267	0.0407702	0.20216426	2.8751894	21	10 20.7	18.9
85099 1213 *T–3*	16.1	*X*	86.66946	111.12367	293.74326	5.76376	0.0926258	0.27707975	2.3302340	21	—	—
85100 2189 *T–3*	15.2	*X*	193.61660	123.98988	246.54204	3.09069	0.1989058	0.23726478	2.5841271	21	3 22.4	19.6
85101 2192 *T–3*	16.4	*X*	30.09750	104.56853	269.16886	1.18573	0.2303133	0.27224363	2.3577490	21	—	—
85102 2211 *T–3*	15.6	*X*	31.81966	317.03102	280.92906	3.41618	0.0938013	0.24162189	2.5529670	21	6 24.8	18.5
85103 2412 *T–3*	15.1	*X*	276.11067	124.90978	220.76645	8.39140	0.1898296	0.21885395	2.7270920	21	5 9.8	19.0
85104 2415 *T–3*	15.9	*X*	138.50751	244.17936	214.86687	6.86435	0.0680192	0.23859765	2.5744943	21	5 11.8	19.4
85105 2433 *T–3*	15.4	*X*	353.24334	112.59648	210.64222	12.17651	0.1903679	0.24485610	2.5304364	21	8 19.6	17.9
85106 3038 *T–3*	15.7	*X*	328.75192	240.86030	46.59354	4.95561	0.2378041	0.24171572	2.5523063	21	4 25.3	18.4
85107 3144 *T–3*	15.9	*X*	298.17477	164.60530	195.30885	3.93763	0.1164674	0.24303033	2.5430939	21	7 8.2	18.9
85108 3475 *T–3*	15.1	*X*	335.30991	254.37144	182.29001	7.37860	0.0300287	0.20491540	2.8493972	21	12 18.9	19.0
85109 3892 *T–3*	14.6	*X*	157.46609	39.11727	189.71178	15.03586	0.0924777	0.20370133	2.8607076	21	11 17.0	19.1
85110 4043 *T–3*	16.2	*X*	63.74275	266.86537	151.95220	4.99071	0.0742980	0.27662152	2.3328066	21	—	—
85111 4051 *T–3*	14.6	*X*	334.96739	145.49250	178.41995	12.84906	0.0513565	0.24317998	2.5420504	21	7 21.9	17.9
85112 4060 *T–3*	15.1	*X*	11.97037	213.44939	103.75120	3.28714	0.0500702	0.19980184	2.8978088	21	9 8.8	18.8
85113 4116 *T–3*	15.6	*X*	144.10631	268.43502	37.23928	12.65230	0.2715030	0.27659610	2.3329496	21	—	—
85114 4285 *T–3*	15.2	*X*	82.92050	158.15133	185.96780	16.39209	0.1622216	0.20636599	2.8360287	21	—	—
85115 4329 *T–3*	15.0	*X*	193.35435	148.94318	131.16730	5.39185	0.1790492	0.20986233	2.8044415	21	—	—
85116 4342 *T–3*	15.5	*X*	261.10768	243.70961	144.93009	4.86927	0.0815619	0.24212530	2.5494271	21	7 1.7	19.0
85117 5135 *T–3*	15.6	*X*	138.89323	328.35197	83.66463	7.52011	0.1173499	0.23567770	2.5957153	21	3 21.6	19.4
85118 1971 *UU*	15.4	*X*	301.23184	141.08005	218.96583	2.21180	0.3913509	0.23458749	2.6037512	21	5 28.6	18.7
85119 Hannieschaft	16.5	*X*	69.21086	63.09588	351.76540	19.81935	0.1436362	0.37009028	1.9213107	21	—	—
85120 1975 SP_1	15.7	*X*	30.45227	141.70427	196.12475	9.27472	0.2015718	0.23744048	2.5828522	21	11 29.2	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85121 Loehde	16.5	X	319.87707	253.97294	344.89429	6.03907	0.0757404	0.28201242	2.3029821	21	2 21.8	19.2
85122 1978 UZ_5	14.6	X	293.77503	126.94051	212.41181	16.04937	0.1193626	0.17883904	3.1200472	21	6 5.2	19.0
85123 1978 VC_8	16.3	X	327.25505	164.51872	243.51289	6.28720	0.1182624	0.29762508	2.2217219	21	11 21.6	18.2
85124 1978 VF_8	16.1	X	243.24879	307.24796	61.57444	7.67282	0.1550611	0.29046130	2.2581036	21	5 4.6	19.4
85125 1978 VU_8	15.7	X	211.27052	352.37275	82.24820	2.45046	0.2024251	0.24499934	2.5294500	21	6 26.2	19.7
85126 1978 VO_{10}	15.9	X	59.59508	3.02226	70.57627	8.70021	0.1732451	0.23540657	2.5977080	21	—	—
85127 1978 VJ_{11}	15.0	X	124.90558	303.95242	71.46354	6.49316	0.0936953	0.21314705	2.7755549	21	1 15.6	18.9
85128 1979 HA	13.7	X	66.42604	156.62602	48.93031	24.77536	0.1847070	0.26082386	2.4260766	21	7 25.2	17.3
85129 1979 MC_5	16.1	X	238.83658	203.72515	176.94178	4.54512	0.2481306	0.27769690	2.3267802	21	5 9.9	19.9
85130 1979 MH_5	15.7	X	172.21995	53.83999	265.21236	2.60602	0.0859587	0.22368159	2.6877109	21	—	—
85131 1979 MT_6	15.1	X	27.69922	305.44550	279.96764	10.69373	0.0646558	0.23235476	2.6204045	21	5 27.6	18.3
85132 1979 MR_7	16.2	X	164.77076	36.94822	279.90277	7.82284	0.1411719	0.26998476	2.3708817	21	—	—
85133 1979 MX_7	15.7	X	1.85574	82.20302	278.90239	7.54265	0.1817753	0.23804941	2.5784456	21	11 6.9	18.4
85134 1979 MH_8	17.0	X	283.36955	103.57435	184.88986	2.11908	0.2073032	0.27644812	2.3337820	21	2 24.5	20.6
85135 1979 QN_1	15.8	X	165.03848	199.92929	149.77606	6.49231	0.2093502	0.27062999	2.3671118	21	1 29.3	19.4
85136 1979 QX_2	15.5	X	218.41645	316.89941	335.60853	2.90319	0.1967883	0.27152115	2.3619296	21	1 6.1	19.2
85137 1981 DS_3	14.8	X	330.12736	146.86251	296.31541	9.85955	0.0697909	0.18749741	3.0232393	21	12 16.5	18.7
85138 1981 ED_7	14.8	X	332.81399	60.00835	217.09853	13.63621	0.1022245	0.17475541	3.1684653	21	5 14.7	18.9
85139 1981 EN_9	16.2	X	252.29200	241.84194	338.63424	7.12948	0.1984395	0.26362360	2.4088691	21	—	—
85140 1981 ES_{19}	16.3	X	237.34974	227.95715	351.90282	5.13607	0.0366721	0.28801338	2.2708804	21	—	—
85141 1981 EM_{28}	14.7	X	56.53206	271.48319	357.02660	24.95876	0.2507565	0.17982967	3.1085783	21	9 29.3	19.1
85142 1981 EO_{29}	14.4	X	11.31943	291.42275	272.59572	4.98601	0.1940464	0.12365629	3.9901747	21	4 14.1	19.1
85143 1981 EE_{30}	15.4	X	229.13409	64.46068	240.08456	7.63616	0.2003566	0.26722906	2.3871530	21	1 27.1	19.4
85144 1981 EU_{30}	15.3	X	275.72942	3.74797	340.76144	6.51995	0.1331162	0.27430219	2.3459380	21	5 8.9	18.5
85145 1981 ED_{33}	15.4	X	198.68903	68.50742	306.52777	6.27345	0.1306141	0.27196282	2.3593717	21	3 26.5	19.2
85146 1981 EF_{33}	16.7	X	201.24175	22.67757	209.74645	6.78605	0.1757097	0.26098826	2.4250577	21	—	—
85147 1981 EV_{38}	14.9	X	344.95466	234.59907	320.96572	4.01618	0.1059217	0.17038770	3.2223834	21	2 17.2	18.9
85148 1981 EH_{39}	16.7	X	179.54395	285.44498	317.68293	2.93045	0.1277901	0.26052596	2.4279256	21	12 31.9	20.4
85149 1981 EU_{43}	14.9	X	267.22306	83.20640	324.89491	15.41476	0.1779656	0.23006083	2.6377943	21	7 25.2	18.6
85150 1981 EO_{46}	15.1	X	296.42613	104.28310	145.29013	1.87610	0.1316032	0.16997656	3.2275777	21	2 16.2	19.5
85151 1983 QT	15.6	X	26.77502	29.32275	321.87309	3.95865	0.1825130	0.23718232	2.5847260	21	12 6.9	18.7
85152 1985 QL_3	15.8	X	177.00751	106.24992	186.65000	10.64040	0.1823814	0.25885044	2.4383915	21	—	—
85153 1985 TA	15.2	X	121.06440	226.04249	131.74111	12.02953	0.2995223	0.25616047	2.4554323	21	1 7.9	18.4
85154 1986 TS_4	14.8	X	190.69501	21.05331	350.06722	10.76123	0.2944056	0.26999827	2.3708026	21	3 20.4	19.0
85155 1986 VH_7	15.6	X	235.04627	23.76505	18.72204	2.42983	0.2151479	0.27474985	2.3433891	21	6 4.7	19.4
85156 1987 RN_1	15.2	X	143.24114	222.11480	149.07618	2.49145	0.2376470	0.21639548	2.7477081	21	2 14.7	19.6
85157 1987 SP_5	16.0	X	299.62304	53.03444	3.83552	6.19154	0.2267084	0.28923582	2.2644774	21	9 23.2	17.3
85158 Phyllistrapp	15.7	X	254.09232	42.33158	297.77012	6.02416	0.3163484	0.28257851	2.2999053	21	3 23.6	19.9
85159 1988 DL	14.4	X	104.56091	189.54614	252.61011	8.22939	0.1225058	0.21052406	2.7985617	21	3 14.4	18.4
85160 1988 RW_{12}	15.0	X	29.74255	32.40116	280.54356	3.14003	0.2173157	0.24089650	2.5580894	21	10 26.2	17.8
85161 1988 SA_2	16.3	X	11.99817	217.33640	91.77558	6.39846	0.2111150	0.29919970	2.2139201	21	10 2.7	18.0
85162 1988 SL_2	13.8	X	335.72985	304.77910	162.36633	3.17776	0.1823995	0.12530146	3.9551713	21	—	—
85163 1988 SQ_2	13.3	X	42.34340	234.09135	175.88110	8.31149	0.2185749	0.12702490	3.9193148	21	—	—
85164 1988 TG_2	14.0	X	48.55116	40.39541	7.05567	12.31800	0.1910045	0.21671083	2.7450419	21	—	—
85165 1988 TV_2	15.3	X	0.00527	109.85550	273.68677	4.30714	0.3578305	0.24057348	2.5603787	21	—	—
85166 1989 OC	15.2	X	218.82914	327.71462	306.90390	8.01451	0.2957694	0.26556656	2.3971054	21	—	—
85167 1989 RS_2	14.8	X	120.11548	35.27604	353.16669	8.85466	0.2290592	0.26046405	2.4283103	21	2 7.1	18.0
85168 Albertacentenary	15.0	X	213.73559	87.09121	277.40837	20.61043	0.2611694	0.17422862	3.1748489	21	3 26.3	21.1
85169 1989 SN_2	14.5	X	212.82227	236.57884	175.30726	14.56960	0.2381914	0.17566179	3.1575568	21	6 1.2	20.2
85170 1989 TZ_3	16.0	X	152.36167	273.26734	71.12633	2.31976	0.1761452	0.25942436	2.4347940	21	1 9.4	19.4
85171 1989 TZ_6	14.9	X	169.62715	305.18218	35.64931	15.14347	0.1728843	0.22966187	2.6408483	21	1 31.8	19.4
85172 1990 QU_6	16.3	X	168.22339	228.12605	130.45918	3.09671	0.2220141	0.27147120	2.3622193	21	2 13.9	20.1
85173 1990 QV_6	16.0	X	22.43062	218.40492	151.50014	7.05266	0.3006341	0.22691643	2.6621065	21	—	—
85174 1990 QN_8	16.8	X	297.49787	327.91726	350.15926	2.27193	0.2254375	0.28110019	2.3079618	21	4 17.5	19.6
85175 1990 RS	15.1	X	278.89296	24.92830	349.61818	8.63136	0.1552447	0.28269669	2.2992643	21	6 24.7	18.2
85176 1990 RP_2	15.8	X	318.64435	116.74418	242.09847	2.80216	0.1878518	0.28444723	2.2898212	21	8 2.9	17.7
85177 1990 SE_3	14.6	X	211.05793	332.13466	34.92051	9.45869	0.2423674	0.21115892	2.7929496	21	4 6.2	19.4
85178 1990 TQ	15.6	X	289.61803	18.42762	356.76468	6.87691	0.2683987	0.28257971	2.2998988	21	6 21.5	18.5
85179 Meistereckhart	16.4	X	183.51392	81.63514	243.25186	1.77834	0.1810869	0.26977792	2.3720934	21	1 14.0	20.1
85180 1990 UW_5	15.6	X	222.38918	316.85019	54.28108	12.34818	0.2493155	0.27560705	2.3385276	21	4 17.1	19.6
85181 1990 VF_6	14.7	X	237.28686	249.64605	107.16062	8.76333	0.1329395	0.27416725	2.3467077	21	4 18.5	18.3
85182 1991 AQ	17.1	X	61.88624	243.02123	339.60672	3.12283	0.7765289	0.29743748	2.2226560	21	10 15.4	21.7
85183 Marcelaymé	14.9	X	211.34702	90.72593	296.63825	22.32750	0.2787698	0.27272684	2.3549632	21	4 13.8	19.7
85184 1991 JG_1	18.3	X	286.16506	322.72586	226.39574	33.87650	0.1845552	0.61196541	1.3739939	21	—	—
85185 Lederman	16.4	X	109.49039	63.95154	230.63925	5.04797	0.2849878	0.30707320	2.1759125	21	—	—
85186 1991 PR_2	13.9	X	57.72527	4.00234	315.71214	13.46714	0.0974364	0.23675085	2.5878654	21	11 21.4	17.7
85187 1991 PC_{12}	15.2	X	310.09050	101.45816	186.44488	11.82413	0.3637892	0.22403907	2.6848511	21	3 9.9	19.0
85188 1991 PK_{12}	14.2	X	149.37705	108.23824	237.83423	8.01918	0.1756319	0.21176374	2.7876291	21	1 14.7	18.6
85189 1991 RL_2	14.6	X	322.93498	22.42066	342.75625	12.67134	0.3015093	0.22941204	2.6427652	21	8 6.3	16.8
85190 Birgitroth	14.8	X	278.20961	97.49100	346.38921	11.99799	0.1577183	0.22942457	2.6426690	21	9 24.7	18.0
85191 1991 RP_4	15.0	X	188.85019	118.97642	228.21015	8.24792	0.2588695	0.21513496	2.7584306	21	2 20.7	20.0
85192 1991 RS_{11}	15.1	X	273.00350	208.79255	133.13803	11.01125	0.3268040	0.22427935	2.6829332	21	4 20.4	19.7
85193 1991 RD_{19}	15.9	X	16.17628	95.84853	270.44781	2.84943	0.2389412	0.29992800	2.2103347	21	—	—
85194 1991 TL_2	14.5	X	226.14646	53.49721	275.19250	14.72612	0.3285110	0.21769208	2.7367868	21	2 20.6	19.9
85195 von Helfta	15.5	X	180.40258	136.25414	250.92476	2.43041	0.2662533	0.28248084	2.3004354	21	3 30.8	19.4
85196 Halle	14.5	X	19.96012	272.64359	350.34831	12.24731	0.2438941	0.22651926	2.6652173	21	7 31.9	16.9
85197 Ginkgo	16.7	X	56.89385	64.91560	323.29986	2.59135	0.1537201	0.30362711	2.1923456	21	—	—
85198 Weltenburg	14.4	X	206.43264	51.75282	336.29684	8.83964	0.1057003	0.18680339	3.0307228	21	4 26.2	19.2
85199 Habsburg	16.1	X	341.03063	100.03285	326.67235	5.40601	0.1135480	0.30094758	2.2053396	21	—	—
85200 Johnhault	16.1	X	67.73166	25.31210	37.91901	5.26303	0.1770669	0.24019674	2.5630553	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85201 1991 VU_8	16.2	X	173.02178	318.37719	176.04544	2.50625	0.1285829	0.25523263	2.4613795	21	8 7.8	19.9
85202 1992 DR_{11}	15.1	X	142.32369	113.78284	143.44569	10.73710	0.0529202	0.18980492	2.9986865	21	12 3.1	19.7
85203 1992 EE_5	15.7	X	168.58867	79.40659	350.50473	6.72467	0.0653228	0.27719128	2.3296088	21	5 2.9	19.0
85204 1992 EX_5	14.6	X	231.10165	49.65721	140.75718	11.10011	0.0563149	0.19243864	2.9712637	21	12 20.2	19.0
85205 1992 EM_6	16.0	X	5.68722	82.42034	67.52430	3.64696	0.1579642	0.26855087	2.3793135	21	—	—
85206 1992 EQ_7	15.2	X	69.27747	108.66632	54.42711	6.80320	0.0971860	0.17418486	3.1753805	21	5 14.6	19.5
85207 1992 EB_{19}	15.7	X	292.80122	314.23591	98.18874	4.19391	0.2160508	0.28859818	2.2678117	21	9 5.1	17.6
85208 1992 EG_{20}	14.7	X	338.19914	151.43149	107.56671	6.61271	0.0862028	0.17437075	3.1731233	21	5 2.9	18.9
85209 1992 GM_3	15.4	X	241.85386	341.38411	221.88342	4.72297	0.1336101	0.25820319	2.4424648	21	—	—
85210 1992 HM_1	15.9	X	183.28263	198.52107	135.09644	4.75532	0.1144657	0.26306072	2.4123041	21	1 21.0	19.4
85211 1992 PL	14.9	X	282.62256	45.37632	298.76162	6.00616	0.1064468	0.23348108	2.6119704	21	5 25.7	18.5
85212 1992 RF	14.7	X	132.21970	338.75117	66.61445	28.38287	0.1968794	0.22041989	2.7141605	21	3 30.9	19.5
85213 1992 RN_7	14.6	X	103.23571	359.41289	14.24182	6.33072	0.1542520	0.18197998	3.0840422	21	1 1.9	18.8
85214 Sommersdorf	15.8	X	350.30035	344.85672	33.60005	3.41364	0.1587045	0.30849141	2.1692386	21	11 28.3	17.4
85215 Hohenzollern	15.1	X	238.50703	226.37966	159.62104	4.49163	0.1868736	0.23002476	2.6380701	21	5 22.9	19.3
85216 Schein	16.7	X	68.95381	188.31929	162.24333	1.18178	0.1441385	0.31405985	2.1435211	21	—	—
85217 Bilzingsleben	15.8	X	294.67545	96.32756	292.26894	2.27015	0.2064020	0.30234623	2.1985331	21	8 1.1	17.8
85218 1993 FW_5	14.8	X	23.06279	287.55503	11.48044	13.96481	0.2027850	0.18589428	3.0405959	21	9 18.8	18.2
85219 1993 FM_9	16.3	X	52.24896	47.94091	36.56506	6.96895	0.0422402	0.27467395	2.3438208	21	—	—
85220 1993 FY_{11}	16.2	X	253.83298	235.82011	31.43416	5.28041	0.2048353	0.27401610	2.3475706	21	1 4.5	20.1
85221 1993 FX_{13}	16.2	X	35.70723	168.87090	144.06358	5.21259	0.1490295	0.29318146	2.2441147	21	11 6.1	18.7
85222 1993 FO_{14}	16.6	X	323.28831	131.67745	69.81063	4.39745	0.1638041	0.27628594	2.3346952	21	—	—
85223 1993 FU_{22}	16.3	X	285.51114	276.61003	323.14481	1.55167	0.1792025	0.27481839	2.3429994	21	—	—
85224 1993 FT_{28}	16.6	X	257.03002	12.19906	222.30547	4.86872	0.1505190	0.27215750	2.3582464	21	—	—
85225 1993 FP_{31}	15.6	X	82.83961	22.66698	44.73510	5.91637	0.1690188	0.27667552	2.3325031	21	1 19.1	17.7
85226 1993 FQ_{37}	15.4	X	174.94662	217.05329	46.49149	1.57911	0.2051377	0.19637640	2.9314097	21	—	—
85227 1993 FT_{40}	15.2	X	300.01292	164.90331	171.95268	4.12749	0.0958461	0.18254757	3.0776461	21	6 14.0	19.4
85228 1993 FU_{45}	15.4	X	176.52159	228.02119	30.90693	2.53564	0.1936987	0.19672897	2.9279063	21	—	—
85229 1993 FU_{46}	15.5	X	142.94175	152.95461	175.08580	1.89073	0.0717921	0.20148438	2.8816537	21	—	—
85230 1993 FM_{52}	15.2	X	100.20778	105.65050	148.51823	3.67398	0.1445167	0.18996021	2.9970521	21	10 22.7	19.9
85231 1993 FR_{52}	16.8	X	335.48062	4.75068	153.68466	4.10295	0.2130377	0.27500059	2.3419644	21	—	—
85232 1993 FT_{52}	16.3	X	222.96222	151.70322	94.59733	3.09237	0.1649496	0.26994298	2.3711263	21	—	—
85233 1993 FA_{53}	16.6	X	268.65593	69.28057	159.09621	5.05082	0.1462955	0.27305090	2.3530996	21	—	—
85234 1993 HY_2	16.5	X	299.24961	250.70683	84.83825	4.75004	0.1058599	0.28580728	2.2825512	21	6 5.4	18.8
85235 1993 JA	16.9	X	56.21218	223.86612	43.98633	30.09905	0.1835956	0.35858396	1.9621949	21	10 23.6	19.3
85236 1993 KH	18.7	X	109.55460	293.79729	54.37630	12.80625	0.3110248	0.71930020	1.2336613	21	—	—
85237 1993 NE_2	15.8	X	132.38446	50.23380	278.79735	5.15278	0.1807701	0.26199086	2.4188668	21	—	—
85238 1993 OU_1	14.8	X	305.43214	227.56208	157.75596	5.39863	0.2221565	0.17487367	3.1670367	21	8 5.3	18.5
85239 1993 OB_7	15.6	X	35.94163	251.90286	61.39245	1.50611	0.2064285	0.18112203	3.0937736	21	10 25.8	19.4
85240 1993 OT_{11}	14.8	X	56.77394	22.19319	290.38180	5.94575	0.1906744	0.18359685	3.0659088	21	11 17.5	19.2
85241 1993 PC_3	15.5	X	219.04372	39.18720	265.44350	3.85242	0.2372528	0.26798297	2.3826738	21	1 20.9	19.6
85242 1993 QP_4	16.0	X	164.34209	216.43350	134.67046	2.94604	0.2308471	0.26431549	2.4046635	21	2 2.6	19.8
85243 1993 QG_8	14.9	X	287.32033	257.97989	151.68412	9.30730	0.2378006	0.17244008	3.1967640	21	8 7.5	19.2
85244 1993 QB_9	15.8	X	279.15806	214.54992	357.74707	6.57066	0.0700378	0.26271072	2.4144461	21	—	—
85245 1993 RM_2	15.0	X	152.52507	225.66509	194.74214	23.80989	0.2767402	0.26706307	2.3881420	21	4 23.2	19.1
85246 1993 RL_4	15.5	X	182.50927	56.13921	245.11839	2.04031	0.1270543	0.26139686	2.4225299	21	—	—
85247 1993 RE_5	16.0	X	210.93310	207.23347	182.51196	2.47269	0.2058817	0.27105601	2.3646309	21	4 29.3	19.8
85248 1993 RR_6	15.5	X	113.11216	53.51036	313.56463	1.13405	0.2254589	0.22402451	2.6849675	21	1 6.4	18.8
85249 1993 RT_{11}	15.7	X	162.00461	53.41612	357.39287	2.26063	0.2145513	0.26808960	2.3820420	21	4 13.3	19.6
85250 1993 RQ_{16}	15.1	X	326.93313	345.04030	1.46752	11.03210	0.2413575	0.17332075	3.1859259	21	7 24.2	18.7
85251 1993 RJ_{18}	15.4	X	121.43529	326.95424	351.88015	10.20861	0.2140414	0.22229277	2.6988940	21	—	—
85252 1993 SX_{12}	16.7	X	240.54171	279.89752	5.85737	4.91959	0.1712036	0.30183411	2.2010192	21	1 12.8	20.2
85253 1993 TD_5	16.4	X	171.58692	11.02287	294.58193	3.46756	0.1826800	0.25875894	2.4389663	21	—	—
85254 1993 TG_{12}	14.8	X	132.26267	359.32317	7.06098	10.00100	0.2766857	0.26082567	2.4260654	21	1 30.9	18.4
85255 1993 TZ_{13}	14.5	X	32.85726	191.28288	185.52318	10.42373	0.2020633	0.18025919	3.1036384	21	—	—
85256 1993 TC_{14}	15.5	X	9.49764	142.44562	181.66964	0.28015	0.2070803	0.17502192	3.1652481	21	9 22.9	19.0
85257 1993 TT_{14}	15.7	X	171.56346	317.80418	44.22686	3.05185	0.1110461	0.22897356	2.6461380	21	2 19.8	19.6
85258 1993 TE_{16}	16.3	X	67.35962	21.83340	34.39439	2.10900	0.1476383	0.29378241	2.2410533	21	—	—
85259 1993 TO_{19}	15.2	X	10.01375	299.04471	43.19453	4.05575	0.3061508	0.17657879	3.1466156	21	11 1.9	18.3
85260 1993 TC_{23}	14.5	X	24.22604	97.18973	182.73140	5.56087	0.1363183	0.17189452	3.2035244	21	8 11.5	18.5
85261 1993 TO_{23}	16.4	X	208.94616	234.32166	48.35294	3.84832	0.1292636	0.29674242	2.2261254	21	—	—
85262 1993 TE_{32}	15.6	X	115.32461	315.82420	80.33564	3.37284	0.2104003	0.26098200	2.4250964	21	2 6.7	18.5
85263 1993 TU_{37}	16.1	X	154.64172	263.85997	79.62018	5.48520	0.2139369	0.26138794	2.4225850	21	1 14.7	19.8
85264 1993 TN_{46}	16.1	X	173.94916	131.48661	144.18104	3.14480	0.1782287	0.25738925	2.4476113	21	—	—
85265 1993 VR	14.9	X	206.03925	182.72270	237.92452	12.59893	0.1509675	0.23503072	2.6004767	21	6 5.8	19.0
85266 1993 YK_1	15.9	X	159.47014	123.93603	132.84211	0.91225	0.0202554	0.21399448	2.7682225	21	12 24.4	19.6
85267 Taj Mahal	14.5	X	287.73483	143.80182	288.10272	21.86869	0.0584250	0.24033044	2.5621046	21	9 27.3	18.4
85268 1994 AK_5	15.1	X	294.86996	90.61884	104.66519	2.65801	0.1501228	0.17909071	3.1171235	21	—	—
85269 1994 AV_5	15.0	X	268.08421	149.32329	298.68149	6.45155	0.1547880	0.23977897	2.5660315	21	9 16.4	18.3
85270 1994 AY_5	16.4	X	18.27207	97.93979	297.87869	11.62590	0.1249691	0.24639661	2.5198783	21	—	—
85271 1994 AH_{14}	16.2	X	100.79145	121.64403	124.67255	4.57348	0.0553162	0.23776737	2.5804843	21	10 10.5	19.8
85272 1994 BE_2	15.9	X	218.24011	17.33997	280.94076	0.80144	0.0377834	0.21915473	2.7245962	21	1 20.1	19.7
85273 1994 CW_{13}	15.4	X	312.38628	260.83173	344.31446	23.54067	0.2440527	0.28906413	2.2653740	21	2 2.3	18.8
85274 1994 GH	17.0	X	148.30736	140.22095	163.46874	5.80223	0.2464747	0.31271778	2.1496495	21	—	—
85275 1994 LY	16.1	X	113.09911	202.84109	141.15256	17.71645	0.4421276	0.37899586	1.8910938	21	—	—
85276 1994 PY_4	15.2	X	356.36076	148.60054	157.14015	6.34304	0.1445033	0.18144890	3.0900570	21	7 29.3	18.7
85277 1994 PH_5	15.8	X	307.37596	260.42907	322.61987	5.80107	0.0698299	0.27773186	2.3265850	21	1 16.4	18.6
85278 1994 PU_8	15.4	X	346.08603	116.37829	330.75902	7.60810	0.1486447	0.30210099	2.1997228	21	—	—
85279 1994 PM_{10}	16.3	X	112.25346	203.15535	137.52960	3.01691	0.1112669	0.26882856	2.3776748	21	—	—
85280 1994 PU_{14}	14.7	X	348.77977	146.98668	183.90215	2.49039	0.2088156	0.18222594	3.0812664	21	8 18.6	17.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85281 1994 PZ_{16}	16.1	X	309.08691	131.03516	166.52213	6.22119	0.1951719	0.28575515	2.2828288	21	4 11.1	18.7
85282 1994 PE_{19}	14.5	X	326.79678	354.23513	344.24504	4.83312	0.1708567	0.18040921	3.1019176	21	7 19.3	18.0
85283 1994 PO_{21}	14.9	X	260.91810	225.14296	115.29256	2.21573	0.1773026	0.17437566	3.1730638	21	4 22.4	19.8
85284 1994 PT_{21}	16.4	X	15.02621	252.41264	70.87779	1.16688	0.1691044	0.29400861	2.2399037	21	10 19.7	18.3
85285 1994 PE_{23}	16.7	X	348.03253	253.03205	61.27617	0.12553	0.1684964	0.29052926	2.2577515	21	7 31.6	18.1
85286 1994 PA_{27}	16.6	X	343.43433	244.35408	136.59146	6.28694	0.2299497	0.29500053	2.2348799	21	11 25.6	18.0
85287 1994 PM_{29}	14.7	X	323.40331	86.20759	267.55050	3.98825	0.1844799	0.18099628	3.0952064	21	7 30.5	18.2
85288 1994 PC_{30}	16.0	X	345.07662	199.52201	210.14493	5.06180	0.1736644	0.26087466	2.4257616	21	12 23.3	18.2
85289 1994 PJ_{32}	14.8	X	317.61114	140.30448	176.31656	9.46581	0.0851819	0.17764386	3.1340259	21	6 14.6	19.1
85290 1994 PZ_{32}	15.1	X	75.99419	294.79204	310.57663	7.90273	0.1934081	0.22040461	2.7142860	21	9 19.8	19.1
85291 1994 PF_{33}	16.0	X	345.86875	185.08188	166.30635	2.75155	0.2488974	0.29337209	2.2431424	21	10 9.2	16.8
85292 1994 RA_{18}	15.2	X	297.61356	144.00888	315.60945	4.40563	0.1105859	0.29846045	2.2175744	21	12 14.0	17.0
85293 Tengzhou	14.6	X	93.00742	252.04060	325.58471	14.47427	0.1366554	0.17839218	3.1252553	21	8 26.8	19.2
85294 1994 SO_{9}	16.2	X	261.00521	147.28874	24.94691	2.93459	0.1340143	0.26414030	2.4057266	21	—	—
85295 1994 TY	14.9	X	146.74975	29.95589	20.34990	13.40031	0.2893936	0.23841958	2.5757760	21	4 7.9	19.1
85296 1994 TT_{7}	17.0	X	41.29311	265.23297	16.97451	1.06182	0.1307609	0.29153635	2.2525490	21	9 25.2	19.2
85297 1994 TJ_{8}	16.9	X	41.44117	191.14374	148.94415	1.69899	0.1908277	0.29696377	2.2250191	21	12 26.2	19.6
85298 1994 TF_{10}	15.9	X	270.88474	56.57840	203.07891	5.23594	0.1878006	0.27455518	2.3444967	21	1 9.4	19.6
85299 Neander	16.0	X	29.18507	326.30637	49.55866	2.03253	0.2001577	0.26063746	2.4272331	21	—	—
85300 1994 UW_{2}	14.8	X	66.33418	198.32479	215.98236	24.03767	0.2480857	0.26601334	2.3944206	21	—	—
85301 1994 UM_{5}	15.0	X	68.80515	278.50073	12.94652	6.87532	0.2014882	0.25768437	2.4457421	21	11 16.8	18.6
85302 1994 VM	15.8	X	237.71220	148.57791	240.67774	4.91927	0.1794062	0.28234521	2.3011721	21	5 23.6	19.3
85303 1994 VN_{1}	16.0	X	254.01401	231.28835	149.17585	2.59556	0.2408626	0.28316860	2.2967091	21	5 23.2	19.5
85304 1994 VS_{1}	14.3	X	334.11469	21.39842	38.30669	4.98491	0.1644676	0.18186809	3.0853069	21	11 20.7	17.8
85305 1994 VX_{4}	15.7	X	204.79511	110.96740	250.99052	4.03778	0.2064822	0.27746846	2.3280571	21	3 17.2	19.5
85306 1994 VL_{8}	15.3	X	289.47324	355.36571	69.38240	23.87653	0.0924719	0.36363340	1.9439878	21	11 2.4	17.1
85307 1994 WN	15.4	X	183.04366	167.26169	269.28664	4.67061	0.2150500	0.27896743	2.3197101	21	6 3.2	19.3
85308 Atsushimori	16.3	X	286.43329	192.87584	173.72492	5.19740	0.1824374	0.28508480	2.2864059	21	6 18.9	19.0
85309 1994 WO_{4}	15.0	X	19.20552	197.46210	142.16796	6.77298	0.1347317	0.18060807	3.0996402	21	10 26.2	18.9
85310 1994 WH_{5}	16.9	X	7.14299	231.14390	218.21945	1.35951	0.1957368	0.22612613	2.6683055	21	—	—
85311 1994 WK_{8}	15.0	X	192.18450	48.74539	117.11924	8.19469	0.0967864	0.21480243	2.7612767	21	10 9.9	19.3
85312 1994 YB_{1}	14.2	X	310.04610	303.21311	106.17336	10.73401	0.2862160	0.17583755	3.1554524	21	9 10.6	17.8
85313 1994 YU_{1}	14.9	X	155.45667	119.44609	324.83838	3.90713	0.1416640	0.27488697	2.3426098	21	5 14.3	18.5
85314 1995 AY_{1}	15.6	X	121.03711	296.60418	110.24741	5.36287	0.0574733	0.22969517	2.6405931	21	2 11.1	19.1
85315 1995 BE	15.8	X	110.32843	6.63034	129.77730	5.54600	0.1991429	0.23635587	2.5907477	21	6 13.3	19.7
85316 1995 BA_{4}	15.4	X	340.46566	333.73110	350.40287	4.00161	0.1782164	0.24024806	2.5626903	21	7 27.6	17.6
85317 Lehár	15.6	X	115.53014	331.93067	137.81853	6.60850	0.2640471	0.23449714	2.6044200	21	5 23.9	19.7
85318 1995 DX_{4}	15.5	X	4.36381	258.53286	316.05812	10.94406	0.0224050	0.23204256	2.6227544	21	4 1.5	19.1
85319 1995 EJ_{4}	15.4	X	218.03373	242.18797	160.87352	6.36384	0.1280033	0.19852749	2.9101962	21	5 29.8	20.0
85320 Bertram	15.2	X	3.10617	187.69754	34.20607	5.04811	0.2016658	0.22897221	2.6461484	21	4 5.9	17.6
85321 1995 FK_{7}	15.2	X	185.51159	326.45135	140.34827	5.91215	0.0782898	0.23722135	2.5844424	21	7 16.0	18.9
85322 1995 GS_{5}	15.0	X	107.97500	333.82648	140.29803	3.17074	0.1540361	0.23022958	2.6365052	21	5 7.2	18.6
85323 1995 GF_{8}	14.8	X	267.17554	185.26298	12.57827	5.02447	0.0995050	0.17822513	3.1272079	21	—	—
85324 1995 HX_{2}	14.9	X	315.74718	170.67358	49.18831	13.26867	0.1096820	0.18363101	3.0655285	21	2 9.9	19.3
85325 1995 MO_{1}	14.9	X	25.81552	354.66737	192.09639	7.21223	0.1070947	0.18073613	3.0981758	21	4 9.8	18.6
85326 1995 OR_{6}	14.5	X	2.35406	77.44604	154.08141	15.08872	0.0825778	0.18262886	3.0767328	21	5 5.4	18.7
85327 1995 OR_{15}	14.4	X	285.34582	352.85646	291.61342	14.63860	0.0505709	0.17942480	3.1132529	21	3 18.6	19.1
85328 1995 PA	15.8	X	46.00760	316.59362	59.69263	3.50619	0.2047317	0.27555991	2.3387943	21	—	—
85329 1995 PQ	15.1	X	222.63831	256.16240	122.01064	14.90728	0.3754842	0.21703843	2.7422789	21	4 27.6	20.6
85330 1995 QO	15.9	X	199.49309	32.88911	346.64373	8.46060	0.3013817	0.21363578	2.7713203	21	4 7.6	21.0
85331 1995 QA_{13}	14.8	X	343.53410	5.76851	206.49644	6.02630	0.0328367	0.17294380	3.1905537	21	3 13.2	19.2
85332 1995 SH_{4}	15.4	X	221.13699	75.43625	321.18119	21.75964	0.3639758	0.21648950	2.7469125	21	5 3.9	21.1
85333 1995 SN_{13}	15.1	X	88.18997	332.75978	354.07248	2.32994	0.1529145	0.19841210	2.9113245	21	—	—
85334 1995 SY_{13}	17.1	X	303.81696	2.45240	171.25955	3.11020	0.0826566	0.28052284	2.3111275	21	—	—
85335 1995 SB_{15}	15.3	X	188.79875	52.05974	340.87540	4.94396	0.0841801	0.21488400	2.7605779	21	4 13.9	19.6
85336 1995 SJ_{27}	15.9	X	101.11309	276.96445	199.04068	0.28556	0.1093083	0.17286829	3.1914826	21	4 28.2	20.3
85337 1995 SW_{34}	16.2	X	125.68332	14.79012	6.13519	1.33100	0.1838491	0.24335516	2.5408304	21	1 29.6	19.5
85338 1995 SX_{37}	15.8	X	50.94241	153.28662	229.00230	0.35846	0.0576968	0.23734216	2.5835654	21	—	—
85339 1995 ST_{38}	15.6	X	93.58512	250.64642	206.40891	4.26514	0.0674189	0.17103301	3.2142730	21	3 19.8	20.0
85340 1995 SV_{42}	15.2	X	29.60876	93.79237	86.09477	2.41379	0.1200151	0.17394430	3.1783075	21	4 9.3	18.9
85341 1995 SL_{49}	14.7	X	16.78545	237.30726	0.00113	12.04157	0.1110559	0.21990644	2.7183837	21	5 26.2	18.0
85342 1995 SP_{52}	16.7	X	52.03733	94.53545	10.01727	3.01230	0.1664632	0.28072043	2.3100429	21	1 8.4	18.3
85343 1995 SX_{53}	14.7	X	180.81438	93.59846	316.22419	22.59078	0.2531810	0.21250001	2.7811863	21	4 21.4	20.1
85344 1995 SB_{64}	15.8	X	207.10370	347.67605	356.49647	3.40575	0.1020431	0.21056037	2.7982400	21	3 6.5	20.2
85345 1995 SH_{65}	15.0	X	305.57130	8.29895	271.64206	9.73849	0.2177037	0.21939082	2.7226412	21	3 11.6	19.0
85346 1995 SE_{71}	14.7	X	88.26294	283.46567	226.57622	10.93691	0.0996884	0.18111515	3.0938520	21	5 23.6	19.0
85347 1995 SU_{82}	15.9	X	326.84492	201.60962	359.76970	6.91189	0.0517771	0.28606193	2.2811964	21	1 14.9	18.8
85348 1995 SV_{82}	15.3	X	306.31046	310.95028	358.51975	9.53185	0.3260293	0.22105338	2.7089726	21	4 6.8	19.0
85349 1995 UP_{11}	15.2	X	227.42591	167.32983	200.83956	6.70995	0.1564440	0.21559026	2.7545456	21	4 22.3	19.6
85350 1995 UN_{13}	15.3	X	141.68459	330.45216	13.60606	1.96733	0.0741138	0.20292526	2.8679966	21	—	—
85351 1995 UC_{18}	15.1	X	327.47034	113.17925	198.32476	13.56994	0.0754718	0.18276061	3.0752539	21	6 22.3	19.4
85352 1995 UR_{43}	16.3	X	193.19254	149.55617	65.90636	7.16954	0.0307695	0.26912364	2.3759364	21	12 23.7	19.3
85353 1995 UE_{46}	16.2	X	33.04444	295.62199	11.60003	4.38089	0.1484529	0.30394546	2.1908145	21	10 23.3	18.2
85354 1995 UA_{67}	16.6	X	247.12378	341.84876	113.82706	3.45073	0.1893165	0.25972836	2.4328937	21	8 31.9	20.0
85355 1995 VN_{17}	15.5	X	223.98485	312.62535	47.12376	3.64628	0.2209698	0.21244175	2.7816947	21	4 6.9	20.1
85356 1995 WA_{3}	15.5	X	322.39889	149.54340	62.97665	10.51653	0.0982778	0.24231204	2.5481172	21	1 27.4	18.9
85357 1995 WW_{9}	15.9	X	5.52729	26.24749	40.37373	7.85291	0.0808435	0.27180049	2.3603110	21	—	—
85358 1995 WJ_{12}	16.0	X	127.13926	114.02713	93.74645	7.78250	0.0968241	0.25979405	2.4324836	21	9 28.9	19.6
85359 1995 WQ_{15}	15.4	X	71.39542	249.05629	26.02833	1.31798	0.1399390	0.18926241	3.0044142	21	10 15.1	19.5
85360 1995 WM_{16}	15.0	X	197.37302	108.93262	259.10796	2.87064	0.0481115	0.17184285	3.2041665	21	3 27.9	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85361 1995 WO_{16}	15.3	X	2.98736	201.21216	29.05317	9.78231	0.1727680	0.17409001	3.1765338	21	4 27.0	18.6
85362 1995 WR_{32}	15.3	X	214.57826	345.79199	38.72684	14.43961	0.2099632	0.21455439	2.7634044	21	4 28.4	19.9
85363 1995 WY_{36}	14.7	X	288.50880	298.71682	84.31743	11.67002	0.1294864	0.18140682	3.0905348	21	7 24.6	19.0
85364 1995 YD_{7}	16.5	X	327.99367	233.57494	226.06368	6.41169	0.1254729	0.26919221	2.3755329	21	—	—
85365 1995 YB_{9}	16.4	X	353.07357	122.21724	85.25624	2.83275	0.1105385	0.28356399	2.2945736	21	2 23.1	18.8
85366 1996 AY_{13}	16.4	X	13.65148	1.71618	356.26895	7.44595	0.1674043	0.29739337	2.2228758	21	12 7.3	18.8
85367 1996 AO_{17}	16.6	X	257.23557	96.17233	181.54472	2.12829	0.1950650	0.27515243	2.3411028	21	1 19.3	20.3
85368 1996 CQ_{7}	15.6	X	259.47872	85.51555	82.50883	1.52864	0.2152182	0.26263921	2.4148843	21	12 20.3	18.3
85369 1996 DX_{2}	15.6	X	79.86170	96.13037	83.18727	4.29792	0.1527765	0.24386916	2.5372590	21	6 26.3	18.6
85370 1996 EW_{7}	16.7	X	222.64208	138.17425	153.13193	1.76748	0.1745611	0.26845746	2.3798654	21	1 7.8	20.4
85371 1996 EV_{8}	16.7	X	189.46906	163.18878	110.78792	2.40341	0.1084862	0.26471174	2.4022632	21	—	—
85372 1996 EO_{12}	15.5	X	16.36862	78.98067	302.52538	7.46306	0.2499407	0.30009946	2.2094927	21	—	—
85373 1996 FC_{1}	15.5	X	336.24752	273.65391	337.18652	4.67828	0.1325456	0.27682501	2.3316633	21	3 25.5	18.1
85374 1996 FC_{4}	15.2	X	267.98052	212.01251	29.80649	1.04902	0.0520032	0.19145142	2.9814691	21	1 12.3	19.5
85375 1996 GY_{4}	15.7	X	166.48214	100.51099	52.07138	5.54327	0.0293251	0.20860715	2.8156797	21	8 25.4	19.7
85376 1996 GU_{14}	15.8	X	67.66423	246.53426	89.10112	8.71176	0.1668719	0.25235525	2.4800541	21	—	—
85377 1996 GZ_{17}	15.8	X	10.95625	339.66614	206.54267	4.68077	0.0621568	0.27233732	2.3572082	21	2 26.4	18.3
85378 1996 GD_{19}	15.8	X	326.08845	222.10691	46.54204	7.79649	0.1203096	0.27499175	2.3420147	21	4 10.3	18.3
85379 1996 HY_{24}	16.0	X	245.12213	39.11870	190.02976	2.48516	0.1293349	0.26170182	2.4206475	21	—	—
85380 1996 JS	15.5	X	194.32936	59.49631	231.34375	3.76325	0.1974343	0.26086428	2.4258260	21	—	—
85381 1996 JL_{15}	15.9	X	3.62359	87.28931	216.90765	8.78898	0.1323713	0.24180758	2.5516598	21	8 10.7	18.7
85382 1996 LJ_{2}	15.9	X	48.44541	166.26344	204.25362	12.74165	0.2119665	0.25290199	2.4764785	21	—	—
85383 1996 MS	15.9	X	343.54692	222.31435	127.18628	6.88245	0.3673259	0.23706402	2.5855858	21	9 16.7	16.5
85384 1996 NZ	15.6	X	5.95352	3.10725	264.07268	0.26465	0.1449278	0.23507493	2.6001506	21	6 22.9	18.1
85385 1996 NJ_{5}	15.0	X	205.66253	44.15336	308.14763	1.58342	0.0510936	0.22320634	2.6915246	21	3 12.6	18.9
85386 Payton	14.7	X	198.11031	38.93327	310.61143	13.62147	0.1135039	0.22369192	2.6876281	21	2 26.2	18.9
85387 1996 PF_{7}	15.8	X	354.03746	137.73573	179.89623	2.00951	0.2211565	0.23665528	2.5885620	21	8 16.9	17.6
85388 Sakazukiyama	16.1	X	48.76675	137.63077	189.98106	3.95109	0.3121783	0.24309984	2.5426092	21	12 23.6	19.8
85389 Rosenauer	15.9	X	256.83000	184.24259	150.17741	3.48442	0.1245143	0.22722886	2.6596657	21	4 12.1	19.8
85390 1996 QZ_{2}	15.1	X	312.55508	91.05780	250.75889	2.71982	0.2616450	0.23345749	2.6121464	21	6 11.4	17.9
85391 1996 RW_{11}	15.9	X	139.11594	314.97032	13.53352	3.96104	0.0989710	0.21233278	2.7826464	21	—	—
85392 1996 RR_{13}	15.0	X	152.18065	353.71875	350.19269	4.26326	0.1256850	0.21452308	2.7636733	21	1 11.9	19.1
85393 1996 RF_{17}	14.8	X	60.26707	35.69835	356.95139	5.81860	0.0713416	0.20881884	2.8137765	21	—	—
85394 1996 RT_{32}	12.6	X	29.93343	236.61906	123.68309	5.61651	0.0531254	0.08383741	5.1702412	21	11 9.3	19.3
85395 1996 SQ_{4}	15.1	X	176.56102	275.07014	199.98085	27.30769	0.1530153	0.22688834	2.6623262	21	7 12.3	20.0
85396 1996 SB_{7}	15.4	X	69.48011	149.14475	195.06487	14.81931	0.2673208	0.24443516	2.5333407	21	—	—
85397 1996 TN_{3}	15.0	X	283.55050	223.42607	178.00871	13.06052	0.1681039	0.23321524	2.6139549	21	8 3.2	18.6
85398 1996 TH_{6}	15.2	X	271.70408	117.34020	243.00954	11.67754	0.3158203	0.22725505	2.6594613	21	5 7.5	19.4
85399 1996 TG_{8}	14.6	X	173.25337	192.38469	188.09254	11.38461	0.1074417	0.22047312	2.7137237	21	3 14.5	18.8
85400 Shiratakachu	15.8	X	10.02490	0.95896	14.42130	0.76822	0.2100659	0.23963084	2.5670889	21	12 19.1	18.5
85401 Yamatenclub	15.0	X	36.81753	40.38646	2.06625	3.49830	0.1243552	0.24481572	2.5307147	21	—	—
85402 1996 TO_{15}	15.2	X	189.97167	190.72813	158.30472	2.09548	0.0919275	0.21812556	2.7331597	21	2 21.7	19.3
85403 1996 TY_{27}	15.0	X	23.56260	46.02328	96.53246	5.73410	0.1993467	0.17304276	3.1893372	21	2 10.3	18.3
85404 1996 TD_{33}	15.0	X	102.57650	138.09673	222.00548	7.20264	0.2393664	0.21000470	2.8031739	21	—	—
85405 1996 TO_{39}	15.1	X	51.34555	289.60761	91.07593	3.02483	0.1807978	0.24584632	2.5236372	21	—	—
85406 1996 TL_{45}	14.9	X	114.07293	37.90243	125.63011	6.02069	0.1122007	0.18615786	3.0377251	21	7 12.1	19.4
85407 1996 TY_{45}	15.8	X	108.90825	140.27783	201.57516	1.39772	0.0771740	0.20601220	2.8392747	21	—	—
85408 1996 TB_{55}	15.0	X	69.22670	164.03660	230.42996	12.10169	0.2244155	0.20915401	2.8107696	21	—	—
85409 1996 UO_{2}	15.8	X	235.02144	208.01541	221.82426	4.70780	0.0444690	0.18836848	3.0139120	21	7 26.6	20.1
85410 1996 UJ_{4}	15.0	X	75.92186	216.20822	207.28252	25.14650	0.1381952	0.21101027	2.7942611	21	1 9.7	19.0
85411 Paulflora	15.8	X	244.69851	136.02718	228.53044	4.32284	0.0727637	0.22304235	2.6928438	21	5 11.7	19.6
85412 1996 VS_{10}	16.1	X	11.33755	321.83030	2.47031	11.64756	0.2390221	0.23622990	2.5916686	21	10 10.4	18.5
85413 1996 VK_{11}	15.4	X	280.45227	343.58185	346.94336	9.81606	0.1148771	0.18608649	3.0385017	21	5 3.9	19.9
85414 1996 VN_{17}	15.6	X	42.99619	171.69874	193.72023	1.64044	0.0746361	0.20069226	2.8892312	21	12 23.2	19.4
85415 1996 VE_{38}	15.0	X	27.82050	286.06237	52.92518	12.55738	0.3358948	0.23996263	2.5647220	21	12 16.4	18.3
85416 1996 XN_{2}	15.7	X	38.81709	78.44769	287.76646	2.64798	0.2524004	0.24140883	2.5544688	21	—	—
85417 1996 XQ_{3}	14.9	X	144.08793	254.72735	25.19391	12.39788	0.0802275	0.20232960	2.8736228	21	—	—
85418 1996 XQ_{14}	15.1	X	118.54518	25.47267	94.66240	7.38954	0.0740433	0.17464949	3.1697462	21	5 20.7	19.7
85419 1996 XX_{16}	16.4	X	53.34629	188.31236	54.69006	2.69785	0.0865710	0.26651254	2.3914297	21	8 8.1	19.1
85420 1996 XB_{17}	14.5	X	195.90606	34.98810	63.20889	7.27004	0.1768757	0.18445671	3.0563734	21	7 13.8	19.7
85421 1996 XL_{30}	15.4	X	253.72073	151.13654	195.32821	3.01045	0.2051746	0.21708428	2.7418928	21	4 16.2	19.6
85422 Maedanaoe	15.4	X	257.35704	275.02255	104.89047	13.38593	0.2856553	0.22427617	2.6829585	21	5 26.1	19.9
85423 1996 XX_{36}	15.1	X	111.65164	248.42513	241.97056	8.71741	0.1877249	0.17802833	3.1295121	21	6 6.9	19.8
85424 1997 AA_{3}	13.6	X	212.37790	68.07239	321.49231	15.37673	0.2540421	0.17851340	3.1238404	21	4 26.4	19.3
85425 1997 AM_{3}	15.8	X	191.94674	83.27939	109.45622	5.05686	0.1139219	0.27055774	2.3675332	21	11 15.7	19.1
85426 1997 AK_{12}	16.3	X	88.62214	139.75832	122.84780	0.40428	0.1542285	0.30699208	2.1762959	21	11 4.1	19.1
85427 1997 AE_{13}	15.6	X	171.28993	118.48682	74.41939	7.62971	0.1915622	0.26684158	2.3894634	21	10 23.1	19.5
85428 1997 AN_{16}	14.5	X	336.73188	271.28530	1.96201	11.05975	0.1989462	0.17513843	3.1638442	21	4 29.7	18.3
85429 1997 AJ_{18}	14.9	X	120.47869	13.73904	271.62967	9.81564	0.0567828	0.19302890	2.9652034	21	12 11.8	19.4
85430 1997 BW_{5}	16.8	X	219.30005	133.47282	324.18837	2.33512	0.0819585	0.30261459	2.1972331	21	8 15.5	19.3
85431 1997 BE_{6}	15.1	X	154.24012	96.73116	143.51698	12.30968	0.1051652	0.18947413	3.0021757	21	11 26.4	20.0
85432 1997 CK_{19}	15.1	X	227.74902	98.52997	305.97527	20.63765	0.1902372	0.22098304	2.7095474	21	6 3.8	19.9
85433 1997 CJ_{22}	16.2	X	178.94885	347.01240	170.78664	2.96276	0.1326540	0.26389839	2.4071966	21	9 14.5	19.7
85434 1997 CR_{24}	15.3	X	234.10154	302.60935	128.44863	12.08554	0.0775705	0.18165161	3.0877577	21	7 24.4	19.9
85435 1997 EU_{3}	16.7	X	144.66940	62.54337	164.46093	0.44468	0.1059272	0.30481527	2.1866448	21	11 13.4	19.5
85436 1997 EU_{16}	15.3	X	22.29432	343.51212	12.15175	0.75781	0.2366323	0.18369874	3.0647750	21	12 2.6	18.8
85437 1997 EX_{31}	16.3	X	11.91516	17.77548	182.88779	7.62267	0.1681766	0.28699845	2.2762311	21	3 10.4	18.0
85438 1997 EH_{37}	16.2	X	187.10589	14.01042	115.15209	5.00801	0.0767496	0.30249690	2.1978030	21	8 21.8	19.1
85439 1997 EP_{40}	16.4	X	0.21917	104.36976	50.26259	5.16359	0.0806733	0.28174858	2.3044196	21	—	—
85440 1997 EB_{47}	16.2	X	250.61997	231.39792	357.82520	2.39262	0.1963341	0.27441618	2.3452883	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85441 1997 FX_2	16.7	X	305.21149	275.05210	239.97056	2.22309	0.1661580	0.27531087	2.3402045	21	—	—
85442 1997 GW_1	16.6	X	347.83451	142.42201	199.38142	2.43716	0.0865137	0.25956171	2.4339349	21	9 10.5	19.2
85443 1997 GZ_4	16.7	X	128.91177	138.13610	172.34663	1.92333	0.1951513	0.27007259	2.3703677	21	—	—
85444 1997 GL_6	15.3	X	184.19645	217.16564	190.16766	3.27624	0.1352171	0.28716914	2.2753290	21	4 25.8	18.7
85445 1997 GV_7	15.5	X	203.13452	317.03799	47.98847	8.32988	0.1422796	0.28298232	2.2977169	21	3 24.2	19.0
85446 1997 GK_9	15.9	X	129.48757	117.23751	355.88522	8.00189	0.0610223	0.29070949	2.2568182	21	5 11.7	18.8
85447 1997 GQ_{11}	15.8	X	145.27349	64.67642	358.91024	6.86067	0.1011548	0.28709812	2.2757043	21	3 31.1	18.7
85448 1997 GR_{11}	16.2	X	337.91146	84.94142	229.32074	3.86954	0.1747238	0.29328780	2.2435722	21	7 4.2	17.9
85449 1997 GA_{17}	15.9	X	277.66841	7.22161	347.75529	2.00182	0.1022403	0.29265349	2.2468129	21	6 1.6	18.6
85450 1997 GB_{18}	15.9	X	238.43838	258.76718	73.93606	1.37250	0.2417722	0.28378262	2.2933950	21	3 9.9	19.6
85451 1997 GC_{18}	15.9	X	236.16500	20.55610	186.18132	6.58317	0.1509115	0.23081426	2.6320509	21	—	—
85452 1997 GA_{23}	16.1	X	297.20336	125.91849	181.13710	3.74144	0.2126221	0.28546358	2.2843829	21	4 4.6	19.1
85453 1997 GF_{31}	15.9	X	82.82992	142.64126	16.80881	7.34065	0.0312098	0.25025115	2.4939361	21	5 11.4	19.1
85454 1997 GH_{35}	16.1	X	27.45021	353.50905	185.59695	6.26414	0.0496392	0.28415084	2.2914133	21	3 14.2	18.6
85455 1997 HJ	16.2	X	278.70614	169.09222	38.58792	4.43010	0.1701857	0.27540591	2.3396661	21	—	—
85456 1997 HW	16.4	X	89.76146	309.10573	43.07436	3.48460	0.1778481	0.30905159	2.1666166	21	—	—
85457 1997 HQ_3	16.4	X	357.45634	154.67090	72.23070	6.92280	0.0770287	0.28500918	2.2868103	21	4 6.9	18.8
85458 1997 HD_8	14.4	X	57.52741	201.91387	44.79041	5.77498	0.0926175	0.17256432	3.1952294	21	8 16.6	18.7
85459 1997 HZ_{10}	15.5	X	269.18357	296.39512	23.66152	3.27645	0.2230759	0.28339714	2.2954742	21	3 21.8	18.9
85460 1997 HG_{12}	16.3	X	334.01775	65.21186	205.52722	6.26860	0.1200934	0.28698632	2.2762952	21	4 23.2	18.5
85461 1997 HP_{12}	16.5	X	325.94420	347.60583	207.22828	3.58926	0.1801698	0.27938231	2.3174130	21	—	—
85462 1997 HL_{13}	16.2	X	351.61492	178.70067	59.14122	7.42697	0.0707822	0.28607647	2.2811191	21	4 13.2	18.6
85463 1997 JR_1	14.7	X	35.56214	126.93901	160.90131	2.04676	0.1203986	0.17418634	3.1753625	21	9 8.9	18.7
85464 1997 JH_3	14.6	X	355.37011	250.42779	197.22124	9.94749	0.1004462	0.19230645	2.9726251	21	—	—
85465 1997 JE_{14}	15.0	X	226.15134	155.22895	60.48392	25.03411	0.2084302	0.27023601	2.3694119	21	—	—
85466 Krastins	15.2	X	107.64618	52.11043	205.70990	4.38156	0.0671035	0.21902367	2.7256830	21	10 30.2	19.1
85467 1997 KK_3	16.5	X	65.62178	232.52369	110.75340	4.66693	0.2316335	0.30231929	2.1986637	21	—	—
85468 1997 LP_1	15.8	X	32.27256	145.96092	146.17360	7.12701	0.1273932	0.29405402	2.2396731	21	9 27.3	18.0
85469 1997 LJ_2	15.7	X	163.49254	230.67160	103.15936	5.66255	0.2092824	0.23064242	2.6333581	21	1 15.4	20.0
85470 1997 LN_2	14.2	X	265.65698	262.15180	139.46458	15.74268	0.0408862	0.16987737	3.2288338	21	7 29.6	18.8
85471 Maryam	16.2	X	295.43932	104.45982	67.15135	25.47553	0.2318705	0.27323773	2.3520268	21	—	—
85472 Xizezong	15.7	X	331.85221	350.02379	249.31673	9.28658	0.2007936	0.28050748	2.3112118	21	2 14.2	18.7
85473 1997 LV_5	16.7	X	68.40751	45.31142	285.95187	0.46737	0.2008384	0.25715381	2.4491050	21	—	—
85474 1997 LN_{15}	15.9	X	309.11527	105.53362	209.33800	4.53522	0.2165220	0.28627276	2.2800762	21	5 1.3	18.4
85475 1997 LH_{17}	15.8	X	167.81601	95.79590	143.00152	2.84101	0.0842973	0.30497627	2.1858751	21	12 25.6	18.6
85476 1997 MY	15.7	X	352.69408	180.02824	195.66546	2.56772	0.2260762	0.29346634	2.2426622	21	12 6.0	17.2
85477 1997 MQ_2	16.4	X	114.12597	165.88444	167.57163	1.47022	0.2034978	0.26345731	2.4098826	21	—	—
85478 1997 MK_5	16.0	X	103.82002	313.94937	13.87785	1.01975	0.2036074	0.26182379	2.4198957	21	—	—
85479 1997 NF_3	16.1	X	238.85957	291.77792	65.02832	3.88002	0.2107443	0.27822817	2.3238173	21	4 11.9	19.8
85480 1997 NB_8	16.1	X	321.68769	68.54732	276.56772	2.36290	0.2051550	0.28773756	2.2723315	21	7 15.3	17.5
85481 1997 OG_1	15.3	X	40.16234	288.83732	300.51521	22.16435	0.2504617	0.28741884	2.2740110	21	7 22.9	17.0
85482 1997 PL_2	16.7	X	267.83765	122.85736	223.47662	1.53982	0.1882015	0.27973698	2.3154539	21	4 26.9	19.8
85483 1997 QG_2	14.4	X	78.11044	238.81036	158.38729	33.89846	0.3386351	0.21941520	2.7224395	21	1 13.1	17.7
85484 1997 QV_2	15.3	X	347.43530	78.90053	291.87370	4.64911	0.1829780	0.28983055	2.2613786	21	11 5.7	17.0
85485 1997 RJ_2	16.0	X	170.19433	229.76979	167.65706	2.63019	0.1719743	0.26940044	2.3743087	21	4 2.2	19.6
85486 1997 RG_{13}	16.2	X	226.04638	164.62848	190.93195	1.78242	0.2193731	0.27485607	2.3427853	21	3 28.9	19.9
85487 1997 SC_1	16.6	X	268.44320	48.79461	243.35270	1.25596	0.2134679	0.27523514	2.3406337	21	2 14.5	20.4
85488 1997 SH_2	16.7	X	235.29962	168.86442	175.44907	2.87505	0.1903519	0.27473722	2.3434609	21	3 24.1	20.5
85489 1997 SV_2	15.0	X	131.07513	134.98271	191.29176	23.71478	0.2354078	0.17836207	3.1256071	21	—	—
85490 1997 SE_5	14.6	X	113.86715	94.01867	247.73665	2.57518	0.6609897	0.13510434	3.7614605	21	2 3.2	21.5
85491 1997 SL_{11}	16.6	X	277.35504	299.67333	358.01423	2.60198	0.1746217	0.27603448	2.3361129	21	3 6.5	20.1
85492 1997 SE_{19}	16.2	X	271.00438	17.61020	273.50158	1.53066	0.1220447	0.27349942	2.3505262	21	2 23.9	19.6
85493 1997 SF_{19}	16.1	X	272.02103	305.74055	337.81924	3.71618	0.1494384	0.27311441	2.3527348	21	2 13.9	19.6
85494 1997 TS	16.2	X	228.12865	29.32069	283.44206	8.30805	0.0470640	0.26760804	2.3848988	21	2 7.6	19.5
85495 1997 TT_5	15.7	X	188.24185	340.96133	55.28880	3.15098	0.2103530	0.27262103	2.3555725	21	4 18.3	19.5
85496 1997 TO_6	15.2	X	46.74790	314.42616	36.66508	8.88750	0.2041072	0.21121530	2.7924525	21	12 30.9	19.3
85497 1997 TP_{11}	15.4	X	148.47238	165.08071	308.63886	0.89745	0.0330956	0.19689285	2.9262814	21	6 10.4	19.5
85498 1997 TQ_{12}	12.9	X	328.22566	180.03314	236.64193	3.84277	0.0615606	0.08167288	5.2611919	21	10 23.9	19.5
85499 1997 TH_{13}	15.8	X	330.23183	357.12600	348.03566	2.95728	0.1940214	0.20340880	2.8634497	21	8 2.7	18.8
85500 1997 TP_{13}	15.8	X	155.49102	42.53356	356.97911	3.57795	0.1961584	0.27021327	2.3695448	21	3 22.8	19.4
85501 1997 TP_{23}	15.9	X	227.95120	44.70552	220.46415	5.79017	0.2086902	0.26353364	2.4094172	21	—	—
85502 1997 TZ_{23}	15.4	X	44.40319	218.57669	221.37141	1.34344	0.0781597	0.17642975	3.1483874	21	—	—
85503 1997 TF_{25}	15.9	X	167.54564	340.31685	53.64830	5.72928	0.1881319	0.27074790	2.3664245	21	3 29.1	19.6
85504 1997 TC_{26}	15.4	X	75.61086	306.61306	43.62710	5.56583	0.2090732	0.25611358	2.4557321	21	—	—
85505 1997 UU_3	15.0	X	258.57430	109.39832	225.63409	24.91416	0.2821005	0.27478477	2.3431906	21	3 21.3	19.4
85506 1997 UU_4	15.6	X	214.07445	307.02537	45.03222	6.31864	0.2837730	0.27107410	2.3645256	21	3 17.6	19.8
85507 1997 UD_5	15.1	X	94.24391	266.76749	181.52132	13.28065	0.1447319	0.22522795	2.6753947	21	3 13.3	18.5
85508 1997 UD_7	15.8	X	62.57505	127.60603	244.14234	6.39180	0.0341604	0.25390775	2.4699343	21	—	—
85509 1997 UY_7	16.1	X	213.93402	92.85565	288.07058	1.03652	0.2171315	0.27344466	2.3508401	21	4 19.2	19.9
85510 1997 UZ_7	15.9	X	100.38670	107.75520	239.32740	14.70769	0.2102940	0.25791252	2.4442996	21	—	—
85511 Celnik	16.2	X	126.71104	239.98329	98.81753	2.38260	0.2045741	0.26075131	2.4265266	21	—	—
85512 Rieugnie	15.3	X	195.87392	4.05850	5.64590	6.67053	0.2008500	0.27095943	2.3651928	21	3 22.1	19.1
85513 1997 UE_{11}	16.3	X	236.27069	154.13138	200.22070	1.61004	0.2229851	0.27389881	2.3482407	21	4 4.8	20.2
85514 1997 UD_{16}	15.6	X	197.20606	285.54183	19.32520	2.74475	0.2068202	0.26482156	2.4015989	21	1 4.6	19.6
85515 1997 UT_{24}	16.1	X	197.40086	101.04650	279.40641	2.20565	0.2430793	0.27179510	2.3603422	21	4 4.7	20.3
85516 Vaclík	16.4	X	226.81009	310.34627	60.29709	5.77109	0.2449797	0.27395201	2.3479367	21	4 18.2	20.3
85517 1997 VL_1	15.3	X	165.62887	49.94006	41.05949	6.61523	0.1516799	0.27370944	2.3493237	21	6 3.9	19.0
85518 1997 VC_3	15.3	X	182.36207	163.67625	236.66986	3.48169	0.3200342	0.22886073	2.6470077	21	4 22.1	20.2
85519 1997 VR_8	15.5	X	285.02691	349.58045	237.00875	8.11367	0.0262843	0.22027351	2.7153628	21	1 9.1	19.3
85520 1997 WO_2	15.2	X	251.51791	293.48735	93.48168	6.68845	0.1661159	0.27631707	2.3345199	21	6 6.2	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85521 1997 WW_2	16.4	X	230.54700	49.21827	328.05683	1.28504	0.2342938	0.27326808	2.3518527	21	4 27.8	20.2
85522 1997 WT_4	16.3	X	118.81801	335.69362	41.47222	3.54745	0.1876541	0.26180303	2.4200236	21	1 13.1	19.2
85523 1997 WM_5	15.1	X	263.39207	185.26540	63.24104	10.37745	0.1706605	0.22070425	2.7118287	21	—	—
85524 1997 WZ_8	15.6	X	304.81339	88.48515	263.87856	3.49152	0.0755081	0.23931322	2.5693598	21	7 14.3	18.8
85525 1997 WJ_{10}	15.7	X	246.90559	131.93380	186.13549	3.76384	0.0772764	0.22690235	2.6622166	21	3 14.3	19.6
85526 1997 WM_{10}	15.4	X	240.87122	137.63736	237.16424	4.85695	0.1747317	0.27595240	2.3365761	21	5 7.9	18.8
85527 1997 WT_{10}	15.9	X	100.42682	342.36929	304.62184	1.05292	0.0420025	0.20759907	2.8247874	21	11 22.3	19.7
85528 1997 WP_{12}	15.8	X	166.99309	53.22901	350.30116	0.85575	0.1815917	0.18680270	3.0307303	21	4 13.1	20.8
85529 1997 WW_{12}	15.8	X	241.41122	92.54025	231.62748	5.93959	0.1384406	0.27063127	2.3671044	21	3 4.4	19.5
85530 1997 WN_{15}	16.4	X	166.81781	243.73132	89.20099	3.08089	0.2194416	0.26290514	2.4132556	21	1 13.2	20.2
85531 1997 WU_{17}	15.2	X	107.66038	17.47425	25.07474	9.60506	0.1287472	0.22076928	2.7112961	21	2 3.4	18.9
85532 1997 WD_{21}	14.3	X	148.59110	160.48629	242.58922	13.49209	0.1522532	0.22361488	2.6882454	21	3 15.9	18.8
85533 1997 WM_{22}	15.8	X	177.36782	247.82037	95.63731	5.57782	0.1422392	0.26362730	2.4088465	21	1 30.5	19.3
85534 1997 WB_{26}	15.6	X	145.70815	65.39912	336.17061	0.68045	0.1897023	0.26687839	2.3892437	21	3 15.5	19.2
85535 1997 WZ_{27}	15.5	X	149.18198	243.76638	31.13195	2.50590	0.1808924	0.25445800	2.4663723	21	—	—
85536 1997 WN_{31}	16.0	X	65.46259	230.73819	174.93691	2.25693	0.2018955	0.25714171	2.4491819	21	—	—
85537 1997 WP_{31}	14.7	X	215.54217	149.51240	234.10111	13.59611	0.0820825	0.23058819	2.6337710	21	4 30.9	18.6
85538 1997 WW_{34}	15.1	X	64.40723	344.44856	98.91654	6.19561	0.1358711	0.21823930	2.7322100	21	1 20.9	18.1
85539 1997 WG_{37}	14.2	X	349.83359	334.74957	231.19291	14.66804	0.0521754	0.22370633	2.6875128	21	2 26.9	18.0
85540 1997 WP_{37}	15.0	X	154.84542	177.53396	212.67441	3.30060	0.1022980	0.22388879	2.6860524	21	3 6.3	19.1
85541 1997 WX_{37}	15.6	X	208.88432	179.10006	151.90948	2.79344	0.2111370	0.26684153	2.3894637	21	2 13.8	19.7
85542 1997 WU_{41}	14.6	X	140.46604	354.75426	83.62041	7.44810	0.1418727	0.22620742	2.6676662	21	4 27.9	18.6
85543 1997 WP_{46}	15.7	X	147.64421	129.65948	277.61804	0.39842	0.2077944	0.22474604	2.6792178	21	3 30.3	19.9
85544 1997 WJ_{50}	15.3	X	82.27340	191.66282	229.14584	7.68405	0.0697462	0.21906636	2.7253289	21	1 9.4	18.8
85545 1997 WL_{55}	14.2	X	117.36793	338.63881	60.86388	18.82495	0.1665127	0.17854104	3.1235180	21	3 1.6	19.2
85546 1997 XH_1	16.0	X	223.52627	349.15629	6.49576	3.04832	0.3204177	0.26980520	2.3719335	21	3 25.2	20.4
85547 1997 XF_{10}	15.7	X	160.25069	47.78340	20.23094	8.14375	0.1869383	0.27332021	2.3515536	21	4 30.6	19.4
85548 1997 XX_{13}	15.8	X	234.68885	329.79145	88.40872	7.34507	0.2444789	0.27807679	2.3246606	21	6 22.9	19.6
85549 1997 YH	15.4	X	64.83166	148.55052	254.14194	7.16282	0.1140719	0.25486525	2.4637443	21	—	—
85550 1997 YW	13.9	X	215.49731	134.36047	270.20753	11.39446	0.1859318	0.22984924	2.6394129	21	5 23.2	18.4
85551 1997 YZ_1	15.6	X	212.34700	352.88723	58.95880	3.19026	0.2155466	0.27266535	2.3553173	21	5 27.7	19.3
85552 1997 YR_7	14.5	X	315.97769	91.66958	299.71054	13.93769	0.1112220	0.23881328	2.5729444	21	9 14.9	17.7
85553 1997 YK_{10}	14.8	X	203.64946	142.21756	325.06021	8.06936	0.1741890	0.23278756	2.6171556	21	8 2.2	19.1
85554 1997 YF_{14}	15.4	X	312.11459	157.07560	294.10259	5.12186	0.1617643	0.24372375	2.5382681	21	12 10.1	17.8
85555 1997 YG_{14}	14.5	X	208.78608	166.18082	301.81928	13.60917	0.0569008	0.23213849	2.6220317	21	8 12.7	18.3
85556 1997 YV_{16}	15.3	X	12.98655	57.92085	324.72094	2.44996	0.1738564	0.24543103	2.5264831	21	12 29.7	18.2
85557 1997 YY_{16}	15.1	X	286.02433	46.74375	354.75394	5.38335	0.1620022	0.28388394	2.2928493	21	8 15.5	17.4
85558 1998 AB_3	14.0	X	85.28016	105.38762	304.61701	9.45068	0.1529012	0.17275299	3.1929025	21	1 23.6	18.2
85559 Villecroze	15.5	X	21.03427	149.04408	101.55765	10.06774	0.0875502	0.22786067	2.6547470	21	6 24.5	18.6
85560 1998 BN	14.1	X	236.36763	115.51841	341.07041	9.93156	0.0611852	0.19150690	2.9808933	21	8 31.5	18.4
85561 1998 BF_2	14.5	X	108.78958	309.62590	117.97686	16.77647	0.2067688	0.21900552	2.7258336	21	3 22.9	18.6
85562 1998 BC_3	16.0	X	154.28560	266.32803	140.58798	3.26953	0.2427778	0.26791685	2.3830658	21	4 5.4	19.9
85563 1998 BF_7	15.8	X	313.21833	260.19992	131.68452	23.80192	0.1209455	0.36323691	1.9454022	21	10 24.8	17.9
85564 1998 BU_7	15.0	X	293.84938	303.75958	79.83221	13.22019	0.2740683	0.23919974	2.5701723	21	7 9.4	18.2
85565 1998 BD_9	15.6	X	167.68753	198.70160	334.53077	6.22264	0.0670847	0.27621741	2.3350814	21	9 23.7	18.7
85566 1998 BM_9	15.2	X	104.90777	72.91631	292.52444	0.85523	0.1986623	0.21004598	2.8028066	21	—	—
85567 1998 BU_9	15.4	X	179.74115	155.28518	98.96626	6.88427	0.0481461	0.21058486	2.7980230	21	—	—
85568 1998 BN_{14}	15.1	X	234.11111	185.75406	291.53729	10.51037	0.1185286	0.23687691	2.5869472	21	9 14.6	19.0
85569 1998 BG_{18}	15.4	X	342.88875	303.27001	108.60109	3.21439	0.0421249	0.19796008	2.9157546	21	11 27.4	19.2
85570 1998 BU_{20}	15.8	X	7.08592	168.01254	120.31703	6.49545	0.1123848	0.23019186	2.6367932	21	7 26.7	18.4
85571 1998 BV_{21}	13.6	X	185.55250	49.59152	296.87416	13.11792	0.3644492	0.17916444	3.1162682	21	2 21.9	19.6
85572 1998 BY_{28}	14.2	X	357.84098	279.73555	312.86938	17.14166	0.1593342	0.17722070	3.1390127	21	4 11.2	18.3
85573 1998 CE	15.3	X	347.44639	70.90417	355.48455	1.93597	0.0409383	0.20382880	2.8595148	21	12 22.4	18.9
85574 1998 CG	15.2	X	240.17346	306.54646	184.94721	5.08591	0.0583167	0.19634112	2.9317608	21	10 20.3	19.3
85575 1998 DC_1	14.5	X	91.76779	133.49563	345.18619	13.06510	0.1615581	0.17734392	3.1375586	21	4 21.5	19.1
85576 1998 DH_1	15.4	X	147.53725	227.08625	328.69622	2.01221	0.1251837	0.19069696	2.9893278	21	9 25.2	20.0
85577 1998 DC_2	13.6	X	60.88003	4.67921	28.67567	4.52083	0.2149623	0.12396459	3.9835563	21	—	—
85578 1998 DP_{13}	15.1	X	75.49350	284.45288	342.01692	28.33600	0.3188363	0.22752701	2.6573417	21	10 18.3	19.9
85579 1998 DQ_{19}	16.0	X	288.91215	257.97237	97.66008	3.17947	0.1017491	0.22648095	2.6655179	21	6 21.4	19.4
85580 1998 DO_{20}	14.0	X	246.69916	94.11359	332.62928	13.94975	0.0330387	0.23044893	2.6348320	21	8 13.1	17.6
85581 1998 DZ_{20}	13.8	X	81.57717	349.41387	336.84550	13.42152	0.1630429	0.24054758	2.5605626	21	—	—
85582 1998 DW_{24}	15.4	X	321.59767	12.42204	294.25390	12.95858	0.1802494	0.22541226	2.6739361	21	5 19.0	18.7
85583 1998 EV_{10}	14.3	X	86.21205	277.76657	129.20856	9.24022	0.2905240	0.21094188	2.7948651	21	2 2.4	17.5
85584 1998 EN_{20}	15.1	X	236.31218	108.11435	356.70460	2.51943	0.0580778	0.19064526	2.9898682	21	9 11.0	19.4
85585 Mjolnir	21.6	X	317.31821	95.43850	2.31385	4.08295	0.3562671	0.66683601	1.2975478	21	—	—
85586 1998 FP_8	15.0	X	318.66323	337.28180	18.82310	13.90866	0.1903245	0.22635151	2.6665339	21	8 2.7	18.1
85587 1998 FE_{14}	14.6	X	62.23005	47.66986	169.60571	13.75160	0.1981021	0.17888720	3.1194871	21	7 27.6	18.9
85588 1998 FA_{15}	14.0	X	313.06237	47.64896	326.43136	14.70024	0.1535630	0.23135664	2.6279357	21	8 18.3	16.7
85589 1998 FE_{25}	14.2	X	31.51558	39.00385	336.08139	13.16851	0.2044920	0.24068807	2.5595660	21	—	—
85590 1998 FC_{39}	15.2	X	133.45598	331.08067	181.42111	15.37722	0.1639272	0.18251286	3.0780363	21	7 20.9	20.4
85591 1998 FR_{46}	13.5	X	276.59518	342.78834	2.94675	27.24206	0.1863264	0.22054571	2.7131281	21	4 27.5	17.9
85592 1998 FN_{47}	14.6	X	337.48437	246.21148	351.66047	9.79618	0.0411704	0.17267273	3.1938919	21	4 4.3	19.1
85593 1998 FD_{57}	15.0	X	107.51541	65.78481	176.98631	3.36123	0.2620260	0.18734632	3.0248646	21	10 24.5	20.0
85594 1998 FT_{60}	15.7	X	206.53046	328.27129	182.94652	5.98948	0.0468273	0.27444171	2.3451429	21	10 15.9	18.6
85595 1998 FB_{71}	14.3	X	230.92846	249.28094	193.52104	11.98471	0.1542241	0.22720900	2.6598207	21	7 26.3	18.6
85596 1998 FU_{77}	14.7	X	84.42878	43.31638	161.39733	9.01621	0.1151714	0.17966169	3.1105157	21	7 28.7	19.1
85597 1998 FF_{82}	14.4	X	112.90295	122.80110	25.43026	12.65285	0.1835701	0.22378477	2.6868847	21	6 29.9	18.7
85598 1998 FZ_{86}	14.4	X	44.80096	69.56931	35.61641	10.14839	0.0223908	0.29411815	2.2393475	21	—	—
85599 1998 FX_{87}	16.0	X	167.32990	86.79637	108.93412	4.86375	0.0863943	0.27603105	2.3361323	21	10 26.9	19.3
85600 1998 FU_{93}	14.7	X	54.13176	166.96705	42.38032	13.86080	0.1245324	0.17848221	3.1242044	21	6 25.2	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85601 1998 FU_{121}	14.6	X	89.23607	52.53839	54.77256	1.55546	0.1549252	0.17221887	3.1995009	21	4 9.8	18.9
85602 1998 FE_{122}	15.6	X	301.17984	244.81776	14.05864	6.13189	0.0647294	0.25449985	2.4661020	21	3 3.4	18.8
85603 1998 FV_{122}	15.3	X	149.63806	35.69038	193.87333	11.77427	0.1390639	0.23263750	2.6182809	21	11 13.5	19.5
85604 1998 FT_{125}	15.1	X	260.23914	232.37362	356.28580	14.78258	0.0985040	0.20366052	2.8610898	21	—	—
85605 1998 FO_{132}	14.3	X	345.19463	234.80402	2.90481	11.19384	0.2204003	0.17200489	3.2021538	21	3 29.2	17.7
85606 1998 FP_{139}	15.3	X	43.84839	121.40805	51.04653	2.42185	0.1355750	0.17267964	3.1938067	21	4 23.8	19.2
85607 1998 FV_{146}	14.8	X	65.09617	2.25958	166.61653	5.62187	0.0906930	0.17520918	3.1629923	21	5 16.7	19.0
85608 1998 GC_{7}	14.8	X	204.06392	75.55502	131.49988	16.55469	0.1481281	0.19523425	2.9428313	21	12 3.8	19.6
85609 1998 HZ_{8}	16.2	X	15.96639	338.36797	66.76476	7.49428	0.1811683	0.28076372	2.3098054	21	—	—
85610 1998 HC_{11}	15.2	X	340.54574	158.15607	76.21737	6.39098	0.0955772	0.16985870	3.2290704	21	4 4.9	19.4
85611 1998 HW_{16}	16.0	X	336.99240	102.31217	171.43717	8.01542	0.0590677	0.25905496	2.4371080	21	5 16.0	18.9
85612 1998 HL_{23}	15.9	X	150.13599	52.39023	187.42868	11.56369	0.1338667	0.23391065	2.6087716	21	11 26.5	20.2
85613 1998 HC_{33}	14.5	X	100.88732	98.05634	19.26404	14.40702	0.1432143	0.17379683	3.1801051	21	4 30.9	19.1
85614 1998 HR_{36}	14.4	X	77.48558	138.04962	29.88867	9.26507	0.1607691	0.17579300	3.1559855	21	6 9.2	18.8
85615 1998 HE_{37}	15.6	X	12.86905	359.83193	231.67261	3.56569	0.1390156	0.25890728	2.4380346	21	5 10.0	17.7
85616 1998 HA_{42}	14.6	X	24.45109	106.79355	182.00313	10.30025	0.1171881	0.18097317	3.0954699	21	8 21.8	18.6
85617 1998 HJ_{86}	16.0	X	333.08966	242.24521	13.70031	0.82576	0.1455368	0.25561616	2.4589168	21	3 30.7	18.6
85618 1998 HM_{102}	15.2	X	182.70547	332.93526	232.33569	12.79005	0.1257772	0.23213197	2.6220808	21	11 14.1	19.1
85619 1998 HQ_{106}	15.5	X	112.81129	154.19750	136.32085	14.01227	0.2595701	0.23264237	2.6182443	21	12 26.6	20.2
85620 1998 HJ_{107}	14.2	X	79.10053	22.77985	121.52676	6.70465	0.1288712	0.17326495	3.1866100	21	5 11.0	18.6
85621 1998 HS_{107}	15.7	X	222.20647	185.45985	102.03062	5.33661	0.1193721	0.24649605	2.5192005	21	1 6.3	19.3
85622 1998 HP_{122}	16.1	X	268.27452	176.60872	124.99259	7.94960	0.1863142	0.29398010	2.2400485	21	2 28.6	19.4
85623 1998 HL_{123}	14.0	X	59.87099	101.06020	65.67752	19.89703	0.1948441	0.17238274	3.1974729	21	5 21.1	17.9
85624 1998 HU_{138}	15.9	X	168.44741	310.71149	159.17469	6.46725	0.1043188	0.26504487	2.4002498	21	7 1.3	19.5
85625 1998 HW_{140}	14.4	X	60.70276	168.04961	72.25940	8.37707	0.2544204	0.18026440	3.1035786	21	9 8.5	18.8
85626 1998 HM_{141}	15.1	X	166.55313	253.93253	183.79767	14.57711	0.0909943	0.25980466	2.4324173	21	5 18.9	18.8
85627 1998 HP_{151}	7.4	X	321.74769	250.62586	56.02072	1.51787	0.0929313	0.00335022	44.2337769	21	6 12.1	23.5
85628 1998 KV_{2}	17.1	X	273.39392	50.58905	66.75080	13.02442	0.3316361	0.49031786	1.5927621	21	—	—
85629 1998 KW_{5}	14.7	X	292.18178	71.04704	227.99257	14.25871	0.1859369	0.17063761	3.2192364	21	4 1.0	19.5
85630 1998 KP_{31}	15.1	X	218.21784	107.02185	106.36485	5.22890	0.1405981	0.23672308	2.5880678	21	12 30.4	18.8
85631 1998 KX_{49}	14.8	X	306.93500	185.86215	103.09812	15.07102	0.1755113	0.21121389	2.7924650	21	4 15.1	18.8
85632 1998 KV_{52}	14.0	X	338.82518	103.70058	176.42956	21.46014	0.1069048	0.17239393	3.1973344	21	5 29.8	18.5
85633 1998 KR_{65}	6.7	X	276.74537	316.23508	101.96276	1.19030	0.0303771	0.00339046	43.8830521	21	8 25.3	23.1
85634 1998 LR_{2}	16.1	X	247.19213	167.35500	137.75421	6.02353	0.2131987	0.28897557	2.2658368	21	2 11.2	19.8
85635 1998 MV_{1}	15.4	X	74.48417	83.47972	232.77894	4.83333	0.1201372	0.18703593	3.0282102	21	12 4.5	19.7
85636 1998 MF_{5}	14.1	X	55.17550	88.14446	304.26052	6.34222	0.1195514	0.18667046	3.0321614	21	—	—
85637 1998 MO_{12}	14.8	X	104.83621	100.86041	142.32308	15.28191	0.1451774	0.18214370	3.0821938	21	10 17.1	19.8
85638 1998 ML_{35}	13.8	X	331.02265	75.93309	293.63822	20.60642	0.0913176	0.17496896	3.1658868	21	8 31.8	18.3
85639 1998 OU	16.0	X	131.56909	196.71227	198.46503	3.02017	0.2264236	0.28134237	2.3066372	21	2 21.8	19.1
85640 1998 OX_{4}	21.1	X	139.93618	117.26823	299.59780	4.51534	0.4856921	0.49613404	1.5802897	21	4 7.4	22.9
85641 1998 OR_{5}	15.7	X	67.38722	183.48605	292.35137	14.13983	0.0558322	0.24308282	2.5427278	21	2 18.1	19.0
85642 1998 OS_{8}	15.6	X	354.45096	44.69019	305.17346	4.13286	0.1848869	0.30295732	2.1955757	21	10 20.9	17.2
85643 1998 OC_{10}	14.2	X	38.34408	106.32598	145.02287	16.37179	0.2443620	0.17194672	3.2028759	21	8 13.6	18.0
85644 1998 OH_{10}	14.6	X	163.29861	259.34587	152.77068	6.22310	0.1973033	0.28593901	2.2818501	21	4 16.4	18.1
85645 1998 OS_{11}	14.7	X	329.70709	26.76791	308.64394	9.51501	0.2143640	0.21266103	2.7797823	21	7 15.8	17.3
85646 1998 OT_{14}	15.0	X	294.92133	35.82136	325.88499	5.07347	0.1947490	0.29646183	2.2275298	21	6 22.2	17.5
85647 1998 PZ	15.8	X	295.72105	358.45356	34.74706	8.32589	0.1623365	0.30129354	2.2036511	21	8 24.6	17.9
85648 1998 PF_{1}	14.3	X	45.64025	330.80539	317.12802	16.82504	0.1880142	0.17509662	3.1643477	21	9 24.7	18.7
85649 1998 QZ_{1}	16.2	X	297.85857	175.08002	187.21744	3.22372	0.2305493	0.29681676	2.2257537	21	6 21.1	18.5
85650 1998 QH_{6}	14.5	X	36.73951	120.83256	203.00127	15.53484	0.1148555	0.17081563	3.2169994	21	10 25.6	18.6
85651 1998 QR_{12}	15.8	X	334.40783	78.87387	298.78170	7.91941	0.2381083	0.25952250	2.4341801	21	10 4.4	17.5
85652 1998 QQ_{13}	14.0	X	115.17684	289.62471	331.76390	15.37605	0.2035322	0.18172710	3.0869025	21	11 10.4	19.4
85653 1998 QN_{16}	15.7	X	159.80954	211.70474	166.22627	7.05067	0.2431778	0.28138595	2.3063990	21	3 2.3	19.3
85654 1998 QU_{17}	14.5	X	344.05064	61.98315	295.33865	5.56095	0.1604924	0.17224232	3.1992104	21	9 12.5	18.3
85655 1998 QS_{18}	15.8	X	29.76380	33.73889	290.58716	3.77080	0.2091979	0.30484458	2.1865046	21	11 22.9	18.1
85656 1998 QX_{18}	15.9	X	349.11028	122.28469	224.39462	4.30168	0.1719903	0.30170663	2.2016392	21	10 1.5	17.4
85657 1998 QJ_{20}	16.3	X	238.91586	126.12649	195.71718	4.55659	0.1474546	0.28643343	2.2792235	21	2 26.1	19.7
85658 1998 QS_{28}	15.7	X	8.24425	20.59984	301.29552	8.83368	0.2065621	0.21580067	2.7527548	21	9 18.6	18.6
85659 1998 QU_{29}	16.3	X	196.55153	187.53066	241.27932	6.36608	0.0224059	0.29331766	2.2434199	21	6 7.9	18.9
85660 1998 QX_{33}	13.7	X	359.42844	33.57733	330.01028	19.89645	0.1334090	0.17452101	3.1713018	21	10 9.8	17.9
85661 1998 QY_{36}	15.6	X	320.97739	132.54236	213.18474	4.74380	0.1690330	0.29782386	2.2207332	21	7 19.7	17.4
85662 1998 QL_{41}	14.8	X	54.32458	71.26286	336.50218	12.19808	0.2756826	0.22709683	2.6606965	21	—	—
85663 1998 QX_{42}	16.0	X	30.24897	100.58072	163.59649	4.80859	0.1548460	0.29826099	2.2185629	21	8 11.3	17.9
85664 1998 QF_{43}	16.1	X	14.37109	0.67297	347.86860	4.78792	0.1673021	0.30447908	2.1882541	21	11 26.3	18.2
85665 1998 QG_{46}	14.3	X	10.96700	203.68701	156.09111	2.50436	0.2031942	0.17461812	3.1701259	21	11 12.9	17.8
85666 1998 QP_{50}	15.6	X	213.85876	10.88890	357.40988	6.70394	0.1155713	0.28704141	2.2760040	21	4 2.9	18.9
85667 1998 QT_{52}	14.4	X	52.45138	82.67287	247.35159	7.39428	0.2221417	0.17679326	3.1440703	21	12 7.7	18.8
85668 1998 QH_{53}	15.5	X	141.72601	80.71667	295.74836	3.55573	0.3083861	0.23390184	2.6088370	21	2 22.9	19.9
85669 1998 QK_{55}	16.6	X	137.84614	198.17014	191.91343	3.80203	0.1253577	0.27682879	2.3316421	21	2 9.3	19.6
85670 1998 QZ_{57}	17.1	X	65.72857	305.37834	345.30074	3.12474	0.1523510	0.30463267	2.1875185	21	11 14.0	19.8
85671 1998 QH_{67}	14.0	X	64.48600	334.11148	312.04872	26.91569	0.1741179	0.17619386	3.1511969	21	10 7.0	19.1
85672 1998 QS_{95}	14.2	X	10.55350	192.68801	191.26927	27.30658	0.1224114	0.17731929	3.1378492	21	12 3.7	18.7
85673 1998 QB_{102}	15.0	X	54.33774	320.95053	147.10586	5.76417	0.1121511	0.27837573	2.3229960	21	1 17.0	17.0
85674 1998 QD_{103}	15.7	X	161.52442	350.49732	45.64502	5.46738	0.1803842	0.28225373	2.3016693	21	3 24.3	19.2
85675 1998 RC_{2}	13.9	X	339.49508	27.16631	1.50567	12.76078	0.1353410	0.17414655	3.1758462	21	10 16.2	17.7
85676 1998 RT_{2}	16.5	X	201.69319	323.72868	200.25461	0.66721	0.1369952	0.26040052	2.4287053	21	10 15.3	19.9
85677 1998 RU_{2}	16.6	X	316.75028	143.00257	334.63798	0.96034	0.1385984	0.26739467	2.3861673	21	—	—
85678 1998 RZ_{7}	15.8	X	284.65622	5.03105	350.92919	5.35137	0.2277977	0.29390843	2.2404127	21	5 22.4	18.8
85679 1998 RA_{15}	15.0	X	44.94313	27.21335	328.36713	1.29194	0.1340550	0.18061119	3.0996045	21	12 17.8	19.2
85680 1998 RS_{21}	15.3	X	80.58068	191.42399	223.49306	1.17834	0.0977040	0.18862526	3.0111761	21	1 11.7	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85681 1998 RR_{25}	15.0	X	227.04579	190.65769	349.21316	14.02204	0.1242567	0.26764498	2.3846793	21	12 3.6	18.4
85682 1998 RJ_{29}	16.1	X	46.86630	232.95976	35.47507	5.70817	0.2178768	0.30167388	2.2017985	21	10 1.7	18.5
85683 1998 RE_{32}	16.1	X	57.31452	175.75727	224.13137	2.64307	0.1872976	0.27031906	2.3689266	21	—	—
85684 1998 RN_{41}	16.0	X	309.60020	3.00687	332.45597	3.91731	0.1902300	0.29523112	2.2337160	21	6 6.1	18.1
85685 1998 RT_{42}	15.9	X	135.80862	238.52131	213.55367	6.98448	0.0670490	0.28653574	2.2786809	21	4 24.3	18.8
85686 1998 RC_{44}	16.2	X	204.53926	207.79919	139.27101	5.36921	0.2024784	0.24019666	2.5630559	21	3 5.4	20.6
85687 1998 RF_{55}	15.5	X	182.08271	57.03601	331.27176	5.98649	0.1269198	0.28408879	2.2917469	21	3 26.6	19.0
85688 1998 RN_{55}	16.0	X	341.74661	98.11380	249.72524	3.36829	0.1715979	0.29942530	2.2128080	21	9 13.4	17.3
85689 1998 RT_{55}	15.2	X	315.14058	120.28308	254.79071	3.36602	0.0838618	0.21197681	2.7857607	21	8 27.9	18.6
85690 1998 RG_{56}	16.3	X	69.92871	85.70311	304.50775	2.53637	0.2310837	0.26996076	2.3710222	21	—	—
85691 1998 RH_{57}	15.7	X	166.98602	303.04510	1.61976	3.10798	0.1661299	0.23153533	2.6265835	21	—	—
85692 1998 RQ_{57}	14.9	X	59.96545	140.28799	168.81808	17.40845	0.1315228	0.21895845	2.7262242	21	11 19.3	19.0
85693 1998 RK_{59}	15.6	X	223.63960	183.45729	195.30379	4.79441	0.1507049	0.28802993	2.2707935	21	4 27.6	18.8
85694 1998 RK_{60}	14.6	X	344.96815	90.40363	345.92622	12.36561	0.0322406	0.22270119	2.6955933	21	—	—
85695 1998 RE_{61}	16.5	X	260.90860	224.38758	193.97836	11.37362	0.1698412	0.25222979	2.4808764	21	7 26.9	20.1
85696 1998 RU_{62}	15.6	X	330.45767	220.80655	19.84980	5.93245	0.1512367	0.28683093	2.2771173	21	2 28.3	18.0
85697 1998 RG_{68}	15.8	X	335.18186	318.63847	350.34799	4.94120	0.1955492	0.29522765	2.2337335	21	6 14.8	17.6
85698 1998 RB_{69}	15.5	X	192.06083	17.42972	4.63691	2.14776	0.1391725	0.28434998	2.2903433	21	3 31.1	18.8
85699 1998 RX_{69}	16.3	X	36.17377	267.48971	142.98590	2.74883	0.1983776	0.26783018	2.3835799	21	—	—
85700 1998 RT_{70}	15.2	X	358.52539	261.97349	118.48005	5.86582	0.0158874	0.21842851	2.7306320	21	11 12.4	18.8
85701 1998 RV_{73}	14.8	X	125.29618	219.67642	280.46891	3.94881	0.1086174	0.24578969	2.5240248	21	6 24.1	18.4
85702 1998 RA_{74}	16.0	X	274.54657	18.71998	332.13545	7.60537	0.1480141	0.29108956	2.2548533	21	5 12.7	19.1
85703 1998 RC_{75}	14.4	X	32.13715	39.18970	6.09556	11.91867	0.1273242	0.18028189	3.1033777	21	—	—
85704 1998 SV_{19}	16.5	X	178.86296	75.57396	332.31060	2.40220	0.1655958	0.24353097	2.5396074	21	4 23.7	20.6
85705 1998 SO_{21}	16.1	X	29.74501	313.65853	345.75298	2.51889	0.2064087	0.29964823	2.2117103	21	10 15.6	18.1
85706 1998 SB_{27}	16.4	X	351.36862	307.85775	40.06691	1.34112	0.1946341	0.30016336	2.2091791	21	10 13.6	17.4
85707 1998 SU_{33}	15.4	X	325.65154	232.82179	359.60965	25.90633	0.2401532	0.28549660	2.2842068	21	2 6.7	18.8
85708 1998 SL_{35}	15.6	X	200.30363	245.53838	164.40741	4.99868	0.1694555	0.28873715	2.2670840	21	5 16.3	19.1
85709 1998 SG_{36}	15.9	X	61.92886	29.75990	186.58517	24.83653	0.3374242	0.46666486	1.6461370	21	9 2.9	17.7
85710 1998 SP_{38}	16.0	X	137.85004	68.15570	353.80369	11.05307	0.1803403	0.23887383	2.5725096	21	4 1.9	19.9
85711 1998 SP_{43}	15.8	X	228.50424	292.78467	357.77833	6.64147	0.1833563	0.28090151	2.3090500	21	1 11.6	19.6
85712 1998 SA_{45}	16.4	X	357.58786	199.64801	18.90641	1.20990	0.0984353	0.28564232	2.2834299	21	3 19.4	18.4
85713 1998 SS_{49}	15.6	X	156.75159	102.69798	41.29933	10.75923	0.6390775	0.36894124	1.9252978	21	8 19.2	20.2
85714 1998 SU_{49}	15.3	X	117.76404	273.86686	193.01337	26.35193	0.1545905	0.23929937	2.5694589	21	5 9.3	19.3
85715 1998 SB_{54}	15.7	X	180.15341	166.32523	227.27786	2.80536	0.1395299	0.28431317	2.2905409	21	4 2.5	19.1
85716 1998 SG_{56}	13.1	X	46.23339	338.83552	346.51888	12.25107	0.0099592	0.17465161	3.1697207	21	10 20.9	17.8
85717 1998 SY_{56}	14.8	X	43.80467	298.73621	154.82894	5.25075	0.1638377	0.27408876	2.3471557	21	—	—
85718 1998 SG_{58}	15.8	X	184.16420	302.64925	3.46310	6.75461	0.1236184	0.27612442	2.3356056	21	—	—
85719 1998 SV_{59}	15.6	X	71.82612	304.65383	102.38799	3.36793	0.2091597	0.22817229	2.6523294	21	—	—
85720 1998 SK_{60}	15.4	X	203.68305	351.07508	12.14110	5.73157	0.3143847	0.24082144	2.5586210	21	3 23.7	20.2
85721 1998 SL_{63}	15.8	X	315.91328	26.99799	324.53346	6.75240	0.1684495	0.29699975	2.2248394	21	7 21.6	17.6
85722 1998 SX_{63}	15.0	X	49.69438	356.19565	72.16868	5.75858	0.1549214	0.18378992	3.0637613	21	—	—
85723 1998 SH_{67}	15.9	X	170.50665	147.18660	169.09326	5.84404	0.1734955	0.27432939	2.3457830	21	—	—
85724 1998 SN_{68}	15.8	X	124.27412	152.91932	271.74084	7.83322	0.2316256	0.23727669	2.5840406	21	3 26.6	19.9
85725 1998 SV_{68}	15.8	X	336.89500	142.23853	265.27214	5.72449	0.1017401	0.26314825	2.4117691	21	11 28.6	18.3
85726 1998 SF_{71}	16.6	X	8.74696	15.79043	296.12327	2.05438	0.1471876	0.29769849	2.2213567	21	9 13.8	18.2
85727 1998 SC_{75}	15.8	X	226.68169	206.29323	59.04849	6.50285	0.2123724	0.27593945	2.3366492	21	—	—
85728 1998 SR_{75}	17.7	X	103.41788	168.51741	193.64569	2.36934	0.1572471	0.31543598	2.1372823	21	—	—
85729 1998 SV_{76}	15.2	X	39.35682	68.69665	275.61161	5.28795	0.0698780	0.21981805	2.7191123	21	11 24.7	18.7
85730 1998 SQ_{77}	16.1	X	20.59209	310.17452	42.82967	3.71645	0.2158858	0.30518474	2.1848796	21	12 22.3	18.3
85731 1998 SP_{80}	15.7	X	215.52223	128.34009	243.74791	4.59484	0.1817373	0.28644295	2.2791730	21	4 8.0	19.3
85732 1998 SJ_{82}	14.6	X	30.59551	223.04838	204.94159	7.73649	0.0436400	0.18403787	3.0610089	21	—	—
85733 1998 ST_{90}	15.7	X	210.00072	219.75912	16.20631	3.14031	0.0586123	0.22704431	2.6611067	21	—	—
85734 1998 SK_{92}	15.8	X	200.85966	143.54019	224.52214	2.55500	0.1695166	0.28392388	2.2926342	21	3 21.5	19.4
85735 1998 SF_{95}	15.4	X	27.77232	222.55024	47.11752	6.32447	0.1673910	0.29759268	2.2218832	21	8 22.5	17.3
85736 1998 SW_{96}	14.7	X	306.68294	55.70057	13.71544	11.91976	0.1624472	0.21582327	2.7525626	21	10 19.9	17.7
85737 1998 SE_{98}	16.2	X	336.58348	200.38909	179.90681	6.02183	0.1228194	0.25813913	2.4428689	21	10 20.1	18.5
85738 1998 SZ_{103}	15.9	X	146.47400	359.80472	31.67859	5.45520	0.1242272	0.27980525	2.3150772	21	2 24.7	19.1
85739 1998 SF_{105}	16.2	X	129.67164	266.33197	74.33208	3.59353	0.1811044	0.27312524	2.3526726	21	—	—
85740 1998 SO_{106}	16.2	X	323.76312	167.22450	178.38125	5.33918	0.2047169	0.29682189	2.2257280	21	7 20.4	17.8
85741 1998 SL_{107}	15.6	X	124.93388	33.59511	7.20291	6.52510	0.0834292	0.27778692	2.3262775	21	2 4.1	18.5
85742 1998 SM_{111}	15.7	X	344.82385	355.03865	187.51416	6.48301	0.0670916	0.27820149	2.3239659	21	1 10.9	18.5
85743 1998 SU_{113}	16.1	X	13.07651	1.83701	42.37753	5.50264	0.1761466	0.26429826	2.4047680	21	—	—
85744 1998 SG_{117}	15.6	X	359.51297	60.59405	267.88739	3.09296	0.2241546	0.29941389	2.2128641	21	10 1.1	16.9
85745 1998 SH_{127}	15.4	X	103.40505	1.24352	34.17838	12.08702	0.1832524	0.23077206	2.6323718	21	1 25.6	18.9
85746 1998 SP_{130}	15.8	X	252.53861	142.73916	205.73693	5.65951	0.1378383	0.28771959	2.2724261	21	4 17.9	18.8
85747 1998 SL_{132}	15.9	X	325.29813	345.48875	336.35482	4.95730	0.1727214	0.29395324	2.2401850	21	6 18.8	17.8
85748 1998 SK_{138}	16.2	X	77.27392	8.60170	17.15755	2.67879	0.2176336	0.26959513	2.3731655	21	—	—
85749 1998 SH_{140}	16.0	X	201.57873	47.85378	333.55441	3.60051	0.1872855	0.24098630	2.5574539	21	4 10.9	20.3
85750 1998 SE_{141}	15.3	X	161.38189	213.78702	199.12166	13.02171	0.1732568	0.23885924	2.5726144	21	4 15.9	19.5
85751 1998 SU_{144}	16.1	X	147.09765	329.54388	30.63005	3.67835	0.1558802	0.27568097	2.3381096	21	1 18.8	19.2
85752 1998 SC_{153}	15.9	X	77.26242	112.89873	308.98284	1.70862	0.1852800	0.27339754	2.3511102	21	1 1.1	17.7
85753 1998 SV_{153}	16.2	X	248.04731	104.75157	135.99900	5.81580	0.0661502	0.27528679	2.3403410	21	—	—
85754 1998 SJ_{156}	14.5	X	306.68541	33.35586	13.72016	3.29551	0.1509940	0.16857310	3.2454671	21	9 16.6	18.4
85755 1998 SK_{156}	15.3	X	303.65449	28.23435	14.75582	4.00949	0.1049651	0.21230834	2.7828599	21	9 17.4	18.6
85756 1998 SD_{157}	14.9	X	280.81125	340.62588	20.00645	1.98828	0.0957483	0.20568716	2.8422652	21	6 18.3	18.7
85757 1998 SN_{157}	15.6	X	117.52904	224.85501	231.23054	5.00631	0.0478877	0.24044245	2.5613089	21	4 6.3	18.9
85758 1998 SK_{160}	15.6	X	192.93159	191.60796	70.82998	6.39949	0.1091654	0.27101138	2.3648905	21	—	—
85759 1998 ST_{161}	15.7	X	75.81015	164.29675	165.16595	6.68306	0.1844754	0.26514238	2.3996613	21	—	—
85760 1998 SG_{170}	15.8	X	210.36213	51.76470	222.13024	10.57270	0.1299616	0.27535012	2.3399821	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85761 1998 SC_{171}	16.3	X	190.41526	176.70638	221.72646	4.10154	0.0996940	0.28651415	2.2787954	21	4 18.5	19.4
85762 1998 TH_{4}	16.6	X	77.02116	90.78558	213.26248	4.40322	0.2812175	0.30672110	2.1775775	21	12 25.7	20.1
85763 1998 TP_{7}	16.1	X	233.54799	51.48125	195.73080	3.77690	0.1186049	0.27406232	2.3473066	21	—	—
85764 1998 TT_{12}	14.8	X	94.38666	205.22822	86.51787	0.19845	0.1837913	0.17453854	3.1710894	21	11 30.4	19.9
85765 1998 TM_{14}	15.1	X	334.55826	73.60099	130.03159	0.19683	0.1915453	0.23644683	2.5900832	21	1 16.7	18.0
85766 1998 TQ_{15}	16.1	X	164.66805	316.68390	250.83141	3.78944	0.0345064	0.25823649	2.4422548	21	11 4.8	19.3
85767 1998 TG_{28}	14.4	X	26.49590	67.24373	27.17630	12.38956	0.0742321	0.18346875	3.0673357	21	—	—
85768 1998 TV_{29}	15.6	X	326.85679	72.45524	220.05621	6.79146	0.1531951	0.28944406	2.2633912	21	5 8.5	17.5
85769 1998 UB	15.3	X	112.28298	171.52416	235.90935	24.31006	0.1860978	0.27697384	2.3308279	21	1 29.7	18.7
85770 1998 UP_{1}	20.5	X	10.59733	234.23682	18.33797	33.17873	0.3451672	0.98843392	0.9980929	21	10 27.2	20.3
85771 1998 UR_{4}	15.3	X	77.73886	226.98081	165.69361	13.09400	0.1635354	0.23054760	2.6340801	21	—	—
85772 1998 UN_{6}	16.4	X	295.75603	286.41811	46.84879	7.60721	0.1747697	0.29089128	2.2558778	21	5 14.5	19.1
85773 Gutbezahl	15.1	X	341.88117	117.65694	290.01936	5.52807	0.1246756	0.25890411	2.4380545	21	12 8.4	17.5
85774 1998 UT_{18}	19.1	X	186.93510	50.12899	64.64756	13.58677	0.3289688	0.59301930	1.4031050	21	8 2.9	21.0
85775 1998 UY_{20}	15.9	X	326.64967	46.53021	34.16431	1.74352	0.1446845	0.26010471	2.4305463	21	12 30.1	18.1
85776 1998 UM_{37}	16.0	X	327.25338	281.60597	153.25165	1.74029	0.1563780	0.26079273	2.4262696	21	12 23.3	17.9
85777 1998 UM_{41}	16.0	X	6.30789	255.69463	69.33046	6.66134	0.2098472	0.29947824	2.2125472	21	10 15.7	17.6
85778 1998 UZ_{42}	16.6	X	305.25431	55.53222	358.01282	1.81607	0.1974928	0.25539172	2.4603573	21	9 28.4	18.7
85779 1998 UO_{43}	16.0	X	112.23647	342.51294	42.08148	7.31007	0.1268839	0.27374953	2.3490943	21	—	—
85780 1998 VK_{2}	15.6	X	332.50097	356.35384	30.77604	3.45874	0.1781408	0.21243012	2.7817963	21	10 11.2	18.3
85781 1998 VP_{2}	15.1	X	290.30784	198.27174	233.58622	6.95525	0.1869021	0.25424026	2.4677803	21	9 25.6	17.7
85782 1998 VZ_{2}	14.8	X	254.47650	63.90613	232.80019	9.42287	0.0605077	0.19163179	2.9795980	21	2 26.9	19.3
85783 1998 VT_{3}	16.0	X	50.72073	294.55704	51.26370	3.22501	0.2143283	0.26198253	2.4189181	21	—	—
85784 1998 VV_{3}	15.0	X	317.15613	272.06190	229.87624	8.01124	0.1469593	0.17820154	3.1274839	21	—	—
85785 1998 VV_{11}	15.1	X	180.74173	189.36579	200.10536	13.43467	0.2342584	0.19572731	2.9378871	21	4 8.9	20.1
85786 1998 VY_{12}	15.0	X	66.67822	335.45794	46.74408	13.70201	0.1715247	0.22407486	2.6845652	21	—	—
85787 1998 VU_{14}	15.8	X	122.46398	141.88343	238.88219	5.82065	0.1387305	0.27387753	2.3483624	21	1 10.5	18.6
85788 1998 VA_{17}	15.8	X	149.10296	287.42972	68.75353	8.02754	0.1305660	0.27479199	2.3431495	21	1 12.6	18.9
85789 1998 VK_{17}	15.9	X	309.98382	16.05872	58.17691	3.32316	0.1441377	0.25788984	2.4444429	21	11 15.9	18.0
85790 1998 VX_{17}	15.6	X	284.52807	134.21647	314.50834	1.70675	0.1608841	0.25590252	2.4570821	21	10 16.8	18.1
85791 1998 VS_{18}	15.1	X	1.40502	89.19469	280.22700	3.69874	0.1700802	0.21479064	2.7613777	21	11 12.1	17.9
85792 1998 VK_{20}	15.5	X	153.86948	346.37463	77.93967	4.23616	0.0807843	0.23839774	2.5759334	21	4 16.9	19.1
85793 1998 VG_{26}	14.9	X	70.37875	26.81214	26.44075	3.87487	0.1622082	0.18355761	3.0663458	21	1 4.3	18.6
85794 1998 VA_{34}	15.9	X	103.52488	39.55846	77.79988	5.47088	0.1566626	0.23533368	2.5982444	21	5 6.1	19.3
85795 1998 VO_{37}	15.6	X	158.75408	338.37757	31.20391	7.84586	0.1229894	0.27698022	2.3307921	21	2 11.5	18.9
85796 1998 VD_{43}	15.5	X	89.78267	264.39392	66.16967	1.97086	0.1439923	0.17780087	3.1321806	21	—	—
85797 1998 VD_{49}	15.4	X	43.88359	303.86297	110.29167	3.31826	0.1829834	0.26685085	2.3894081	21	—	—
85798 1998 VA_{50}	11.9	X	358.61015	146.34885	227.32434	32.08433	0.0645194	0.08400522	5.1633535	21	10 13.1	18.6
85799 1998 VV_{50}	16.1	X	47.85896	309.77087	103.53331	5.12727	0.1630373	0.31060689	2.1593779	21	—	—
85800 1998 VE_{53}	14.5	X	93.65550	138.98947	298.56156	12.48573	0.1243200	0.23224476	2.6212318	21	2 18.4	17.9
85801 1998 VL_{54}	15.3	X	175.11348	85.06371	294.00427	10.61043	0.1791168	0.23607676	2.5927893	21	3 12.4	19.7
85802 1998 VK_{55}	15.7	X	327.10464	1.69273	237.07508	2.00999	0.0788090	0.23642118	2.5902705	21	3 9.8	18.9
85803 1998 WS_{4}	15.1	X	114.20575	260.51929	212.32851	25.67667	0.3164577	0.23418333	2.6067461	21	5 29.8	19.6
85804 1998 WQ_{5}	15.4	X	267.59037	269.75462	285.74917	27.66375	0.3544063	0.43652083	1.7210734	21	—	—
85805 1998 WS_{6}	16.1	X	70.16746	230.64457	158.44390	0.46881	0.1437914	0.26714174	2.3876732	21	—	—
85806 1998 WG_{8}	14.9	X	284.11975	161.21406	290.60517	6.74799	0.1165073	0.29653018	2.2271875	21	11 2.6	17.1
85807 1998 WR_{10}	11.9	X	310.54305	205.15752	237.84940	26.47755	0.0885167	0.08351603	5.1834968	21	10 28.3	18.6
85808 1998 WF_{12}	15.5	X	15.34386	172.70324	229.14035	5.69739	0.1250253	0.26192395	2.4192787	21	—	—
85809 1998 WU_{12}	14.9	X	27.96947	310.33791	35.57096	9.72703	0.2094081	0.21540170	2.7561528	21	11 30.0	18.4
85810 1998 WV_{14}	16.1	X	26.40739	327.31030	79.19745	4.41619	0.1459231	0.30717719	2.1754215	21	—	—
85811 1998 WD_{17}	15.8	X	358.60485	1.93882	63.93674	4.81943	0.1710654	0.26180900	2.4199869	21	—	—
85812 1998 WR_{22}	15.3	X	251.83977	235.66270	190.06342	1.81612	0.1918234	0.20511096	2.8475857	21	7 24.4	19.7
85813 1998 WY_{26}	16.1	X	88.94250	275.22862	268.74318	3.08127	0.1247223	0.23716884	2.5848239	21	7 10.5	19.5
85814 1998 WF_{31}	14.6	X	80.96016	59.99030	88.45508	23.76585	0.2462672	0.28113659	2.3077626	21	6 1.8	17.4
85815 1998 WX_{41}	16.1	X	4.85727	332.19899	52.48543	2.21386	0.1872370	0.25907169	2.4370031	21	12 25.3	18.5
85816 1998 XG	16.0	X	242.07464	201.47018	153.77247	4.77428	0.1836203	0.28448310	2.2896287	21	4 14.3	19.6
85817 1998 XB_{1}	16.2	X	325.04448	256.60987	186.06053	0.94145	0.1552842	0.25971742	2.4329620	21	12 29.9	18.4
85818 1998 XM_{4}	15.4	X	111.76838	301.25719	235.65215	62.71048	0.4163159	0.46223249	1.6566435	21	7 28.5	19.8
85819 1998 XF_{9}	16.2	X	24.17030	112.68594	259.09129	5.84922	0.2006278	0.30324679	2.1941783	21	—	—
85820 1998 XP_{9}	14.5	X	65.36443	48.48472	69.45639	11.53382	0.0848361	0.18777028	3.0203097	21	3 15.6	18.6
85821 1998 XQ_{10}	14.5	X	59.33262	156.53264	293.92887	4.78934	0.0539981	0.26624156	2.3930521	21	1 2.8	17.2
85822 1998 XC_{17}	12.5	X	342.93078	325.39461	86.91069	11.31622	0.1280236	0.08361918	5.1792330	21	11 9.3	18.8
85823 1998 XM_{19}	15.1	X	49.54325	42.77009	81.32445	3.12840	0.1191927	0.18696304	3.0289972	21	2 26.2	18.7
85824 1998 XV_{20}	15.6	X	177.95237	284.97586	237.14497	1.24945	0.0875436	0.24598453	2.5226917	21	9 18.6	19.3
85825 1998 XL_{24}	15.3	X	306.29445	128.00430	105.49996	7.83438	0.0743654	0.26989577	2.3714028	21	1 29.9	18.3
85826 1998 XA_{40}	14.4	X	50.57202	77.51823	25.97028	10.44963	0.1599200	0.18271951	3.0757151	21	2 8.8	18.1
85827 1998 XA_{47}	15.0	X	194.35080	163.59672	287.37270	4.31314	0.1564620	0.28569599	2.2831439	21	7 3.3	18.5
85828 1998 XN_{53}	15.2	X	218.18405	149.10012	304.68089	5.91213	0.1247270	0.28879320	2.2667906	21	8 3.3	18.4
85829 1998 XW_{56}	15.8	X	28.28150	188.32837	189.63059	0.75619	0.2021135	0.26032360	2.4291837	21	—	—
85830 1998 XB_{59}	15.8	X	140.87975	277.65813	140.49785	3.36599	0.1981006	0.23354167	2.6115187	21	4 6.3	19.8
85831 1998 XL_{64}	15.4	X	124.76079	12.98654	65.66657	5.73596	0.1289540	0.23453255	2.6041578	21	4 8.3	19.0
85832 1998 XR_{64}	15.4	X	327.86923	59.66008	348.98802	1.95676	0.1902178	0.25626263	2.4547798	21	11 12.7	17.1
85833 1998 XD_{68}	14.2	X	2.31039	274.76901	66.89060	15.48491	0.1756371	0.20995813	2.8035884	21	10 14.8	17.4
85834 1998 XM_{74}	14.9	X	320.20821	72.57651	94.90174	3.14555	0.1447643	0.26384177	2.4075409	21	—	—
85835 1998 XB_{81}	16.3	X	141.14421	266.60513	95.78144	3.30195	0.1553047	0.31539163	2.1374827	21	1 4.6	18.7
85836 1998 YF_{2}	15.1	X	350.90176	9.06177	106.99178	2.31155	0.1452564	0.26120935	2.4236890	21	—	—
85837 1998 YM_{2}	15.3	X	330.52466	108.94346	313.06756	5.39610	0.0832010	0.29641674	2.2277557	21	12 16.9	17.4
85838 1998 YU_{2}	15.4	X	311.94416	279.91902	324.55827	5.87297	0.0798257	0.26985595	2.3716361	21	2 19.0	18.2
85839 1998 YO_{4}	16.5	X	75.55959	199.59652	28.53169	9.32200	0.2480681	0.46340686	1.6538435	21	10 1.5	18.1
85840 1998 YR_{4}	14.9	X	76.44437	106.51301	45.10304	11.00792	0.0294315	0.18985918	2.9981152	21	4 29.4	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85841 1998 YR_6	16.2	X	106.42431	26.44592	76.05815	4.56384	0.1686794	0.23177847	2.6247462	21	4 22.4	19.8
85842 1998 YK_7	15.2	X	118.06709	32.00173	81.64242	6.00313	0.1247586	0.23328189	2.6134571	21	5 14.5	18.9
85843 1998 YT_9	15.6	X	313.80517	313.87740	114.41605	6.07852	0.1494026	0.29704339	2.2246215	21	11 27.6	17.3
85844 1998 YN_{16}	15.0	X	97.31751	208.99385	291.48705	6.78917	0.1482792	0.18890000	3.0082557	21	5 28.2	19.3
85845 1998 YP_{16}	16.0	X	199.03877	223.12737	122.49189	6.19183	0.2342008	0.27326785	2.3518540	21	2 24.9	20.1
85846 1998 YP_{20}	15.9	X	251.74748	250.22494	100.56887	7.49894	0.1382926	0.28027042	2.3125149	21	4 24.2	19.3
85847 1998 YA_{28}	15.0	X	174.32586	236.74055	137.74317	14.14091	0.1670577	0.23397329	2.6083059	21	3 14.2	19.3
85848 1998 YP_{29}	17.1	X	47.06277	55.23428	302.70917	6.86096	0.2786136	0.30223538	2.1990706	21	—	—
85849 1999 AW	15.0	X	74.66726	32.02514	83.44672	6.14451	0.1598658	0.27235460	2.3571085	21	3 19.1	17.4
85850 1999 AR_2	14.7	X	3.90208	54.96791	49.48582	5.69280	0.1293808	0.26067921	2.4269740	21	—	—
85851 1999 AS_4	14.5	X	295.28501	25.64660	112.43248	12.63838	0.1111810	0.25650522	2.4532317	21	—	—
85852 1999 AA_5	15.0	X	134.92344	298.09623	113.74055	12.94857	0.2286985	0.22943891	2.6425589	21	3 31.8	19.4
85853 1999 AB_{12}	14.9	X	299.90971	227.49590	297.26392	16.25791	0.0936987	0.21651915	2.7466617	21	—	—
85854 1999 AE_{13}	15.1	X	146.63924	168.57810	289.45927	6.36897	0.1770388	0.23528510	2.5986020	21	5 28.3	19.2
85855 1999 AN_{15}	15.4	X	41.26275	217.97109	315.01857	1.78108	0.0867203	0.27399668	2.3476815	21	3 30.9	17.7
85856 1999 AT_{19}	15.6	X	320.13334	36.34044	318.59316	5.01090	0.1872062	0.28694977	2.2764885	21	8 1.6	17.3
85857 1999 AK_{24}	15.1	X	258.83715	288.41559	278.14070	10.08539	0.1246853	0.26016765	2.4301543	21	—	—
85858 1999 AJ_{26}	15.3	X	242.76525	88.13047	111.05924	5.36454	0.1474558	0.25829986	2.4418554	21	—	—
85859 1999 AY_{27}	17.4	X	262.57617	147.10237	205.52345	0.78503	0.1613077	0.28060388	2.3106825	21	5 2.8	20.6
85860 1999 AY_{28}	16.1	X	64.50845	300.66889	279.64615	0.72507	0.0859791	0.23720823	2.5845377	21	7 20.8	19.3
85861 1999 AJ_{33}	15.0	X	116.93608	351.97508	119.15210	6.93423	0.0543989	0.27659616	2.3329492	21	4 28.2	18.0
85862 1999 AF_{34}	14.7	X	255.15745	105.52315	349.94363	2.76650	0.1010753	0.29015785	2.2596777	21	9 25.9	17.2
85863 1999 BG	15.1	X	324.35616	194.68148	324.97922	6.58437	0.0582981	0.26251456	2.4156488	21	—	—
85864 1999 BJ_7	16.0	X	96.31566	247.82452	90.23664	2.45273	0.1974746	0.25986790	2.4320227	21	—	—
85865 1999 BW_8	15.1	X	219.31125	284.13646	141.51741	13.19939	0.1452785	0.23981811	2.5657523	21	6 26.2	19.2
85866 1999 BV_9	15.4	X	46.32815	191.73443	288.95665	7.69235	0.1517937	0.22472812	2.6793602	21	2 5.6	18.1
85867 1999 BY_9	18.1	X	346.45192	287.39155	254.38801	0.94381	0.3023082	0.39810380	1.8300874	21	—	—
85868 1999 BZ_9	15.4	X	194.61363	97.99619	36.08393	0.97265	0.0441537	0.24306406	2.5428586	21	9 4.1	18.7
85869 1999 BK_{10}	15.2	X	193.39742	114.20636	324.66792	6.27761	0.0724753	0.28118222	2.3075129	21	6 17.5	18.4
85870 1999 BF_{18}	14.8	X	47.97495	199.94320	314.92959	12.51965	0.1647361	0.22950723	2.6420344	21	3 24.5	17.8
85871 1999 BN_{30}	15.1	X	124.28636	25.05474	113.18199	7.43424	0.1416842	0.23632572	2.5909681	21	6 24.2	19.0
85872 1999 BH_{31}	15.6	X	9.40776	227.42407	321.42185	3.95118	0.1535463	0.22706647	2.6609337	21	3 3.3	18.3
85873 1999 CE_1	15.4	X	130.10398	92.03977	97.21880	4.78647	0.0642806	0.28605261	2.2812459	21	9 5.1	18.4
85874 1999 CJ_4	15.4	X	312.36848	316.45930	108.51867	7.01018	0.1201685	0.29287437	2.2456831	21	11 19.5	17.4
85875 1999 CR_5	14.4	X	71.00806	110.61151	14.95951	9.37060	0.0959243	0.22536181	2.6743351	21	3 23.9	17.6
85876 1999 CQ_7	14.4	X	314.66526	31.02985	338.99276	22.80392	0.1815635	0.28693781	2.2765518	21	8 20.9	16.3
85877 1999 CD_8	15.9	X	148.46631	112.75149	314.16165	7.12076	0.0876865	0.27354025	2.3502924	21	4 5.5	19.3
85878 Guzik	16.0	X	150.30742	282.28925	143.29111	6.66981	0.1182745	0.27560339	2.3385483	21	4 15.6	19.3
85879 1999 CO_{10}	15.3	X	129.09567	176.90469	307.41425	23.93909	0.0826783	0.27915175	2.3186889	21	6 2.4	18.9
85880 1999 CL_{14}	15.6	X	329.45841	206.61118	337.04215	2.36568	0.1069389	0.21948416	2.7218693	21	1 1.2	19.1
85881 1999 CC_{19}	14.9	X	12.90761	14.62817	114.25414	13.24610	0.1272434	0.26541262	2.3980321	21	—	—
85882 1999 CA_{25}	15.4	X	216.24563	323.03426	100.91386	12.09921	0.1629505	0.28373127	2.2936717	21	6 19.0	18.8
85883 1999 CS_{27}	14.6	X	95.76261	128.63401	96.17800	16.66974	0.0772700	0.24126028	2.5555174	21	9 14.6	18.5
85884 1999 CO_{28}	15.5	X	107.45886	105.56872	41.90823	2.68455	0.1286325	0.23404690	2.6077590	21	6 15.1	19.0
85885 1999 CS_{30}	15.0	X	178.47909	294.84532	338.68033	7.32964	0.0786619	0.25708886	2.4495175	21	—	—
85886 1999 CN_{35}	15.1	X	115.66848	354.35591	115.77563	14.65956	0.2225851	0.23169985	2.6253400	21	5 22.7	19.3
85887 1999 CE_{36}	15.2	X	37.02237	39.67090	99.28334	9.68873	0.1472925	0.26830218	2.3807836	21	2 4.7	17.4
85888 1999 CG_{40}	14.5	X	283.93262	260.18858	355.64390	12.49104	0.1557691	0.22250136	2.6972069	21	2 2.6	18.7
85889 1999 CH_{40}	14.4	X	147.54114	38.43370	112.73252	13.85006	0.1179890	0.23863462	2.5742284	21	8 4.2	18.3
85890 1999 CA_{45}	15.3	X	356.62828	280.78331	111.92063	7.55739	0.1466580	0.29552090	2.2322556	21	12 27.2	17.3
85891 1999 CH_{45}	15.2	X	35.65064	33.05767	135.72971	12.72119	0.1361086	0.22641086	2.6660680	21	3 31.8	18.2
85892 1999 CH_{47}	15.5	X	93.94000	98.78131	137.41121	12.00602	0.2346602	0.23860865	2.5744152	21	10 11.1	19.7
85893 1999 CE_{48}	15.4	X	175.23770	113.18571	75.27594	0.48849	0.0918367	0.24543501	2.5264558	21	10 20.1	19.1
85894 1999 CH_{48}	15.7	X	325.00577	194.85928	356.06640	3.50481	0.1419170	0.21954106	2.7213989	21	—	—
85895 1999 CS_{48}	14.6	X	248.14757	307.62373	138.36040	15.02706	0.1501467	0.24390948	2.5369793	21	8 24.1	18.0
85896 1999 CJ_{49}	14.9	X	66.22871	57.88071	43.78045	5.66654	0.1963922	0.22420276	2.6835441	21	2 26.7	17.7
85897 1999 CA_{50}	15.1	X	44.58922	107.86694	358.80182	10.40064	0.0178252	0.26431499	2.4046665	21	1 5.1	18.3
85898 1999 CS_{51}	14.9	X	40.91869	112.20378	4.06796	6.78684	0.0669957	0.26504675	2.4002385	21	1 11.6	17.6
85899 1999 CS_{53}	15.4	X	66.65702	40.32444	57.83860	3.00244	0.1722300	0.26740228	2.3861220	21	2 5.5	17.4
85900 1999 CQ_{57}	15.3	X	71.23639	91.20195	1.76364	2.17721	0.1689869	0.26712397	2.3877791	21	2 5.9	17.2
85901 1999 CM_{66}	15.2	X	31.77566	27.92148	157.13848	12.49379	0.1676170	0.22808163	2.6530322	21	4 17.7	18.0
85902 1999 CS_{66}	14.6	X	49.45458	237.39231	248.67737	5.44893	0.0773783	0.26847145	2.3797828	21	2 3.7	17.3
85903 1999 CD_{70}	15.4	X	318.54957	265.50366	240.13348	7.42697	0.1565137	0.21496937	2.7598470	21	—	—
85904 1999 CH_{70}	15.0	X	124.30252	211.82278	256.77167	6.53531	0.0761431	0.23151842	2.6267113	21	5 6.9	18.6
85905 1999 CY_{73}	15.5	X	137.43257	14.23759	170.53938	5.06220	0.2214838	0.23979252	2.5659349	21	9 9.9	19.8
85906 1999 CT_{74}	15.2	X	53.86369	197.48778	271.85449	5.71051	0.0642849	0.26652450	2.3913581	21	1 19.6	17.8
85907 1999 CV_{83}	15.2	X	28.81462	70.64390	69.46193	3.12758	0.1476411	0.26863625	2.3788094	21	1 19.0	17.2
85908 1999 CE_{85}	15.6	X	210.77735	319.92456	115.60040	5.32562	0.1089425	0.28425579	2.2908492	21	7 1.7	18.8
85909 1999 CJ_{85}	15.7	X	298.50024	354.55514	105.59510	6.41370	0.0380613	0.29750450	2.2223222	21	12 19.8	18.1
85910 1999 CZ_{86}	16.0	X	83.57433	33.88636	73.74223	6.08460	0.2581913	0.22839244	2.6506247	21	4 14.2	19.3
85911 1999 CY_{91}	15.0	X	310.14816	122.27125	143.25321	5.63806	0.1783359	0.22663598	2.6643022	21	3 10.3	18.4
85912 1999 CL_{93}	15.5	X	355.46885	87.53540	138.12437	3.77950	0.0492733	0.22891478	2.6465910	21	4 10.3	18.7
85913 1999 CQ_{94}	15.4	X	105.58695	14.80524	106.18813	14.71175	0.1446642	0.23108601	2.6299870	21	5 15.9	19.3
85914 1999 CM_{95}	15.5	X	49.95444	15.98828	136.75824	4.74942	0.1095641	0.22703185	2.6612041	21	3 29.4	18.4
85915 1999 CU_{97}	14.9	X	192.29289	12.76365	93.79547	11.80617	0.0826226	0.23952089	2.5678744	21	7 24.8	18.8
85916 1999 CT_{98}	15.5	X	147.63613	352.53100	103.10114	6.38929	0.1257866	0.23293835	2.6160260	21	5 24.4	19.5
85917 1999 CV_{98}	15.3	X	66.94132	32.23703	109.36105	9.60636	0.0876264	0.22762371	2.6565891	21	4 11.0	18.7
85918 1999 CD_{100}	15.4	X	313.53137	176.96646	12.50392	6.27730	0.1750150	0.21763378	2.7372755	21	—	—
85919 1999 CH_{100}	15.2	X	334.17522	70.35474	345.70611	4.92789	0.1204218	0.29467695	2.2365156	21	12 16.9	17.2
85920 1999 CJ_{100}	14.6	X	100.31416	113.52610	335.62720	12.32217	0.1392865	0.22602181	2.6691264	21	3 18.9	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
85921 1999 CV_{101}	15.2	X	179.68910	112.37976	64.08517	5.45358	0.0982926	0.24396682	2.5365818	21	10 11.3	19.0
85922 1999 CB_{103}	14.8	X	351.22647	22.37653	177.12888	7.01918	0.0505678	0.27055778	2.3675329	21	2 16.6	17.5
85923 1999 CF_{105}	14.4	X	125.86778	204.34932	265.18493	13.86992	0.0500240	0.23234079	2.6205095	21	5 5.2	18.2
85924 1999 CM_{107}	14.8	X	45.61000	236.96947	261.82182	12.22734	0.1228978	0.22534492	2.6744688	21	2 22.8	18.1
85925 1999 CV_{109}	15.5	X	50.25457	184.89212	272.70429	6.80000	0.0815124	0.26536536	2.3983169	21	—	—
85926 1999 CV_{115}	15.7	X	78.06655	290.33753	304.55545	10.11919	0.2842504	0.23588161	2.5942191	21	9 19.8	19.8
85927 1999 CQ_{117}	14.3	X	235.93051	103.63205	295.48595	11.11278	0.2664051	0.23769707	2.5809930	21	5 28.9	18.8
85928 1999 CB_{120}	15.0	X	229.48571	4.10745	80.00737	14.22134	0.1318555	0.24310588	2.5425670	21	8 4.1	18.9
85929 1999 CJ_{122}	14.7	X	96.06813	68.50974	83.45807	16.71906	0.1528428	0.23331268	2.6132271	21	6 10.8	18.2
85930 1999 CL_{122}	14.8	X	85.30654	90.47139	36.40859	14.19725	0.1395408	0.22987459	2.6392188	21	4 21.6	18.0
85931 1999 CK_{123}	13.9	X	87.21566	18.31759	50.44660	16.22551	0.1563143	0.18076349	3.0978632	21	2 25.5	18.4
85932 1999 CS_{141}	16.2	X	45.03148	216.61374	124.19770	2.36909	0.1019621	0.25224020	2.4808081	21	12 9.7	19.4
85933 1999 CQ_{146}	16.5	X	191.27669	112.79593	217.37654	1.40075	0.2273584	0.26620824	2.3932517	21	1 29.9	20.4
85934 1999 CF_{148}	16.1	X	18.02527	156.27905	151.13351	3.23627	0.1291195	0.24241009	2.5474300	21	9 16.7	18.7
85935 1999 CG_{149}	16.4	X	46.19003	33.70793	236.39652	0.62039	0.1611083	0.23605203	2.5929704	21	9 13.3	19.3
85936 1999 CH_{149}	15.9	X	322.64872	92.52616	172.04410	4.77908	0.0686553	0.22673535	2.6635237	21	4 12.2	19.2
85937 1999 DL_{1}	14.5	X	104.32013	183.79867	302.49955	25.15692	0.1970870	0.27494736	2.3422667	21	5 16.5	18.2
85938 1999 DJ_{4}	18.6	X	293.40822	197.63794	19.89747	9.14247	0.4833442	0.39063891	1.8533284	21	—	—
85939 1999 DN_{5}	14.6	X	157.39282	238.82744	254.08012	12.27005	0.1289920	0.23782146	2.5800930	21	7 18.1	18.7
85940 1999 DS_{8}	15.9	X	328.63624	70.13367	76.38306	8.60793	0.2576802	0.21664452	2.7456020	21	—	—
85941 1999 DC_{9}	14.6	X	12.44954	94.67187	111.86698	16.81251	0.1748550	0.22749177	2.6576162	21	4 14.4	17.6
85942 1999 EB_{6}	14.5	X	354.26738	22.05579	15.71614	14.79693	0.0934379	0.24586221	2.5235284	21	12 6.0	17.7
85943 1999 EJ_{7}	15.3	X	41.08575	6.89687	320.87844	3.65603	0.1874688	0.24718801	2.5144970	21	11 28.3	18.5
85944 1999 EM_{7}	15.6	X	2.10483	3.57201	329.96893	3.44313	0.1715396	0.24312463	2.5424363	21	9 28.0	17.9
85945 1999 EB_{8}	15.5	X	151.35538	327.81977	21.17608	9.15561	0.1911360	0.25682894	2.4511699	21	1 18.4	19.2
85946 1999 EJ_{8}	15.9	X	317.33628	105.10340	166.55120	2.32176	0.0692404	0.22937095	2.6430808	21	4 13.3	19.3
85947 1999 ET_{11}	14.3	X	54.25486	90.38618	76.64028	28.61985	0.2061707	0.22829190	2.6514028	21	5 16.4	17.4
85948 1999 EP_{13}	15.6	X	16.73052	95.47762	150.57713	11.82188	0.2932715	0.22980215	2.6397735	21	6 25.2	17.5
85949 1999 EX_{14}	15.4	X	284.06537	179.08280	169.02008	11.98554	0.0836344	0.23291498	2.6162010	21	6 8.3	19.1
85950 1999 FQ_{7}	14.4	X	217.97702	153.13726	186.57799	26.15457	0.2219570	0.26675869	2.3899584	21	3 1.2	18.7
85951 1999 FX_{9}	14.5	X	153.90275	179.14002	8.53706	12.68931	0.0825844	0.24058924	2.5602669	21	9 26.4	18.1
85952 1999 FW_{12}	15.5	X	63.40715	84.00424	183.14764	4.01733	0.2149404	0.23470242	2.6029011	21	10 11.8	19.1
85953 1999 FK_{21}	18.1	X	295.63578	172.39465	180.47197	12.60943	0.7030923	1.55215286	0.7387765	21	—	—
85954 1999 FY_{23}	15.0	X	307.95285	91.64760	1.56741	3.60738	0.0899916	0.29516359	2.2340567	21	12 23.5	17.0
85955 1999 FB_{29}	14.3	X	4.97553	12.99960	184.95788	19.93986	0.1244540	0.17773978	3.1328982	21	3 20.1	18.0
85956 1999 FT_{35}	15.2	X	349.54492	170.55859	319.39147	4.32198	0.1417940	0.26072177	2.4267098	21	—	—
85957 1999 FZ_{38}	15.6	X	170.74145	126.37443	342.16170	3.24178	0.1889108	0.28090881	2.3090100	21	7 4.3	19.4
85958 1999 FU_{42}	15.0	X	310.66146	43.78569	358.91400	4.61691	0.1411578	0.28946909	2.2632607	21	10 5.6	16.7
85959 1999 FV_{42}	15.2	X	326.56059	225.07938	159.19082	6.61872	0.1127092	0.28844842	2.2685966	21	10 13.7	17.1
85960 1999 FR_{50}	15.4	X	331.07454	185.55863	338.40572	8.10559	0.0843470	0.21661121	2.7458834	21	—	—
85961 1999 FV_{51}	15.3	X	153.75630	203.10067	240.37921	1.51595	0.1982667	0.27598992	2.3363644	21	5 16.7	18.7
85962 1999 FJ_{53}	15.9	X	141.81384	221.69875	353.08006	4.71982	0.1207945	0.24257401	2.5462822	21	10 16.9	19.8
85963 1999 FD_{57}	15.1	X	356.75793	30.95392	158.68842	13.50073	0.1020923	0.22236846	2.6982815	21	2 16.4	18.2
85964 1999 FZ_{57}	15.7	X	344.39486	325.88617	216.81447	2.18829	0.1278772	0.22000353	2.7175838	21	1 16.8	18.9
85965 1999 FW_{60}	14.9	X	351.27704	113.45966	342.43418	8.24749	0.2068107	0.21257018	2.7805742	21	—	—
85966 1999 FD_{62}	15.2	X	176.68031	284.82086	160.90304	10.97776	0.1174960	0.27669900	2.3323711	21	6 9.4	18.8
85967 1999 GK_{1}	14.4	X	101.53017	140.11454	50.04824	14.94936	0.0467584	0.23171514	2.6252244	21	7 28.3	18.3
85968 1999 GB_{2}	14.8	X	80.52776	304.37706	57.11885	7.50329	0.0821122	0.25132910	2.4868000	21	—	—
85969 1999 GP_{2}	14.9	X	260.19409	183.27654	147.61382	5.81309	0.1491814	0.17995244	3.1071644	21	4 13.8	19.7
85970 Fundaçãoterra	15.5	X	165.23911	282.81554	235.63963	4.39763	0.0902421	0.23611803	2.5924872	21	8 28.6	19.4
85971 1999 GW_{5}	14.5	X	104.90492	91.67896	66.38958	16.60380	0.1713537	0.18492968	3.0511599	21	7 1.6	19.2
85972 1999 GJ_{7}	15.0	X	22.29023	74.84339	160.49836	13.42797	0.2691901	0.22760655	2.6567226	21	6 20.9	17.4
85973 1999 GP_{19}	14.2	X	124.62606	143.03325	27.63677	14.47335	0.1132799	0.23353706	2.6115530	21	8 10.0	18.3
85974 1999 GF_{21}	14.7	X	137.49429	89.30229	195.52264	9.64740	0.2257154	0.24544036	2.5264191	21	—	—
85975 1999 GD_{33}	14.9	X	80.06894	198.26224	43.79195	14.97057	0.0636228	0.23576249	2.5950929	21	9 15.8	18.7
85976 1999 GR_{33}	15.1	X	172.61832	126.21899	54.54443	13.89565	0.1109085	0.24058140	2.5603225	21	10 11.9	19.1
85977 1999 GZ_{42}	14.9	X	324.78721	340.54209	161.74175	13.38612	0.2595617	0.21293628	2.7773862	21	—	—
85978 1999 GD_{45}	14.8	X	310.89026	28.64045	137.10491	8.01939	0.1473636	0.21239986	2.7820605	21	—	—
85979 1999 GH_{59}	15.3	X	311.25121	85.28894	122.39955	4.30770	0.0448899	0.21754633	2.7380090	21	1 17.2	18.8
85980 1999 HG_{3}	15.2	X	138.93979	64.51734	115.03524	8.54867	0.1389719	0.23574886	2.5951929	21	9 3.7	19.3
85981 1999 HS_{3}	15.0	X	225.74568	352.48186	157.62095	14.68991	0.1441383	0.24569627	2.5246645	21	10 25.4	18.8
85982 1999 HQ_{6}	14.4	X	207.99338	351.57300	2.28712	8.90475	0.1144964	0.22322617	2.6913653	21	3 17.9	18.4
85983 1999 HX_{7}	15.2	X	23.27491	104.88330	211.84571	9.82584	0.2962744	0.23304388	2.6152362	21	11 3.8	17.8
85984 1999 HV_{10}	14.6	X	136.26188	17.61809	238.66981	14.32299	0.2583078	0.19844313	2.9110209	21	11 29.9	19.8
85985 1999 JW	15.1	X	334.46297	112.13363	162.51550	13.87856	0.2523918	0.22279215	2.6948595	21	4 20.9	18.1
85986 1999 JX	14.9	X	327.33659	80.44720	128.73863	14.37301	0.2036902	0.21698182	2.7427559	21	1 16.4	18.4
85987 1999 JT_{5}	15.4	X	17.55163	296.73007	48.42557	23.51477	0.0668801	0.37307530	1.9110485	21	11 22.6	17.0
85988 1999 JX_{5}	14.7	X	313.82649	335.20525	204.69002	27.74934	0.1467307	0.21178497	2.7874428	21	—	—
85989 1999 JD_{6}	17.1	X	353.17214	309.23854	130.16837	17.06394	0.6327759	1.18770832	0.8830721	21	—	—
85990 1999 JV_{6}	20.2	X	224.12950	235.54003	124.31672	5.35925	0.3111302	0.97353468	1.0082505	21	—	—
85991 1999 JJ_{16}	15.0	X	14.29087	96.84754	227.91343	0.41528	0.1829412	0.18883522	3.0089436	21	10 2.5	18.4
85992 1999 JR_{17}	14.7	X	221.97290	332.68327	230.35988	17.03286	0.1654759	0.20482961	2.8501927	21	12 12.4	19.1
85993 1999 JU_{28}	15.4	X	277.45234	325.43767	313.68549	2.49097	0.1629735	0.21717418	2.7411360	21	2 19.7	19.5
85994 1999 JV_{41}	15.1	X	205.60316	114.84453	99.76257	4.15500	0.1748877	0.20260202	2.8710463	21	12 9.6	19.7
85995 1999 JT_{56}	14.7	X	156.01507	92.20834	59.25398	12.87751	0.1184899	0.18792937	3.0186050	21	8 15.7	19.7
85996 1999 JO_{65}	15.0	X	6.74223	227.15576	41.61471	15.38245	0.0703467	0.22944501	2.6425120	21	6 24.7	18.4
85997 1999 JB_{69}	15.0	X	197.95294	205.02794	74.88622	7.77935	0.0866307	0.20890860	2.8129704	21	—	—
85998 1999 JH_{69}	15.2	X	334.59736	99.88805	191.30382	11.99350	0.2590998	0.22483079	2.6785444	21	5 12.5	17.9
85999 1999 JY_{72}	15.0	X	237.42251	233.21373	180.19233	6.41227	0.1209052	0.27517291	2.3409866	21	6 30.6	18.4
86000 1999 JT_{78}	15.2	X	88.36984	95.41997	166.83197	14.76015	0.0872389	0.23663221	2.5887303	21	10 20.9	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86001 1999 JE_{80}	14.0	X	292.52982	54.17251	211.66243	21.95932	0.1479731	0.17244410	3.1967143	21	2 22.7	19.1
86002 1999 JW_{85}	15.2	X	354.85099	105.17571	178.14630	12.01693	0.1807969	0.22803821	2.6533689	21	6 23.4	18.0
86003 1999 JO_{86}	15.5	X	44.61341	32.57055	165.90667	7.47420	0.2477886	0.22672790	2.6635820	21	6 12.6	18.2
86004 1999 JT_{86}	14.6	X	24.81407	160.79514	62.22412	14.08876	0.1121503	0.22626672	2.6672001	21	5 23.3	17.5
86005 1999 JP_{87}	14.9	X	257.36161	192.32635	90.14547	10.81139	0.2783720	0.21459835	2.7630270	21	1 30.4	19.8
86006 1999 JS_{87}	14.1	X	75.28143	265.68763	173.55748	12.24940	0.1485967	0.21649264	2.7468859	21	2 1.8	17.5
86007 1999 JO_{90}	15.0	X	359.79242	144.66487	117.55530	14.28319	0.1681836	0.22583470	2.6706005	21	6 5.2	17.8
86008 1999 JQ_{91}	15.4	X	330.34355	156.95459	127.78545	8.31920	0.2183524	0.22354166	2.6888324	21	5 3.3	18.4
86009 1999 JW_{93}	15.0	X	229.34563	140.58348	174.78228	8.60583	0.2925937	0.21244894	2.7816320	21	2 14.1	20.2
86010 1999 JS_{94}	15.1	X	299.94443	140.57583	145.13256	14.96389	0.1384045	0.22043151	2.7140652	21	4 2.4	18.9
86011 1999 JU_{94}	14.9	X	235.21586	228.14516	110.99270	15.99565	0.1354265	0.21871631	2.7282360	21	4 2.1	19.5
86012 1999 JG_{97}	15.6	X	348.10679	147.57667	174.42167	13.26236	0.1759188	0.22930565	2.6435826	21	8 6.3	18.2
86013 1999 JX_{98}	15.0	X	65.18118	87.45263	175.01882	11.94192	0.0785280	0.23291385	2.6162094	21	9 16.7	18.3
86014 1999 JE_{99}	15.1	X	252.65927	148.33445	139.17732	11.35186	0.2574353	0.21282246	2.7783764	21	2 1.1	19.9
86015 1999 JN_{99}	15.1	X	317.78647	119.42955	184.44091	12.18066	0.1962024	0.22285076	2.6943869	21	5 11.0	18.4
86016 1999 JK_{100}	14.7	X	348.80069	111.90511	164.18355	14.67912	0.0842586	0.22472044	2.6794212	21	6 7.9	18.2
86017 1999 JA_{101}	14.3	X	190.47949	6.28659	94.16795	22.86682	0.0557331	0.22852152	2.6496264	21	7 13.9	18.2
86018 1999 JH_{115}	15.3	X	152.92823	27.38608	48.02413	7.82650	0.0598729	0.26647591	2.3916489	21	4 25.2	18.5
86019 1999 JG_{127}	14.4	X	120.77377	224.94615	216.09711	5.40321	0.1056608	0.26255157	2.4154218	21	3 27.2	17.4
86020 1999 JP_{128}	14.1	X	340.70164	30.29494	91.13469	10.89992	0.0497975	0.20934064	2.8090988	21	—	—
86021 1999 KQ_{4}	13.8	X	249.50718	82.55360	260.95850	28.20390	0.3848142	0.21236401	2.7823735	21	3 16.2	19.6
86022 1999 KJ_{14}	14.3	X	48.17118	113.36324	223.00550	8.03701	0.2286711	0.19190245	2.9767957	21	12 13.9	18.5
86023 1999 KT_{18}	14.8	X	14.92161	185.12571	103.23728	7.08389	0.1424951	0.18083753	3.0970176	21	8 10.9	18.4
86024 1999 LW_{3}	14.6	X	31.65142	96.28503	125.22692	27.88103	0.1794898	0.22542182	2.6738605	21	6 16.1	17.8
86025 1999 LX_{3}	16.0	X	124.44022	273.47963	255.54191	25.84889	0.1285317	0.40974083	1.7952705	21	7 26.9	18.7
86026 1999 LQ_{6}	14.5	X	67.47385	308.07706	70.70020	13.09296	0.1911885	0.20208462	2.8759448	21	—	—
86027 1999 LL_{13}	14.8	X	308.80012	46.21885	225.37579	9.40172	0.1861368	0.21778876	2.7359768	21	3 11.7	18.6
86028 1999 LR_{19}	14.2	X	81.36654	10.85707	255.94397	22.59491	0.1955792	0.19042869	2.9921347	21	10 17.7	19.1
86029 1999 LV_{32}	15.4	X	352.96869	167.07406	134.07746	13.83462	0.1790899	0.22784778	2.6548471	21	7 17.4	17.8
86030 1999 NS_{1}	15.9	X	284.81411	237.56442	267.62868	16.27340	0.0267313	0.37462136	1.9057870	21	—	—
86031 1999 NR_{2}	14.9	X	328.22366	137.99596	124.31722	26.98385	0.0106140	0.39597069	1.8366540	21	4 17.3	17.5
86032 1999 NK_{5}	14.9	X	204.26489	176.08174	175.21046	12.44269	0.2074539	0.20945009	2.8081202	21	3 11.8	19.7
86033 1999 ND_{8}	14.7	X	227.28194	256.17035	132.08673	9.79180	0.2091175	0.21518960	2.7579636	21	5 16.7	19.4
86034 1999 NU_{9}	14.0	X	302.51469	312.22572	307.24562	14.17478	0.0856196	0.21132561	2.7914807	21	3 1.9	18.0
86035 1999 NH_{28}	16.0	X	48.60980	357.12407	307.41340	18.13077	0.0600037	0.36587608	1.9360357	21	10 30.1	18.6
86036 1999 NS_{33}	14.4	X	127.63559	63.84530	290.82718	15.29053	0.2374292	0.19967043	2.8990801	21	1 13.8	18.8
86037 1999 NN_{37}	14.1	X	55.36075	11.56567	299.74591	13.36418	0.1075773	0.23212561	2.6221287	21	11 7.0	17.9
86038 1999 NY_{38}	13.3	X	339.45151	98.06661	326.42234	9.91917	0.0827517	0.19027147	2.9937827	21	12 6.3	17.2
86039 1999 NC_{43}	15.9	X	70.70904	120.77872	311.65739	7.13168	0.5786006	0.42215980	1.7598871	21	—	—
86040 1999 NU_{43}	15.1	X	244.18076	134.42768	158.12011	8.25390	0.2034824	0.21137562	2.7910404	21	2 2.6	19.9
86041 1999 NN_{56}	14.4	X	344.64221	68.35001	287.58248	20.88576	0.0773653	0.18017239	3.1046350	21	9 3.9	18.8
86042 1999 NH_{65}	14.9	X	25.91713	125.93957	202.33099	13.82882	0.1747273	0.23053402	2.6341835	21	11 3.9	17.9
86043 Cévennes	14.7	X	176.76490	117.85156	129.73745	12.55462	0.1680330	0.19626065	2.9325622	21	12 22.2	19.6
86044 1999 OD_{2}	14.2	X	51.36893	94.72187	235.05879	14.86534	0.2454207	0.18433955	3.0576683	21	12 10.4	18.7
86045 1999 ON_{2}	15.4	X	290.85794	204.15497	308.66353	20.12688	0.0228916	0.37035804	1.9203845	21	—	—
86046 1999 OY_{2}	14.4	X	1.33821	108.85417	223.82114	24.10615	0.3754770	0.17843653	3.1247375	21	10 1.9	17.1
86047 1999 OY_{3}	6.8	X	65.66442	307.52823	301.72297	24.15792	0.1720678	0.00335216	44.2167308	21	8 20.4	23.1
86048 1999 PP_{1}	14.0	X	338.03224	40.32053	8.80691	9.95052	0.0979645	0.18388773	3.0626748	21	11 11.5	18.0
86049 1999 PH_{4}	14.7	X	341.40136	235.63792	129.42021	5.57278	0.1990607	0.17901952	3.1179499	21	9 23.5	17.9
86050 1999 PG_{8}	15.3	X	143.83778	328.82959	344.83883	5.24452	0.2121390	0.19772920	2.9180239	21	—	—
86051 1999 QB_{2}	13.9	X	238.31966	44.65177	305.16366	6.72808	0.2347306	0.21084682	2.7957050	21	4 1.8	18.8
86052 1999 RM_{2}	13.9	X	345.92309	168.06280	278.01340	9.17980	0.0776200	0.19155486	2.9803957	21	—	—
86053 1999 RY_{4}	13.6	X	219.57065	116.72485	349.68820	26.40609	0.1439247	0.17473405	3.1687236	21	8 23.7	18.8
86054 1999 RH_{11}	14.5	X	34.44195	215.65512	135.13278	11.55528	0.0979476	0.18680321	3.0307247	21	11 27.6	18.7
86055 1999 RO_{12}	14.1	X	245.29974	143.80862	310.28396	8.17122	0.0349857	0.17936774	3.1139131	21	9 7.5	18.6
86056 1999 RE_{14}	14.9	X	351.10601	183.81194	155.91238	14.19815	0.2648370	0.17924304	3.1153572	21	9 7.9	17.5
86057 1999 RV_{14}	14.8	X	81.76549	145.69360	205.99321	0.94865	0.1448565	0.19128612	2.9831865	21	—	—
86058 1999 RO_{15}	13.6	X	3.35278	334.45644	345.86264	22.80002	0.0950622	0.17830715	3.1262489	21	9 1.7	17.5
86059 1999 RX_{15}	15.3	X	191.35826	242.97777	163.34225	4.37102	0.1928275	0.21034787	2.8001242	21	5 7.4	20.0
86060 1999 RO_{18}	14.5	X	46.83243	10.76500	316.71730	6.44410	0.1824864	0.18448982	3.0560077	21	11 22.2	18.7
86061 1999 RT_{19}	12.9	X	216.81105	96.73479	349.99148	18.19548	0.0895986	0.17269727	3.1935893	21	7 29.9	18.0
86062 1999 RJ_{20}	13.9	X	337.98774	135.23093	339.23333	10.06480	0.0661555	0.19192728	2.9765390	21	—	—
86063 1999 RK_{25}	15.1	X	154.27362	13.78417	348.32687	8.00109	0.3090148	0.19993745	2.8964983	21	2 21.6	20.2
86064 1999 RP_{26}	14.8	X	302.60920	10.09477	20.50458	5.69469	0.1597960	0.17499359	3.1655897	21	8 20.6	18.8
86065 1999 RO_{27}	14.8	X	4.53390	187.32871	162.14056	4.50814	0.1544000	0.18063206	3.0993658	21	10 15.3	18.3
86066 1999 RR_{27}	14.9	X	21.24235	46.80705	349.70752	10.29117	0.2950095	0.18537822	3.0462362	21	—	—
86067 1999 RM_{28}	16.4	X	270.16309	301.83230	136.05733	30.54754	0.3233456	0.40225679	1.8174695	21	8 25.5	17.8
86068 1999 RL_{30}	16.2	X	7.77180	99.24522	339.32707	19.77266	0.0956109	0.37196059	1.9148647	21	—	—
86069 1999 RO_{32}	13.5	X	275.42455	92.00746	356.72984	12.99517	0.2745391	0.17622691	3.1508029	21	9 8.2	17.9
86070 1999 RZ_{43}	13.9	X	310.59135	292.37370	88.75829	6.24004	0.1399949	0.17371348	3.1811223	21	8 23.4	17.9
86071 1999 RR_{45}	15.7	X	178.26367	176.41455	349.01686	5.92392	0.1267461	0.26921891	2.3753759	21	9 23.6	19.1
86072 1999 RW_{45}	15.0	X	18.04057	286.74978	68.85547	1.44045	0.3091216	0.18288412	3.0738692	21	12 7.0	18.4
86073 1999 RX_{51}	15.6	X	184.25648	132.43703	173.63364	3.28103	0.2624341	0.20171586	2.8794487	21	1 6.5	20.6
86074 1999 RA_{57}	14.2	X	215.81328	199.82632	318.28546	8.57997	0.0516564	0.18558604	3.0439617	21	10 18.9	18.8
86075 1999 RJ_{58}	15.9	X	46.80326	131.68111	164.74808	6.83839	0.1149347	0.27271438	2.3550349	21	10 20.8	18.7
86076 1999 RD_{65}	15.2	X	117.53770	336.63259	339.44615	10.29859	0.0942300	0.19277220	2.9678352	21	—	—
86077 1999 RA_{67}	14.9	X	74.03452	178.71530	150.06606	11.12461	0.0749329	0.18856719	3.0117943	21	12 14.6	19.4
86078 1999 RS_{67}	15.7	X	343.93366	11.67068	300.13192	5.95346	0.1109734	0.26567812	2.3964343	21	7 19.2	17.9
86079 1999 RK_{70}	15.0	X	88.79874	118.20828	191.69556	9.57358	0.0934527	0.18819015	3.0158157	21	12 9.9	19.6
86080 1999 RJ_{71}	15.0	X	341.39309	268.94580	122.68183	2.74321	0.1810999	0.18172799	3.0868925	21	10 29.9	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86081 1999 RN_{73}	14.0	X	201.40012	273.03237	303.78166	6.98750	0.0502651	0.19001115	2.9965164	21	12 17.3	18.4
86082 1999 RA_{74}	15.0	X	144.07309	45.85545	352.83681	14.75143	0.1508912	0.20367198	2.8609824	21	3 13.7	19.4
86083 1999 RC_{74}	15.0	X	15.84113	169.41774	151.91385	7.35036	0.1327238	0.17996028	3.1070741	21	9 25.5	18.7
86084 1999 RJ_{75}	14.9	X	44.38330	336.57364	343.87745	5.84557	0.1351240	0.18354466	3.0664899	21	11 2.8	19.0
86085 1999 RW_{80}	14.6	X	42.68177	339.25694	320.85527	9.41192	0.0926151	0.18089205	3.0963953	21	9 27.4	18.8
86086 1999 RR_{81}	14.7	X	321.33107	208.02606	184.94661	9.80406	0.0930373	0.17968989	3.1101902	21	9 28.1	18.6
86087 1999 RZ_{86}	15.9	X	20.14562	186.26938	154.65452	4.61492	0.2330487	0.18206767	3.0830518	21	11 10.9	19.5
86088 1999 RR_{88}	13.7	X	235.53369	99.53190	335.86795	4.54822	0.1385578	0.17186246	3.2039227	21	7 25.8	18.5
86089 1999 RN_{89}	14.6	X	59.75339	138.56558	171.26731	9.96427	0.1249324	0.18351534	3.0668166	21	11 12.2	19.0
86090 1999 RT_{90}	14.6	X	332.16121	255.50087	152.68399	8.29786	0.0751211	0.18250270	3.0781505	21	11 7.1	18.6
86091 1999 RF_{92}	14.4	X	12.01079	227.40493	182.21092	12.29508	0.1878192	0.18617828	3.0375029	21	—	—
86092 1999 RW_{94}	14.5	X	51.92762	215.35327	166.72726	5.88918	0.1385849	0.18890650	3.0081867	21	—	—
86093 1999 RZ_{95}	13.9	X	290.34661	357.42001	34.79269	9.35403	0.1003780	0.17434975	3.1733781	21	8 15.2	18.3
86094 1999 RW_{100}	13.6	X	21.39106	39.64901	279.09060	11.38592	0.3213353	0.18234751	3.0798967	21	10 22.7	17.2
86095 1999 RZ_{100}	14.2	X	335.38744	90.12437	235.99635	14.67419	0.1119800	0.17708351	3.1406338	21	7 17.6	18.3
86096 1999 RB_{103}	14.2	X	22.71060	156.14421	214.32369	15.91270	0.2290447	0.18523700	3.0477843	21	12 20.1	18.2
86097 1999 RC_{104}	13.9	X	278.55603	251.47181	269.64808	9.16755	0.0536217	0.19230318	2.9726589	21	—	—
86098 1999 RL_{105}	14.0	X	139.97476	213.49771	115.42953	2.16958	0.0965247	0.19357411	2.9596331	21	—	—
86099 1999 RO_{106}	14.3	X	59.67577	356.28067	298.20523	8.09911	0.0969226	0.18169970	3.0872129	21	10 13.6	18.7
86100 1999 RH_{107}	15.1	X	2.08482	188.16519	140.06988	6.37120	0.1531995	0.17764661	3.1339936	21	9 11.8	18.7
86101 1999 RY_{107}	14.4	X	55.81792	143.11866	238.75149	5.66727	0.1185637	0.19072676	2.9890164	21	—	—
86102 1999 RP_{108}	14.1	X	31.21436	88.07807	298.36242	8.61255	0.0921228	0.18798783	3.0179791	21	—	—
86103 1999 RB_{109}	14.4	X	290.21176	85.66310	336.65318	9.02946	0.0862447	0.17817876	3.1277504	21	9 18.7	18.6
86104 1999 RF_{110}	14.1	X	355.80040	132.36321	297.66611	8.36115	0.0667969	0.18684674	3.0302540	21	—	—
86105 1999 RG_{110}	14.5	X	333.60167	90.96466	312.30843	9.24013	0.0977508	0.18045938	3.1013426	21	10 25.9	18.5
86106 1999 RP_{113}	13.9	X	7.31513	77.67798	324.18847	8.25574	0.0731008	0.18885622	3.0087206	21	12 18.3	17.9
86107 1999 RL_{115}	14.5	X	351.90584	225.40400	146.26087	9.92648	0.1407563	0.18282854	3.0744921	21	10 24.5	18.2
86108 1999 RR_{116}	14.5	X	52.59237	69.65370	223.34228	8.31311	0.2249410	0.18513434	3.0489109	21	10 25.3	18.6
86109 1999 RV_{118}	14.0	X	18.18880	98.67983	286.59445	9.02427	0.1316277	0.18812996	3.0164589	21	12 20.0	17.9
86110 1999 RH_{123}	13.8	X	185.38468	253.51166	281.32633	8.08928	0.0196537	0.18200389	3.0837721	21	10 6.3	18.4
86111 1999 RM_{123}	14.2	X	286.31527	185.46115	242.61976	8.52079	0.0656643	0.17959341	3.1113040	21	9 21.9	18.6
86112 1999 RN_{123}	13.6	X	94.23201	70.20255	308.26564	10.99288	0.0718837	0.19514105	2.9437683	21	—	—
86113 1999 RC_{129}	12.8	X	266.73974	157.42116	325.02864	12.44306	0.1353818	0.18679787	3.0307825	21	10 22.9	17.3
86114 1999 RD_{130}	14.1	X	34.64480	13.27805	335.29600	11.24070	0.1284744	0.18625252	3.0366957	21	11 23.3	18.3
86115 1999 RF_{133}	14.1	X	320.31510	106.30224	278.32100	8.22127	0.0875775	0.18001876	3.1064011	21	9 11.4	18.3
86116 1999 RR_{133}	14.7	X	74.12138	82.74526	294.62163	9.60068	0.1425348	0.19324487	2.9629937	21	—	—
86117 1999 RC_{135}	14.6	X	47.26939	70.51416	325.17256	2.12681	0.1850438	0.19161404	2.9797820	21	—	—
86118 1999 RD_{138}	14.8	X	209.65848	74.27694	347.20236	6.90740	0.1789589	0.21508960	2.7588184	21	6 8.9	19.4
86119 1999 RA_{140}	14.7	X	42.37584	196.16156	183.83954	10.19675	0.0576616	0.19082715	2.9879680	21	—	—
86120 1999 RM_{140}	14.4	X	51.68124	359.77766	335.18564	8.34679	0.0539573	0.18715039	3.0269754	21	11 18.7	18.8
86121 1999 RE_{144}	14.8	X	22.47484	37.05069	318.08509	7.87294	0.1039867	0.18391698	3.0623501	21	11 10.9	19.0
86122 1999 RH_{144}	14.7	X	85.90336	116.56289	200.82276	9.79381	0.1020600	0.18857626	3.0116976	21	12 16.2	19.3
86123 1999 RQ_{144}	14.9	X	78.77612	66.59836	290.38009	8.90084	0.0872965	0.19193071	2.9765035	21	—	—
86124 1999 RK_{147}	14.4	X	291.46926	223.60756	286.38057	8.12605	0.0144383	0.19319544	2.9634991	21	—	—
86125 1999 RH_{152}	14.5	X	78.45401	303.69560	332.89675	9.06021	0.0648397	0.18338511	3.0682684	21	10 10.5	19.0
86126 1999 RV_{152}	14.9	X	83.72446	164.16554	184.56642	9.93094	0.1509408	0.19141762	2.9818201	21	—	—
86127 1999 RB_{154}	14.6	X	326.92153	216.50135	183.82250	10.64894	0.1289101	0.18168738	3.0873524	21	10 16.1	18.2
86128 1999 RC_{154}	13.8	X	243.71721	217.36446	318.89611	8.83697	0.0234077	0.19042876	2.9921339	21	12 21.9	18.1
86129 1999 RO_{155}	13.6	X	87.23100	34.47584	317.33803	10.03274	0.1087821	0.19192862	2.9765252	21	—	—
86130 1999 RN_{156}	13.4	X	192.65832	178.78370	329.33024	10.10152	0.0231273	0.17956769	3.1116011	21	9 13.1	17.8
86131 1999 RV_{159}	14.1	X	146.86658	9.33400	2.42929	11.21370	0.0756485	0.20219665	2.8748824	21	2 8.4	18.4
86132 1999 RJ_{165}	15.1	X	50.44139	95.52333	208.72279	3.10325	0.1922473	0.18351242	3.0668491	21	11 1.3	19.3
86133 1999 RA_{171}	14.9	X	4.68822	255.26716	133.56805	1.63933	0.1691164	0.18437763	3.0572473	21	12 7.3	18.4
86134 1999 RZ_{171}	14.1	X	107.99409	79.78941	17.60482	5.70088	0.1997562	0.20560746	2.8429996	21	4 21.8	18.2
86135 1999 RK_{172}	14.0	X	345.82941	297.00710	146.55159	11.83768	0.1256607	0.18916369	3.0054594	21	—	—
86136 1999 RZ_{172}	15.1	X	117.50813	189.71527	132.68595	12.05467	0.1498775	0.19296964	2.9658105	21	—	—
86137 1999 RN_{174}	15.0	X	63.42446	263.30371	47.16140	2.35052	0.1535520	0.18517800	3.0484316	21	11 18.9	19.4
86138 1999 RL_{175}	14.2	X	293.46807	156.60557	276.13457	1.26437	0.1717659	0.17926209	3.1151365	21	9 26.3	18.0
86139 1999 RT_{182}	14.8	X	320.70653	226.73170	192.31509	5.20140	0.1554441	0.18136728	3.0909840	21	10 27.8	18.3
86140 1999 RA_{183}	13.0	X	285.58942	350.44219	356.77307	21.35575	0.0388440	0.17053637	3.2205104	21	6 14.9	18.0
86141 1999 RD_{184}	14.2	X	202.79137	88.26666	2.61460	21.92916	0.1121196	0.17119403	3.2122572	21	7 19.7	19.6
86142 1999 RJ_{184}	14.5	X	326.10093	7.17284	11.78538	11.48135	0.1925196	0.17806654	3.1290644	21	9 12.4	18.0
86143 1999 RV_{186}	15.2	X	351.41321	60.76181	331.53611	5.30917	0.1264340	0.18344663	3.0675823	21	11 13.4	18.9
86144 1999 RK_{191}	14.6	X	332.75327	5.76298	17.18640	9.81334	0.0976299	0.18102902	3.0948332	21	10 3.7	18.2
86145 1999 RU_{191}	14.6	X	139.03140	249.83278	347.53379	4.90102	0.1113299	0.18584083	3.0411788	21	11 3.7	19.4
86146 1999 RA_{194}	14.3	X	346.09228	130.93789	262.56379	3.77240	0.1648984	0.18185939	3.0854054	21	11 8.1	17.7
86147 1999 RB_{196}	14.4	X	167.62447	138.37520	306.94754	15.26340	0.1855342	0.21145394	2.7903511	21	6 1.4	19.3
86148 1999 RV_{196}	14.4	X	79.33021	38.62902	299.41518	9.20335	0.1176399	0.18941813	3.0027674	21	—	—
86149 1999 RA_{199}	14.4	X	346.90695	61.52834	301.95433	21.06477	0.1076736	0.18058053	3.0999553	21	9 16.8	18.7
86150 1999 RP_{200}	14.4	X	176.54662	301.38065	313.54650	12.06301	0.1187619	0.19208193	2.9749411	21	—	—
86151 1999 RW_{200}	13.5	X	267.07790	41.82690	322.15636	18.86435	0.0547218	0.16949213	3.2337246	21	6 12.3	18.5
86152 1999 RZ_{200}	13.9	X	330.64143	9.42206	286.55949	15.32259	0.0886846	0.17050457	3.2209109	21	6 6.3	18.2
86153 1999 RE_{201}	13.4	X	270.24440	103.28813	312.62874	16.20200	0.1973186	0.17313169	3.1882448	21	8 1.3	18.0
86154 1999 RH_{201}	14.4	X	45.78878	9.06526	327.69353	17.32408	0.2469162	0.18465117	3.0542272	21	12 12.6	19.0
86155 1999 RS_{201}	13.7	X	254.54046	199.59538	241.72588	13.36344	0.1630222	0.17389021	3.1789665	21	8 13.2	18.8
86156 1999 RB_{203}	13.3	X	266.82297	112.67551	302.64275	16.06130	0.1488976	0.17386673	3.1792528	21	8 1.5	17.9
86157 1999 RW_{203}	14.6	X	21.74119	337.68099	332.09888	9.56364	0.1915516	0.17846684	3.1243837	21	9 22.1	18.3
86158 1999 RY_{203}	14.4	X	121.89146	343.31981	240.62556	15.15727	0.0135111	0.17922570	3.1155581	21	9 18.6	19.1
86159 1999 RB_{204}	14.5	X	323.26157	63.97380	305.88599	9.86594	0.0513772	0.17616251	3.1515707	21	8 31.2	18.8
86160 1999 RM_{205}	14.1	X	326.48678	109.90286	264.11042	12.19530	0.0755282	0.17692547	3.1425037	21	9 5.3	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86161 1999 RQ_{205}	13.5	X	257.02674	119.14353	319.56001	13.62618	0.0464983	0.17541015	3.1605759	21	8 31.5	18.1
86162 1999 RR_{205}	13.2	X	346.42334	167.01034	246.99628	10.37605	0.0963126	0.18414270	3.0598470	21	12 3.8	16.8
86163 1999 RT_{205}	13.3	X	195.14402	324.68182	296.17202	9.04450	0.0572486	0.19299889	2.9655108	21	—	—
86164 1999 RG_{207}	14.1	X	272.07481	137.77461	275.00793	8.22177	0.0731144	0.17375477	3.1806183	21	8 13.9	18.7
86165 1999 RZ_{207}	14.2	X	75.35721	340.37332	296.42214	9.16977	0.0814615	0.17993733	3.1073382	21	10 7.9	18.8
86166 1999 RE_{208}	14.0	X	330.28339	82.28446	269.41130	11.44940	0.1732421	0.17511339	3.1641457	21	8 7.2	17.8
86167 1999 RM_{209}	13.7	X	320.03047	164.94205	276.07776	9.79841	0.1880830	0.18225727	3.0809132	21	11 20.8	17.2
86168 1999 RQ_{209}	13.3	X	77.04566	109.57774	277.48961	9.42047	0.1061885	0.19189299	2.9768935	21	—	—
86169 1999 RW_{209}	14.9	X	51.28619	5.21821	329.34792	10.43823	0.1233771	0.18351857	3.0667806	21	11 27.2	19.3
86170 1999 RJ_{210}	13.7	X	45.21416	96.61627	321.32399	9.40508	0.0884698	0.19130305	2.9830105	21	—	—
86171 1999 RO_{211}	13.7	X	294.14869	187.42553	206.71114	27.43400	0.1590746	0.17382897	3.1797132	21	8 2.8	18.6
86172 1999 RP_{211}	14.3	X	120.62674	18.49920	323.68467	9.55054	0.0987207	0.19230325	2.9726582	21	—	—
86173 1999 RH_{212}	14.8	X	0.71907	139.61091	258.98656	8.24224	0.0786226	0.18436676	3.0573674	21	12 4.3	18.6
86174 1999 RV_{212}	14.3	X	49.98537	0.20610	321.13151	8.61130	0.1049190	0.18164681	3.0878121	21	11 5.3	18.7
86175 1999 RE_{213}	14.2	X	60.02312	75.54791	264.54308	14.12344	0.0864911	0.18752235	3.0229713	21	12 12.2	18.3
86176 1999 RO_{214}	13.4	X	342.44335	89.36376	355.45842	10.80852	0.1177719	0.18732108	3.0251363	21	—	—
86177 1999 RY_{215}	7.1	X	353.57188	50.46332	326.50186	22.12464	0.2428001	0.00319840	45.6227075	21	9 21.2	22.5
86178 1999 RP_{218}	15.1	X	27.23193	170.97577	191.76692	7.14958	0.0701717	0.18533852	3.0466712	21	11 26.9	19.2
86179 1999 RW_{220}	14.6	X	20.05700	103.03911	304.85051	9.58620	0.0644436	0.18985733	2.9981346	21	—	—
86180 1999 RG_{221}	14.8	X	346.64262	256.81419	116.54456	6.84064	0.2400662	0.17961072	3.1111041	21	10 19.0	17.8
86181 1999 RU_{222}	13.9	X	124.86914	34.39259	279.00519	9.48061	0.0878567	0.19247535	2.9708859	21	—	—
86182 1999 RA_{223}	13.8	X	336.23442	21.11749	303.08979	11.50295	0.0381629	0.17420190	3.1751735	21	7 25.5	17.8
86183 1999 RY_{223}	14.5	X	148.10444	344.84825	299.26642	8.47967	0.0552102	0.19111416	2.9849757	21	—	—
86184 1999 RL_{230}	14.6	X	98.53087	332.03137	1.57284	9.73087	0.1104690	0.19296054	2.9659037	21	—	—
86185 1999 RN_{230}	13.6	X	225.55550	345.22277	150.30975	17.57550	0.1049071	0.17996272	3.1070460	21	10 4.1	18.4
86186 1999 RX_{234}	14.2	X	258.90593	312.69744	148.75980	11.62333	0.0475186	0.18030556	3.1031061	21	10 8.2	18.6
86187 1999 RQ_{239}	14.3	X	11.77521	236.16409	160.42247	13.66723	0.1365725	0.18419665	3.0592495	21	12 24.6	18.4
86188 1999 RV_{241}	15.1	X	355.22566	341.29642	354.99222	4.72597	0.1520086	0.17789798	3.1310406	21	9 8.9	18.6
86189 1999 RK_{242}	15.1	X	97.73256	200.73923	163.41084	5.87211	0.1345594	0.19624892	2.9326790	21	—	—
86190 1999 RQ_{247}	14.3	X	349.84736	188.72453	157.01747	17.89919	0.1794467	0.17773872	3.1329108	21	9 12.9	17.7
86191 1999 RY_{251}	14.2	X	12.10883	108.35167	234.60763	20.92807	0.0178595	0.18057490	3.1000197	21	9 30.9	18.9
86192 1999 SV_{1}	14.4	X	212.53275	290.50765	256.54035	18.28091	0.0366664	0.36881396	1.9257407	21	12 31.8	16.4
86193 1999 SA_{2}	16.2	X	49.80360	168.65530	204.38097	22.05844	0.0822878	0.36993345	1.9218536	21	—	—
86194 1999 SD_{2}	15.3	X	102.63204	255.92946	209.24063	23.23143	0.1476482	0.38763105	1.8629034	21	3 20.9	16.9
86195 1999 ST_{9}	14.5	X	320.31068	10.19662	358.28632	6.02442	0.1870590	0.17469903	3.1691470	21	8 16.5	18.1
86196 Specula	14.5	X	298.95154	199.12483	235.04086	16.59707	0.1813688	0.17773179	3.1329921	21	9 30.9	18.7
86197 1999 SP_{15}	14.8	X	91.68824	2.53147	324.58244	9.59654	0.1106285	0.18800013	3.0178475	21	—	—
86198 1999 SO_{16}	14.8	X	81.45548	50.17879	333.11920	9.37092	0.0910380	0.19319976	2.9634549	21	—	—
86199 1999 SS_{20}	14.3	X	45.25158	236.24505	349.22032	3.20626	0.0983391	0.16950237	3.2335943	21	6 30.7	18.5
86200 1999 SE_{26}	14.4	X	75.75404	345.53752	262.28451	9.44860	0.1727307	0.17789390	3.1310885	21	9 14.7	19.1
86201 1999 TD_{1}	14.3	X	25.28044	128.66396	199.55312	23.11910	0.1814206	0.17965810	3.1105571	21	10 25.2	18.0
86202 1999 TT_{1}	14.0	X	355.55953	321.63604	18.06876	10.62897	0.2278278	0.17700748	3.1415331	21	9 19.8	17.1
86203 1999 TA_{2}	14.4	X	142.37129	34.46988	309.28984	16.22410	0.3603364	0.19725739	2.9226751	21	1 26.6	19.3
86204 1999 TQ_{2}	14.4	X	22.55895	261.63646	140.35416	21.44217	0.2995252	0.18534837	3.0465633	21	—	—
86205 1999 TC_{3}	14.0	X	228.19792	345.71198	112.70483	7.10239	0.0766006	0.17346679	3.1841375	21	8 22.6	18.8
86206 1999 TK_{9}	14.2	X	338.53201	23.88034	15.19839	4.45475	0.2333337	0.17869807	3.1216879	21	10 31.4	17.2
86207 1999 TP_{15}	14.4	X	303.00095	359.08750	20.68601	10.26968	0.0718834	0.17265910	3.1940599	21	8 21.0	18.8
86208 1999 TD_{16}	13.8	X	270.37955	18.97537	15.26361	6.66015	0.1402558	0.17158404	3.2073877	21	7 13.7	18.5
86209 1999 TZ_{16}	14.4	X	72.13941	314.11784	73.75241	3.84934	0.2479041	0.19126061	2.9834518	21	—	—
86210 1999 TT_{20}	15.1	X	21.89824	146.73633	238.25613	1.67262	0.1182223	0.18491689	3.0513006	21	12 22.1	18.9
86211 1999 TW_{20}	15.1	X	357.30380	172.84009	198.69944	5.38371	0.1791677	0.18009505	3.1055238	21	11 1.9	18.6
86212 1999 TG_{21}	15.0	X	42.04902	37.56730	35.90166	25.33514	0.3098427	0.27943731	2.3171089	21	—	—
86213 1999 TY_{24}	14.4	X	355.88822	204.14689	187.98148	11.01601	0.1095242	0.18325983	3.0696665	21	11 22.8	18.3
86214 1999 TC_{29}	13.9	X	234.72426	39.05967	1.27521	9.27624	0.0732868	0.16884406	3.2419939	21	6 16.6	18.8
86215 1999 TY_{31}	14.6	X	339.26307	338.94579	17.63385	19.62943	0.1561535	0.17611922	3.1520871	21	9 14.1	18.4
86216 1999 TV_{32}	14.6	X	35.67759	333.78180	2.34704	8.96087	0.0936068	0.18206971	3.0830288	21	11 3.9	18.7
86217 1999 TB_{35}	15.0	X	267.17887	91.64678	18.55735	20.23142	0.1047033	0.36001822	1.9569800	21	11 12.2	16.8
86218 1999 TH_{37}	14.3	X	91.34330	234.06192	141.88429	11.46713	0.1070845	0.19147775	2.9811959	21	—	—
86219 1999 TR_{37}	14.3	X	61.33755	78.91220	291.16781	9.06443	0.1052521	0.19035528	2.9929038	21	—	—
86220 1999 TX_{60}	15.1	X	34.94554	48.50092	223.03944	2.75557	0.1472229	0.17699691	3.1416581	21	8 19.9	19.0
86221 1999 TY_{65}	15.0	X	8.81488	85.15239	231.20648	4.68021	0.1823903	0.17624523	3.1505845	21	9 6.3	18.5
86222 1999 TJ_{85}	15.1	X	348.74994	140.80866	175.57565	1.81521	0.1555681	0.17100820	3.2145838	21	7 29.5	18.7
86223 1999 TE_{96}	14.5	X	49.98009	179.23864	172.11213	9.85381	0.0978816	0.18485051	3.0520311	21	12 15.3	18.9
86224 1999 TJ_{97}	14.5	X	67.60363	184.47338	161.16204	16.22877	0.0504706	0.18630567	3.0361181	21	12 23.3	19.1
86225 1999 TV_{97}	14.0	X	335.36680	226.60791	181.60597	16.41046	0.1293051	0.18077149	3.0977718	21	11 11.2	17.9
86226 1999 TC_{102}	14.0	X	45.78788	290.49074	101.33355	11.06731	0.0988927	0.18759631	3.0221767	21	—	—
86227 1999 TM_{102}	14.8	X	95.16920	197.41025	129.66771	13.67897	0.2866873	0.18849022	3.0126141	21	—	—
86228 1999 TW_{107}	14.5	X	9.53565	78.17053	272.47572	8.26572	0.0949443	0.18196081	3.0842587	21	10 14.9	18.5
86229 1999 TZ_{107}	13.6	X	251.78217	183.02703	276.28809	11.40910	0.0381957	0.17977135	3.1092506	21	9 18.2	18.3
86230 1999 TH_{108}	13.5	X	315.03896	227.77495	306.58658	12.47881	0.0520923	0.19729727	2.9222812	21	—	—
86231 1999 TU_{109}	13.9	X	182.58048	294.99551	330.20194	8.19489	0.0646595	0.19296033	2.9659059	21	—	—
86232 1999 TG_{111}	13.8	X	330.52531	146.95504	295.63422	7.99417	0.1113934	0.18568102	3.0429236	21	12 15.9	17.5
86233 1999 TT_{111}	14.7	X	68.08042	302.69839	352.94550	13.88973	0.1832070	0.18369441	3.0648231	21	11 4.8	19.4
86234 1999 TY_{111}	14.2	X	248.11809	95.15968	336.15856	3.82589	0.1389284	0.17247707	3.1963069	21	8 3.0	19.0
86235 1999 TW_{114}	14.6	X	276.83419	180.31854	219.12086	4.35793	0.1703947	0.17261775	3.1945700	21	7 21.5	19.2
86236 1999 TJ_{115}	14.2	X	311.89378	68.53019	278.63461	4.33083	0.1762138	0.17303254	3.1894627	21	7 3.4	18.2
86237 1999 TQ_{116}	15.2	X	7.65579	306.03109	31.23413	1.28023	0.1689751	0.17896845	3.1185430	21	10 4.5	18.5
86238 1999 TJ_{118}	13.5	X	63.68384	64.75266	358.14606	11.70220	0.0411055	0.19502396	2.9449464	21	—	—
86239 1999 TV_{118}	13.7	X	176.74751	115.95362	7.44157	8.25250	0.0397853	0.17074410	3.2178977	21	7 29.6	18.5
86240 1999 TU_{119}	14.2	X	246.61067	82.37339	348.31360	4.39202	0.1309898	0.17129074	3.2110480	21	8 1.9	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86241 1999 TE_{120}	13.6	X	151.73451	259.59592	349.28234	9.03365	0.0549574	0.18515728	3.0486590	21	11 28.5	18.3
86242 1999 TT_{127}	14.9	X	353.69826	208.89884	148.50877	6.24786	0.1515289	0.17797133	3.1301802	21	10 6.5	18.4
86243 1999 TW_{130}	14.6	X	251.58870	77.59936	353.07760	6.03624	0.1115028	0.17309579	3.1886857	21	8 10.6	19.3
86244 1999 TA_{132}	15.3	X	24.32156	80.31274	225.67557	1.72289	0.1010153	0.17750053	3.1357128	21	9 12.6	19.4
86245 1999 TN_{143}	14.3	X	25.56090	280.54496	359.87276	15.93964	0.0996503	0.17374035	3.1807943	21	8 18.4	18.5
86246 1999 TO_{143}	14.2	X	227.28027	98.91686	329.86344	6.50397	0.0897041	0.16980371	3.2297675	21	7 13.7	19.1
86247 1999 TP_{145}	14.1	X	38.05950	246.00398	27.36137	5.31960	0.1284547	0.17571327	3.1569401	21	8 28.2	18.1
86248 1999 TT_{154}	14.6	X	270.96873	340.86394	65.75518	6.33348	0.1656383	0.17080582	3.2171225	21	7 26.6	19.2
86249 1999 TU_{160}	14.2	X	302.73563	136.97931	232.71397	6.62976	0.0329358	0.17344163	3.1844455	21	8 5.3	18.6
86250 1999 TV_{172}	14.3	X	264.54067	222.91145	186.25200	4.92033	0.1363614	0.16978225	3.2300396	21	7 23.6	19.1
86251 1999 TE_{183}	14.5	X	326.92740	157.89799	166.17258	5.33294	0.1520862	0.17168805	3.2060922	21	6 30.4	18.4
86252 1999 TG_{186}	14.0	X	17.30875	318.90228	326.51978	14.47614	0.1430573	0.17318221	3.1876248	21	8 10.7	17.8
86253 1999 TT_{188}	13.9	X	300.89356	117.91877	234.40865	20.52528	0.0416959	0.16984249	3.2292759	21	7 7.9	18.7
86254 1999 TV_{188}	14.6	X	323.35780	353.68233	338.97663	12.20496	0.1454080	0.17128485	3.2111216	21	7 9.7	18.7
86255 1999 TC_{189}	14.5	X	70.44924	7.44340	329.01425	11.42709	0.1490790	0.18486086	3.0519171	21	12 28.1	19.2
86256 1999 TQ_{190}	14.2	X	354.05695	10.47642	329.34400	13.18727	0.0985994	0.17551837	3.1592768	21	9 6.9	18.1
86257 1999 TK_{207}	15.0	X	245.14728	261.35475	281.47915	18.65497	0.0842964	0.36949691	1.9233671	21	—	—
86258 1999 TK_{208}	14.7	X	35.76736	0.56331	336.07834	13.72633	0.0656956	0.17962953	3.1108869	21	10 28.0	19.2
86259 1999 TC_{229}	14.5	X	14.88745	172.55651	239.46560	8.99028	0.0960035	0.18929808	3.0040368	21	—	—
86260 1999 TT_{232}	14.4	X	43.70429	133.33221	163.70255	17.05600	0.2209464	0.17925771	3.1151873	21	10 21.8	18.6
86261 1999 TS_{233}	14.1	X	203.46198	270.83537	270.63739	8.66624	0.0618443	0.18371590	3.0645842	21	11 3.1	18.7
86262 1999 TE_{237}	14.6	X	35.00525	221.94145	131.74703	6.11440	0.1790185	0.18178410	3.0862573	21	12 10.2	18.7
86263 1999 TP_{244}	16.0	X	19.53734	181.30621	231.14912	19.53899	0.0870293	0.36509593	1.9387928	21	—	—
86264 1999 TK_{249}	14.3	X	18.59817	318.54747	325.19779	9.19095	0.2001304	0.17618474	3.1513056	21	8 15.5	17.5
86265 1999 TT_{249}	14.3	X	191.71754	273.41487	216.48663	9.80498	0.1070784	0.17207339	3.2013040	21	8 15.1	19.4
86266 1999 TX_{255}	15.5	X	94.19338	107.63204	181.28810	9.29002	0.1368714	0.18628251	3.0363698	21	11 25.8	20.2
86267 1999 TM_{256}	15.1	X	16.72692	163.36793	167.29980	0.28990	0.1813965	0.18026047	3.1036236	21	10 13.4	18.4
86268 1999 TK_{269}	14.6	X	263.61516	118.95073	306.23307	8.16510	0.0635855	0.17369229	3.1813811	21	8 21.5	19.2
86269 1999 TC_{272}	13.8	X	30.83884	244.30556	9.23378	22.47120	0.0989538	0.17026648	3.2239127	21	7 23.9	18.4
86270 1999 TZ_{279}	14.4	X	326.49823	200.97279	95.00021	2.72120	0.1324347	0.17009632	3.2260624	21	5 26.1	18.3
86271 1999 TR_{280}	14.9	X	190.63863	305.57718	131.36354	4.14276	0.1644528	0.21282391	2.7783637	21	6 12.5	19.5
86272 1999 TD_{286}	14.0	X	258.69496	113.17274	253.31517	8.91615	0.0331485	0.16892852	3.2409132	21	6 7.8	18.5
86273 1999 TX_{292}	14.0	X	310.81517	343.93281	353.40692	8.75011	0.1009306	0.16931628	3.2359632	21	6 30.4	18.4
86274 1999 TK_{310}	15.1	X	1.54227	263.49709	134.22247	1.70686	0.1657915	0.18432527	3.0578262	21	12 13.0	18.5
86275 1999 TA_{320}	14.3	X	204.87882	56.47764	311.62451	6.80482	0.0655647	0.16064545	3.3513806	21	4 4.1	19.5
86276 1999 TA_{323}	14.7	X	41.92184	161.83095	181.02844	11.66558	0.0869470	0.18244793	3.0787665	21	11 24.2	19.0
86277 1999 TS_{323}	13.9	X	18.89558	19.47578	288.39741	13.85560	0.2162340	0.17673580	3.1447517	21	9 12.0	17.7
86278 1999 UN	15.3	X	63.31975	289.73242	19.57938	7.68164	0.3262178	0.18445559	3.0563858	21	12 7.1	20.2
86279 Brucegary	15.6	X	128.71214	263.37463	21.88391	21.84313	0.0678713	0.36708722	1.9317750	21	—	—
86280 1999 UQ_{9}	15.3	X	244.89632	4.57990	281.53238	24.07975	0.0754394	0.38227401	1.8802671	21	1 1.9	17.3
86281 1999 UZ_{10}	12.8	X	271.44674	129.23227	294.42485	20.56116	0.0258082	0.17254036	3.1955252	21	8 26.8	17.6
86282 1999 UU_{15}	14.7	X	104.47534	163.58806	190.39355	8.70091	0.0980860	0.19046637	2.9917400	21	—	—
86283 1999 UP_{24}	14.2	X	319.29361	133.24614	248.20409	8.07365	0.1387844	0.17497929	3.1657622	21	8 31.6	18.3
86284 1999 UA_{28}	15.5	X	224.53748	61.85207	202.15501	6.35357	0.1427812	0.28975917	2.2617499	21	—	—
86285 1999 UR_{39}	14.0	X	63.06065	227.14665	30.73922	9.71378	0.0403496	0.17447041	3.1719149	21	9 1.9	18.5
86286 1999 UQ_{43}	14.7	X	272.67280	131.40775	280.58973	15.07604	0.1709485	0.17140835	3.2095790	21	7 29.9	19.4
86287 1999 UX_{44}	13.7	X	283.83788	115.72811	282.23101	9.44581	0.1917350	0.17277133	3.1926766	21	7 25.2	18.0
86288 1999 UC_{45}	13.1	X	35.93340	27.98127	306.41001	13.96299	0.1768371	0.18221545	3.0813846	21	11 12.6	17.4
86289 1999 US_{46}	14.6	X	17.25708	252.06069	132.46605	10.02176	0.1536955	0.18333071	3.0688753	21	12 19.9	18.6
86290 1999 UH_{47}	14.7	X	304.84293	0.05792	0.71575	4.72896	0.1644654	0.17111707	3.2132202	21	7 13.2	18.9
86291 1999 UZ_{49}	14.2	X	90.46884	259.19167	46.94789	17.46332	0.0948604	0.18299879	3.0725850	21	12 3.5	18.8
86292 1999 VY_{11}	14.1	X	40.52632	86.61526	281.53095	9.11460	0.3687686	0.18486433	3.0518789	21	—	—
86293 1999 VX_{12}	13.4	X	306.81914	24.31078	334.98077	19.59127	0.0661711	0.17066370	3.2189083	21	8 1.2	17.9
86294 1999 VM_{13}	15.7	X	285.74695	155.68160	242.64510	19.32238	0.0904330	0.35512275	1.9749240	21	8 15.0	18.1
86295 1999 VZ_{14}	15.0	X	10.30072	336.66172	357.01429	8.74604	0.0624772	0.17915440	3.1163847	21	9 24.6	18.9
86296 1999 VA_{21}	15.9	X	163.69586	63.64102	236.11947	20.09899	0.0595083	0.37113469	1.9177045	21	—	—
86297 1999 VP_{21}	13.2	X	287.59412	355.73781	47.64743	18.64820	0.1190409	0.17203292	3.2018059	21	8 28.9	17.9
86298 1999 VO_{22}	14.0	X	317.26688	12.49215	8.50678	8.40860	0.2226679	0.17473480	3.1687145	21	8 24.6	17.5
86299 1999 VB_{26}	15.5	X	115.36932	213.74075	238.41402	23.90085	0.1449258	0.29117531	2.2544106	21	4 2.2	18.8
86300 1999 VU_{33}	14.7	X	33.28166	200.56566	227.88385	4.81458	0.1254370	0.18733847	3.0249491	21	—	—
86301 1999 VL_{43}	15.1	X	340.81972	356.62548	5.18706	2.46717	0.2014626	0.17707921	3.1406846	21	9 15.2	18.1
86302 1999 VJ_{46}	15.8	X	194.20206	124.95433	38.08375	21.41200	0.0725955	0.35695947	1.9681436	21	10 26.1	17.8
86303 1999 VL_{58}	14.4	X	347.70926	312.27627	54.91161	1.79547	0.1749948	0.17590602	3.1546335	21	10 7.3	17.7
86304 1999 VC_{60}	14.7	X	45.35668	260.55111	86.15054	0.25535	0.1988772	0.18267690	3.0761933	21	12 17.2	18.9
86305 1999 VN_{66}	14.6	X	317.32062	154.56183	207.49713	3.71237	0.1662272	0.17177603	3.2049973	21	8 1.7	18.6
86306 1999 VQ_{67}	13.6	X	104.12091	173.23014	56.31469	11.69215	0.0589349	0.17211963	3.2007306	21	9 20.9	18.4
86307 1999 VL_{78}	14.4	X	52.50657	60.77305	226.00258	13.81118	0.1663266	0.17791496	3.1308414	21	10 5.7	18.7
86308 1999 VN_{85}	14.0	X	358.72479	249.05030	73.37482	27.31349	0.2418381	0.17567871	3.1573541	21	9 18.2	17.9
86309 1999 VA_{90}	16.8	X	74.08277	188.65236	200.51821	1.73227	0.1921254	0.28232551	2.3012792	21	—	—
86310 1999 VK_{96}	15.1	X	334.29867	197.97474	165.57244	0.61841	0.0932316	0.17464706	3.1697757	21	9 9.2	19.1
86311 1999 VE_{126}	15.0	X	348.63919	204.83506	57.39968	1.35639	0.0821256	0.16704394	3.2652435	21	5 21.1	19.1
86312 1999 VC_{146}	14.6	X	54.13562	204.12587	107.88651	1.94345	0.1508427	0.18063291	3.0993560	21	11 9.5	18.9
86313 1999 VL_{159}	14.3	X	300.17503	144.02759	236.47456	6.27543	0.1530070	0.17228119	3.1987292	21	7 30.7	18.5
86314 1999 VX_{161}	14.5	X	314.77881	96.67948	272.60540	3.55466	0.1987639	0.17243476	3.1968297	21	8 2.9	18.4
86315 1999 VU_{177}	14.9	X	84.03583	119.52498	207.03133	16.56207	0.2488313	0.18955382	3.0013342	21	—	—
86316 1999 VS_{179}	15.1	X	45.12882	230.65572	145.61646	11.90290	0.1391781	0.18408606	3.0604746	21	—	—
86317 1999 VH_{192}	13.9	X	79.25669	313.78202	329.80704	8.62833	0.2448503	0.18162739	3.0880322	21	11 11.1	18.9
86318 1999 VS_{192}	14.4	X	348.49322	101.94048	218.94847	24.50703	0.2729866	0.17572646	3.1567821	21	7 22.6	18.0
86319 1999 VF_{199}	14.5	X	342.78963	223.20690	158.30975	11.34388	0.1106001	0.17615843	3.1516194	21	10 19.5	18.4
86320 1999 VT_{199}	14.3	X	299.31042	279.78180	101.40985	14.55715	0.1522674	0.17165494	3.2065044	21	8 3.2	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86321 1999 VS_{202}	15.6	X	164.17825	3.97607	229.07990	20.14871	0.0385267	0.36765676	1.9297795	21	12 28.1	18.0
86322 1999 VJ_{216}	14.7	X	101.76972	37.43727	308.03253	6.79224	0.0730694	0.18922416	3.0048190	21	—	—
86323 1999 VJ_{219}	14.5	X	23.58814	8.59067	318.10547	4.39246	0.1487979	0.17666234	3.1456235	21	10 12.5	18.5
86324 1999 WA_{2}	15.7	X	352.03253	75.26389	293.67566	34.60573	0.4345183	0.35735666	1.9666849	21	—	—
86325 1999 WC_{6}	14.2	X	21.23268	205.73972	155.01195	2.64316	0.1988828	0.18037915	3.1022622	21	12 1.6	18.0
86326 1999 WK_{13}	17.3	X	237.88397	312.55658	78.45635	34.31245	0.3626787	0.39355090	1.8441749	21	5 20.1	20.7
86327 1999 WM_{13}	14.5	X	296.42873	193.64646	226.24166	4.77073	0.2013724	0.17215391	3.2003056	21	9 7.4	18.6
86328 1999 XX_{3}	14.7	X	332.26603	260.72917	97.81500	7.76083	0.1721222	0.17277532	3.1926274	21	8 27.9	18.3
86329 1999 XZ_{7}	16.0	X	344.40175	25.74431	336.50659	18.27427	0.0830619	0.35423463	1.9782236	21	10 11.0	18.0
86330 1999 XR_{14}	16.2	X	53.10498	185.15154	239.35006	20.48706	0.0508214	0.37567821	1.9022111	21	—	—
86331 1999 XY_{19}	13.8	X	161.99487	97.09361	37.82786	22.84193	0.0862152	0.16872276	3.2435476	21	8 2.6	19.2
86332 1999 XG_{21}	14.4	X	10.02323	273.02583	66.61223	10.95427	0.1262317	0.17676653	3.1443872	21	10 12.5	18.4
86333 1999 XA_{26}	14.9	X	70.39265	216.24582	161.54673	4.22143	0.2008439	0.18730612	3.0252974	21	—	—
86334 1999 XO_{27}	14.2	X	336.99979	268.46976	103.99127	2.35073	0.2211250	0.17523476	3.1626846	21	9 21.8	17.4
86335 1999 XP_{29}	14.3	X	356.91281	121.80092	231.55627	10.82915	0.2333637	0.17566497	3.1575188	21	10 6.3	17.5
86336 1999 XD_{32}	15.3	X	67.19532	234.57488	256.32021	4.11101	0.0755608	0.28448342	2.2896270	21	3 8.5	17.7
86337 1999 XP_{32}	15.7	X	305.08817	118.55166	279.95252	4.38528	0.1454892	0.30584143	2.1817509	21	9 16.8	17.5
86338 1999 XK_{34}	15.9	X	201.00716	195.81551	231.35223	2.16398	0.1291545	0.29474424	2.2361752	21	6 8.4	19.0
86339 1999 XV_{40}	13.6	X	313.16457	133.69822	239.31790	21.02133	0.1278784	0.17215197	3.2003297	21	8 6.2	18.1
86340 1999 XQ_{49}	17.0	X	235.28698	44.96379	28.72607	1.71541	0.1196157	0.30437080	2.1887730	21	7 28.4	19.7
86341 1999 XH_{54}	14.9	X	280.33159	288.99946	123.94359	2.18334	0.1717973	0.17000409	3.2272292	21	8 13.3	19.4
86342 1999 XP_{54}	16.3	X	321.08067	355.33477	88.71115	4.02109	0.1466543	0.27063120	2.3671047	21	12 27.6	18.3
86343 1999 XZ_{56}	14.2	X	230.59846	282.01538	123.13472	1.67105	0.2143379	0.16414973	3.3035123	21	6 7.4	19.5
86344 1999 XA_{67}	16.0	X	3.42957	73.29303	87.64034	4.89708	0.1645168	0.28314622	2.2968301	21	—	—
86345 1999 XE_{84}	16.3	X	258.36538	312.41324	105.26597	5.39327	0.1175848	0.30329699	2.1939362	21	8 5.4	18.7
86346 1999 XO_{84}	15.4	X	235.67928	352.63056	105.16672	4.21682	0.0657200	0.30427528	2.1892311	21	9 11.5	18.0
86347 1999 XU_{89}	16.0	X	68.67209	266.60995	246.62377	3.06822	0.0882305	0.28920975	2.2646135	21	4 15.8	18.4
86348 1999 XF_{102}	14.1	X	301.95577	136.13502	286.71504	3.30209	0.1618611	0.17242009	3.1970110	21	9 26.0	18.0
86349 1999 XO_{102}	16.3	X	155.71813	187.33831	290.09818	2.49659	0.1138669	0.29656288	2.2270238	21	6 28.0	19.3
86350 1999 XW_{102}	16.0	X	136.05916	64.74556	75.97770	5.66813	0.0970908	0.29625023	2.2285904	21	7 6.6	18.8
86351 1999 XS_{105}	15.3	X	90.01950	251.12440	227.77832	5.37635	0.1625618	0.28755465	2.2732949	21	4 12.2	17.7
86352 1999 XR_{111}	16.9	X	135.96505	102.09296	7.51885	0.93294	0.1476930	0.29504668	2.2346468	21	5 28.1	19.8
86353 1999 XX_{113}	14.7	X	332.31133	79.34815	294.04384	13.60676	0.3025613	0.17558316	3.1584995	21	8 27.3	17.7
86354 1999 XB_{116}	14.6	X	58.41048	26.17711	355.73663	9.60405	0.1210071	0.18716324	3.0268368	21	—	—
86355 1999 XF_{116}	16.0	X	263.49167	132.40950	307.62359	4.44476	0.1571203	0.30939895	2.1649946	21	9 6.6	18.3
86356 1999 XR_{122}	14.3	X	16.27364	88.72630	276.47392	7.04655	0.1664758	0.17985889	3.1082416	21	11 23.5	18.0
86357 1999 XF_{123}	14.1	X	47.82245	40.74288	308.94836	6.89416	0.2228314	0.18275174	3.0753534	21	12 27.3	18.5
86358 1999 XB_{143}	13.3	X	240.98904	21.05001	65.31904	12.87831	0.3160063	0.16881705	3.2423397	21	7 29.9	18.9
86359 1999 XQ_{143}	15.7	X	275.15932	287.32623	269.84890	19.05000	0.0510708	0.36926639	1.9241674	21	—	—
86360 1999 XR_{162}	13.6	X	0.35242	67.25469	253.97259	23.94287	0.2144234	0.17654641	3.1470004	21	8 17.0	17.5
86361 1999 XE_{178}	13.9	X	327.31235	82.29118	314.14878	11.72339	0.2686567	0.17250768	3.1959288	21	9 21.4	17.3
86362 1999 XS_{178}	15.7	X	109.88813	65.74573	83.35258	6.37429	0.0967367	0.29317451	2.2441501	21	6 14.5	18.5
86363 1999 XT_{179}	16.1	X	127.13684	186.68288	74.68203	7.39263	0.0912785	0.31051811	2.1597895	21	12 10.4	19.1
86364 1999 XC_{194}	13.5	X	242.89650	148.29138	30.00669	6.80416	0.0839359	0.17831387	3.1261702	21	12 11.6	18.1
86365 1999 XH_{207}	16.4	X	293.78167	179.87847	320.03794	7.49349	0.1888749	0.27002790	2.3706291	21	—	—
86366 1999 XO_{213}	13.5	X	322.19140	243.34943	123.54553	8.66667	0.2539347	0.12541485	3.9527869	21	8 4.1	17.9
86367 1999 XY_{223}	14.5	X	223.81023	283.97061	102.94219	6.08822	0.2607072	0.15907844	3.3733533	21	5 10.8	20.3
86368 1999 XB_{225}	16.4	X	78.32452	315.01392	295.78672	3.51715	0.1803563	0.30104962	2.2048413	21	10 7.8	19.4
86369 1999 XK_{226}	15.8	X	31.64429	247.87223	296.42100	5.12436	0.0874277	0.28740872	2.2740644	21	3 25.9	18.2
86370 1999 XR_{228}	17.0	X	81.90848	119.10484	339.02604	1.27143	0.1468173	0.28474098	2.2882461	21	2 25.4	18.8
86371 1999 XZ_{234}	13.7	X	68.01820	8.27500	94.35261	11.12537	0.0306070	0.14999563	3.5081944	21	2 26.1	18.7
86372 1999 XA_{254}	15.9	X	336.99427	94.25115	121.26525	1.99900	0.0867610	0.19263095	2.9692859	21	3 1.7	19.7
86373 1999 YK	15.5	X	93.14743	265.49961	113.46999	27.55134	0.1838801	0.37163678	1.9159769	21	—	—
86374 1999 YD_{3}	15.9	X	38.50151	93.14135	333.10199	18.12853	0.0947875	0.36729625	1.9310420	21	—	—
86375 2000 AT_{2}	16.2	X	340.35907	7.57093	319.56502	4.18096	0.0163947	0.29979447	2.2109910	21	8 11.1	18.6
86376 2000 AX_{4}	16.0	X	156.07048	128.92463	309.28195	0.27905	0.1601122	0.29181440	2.2511179	21	5 8.4	19.1
86377 2000 AQ_{12}	12.3	X	334.53055	140.37214	276.00156	11.52582	0.0626310	0.08561253	5.0985243	21	10 29.4	19.0
86378 2000 AV_{18}	14.8	X	354.06478	352.65395	3.40883	3.67566	0.2470596	0.17509706	3.1643425	21	10 6.9	17.7
86379 2000 AY_{26}	15.8	X	220.54260	128.16677	297.31978	6.20960	0.1252481	0.29917842	2.2140251	21	6 27.9	18.8
86380 2000 AD_{40}	16.2	X	25.39179	15.78593	344.02526	3.27591	0.1462335	0.31205467	2.1526938	21	12 29.4	18.6
86381 2000 AM_{40}	16.0	X	333.09119	21.35048	17.45970	3.78577	0.0873063	0.30887915	2.1674229	21	11 18.9	17.9
86382 2000 AY_{41}	16.1	X	317.38057	339.66176	22.57710	4.37317	0.1120830	0.30189335	2.2007313	21	8 21.7	18.0
86383 2000 AJ_{42}	15.7	X	319.38473	167.75673	275.06309	18.06895	0.0805353	0.36239701	1.9484068	21	—	—
86384 2000 AS_{47}	15.9	X	117.84248	112.31539	318.94892	8.35789	0.0922896	0.28437596	2.2902038	21	3 3.5	18.7
86385 2000 AK_{51}	13.1	X	247.07409	195.78877	243.23455	20.36907	0.0217066	0.17271596	3.1933590	21	8 16.4	18.1
86386 2000 AN_{56}	16.0	X	0.57592	219.61923	310.61204	4.72453	0.1177952	0.28061296	2.3106326	21	1 11.3	18.3
86387 2000 AG_{60}	16.4	X	92.43446	326.24486	100.66398	1.06669	0.1954988	0.28216801	2.3021354	21	2 6.6	18.3
86388 2000 AT_{60}	16.0	X	252.03691	273.62960	110.35233	4.89912	0.1272300	0.29651567	2.2272602	21	6 6.7	18.8
86389 2000 AM_{67}	15.8	X	291.01785	295.30070	103.74504	4.83769	0.1493335	0.30341015	2.1933906	21	8 24.6	17.7
86390 2000 AW_{74}	16.7	X	47.65108	253.36270	221.31720	4.09038	0.1909485	0.28302938	2.2974622	21	1 11.9	18.3
86391 2000 AE_{87}	16.3	X	262.12335	148.00581	280.38506	5.12653	0.0843994	0.30326939	2.1940692	21	8 29.2	18.8
86392 2000 AH_{90}	16.7	X	30.25282	79.99772	129.69174	4.16277	0.1073466	0.28946075	2.2633042	21	5 8.5	18.7
86393 2000 AG_{112}	16.4	X	142.97826	223.43382	234.44513	2.45602	0.1207078	0.29242057	2.2480058	21	5 17.5	19.2
86394 2000 AH_{124}	16.2	X	184.71632	342.29207	144.73006	4.25563	0.0611872	0.29924487	2.2136973	21	8 14.9	18.8
86395 2000 AM_{124}	16.2	X	117.72390	195.87620	272.87789	5.15101	0.0706048	0.28881077	2.2666987	21	4 21.5	19.0
86396 2000 AB_{129}	16.0	X	112.33650	277.07908	261.62088	5.20497	0.0817005	0.29562031	2.2317551	21	7 27.6	18.8
86397 2000 AF_{138}	14.4	X	359.78137	243.84281	129.35996	6.63507	0.2326725	0.18021773	3.1041143	21	11 15.8	17.6
86398 2000 AV_{139}	14.2	X	329.11017	261.40978	131.95894	6.27653	0.1384547	0.17671603	3.1449862	21	10 10.9	17.9
86399 2000 AV_{140}	16.1	X	134.90092	283.25701	189.96391	5.62212	0.1197691	0.29169021	2.2517568	21	5 30.1	19.1
86400 2000 AE_{141}	15.6	X	125.70749	220.46349	242.27003	5.37712	0.0916461	0.28898656	2.2657794	21	4 28.3	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86401 2000 AF_{143}	14.6	X	314.51052	316.63468	270.13199	5.40086	0.2919537	0.27634310	2.3343733	21	—	—
86402 2000 AB_{144}	15.2	X	23.18202	96.97895	310.85486	18.44200	0.1382118	0.36032477	1.9558699	21	—	—
86403 2000 AJ_{148}	13.6	X	275.52464	137.37999	260.81519	17.94004	0.1429056	0.17149112	3.2085461	21	7 18.9	18.3
86404 2000 AG_{150}	14.3	X	47.63610	170.65030	229.85229	11.22375	0.0882696	0.18228235	3.0806306	21	—	—
86405 2000 AN_{152}	16.0	X	77.33048	242.19109	126.64436	24.34198	0.0965219	0.36628059	1.9346101	21	—	—
86406 2000 AU_{152}	15.6	X	26.63241	278.80440	277.32807	20.95140	0.2556773	0.28490197	2.2873840	21	3 21.5	17.7
86407 2000 AK_{169}	14.5	X	297.09150	237.91875	165.64651	8.09370	0.1509926	0.17091359	3.2157700	21	8 27.0	18.6
86408 2000 AC_{185}	16.4	X	141.72274	329.91398	184.16911	6.15149	0.0903640	0.29695144	2.2250807	21	7 30.2	19.5
86409 2000 AK_{186}	14.4	X	346.50863	216.02068	142.09585	11.31344	0.2322128	0.17604434	3.1529809	21	9 25.4	17.5
86410 2000 AU_{192}	14.4	X	3.05418	245.36526	168.15224	15.23311	0.2655075	0.17911387	3.1168548	21	—	—
86411 2000 AQ_{201}	16.0	X	319.76873	294.01971	144.17380	24.22767	0.0813552	0.35760087	1.9657895	21	—	—
86412 2000 AW_{202}	15.6	X	25.90569	132.81984	99.49916	8.23759	0.1906683	0.28797032	2.2711068	21	6 12.4	17.1
86413 2000 AN_{203}	15.0	X	58.22456	228.97224	308.25297	21.36503	0.2420016	0.28459768	2.2890141	21	5 31.1	17.6
86414 2000 AK_{212}	15.9	X	268.56653	322.62934	321.12671	6.40890	0.1021439	0.28052143	2.3111352	21	2 13.1	19.1
86415 2000 AW_{221}	16.4	X	57.69784	176.59449	64.46698	2.29057	0.1143443	0.29710153	2.2243312	21	8 18.8	18.7
86416 2000 AP_{232}	15.6	X	33.76047	217.29876	312.83920	5.82147	0.0520165	0.28530803	2.2852132	21	3 9.4	18.0
86417 2000 AM_{242}	14.4	X	309.30474	246.66269	186.66766	13.43172	0.2674342	0.17274894	3.1929524	21	10 10.8	17.8
86418 2000 AE_{244}	14.2	X	299.35797	206.55154	206.80264	14.98900	0.2077929	0.17397356	3.1779512	21	8 31.4	18.4
86419 2000 AL_{245}	15.5	X	350.27563	248.04472	222.97064	19.16535	0.0671339	0.36800460	1.9285632	21	—	—
86420 2000 BT_{2}	15.4	X	81.46409	344.83825	354.60476	19.24439	0.0773417	0.36221917	1.9490445	21	—	—
86421 2000 BC_{3}	16.0	X	220.41281	342.68870	65.11528	2.27790	0.0972350	0.29446850	2.2375710	21	6 4.7	19.1
86422 2000 BX_{13}	16.0	X	247.21284	309.80362	325.24158	5.81791	0.0914423	0.27607041	2.3359102	21	1 12.1	19.3
86423 2000 BQ_{19}	16.4	X	355.65777	336.48758	301.54902	5.93653	0.1650480	0.29263523	2.2469064	21	6 14.6	18.1
86424 2000 BU_{20}	16.2	X	28.05472	112.70911	101.15465	1.30480	0.1554111	0.28837188	2.2689980	21	5 12.3	17.8
86425 2000 BQ_{22}	16.2	X	19.03443	73.11922	125.06260	2.69226	0.1284210	0.28479629	2.2879498	21	3 27.9	18.0
86426 2000 BP_{23}	14.3	X	97.07466	131.03937	26.34925	15.39314	0.0774312	0.24604929	2.5222491	21	6 3.8	17.9
86427 2000 BG_{25}	15.7	X	306.73044	321.09085	310.36485	6.96746	0.1030960	0.28713783	2.2754944	21	3 11.7	18.5
86428 2000 BQ_{27}	15.9	X	159.49001	9.21347	98.04486	1.70816	0.1258110	0.29320809	2.2439788	21	6 18.7	19.0
86429 2000 BJ_{29}	13.5	X	294.24544	54.82438	318.62655	16.09062	0.1457661	0.17156456	3.2076305	21	7 18.9	17.8
86430 2000 BV_{31}	15.6	X	51.38840	112.97519	317.12819	6.47921	0.0850269	0.27345195	2.3507983	21	—	—
86431 2000 BN_{50}	16.5	X	78.99252	193.54498	130.49784	2.70256	0.1626895	0.31315264	2.1476590	21	—	—
86432 2000 BW_{51}	16.6	X	94.27698	19.73252	56.20948	2.41258	0.1987634	0.28250966	2.3002790	21	2 24.6	18.9
86433 2000 CU_{2}	16.4	X	296.09730	99.17887	106.09653	1.29001	0.1460193	0.27386846	2.3484142	21	—	—
86434 2000 CX_{7}	16.0	X	256.33794	20.74177	28.15612	5.92807	0.1106253	0.29939567	2.2129540	21	7 22.4	18.8
86435 2000 CL_{9}	13.0	X	71.42840	10.73084	284.09208	7.04852	0.1183260	0.12369571	3.9893269	21	10 24.8	18.7
86436 2000 CU_{12}	16.9	X	23.79600	10.56643	174.36776	3.93833	0.1420606	0.28467265	2.2886123	21	3 14.6	18.7
86437 2000 CJ_{13}	16.4	X	53.58059	10.74246	248.72199	1.82410	0.1032647	0.29824911	2.2186218	21	9 5.1	18.7
86438 2000 CN_{16}	16.1	X	49.64300	330.84237	254.72548	3.62317	0.0830191	0.29357863	2.2420902	21	7 4.7	18.4
86439 2000 CW_{18}	15.4	X	68.69124	351.04771	296.62293	4.16384	0.2094389	0.30344531	2.1932212	21	11 20.1	18.5
86440 2000 CK_{21}	16.7	X	66.62210	327.19524	177.40545	6.36107	0.1274629	0.28559354	2.2836899	21	4 7.5	18.7
86441 2000 CR_{22}	16.4	X	57.00870	292.79001	164.52900	5.86770	0.1101697	0.27944508	2.3170660	21	1 5.6	18.7
86442 2000 CY_{24}	16.0	X	46.84358	293.41168	214.81767	3.06304	0.1040040	0.28324100	2.2963177	21	3 2.1	18.1
86443 2000 CG_{27}	16.0	X	85.67773	334.52498	177.83639	4.20957	0.0486301	0.28848195	2.2684208	21	5 8.2	18.5
86444 2000 CQ_{28}	15.5	X	64.60614	153.88176	303.61530	6.21844	0.0543498	0.27914839	2.3187075	21	1 17.4	17.8
86445 2000 CW_{28}	16.4	X	350.30187	302.90490	277.53615	2.13177	0.0801076	0.28367323	2.2939845	21	3 10.9	18.8
86446 2000 CS_{31}	15.6	X	289.84548	93.78247	272.99276	3.49997	0.1307421	0.29781881	2.2207583	21	7 3.3	18.0
86447 2000 CE_{32}	16.1	X	222.81668	30.84794	167.26564	5.04511	0.1590962	0.26418792	2.4054375	21	12 19.6	19.4
86448 2000 CU_{32}	16.6	X	350.30085	357.67575	212.05721	0.92695	0.1097757	0.28164380	2.3049911	21	2 20.3	18.9
86449 2000 CD_{33}	16.5	X	39.25252	18.26785	151.85473	5.58365	0.0941415	0.28370676	2.2938038	21	3 24.2	18.6
86450 2000 CK_{33}	18.2	X	274.20076	215.60906	124.85957	18.10993	0.4148628	1.03474336	0.9680868	21	1 24.3	16.0
86451 2000 CY_{34}	16.3	X	59.33550	355.13939	167.91706	5.16557	0.0902832	0.28728408	2.2747221	21	4 18.0	18.5
86452 2000 CQ_{35}	15.6	X	35.20132	340.51143	262.43027	5.37918	0.0711706	0.29299515	2.2450659	21	7 5.0	17.7
86453 2000 CH_{39}	16.0	X	193.51763	136.08114	291.71001	6.30297	0.0549965	0.29332572	2.2433789	21	6 1.2	19.0
86454 2000 CM_{40}	15.1	X	290.32231	108.79789	154.00323	22.72370	0.2689598	0.27427079	2.3461171	21	1 24.0	19.1
86455 2000 CF_{41}	15.4	X	287.17615	274.35581	345.50079	2.66789	0.2180667	0.27792959	2.3254813	21	1 23.1	19.0
86456 2000 CM_{41}	15.9	X	341.98911	129.51519	153.72202	7.48171	0.1249131	0.29245577	2.2478255	21	5 29.2	18.0
86457 2000 CC_{43}	16.0	X	288.89249	138.57433	244.45365	3.61190	0.1635012	0.30057997	2.2071373	21	7 20.3	18.3
86458 2000 CB_{47}	16.4	X	352.41461	59.41771	177.62755	6.34411	0.0654041	0.28648957	2.2789257	21	4 12.1	18.7
86459 2000 CS_{49}	15.8	X	34.53069	234.77465	253.44169	3.91725	0.0534872	0.27822931	2.3238109	21	1 12.8	18.4
86460 2000 CC_{52}	16.4	X	301.06956	207.36059	319.90858	2.82768	0.1492546	0.27046903	2.3680509	21	—	—
86461 2000 CN_{52}	16.1	X	348.28014	206.46164	291.88064	2.92228	0.2112504	0.27400945	2.3476086	21	—	—
86462 2000 CL_{56}	15.5	X	27.84916	177.70920	104.39458	5.20137	0.2083276	0.29396136	2.2401438	21	9 18.7	17.4
86463 2000 CV_{57}	15.8	X	287.07546	191.55756	320.75251	5.58123	0.0653252	0.26674831	2.3900203	21	—	—
86464 2000 CU_{62}	16.2	X	3.35272	270.42507	212.82789	4.29150	0.1938867	0.27402626	2.3475126	21	—	—
86465 2000 CU_{63}	16.2	X	8.03375	271.58925	217.50698	4.71461	0.1663879	0.27504763	2.3416974	21	—	—
86466 2000 CS_{66}	15.1	X	29.12596	253.31641	2.71991	7.15894	0.0755613	0.28946956	2.2632583	21	7 18.2	17.5
86467 2000 CB_{70}	15.2	X	317.75186	59.02450	190.35098	5.58011	0.1840717	0.28019512	2.3129292	21	2 14.1	18.3
86468 2000 CR_{70}	15.6	X	21.10367	265.45627	278.42250	3.98585	0.0901723	0.28202522	2.3029124	21	3 7.9	17.8
86469 2000 CV_{70}	15.5	X	140.86456	349.56605	277.57083	4.37495	0.1373084	0.30648579	2.1786919	21	12 30.9	18.7
86470 2000 CV_{76}	16.8	X	354.57014	137.11693	9.56203	2.63768	0.1467720	0.27514695	2.3411339	21	—	—
86471 2000 CX_{76}	15.8	X	50.26631	239.62406	357.86585	4.20662	0.1578291	0.29114794	2.2545519	21	8 8.6	18.0
86472 2000 CZ_{76}	15.8	X	314.73543	126.44472	343.66294	9.16468	0.1378701	0.26559859	2.3969126	21	—	—
86473 2000 CF_{79}	16.9	X	79.04784	206.30517	154.06810	2.97372	0.1773774	0.26965175	2.3728333	21	—	—
86474 2000 CT_{79}	15.2	X	207.12321	347.17618	163.72270	4.07167	0.0389795	0.21010967	2.8022402	21	10 9.3	19.1
86475 2000 CJ_{80}	15.9	X	52.75344	242.10286	121.63961	3.71561	0.1636380	0.31301158	2.1483042	21	—	—
86476 2000 CT_{82}	16.4	X	14.23304	343.75609	128.28031	1.64858	0.1358394	0.27482611	2.3429556	21	—	—
86477 2000 CU_{85}	16.2	X	16.01646	47.15626	133.58738	5.47444	0.1272014	0.28153104	2.3056065	21	2 22.7	18.3
86478 2000 CL_{87}	15.2	X	94.75155	84.87116	0.40763	7.14118	0.0722715	0.28100718	2.3084711	21	2 19.5	17.7
86479 2000 CG_{90}	16.2	X	174.29601	245.48091	147.24512	1.97046	0.1226745	0.28651227	2.2788054	21	3 26.5	19.5
86480 2000 CT_{97}	16.1	X	270.34303	217.33718	138.13432	5.69622	0.1177744	0.29337590	2.2431230	21	5 22.9	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86481 2000 CX_{102}	16.8	X	296.89856	251.00361	308.02415	1.46628	0.1515277	0.27368007	2.3494918	21	—	—
86482 2000 CJ_{104}	16.3	X	164.87905	74.96859	8.58218	8.04931	0.1226988	0.29348141	2.2425854	21	5 20.3	19.6
86483 2000 CT_{111}	16.1	X	88.79729	320.25321	86.00769	3.34596	0.2004583	0.27768643	2.3268387	21	1 1.6	18.0
86484 2000 CD_{120}	16.3	X	77.37038	246.79266	265.41003	4.20014	0.1266826	0.24049061	2.5609669	21	5 10.1	19.4
86485 2000 CF_{126}	16.7	X	158.48384	204.15140	67.63377	3.90188	0.0830979	0.31142638	2.1555881	21	—	—
86486 2000 CE_{135}	17.3	X	269.87625	130.92950	140.97939	6.19116	0.2131545	0.27853636	2.3221028	21	1 21.7	21.0
86487 2000 CQ_{144}	16.0	X	47.49136	333.19984	322.62058	2.57136	0.0764066	0.30308032	2.1949816	21	10 15.7	18.3
86488 2000 DQ_{5}	16.2	X	277.75037	48.36474	189.40621	1.99136	0.1653947	0.27388265	2.3483331	21	—	—
86489 2000 DU_{9}	16.1	X	289.07951	41.63266	329.59711	1.33441	0.1748175	0.29817406	2.2189941	21	7 1.1	18.5
86490 2000 DA_{15}	15.9	X	350.44956	358.50997	147.92716	3.82565	0.1416670	0.27388196	2.3483371	21	—	—
86491 2000 DL_{15}	14.5	X	83.85118	50.03900	76.59964	2.57023	0.0736495	0.19083005	2.9879378	21	4 13.7	18.5
86492 2000 DN_{15}	15.8	X	345.61444	55.14586	137.92965	7.14106	0.0652645	0.27804172	2.3248561	21	1 27.8	18.3
86493 2000 DD_{17}	16.2	X	170.80805	344.37575	307.87375	3.01989	0.1504370	0.31393402	2.1440939	21	—	—
86494 2000 DT_{19}	16.2	X	229.79613	229.23015	342.78902	4.62968	0.1791859	0.26647159	2.3916747	21	—	—
86495 2000 DT_{21}	16.2	X	93.24015	71.62965	211.40597	2.93450	0.1740593	0.30421066	2.1895411	21	12 6.6	19.4
86496 2000 DC_{29}	16.1	X	62.03360	321.48029	147.01900	4.77764	0.0969221	0.28023227	2.3127248	21	1 30.6	18.3
86497 2000 DO_{29}	16.9	X	129.68851	207.55403	41.08072	1.49779	0.1748349	0.30342344	2.1933266	21	11 26.2	20.2
86498 2000 DQ_{29}	15.7	X	217.82592	330.83151	347.24944	6.69748	0.1380009	0.27934962	2.3175938	21	2 5.2	19.2
86499 2000 DZ_{30}	16.1	X	323.21070	324.01683	285.62152	2.39966	0.1248206	0.28257564	2.2999209	21	3 3.7	18.8
86500 2000 DR_{32}	16.1	X	315.34087	171.48616	158.42594	7.01833	0.1398414	0.29370019	2.2414715	21	6 18.3	18.3
86501 2000 DR_{35}	15.1	X	5.16558	333.67731	329.11948	5.67880	0.0446747	0.20371130	2.8606143	21	8 9.5	18.7
86502 2000 DO_{38}	16.2	X	58.20144	306.41698	163.42626	4.42852	0.0151481	0.27864010	2.3215264	21	1 22.4	19.0
86503 2000 DQ_{39}	14.7	X	281.22531	339.09342	324.89085	9.65445	0.0435820	0.19308714	2.9646072	21	4 9.8	19.0
86504 2000 DG_{41}	16.4	X	268.02142	71.46061	158.26646	7.59341	0.0590137	0.27359865	2.3499579	21	—	—
86505 2000 DS_{42}	16.3	X	310.52335	230.25000	143.64048	5.37045	0.1714014	0.30009041	2.2095371	21	8 15.8	17.7
86506 2000 DR_{43}	16.3	X	296.69183	250.07702	145.35989	3.88949	0.1496929	0.30115361	2.2043337	21	8 27.6	18.1
86507 2000 DQ_{44}	16.7	X	234.37653	43.97647	279.67435	1.10485	0.1270171	0.28162487	2.3050944	21	2 26.1	19.9
86508 2000 DU_{44}	16.0	X	249.75749	110.62399	171.49003	2.00801	0.2724045	0.27499967	2.3419697	21	1 15.8	20.2
86509 2000 DJ_{47}	16.5	X	332.39658	343.24565	166.04058	1.87389	0.1640883	0.27270824	2.3550703	21	—	—
86510 2000 DE_{53}	16.5	X	211.37349	49.30532	191.11237	2.81671	0.1497143	0.26607908	2.3940262	21	—	—
86511 2000 DB_{54}	16.2	X	73.92445	343.63366	316.60188	3.69470	0.2104876	0.30222362	2.1991277	21	12 12.1	19.3
86512 2000 DN_{58}	16.4	X	46.03857	346.12235	234.38603	1.44381	0.1363992	0.28872336	2.2671562	21	6 28.8	18.4
86513 2000 DU_{61}	16.2	X	266.41662	57.02348	154.20829	4.84732	0.1222760	0.26983730	2.3717453	21	—	—
86514 2000 DW_{63}	15.5	X	306.30462	11.87544	311.41326	3.90524	0.1648586	0.28961402	2.2625056	21	5 16.8	17.9
86515 2000 DY_{64}	16.3	X	322.45064	117.15041	168.01021	6.83248	0.1521583	0.28575273	2.2828417	21	4 21.8	18.7
86516 2000 DT_{67}	15.8	X	189.89379	143.41487	187.74782	6.16584	0.1354119	0.27607965	2.3358581	21	1 22.7	19.4
86517 2000 DC_{68}	16.2	X	71.56237	66.81210	152.62115	5.41272	0.1221910	0.29178995	2.2512436	21	8 6.7	18.7
86518 2000 DL_{68}	16.0	X	149.93171	340.03966	165.87611	3.95802	0.0075413	0.24759163	2.5117635	21	7 23.1	19.3
86519 2000 DM_{68}	14.7	X	223.24618	335.90831	344.58902	15.51966	0.1546071	0.23192322	2.6236540	21	2 20.2	18.9
86520 2000 DH_{69}	15.2	X	278.23523	241.78661	339.86695	6.52340	0.0703981	0.27273588	2.3549112	21	—	—
86521 2000 DP_{69}	16.3	X	241.53604	61.25558	176.18052	2.38319	0.1762300	0.26851719	2.3795125	21	—	—
86522 2000 DA_{73}	16.1	X	284.93306	181.11792	349.10788	3.09919	0.1461081	0.26783655	2.3835421	21	—	—
86523 2000 DC_{74}	16.1	X	69.28679	29.03105	170.60460	5.97923	0.1447722	0.28887649	2.2663549	21	7 7.8	18.6
86524 2000 DK_{74}	16.2	X	248.89040	310.02635	284.43571	1.60277	0.1606009	0.26899801	2.3766761	21	—	—
86525 2000 DD_{76}	16.3	X	282.64994	64.96231	162.06968	5.02149	0.1452112	0.27312304	2.3526852	21	—	—
86526 2000 DG_{76}	15.4	X	186.29331	18.09261	341.84025	6.59549	0.1301891	0.28018575	2.3129808	21	2 25.4	18.6
86527 2000 DH_{76}	16.1	X	299.16400	171.15332	296.22918	0.76274	0.1245441	0.26347348	2.4097840	21	12 17.1	18.4
86528 2000 DC_{78}	16.4	X	154.06424	247.79477	338.55238	3.82901	0.0570278	0.30380334	2.1914977	21	11 23.1	19.1
86529 2000 DN_{79}	15.5	X	25.59531	1.51943	356.73237	5.22785	0.1691758	0.30951948	2.1644326	21	12 30.8	18.0
86530 2000 DA_{80}	14.7	X	143.49020	62.23515	339.75607	11.00910	0.0451091	0.19091829	2.9870170	21	3 6.8	19.1
86531 2000 DU_{81}	15.7	X	334.81428	93.30662	114.36913	6.84426	0.0517589	0.28078748	2.3096751	21	2 3.9	18.5
86532 2000 DO_{86}	15.4	X	185.97787	52.34357	34.38208	6.36942	0.1378465	0.29411625	2.2393572	21	6 18.7	18.7
86533 2000 DQ_{98}	15.6	X	261.85476	160.57886	126.44787	8.65390	0.2199092	0.27843167	2.3226849	21	2 2.5	19.4
86534 2000 DT_{98}	16.1	X	123.69243	260.67472	29.78209	5.72890	0.2383783	0.30789257	2.1720505	21	—	—
86535 2000 DK_{99}	15.9	X	71.11995	57.65020	358.70990	3.98470	0.1461832	0.27518631	2.3409106	21	—	—
86536 2000 DN_{100}	15.5	X	305.61220	274.42651	99.96833	4.44202	0.1651458	0.29922146	2.2138128	21	8 8.4	17.3
86537 2000 DQ_{102}	15.5	X	214.25899	256.47084	108.89193	5.69100	0.1128223	0.28530175	2.2852467	21	4 3.9	18.9
86538 2000 DR_{102}	16.1	X	71.29721	32.33044	56.36653	4.24237	0.0738274	0.27790564	2.3256149	21	1 18.0	18.5
86539 2000 DQ_{103}	15.9	X	145.90845	340.27685	80.93761	5.01923	0.1054307	0.28437199	2.2902251	21	4 2.2	18.9
86540 2000 DQ_{104}	16.2	X	155.55296	17.29999	49.48260	6.60090	0.0621900	0.28563306	2.2834792	21	4 15.7	19.2
86541 2000 DJ_{105}	16.1	X	219.08367	101.08031	108.98926	4.89319	0.0990847	0.26396754	2.4067762	21	—	—
86542 2000 DO_{105}	16.1	X	282.27589	164.12201	101.91181	5.21559	0.1268742	0.27809814	2.3245416	21	2 4.5	19.4
86543 2000 DR_{106}	15.8	X	40.89964	143.16533	120.38853	7.09831	0.1645567	0.29223068	2.2489796	21	9 4.4	18.0
86544 2000 DX_{106}	15.4	X	270.17600	274.50134	96.97852	6.82255	0.1986841	0.29323026	2.2438657	21	6 2.1	18.4
86545 2000 DC_{109}	17.2	X	160.32079	274.38048	351.83246	4.47051	0.0392363	0.31120359	2.1566168	21	—	—
86546 2000 DW_{111}	16.2	X	315.27081	77.20002	183.51448	3.99633	0.1305298	0.28215883	2.3021853	21	3 7.5	18.7
86547 2000 DS_{115}	16.9	X	248.80243	255.37995	333.37683	2.51371	0.0960229	0.27173194	2.3607079	21	—	—
86548 2000 DZ_{115}	16.2	X	336.41879	343.59975	228.90533	2.80772	0.0651539	0.27914448	2.3187291	21	2 9.2	18.9
86549 2000 EG	16.2	X	44.62736	277.58925	324.28981	2.81668	0.1456726	0.29060770	2.2573451	21	8 1.9	18.3
86550 2000 EA_{3}	16.4	X	253.95586	120.70028	160.18618	4.05192	0.1373909	0.27632557	2.3344720	21	1 22.7	19.9
86551 Seth	15.5	X	312.93704	84.49176	221.41461	3.65580	0.1712135	0.28473568	2.2882745	21	5 1.8	17.9
86552 2000 EY_{6}	16.5	X	345.93517	252.73169	18.50718	5.25528	0.1540665	0.28494747	2.2871405	21	5 10.9	18.4
86553 2000 ER_{8}	15.6	X	21.08224	152.99759	154.33046	7.48747	0.1653574	0.29827221	2.2185072	21	10 8.3	17.6
86554 2000 EH_{9}	16.2	X	19.28043	325.81482	318.71490	8.14493	0.2483918	0.29270060	2.2465718	21	9 5.3	17.7
86555 2000 EB_{12}	14.9	X	226.31957	199.75974	135.88557	25.67540	0.1679653	0.28241333	2.3008021	21	3 8.3	18.8
86556 2000 EN_{12}	16.1	X	59.32910	171.07868	103.11943	8.72682	0.1961361	0.29731788	2.2232520	21	10 25.4	19.1
86557 2000 EC_{16}	16.6	X	124.36222	187.99663	193.87633	1.89807	0.2168961	0.27700166	2.3306719	21	1 26.5	19.3
86558 2000 EQ_{16}	15.9	X	210.17976	210.29364	190.61147	4.85504	0.1262375	0.28947904	2.2632089	21	5 14.5	19.2
86559 2000 EZ_{18}	14.8	X	34.64264	252.88478	337.34882	22.95914	0.1248083	0.28694050	2.2765376	21	6 24.0	17.6
86560 2000 EQ_{19}	16.0	X	134.94741	50.09682	356.14040	7.06536	0.1099051	0.28160691	2.3051924	21	2 26.9	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86561 2000 EM_{25}	16.8	X	138.06862	270.03033	3.74408	4.79084	0.1895275	0.25786286	2.4446134	21	12 28.3	20.9
86562 2000 EP_{25}	16.1	X	324.07686	89.01015	10.24561	1.97049	0.1557350	0.26460340	2.4029189	21	—	—
86563 2000 EP_{28}	15.6	X	159.71824	344.31951	73.15349	8.29530	0.2030475	0.28717439	2.2753013	21	4 21.3	19.2
86564 2000 EU_{28}	16.0	X	289.68780	52.12749	94.44472	12.29789	0.0950984	0.26665394	2.3905842	21	—	—
86565 2000 EW_{30}	15.6	X	265.68200	326.87730	76.43682	6.71331	0.1501079	0.29782285	2.2207383	21	7 19.9	18.3
86566 2000 EY_{31}	15.4	X	311.80223	251.01953	44.81148	2.75063	0.1855923	0.28702944	2.2760672	21	4 12.9	18.0
86567 2000 EB_{32}	16.9	X	172.69961	136.84789	119.65629	3.40965	0.1490296	0.30992760	2.1625320	21	—	—
86568 2000 EU_{32}	15.8	X	220.91701	163.54795	95.63495	3.48896	0.1773053	0.26904318	2.3764101	21	—	—
86569 2000 EN_{36}	14.3	X	94.37890	346.74481	62.22827	12.38441	0.1536169	0.18325183	3.0697558	21	2 5.4	18.6
86570 2000 EH_{38}	15.7	X	37.43871	251.52088	343.61709	5.59711	0.1337412	0.28792865	2.2713259	21	7 6.6	17.7
86571 2000 EU_{38}	15.7	X	344.43913	122.25103	323.86050	1.69127	0.1863230	0.26623507	2.3930910	21	—	—
86572 2000 ET_{39}	16.3	X	206.01002	198.48590	19.92451	4.39229	0.1417656	0.26150104	2.4218864	21	12 27.9	19.7
86573 2000 EB_{42}	16.7	X	206.16895	214.64319	327.33166	2.24510	0.1212421	0.25827202	2.4420309	21	11 12.6	20.0
86574 2000 EY_{42}	15.6	X	210.28263	274.25391	2.95792	2.45198	0.1562048	0.26809024	2.3820382	21	—	—
86575 2000 EF_{43}	16.4	X	336.71840	316.00083	171.44309	1.19061	0.1389444	0.26916036	2.3757203	21	—	—
86576 2000 EZ_{45}	16.5	X	257.12391	346.01365	213.82408	1.68522	0.1486700	0.26586156	2.3953318	21	—	—
86577 2000 EJ_{46}	15.7	X	276.59964	76.06328	187.21781	6.37556	0.0828647	0.27574600	2.3377420	21	1 27.9	18.9
86578 2000 EE_{48}	16.1	X	204.32124	185.72842	5.68910	5.54143	0.0781539	0.30447987	2.1882503	21	12 5.9	18.8
86579 2000 ER_{48}	16.6	X	300.57845	254.36686	338.08985	1.01068	0.1798386	0.27388744	2.3483057	21	1 6.4	19.7
86580 2000 EV_{48}	15.1	X	69.25937	261.36018	7.67334	5.42324	0.1322242	0.29494810	2.2351447	21	10 15.8	17.8
86581 2000 EW_{54}	15.8	X	42.67792	299.87769	52.28516	8.96983	0.2166241	0.30165813	2.2018752	21	—	—
86582 2000 ED_{56}	15.6	X	88.95880	234.80931	197.64010	4.55980	0.2096430	0.27990758	2.3145129	21	2 9.5	17.7
86583 2000 EJ_{57}	15.9	X	234.47418	198.56773	347.79957	5.35965	0.0878764	0.26271221	2.4144370	21	12 29.7	19.0
86584 2000 ES_{57}	15.4	X	74.81438	93.06128	330.28491	4.00908	0.1507625	0.27471255	2.3436012	21	—	—
86585 2000 EX_{57}	16.2	X	290.28237	28.95542	178.67361	22.93470	0.0668557	0.27193999	2.3595037	21	—	—
86586 2000 EQ_{58}	16.3	X	280.93087	331.79606	144.80611	2.82623	0.1535972	0.26093653	2.4253782	21	11 23.9	18.7
86587 2000 ES_{60}	16.5	X	175.59592	236.31987	345.45711	4.52007	0.0583305	0.30525705	2.1845345	21	12 14.3	19.2
86588 2000 EG_{61}	16.3	X	242.98186	8.46157	245.90207	1.56436	0.1637922	0.26975022	2.3722558	21	—	—
86589 2000 EP_{62}	16.5	X	257.34896	228.88322	72.92549	1.65868	0.2020284	0.27759137	2.3273699	21	2 18.4	20.1
86590 2000 EQ_{62}	16.3	X	249.22622	106.74620	123.91158	2.12037	0.1468086	0.26836915	2.3803875	21	—	—
86591 2000 EP_{63}	16.1	X	139.85705	88.27108	163.60230	5.76417	0.1562247	0.30292417	2.1957359	21	12 10.4	19.5
86592 2000 EW_{64}	16.6	X	99.75040	106.99531	187.85452	4.18659	0.1373740	0.30323552	2.1942326	21	12 25.3	19.7
86593 2000 EX_{64}	16.7	X	243.20529	76.65830	180.31636	4.69395	0.1489041	0.27015817	2.3698670	21	—	—
86594 2000 EH_{65}	15.9	X	312.62207	68.98473	186.89197	6.51950	0.1649663	0.27870214	2.3211819	21	2 19.4	18.8
86595 2000 EW_{65}	16.5	X	27.94489	122.96523	164.04790	0.92468	0.2081948	0.29174810	2.2514589	21	9 23.3	18.2
86596 2000 EO_{67}	15.9	X	23.78597	322.82900	185.73190	6.30808	0.0401638	0.27641856	2.3339484	21	1 24.9	18.7
86597 2000 EG_{68}	16.6	X	251.19318	160.63281	2.68992	1.34858	0.1476998	0.26224134	2.4173263	21	12 11.9	19.6
86598 2000 EQ_{69}	15.4	X	302.47749	243.67046	4.34665	7.67356	0.1819462	0.27594981	2.3365908	21	1 30.2	18.7
86599 2000 EM_{70}	16.3	X	239.90749	356.34917	203.35988	2.27482	0.0801041	0.26375778	2.4080520	21	—	—
86600 2000 EW_{74}	17.1	X	204.55784	271.68606	335.34388	0.42296	0.1324346	0.26428954	2.4048209	21	—	—
86601 2000 EU_{75}	15.6	X	67.32214	313.38913	50.83177	4.85397	0.1569128	0.31393356	2.1440960	21	—	—
86602 2000 EN_{76}	15.5	X	164.39600	279.77374	96.80030	7.32219	0.1239206	0.28101111	2.3084495	21	2 25.8	18.8
86603 2000 EX_{77}	16.4	X	13.20507	34.39029	123.67700	2.86842	0.1578135	0.27880261	2.3206243	21	1 9.9	18.4
86604 2000 EM_{78}	16.3	X	31.00050	25.51573	51.47073	3.16939	0.1915034	0.27338191	2.3511998	21	—	—
86605 2000 ES_{81}	15.8	X	151.56575	300.23579	64.04712	4.12316	0.0039451	0.22974723	2.6401941	21	1 18.6	19.3
86606 2000 EB_{84}	16.5	X	233.83699	169.52134	62.80047	3.06621	0.1776802	0.26736457	2.3863464	21	—	—
86607 2000 ET_{84}	15.9	X	59.81628	315.82699	258.05298	5.39711	0.1420745	0.29014324	2.2597536	21	7 13.6	18.3
86608 2000 EK_{85}	15.6	X	54.59867	110.54532	129.11439	8.58998	0.2799896	0.28927236	2.2642867	21	9 10.9	18.2
86609 2000 EP_{90}	15.9	X	252.39210	3.12470	225.91020	4.72502	0.1847030	0.26850334	2.3795943	21	—	—
86610 2000 EB_{92}	16.1	X	13.08009	40.93276	205.47617	6.11671	0.1387151	0.28607292	2.2811379	21	6 2.5	17.9
86611 2000 EE_{92}	15.6	X	334.80330	265.97910	327.26812	4.78608	0.1408499	0.27966833	2.3158327	21	2 24.6	18.2
86612 2000 EY_{97}	14.9	X	230.50929	218.09287	23.19617	21.17040	0.0405517	0.36257704	1.9477618	21	—	—
86613 2000 EW_{98}	16.0	X	43.19547	223.90697	190.49554	0.58581	0.2017520	0.27103214	2.3647697	21	—	—
86614 2000 EA_{103}	15.4	X	195.43526	283.45331	298.90069	5.57716	0.0768931	0.26121552	2.4236509	21	12 28.6	18.7
86615 2000 EJ_{109}	16.2	X	338.13344	14.58187	225.88131	4.08685	0.0954474	0.28344952	2.2951914	21	3 17.7	18.6
86616 2000 EP_{110}	16.1	X	315.07830	87.47278	73.03916	3.11625	0.1558012	0.27020253	2.3696076	21	—	—
86617 2000 EY_{113}	15.0	X	276.80909	125.41048	158.82189	5.24131	0.2050299	0.27546554	2.3393284	21	2 13.2	18.6
86618 2000 EX_{116}	16.9	X	259.75637	83.57126	14.43356	2.52204	0.1451739	0.25582356	2.4575877	21	9 25.6	19.8
86619 2000 EF_{120}	16.2	X	86.25100	154.88650	69.27206	5.78285	0.1119879	0.29541943	2.2327667	21	9 5.9	19.0
86620 2000 EY_{120}	15.8	X	109.85402	288.07835	130.85669	7.09506	0.0920357	0.28033333	2.3121689	21	2 6.4	18.2
86621 2000 EB_{121}	16.4	X	77.22933	137.23586	112.60402	4.97490	0.1907354	0.29646144	2.2275318	21	10 10.8	19.4
86622 2000 EV_{121}	15.7	X	218.58596	114.50485	101.22022	12.66274	0.1106057	0.26548927	2.3975706	21	—	—
86623 2000 EK_{122}	15.6	X	309.85390	65.26866	212.82624	3.16476	0.1961848	0.28292641	2.2980196	21	3 13.1	18.5
86624 2000 EA_{123}	15.5	X	350.34894	51.59292	157.99804	19.33782	0.1595816	0.27883367	2.3204519	21	2 12.4	18.0
86625 2000 EQ_{124}	16.1	X	240.81225	199.63679	49.62333	2.18419	0.1332237	0.27028915	2.3691013	21	—	—
86626 2000 EV_{124}	15.8	X	157.10493	143.74256	152.19801	7.34858	0.2647790	0.31015092	2.1614938	21	—	—
86627 2000 EJ_{126}	16.2	X	259.23256	96.80753	48.76454	2.90101	0.2068971	0.26269394	2.4145490	21	11 19.9	19.0
86628 2000 ED_{127}	15.4	X	331.11346	92.98226	65.65206	4.69953	0.0201336	0.22563716	2.6721590	21	—	—
86629 2000 EJ_{128}	15.9	X	255.66352	90.99464	122.19861	3.54112	0.1093606	0.26799711	2.3825900	21	—	—
86630 2000 EL_{132}	15.8	X	193.82467	312.72570	344.69997	3.87171	0.1624694	0.26940335	2.3742916	21	—	—
86631 2000 EM_{132}	16.1	X	286.66936	354.33261	185.37447	2.11307	0.1426167	0.26848239	2.3797181	21	—	—
86632 2000 ES_{132}	16.1	X	277.72174	113.64510	144.04221	3.58115	0.1634651	0.27498254	2.3420669	21	1 15.8	19.7
86633 2000 EY_{132}	16.0	X	207.72217	281.67878	350.76940	0.86232	0.1706672	0.26767667	2.3844911	21	—	—
86634 2000 ED_{133}	16.2	X	161.04154	59.04342	158.39589	2.02949	0.0792767	0.25663664	2.4523942	21	11 12.9	19.6
86635 2000 EE_{133}	15.9	X	265.17819	122.77205	170.45157	6.63438	0.2081618	0.27738085	2.3285473	21	2 12.5	19.7
86636 2000 ER_{133}	15.4	X	38.18651	160.54289	115.53437	7.61676	0.0931229	0.29301746	2.2449519	21	9 7.5	17.8
86637 2000 EO_{134}	15.5	X	182.60859	232.32864	80.56498	7.51305	0.1273101	0.26916123	2.3757152	21	—	—
86638 2000 EQ_{134}	15.8	X	228.62023	197.01670	53.56772	3.91273	0.1488633	0.26735296	2.3864155	21	—	—
86639 2000 EA_{135}	15.8	X	60.23620	351.63835	147.35549	6.95289	0.0481240	0.28028798	2.3124183	21	3 11.1	18.2
86640 2000 EN_{135}	15.8	X	214.91362	127.14549	100.33688	3.70975	0.0936117	0.26375816	2.4080497	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86641 2000 EA_{136}	16.2	X	310.94328	109.02007	15.32270	5.47138	0.1754187	0.26651454	2.3914177	21	—	—
86642 2000 EH_{140}	15.9	X	35.84547	304.80533	233.34031	10.00816	0.1138019	0.28522061	2.2856801	21	3 24.5	18.2
86643 2000 ES_{141}	15.8	X	7.09779	18.06378	145.46849	5.63214	0.1242429	0.27729869	2.3290073	21	1 11.7	18.2
86644 2000 EB_{145}	15.5	X	140.30057	21.55318	287.67799	2.35654	0.1958673	0.30931481	2.1653872	21	—	—
86645 2000 ES_{145}	16.3	X	337.84523	126.72828	342.92110	2.10632	0.1820123	0.26890136	2.3772456	21	—	—
86646 2000 EG_{147}	15.8	X	246.57380	199.27482	10.31407	3.54242	0.0998771	0.26534978	2.3984108	21	—	—
86647 2000 EQ_{150}	16.2	X	22.34783	289.79487	172.36887	4.92079	0.1508818	0.27323660	2.3520333	21	—	—
86648 2000 EG_{152}	15.5	X	313.31557	4.13873	271.22400	6.51090	0.1032705	0.28366813	2.2940120	21	3 26.4	18.5
86649 2000 EM_{152}	15.8	X	354.47156	228.89349	287.30096	2.69451	0.0870072	0.27533526	2.3400663	21	—	—
86650 2000 EW_{153}	16.5	X	81.82194	171.96530	87.67683	5.29272	0.1608747	0.29665348	2.2265703	21	10 25.2	19.5
86651 2000 EC_{154}	16.0	X	54.97432	56.91075	76.10700	6.31803	0.0862612	0.27999923	2.3140078	21	2 26.8	18.4
86652 2000 EY_{158}	15.2	X	24.06060	284.41877	310.88651	6.63833	0.1677974	0.28588519	2.2821365	21	6 9.8	16.9
86653 2000 EY_{170}	15.9	X	209.05561	140.22356	102.52005	7.13763	0.0908738	0.26569378	2.3963401	21	—	—
86654 2000 ED_{172}	15.7	X	37.80339	48.55018	229.80514	6.19538	0.1884423	0.29178880	2.2512496	21	9 20.8	18.1
86655 2000 ET_{183}	16.3	X	248.73303	184.96685	28.78658	6.69379	0.0791956	0.26819409	2.3814232	21	—	—
86656 2000 EH_{184}	15.8	X	285.82522	288.73951	53.13577	8.36704	0.1717978	0.28929242	2.2641821	21	5 14.2	18.7
86657 2000 EG_{185}	16.1	X	285.66559	56.12113	121.77874	3.18909	0.1038181	0.26903941	2.3764323	21	—	—
86658 2000 EQ_{185}	15.9	X	31.26122	33.80578	64.84298	5.18920	0.0310776	0.27219941	2.3580043	21	—	—
86659 2000 ER_{185}	16.1	X	122.89594	50.89174	323.83698	3.58129	0.2403953	0.23312523	2.6146278	21	1 28.1	19.6
86660 2000 EH_{200}	15.6	X	48.32932	342.39124	271.82725	4.26590	0.1077614	0.29284648	2.2458257	21	8 18.9	18.0
86661 2000 FG_{3}	16.1	X	175.10247	173.10195	104.83687	5.00414	0.1553336	0.31072604	2.1588259	21	—	—
86662 2000 FA_{6}	15.8	X	22.55823	339.89596	14.83164	8.45960	0.2269601	0.25381170	2.4705574	21	12 16.3	18.8
86663 2000 FS_{6}	16.6	X	26.73897	54.86867	203.67358	3.48901	0.0991980	0.28863042	2.2676428	21	7 17.2	18.7
86664 2000 FS_{9}	16.2	X	99.51972	302.07302	27.20593	1.54660	0.1979989	0.26013940	2.4303303	21	—	—
86665 2000 FD_{10}	16.1	X	37.83000	240.53325	23.42300	4.57746	0.1158768	0.29055280	2.2576295	21	8 21.6	18.3
86666 2000 FL_{10}	16.9	X	52.86459	258.88608	186.91748	29.01157	0.4269040	0.55694910	1.4630496	21	—	—
86667 2000 FO_{10}	17.6	X	49.74006	172.46030	208.33285	14.28693	0.5946021	1.23703268	0.8594394	21	—	—
86668 2000 FZ_{10}	14.4	X	320.99508	253.29905	11.91701	16.99031	0.2207107	0.23262771	2.6183544	21	3 19.5	17.6
86669 2000 FV_{14}	15.5	X	139.72536	134.72599	19.14471	16.61729	0.1238237	0.24593814	2.5230089	21	8 6.4	19.7
86670 2000 FN_{15}	16.0	X	246.08807	118.68553	134.53356	5.42616	0.1613658	0.27147012	2.3622255	21	—	—
86671 2000 FA_{19}	15.6	X	18.26118	126.45079	148.27593	17.10010	0.1490518	0.24301733	2.5431846	21	7 30.0	18.2
86672 2000 FV_{19}	15.9	X	31.52624	356.31966	88.84051	7.29494	0.0822582	0.27067370	2.3668569	21	—	—
86673 2000 FB_{23}	15.6	X	40.51138	7.96994	80.40618	10.00451	0.1375735	0.27216320	2.3582135	21	—	—
86674 2000 FK_{23}	15.6	X	81.88468	356.24295	100.25534	11.34332	0.1594419	0.27891789	2.3199848	21	3 3.5	18.1
86675 2000 FP_{25}	15.9	X	328.12276	43.18172	71.47576	4.19058	0.1307609	0.26619056	2.3933577	21	—	—
86676 2000 FY_{28}	15.3	X	231.33174	92.41815	225.31774	6.67986	0.2307091	0.27424362	2.3462720	21	2 12.1	19.5
86677 2000 FA_{29}	16.0	X	349.48744	272.79374	309.27039	1.78105	0.1895684	0.27906652	2.3191610	21	2 25.1	17.9
86678 2000 FK_{29}	15.2	X	136.45008	313.66158	324.07784	1.73991	0.1808012	0.25736255	2.4477806	21	12 31.5	19.3
86679 2000 FR_{30}	16.1	X	274.03504	72.58292	95.92657	3.09837	0.1754200	0.26507026	2.4000966	21	—	—
86680 2000 FG_{31}	15.9	X	95.28995	116.61354	31.64046	13.14608	0.2639116	0.24194592	2.5506871	21	6 18.8	19.8
86681 2000 FK_{33}	15.7	X	169.58977	228.53791	35.71520	7.04206	0.1232119	0.26146390	2.4221158	21	—	—
86682 2000 FB_{35}	16.3	X	34.03975	103.84206	139.84034	2.90579	0.1861350	0.28717092	2.2753196	21	7 20.9	18.1
86683 2000 FF_{35}	16.1	X	269.14090	0.01747	127.79358	3.55054	0.1230081	0.25994708	2.4315288	21	11 24.7	18.7
86684 2000 FH_{38}	15.6	X	273.97258	228.43139	58.61698	3.53212	0.1931557	0.27620850	2.3351316	21	2 17.0	19.1
86685 2000 FO_{39}	16.3	X	171.72300	193.84883	49.01191	4.84281	0.1602679	0.25836244	2.4414610	21	12 21.0	20.2
86686 2000 FU_{39}	15.8	X	27.07821	191.23760	57.77247	4.77329	0.1495431	0.28681673	2.2771924	21	7 9.9	17.6
86687 2000 FH_{41}	16.0	X	225.00102	200.25695	47.61073	7.66174	0.0727267	0.26641666	2.3920034	21	—	—
86688 2000 FA_{44}	15.9	X	295.40721	51.30052	81.66551	6.88018	0.0954583	0.26393343	2.4069835	21	—	—
86689 2000 FN_{45}	15.9	X	229.88147	106.39117	141.63796	6.45174	0.0902803	0.26760719	2.3849038	21	—	—
86690 2000 FS_{45}	16.2	X	86.37394	149.89744	85.79589	5.26639	0.1043374	0.29383101	2.2408062	21	9 21.1	19.1
86691 2000 FE_{46}	15.6	X	288.54759	183.06348	95.20259	6.90170	0.1575652	0.27776323	2.3264098	21	2 25.7	18.8
86692 2000 FS_{47}	15.9	X	219.85758	190.01530	81.47562	7.68694	0.1095546	0.26829672	2.3808159	21	—	—
86693 2000 FR_{48}	16.1	X	115.79733	257.66421	314.11338	7.09458	0.1020063	0.29452603	2.2372796	21	9 17.3	19.2
86694 2000 FC_{49}	14.7	X	174.98287	321.05208	322.01643	4.46547	0.1623869	0.26244148	2.4160972	21	—	—
86695 2000 FF_{49}	16.0	X	181.33772	347.11387	233.60542	9.80279	0.1589378	0.25753856	2.4466652	21	12 3.3	19.7
86696 2000 FO_{49}	15.5	X	67.50141	297.78358	302.02677	4.39109	0.0992910	0.29074105	2.2566549	21	8 26.2	18.0
86697 2000 FY_{49}	14.5	X	184.76380	312.28660	335.91581	2.21125	0.1500462	0.26380363	2.4077730	21	—	—
86698 2000 FJ_{55}	16.0	X	8.67937	36.92552	219.38065	5.55492	0.1520249	0.28797557	2.2710792	21	6 9.0	17.6
86699 2000 FU_{55}	15.4	X	267.42326	151.76907	151.04960	24.20030	0.1888320	0.27791519	2.3255616	21	3 2.1	18.9
86700 2000 FD_{58}	16.4	X	11.80307	46.51787	71.22931	4.17104	0.0597894	0.27167470	2.3610395	21	—	—
86701 2000 FP_{59}	16.5	X	208.79373	136.45008	42.97731	9.06211	0.1395651	0.25800943	2.4436875	21	11 10.6	20.1
86702 2000 FM_{60}	16.3	X	21.38002	221.14546	76.87272	5.80432	0.1145296	0.29297801	2.2451535	21	9 16.2	18.5
86703 2000 FC_{61}	15.2	X	115.43487	5.64847	66.25649	10.55928	0.2115301	0.28047008	2.3114173	21	3 28.8	18.4
86704 2000 FS_{63}	16.7	X	355.55227	50.15270	64.00697	3.28076	0.1541231	0.27068170	2.3668103	21	—	—
86705 2000 FW_{64}	15.2	X	220.35210	5.43500	265.49838	5.70590	0.0931421	0.26826074	2.3810287	21	—	—
86706 2000 FY_{73}	14.8	X	185.48266	312.75460	47.56514	24.53906	0.1933861	0.27640520	2.3340236	21	3 15.7	19.1
86707 2000 GJ	16.7	X	264.12530	103.42713	182.23105	2.02949	0.2060282	0.27373028	2.3492045	21	2 3.5	20.5
86708 2000 GK_{5}	16.5	X	3.41901	340.78367	256.53019	3.88746	0.1280459	0.28314854	2.2968176	21	4 25.2	18.6
86709 2000 GR_{5}	16.0	X	10.16131	34.28229	245.08991	3.63586	0.1561251	0.28967456	2.2621903	21	7 22.6	17.7
86710 2000 GU_{5}	16.1	X	219.07165	7.57175	208.89372	2.07502	0.1663659	0.26170867	2.4206053	21	—	—
86711 2000 GB_{6}	16.7	X	198.76464	17.53347	200.14255	1.99438	0.1613894	0.26033501	2.4291127	21	12 16.8	20.2
86712 2000 GO_{6}	16.8	X	184.18091	102.41609	156.23115	1.28553	0.1529794	0.26202913	2.4186313	21	—	—
86713 2000 GY_{8}	15.8	X	40.23828	226.43407	50.35807	1.58811	0.1968148	0.29276370	2.2462490	21	9 27.8	18.0
86714 2000 GN_{9}	16.5	X	255.72778	323.07184	246.07046	1.36639	0.0771073	0.26784907	2.3834678	21	—	—
86715 2000 GO_{9}	16.3	X	250.15461	36.27222	203.51456	4.16985	0.1431374	0.26960399	2.3731135	21	—	—
86716 2000 GW_{10}	16.2	X	146.28500	322.12996	343.02486	3.62213	0.1817213	0.30986574	2.1628198	21	—	—
86717 2000 GG_{11}	16.3	X	166.24699	93.39318	185.69401	2.54413	0.2001320	0.26227037	2.4171479	21	—	—
86718 2000 GO_{14}	16.5	X	64.96312	140.95068	184.41386	3.28969	0.1983487	0.30181626	2.2011060	21	—	—
86719 2000 GA_{19}	16.6	X	222.42208	260.31114	270.78948	1.12088	0.1427828	0.25873884	2.4390926	21	11 15.1	19.9
86720 2000 GC_{19}	16.4	X	310.60903	34.16722	209.91104	3.25526	0.1674677	0.27662918	2.3327636	21	2 1.6	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86721 2000 GJ_{28}	16.2	X	175.42655	284.01151	5.46222	2.42275	0.1835772	0.26375798	2.4080508	21	—	—
86722 2000 GY_{28}	16.5	X	344.09607	311.23441	313.87022	0.29867	0.1168832	0.28362072	2.2942676	21	5 3.5	18.7
86723 2000 GG_{30}	16.7	X	132.04912	269.03985	27.20458	1.49940	0.1921117	0.25893133	2.4378837	21	—	—
86724 2000 GY_{30}	16.2	X	349.47466	79.99808	21.46736	1.52709	0.1423148	0.26686000	2.3893534	21	—	—
86725 2000 GG_{32}	15.7	X	21.53636	297.07926	69.95756	0.59413	0.0852868	0.21006334	2.8026522	21	11 30.3	19.3
86726 2000 GN_{34}	16.0	X	32.15904	95.10764	199.85151	5.30842	0.1398141	0.29284888	2.2458134	21	9 30.2	18.2
86727 2000 GW_{34}	16.5	X	355.93291	53.29485	192.20052	2.47108	0.1176257	0.28273893	2.2990353	21	4 25.9	18.7
86728 2000 GV_{35}	15.4	X	77.85209	263.49893	10.83549	4.37114	0.1437187	0.29616247	2.2290306	21	11 3.9	18.3
86729 2000 GX_{36}	15.8	X	125.88016	315.58702	349.91963	2.77066	0.1750028	0.25976509	2.4326644	21	—	—
86730 2000 GY_{37}	16.4	X	343.43818	130.55123	189.21800	7.21030	0.3038972	0.28808455	2.2705064	21	7 14.6	17.3
86731 2000 GV_{38}	15.7	X	116.37117	254.34886	45.01321	2.38891	0.1637743	0.25756734	2.4464829	21	—	—
86732 2000 GK_{39}	16.6	X	245.79224	7.44149	165.68193	2.03663	0.1169322	0.26122724	2.4235784	21	12 22.2	19.3
86733 2000 GS_{41}	16.3	X	184.22005	353.33325	257.72787	0.72828	0.0940202	0.26122170	2.4236127	21	—	—
86734 2000 GT_{42}	17.0	X	329.29144	281.49061	315.38394	1.14269	0.1476196	0.27779997	2.3262047	21	2 20.9	19.6
86735 2000 GF_{43}	16.5	X	129.58789	110.16469	184.72390	1.15198	0.1772602	0.25813186	2.4429147	21	—	—
86736 2000 GE_{45}	15.8	X	117.60753	270.30943	51.40189	3.25624	0.1794711	0.26038147	2.4288238	21	—	—
86737 2000 GV_{46}	16.0	X	164.19118	100.53978	218.97016	1.80949	0.1931995	0.26558444	2.3969978	21	—	—
86738 2000 GB_{51}	16.4	X	58.14812	110.72259	171.32778	3.71092	0.1556550	0.29416649	2.2391022	21	10 24.9	19.0
86739 2000 GC_{51}	15.7	X	91.29965	40.56124	178.46406	4.79260	0.0796825	0.29197956	2.2502689	21	8 26.9	18.4
86740 2000 GM_{51}	16.1	X	135.10148	108.48781	160.73762	2.79644	0.1373308	0.25633072	2.4543450	21	12 19.9	20.0
86741 2000 GW_{52}	15.6	X	306.30966	251.60157	7.79071	4.28827	0.0777411	0.27774891	2.3264898	21	3 4.2	18.4
86742 2000 GR_{53}	15.7	X	161.27121	282.50835	30.27978	1.59634	0.1889639	0.26395956	2.4068247	21	—	—
86743 2000 GS_{56}	16.1	X	259.18402	252.50993	45.20234	3.22246	0.1495498	0.27518811	2.3409004	21	2 19.6	19.5
86744 2000 GE_{57}	15.8	X	147.02153	79.90713	206.83856	5.32219	0.1307649	0.25953762	2.4340856	21	—	—
86745 2000 GJ_{57}	15.3	X	307.13243	123.77056	208.90358	5.09847	0.2150702	0.28522428	2.2856605	21	5 25.7	17.8
86746 2000 GW_{57}	16.7	X	188.22982	341.85051	240.64156	1.29692	0.1613484	0.25796910	2.4439422	21	12 11.8	20.5
86747 2000 GZ_{57}	15.8	X	140.27147	310.31299	344.70233	1.90419	0.2071553	0.25853204	2.4403931	21	—	—
86748 2000 GP_{58}	16.0	X	154.92159	63.52925	250.14009	1.38227	0.1920353	0.26286756	2.4134856	21	—	—
86749 2000 GF_{60}	16.2	X	305.97131	302.53457	25.74446	6.71815	0.1470063	0.28527368	2.2853966	21	5 27.2	18.6
86750 2000 GS_{63}	16.9	X	279.15711	252.34684	41.45326	3.79003	0.1886192	0.27661067	2.3328676	21	3 3.3	20.3
86751 2000 GQ_{64}	16.0	X	192.54979	93.08232	195.85321	4.25508	0.1902303	0.26468742	2.4024103	21	—	—
86752 2000 GB_{66}	16.2	X	232.90450	18.14086	260.23175	0.67321	0.1766113	0.26880911	2.3777894	21	1 1.1	20.0
86753 2000 GK_{67}	16.5	X	284.52480	248.75337	23.24620	2.30583	0.1978163	0.27450990	2.3447545	21	2 7.5	19.9
86754 2000 GS_{67}	15.9	X	126.95419	218.97048	127.84182	1.37293	0.1555390	0.31097670	2.1576656	21	—	—
86755 2000 GO_{68}	16.6	X	10.69542	285.35889	35.70508	5.24815	0.1860636	0.29164010	2.2520147	21	10 10.6	18.4
86756 2000 GV_{69}	15.3	X	279.97257	279.56173	28.78770	7.08581	0.1553002	0.27860033	2.3217474	21	3 26.8	18.6
86757 2000 GA_{70}	16.1	X	253.30612	276.60946	17.43237	4.61803	0.2303745	0.27239587	2.3568704	21	2 5.5	20.0
86758 2000 GV_{71}	15.8	X	51.74037	149.71808	194.57726	5.09582	0.1280858	0.30088981	2.2056219	21	—	—
86759 2000 GX_{72}	15.8	X	247.91152	96.57881	190.98219	2.10227	0.1930646	0.27122070	2.3636736	21	1 23.8	19.7
86760 2000 GQ_{75}	16.5	X	273.88254	41.14616	127.50786	1.33929	0.1080730	0.26284655	2.4136142	21	—	—
86761 2000 GR_{75}	16.0	X	178.58527	273.07713	188.14440	3.56977	0.1294707	0.24229428	2.5482416	21	7 1.0	20.0
86762 2000 GS_{75}	16.7	X	321.47427	219.89567	60.78802	2.70406	0.1276386	0.28070381	2.3101340	21	4 16.9	19.0
86763 2000 GH_{78}	16.0	X	48.53115	242.93681	31.80991	10.64955	0.0479915	0.24593983	2.5229974	21	9 12.0	19.3
86764 2000 GP_{78}	16.6	X	34.10590	1.14127	221.15361	4.54412	0.0914855	0.28419447	2.2911787	21	6 3.2	18.8
86765 2000 GC_{84}	15.6	X	195.69810	184.11159	114.47058	7.19670	0.1159005	0.26992700	2.3712199	21	—	—
86766 2000 GD_{84}	16.3	X	279.07540	176.47579	86.81943	5.84720	0.2146071	0.27459602	2.3442642	21	1 20.9	19.9
86767 2000 GX_{84}	15.7	X	348.80132	43.20377	77.40795	13.65303	0.1281525	0.26881181	2.3777735	21	—	—
86768 2000 GA_{86}	15.5	X	322.44312	221.91843	303.73147	4.23797	0.0875613	0.27156571	2.3616712	21	—	—
86769 2000 GE_{87}	15.1	X	227.16979	262.33197	74.60407	6.93684	0.2700682	0.27603613	2.3361036	21	3 9.4	19.3
86770 2000 GN_{87}	15.7	X	50.53225	100.23083	114.83494	5.96665	0.1086710	0.28656984	2.2785001	21	6 24.2	18.0
86771 2000 GS_{87}	15.5	X	105.74264	174.89828	99.07941	6.13176	0.1417182	0.29984680	2.2107337	21	12 4.9	18.6
86772 2000 GK_{88}	15.8	X	336.68712	134.72699	168.02951	7.73680	0.1363096	0.28650909	2.2788222	21	6 17.2	17.9
86773 2000 GT_{88}	15.1	X	334.09896	181.39763	94.22872	7.32137	0.1600179	0.28257343	2.2999329	21	4 28.4	17.3
86774 2000 GH_{89}	15.8	X	196.98568	135.40752	127.96809	5.51333	0.1613559	0.26309684	2.4120833	21	—	—
86775 2000 GL_{90}	15.0	X	242.91133	175.64286	113.42435	7.67230	0.1289750	0.27230785	2.3573782	21	1 24.1	18.6
86776 2000 GR_{91}	15.5	X	198.13052	155.73675	112.01650	9.27418	0.0970751	0.26404150	2.4063267	21	—	—
86777 2000 GV_{91}	15.6	X	100.18869	91.81763	97.03801	7.35214	0.1893180	0.28957153	2.2627269	21	8 12.7	18.8
86778 2000 GX_{91}	15.0	X	276.57863	175.76108	140.62771	7.15458	0.1348212	0.27968891	2.3157192	21	4 6.1	18.1
86779 2000 GG_{92}	16.1	X	81.38462	86.78410	160.63785	8.25360	0.1195856	0.29309968	2.2445321	21	10 1.9	19.0
86780 2000 GO_{92}	15.7	X	340.46194	183.35151	90.25998	1.97299	0.1884261	0.28518488	2.2858710	21	4 30.0	17.5
86781 2000 GT_{92}	15.5	X	299.19549	100.89952	74.78568	3.29346	0.1472245	0.26967939	2.3726711	21	—	—
86782 2000 GZ_{92}	15.8	X	67.84867	120.47735	144.93173	3.41980	0.1329573	0.29539865	2.2328714	21	10 11.5	18.6
86783 2000 GX_{93}	15.7	X	269.07378	14.75703	162.36719	13.80102	0.1367181	0.26435151	2.4044450	21	—	—
86784 2000 GZ_{93}	16.0	X	139.00602	97.28047	157.75595	13.10882	0.2428205	0.25411298	2.4686043	21	12 7.9	20.6
86785 2000 GW_{94}	16.7	X	217.50790	219.84606	312.15978	0.58911	0.1318351	0.25751174	2.4468351	21	11 11.8	20.2
86786 2000 GS_{97}	16.2	X	184.75497	244.81988	57.89781	6.01958	0.2344877	0.26614031	2.3936589	21	—	—
86787 2000 GZ_{97}	15.5	X	255.46971	42.12545	255.16081	4.07964	0.1629367	0.27585062	2.3371508	21	2 11.2	19.2
86788 2000 GX_{98}	15.2	X	359.83097	46.51992	275.59991	5.47443	0.1987009	0.29168226	2.2517977	21	9 13.1	16.7
86789 2000 GD_{99}	15.8	X	111.64419	354.29446	339.46805	4.64943	0.1894526	0.30795878	2.1717391	21	—	—
86790 2000 GE_{100}	15.8	X	52.72103	282.24651	293.79953	2.63122	0.1326477	0.28661068	2.2782837	21	7 3.8	18.1
86791 2000 GN_{100}	16.1	X	64.50650	248.71544	357.39795	7.01304	0.0841448	0.29146429	2.2529202	21	8 31.7	18.7
86792 2000 GM_{103}	15.9	X	285.46135	131.38454	155.47593	4.13203	0.2315073	0.27668102	2.3324722	21	2 22.5	19.4
86793 2000 GF_{104}	15.5	X	306.19081	232.28667	39.84026	8.98805	0.1313763	0.27883763	2.3204299	21	3 16.3	18.5
86794 2000 GL_{104}	15.1	X	323.11007	53.14096	38.01313	11.10703	0.2372233	0.26259972	2.4151264	21	—	—
86795 2000 GM_{105}	16.4	X	285.06829	138.81543	143.26955	2.77706	0.2271706	0.27612282	2.3356146	21	2 16.7	19.7
86796 2000 GY_{107}	15.8	X	197.02089	138.48035	77.53006	3.52111	0.1311425	0.25833983	2.4416035	21	12 15.5	19.2
86797 2000 GM_{108}	15.1	X	82.59132	124.53464	153.07581	5.78087	0.1868845	0.29571344	2.2312865	21	11 20.5	18.4
86798 2000 GW_{111}	15.4	X	61.11728	326.96518	5.98984	6.71963	0.1427074	0.25566191	2.4586235	21	12 25.3	18.9
86799 2000 GH_{112}	16.0	X	48.01700	146.43712	152.38828	4.75800	0.1949735	0.29510123	2.2343715	21	11 10.7	18.8
86800 2000 GG_{113}	16.1	X	350.33685	267.43147	31.04354	4.22082	0.2353805	0.28723537	2.2749792	21	7 4.8	17.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86801 2000 GJ_{113}	15.8	X	142.42277	99.49607	204.90824	1.64208	0.2169279	0.26081187	2.4261510	21	—	—
86802 2000 GY_{113}	15.9	X	175.41679	219.70537	5.86547	6.69560	0.0723725	0.25772936	2.4454575	21	12 8.1	19.4
86803 2000 GZ_{114}	15.7	X	248.91735	106.10601	163.15616	6.77348	0.0982952	0.27360538	2.3499194	21	1 5.4	19.3
86804 2000 GH_{115}	15.3	X	117.18794	284.43104	39.57580	6.65689	0.1382330	0.26261757	2.4150170	21	—	—
86805 2000 GR_{115}	16.5	X	335.02469	209.89215	79.17883	3.75589	0.2050371	0.28449351	2.2895729	21	5 11.3	18.3
86806 2000 GS_{115}	16.5	X	246.46808	73.43438	129.12791	3.70079	0.1272247	0.26449951	2.4035480	21	—	—
86807 2000 GE_{116}	15.8	X	276.86868	2.69254	116.17340	3.13770	0.1537188	0.25991890	2.4317046	21	11 19.9	18.4
86808 2000 GW_{116}	16.6	X	194.16430	92.90782	189.59006	6.87018	0.2076216	0.26667698	2.3904465	21	—	—
86809 2000 GC_{124}	15.7	X	232.98658	116.35524	100.60362	6.75927	0.0650647	0.26254921	2.4154362	21	—	—
86810 2000 GD_{124}	16.3	X	336.97816	162.12500	88.40069	7.47461	0.1719120	0.27906995	2.3191419	21	3 25.8	18.8
86811 2000 GX_{124}	15.5	X	320.91755	126.62786	120.71480	5.42894	0.1841221	0.27615677	2.3354232	21	2 19.2	18.2
86812 2000 GB_{125}	15.2	X	235.22291	101.22460	155.08741	9.05356	0.1878233	0.26556012	2.3971441	21	—	—
86813 2000 GS_{131}	16.2	X	349.75728	185.10319	125.23948	6.65572	0.1478846	0.28683854	2.2770770	21	7 28.9	17.7
86814 2000 GB_{133}	16.4	X	207.42921	70.14744	213.69795	4.12808	0.2010118	0.26489232	2.4011713	21	—	—
86815 2000 GL_{134}	15.5	X	342.87201	205.50790	94.79170	8.13689	0.2172116	0.28654266	2.2786442	21	6 16.9	16.7
86816 2000 GB_{135}	15.7	X	330.42178	205.43992	83.85766	9.18393	0.1320489	0.28417687	2.2912733	21	5 16.2	17.9
86817 2000 GY_{135}	15.7	X	67.21227	100.32494	146.18380	7.53034	0.1225129	0.29122063	2.2541767	21	9 11.5	18.4
86818 2000 GK_{136}	15.1	X	152.91590	124.23311	124.07998	8.38123	0.1217182	0.25520844	2.4615351	21	12 12.1	18.9
86819 2000 GK_{137}	17.4	X	153.00932	150.30078	164.89453	10.06166	0.5058817	0.34947636	1.9961393	21	—	—
86820 2000 GJ_{138}	16.2	X	153.08382	91.07030	131.07866	4.28352	0.0509143	0.30071228	2.2064899	21	11 18.4	19.0
86821 2000 GV_{138}	16.3	X	16.89243	202.74787	110.00540	7.16310	0.1537969	0.29280278	2.2460491	21	10 7.9	18.4
86822 2000 GY_{139}	16.0	X	58.40474	194.46711	110.70903	4.51976	0.1943485	0.29637099	2.2279850	21	11 30.8	19.0
86823 2000 GO_{140}	15.8	X	227.51857	97.79108	186.99894	9.73134	0.2567886	0.26812830	2.3818127	21	1 3.5	20.2
86824 2000 GS_{140}	16.5	X	297.78598	138.81455	90.17096	2.06881	0.1696952	0.27251242	2.3561984	21	—	—
86825 2000 GM_{141}	15.9	X	263.71550	141.57879	133.89456	7.59680	0.1646231	0.27305991	2.3530478	21	1 24.6	19.6
86826 2000 GG_{142}	15.9	X	140.19115	20.79261	152.17110	12.42371	0.1745136	0.24668130	2.5179392	21	8 27.2	19.8
86827 2000 GN_{145}	15.6	X	258.62291	165.82538	150.88029	7.03021	0.1315933	0.27578841	2.3375023	21	3 16.5	19.0
86828 2000 GR_{145}	16.3	X	97.30519	102.07889	207.51697	6.98918	0.1121707	0.25603435	2.4562387	21	12 30.8	20.1
86829 2000 GR_{146}	15.9	X	44.76755	31.42013	78.48477	14.37477	0.5751034	0.55720059	1.4626093	21	—	—
86830 2000 GN_{147}	15.9	X	1.74241	69.62225	245.91937	3.99921	0.1736955	0.29127573	2.2538924	21	9 4.6	17.5
86831 2000 GT_{147}	16.4	X	92.72203	324.70846	336.73750	1.85251	0.2112758	0.30274676	2.1965936	21	12 31.0	19.9
86832 2000 GU_{152}	15.3	X	292.52090	162.37298	301.67962	4.71515	0.1061113	0.25915882	2.4364568	21	11 30.1	18.0
86833 2000 GZ_{153}	14.8	X	220.90261	342.63994	262.23885	6.51291	0.1870974	0.26484405	2.4014630	21	—	—
86834 2000 GY_{156}	15.6	X	114.18543	140.90540	190.71136	6.37076	0.0677421	0.21670832	2.7450631	21	—	—
86835 2000 GJ_{158}	15.9	X	66.10922	220.82397	68.16454	4.44997	0.1550106	0.29791088	2.2203007	21	11 13.2	18.6
86836 2000 GE_{160}	16.7	X	76.29119	266.68654	306.05111	3.17528	0.0796502	0.28944070	2.2634087	21	7 27.9	19.1
86837 2000 GH_{160}	16.1	X	351.76156	306.15807	313.30516	8.02081	0.1882421	0.28374260	2.2936106	21	4 26.2	18.0
86838 2000 GY_{161}	15.9	X	240.98453	195.77216	95.97885	7.18225	0.2162497	0.27048725	2.3679445	21	1 23.8	19.9
86839 2000 GD_{162}	15.9	X	279.35504	212.34598	117.15846	8.43898	0.1817627	0.28160836	2.3051845	21	4 22.3	19.2
86840 2000 GF_{162}	15.4	X	19.28158	128.99986	90.53423	7.57066	0.0646970	0.28080308	2.3095895	21	5 4.4	17.9
86841 2000 GC_{163}	15.3	X	331.54047	238.64580	50.25150	24.53235	0.2067966	0.28257827	2.2999066	21	5 5.2	17.5
86842 2000 GQ_{166}	15.6	X	168.07920	185.27304	81.05678	15.03327	0.1527709	0.25936957	2.4351369	21	—	—
86843 2000 GM_{168}	15.9	X	149.23835	204.07332	53.27902	7.02634	0.0697017	0.25763184	2.4460746	21	12 20.0	19.5
86844 2000 GW_{170}	16.0	X	344.07956	339.53377	0.38803	7.83524	0.1809911	0.29310419	2.2445091	21	9 8.5	17.3
86845 2000 GP_{172}	16.3	X	6.78738	318.34826	284.25284	5.24719	0.1886343	0.28478191	2.2880268	21	5 7.3	17.8
86846 2000 GC_{173}	16.1	X	193.10162	129.00171	145.21507	6.91712	0.0980218	0.26698659	2.3885981	21	—	—
86847 2000 GV_{174}	17.3	X	20.08022	142.19079	101.72336	0.60109	0.1641957	0.28662420	2.2782121	21	6 15.4	18.6
86848 2000 GL_{176}	15.8	X	83.85006	111.26056	212.83080	1.67358	0.1946837	0.25570499	2.4583474	21	—	—
86849 2000 GY_{179}	15.8	X	39.00047	182.32996	144.77444	4.61474	0.1878452	0.29572542	2.2312262	21	12 5.8	18.5
86850 2000 GA_{183}	15.7	X	226.09158	344.81593	269.71907	2.23683	0.1516674	0.26801958	2.3824568	21	—	—
86851 2000 HK	17.0	X	28.98562	69.03017	201.77958	0.87584	0.1698611	0.29069364	2.2569002	21	8 22.2	18.9
86852 2000 HJ_{2}	15.7	X	336.19190	289.49227	190.77347	6.87050	0.0519431	0.26498844	2.4005906	21	—	—
86853 2000 HC_{5}	15.5	X	253.84552	267.54669	49.16631	13.18358	0.2598949	0.27402591	2.3475146	21	3 8.9	19.7
86854 2000 HF_{5}	15.5	X	211.05014	339.79403	225.99052	13.99546	0.1652449	0.25852409	2.4404432	21	12 13.6	19.1
86855 2000 HQ_{5}	15.9	X	343.96903	269.84983	48.16666	6.24879	0.1227965	0.28897831	2.2658225	21	8 1.6	17.9
86856 2000 HE_{9}	16.3	X	122.83991	248.68841	53.38608	1.23765	0.2045531	0.25613682	2.4555835	21	—	—
86857 2000 HW_{9}	15.7	X	264.89251	269.48251	53.82724	6.80338	0.1385456	0.27800660	2.3250519	21	4 1.7	19.0
86858 2000 HS_{11}	16.3	X	32.45168	168.80630	33.63680	3.83594	0.1488954	0.28191671	2.3035033	21	5 2.5	18.1
86859 2000 HU_{11}	15.6	X	187.84838	62.85860	217.86891	6.04128	0.0947506	0.26376019	2.4080374	21	—	—
86860 2000 HX_{11}	16.3	X	277.48045	77.58025	240.76320	2.48906	0.2607333	0.27804421	2.3248422	21	3 22.5	19.9
86861 2000 HA_{12}	16.3	X	185.39386	272.82489	283.03471	1.18129	0.1323682	0.25450764	2.4660516	21	11 7.2	20.0
86862 2000 HU_{13}	15.9	X	36.94112	213.48166	41.01354	6.86176	0.2537371	0.23939985	2.5687399	21	8 26.8	18.6
86863 2000 HY_{14}	16.1	X	337.37167	190.07330	99.14598	7.11405	0.1802883	0.28386828	2.2929336	21	5 22.1	18.0
86864 2000 HH_{16}	16.2	X	281.90789	197.45930	54.77918	5.43834	0.1053030	0.27240901	2.3567946	21	1 20.9	19.5
86865 2000 HV_{16}	16.4	X	146.14395	174.14090	133.45576	1.97696	0.1833817	0.26118556	2.4238362	21	—	—
86866 2000 HD_{18}	15.9	X	6.24620	158.76761	220.99212	4.28000	0.0504034	0.25388848	2.4700593	21	11 30.4	18.9
86867 2000 HU_{18}	15.3	X	129.41306	208.90557	50.29037	7.06766	0.1018960	0.25440887	2.4666898	21	11 30.5	19.0
86868 2000 HA_{20}	15.9	X	301.57744	174.98658	154.55011	6.64501	0.1633660	0.28231850	2.3013173	21	5 22.9	18.6
86869 2000 HF_{20}	16.5	X	309.93300	159.03854	167.78668	3.31034	0.2574638	0.28373794	2.2936357	21	5 14.1	19.0
86870 2000 HK_{20}	16.3	X	291.12794	109.22922	227.16443	5.72011	0.1364452	0.28379093	2.2933502	21	5 20.1	18.9
86871 2000 HA_{21}	16.1	X	279.38552	179.63493	121.74953	3.14459	0.2149216	0.27641722	2.3339560	21	3 9.9	19.4
86872 2000 HE_{21}	15.2	X	51.17527	318.25800	75.50322	7.60746	0.1375154	0.26154787	2.4215973	21	—	—
86873 2000 HH_{21}	15.4	X	100.97546	294.27866	139.79995	7.74188	0.0827263	0.27536920	2.3398740	21	2 13.9	18.1
86874 2000 HL_{21}	16.0	X	328.20620	128.92237	171.59090	4.71701	0.1516259	0.28347782	2.2950386	21	5 25.7	18.3
86875 2000 HN_{21}	15.4	X	201.51036	1.12567	291.50673	5.31723	0.1134890	0.26854204	2.3793657	21	—	—
86876 2000 HZ_{21}	16.0	X	183.93114	167.96920	32.04375	5.74253	0.0736217	0.25612264	2.4556741	21	11 14.9	19.4
86877 2000 HG_{22}	15.8	X	25.84035	81.50069	216.15350	12.18204	0.1534146	0.24444499	2.5332728	21	9 15.1	18.7
86878 2000 HD_{24}	17.6	X	273.11513	214.91686	231.00006	9.47177	0.6184568	0.63417781	1.3417204	21	7 25.8	18.4
86879 2000 HS_{25}	16.2	X	105.41341	105.94179	208.40731	1.93840	0.1846134	0.25591278	2.4570165	21	—	—
86880 2000 HE_{26}	16.0	X	264.73645	223.56175	88.58320	3.09766	0.2431346	0.27556289	2.3387775	21	3 7.8	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86881 2000 HD_{27}	15.7	X	309.50010	143.63246	159.50061	6.65737	0.1220401	0.28180980	2.3040858	21	5 3.7	18.4
86882 2000 HE_{27}	16.0	X	289.10872	122.46183	105.14706	5.42775	0.1504271	0.27062519	2.3671398	21	—	—
86883 2000 HH_{27}	15.5	X	118.62386	134.71845	189.08487	11.10116	0.2282916	0.25806340	2.4433468	21	—	—
86884 2000 HJ_{27}	15.4	X	284.36211	328.21413	138.40063	5.60643	0.1644502	0.25723294	2.4486027	21	11 14.4	17.9
86885 2000 HU_{27}	15.0	X	329.38767	54.91175	223.96480	22.66246	0.1680716	0.28131332	2.3067960	21	4 18.2	17.4
86886 2000 HR_{29}	15.3	X	122.14750	51.13243	230.55433	5.76432	0.1193938	0.25561163	2.4589459	21	12 22.1	19.0
86887 2000 HV_{29}	15.9	X	229.54571	265.72819	269.26487	5.20175	0.0910307	0.25796176	2.4439885	21	12 6.0	19.0
86888 2000 HB_{30}	15.9	X	272.54001	32.07584	129.84030	9.33549	0.1915509	0.26330589	2.4108064	21	—	—
86889 2000 HF_{30}	15.9	X	168.13255	175.73276	122.18377	10.87394	0.3097974	0.26066566	2.4270581	21	—	—
86890 2000 HN_{31}	16.1	X	78.18871	134.91991	229.33866	3.24262	0.1276653	0.30843016	2.1695258	21	—	—
86891 2000 HK_{32}	16.3	X	249.55763	67.68011	233.33199	4.09490	0.1133272	0.27346528	2.3507219	21	2 13.2	19.9
86892 2000 HQ_{32}	16.2	X	10.91784	317.78369	29.89757	3.99025	0.2072140	0.29433035	2.2382711	21	11 24.2	18.1
86893 2000 HK_{33}	15.4	X	23.71368	71.34261	257.97068	1.18025	0.1521236	0.24665240	2.5181358	21	10 30.8	18.2
86894 2000 HJ_{34}	15.3	X	16.12015	101.52271	238.77875	5.41002	0.2191662	0.29465186	2.2366426	21	11 25.2	17.3
86895 2000 HW_{34}	15.6	X	191.43698	204.42128	107.45105	8.69608	0.0899315	0.26955618	2.3733941	21	—	—
86896 2000 HP_{37}	15.5	X	94.54209	225.06196	138.28201	14.23149	0.2505575	0.25907718	2.4369687	21	—	—
86897 2000 HK_{39}	15.8	X	260.67827	264.83653	78.17077	7.82194	0.1468239	0.27931735	2.3177723	21	4 22.5	19.1
86898 2000 HE_{40}	15.7	X	74.12157	237.73305	88.33768	3.54055	0.2014577	0.25398922	2.4694062	21	—	—
86899 2000 HQ_{40}	15.4	X	128.03181	351.37956	270.89149	5.87214	0.1088780	0.25563975	2.4587656	21	12 3.7	19.0
86900 2000 HM_{42}	15.7	X	289.84221	353.23230	65.27920	3.64875	0.0374853	0.25049124	2.4923423	21	10 2.0	18.8
86901 2000 HW_{44}	16.0	X	317.27902	197.21652	142.61394	3.82261	0.1726023	0.28798438	2.2710329	21	7 2.2	18.0
86902 2000 HQ_{45}	15.2	X	99.56261	269.68782	74.71171	3.86900	0.1957026	0.26089715	2.4256222	21	—	—
86903 2000 HK_{46}	16.0	X	298.60582	84.10741	222.55918	6.45971	0.1251320	0.28106428	2.3081584	21	4 18.9	18.7
86904 2000 HM_{46}	14.9	X	156.77157	268.63447	38.98801	9.44783	0.1498647	0.21556627	2.7547499	21	—	—
86905 2000 HT_{46}	14.4	X	244.76156	167.93716	47.33966	7.14568	0.1001184	0.17047318	3.2213061	21	—	—
86906 2000 HZ_{46}	14.7	X	188.93291	183.16238	213.85059	10.19678	0.0587839	0.18685317	3.0301845	21	4 22.9	19.2
86907 2000 HB_{47}	15.5	X	340.98073	334.57193	10.99780	2.91433	0.1956648	0.29015016	2.2597176	21	9 9.1	16.7
86908 2000 HD_{48}	16.0	X	347.44782	78.19695	195.57006	1.44059	0.0509254	0.23712472	2.5851445	21	6 1.9	19.1
86909 2000 HH_{48}	15.8	X	184.48038	85.96054	210.19243	0.88379	0.2877116	0.26232544	2.4168096	21	—	—
86910 2000 HM_{48}	16.1	X	282.84596	60.78339	224.63586	6.26193	0.1263555	0.27565659	2.3382474	21	2 26.9	19.4
86911 2000 HE_{50}	15.7	X	347.35537	313.13014	40.68681	6.01312	0.2111254	0.29128568	2.2538411	21	10 14.4	16.8
86912 2000 HN_{50}	15.7	X	138.20840	231.13690	79.54972	2.36685	0.1983665	0.25872303	2.4391920	21	—	—
86913 2000 HE_{51}	16.0	X	323.15949	63.08600	216.04097	3.96735	0.1875578	0.27958927	2.3162693	21	4 5.5	18.6
86914 2000 HG_{51}	16.0	X	266.57889	137.86119	196.08780	3.69199	0.2845378	0.27692815	2.3310843	21	3 31.3	19.7
86915 2000 HV_{51}	16.1	X	312.50425	257.00577	51.97946	7.86632	0.1393771	0.28179716	2.3041547	21	5 11.8	18.5
86916 2000 HG_{54}	16.0	X	321.99906	97.83560	213.99319	3.38679	0.1499651	0.28269373	2.2992804	21	5 31.4	18.2
86917 2000 HT_{54}	15.4	X	253.37472	112.58971	218.81797	6.40363	0.1410772	0.27608815	2.3358102	21	3 26.2	19.0
86918 2000 HY_{54}	16.4	X	202.29089	248.32067	55.67151	3.12286	0.1930165	0.26613012	2.3937201	21	1 7.0	20.2
86919 2000 HE_{56}	14.8	X	214.69730	257.51387	56.91333	12.66253	0.0702759	0.22486001	2.6783124	21	2 8.8	19.0
86920 2000 HM_{56}	15.8	X	72.15340	142.69135	161.04005	4.38888	0.1422505	0.25134649	2.4866853	21	11 30.6	19.4
86921 2000 HV_{56}	15.8	X	354.76619	201.72373	75.76373	4.66965	0.1878441	0.28406739	2.2918620	21	6 10.2	17.2
86922 2000 HZ_{56}	15.6	X	28.22504	281.51285	71.13071	6.57497	0.2109415	0.29760229	2.2218353	21	12 29.8	18.2
86923 2000 HV_{58}	15.7	X	254.30052	279.97837	19.73713	10.29145	0.2519243	0.27260005	2.3556934	21	2 14.7	19.8
86924 2000 HG_{59}	15.9	X	47.58815	41.72416	250.80396	2.95583	0.0495909	0.24777417	2.5105297	21	9 28.9	19.1
86925 2000 HO_{59}	15.5	X	222.05409	64.85160	34.45455	13.03186	0.0972189	0.24682299	2.5169755	21	8 23.6	19.3
86926 2000 HN_{60}	16.0	X	108.08050	115.38706	218.44530	12.82948	0.2477822	0.25826758	2.4420588	21	—	—
86927 2000 HH_{61}	16.1	X	318.12409	278.61446	57.81643	6.19172	0.1990251	0.28623972	2.2802517	21	6 23.5	18.2
86928 2000 HJ_{62}	16.0	X	0.20872	278.98235	61.01466	1.31214	0.1471676	0.24542598	2.5265178	21	10 4.1	18.2
86929 2000 HL_{65}	16.7	X	252.07678	220.56920	74.33048	7.14910	0.1651430	0.27197373	2.3593086	21	2 9.6	20.4
86930 2000 HO_{65}	16.4	X	232.25737	172.55147	106.09705	3.39704	0.1838720	0.26751666	2.3854418	21	1 1.1	20.2
86931 2000 HV_{65}	15.7	X	27.95436	239.08920	73.83296	6.91701	0.1798082	0.29131216	2.2537045	21	10 30.2	18.0
86932 2000 HY_{65}	16.3	X	249.15500	228.99161	65.71697	5.72289	0.2307172	0.27049949	2.3678731	21	2 3.4	20.4
86933 2000 HB_{66}	15.3	X	16.43843	237.31207	67.08896	4.66429	0.1417964	0.24231631	2.5480872	21	9 13.1	17.9
86934 2000 HY_{66}	16.4	X	302.00471	216.97376	99.09271	2.74916	0.2429858	0.28166915	2.3048528	21	4 19.9	19.2
86935 2000 HO_{69}	16.0	X	139.29300	156.71018	150.30051	2.92910	0.1721690	0.25932026	2.4354455	21	—	—
86936 2000 HZ_{69}	16.2	X	350.80509	357.80855	286.47044	4.90839	0.1649197	0.28533429	2.2850730	21	6 14.0	18.0
86937 2000 HB_{70}	15.9	X	34.59181	11.27591	294.89274	4.84084	0.1977183	0.29308233	2.2446207	21	10 29.3	18.4
86938 2000 HK_{70}	16.4	X	205.18184	186.02764	330.16118	1.85254	0.1331888	0.25354637	2.4722807	21	10 7.8	20.0
86939 2000 HV_{70}	15.7	X	159.30859	133.61762	106.19840	4.26508	0.1540153	0.25468073	2.4649342	21	12 6.2	19.5
86940 2000 HJ_{71}	15.9	X	329.18146	274.16141	66.58660	6.30491	0.1677975	0.28901550	2.2656281	21	8 3.2	17.7
86941 2000 HY_{71}	15.3	X	155.91466	148.83867	217.46317	10.10754	0.2740641	0.26892935	2.3770806	21	2 13.1	19.4
86942 2000 HD_{72}	16.3	X	259.17736	176.63149	130.75627	2.79697	0.2176236	0.27443290	2.3451930	21	2 26.1	19.9
86943 2000 HA_{77}	16.3	X	226.92720	191.57837	110.93977	3.42324	0.1618101	0.26995431	2.3710600	21	1 25.4	20.1
86944 2000 HN_{81}	15.6	X	312.00341	214.34949	94.07426	24.96013	0.2167691	0.28270490	2.2992198	21	5 9.2	18.7
86945 2000 HE_{85}	15.0	X	90.82017	109.53732	202.88124	9.23437	0.0911030	0.30060128	2.2070330	21	—	—
86946 2000 HG_{85}	14.6	X	294.54799	62.72669	102.58834	6.22549	0.0206503	0.26252739	2.4155700	21	—	—
86947 2000 HV_{85}	16.3	X	326.09023	194.97501	77.46927	7.46927	0.1041025	0.28023475	2.3127111	21	4 18.9	18.8
86948 2000 HK_{86}	15.8	X	269.78749	217.76676	90.99818	6.07038	0.1903506	0.27562278	2.3384386	21	3 14.3	19.4
86949 2000 HE_{87}	16.0	X	356.13108	134.00007	98.81830	8.12829	0.0691405	0.27925279	2.3181295	21	4 16.2	18.6
86950 2000 HC_{88}	16.3	X	317.99147	74.30000	172.05415	3.70456	0.1694807	0.27587366	2.3370207	21	2 14.3	19.3
86951 2000 HL_{88}	16.2	X	355.74967	171.92439	143.68851	4.95364	0.1719005	0.28776574	2.2721831	21	8 23.2	17.8
86952 2000 HT_{89}	15.5	X	359.37353	305.40391	54.38491	5.59480	0.1626578	0.29397558	2.2400715	21	11 14.1	17.1
86953 2000 HS_{91}	16.3	X	243.89851	284.89049	21.07636	6.56943	0.1973440	0.27213398	2.3583822	21	2 14.6	20.2
86954 2000 HF_{96}	16.2	X	333.40131	174.51200	129.45389	7.53893	0.1284505	0.28480789	2.2878877	21	6 13.9	18.4
86955 2000 HK_{96}	15.9	X	27.89069	170.69741	113.04413	6.92941	0.1213820	0.28966643	2.2622327	21	9 5.4	18.1
86956 2000 HD_{97}	17.0	X	47.00888	43.76096	183.37962	7.91078	0.1684537	0.28631883	2.2798316	21	7 15.5	19.3
86957 2000 HB_{101}	16.3	X	39.52474	197.87771	94.87313	3.29366	0.2083896	0.24429743	2.5342928	21	10 15.7	19.2
86958 2000 JQ	16.2	X	323.07585	30.31354	257.02744	5.05909	0.2084073	0.28101504	2.3084280	21	4 12.1	18.7
86959 2000 JG_{1}	15.3	X	58.36170	131.27598	78.94805	24.50697	0.1529127	0.28638638	2.2794731	21	7 6.7	17.9
86960 2000 JM_{1}	15.5	X	52.95307	119.72807	157.10504	7.05381	0.1670936	0.29325317	2.2437488	21	10 13.5	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
86961 2000 JO_1	15.8	X	268.36263	87.91843	235.26782	4.42972	0.1954382	0.27971575	2.3155710	21	3 25.5	19.4
86962 2000 JN_2	15.7	X	13.20344	117.48060	183.38336	21.55024	0.2544290	0.28635199	2.2796556	21	9 21.4	17.3
86963 2000 JS_2	16.4	X	322.32413	115.55593	141.20520	6.78409	0.0799619	0.27938415	2.3174029	21	3 24.0	19.1
86964 2000 JV_2	15.9	X	234.97736	173.03421	118.24855	7.68504	0.3254479	0.26860432	2.3789979	21	1 16.6	20.1
86965 2000 JD_6	14.6	X	30.65554	128.71419	116.08910	37.12690	0.2070969	0.23736680	2.5833865	21	7 17.7	16.9
86966 2000 JP_8	15.4	X	131.67248	66.59429	53.39292	30.08687	0.1099893	0.23736934	2.5833681	21	5 30.5	19.3
86967 2000 JB_9	16.5	X	137.86691	38.49697	234.78203	5.82823	0.2141433	0.25577720	2.4578847	21	12 26.5	20.7
86968 2000 JW_{10}	15.8	X	359.44461	115.28287	218.81140	3.45592	0.1084539	0.24655628	2.5187902	21	9 18.7	18.5
86969 2000 JN_{11}	15.8	X	8.27173	119.48191	242.19649	4.95961	0.2255399	0.29578500	2.2309266	21	12 14.9	17.7
86970 2000 JW_{11}	15.8	X	330.88981	116.64960	232.13321	2.62708	0.1760312	0.29176174	2.2513887	21	8 17.0	17.3
86971 2000 JG_{13}	16.5	X	233.48121	175.98810	142.29670	0.61811	0.2355707	0.27167698	2.3610263	21	2 17.3	20.4
86972 2000 JM_{13}	15.8	X	222.04379	110.01270	219.78016	2.64501	0.1856781	0.27219155	2.3580497	21	2 21.6	19.7
86973 2000 JS_{14}	15.8	X	311.01507	169.15038	91.57035	1.80191	0.1715385	0.27581540	2.3373498	21	2 25.9	18.5
86974 2000 JH_{15}	16.1	X	199.95060	118.74752	216.10282	4.38111	0.2105606	0.26946641	2.3739212	21	2 9.4	20.1
86975 2000 JZ_{16}	16.3	X	356.30449	120.78338	102.47490	2.43097	0.1845762	0.27896554	2.3197206	21	3 15.4	18.3
86976 2000 JJ_{17}	16.0	X	290.49673	155.11234	97.35598	4.18098	0.1164754	0.27286257	2.3541822	21	1 29.0	19.1
86977 2000 JQ_{17}	16.1	X	49.43036	145.08874	122.33951	4.69607	0.0954252	0.29114508	2.2545666	21	9 11.6	18.6
86978 2000 JT_{18}	15.5	X	26.44695	153.09052	108.55457	13.37247	0.2392685	0.23950884	2.5679605	21	8 11.9	17.8
86979 2000 JW_{19}	15.4	X	298.74665	358.09535	282.12648	6.18985	0.1303506	0.27851553	2.3222186	21	3 9.8	18.5
86980 2000 JT_{22}	16.3	X	267.22558	263.98362	24.86692	2.22088	0.2326280	0.27359256	2.3499928	21	2 9.6	20.0
86981 2000 JM_{24}	15.3	X	125.14722	326.75402	307.74888	5.49476	0.1287329	0.25446328	2.4663382	21	12 16.4	19.1
86982 2000 JG_{25}	15.2	X	308.99470	80.02726	285.52372	6.79096	0.1574249	0.29045325	2.2581454	21	7 29.8	17.2
86983 2000 JA_{26}	15.5	X	247.67605	0.98343	280.45975	6.46349	0.0928213	0.27127696	2.3633467	21	1 19.9	18.8
86984 2000 JF_{26}	15.8	X	253.13133	275.75013	245.47129	8.62006	0.0434828	0.25847272	2.4407666	21	12 26.4	18.8
86985 2000 JU_{29}	15.7	X	314.44427	3.59168	263.96519	3.97274	0.1667175	0.27735233	2.3287070	21	3 9.1	18.5
86986 2000 JM_{30}	15.8	X	245.97010	251.60203	34.38439	3.89195	0.1278951	0.27054717	2.3675949	21	1 24.4	19.4
86987 2000 JW_{30}	16.2	X	4.25269	249.40632	351.56447	4.00920	0.1059294	0.28128159	2.3069695	21	5 4.1	18.4
86988 2000 JB_{31}	15.4	X	11.10895	264.59191	30.52844	7.36416	0.0973428	0.24136573	2.5547729	21	8 16.6	18.3
86989 2000 JO_{32}	15.5	X	114.37794	52.43970	237.79047	8.77978	0.2060013	0.25291311	2.4764059	21	12 27.1	19.7
86990 2000 JJ_{34}	15.6	X	242.67197	78.42663	249.49598	6.78430	0.1537349	0.27434727	2.3456810	21	3 8.4	19.3
86991 2000 JX_{34}	16.0	X	258.84446	75.44097	260.24904	1.00176	0.2548946	0.27661373	2.3328504	21	3 28.9	19.6
86992 2000 JN_{35}	15.6	X	345.19650	125.70037	241.66280	5.04750	0.2027903	0.29297185	2.2451850	21	10 29.6	17.0
86993 2000 JH_{36}	15.8	X	313.37177	291.47715	22.32041	4.42018	0.2402606	0.28052257	2.3111290	21	5 1.6	18.3
86994 2000 JP_{36}	16.0	X	310.97807	301.35007	295.96440	1.92810	0.1760869	0.27323269	2.3520558	21	1 24.7	19.2
86995 2000 JG_{37}	15.4	X	184.47589	215.80065	43.41562	3.07164	0.1669568	0.25868284	2.4394446	21	—	—
86996 2000 JM_{37}	15.6	X	45.19765	257.53211	57.22959	6.05264	0.2598598	0.24520957	2.5280041	21	11 27.4	19.0
86997 2000 JQ_{37}	16.1	X	261.73304	260.48274	33.76708	2.66954	0.2161601	0.27167613	2.3610312	21	2 13.1	19.9
86998 2000 JG_{39}	16.0	X	78.29848	148.67840	44.59451	6.59106	0.0988653	0.28542231	2.2846031	21	7 5.5	18.7
86999 2000 JG_{40}	16.3	X	48.53760	6.26429	261.06042	3.42937	0.2160276	0.24143680	2.5542716	21	9 20.9	19.5
87000 2000 JE_{43}	15.9	X	265.47619	279.44197	53.89814	5.16050	0.1387486	0.23230531	2.6207763	21	4 18.2	19.6
87001 2000 JN_{44}	16.4	X	92.41572	68.26206	57.90667	13.00021	0.2300617	0.23490837	2.6013795	21	5 14.0	19.9
87002 2000 JK_{46}	15.3	X	335.54942	257.99448	62.95732	12.54872	0.1518989	0.23844590	2.5755865	21	7 13.9	18.1
87003 2000 JL_{46}	16.1	X	197.10262	89.85252	227.92880	1.36311	0.1817186	0.26628059	2.3928183	21	1 18.1	19.8
87004 2000 JU_{49}	15.8	X	354.03819	303.46294	11.47782	7.40574	0.1278772	0.28782786	2.2718562	21	8 19.5	17.7
87005 2000 JJ_{52}	15.4	X	322.28030	313.47629	35.17066	8.09379	0.3181653	0.28427996	2.2907193	21	6 30.5	17.1
87006 2000 JU_{53}	14.2	X	165.83064	139.45063	163.93192	35.39369	0.2319628	0.21204722	2.7851440	21	—	—
87007 2000 JF_{55}	15.6	X	325.66693	84.26332	179.44027	3.62942	0.1048183	0.27834047	2.3231922	21	4 2.3	18.1
87008 2000 JK_{55}	15.7	X	296.20436	192.14202	70.35310	7.18872	0.1131027	0.27433140	2.3457715	21	2 20.9	18.9
87009 2000 JN_{55}	15.8	X	277.82820	108.59291	201.31032	6.72770	0.2820531	0.27509830	2.3414099	21	3 10.0	19.5
87010 2000 JR_{55}	15.6	X	258.97142	233.67518	81.16328	6.88541	0.1206778	0.27519557	2.3408581	21	3 18.1	19.0
87011 2000 JQ_{56}	15.6	X	17.89525	179.40028	123.48231	4.94960	0.1663489	0.24146437	2.5540772	21	9 16.0	18.1
87012 2000 JM_{57}	15.3	X	7.30939	133.98553	173.55229	5.26951	0.2276307	0.23962622	2.5671219	21	9 5.3	17.2
87013 2000 JP_{57}	15.4	X	274.14764	150.57827	104.45463	7.17672	0.0813877	0.27009404	2.3702422	21	1 17.5	18.5
87014 2000 JV_{57}	15.3	X	354.92143	350.71925	214.58586	4.88687	0.1459803	0.27542279	2.3395705	21	2 16.1	17.6
87015 2000 JJ_{58}	15.4	X	350.01818	154.76574	103.35051	5.90109	0.0947905	0.28009119	2.3135013	21	5 9.2	17.7
87016 2000 JJ_{62}	15.4	X	334.27295	65.44498	229.53101	9.69394	0.1632038	0.23512974	2.5997465	21	5 29.9	18.0
87017 2000 JJ_{63}	16.2	X	284.44748	324.81704	297.24056	3.56842	0.1494777	0.27292271	2.3538363	21	1 29.9	19.5
87018 2000 JL_{63}	16.0	X	347.18734	30.35317	252.37008	4.90796	0.1674860	0.28311687	2.2969888	21	6 2.4	17.8
87019 2000 JY_{63}	15.7	X	67.36711	183.77051	67.69069	4.06841	0.0697628	0.24383019	2.5375293	21	9 6.8	18.9
87020 2000 JA_{64}	16.0	X	223.40369	130.51865	207.06048	3.51141	0.2094899	0.27220407	2.3579774	21	3 3.9	20.0
87021 2000 JR_{65}	16.0	X	311.80064	176.03307	126.74391	7.53291	0.2126129	0.28011157	2.3133891	21	4 22.6	18.7
87022 2000 JU_{65}	16.2	X	323.32328	94.29967	164.15934	9.16671	0.1478261	0.27751277	2.3278093	21	3 15.4	18.9
87023 2000 JC_{66}	15.8	X	8.17914	112.33197	95.73691	11.19772	0.1230954	0.27842237	2.3227366	21	3 29.3	18.2
87024 2000 JS_{66}	18.7	X	334.09112	84.92070	230.53506	14.43128	0.1899770	0.75279482	1.1967910	21	4 17.5*	17.3
87025 2000 JT_{66}	18.1	X	255.61665	359.61386	120.50793	25.32074	0.4836257	0.72544759	1.2266821	21	—	—
87026 2000 JH_{76}	16.4	X	267.46405	94.58954	144.81128	1.75032	0.1854030	0.26761950	2.3848306	21	—	—
87027 2000 JJ_{77}	16.1	X	276.74615	194.26912	77.19376	3.56641	0.1860626	0.27230445	2.3573979	21	1 31.8	19.7
87028 2000 JA_{78}	15.3	X	267.30497	339.67571	312.43580	5.16460	0.1970097	0.27317543	2.3523844	21	2 14.9	19.1
87029 2000 JP_{81}	15.8	X	54.89578	343.20193	269.28800	3.09536	0.1604628	0.24164389	2.5528120	21	8 31.8	19.0
87030 2000 JO_{82}	15.7	X	110.69305	305.11210	41.07397	2.80305	0.2332315	0.25987283	2.4319919	21	—	—
87031 2000 JS_{83}	15.9	X	84.81865	21.06148	196.22252	6.65156	0.1397196	0.24203995	2.5500264	21	8 20.2	19.5
87032 2000 JE_{84}	15.9	X	227.54320	349.60646	140.98718	3.90382	0.0454712	0.29691880	2.2252437	21	10 19.5	18.5
87033 2000 KK	15.7	X	194.61073	323.68335	227.95943	8.50714	0.0416958	0.25223509	2.4808417	21	11 20.3	19.1
87034 2000 KT_1	15.6	X	236.87357	257.83714	79.06010	7.11600	0.2373108	0.27248914	2.3563326	21	3 18.1	19.6
87035 2000 KE_2	14.3	X	73.85187	301.66446	131.63992	22.92697	0.3426312	0.27322406	2.3521053	21	2 7.8	15.5
87036 2000 KW_3	15.8	X	234.77381	214.30656	133.29006	6.02993	0.1973965	0.27482457	2.3429644	21	3 29.6	19.5
87037 2000 KC_4	16.3	X	217.44432	267.91348	342.37765	1.13006	0.1476791	0.26173665	2.4204327	21	—	—
87038 2000 KU_4	15.2	X	253.53691	298.02684	82.62830	24.01005	0.2041612	0.28185931	2.3038160	21	5 29.5	18.7
87039 2000 KT_5	15.9	X	16.58233	207.85379	102.75238	4.21620	0.2009633	0.24237085	2.5477049	21	9 30.8	18.4
87040 2000 KJ_6	16.3	X	211.81401	139.16914	134.16805	2.88824	0.1817755	0.26348642	2.4097051	21	—	—

* The additional opposition: 11 10.1, $V = 15.9$

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87041 2000 KV_6	16.2	X	313.93911	95.77818	186.45960	5.81361	0.1753505	0.27771989	2.3266518	21	3 30.0	18.7
87042 2000 KX_6	15.9	X	313.72184	134.41235	126.77400	5.63476	0.1693723	0.27567529	2.3381417	21	3 3.2	18.8
87043 2000 KQ_7	16.3	X	224.62124	118.33957	192.63331	2.29019	0.1758224	0.26872019	2.3783139	21	2 1.8	20.2
87044 2000 KC_8	15.8	X	350.72798	71.05097	205.38662	5.18981	0.1506964	0.23476113	2.6024672	21	6 5.4	18.3
87045 2000 KJ_9	15.6	X	247.02562	140.44509	221.98526	6.12048	0.2068873	0.27979738	2.3151206	21	4 25.0	19.3
87046 2000 KT_{12}	15.9	X	272.16177	141.28699	245.33027	5.47391	0.1022060	0.28727766	2.2747560	21	7 10.3	18.6
87047 2000 KZ_{16}	16.3	X	247.57697	225.39198	64.37326	3.36540	0.1853232	0.26993715	2.3711605	21	1 28.1	20.0
87048 2000 KT_{20}	15.3	X	5.98196	226.65323	81.49829	4.10169	0.1665218	0.24033962	2.5620394	21	8 30.7	17.7
87049 2000 KP_{21}	16.3	X	231.39545	250.54899	45.84977	2.50341	0.2016790	0.26807128	2.3821505	21	1 22.1	20.2
87050 2000 KS_{21}	16.5	X	281.18578	193.00734	61.78078	3.44733	0.1479133	0.27078092	2.3662321	21	1 18.8	19.9
87051 2000 KO_{26}	15.6	X	141.28857	53.74041	267.25264	3.53373	0.2017978	0.25862964	2.4397792	21	—	—
87052 2000 KG_{27}	14.8	X	255.44210	269.29034	69.81026	10.74931	0.0680040	0.23082089	2.6320005	21	4 24.9	18.6
87053 2000 KZ_{29}	14.7	X	325.58970	264.07657	74.74584	13.90324	0.2138723	0.23755607	2.5820142	21	7 12.1	17.3
87054 2000 KU_{30}	15.0	X	344.41946	4.00014	270.76639	2.83160	0.1001613	0.23399699	2.6081298	21	5 25.2	18.0
87055 2000 KP_{32}	16.2	X	229.58433	343.73000	304.99196	0.57597	0.1747545	0.26683380	2.3895098	21	1 11.1	20.0
87056 2000 KX_{34}	15.7	X	257.01064	98.84075	226.68351	7.48761	0.1515407	0.27525413	2.3405261	21	3 20.6	19.2
87057 2000 KD_{35}	15.8	X	335.16068	187.57341	113.81947	7.70330	0.1813432	0.23548438	2.5971358	21	6 8.8	18.4
87058 2000 KY_{35}	15.6	X	335.10511	133.89446	216.18801	7.43634	0.0789078	0.24232421	2.5480318	21	8 26.9	18.6
87059 2000 KZ_{36}	16.6	X	212.19969	242.09485	70.02685	0.26023	0.2122670	0.26809882	2.3819874	21	1 24.9	20.7
87060 2000 KF_{39}	16.3	X	231.76947	126.54034	209.17375	6.98331	0.0895379	0.22802638	2.6534607	21	3 17.7	20.2
87061 2000 KP_{45}	15.3	X	66.14813	105.28417	206.13127	6.33814	0.0455815	0.20424224	2.8556545	21	11 12.4	19.1
87062 2000 KC_{53}	16.4	X	245.08131	35.61579	269.37143	2.47703	0.1873223	0.27099718	2.3649731	21	2 11.5	20.2
87063 2000 KO_{53}	14.2	X	313.88161	88.54998	255.60185	11.16405	0.1900789	0.23730912	2.5838052	21	6 29.1	17.0
87064 2000 KW_{54}	15.5	X	3.21710	226.29296	84.36583	9.14439	0.1726121	0.24082199	2.5586171	21	8 31.9	18.0
87065 2000 KM_{56}	16.0	X	269.01401	111.18885	206.46433	5.22023	0.1701608	0.27492397	2.3423996	21	3 22.7	19.4
87066 2000 KP_{56}	15.4	X	65.27686	327.53080	241.31353	11.98011	0.2086205	0.23827748	2.5768000	21	7 22.2	18.8
87067 2000 KA_{57}	15.6	X	123.15502	335.83040	229.84543	1.74996	0.1295850	0.24458666	2.5322945	21	9 17.7	19.4
87068 2000 KN_{58}	15.9	X	230.90832	183.79206	127.76534	9.80751	0.2184707	0.27115343	2.3640645	21	2 8.2	19.8
87069 2000 KE_{59}	15.8	X	2.68498	25.80310	204.11480	5.40752	0.0615997	0.27927558	2.3180034	21	4 18.9	18.1
87070 2000 KP_{59}	15.2	X	357.27946	246.72029	69.79055	14.33069	0.1879670	0.24037861	2.5617623	21	9 1.6	17.8
87071 2000 KM_{61}	15.0	X	344.86908	96.77933	217.89244	13.01475	0.1186282	0.23920640	2.5701246	21	7 19.9	18.1
87072 2000 KF_{62}	15.1	X	251.73690	252.97134	109.14311	13.21688	0.2109096	0.23356431	2.6113499	21	5 7.3	19.5
87073 2000 KF_{66}	14.8	X	321.39077	168.53663	195.70510	26.81191	0.2237824	0.24013682	2.5634816	21	8 3.9	18.1
87074 2000 KC_{68}	16.2	X	280.64738	218.64770	94.40347	7.08121	0.1436790	0.27673187	2.3321864	21	4 6.7	19.4
87075 2000 KK_{70}	16.1	X	27.85623	69.45925	251.35544	1.59144	0.2439863	0.24461478	2.5321004	21	11 9.5	18.9
87076 2000 KL_{73}	14.7	X	223.93099	17.82387	266.61280	11.61438	0.1358431	0.21533737	2.7567018	21	1 8.1	19.1
87077 2000 KS_{73}	16.0	X	256.66508	147.61489	117.25713	6.04692	0.2045687	0.26955396	2.3734071	21	1 4.1	19.9
87078 2000 KC_{74}	15.8	X	292.97429	182.21353	97.27792	7.86534	0.1068340	0.27661006	2.3328710	21	3 12.8	18.9
87079 2000 KG_{75}	15.1	X	278.52750	123.37126	218.50666	13.55745	0.1363165	0.23434252	2.6055655	21	5 14.4	18.7
87080 2000 KH_{75}	16.1	X	43.39115	194.96220	146.85462	4.84856	0.1623835	0.29677176	2.2259787	21	12 26.8	18.9
87081 2000 KH_{76}	15.7	X	41.96536	183.75890	133.05935	4.79174	0.2608916	0.24534823	2.5270515	21	11 27.7	19.0
87082 2000 KU_{76}	15.9	X	30.94538	244.41016	106.64387	6.55450	0.1739093	0.29570758	2.2313160	21	12 25.1	18.4
87083 2000 KV_{76}	15.8	X	254.61132	234.30752	103.52209	7.06456	0.1420683	0.27676642	2.3319923	21	4 10.3	19.2
87084 2000 KY_{76}	15.3	X	8.88999	39.28276	228.22969	14.26188	0.0893229	0.23710035	2.5853217	21	6 26.1	18.4
87085 2000 KU_{78}	16.0	X	233.55364	153.81612	179.34196	4.35875	0.2436301	0.27183602	2.3601053	21	3 6.6	20.1
87086 2000 KZ_{81}	15.6	X	297.91036	358.66329	330.21114	3.49212	0.1042169	0.28399247	2.2922650	21	5 23.3	18.3
87087 2000 KA_{83}	16.0	X	135.72806	139.63205	179.33078	6.39170	0.1856192	0.25919985	2.4361997	21	—	—
87088 Joannewheeler	16.1	X	225.34302	125.95443	244.91430	4.00582	0.2441994	0.27670411	2.3323424	21	4 14.3	20.2
87089 2000 LF_1	15.8	X	257.50698	210.63018	118.90306	6.77907	0.2596375	0.27341847	2.3509902	21	3 23.6	19.7
87090 2000 LX_2	14.5	X	3.60186	85.29439	236.12466	23.07861	0.1495914	0.23933307	2.5692177	21	8 30.4	17.8
87091 2000 LB_3	15.1	X	213.59278	73.33479	251.34344	21.82611	0.2540370	0.26636392	2.3923192	21	2 1.4	19.8
87092 2000 LK_3	14.9	X	44.30955	109.61686	206.96738	10.95990	0.1981623	0.24511084	2.5286829	21	11 20.9	18.2
87093 2000 LW_6	15.1	X	238.64637	241.92035	94.86473	7.50736	0.1430870	0.27479565	2.3431287	21	3 23.9	18.7
87094 2000 LA_7	15.6	X	169.94745	292.62604	171.66555	4.81027	0.0724951	0.23844675	2.5755804	21	6 25.0	19.3
87095 2000 LO_7	15.1	X	38.44653	96.96544	228.60528	10.97564	0.2201535	0.24522888	2.5278713	21	11 27.7	18.3
87096 2000 LU_9	15.6	X	239.32302	342.65285	247.11497	1.31359	0.1780126	0.26210449	2.4181677	21	—	—
87097 Lomaki	15.3	X	118.95681	301.07223	215.24386	7.29085	0.1019024	0.23784339	2.5799343	21	7 6.4	19.0
87098 2000 LS_{10}	15.0	X	314.62122	149.39100	192.61827	12.41549	0.2933624	0.23206083	2.6226167	21	6 10.2	18.1
87099 2000 LV_{12}	15.2	X	8.97492	203.23752	110.35445	15.38583	0.0679283	0.24081417	2.5586724	21	9 8.8	18.5
87100 2000 LU_{14}	14.2	X	5.66041	19.70558	266.92112	14.10714	0.1603771	0.23428743	2.6059738	21	7 19.9	16.8
87101 2000 LD_{17}	14.3	X	8.63996	18.05789	239.44965	11.38715	0.1562116	0.23087123	2.6316179	21	6 13.6	16.9
87102 2000 LT_{17}	15.2	X	358.92526	130.58495	145.81341	13.45898	0.1979812	0.23467809	2.6030810	21	6 22.4	17.7
87103 2000 LX_{17}	15.0	X	320.50414	200.58318	114.94727	14.36002	0.1799224	0.23237211	2.6202741	21	6 4.3	18.2
87104 2000 LH_{18}	14.8	X	260.71778	195.24479	147.45575	12.84145	0.2006825	0.22682155	2.6628488	21	4 22.1	19.1
87105 2000 LX_{18}	14.8	X	218.19428	112.19162	228.75970	11.63405	0.1936237	0.22081934	2.7108863	21	3 5.7	19.6
87106 2000 LZ_{18}	15.9	X	209.41576	66.86399	217.57022	6.74596	0.2266635	0.26160259	2.4212596	21	—	—
87107 2000 LD_{20}	14.9	X	53.71263	60.95460	220.32964	5.03054	0.2644305	0.24068099	2.5596162	21	10 25.5	18.2
87108 2000 LU_{20}	14.5	X	244.75348	356.01522	262.34702	11.39775	0.1245758	0.21538702	2.7562780	21	—	—
87109 2000 LA_{21}	15.4	X	219.96656	75.73820	212.13851	6.18465	0.2168660	0.26242789	2.4161806	21	1 2.3	19.6
87110 2000 LW_{21}	14.7	X	286.47246	354.09934	263.57650	13.16596	0.1412219	0.22072320	2.7116735	21	1 31.8	18.9
87111 2000 LJ_{23}	15.0	X	306.88599	122.70665	209.33212	11.80383	0.1793570	0.23035728	2.6355307	21	6 2.9	18.3
87112 2000 LB_{25}	15.0	X	214.95622	155.52098	160.74472	20.19975	0.1917790	0.26407560	2.4061195	21	1 30.8	19.2
87113 2000 LN_{25}	15.3	X	334.99106	205.43270	88.13754	5.64014	0.1341381	0.23418117	2.6067621	21	6 2.2	18.1
87114 2000 LS_{27}	14.9	X	328.32815	242.22239	119.72508	11.54797	0.2985112	0.23427449	2.6060698	21	8 14.5	16.6
87115 2000 LR_{28}	15.2	X	18.34142	219.46601	126.22196	5.43414	0.2376659	0.23979484	2.5659183	21	11 27.9	18.0
87116 2000 LQ_{30}	14.8	X	338.58119	231.12077	126.31717	13.89354	0.1890480	0.23572378	2.5953770	21	9 18.5	17.3
87117 2000 LJ_{32}	14.7	X	139.42357	117.15528	240.71139	11.50823	0.3051516	0.20949839	2.8076885	21	1 30.1	19.5
87118 2000 LB_{34}	15.9	X	179.27298	145.20650	100.45139	8.10563	0.0965917	0.25885316	2.4383744	21	—	—
87119 2000 LC_{34}	16.5	X	351.18714	45.70965	183.76146	6.42354	0.0619727	0.27789958	2.3256488	21	3 30.4	18.9
87120 2000 LO_{34}	14.9	X	246.59385	220.54090	144.79463	14.40786	0.2737622	0.22483953	2.6784750	21	5 1.9	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87121 2000 LG_{35}	15.6	X	17.99206	222.94177	98.65092	14.07691	0.1853002	0.24462694	2.5320165	21	10 23.4	18.6
87122 2000 LB_{36}	15.1	X	5.10778	226.77207	131.39686	11.45044	0.2484687	0.24610848	2.5218446	21	11 27.3	17.7
87123 2000 MQ_{1}	15.7	X	266.78842	102.65107	295.54373	6.47554	0.1562203	0.28129815	2.3068789	21	7 11.9	18.6
87124 2000 MQ_{1}	15.4	X	244.08506	199.53105	86.85261	8.15797	0.1697743	0.22047267	2.7137273	21	1 28.9	19.8
87125 2000 MS_{1}	15.3	X	195.60370	258.36295	90.45362	7.06766	0.1349556	0.26937870	2.3744364	21	2 24.8	19.0
87126 2000 MF_{4}	16.3	X	278.83940	45.71863	223.70615	1.81926	0.2017906	0.27040030	2.3684521	21	1 28.6	19.8
87127 2000 MM_{4}	14.7	X	282.66066	268.22665	85.68123	8.43909	0.1665760	0.23184994	2.6242068	21	5 31.7	18.2
87128 2000 MR_{4}	14.8	X	308.88728	288.86638	53.77938	5.79401	0.1953429	0.23353643	2.6115577	21	6 17.7	17.7
87129 2000 MB_{5}	14.7	X	46.71055	20.96777	296.69662	13.03272	0.1922139	0.24213986	2.5493249	21	11 20.6	18.3
87130 2000 NE	16.2	X	244.10918	70.31789	238.18526	1.85255	0.3174609	0.22072444	2.7116633	21	2 15.0	21.0
87131 2000 NU_{1}	16.0	X	305.87946	206.46377	204.32704	3.54298	0.0788013	0.24106038	2.5569299	21	10 7.4	18.9
87132 2000 NO_{4}	15.7	X	251.37449	302.71227	141.36255	8.55173	0.2300186	0.28381506	2.2932202	21	8 15.7	18.6
87133 2000 NY_{4}	15.1	X	202.92505	43.16147	299.85809	9.62014	0.1263951	0.26520261	2.3992980	21	2 19.1	18.8
87134 2000 NS_{5}	14.8	X	337.72265	54.48539	247.09119	9.05051	0.2984494	0.22941990	2.6427048	21	5 26.5	16.6
87135 2000 NU_{5}	14.1	X	169.25327	143.57780	280.96578	23.22133	0.2859514	0.26396576	2.4067870	21	5 6.3	18.8
87136 2000 NU_{6}	16.0	X	52.42468	233.33379	167.79680	4.72512	0.1785194	0.25223019	2.4808738	21	—	—
87137 2000 ND_{8}	15.8	X	344.10036	241.97739	169.77431	5.21000	0.0679226	0.24655148	2.5188229	21	12 10.9	18.8
87138 2000 NA_{11}	14.4	X	157.47671	38.50443	297.25671	6.77657	0.2266113	0.21106457	2.7937818	21	1 16.6	18.7
87139 2000 ND_{12}	14.7	X	221.33542	109.67013	191.72076	22.42092	0.1880376	0.26218740	2.4176579	21	1 16.5	19.2
87140 2000 NZ_{12}	15.8	X	337.74738	116.58258	241.03107	3.96750	0.2663077	0.23565005	2.5959183	21	9 5.1	17.5
87141 2000 ND_{13}	15.3	X	354.40869	72.90221	296.89041	14.56958	0.0796667	0.24042933	2.5614021	21	10 22.1	18.7
87142 2000 NL_{13}	14.8	X	216.46763	207.31721	143.05367	18.17472	0.2610507	0.21901114	2.7257869	21	3 22.6	19.8
87143 2000 NQ_{14}	15.0	X	75.77810	3.79577	309.93998	14.37802	0.2005312	0.24524823	2.5277384	21	12 22.1	19.0
87144 2000 NT_{14}	14.5	X	176.54668	212.96318	130.60892	12.78173	0.1531958	0.21362714	2.7713950	21	2 6.2	18.8
87145 2000 NC_{15}	15.4	X	263.60454	165.17794	128.95150	11.44886	0.1228077	0.22015943	2.7163007	21	3 2.1	19.5
87146 2000 NG_{16}	15.3	X	4.26033	251.96521	112.36405	8.32920	0.2224401	0.24001797	2.5643278	21	11 27.3	17.8
87147 2000 NM_{16}	15.3	X	63.82826	36.53302	315.25525	12.37633	0.1838263	0.24688307	2.5165671	21	—	—
87148 2000 NH_{17}	16.1	X	49.45084	315.52908	46.53428	3.23824	0.3139002	0.24484778	2.5304938	21	—	—
87149 2000 NS_{18}	15.1	X	100.18185	21.13556	10.02204	2.20688	0.1700292	0.25599746	2.4564746	21	1 2.7	17.7
87150 2000 NW_{18}	15.0	X	326.00191	167.29637	116.68330	13.46567	0.1476314	0.22793353	2.6541812	21	5 7.6	18.4
87151 2000 NZ_{18}	15.0	X	94.74987	224.01270	117.25782	3.81005	0.1595161	0.20304181	2.8668990	21	—	—
87152 2000 NF_{20}	14.8	X	5.43416	73.16779	292.48045	12.38474	0.2137724	0.24147493	2.5540027	21	11 26.9	17.5
87153 2000 NR_{20}	16.5	X	181.05013	199.66049	139.56934	3.63146	0.2091830	0.26194327	2.4191598	21	2 1.3	20.4
87154 2000 NB_{21}	15.3	X	267.72693	217.12710	130.25477	17.33739	0.1909880	0.22625560	2.6672875	21	5 8.6	19.7
87155 2000 NF_{21}	14.8	X	79.24306	13.45838	265.54948	11.13940	0.1648590	0.24134585	2.5549132	21	11 5.2	18.6
87156 2000 NM_{21}	15.6	X	12.82239	100.86497	205.57897	0.74216	0.2034234	0.23795388	2.5791357	21	9 13.2	17.7
87157 2000 NK_{22}	14.9	X	81.98516	13.38084	291.76009	13.33512	0.1823892	0.24427716	2.5344330	21	12 14.9	18.9
87158 2000 NP_{22}	13.8	X	299.54866	155.05510	288.06063	18.13051	0.2049334	0.24034849	2.5619763	21	10 17.9	16.9
87159 2000 NH_{23}	15.9	X	206.39291	197.39619	123.01096	7.15511	0.2175458	0.26376775	2.4079913	21	1 31.0	19.9
87160 2000 NK_{24}	15.3	X	174.20333	42.07567	270.25747	6.77824	0.2171484	0.21110104	2.7934601	21	1 2.5	20.0
87161 2000 NY_{24}	15.6	X	251.34946	178.23842	135.56067	0.88799	0.2231156	0.26902627	2.3765097	21	2 27.1	19.3
87162 2000 NM_{25}	15.6	X	0.97255	237.84427	102.07436	3.20971	0.1481938	0.23896625	2.5718463	21	10 5.7	18.1
87163 2000 NN_{25}	15.1	X	237.31954	201.06913	108.06814	10.46443	0.1451212	0.21972164	2.7199076	21	2 21.3	19.5
87164 2000 NU_{25}	15.5	X	157.56017	256.44047	98.70860	2.52568	0.2040882	0.26024974	2.4296432	21	1 30.9	19.1
87165 2000 NF_{27}	14.1	X	323.86364	68.83084	324.83629	6.79559	0.0932088	0.19250119	2.9706200	21	10 1.7	17.9
87166 2000 NL_{28}	15.0	X	11.93596	62.41581	276.85062	12.00615	0.1994914	0.24022771	2.5628350	21	10 26.1	17.8
87167 2000 NQ_{28}	15.2	X	165.61127	226.27693	122.55787	7.15463	0.1556271	0.26150113	2.4218858	21	1 25.9	18.9
87168 2000 OW	15.3	X	339.47174	47.82913	317.27976	8.69894	0.2230448	0.23755622	2.5820131	21	9 22.6	17.5
87169 2000 OP_{2}	15.5	X	270.87815	189.92965	169.14639	9.59988	0.3513088	0.22748347	2.6576808	21	5 4.9	20.0
87170 2000 OS_{3}	14.9	X	302.74330	174.88413	219.57796	4.75946	0.3063249	0.23356538	2.6113419	21	7 31.8	17.8
87171 2000 OP_{4}	15.4	X	179.63093	202.84837	163.17112	14.87610	0.2350417	0.26267174	2.4146850	21	3 6.1	19.5
87172 2000 OR_{4}	14.6	X	78.43512	133.92411	279.81533	8.18700	0.1778510	0.25495710	2.4631525	21	—	—
87173 2000 OE_{5}	14.8	X	346.15509	174.07962	165.78894	13.81276	0.1691378	0.23512741	2.5997637	21	9 2.1	17.3
87174 2000 OF_{5}	15.2	X	179.52630	131.97941	167.42897	7.43013	0.1194231	0.25657847	2.4527648	21	—	—
87175 2000 OY_{5}	14.9	X	31.76391	26.76929	306.28062	12.46310	0.1780229	0.23970092	2.5665885	21	11 17.0	18.3
87176 2000 OZ_{5}	13.8	X	337.09595	57.59153	315.90322	12.78639	0.2027340	0.23574794	2.5951996	21	9 26.6	16.3
87177 2000 OJ_{6}	15.2	X	97.24060	95.61550	267.58006	5.23113	0.1498091	0.25416723	2.4682530	21	—	—
87178 2000 OZ_{6}	14.6	X	4.74786	339.43033	341.50178	13.26005	0.1662349	0.23307990	2.6149667	21	9 11.8	17.2
87179 2000 ON_{7}	14.6	X	41.34658	44.32374	309.64398	13.04128	0.3146916	0.24178167	2.5518421	21	—	—
87180 2000 OT_{7}	14.6	X	332.67891	109.19476	303.69619	13.18779	0.1802414	0.24011844	2.5636124	21	11 22.9	17.2
87181 2000 OC_{8}	14.9	X	74.78556	24.72612	279.59465	11.87257	0.1718148	0.24191929	2.5508743	21	12 4.8	18.7
87182 2000 OB_{9}	14.7	X	307.35565	238.41017	164.16027	30.92966	0.3071137	0.23189059	2.6239001	21	8 22.9	17.5
87183 2000 OX_{9}	15.1	X	294.28166	117.52929	132.21397	5.48646	0.1933716	0.26990874	2.3713269	21	1 20.5	18.5
87184 2000 OC_{10}	15.4	X	303.08457	80.38419	260.87127	0.55451	0.2199750	0.23204242	2.6227554	21	6 2.4	18.6
87185 2000 OP_{12}	15.5	X	207.86794	138.68065	193.63931	2.28743	0.1803203	0.26533479	2.3985011	21	2 13.7	19.5
87186 2000 OG_{13}	15.5	X	242.86963	9.05456	288.34028	2.65379	0.0955039	0.21954379	2.7213763	21	2 11.9	19.6
87187 2000 OQ_{13}	15.7	X	63.30471	144.92618	156.28283	4.08541	0.1752006	0.24366196	2.5386971	21	11 20.7	19.3
87188 2000 OL_{14}	15.0	X	159.61838	235.37300	148.62612	5.30191	0.1237351	0.21788658	2.7351578	21	3 8.2	19.0
87189 2000 OM_{14}	16.5	X	152.35402	163.41839	175.21149	2.15439	0.2269546	0.25802563	2.4435852	21	1 7.6	20.0
87190 2000 OR_{14}	15.4	X	195.12909	171.14954	131.76797	3.61152	0.0628799	0.21353309	2.7722087	21	1 1.9	19.5
87191 2000 OM_{15}	15.2	X	197.68641	163.37626	120.89716	4.61283	0.1556984	0.21189717	2.7864587	21	—	—
87192 2000 OG_{17}	15.6	X	131.80569	6.18121	355.02742	1.78958	0.2270295	0.25674797	2.4516852	21	1 15.1	19.0
87193 2000 OS_{17}	14.3	X	81.11768	231.76870	319.10986	14.04321	0.1224480	0.23183563	2.6243148	21	7 11.9	17.9
87194 2000 OK_{18}	15.4	X	47.61004	179.74711	129.76121	7.37118	0.2556919	0.24153366	2.5535887	21	11 24.5	18.9
87195 2000 OW_{18}	15.6	X	207.08054	248.99716	129.27317	4.55419	0.1398926	0.26962070	2.3730154	21	4 13.7	19.3
87196 2000 OG_{20}	15.3	X	351.05156	148.62739	256.17732	5.21829	0.2834948	0.24142149	2.5543796	21	—	—
87197 2000 OE_{22}	15.2	X	196.99832	113.67302	292.60102	21.35349	0.2758602	0.26953767	2.3735027	21	5 1.3	19.9
87198 2000 OQ_{22}	14.6	X	27.23999	13.41091	5.16902	11.28664	0.2111857	0.24058785	2.5602768	21	—	—
87199 2000 OD_{24}	15.6	X	192.74180	243.36225	97.14343	3.16719	0.2305215	0.26401527	2.4064860	21	2 14.3	19.7
87200 2000 OV_{24}	15.3	X	359.14074	277.12856	51.57784	2.83655	0.3032222	0.23785961	2.5798171	21	9 30.9	16.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87201 2000 OO_{25}	15.3	X	170.23726	25.61103	331.84580	3.77424	0.0782369	0.26418937	2.4054287	21	2 3.4	18.6
87202 2000 OV_{25}	15.0	X	154.50046	223.02628	107.95428	5.18900	0.2185079	0.25799722	2.4437646	21	—	—
87203 2000 OL_{26}	15.5	X	177.91412	289.17121	90.30117	2.43478	0.1863880	0.26590841	2.3950504	21	3 19.6	19.2
87204 2000 OL_{29}	15.3	X	127.37966	98.90644	257.09389	7.83294	0.1692126	0.25655052	2.4529430	21	—	—
87205 2000 OB_{30}	15.6	X	114.00123	100.87528	274.23579	8.89368	0.2853957	0.25513848	2.4619850	21	1 18.5	18.6
87206 2000 ON_{31}	14.5	X	236.25526	121.22335	289.74413	11.80280	0.1551782	0.22961491	2.6412083	21	6 23.9	18.6
87207 2000 OO_{32}	15.2	X	229.75063	102.83899	218.88049	3.08813	0.1953509	0.21872555	2.7281592	21	2 23.9	19.9
87208 2000 OQ_{32}	15.7	X	58.09842	68.36932	269.23522	4.24799	0.2863963	0.24479405	2.5308640	21	—	—
87209 2000 OW_{32}	15.5	X	97.15391	344.65617	294.16046	9.42797	0.1241182	0.24394408	2.5367394	21	11 20.5	19.5
87210 2000 OS_{35}	15.1	X	189.94024	337.49717	19.29853	8.73520	0.1768948	0.26183986	2.4197967	21	3 4.2	19.0
87211 2000 OP_{36}	14.5	X	235.49165	101.66125	254.46913	13.74152	0.1279381	0.22439330	2.6820248	21	4 11.5	18.9
87212 2000 OQ_{36}	15.6	X	52.48636	91.77345	247.11517	7.10216	0.1873850	0.24474195	2.5312232	21	12 26.1	19.1
87213 2000 OT_{36}	14.5	X	359.30883	113.83121	246.31718	9.06472	0.1567393	0.19251580	2.9704697	21	10 18.8	17.9
87214 2000 OX_{36}	15.6	X	337.34695	167.99641	234.33580	7.70267	0.1513850	0.24147404	2.5540089	21	11 19.1	18.0
87215 2000 OM_{37}	14.2	X	250.56194	89.83309	237.11630	9.77844	0.0664235	0.22321233	2.6914766	21	3 28.1	18.2
87216 2000 OG_{38}	14.3	X	354.26302	149.53606	243.36482	12.30857	0.1393242	0.19561861	2.9389753	21	11 24.5	17.5
87217 2000 OO_{38}	15.1	X	161.14855	134.78341	215.27246	8.23217	0.2278261	0.21192045	2.7862547	21	2 2.5	19.9
87218 2000 OS_{38}	14.6	X	296.22604	178.26011	235.13133	13.05614	0.1255304	0.23727610	2.5840449	21	9 13.1	17.9
87219 2000 OH_{39}	15.4	X	27.15134	87.57884	258.22038	10.87106	0.1618973	0.24138859	2.5546117	21	11 28.2	18.5
87220 2000 OK_{40}	15.4	X	309.11616	4.40417	260.78892	12.35553	0.1385012	0.22424319	2.6832216	21	3 6.9	19.4
87221 2000 OQ_{40}	15.6	X	355.85654	185.04019	200.41643	8.43599	0.2538724	0.24001918	2.5643192	21	12 14.3	18.0
87222 2000 OV_{40}	14.1	X	211.57386	138.47064	245.37358	5.22926	0.1574717	0.17527534	3.1621963	21	4 28.0	19.2
87223 2000 OD_{41}	14.8	X	46.06036	158.95219	261.69208	5.23126	0.1087854	0.25237813	2.4799042	21	—	—
87224 2000 OG_{41}	14.6	X	291.56074	154.98033	265.92634	11.93051	0.2626049	0.23607463	2.5928049	21	8 23.4	18.0
87225 2000 OP_{41}	14.8	X	52.44115	83.89955	249.91689	9.38243	0.1315701	0.19663537	2.9288354	21	12 3.4	18.7
87226 2000 OY_{41}	15.2	X	258.14905	194.44408	181.83953	15.01394	0.2005339	0.22758142	2.6569182	21	5 29.6	19.5
87227 2000 OC_{42}	16.1	X	337.77919	108.38877	200.14697	4.23408	0.3062126	0.23175883	2.6248945	21	6 6.3	18.0
87228 2000 OD_{42}	13.4	X	264.91082	148.75327	293.28358	9.65921	0.0402254	0.18992175	2.9974566	21	9 14.9	17.7
87229 2000 OO_{42}	15.0	X	58.76054	68.95329	240.28343	4.63029	0.1559175	0.24174209	2.5521207	21	11 21.6	18.6
87230 2000 OZ_{42}	15.6	X	39.50970	55.09554	314.64818	13.76814	0.1928392	0.24458476	2.5323076	21	—	—
87231 2000 OB_{43}	14.5	X	298.07652	83.27235	308.95099	11.76955	0.2031914	0.23288938	2.6163927	21	8 8.8	17.4
87232 2000 OC_{43}	15.8	X	170.36092	139.51483	165.64054	9.77396	0.2389236	0.25626440	2.4547684	21	—	—
87233 2000 OE_{43}	15.0	X	221.31656	144.00071	169.76492	9.48743	0.2054584	0.21599739	2.7510832	21	2 7.9	19.7
87234 2000 OX_{43}	14.7	X	24.19978	72.77439	308.56641	12.77150	0.1890039	0.24314094	2.5423226	21	—	—
87235 2000 OM_{44}	13.1	X	286.04695	140.43637	316.85934	12.70632	0.1272166	0.23978139	2.5660143	21	10 27.8	16.4
87236 2000 OO_{44}	15.7	X	7.18988	124.82838	226.77839	4.18102	0.2720850	0.23804407	2.5784842	21	11 20.4	18.0
87237 2000 OP_{44}	14.8	X	88.54664	352.98468	306.80434	12.07020	0.2273920	0.24434853	2.5339395	21	12 18.3	19.1
87238 2000 OA_{45}	15.0	X	39.06400	79.27050	247.31990	4.16064	0.2367090	0.23989916	2.5651744	21	12 1.0	18.4
87239 2000 OH_{45}	14.6	X	255.75863	148.96023	266.20075	11.54416	0.2774911	0.22909678	2.6451891	21	7 5.0	18.7
87240 2000 OJ_{45}	14.5	X	301.30341	136.82201	176.21397	13.03685	0.2578540	0.22712646	2.6604650	21	4 19.2	18.1
87241 2000 OL_{45}	14.5	X	269.11156	45.24741	276.77197	11.02578	0.1751190	0.22309481	2.6924216	21	3 28.4	18.8
87242 2000 OU_{45}	14.4	X	241.03803	158.98671	207.75314	4.64685	0.1877610	0.17680406	3.1439422	21	5 3.4	19.5
87243 2000 OV_{45}	15.2	X	44.66252	120.98888	180.57044	15.34784	0.2646040	0.23942665	2.5685482	21	11 12.5	18.8
87244 2000 OT_{46}	15.2	X	345.56882	177.02557	165.39119	14.33109	0.2592371	0.23401277	2.6080125	21	9 4.9	16.7
87245 2000 OX_{46}	15.2	X	91.30881	332.70192	340.39036	6.02497	0.2132934	0.24533972	2.5271099	21	—	—
87246 2000 OA_{47}	15.2	X	141.83207	25.99437	345.50338	13.39327	0.1963113	0.25675569	2.4516360	21	2 7.3	18.8
87247 2000 OB_{47}	15.7	X	28.51756	326.18262	357.20627	5.53740	0.3217328	0.23876941	2.5732595	21	11 24.4	18.8
87248 2000 OQ_{47}	13.9	X	323.68090	51.85517	344.95530	15.01385	0.1347290	0.23550345	2.5969955	21	10 7.2	16.8
87249 2000 OR_{47}	14.3	X	64.72066	339.38118	342.28429	15.67392	0.2369701	0.24246592	2.5470389	21	12 24.4	18.5
87250 2000 OX_{47}	15.0	X	48.81396	341.82287	339.81490	3.44731	0.3039907	0.24079290	2.5588231	21	12 14.9	18.7
87251 2000 OV_{49}	14.5	X	274.86616	231.04952	127.67677	9.67353	0.1858056	0.22515656	2.6759602	21	5 27.7	18.4
87252 2000 OM_{50}	14.8	X	331.18354	31.78068	349.81388	12.00097	0.3044842	0.23430525	2.6058417	21	9 24.2	16.1
87253 2000 OT_{50}	15.4	X	16.96255	297.90078	68.87550	4.98469	0.2811974	0.23947553	2.5681987	21	12 30.3	18.4
87254 2000 OY_{52}	15.1	X	267.10071	292.86004	121.72066	2.76380	0.1970343	0.22879049	2.6475494	21	7 27.9	18.6
87255 2000 OB_{53}	14.4	X	344.74250	72.62537	281.95233	12.91243	0.0769945	0.19063531	2.9899722	21	9 8.4	18.5
87256 2000 ON_{53}	14.9	X	359.74645	19.18409	271.96173	11.62119	0.1647276	0.23113106	2.6296453	21	7 15.7	17.3
87257 2000 OO_{53}	14.2	X	343.28179	152.23569	284.29816	12.34737	0.1381642	0.24420068	2.5349621	21	—	—
87258 2000 OP_{53}	14.5	X	286.20663	50.69012	299.23680	13.60400	0.1455024	0.22731169	2.6590196	21	6 1.9	18.3
87259 2000 OW_{53}	15.4	X	258.95741	10.07990	319.32920	11.48919	0.0975563	0.21969444	2.7201321	21	4 4.4	19.7
87260 2000 ON_{54}	15.8	X	26.04335	186.93840	137.26502	5.01120	0.1059878	0.24100061	2.5573527	21	10 22.2	18.9
87261 2000 OQ_{55}	15.6	X	355.56869	193.33121	160.58616	4.65402	0.1669873	0.23926341	2.5697164	21	10 17.3	17.9
87262 2000 OC_{56}	15.3	X	339.87067	238.58564	122.39217	4.46204	0.1009299	0.23821788	2.5772298	21	9 24.9	18.0
87263 2000 OB_{57}	15.4	X	356.97982	64.40147	359.16391	2.97682	0.1064433	0.24797069	2.5092031	21	—	—
87264 2000 OY_{57}	15.7	X	180.58844	286.12319	120.71185	7.33481	0.1131650	0.26966875	2.3727335	21	4 24.8	19.3
87265 2000 OL_{58}	14.9	X	214.73515	46.91028	328.68915	5.07806	0.2494918	0.26854577	2.3793436	21	4 11.2	19.1
87266 2000 OK_{59}	16.8	X	67.17437	169.77655	161.94501	2.75529	0.2530990	0.24572650	2.5244574	21	—	—
87267 2000 OM_{59}	15.9	X	21.87099	229.51084	141.83018	6.33611	0.0969056	0.24426865	2.5344918	21	12 16.1	19.0
87268 2000 OR_{59}	15.7	X	32.19945	41.81923	291.36559	4.71055	0.1803703	0.24118965	2.5560162	21	11 20.9	18.9
87269 2000 OO_{67}	9.2	X	0.38459	212.50861	142.18565	20.07358	0.9661199	0.00006503	612.4490239	21	11 29.2	24.0
87270 2000 OR_{69}	14.5	X	316.03239	274.75261	134.32386	9.84662	0.1015838	0.19313648	2.9641022	21	10 16.5	18.3
87271 Kokubunji	15.5	X	356.10868	11.99869	337.58775	5.68284	0.1307603	0.23864966	2.5741202	21	10 4.9	18.1
87272 2000 PL_{4}	15.1	X	131.49632	30.77350	316.07796	2.28609	0.1140818	0.20915335	2.8107755	21	—	—
87273 2000 PP_{7}	15.2	X	37.90290	300.61650	42.83533	12.19255	0.3450328	0.24081240	2.5586850	21	—	—
87274 2000 PB_{8}	14.4	X	294.93138	82.11951	332.37909	13.46608	0.1848633	0.23396198	2.6083900	21	9 6.7	17.3
87275 2000 PZ_{8}	15.0	X	114.72951	56.32227	261.07770	12.45593	0.1205128	0.25145412	2.4859757	21	—	—
87276 2000 PE_{9}	14.1	X	291.47673	261.93371	4.67152	23.31910	0.1183258	0.17533854	3.1614365	21	3 9.7	18.7
87277 2000 PR_{11}	15.4	X	320.97923	241.60629	104.66920	14.19115	0.1873482	0.23115392	2.6294719	21	7 17.6	17.9
87278 2000 PT_{11}	14.6	X	230.19161	211.56994	92.00589	11.16432	0.2704171	0.21587862	2.7520921	21	2 4.9	19.7
87279 2000 PX_{11}	15.0	X	327.70071	273.69861	123.65774	16.07132	0.1965437	0.23619050	2.5919568	21	10 29.1	17.7
87280 2000 PF_{12}	14.9	X	5.05254	185.61613	100.62964	14.39149	0.2348909	0.23157586	2.6262769	21	7 26.6	16.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87281 2000 PV_{12}	14.0	X	248.60606	111.43705	302.62677	13.47040	0.1909701	0.22626825	2.6671880	21	7 7.9	18.0
87282 2000 PW_{12}	13.8	X	3.34361	62.27073	267.39830	12.44454	0.1579795	0.18620382	3.0372252	21	9 8.5	17.5
87283 2000 PX_{12}	14.9	X	147.79647	100.17384	293.83755	13.07596	0.1795763	0.21129739	2.7917293	21	3 7.0	19.5
87284 2000 PE_{14}	15.7	X	314.78253	265.59591	350.54736	1.43610	0.1462555	0.22483386	2.6785201	21	3 8.3	18.9
87285 2000 PT_{14}	15.4	X	241.53201	207.42503	112.68506	3.72334	0.0881884	0.22161216	2.7044170	21	3 12.8	19.4
87286 2000 PW_{14}	15.8	X	195.06655	213.24263	119.53560	7.52515	0.1027493	0.26378648	2.4078774	21	2 1.1	19.3
87287 2000 PR_{16}	15.9	X	210.27724	194.63748	145.01676	8.26649	0.1043731	0.26599301	2.3945426	21	2 25.5	19.3
87288 2000 PY_{16}	16.0	X	172.14671	239.93707	152.79750	2.94827	0.2152640	0.26554260	2.3972496	21	4 1.1	19.9
87289 2000 PC_{17}	14.8	X	240.95618	30.91530	152.16499	2.57293	0.0089695	0.20313869	2.8659875	21	12 31.1	18.8
87290 2000 PF_{18}	15.2	X	297.11198	60.25555	331.76345	1.45423	0.2093896	0.23444080	2.6048372	21	8 7.1	18.0
87291 2000 PG_{18}	15.1	X	73.82950	223.85024	121.86407	2.53522	0.1789448	0.20099546	2.8863249	21	—	—
87292 2000 PZ_{19}	15.7	X	174.37788	295.49502	71.16300	5.19913	0.2166936	0.26196231	2.4190425	21	3 4.1	19.7
87293 2000 PK_{20}	15.7	X	67.79592	266.87971	41.02307	3.64501	0.1406649	0.24288278	2.5441237	21	11 28.1	19.3
87294 2000 PR_{20}	15.4	X	65.13869	250.45965	47.98829	5.91357	0.1713289	0.24178889	2.5517913	21	11 17.0	18.9
87295 2000 PT_{20}	15.5	X	9.30427	303.07816	76.09400	7.15901	0.1407039	0.24211017	2.5495333	21	12 12.9	18.1
87296 2000 PK_{23}	14.7	X	40.53720	67.98708	283.23754	0.91562	0.1124506	0.19701350	2.9250865	21	12 7.2	18.6
87297 2000 PL_{23}	15.4	X	39.38925	282.07291	322.42196	10.75836	0.1303183	0.23216767	2.6218120	21	7 24.2	18.4
87298 2000 PA_{24}	16.3	X	33.98347	137.12847	205.30303	1.09669	0.2226962	0.24218867	2.5489824	21	12 13.3	19.3
87299 2000 PU_{24}	13.5	X	190.25012	258.19137	161.43404	15.91225	0.2403431	0.17327236	3.1865191	21	5 25.6	19.3
87300 2000 PF_{25}	15.7	X	32.94440	190.51892	121.77498	5.56339	0.2206857	0.23672272	2.5880704	21	11 3.0	18.8
87301 2000 PT_{25}	14.7	X	30.34966	120.51549	256.99962	14.33249	0.1207862	0.24378107	2.5378701	21	—	—
87302 2000 PV_{25}	14.4	X	309.14711	174.22520	249.00981	11.22769	0.1084859	0.23829046	2.5767064	21	10 24.8	17.3
87303 2000 PJ_{26}	13.9	X	242.90715	70.88761	301.13246	12.36435	0.2840182	0.17483175	3.1675429	21	4 29.5	19.5
87304 2000 PY_{26}	15.5	X	115.98819	98.02325	255.32039	4.30591	0.2265039	0.25230459	2.4803861	21	—	—
87305 2000 PB_{27}	14.1	X	108.99626	173.03694	331.73890	11.06542	0.1428665	0.22355393	2.6887340	21	6 15.5	18.1
87306 2000 PR_{27}	13.3	X	235.45179	45.90418	271.41635	34.27335	0.2079423	0.21513671	2.7584156	21	2 6.7	18.6
87307 2000 PA_{28}	15.0	X	151.49991	5.33195	351.41970	9.55276	0.2241974	0.25876078	2.4389548	21	1 31.7	18.8
87308 2000 PY_{28}	14.6	X	312.97830	43.25635	4.11315	12.92418	0.1948838	0.23756888	2.5819214	21	10 1.7	17.1
87309 2000 QP	17.6	X	153.22503	188.16612	294.28017	34.74597	0.4631850	1.26336074	0.8474572	21	7 20.9	15.8
87310 2000 QE_{1}	15.5	X	8.13044	11.21094	345.42099	8.52082	0.2578464	0.23902011	2.5714599	21	11 24.5	18.1
87311 2000 QJ_{1}	16.4	X	262.96514	343.45196	191.43510	7.69602	0.5126796	0.49162292	1.5899421	21	—	—
87312 Akirasuzuki	13.4	X	231.85395	116.82196	348.68130	13.11651	0.1443982	0.23663964	2.5886761	21	9 1.1	17.2
87313 2000 QB_{3}	15.3	X	26.08294	31.40875	354.86894	3.44869	0.1705579	0.24410990	2.5355905	21	—	—
87314 2000 QJ_{3}	15.5	X	113.59301	56.57193	336.73404	6.71304	0.1756517	0.25616589	2.4553977	21	1 27.5	18.4
87315 2000 QV_{4}	15.5	X	63.31641	340.07807	315.54030	1.91153	0.1719709	0.24018915	2.5631093	21	11 10.8	19.1
87316 2000 QL_{5}	14.8	X	251.75977	77.74892	348.91584	5.26692	0.1562659	0.22989561	2.6390580	21	8 1.6	18.6
87317 2000 QM_{5}	15.3	X	274.21477	53.93514	352.91695	2.44355	0.1538020	0.23072082	2.6327616	21	8 2.9	18.8
87318 2000 QS_{8}	15.3	X	215.85732	165.88202	162.04906	8.69674	0.1971508	0.21661762	2.7458292	21	2 20.9	20.0
87319 2000 QD_{9}	14.5	X	5.44204	86.84967	315.18175	12.49631	0.1425582	0.24250705	2.5467509	21	—	—
87320 2000 QX_{9}	14.7	X	287.59001	38.90252	327.17883	0.93216	0.3147880	0.18404999	3.0608745	21	6 2.3	19.2
87321 2000 QA_{10}	16.1	X	173.83367	51.33529	303.74160	1.84577	0.2349880	0.21492257	2.7602475	21	2 20.8	20.8
87322 2000 QX_{10}	15.3	X	83.91232	347.02867	316.80019	11.64922	0.1423868	0.24576395	2.5242010	21	12 11.1	19.3
87323 2000 QB_{11}	15.2	X	124.93429	67.65329	308.87668	4.69606	0.1282588	0.25838420	2.4413240	21	1 11.7	18.2
87324 2000 QH_{11}	15.9	X	99.59071	24.90806	308.95473	4.54154	0.1537070	0.25047029	2.4924812	21	—	—
87325 2000 QM_{11}	15.8	X	8.03532	57.53126	319.04229	7.02195	0.2118670	0.24208153	2.5497344	21	12 18.4	18.6
87326 2000 QV_{13}	15.9	X	48.21714	148.37937	135.18588	8.22416	0.1021187	0.23892567	2.5721375	21	9 29.4	19.1
87327 2000 QZ_{16}	15.3	X	261.63309	141.30938	277.31874	2.72671	0.1128277	0.23282485	2.6168761	21	8 7.2	18.7
87328 2000 QC_{17}	15.8	X	126.91635	35.65390	294.97923	2.78551	0.0887513	0.25280362	2.4771208	21	—	—
87329 2000 QO_{17}	15.0	X	45.02684	345.95386	349.71332	1.17759	0.1201448	0.19548535	2.9403108	21	11 24.3	18.8
87330 2000 QJ_{18}	15.9	X	87.37192	309.68364	309.11704	4.09822	0.1538975	0.24013017	2.5635290	21	10 18.3	19.7
87331 2000 QX_{18}	15.8	X	329.56153	226.38331	135.75413	5.76066	0.0999602	0.23507594	2.6001432	21	9 6.9	18.6
87332 2000 QF_{19}	15.6	X	126.62586	135.23051	154.28442	1.23020	0.0820181	0.20047356	2.8913321	21	12 25.5	19.9
87333 2000 QB_{20}	14.6	X	257.07170	253.92872	159.83395	15.62936	0.1138828	0.18281699	3.0746216	21	7 23.6	19.3
87334 2000 QK_{20}	15.8	X	310.40704	218.74781	165.35630	2.21232	0.2007039	0.23327075	2.6135403	21	8 20.8	18.4
87335 2000 QB_{21}	15.2	X	65.02112	71.09857	173.79072	11.75230	0.2339128	0.23480326	2.6021559	21	9 16.9	18.6
87336 2000 QA_{22}	14.7	X	283.51621	219.28050	139.93581	10.65516	0.0191687	0.18284764	3.0742781	21	7 1.9	19.1
87337 2000 QE_{22}	15.2	X	344.03023	203.06353	166.03461	16.31075	0.2262222	0.23585107	2.5944431	21	10 20.6	17.4
87338 2000 QP_{22}	14.6	X	282.79793	349.31541	7.48210	3.14603	0.1813116	0.22835089	2.6509462	21	6 1.4	18.3
87339 2000 QQ_{22}	16.1	X	53.25692	214.41168	90.23633	1.51291	0.3075313	0.24146788	2.5540524	21	11 29.4	19.9
87340 2000 QB_{23}	14.2	X	201.45321	205.09838	324.33654	13.67748	0.1109955	0.24140159	2.5545200	21	10 14.9	18.2
87341 2000 QF_{23}	15.4	X	159.74935	38.55650	284.17175	5.17926	0.0857537	0.25553295	2.4594507	21	—	—
87342 2000 QR_{23}	15.6	X	57.65548	266.11511	16.36779	4.90230	0.2552124	0.23979356	2.5659275	21	10 29.6	19.2
87343 2000 QH_{25}	15.6	X	28.69024	137.77976	358.87035	22.86441	0.0862165	0.40018741	1.8237296	21	—	—
87344 2000 QM_{25}	14.9	X	279.94702	19.70143	345.22639	28.91057	0.0819734	0.22933998	2.6433188	21	6 30.9	19.1
87345 2000 QX_{25}	14.5	X	279.29456	308.55739	140.70097	29.03851	0.1694757	0.23574560	2.5952168	21	10 13.9	18.2
87346 2000 QZ_{27}	15.2	X	241.08855	33.70295	350.58856	14.28931	0.1263475	0.22488166	2.6781405	21	5 23.5	19.6
87347 2000 QR_{28}	14.7	X	260.51773	108.20608	352.56852	12.32024	0.1411479	0.23622182	2.5917277	21	9 26.6	18.1
87348 2000 QR_{29}	14.7	X	327.37623	320.66059	42.36800	2.78525	0.1032783	0.18539777	3.0460220	21	8 30.3	18.4
87349 2000 QU_{29}	14.6	X	340.16290	258.72719	102.15186	2.66926	0.1955513	0.18755705	3.0225985	21	9 15.4	17.5
87350 2000 QW_{29}	15.1	X	242.82756	296.52321	20.19470	4.11664	0.2211347	0.26584911	2.3954066	21	2 25.4	19.0
87351 2000 QE_{31}	15.2	X	77.22693	285.57400	3.36538	9.79266	0.0558800	0.24130397	2.5552089	21	10 31.9	18.8
87352 2000 QJ_{32}	14.8	X	328.76479	230.61273	90.04391	12.47438	0.1297109	0.23093630	2.6311236	21	7 1.3	17.6
87353 2000 QQ_{32}	15.1	X	317.52494	243.02825	129.23389	14.09702	0.1934365	0.23380977	2.6095219	21	8 20.2	17.6
87354 2000 QR_{33}	15.3	X	201.00044	205.30796	124.11195	17.62127	0.2445921	0.21298138	2.7769941	21	2 13.7	20.3
87355 2000 QC_{36}	15.2	X	248.65272	169.83392	241.51624	2.22094	0.0452498	0.23259292	2.6186154	21	7 21.4	18.7
87356 2000 QU_{36}	14.7	X	336.76001	203.08527	176.55382	3.83731	0.0883492	0.19198483	2.9759441	21	10 7.3	18.3
87357 2000 QN_{37}	15.7	X	93.10484	232.84473	177.53453	2.24956	0.1695852	0.25731046	2.4481109	21	1 16.6	18.1
87358 2000 QZ_{37}	15.6	X	264.38743	229.72942	176.89969	2.86828	0.1610223	0.23160082	2.6260883	21	7 18.4	19.2
87359 2000 QQ_{39}	15.7	X	44.94094	222.67587	150.69087	8.86083	0.1838926	0.24620553	2.5211819	21	—	—
87360 2000 QK_{42}	14.7	X	187.97803	199.54626	326.98030	13.90107	0.0441518	0.23948098	2.5681597	21	10 1.4	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87361 2000 QK_{43}	15.5	X	127.82738	122.70105	198.99175	1.44809	0.0766300	0.20450185	2.8532373	21	—	—
87362 2000 QS_{45}	14.2	X	161.96527	213.61138	186.38939	1.88080	0.2650213	0.16878544	3.2427445	21	4 10.3	19.8
87363 2000 QX_{45}	15.6	X	272.37945	165.26713	187.60203	2.25843	0.0945755	0.22692326	2.6620531	21	5 27.7	19.1
87364 2000 QA_{46}	15.5	X	78.60102	100.29417	219.84714	1.26504	0.0854596	0.19788712	2.9164713	21	12 11.3	19.8
87365 2000 QL_{46}	15.8	X	190.77830	127.24624	158.89309	1.27422	0.1650016	0.25674555	2.4517006	21	—	—
87366 2000 QA_{47}	16.6	X	6.51126	242.42020	110.39271	1.77299	0.1790207	0.23892801	2.5721207	21	11 6.8	19.1
87367 2000 QK_{47}	16.3	X	113.42492	210.31834	149.45991	5.09009	0.2630786	0.25291272	2.4764084	21	—	—
87368 2000 QT_{48}	15.6	X	25.70461	92.27519	163.74024	4.61424	0.2364684	0.23240883	2.6199981	21	7 27.8	17.8
87369 2000 QB_{49}	15.9	X	353.25919	190.38711	156.69828	5.07286	0.2423828	0.23636542	2.5906779	21	10 7.7	17.7
87370 2000 QY_{50}	14.8	X	0.47395	2.38076	341.65157	13.45107	0.1912442	0.23698740	2.5861430	21	10 6.7	17.4
87371 2000 QD_{52}	15.9	X	6.54514	238.52183	159.10161	3.23126	0.1497881	0.24367600	2.5385997	21	—	—
87372 2000 QP_{53}	15.5	X	188.30494	322.17262	53.13843	2.32497	0.1859132	0.26482967	2.4015500	21	3 23.4	19.4
87373 2000 QN_{54}	15.2	X	268.83047	243.48242	105.37017	3.16553	0.2966386	0.22539526	2.6740705	21	4 24.9	19.6
87374 2000 QY_{54}	15.2	X	193.95857	282.83313	45.89619	3.23213	0.1818454	0.21379498	2.7699444	21	2 5.9	19.7
87375 2000 QN_{55}	13.9	X	104.09493	347.20941	64.44616	2.43091	0.1828945	0.16318765	3.3164836	21	2 25.1	18.6
87376 2000 QN_{57}	14.8	X	172.80347	301.25911	128.82356	11.74718	0.2154258	0.27019875	2.3696298	21	5 21.2	18.9
87377 2000 QS_{58}	14.8	X	350.65582	264.07600	94.49828	5.94016	0.1438280	0.23763897	2.5814137	21	10 14.2	17.4
87378 2000 QQ_{59}	16.1	X	135.05454	239.64522	118.25880	4.97030	0.1909695	0.25595227	2.4567637	21	1 9.4	19.3
87379 2000 QU_{59}	15.4	X	123.53245	265.03001	4.83948	1.51455	0.0848501	0.19848218	2.9106392	21	11 28.7	19.8
87380 2000 QJ_{60}	14.3	X	163.80641	94.29538	2.57592	15.14576	0.0891715	0.22620028	2.6677224	21	6 6.5	18.6
87381 2000 QE_{62}	15.6	X	16.92279	205.32800	121.53047	8.92079	0.2056742	0.23721890	2.5844603	21	10 27.3	18.4
87382 2000 QF_{62}	15.6	X	39.99822	241.87645	74.06238	6.03641	0.2121458	0.23939598	2.5687676	21	11 15.4	18.7
87383 2000 QU_{62}	15.2	X	220.69909	232.44134	150.32465	15.44349	0.0932115	0.22204471	2.7009037	21	5 11.2	19.6
87384 2000 QT_{63}	15.3	X	359.93699	292.92120	27.68407	6.03652	0.2167737	0.23417023	2.6068433	21	9 9.8	17.4
87385 2000 QV_{63}	15.0	X	289.92220	329.01959	90.62467	5.72076	0.2303607	0.23300634	2.6155170	21	9 2.9	18.1
87386 2000 QG_{65}	15.4	X	81.43338	295.28816	35.53955	8.60593	0.2696526	0.24593915	2.5230021	21	—	—
87387 2000 QW_{65}	14.8	X	205.18616	318.01484	138.73653	12.13635	0.1514324	0.22690505	2.6621955	21	7 20.7	19.1
87388 2000 QL_{66}	14.6	X	314.78190	208.48412	126.27948	15.14555	0.1082685	0.18122467	3.0926053	21	7 1.3	18.7
87389 2000 QT_{66}	15.5	X	296.87782	247.22010	135.01515	7.03106	0.2193439	0.23117941	2.6292786	21	7 20.9	18.6
87390 2000 QN_{67}	14.8	X	247.18513	336.76455	51.19976	12.43875	0.1634889	0.17778545	3.1323617	21	6 4.4	19.8
87391 2000 QY_{67}	15.7	X	319.54903	224.37449	89.77812	3.98198	0.2107422	0.22831626	2.6512142	21	5 24.1	18.7
87392 2000 QB_{69}	14.8	X	269.36708	272.63759	157.73786	14.55676	0.1335662	0.23319646	2.6140953	21	8 31.3	18.2
87393 2000 QA_{71}	15.2	X	167.09913	237.61532	92.83905	10.18402	0.1558391	0.20883700	2.8136134	21	1 14.0	19.7
87394 2000 QF_{72}	16.3	X	72.18360	111.27550	208.16193	1.18618	0.2585070	0.24478686	2.5309136	21	12 29.7	20.4
87395 2000 QP_{72}	15.5	X	164.40831	120.07147	267.11283	1.07995	0.1943274	0.26246089	2.4159780	21	3 15.9	19.4
87396 2000 QT_{72}	15.4	X	53.26328	15.80548	308.24160	3.73329	0.2631722	0.24266136	2.5456711	21	12 17.9	19.1
87397 2000 QB_{73}	15.3	X	101.73073	276.93516	332.91451	8.74234	0.0881097	0.23950956	2.5679554	21	10 13.7	19.0
87398 2000 QD_{73}	14.7	X	227.70419	115.09558	335.25711	12.77705	0.1420443	0.23127207	2.6285763	21	8 8.5	18.6
87399 2000 QR_{73}	15.8	X	287.58588	215.53687	184.96002	3.31669	0.1544526	0.23271027	2.6177350	21	8 11.9	19.1
87400 2000 QW_{73}	15.0	X	1.02739	166.70746	172.26586	4.37070	0.1409050	0.18914151	3.0056943	21	9 24.2	18.2
87401 2000 QS_{74}	15.8	X	15.54735	358.76530	289.63366	1.03647	0.1995822	0.23368787	2.6104293	21	8 20.7	18.2
87402 2000 QE_{75}	14.4	X	338.48371	67.39970	339.47684	13.42424	0.1924818	0.23972040	2.5664495	21	11 25.9	17.1
87403 2000 QH_{76}	15.8	X	341.57192	91.44981	195.97436	3.34010	0.1723719	0.22881333	2.6473732	21	6 1.6	18.4
87404 2000 QK_{76}	15.2	X	359.31987	122.18379	228.86054	1.70013	0.2267225	0.23713233	2.5850892	21	10 25.3	17.2
87405 2000 QP_{77}	15.6	X	27.60439	88.21569	279.23232	1.47825	0.1617423	0.24229750	2.5482191	21	12 27.9	18.7
87406 2000 QC_{83}	15.5	X	164.47810	208.42887	196.01781	1.50072	0.0604331	0.21698132	2.7427601	21	4 2.2	19.5
87407 2000 QJ_{83}	15.0	X	314.13715	196.07092	168.56324	15.18369	0.1136880	0.23167537	2.6255249	21	8 9.1	18.2
87408 2000 QN_{83}	15.3	X	349.65144	211.45859	172.56023	3.17229	0.0832843	0.23863584	2.5742196	21	11 11.5	18.3
87409 2000 QU_{85}	14.9	X	204.20439	169.75248	192.73791	4.81973	0.1425313	0.17199777	3.2022422	21	3 28.6	20.0
87410 2000 QY_{86}	15.7	X	96.57632	321.97741	299.43077	6.66191	0.1205496	0.24088030	2.5582041	21	10 27.1	19.6
87411 2000 QC_{88}	14.4	X	276.71912	134.44936	316.53702	12.37324	0.1424724	0.23806467	2.5783354	21	10 1.3	17.9
87412 2000 QE_{88}	14.6	X	234.05731	212.19530	311.39907	12.73070	0.1103481	0.24440883	2.5335226	21	11 18.4	18.3
87413 2000 QU_{89}	14.8	X	17.07286	57.82818	321.40456	8.23975	0.0527047	0.24317053	2.5421164	21	12 12.3	18.1
87414 2000 QB_{90}	15.5	X	80.00436	2.33902	310.66103	7.40792	0.1418593	0.24414396	2.5353547	21	12 18.5	19.3
87415 2000 QA_{92}	15.9	X	86.07051	9.91749	283.39041	4.25507	0.1236777	0.24210480	2.5495710	21	11 27.7	19.6
87416 2000 QM_{92}	15.7	X	355.83424	157.65436	203.24955	3.36785	0.2163409	0.23705006	2.5856873	21	10 31.9	17.9
87417 2000 QM_{93}	15.4	X	328.46318	23.27950	336.60008	13.81969	0.1122218	0.23518065	2.5993714	21	8 30.4	18.2
87418 2000 QZ_{94}	15.7	X	9.20980	292.89852	339.14206	4.34927	0.0918629	0.22961196	2.6412310	21	7 6.0	18.6
87419 2000 QM_{95}	14.4	X	227.21868	167.89688	199.38332	6.16893	0.1780362	0.17363698	3.1820566	21	4 22.7	19.6
87420 2000 QN_{95}	14.9	X	252.94487	39.51108	352.46958	13.97897	0.0855524	0.22691112	2.6621480	21	6 26.7	18.9
87421 2000 QS_{97}	15.6	X	23.81999	240.25643	116.87426	3.28063	0.2438251	0.24032972	2.5621097	21	12 21.6	18.7
87422 2000 QE_{99}	16.2	X	6.15353	215.27159	111.27934	4.48085	0.2020599	0.23511882	2.5998271	21	10 2.2	18.6
87423 2000 QW_{99}	15.9	X	277.50045	263.40451	102.26087	4.88351	0.2426998	0.22701834	2.6613097	21	5 30.4	19.7
87424 2000 QY_{99}	15.1	X	293.35299	337.76315	61.11075	5.05772	0.1207465	0.23217673	2.6217438	21	8 27.9	18.2
87425 2000 QJ_{100}	15.5	X	23.41112	148.82812	150.63103	8.08740	0.1898941	0.23438145	2.6052769	21	9 23.8	18.2
87426 2000 QH_{101}	15.1	X	307.85706	293.69471	95.00842	5.53649	0.1134918	0.23289051	2.6163842	21	9 7.6	18.1
87427 2000 QE_{102}	15.2	X	341.39732	240.27396	141.55208	10.55237	0.2215162	0.23615204	2.5922382	21	11 3.7	17.5
87428 2000 QY_{102}	14.5	X	151.79054	317.17635	107.42406	8.21865	0.1329577	0.21615695	2.7497291	21	4 23.4	18.8
87429 2000 QM_{103}	15.1	X	359.80091	359.58677	5.52521	0.95246	0.0748780	0.19089402	2.9872702	21	10 22.5	19.0
87430 2000 QG_{104}	15.4	X	263.49165	245.84961	111.22148	5.44345	0.1289768	0.22428294	2.6829046	21	5 18.8	19.2
87431 2000 QE_{105}	14.1	X	60.94954	192.69727	129.63485	11.34843	0.0888022	0.19277631	2.9677930	21	11 25.9	18.4
87432 2000 QG_{105}	14.8	X	0.39661	264.07034	157.91894	16.92545	0.1402641	0.24272666	2.5452146	21	—	—
87433 2000 QM_{105}	15.4	X	332.68303	244.30599	81.52533	5.98164	0.2535747	0.23035031	2.6355839	21	6 30.8	17.6
87434 2000 QX_{105}	14.2	X	245.78115	240.74557	95.69756	8.39376	0.1414517	0.17191267	3.2032988	21	4 9.6	19.3
87435 2000 QH_{106}	15.8	X	12.81685	343.29006	3.59486	5.13303	0.1147257	0.24001212	2.5643695	21	10 29.7	18.7
87436 2000 QO_{106}	15.3	X	110.25002	194.85079	105.19156	3.10476	0.0491384	0.19936701	2.9020207	21	12 18.8	19.5
87437 2000 QC_{107}	15.1	X	139.88480	162.91249	189.84226	6.43599	0.1343178	0.20861218	2.8156344	21	1 9.6	19.3
87438 2000 QH_{107}	16.3	X	87.24294	124.84609	174.66225	3.65474	0.1303986	0.24437237	2.5337746	21	12 8.6	20.1
87439 2000 QZ_{108}	14.7	X	306.79690	202.86817	103.27540	6.59788	0.1350839	0.17918650	3.1160125	21	5 10.7	18.9
87440 2000 QA_{110}	15.2	X	93.44656	340.84371	317.60217	6.38451	0.1631426	0.24539011	2.5267640	21	12 15.9	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87441 2000 QE_{110}	13.9	X	174.78293	186.47083	325.35529	12.38652	0.1189497	0.23452926	2.6041822	21	8 30.2	18.0
87442 2000 QZ_{110}	15.4	X	308.01668	173.55003	205.27822	1.29804	0.1230900	0.18575067	3.0421628	21	8 16.3	19.1
87443 2000 QL_{111}	15.8	X	33.07776	286.92470	352.16790	4.99108	0.2252201	0.23506115	2.6002522	21	9 15.6	18.4
87444 2000 QZ_{111}	15.5	X	315.26604	214.72464	169.00634	15.52992	0.1828678	0.23381589	2.6094764	21	9 1.1	18.2
87445 2000 QM_{113}	15.9	X	41.47605	316.50105	346.11493	4.12207	0.0374615	0.23708131	2.5854601	21	10 1.5	19.3
87446 2000 QO_{113}	15.9	X	286.40943	123.68265	228.53535	0.72452	0.0831096	0.22798853	2.6537543	21	6 16.1	19.1
87447 2000 QR_{116}	15.4	X	6.62008	253.02969	61.46854	4.90239	0.3089290	0.23476194	2.6024612	21	9 30.3	17.2
87448 2000 QA_{118}	14.8	X	295.28129	93.01853	328.77603	14.02936	0.0925899	0.23613366	2.5923728	21	9 27.3	18.1
87449 2000 QF_{119}	14.9	X	187.79522	114.09368	320.35175	7.06559	0.2064385	0.22168112	2.7038561	21	6 5.5	19.5
87450 2000 QB_{120}	15.1	X	183.42283	241.90429	186.84248	14.63405	0.0638851	0.22236488	2.6983105	21	5 26.8	19.3
87451 2000 QD_{120}	15.3	X	16.42878	51.74756	288.19157	3.52163	0.1745798	0.23756118	2.5819772	21	11 3.2	18.0
87452 2000 QD_{121}	15.1	X	210.72180	98.17051	288.89703	5.18172	0.0416374	0.22065989	2.7121922	21	5 1.2	19.0
87453 2000 QE_{121}	14.8	X	285.40721	25.61186	337.09722	15.59830	0.1791729	0.22750306	2.6575283	21	6 13.4	18.8
87454 2000 QG_{121}	15.0	X	140.50217	89.38530	248.51436	3.74285	0.1764023	0.20576978	2.8415043	21	—	—
87455 2000 QK_{122}	14.6	X	129.30632	126.79241	283.35749	5.47827	0.1154516	0.21134489	2.7913109	21	3 4.4	18.7
87456 2000 QM_{122}	15.6	X	62.55060	34.17635	319.71964	6.86484	0.2961177	0.24450718	2.5328432	21	—	—
87457 2000 QR_{123}	16.0	X	331.32602	78.83843	288.40977	1.44939	0.2884913	0.23295913	2.6158704	21	9 1.2	17.7
87458 2000 QK_{124}	14.8	X	235.42759	259.10123	118.23667	13.02462	0.2274346	0.22189614	2.7021092	21	5 10.6	19.5
87459 2000 QL_{125}	15.4	X	20.66800	117.12278	199.98544	9.97064	0.1139802	0.23644688	2.5900829	21	9 30.7	18.4
87460 2000 QR_{126}	15.6	X	331.91410	138.35306	243.03392	3.80154	0.1542311	0.23698017	2.5861956	21	10 4.8	18.0
87461 2000 QD_{127}	15.7	X	245.61330	11.39031	348.34875	13.54040	0.1518454	0.22206671	2.7007253	21	4 23.2	20.1
87462 2000 QS_{127}	14.9	X	261.81791	191.03675	179.85088	13.56211	0.2014135	0.22393042	2.6857195	21	5 26.7	19.2
87463 2000 QT_{128}	15.4	X	332.38560	47.50574	282.56703	2.88408	0.1187677	0.23044047	2.6348964	21	7 23.1	18.3
87464 2000 QV_{129}	15.0	X	2.01880	241.13097	151.11964	4.01824	0.2058656	0.24002153	2.5643024	21	12 28.0	17.6
87465 2000 QU_{130}	15.8	X	6.14687	15.10393	309.89585	4.47494	0.3042940	0.23827903	2.5767889	21	10 10.5	17.8
87466 2000 QX_{130}	14.8	X	179.91470	233.63120	131.26843	17.71908	0.2339394	0.21703693	2.7422915	21	3 12.9	19.7
87467 2000 QC_{131}	15.6	X	213.51550	220.36352	153.79014	6.48444	0.1309467	0.26943405	2.3741112	21	4 15.0	19.3
87468 2000 QF_{131}	15.5	X	177.02201	311.48976	332.01431	5.78437	0.1471717	0.25567765	2.4585226	21	—	—
87469 2000 QT_{131}	15.5	X	30.67585	182.28169	147.40227	5.94567	0.2543168	0.23808540	2.5781858	21	11 27.7	18.7
87470 2000 QM_{133}	14.6	X	288.32662	111.04230	333.46193	21.74949	0.0852017	0.24163944	2.5528434	21	10 13.2	18.2
87471 2000 QL_{134}	15.7	X	38.72394	307.52975	355.46031	3.61925	0.1717074	0.23903249	2.5713711	21	10 18.9	18.8
87472 2000 QU_{135}	15.6	X	325.63587	291.70215	114.32480	6.70336	0.2707581	0.23805513	2.5784043	21	10 30.3	17.3
87473 2000 QK_{137}	15.6	X	328.83496	54.28245	272.56393	7.82005	0.0930229	0.23189610	2.6238585	21	7 13.9	18.7
87474 2000 QF_{139}	15.2	X	237.54516	212.72552	171.17533	4.53919	0.1148151	0.22322499	2.6913748	21	5 25.5	19.3
87475 2000 QM_{139}	15.2	X	220.39140	274.84014	19.94284	4.98108	0.1981947	0.25992686	2.4316549	21	1 12.7	19.3
87476 2000 QH_{140}	15.5	X	259.90062	205.06206	162.56118	4.26600	0.1220599	0.22445172	2.6815594	21	5 28.7	19.3
87477 2000 QN_{140}	15.2	X	80.44794	144.80573	171.55146	8.72798	0.2728228	0.24435880	2.5338684	21	—	—
87478 2000 QM_{141}	14.6	X	329.13290	199.87974	159.97244	11.58798	0.0936686	0.18459039	3.0548976	21	8 27.6	18.3
87479 2000 QB_{143}	14.6	X	319.77131	202.77240	135.86232	2.60529	0.1110303	0.18221022	3.0814436	21	7 13.4	18.5
87480 2000 QZ_{143}	16.2	X	49.49090	299.41114	19.05757	4.22699	0.2556733	0.24095556	2.5576714	21	12 5.2	19.8
87481 2000 QC_{144}	15.1	X	234.94199	40.11268	24.71075	3.62265	0.1404590	0.22762990	2.6565409	21	7 12.2	19.1
87482 2000 QJ_{146}	15.5	X	202.66770	262.73270	151.02635	9.66692	0.2433301	0.22061943	2.7125237	21	5 25.6	20.4
87483 2000 QN_{149}	14.1	X	163.97055	42.09931	5.40210	9.12460	0.1620044	0.21387065	2.7692910	21	4 10.9	18.6
87484 2000 QD_{150}	15.5	X	359.00333	130.72644	192.70731	10.22721	0.1484910	0.23322683	2.6138683	21	9 1.3	18.3
87485 2000 QT_{150}	14.2	X	162.03506	79.94612	343.81729	13.21070	0.1441372	0.21548586	2.7554352	21	4 23.7	18.8
87486 2000 QQ_{153}	15.2	X	80.17096	284.72128	318.01986	12.13278	0.1373734	0.23724894	2.5842421	21	9 14.0	18.9
87487 2000 QY_{153}	15.1	X	349.80453	91.74542	193.57343	10.95186	0.1793233	0.23256589	2.6188183	21	6 15.1	17.8
87488 2000 QG_{154}	14.6	X	62.79933	242.23177	292.33871	13.77390	0.1305746	0.22518171	2.6757609	21	5 19.2	18.0
87489 2000 QJ_{156}	14.7	X	130.23057	122.14881	232.76515	8.03401	0.1688634	0.20914099	2.8108863	21	1 5.6	18.9
87490 2000 QN_{156}	15.0	X	275.38108	118.92446	170.61414	14.40633	0.1387139	0.22225779	2.6991772	21	3 4.1	19.0
87491 2000 QE_{157}	15.2	X	167.60697	169.93755	292.45871	10.46945	0.1290857	0.22591101	2.6699991	21	6 22.4	19.4
87492 2000 QP_{158}	14.8	X	240.97127	347.93554	239.03282	7.11926	0.1660907	0.21103869	2.7940103	21	—	—
87493 2000 QM_{159}	15.2	X	14.92822	324.28153	293.17367	8.69381	0.0684990	0.22884073	2.6471619	21	6 23.3	18.4
87494 2000 QC_{161}	14.6	X	358.64121	152.80300	199.08736	10.22149	0.1155727	0.19173114	2.9785687	21	10 5.5	18.0
87495 2000 QH_{162}	15.2	X	287.17927	54.85378	183.73112	12.88985	0.1342009	0.21713018	2.7415063	21	1 13.5	19.5
87496 2000 QJ_{162}	15.0	X	324.40163	139.76884	261.43855	7.16355	0.0302876	0.24081047	2.5586986	21	10 23.2	18.2
87497 2000 QX_{165}	15.2	X	13.91309	298.23559	307.40448	10.63943	0.0703176	0.22659173	2.6646490	21	6 3.5	18.6
87498 2000 QX_{166}	15.2	X	32.04465	330.28999	328.57975	15.10745	0.1297047	0.23600392	2.5933227	21	9 20.4	18.4
87499 2000 QE_{167}	15.2	X	45.93185	16.62066	330.87807	14.43165	0.0948668	0.24305656	2.5429109	21	12 16.4	18.8
87500 2000 QS_{167}	15.7	X	34.95421	335.81222	305.22122	6.39116	0.1784854	0.23489166	2.6015029	21	9 10.7	18.7
87501 2000 QD_{169}	15.2	X	244.86414	204.42651	247.80089	2.31865	0.0816181	0.23377836	2.6097557	21	9 4.0	18.7
87502 2000 QC_{173}	14.7	X	321.83764	97.73984	265.59111	7.64351	0.0736080	0.18728846	3.0254876	21	8 19.6	18.7
87503 2000 QH_{173}	15.3	X	137.37582	271.03839	308.51490	9.46791	0.1242723	0.24157782	2.5532775	21	10 14.9	19.4
87504 2000 QB_{174}	15.5	X	234.07948	167.57315	225.93452	4.45116	0.1171967	0.22638289	2.6662875	21	6 2.1	19.5
87505 2000 QD_{174}	15.8	X	97.60488	298.77040	319.58862	11.53064	0.1322089	0.24138958	2.5546047	21	10 22.8	19.9
87506 2000 QG_{174}	14.9	X	349.52817	162.58883	224.47834	3.21297	0.1301375	0.19313987	2.9640675	21	11 7.6	18.3
87507 2000 QY_{175}	15.6	X	199.33564	254.17673	182.03637	5.65385	0.1753113	0.27285142	2.3542463	21	6 18.2	19.4
87508 2000 QE_{176}	15.2	X	165.70839	142.83633	263.80070	4.03673	0.0410566	0.21920637	2.7241683	21	4 2.8	19.1
87509 2000 QT_{181}	15.0	X	331.98853	329.78212	39.96916	14.14743	0.1593379	0.22832431	2.6511519	21	9 25.1	17.8
87510 2000 QJ_{183}	15.1	X	328.97986	180.81304	205.03097	0.31631	0.1783254	0.19035928	2.9928620	21	9 27.3	18.2
87511 2000 QA_{184}	16.1	X	231.06292	265.32807	127.96570	5.13079	0.1927225	0.27312584	2.3526691	21	5 23.2	19.8
87512 2000 QZ_{184}	15.7	X	56.08952	140.16628	126.96472	4.36857	0.2187537	0.23789350	2.5795721	21	10 5.2	19.0
87513 2000 QD_{188}	15.2	X	327.59576	321.86000	85.25836	6.20494	0.2072714	0.23850471	2.5751631	21	11 7.1	17.3
87514 2000 QB_{190}	14.9	X	281.56599	30.84889	0.09015	11.98790	0.1971151	0.23088138	2.6315408	21	7 18.0	18.5
87515 2000 QG_{190}	16.0	X	69.71147	204.42943	119.64333	7.66063	0.2392957	0.24465796	2.5318025	21	12 31.3	20.1
87516 2000 QU_{190}	15.1	X	4.63286	129.09917	137.84432	18.31944	0.2829183	0.23116230	2.6294084	21	6 23.4	17.2
87517 2000 QB_{191}	15.5	X	184.96740	215.38588	106.81231	7.20616	0.1223975	0.25888523	2.4381731	21	1 10.1	19.0
87518 2000 QM_{191}	14.9	X	346.95995	254.16864	124.94891	10.33925	0.0672119	0.19174714	2.9784030	21	10 26.3	18.9
87519 2000 QO_{191}	15.7	X	185.88239	197.89398	119.60568	8.53826	0.1245564	0.25846111	2.4408396	21	1 5.3	19.4
87520 2000 QL_{192}	14.6	X	97.13023	20.92822	66.72061	7.65243	0.1130652	0.26163354	2.4210687	21	3 10.9	17.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87521 2000 QM_{192}	14.6	X	85.59502	42.62800	46.40357	8.85347	0.0937038	0.26054515	2.4278064	21	2 20.8	17.5
87522 2000 QK_{193}	14.4	X	321.06375	180.68496	144.01664	15.09974	0.0968584	0.22982197	2.6396217	21	6 28.6	17.8
87523 2000 QS_{193}	16.2	X	219.20356	184.14268	97.97862	1.85001	0.1985800	0.26063217	2.4272660	21	—	—
87524 2000 QQ_{197}	15.5	X	103.75865	104.76287	153.88010	13.41991	0.1298028	0.24163731	2.5528584	21	11 8.2	19.6
87525 2000 QV_{197}	15.4	X	356.46127	192.51747	116.18356	2.99063	0.0651921	0.23254399	2.6189828	21	8 5.9	18.3
87526 2000 QK_{198}	15.4	X	43.28585	258.72254	51.51753	2.46053	0.1368745	0.19239610	2.9717017	21	10 23.8	19.1
87527 2000 QO_{198}	15.4	X	27.40985	249.77747	20.47292	5.53655	0.3007800	0.23464640	2.6033154	21	9 7.5	17.7
87528 2000 QP_{198}	15.1	X	40.75394	337.62863	351.86710	11.93657	0.1891055	0.24115129	2.5562873	21	11 26.8	18.6
87529 2000 QZ_{199}	15.5	X	347.64604	317.50612	25.81936	3.89193	0.1500190	0.23521025	2.5991533	21	9 12.8	18.1
87530 2000 QG_{200}	15.5	X	279.70024	257.94376	115.57751	4.05875	0.1205301	0.22944889	2.6424822	21	6 30.1	18.9
87531 2000 QJ_{200}	15.6	X	61.76221	319.26465	341.91335	14.68771	0.1369561	0.24080449	2.5587410	21	11 5.6	19.4
87532 2000 QX_{201}	14.5	X	237.06545	272.65957	141.60331	6.06073	0.1749471	0.17989647	3.1078087	21	6 27.0	19.4
87533 2000 QG_{203}	16.4	X	51.09101	329.60950	30.57281	2.88497	0.2680159	0.24442240	2.5334289	21	—	—
87534 2000 QR_{203}	15.1	X	58.34405	233.46575	1.32063	12.42426	0.1190542	0.23123861	2.6288299	21	8 11.3	18.5
87535 2000 QY_{203}	15.0	X	97.25487	224.15706	108.33042	4.58801	0.1736955	0.20076114	2.8885704	21	—	—
87536 2000 QZ_{203}	15.4	X	235.57611	332.08290	76.37482	3.73620	0.1734373	0.22635253	2.6665260	21	6 17.8	19.4
87537 2000 QX_{205}	15.9	X	353.77407	175.70709	172.21721	4.69312	0.2410663	0.23553012	2.5967995	21	10 9.3	17.8
87538 2000 QA_{206}	14.3	X	138.09468	258.33779	181.06694	20.76836	0.0423495	0.17040699	3.2221402	21	4 20.7	19.1
87539 2000 QY_{206}	15.6	X	335.08795	175.23328	160.88046	4.20223	0.2321356	0.23196680	2.6233254	21	7 26.4	17.6
87540 2000 QB_{207}	15.6	X	346.23031	180.52789	150.31507	1.35410	0.1080595	0.23204751	2.6227171	21	8 20.0	18.4
87541 2000 QG_{208}	15.8	X	54.83546	105.74029	163.81168	4.47782	0.2606385	0.23594838	2.5937297	21	10 11.9	19.3
87542 2000 QA_{214}	14.9	X	325.85310	310.72124	22.81495	4.33799	0.1691760	0.18371293	3.0646172	21	7 10.6	18.5
87543 2000 QA_{215}	15.6	X	308.42708	273.71582	98.47218	3.59675	0.1546591	0.23180423	2.6245517	21	8 7.4	18.4
87544 2000 QL_{217}	13.7	X	278.87485	80.98485	254.58709	20.18828	0.2845507	0.17237010	3.1976292	21	4 17.2	18.9
87545 2000 QB_{218}	14.0	X	7.21327	176.20088	256.92681	9.03018	0.0965795	0.19131528	2.9828834	21	—	—
87546 2000 QE_{218}	14.5	X	19.06411	332.81134	49.22502	11.21674	0.1078735	0.18738801	3.0244159	21	12 12.6	18.4
87547 2000 QZ_{219}	16.3	X	54.77603	129.78813	159.46467	4.27121	0.1198368	0.23975982	2.5661682	21	10 17.3	19.5
87548 2000 QC_{222}	15.4	X	33.44167	341.66140	24.74528	8.65738	0.2422617	0.24338087	2.5406515	21	—	—
87549 2000 QW_{222}	15.2	X	333.53559	248.93230	119.23393	15.85335	0.1830901	0.23573111	2.5953232	21	9 26.3	17.9
87550 2000 QU_{224}	14.1	X	40.04325	274.25483	55.27017	11.38535	0.1178356	0.19174547	2.9784203	21	11 10.2	18.1
87551 2000 QC_{227}	14.9	X	45.95557	217.25293	289.14381	8.38515	0.1396495	0.26606785	2.3940936	21	2 28.4	17.2
87552 2000 QV_{227}	16.0	X	302.90324	143.63787	207.48408	1.24101	0.1226777	0.22871358	2.6481429	21	7 2.5	19.2
87553 2000 QO_{229}	15.0	X	268.13448	232.91705	159.74464	15.12692	0.1265699	0.22724666	2.6595268	21	7 9.2	18.9
87554 2000 QM_{231}	15.4	X	295.91272	121.59051	251.95998	3.96715	0.1018770	0.23303764	2.6152828	21	7 25.9	18.5
87555 2000 QB_{243}	8.2	X	50.26815	285.19798	329.97818	6.75813	0.5638714	0.00472381	35.1782866	21	10 4.4	23.3
87556 2000 RL_{1}	15.4	X	29.00864	112.73453	182.66961	16.27199	0.2385861	0.23479021	2.6022522	21	10 5.2	18.0
87557 2000 RX_{1}	14.8	X	73.41343	76.95202	3.09194	5.78478	0.1295260	0.25480563	2.4641286	21	1 22.1	17.4
87558 2000 RL_{3}	14.0	X	86.04443	278.38780	2.32166	14.75391	0.0563167	0.23744100	2.5828483	21	10 29.6	17.8
87559 2000 RC_{4}	15.0	X	4.76574	228.86952	164.22237	9.18865	0.2122760	0.23915948	2.5704608	21	—	—
87560 2000 RE_{4}	15.5	X	23.12798	241.90036	156.26069	3.57861	0.1875715	0.24204957	2.5499588	21	—	—
87561 2000 RM_{4}	15.0	X	341.40040	327.50383	57.43611	6.76203	0.3003657	0.23451862	2.6042609	21	11 9.8	16.4
87562 2000 RZ_{5}	15.3	X	218.06026	167.25302	187.74476	2.04089	0.2101863	0.21629250	2.7485802	21	3 26.7	20.1
87563 2000 RP_{6}	15.0	X	242.82382	22.52834	24.18971	2.72916	0.2541244	0.22390271	2.6859411	21	6 15.4	19.3
87564 2000 RQ_{9}	15.0	X	214.61618	323.36414	55.83691	12.20324	0.2986979	0.21610892	2.7501365	21	4 22.5	20.1
87565 2000 RE_{10}	15.3	X	180.30576	327.80714	76.72419	6.77330	0.3687030	0.21339978	2.7733631	21	4 29.7	20.6
87566 2000 RO_{10}	15.3	X	3.34340	286.74767	75.81030	5.31234	0.3458353	0.23438125	2.6052784	21	12 10.7	17.6
87567 2000 RC_{11}	15.3	X	28.43307	248.07665	136.16938	3.38262	0.2559461	0.23817861	2.5775131	21	—	—
87568 2000 RW_{11}	15.0	X	342.18045	172.41989	216.45178	3.83338	0.2322038	0.23270887	2.6177455	21	11 11.9	17.1
87569 2000 RS_{12}	15.3	X	338.17982	331.87906	312.75278	13.33485	0.0711590	0.22681980	2.6628625	21	5 30.7	18.8
87570 2000 RB_{13}	15.8	X	319.24818	175.48801	192.90432	14.29766	0.1733911	0.23373826	2.6100541	21	8 14.8	18.7
87571 2000 RS_{13}	15.4	X	279.10472	77.02413	213.78894	9.57337	0.1643125	0.22100716	2.7093502	21	3 4.3	19.6
87572 2000 RF_{14}	15.0	X	195.33981	222.40531	302.17604	12.55390	0.1077524	0.23871386	2.5736587	21	10 2.3	19.2
87573 2000 RH_{14}	14.5	X	45.19197	113.05341	214.06587	10.22344	0.1119690	0.19360002	2.9593690	21	11 13.3	18.4
87574 2000 RK_{14}	15.3	X	199.40676	35.45572	262.62248	6.94855	0.2015288	0.21129569	2.7917442	21	1 5.3	20.1
87575 2000 RN_{14}	14.5	X	50.51584	15.27701	268.15292	9.26203	0.0546475	0.18838927	3.0136902	21	9 11.4	18.8
87576 2000 RY_{14}	14.2	X	96.04630	292.87971	256.80598	8.59310	0.0197338	0.18129214	3.0918381	21	7 10.4	18.6
87577 2000 RH_{15}	14.8	X	250.74008	205.63397	286.07428	8.12752	0.1339281	0.24027685	2.5624855	21	10 24.7	18.3
87578 2000 RU_{15}	14.6	X	321.61739	37.74386	299.33650	10.06982	0.1383389	0.18342392	3.0678355	21	7 11.7	18.3
87579 2000 RX_{15}	15.0	X	354.55122	305.43260	299.94186	10.59246	0.1513975	0.22469902	2.6795916	21	4 21.7	18.1
87580 2000 RE_{16}	14.8	X	223.81539	157.59550	316.96021	13.81258	0.0378015	0.23456970	2.6038829	21	9 9.0	18.5
87581 2000 RX_{18}	15.1	X	338.62396	352.88952	314.44879	11.17348	0.2305843	0.23030627	2.6359199	21	6 19.2	17.6
87582 2000 RP_{19}	15.8	X	353.03280	150.31354	218.19322	8.16750	0.2013192	0.23721385	2.5844970	21	11 4.4	17.9
87583 2000 RD_{20}	14.9	X	9.93169	106.52463	206.08858	8.74389	0.1210358	0.18644038	3.0346555	21	8 29.7	18.7
87584 2000 RE_{21}	15.3	X	351.16449	181.30837	193.85393	13.46818	0.1741633	0.23746169	2.5826983	21	11 9.6	17.8
87585 2000 RV_{21}	15.2	X	284.94183	65.40626	256.02506	5.02701	0.2919596	0.22448831	2.6812681	21	4 2.9	19.5
87586 2000 RJ_{22}	15.4	X	10.04417	161.16083	208.49552	8.29299	0.1762249	0.23924359	2.5698583	21	12 6.3	18.2
87587 2000 RL_{22}	15.2	X	254.83634	196.94399	196.61181	14.08907	0.1028268	0.22682341	2.6628343	21	6 26.5	19.2
87588 2000 RY_{22}	15.5	X	321.70139	157.14486	233.56425	2.82917	0.2638071	0.23390153	2.6088394	21	9 15.9	17.4
87589 2000 RN_{23}	15.4	X	65.24009	64.23426	224.27586	5.10957	0.2216644	0.23894655	2.5719876	21	11 10.9	19.2
87590 2000 RO_{24}	14.9	X	226.94288	140.65938	249.96914	7.10101	0.1117212	0.17639935	3.1487492	21	5 23.9	19.8
87591 2000 RX_{26}	14.9	X	320.66713	83.46143	317.97339	13.12032	0.0960042	0.23636440	2.5906853	21	10 9.1	18.2
87592 2000 RD_{28}	14.5	X	37.96433	52.10627	245.12516	9.28145	0.0956873	0.18800762	3.0177673	21	9 18.2	18.6
87593 2000 RE_{28}	15.7	X	62.82726	52.80982	286.90448	2.56926	0.2566409	0.24353500	2.5395794	21	—	—
87594 2000 RL_{29}	15.1	X	109.61590	46.53842	250.32537	7.70834	0.1732630	0.19809340	2.9144462	21	12 22.0	19.8
87595 2000 RM_{30}	13.8	X	241.25797	211.32520	325.97982	13.62588	0.1205413	0.24400999	2.5362826	21	12 17.4	17.4
87596 2000 RG_{31}	14.4	X	359.71232	86.55157	224.79782	9.67707	0.0872578	0.18341410	3.0679450	21	8 8.1	18.4
87597 2000 RU_{32}	14.8	X	187.92988	84.26021	301.04149	4.52458	0.0810503	0.21647580	2.7470284	21	4 2.8	19.0
87598 2000 RY_{32}	15.3	X	238.35428	112.67792	240.00046	3.82230	0.1732579	0.21990576	2.7183892	21	4 10.5	19.7
87599 2000 RM_{33}	14.0	X	274.29666	293.83212	352.58233	17.58772	0.2054454	0.21748809	2.7384978	21	2 25.1	18.3
87600 2000 RF_{34}	15.1	X	74.12022	218.68184	272.94356	7.29147	0.0401167	0.21614119	2.7498628	21	3 25.0	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87601 2000 RP_{37}	14.5	X	340.53745	10.28901	344.11503	12.02037	0.2488807	0.23050624	2.6343952	21	9 9.9	16.3
87602 2000 RS_{38}	14.6	X	12.90794	74.93659	319.96826	10.80338	0.3170732	0.23812174	2.5779235	21	—	—
87603 2000 RD_{40}	14.9	X	261.35407	160.49939	254.90570	8.10834	0.1443890	0.22909096	2.6452339	21	7 26.9	18.6
87604 2000 RF_{40}	15.6	X	297.36782	26.39240	291.63418	8.17094	0.1447155	0.22430236	2.6827497	21	5 2.9	19.3
87605 2000 RW_{41}	14.4	X	357.77889	34.93039	268.44984	8.89974	0.1048915	0.18198658	3.0839676	21	7 27.1	18.2
87606 2000 RZ_{43}	15.6	X	279.52874	60.63696	340.52275	12.14079	0.2330019	0.22833690	2.6510545	21	7 23.5	19.3
87607 2000 RA_{44}	14.7	X	47.23342	60.77895	298.93198	6.63540	0.1818586	0.24185087	2.5513553	21	—	—
87608 2000 RC_{44}	14.9	X	31.69202	22.00651	301.39461	7.85386	0.2114781	0.23664186	2.5886599	21	11 9.3	18.2
87609 2000 RL_{44}	15.6	X	66.95403	352.45734	318.46612	6.66535	0.1299478	0.28628460	2.2800134	21	12 6.9	18.7
87610 2000 RO_{44}	14.3	X	110.77130	350.88587	333.83972	12.82730	0.1533899	0.24615477	2.5215285	21	—	—
87611 2000 RP_{44}	14.4	X	293.25363	10.34524	330.27429	14.64353	0.1023226	0.22535110	2.6744199	21	6 5.1	18.2
87612 2000 RN_{45}	15.0	X	23.49016	133.27135	279.88041	4.52297	0.2619715	0.24273174	2.5451790	21	—	—
87613 2000 RQ_{45}	14.8	X	32.17907	300.29415	11.53058	28.93890	0.1551051	0.23415762	2.6069369	21	10 13.3	17.9
87614 2000 RX_{45}	14.9	X	331.38759	34.14159	359.26458	15.14757	0.1022944	0.23421781	2.6064902	21	10 18.2	17.9
87615 2000 RB_{47}	15.1	X	326.36186	56.29320	353.68249	13.46063	0.0990292	0.23593998	2.5937913	21	11 1.6	18.3
87616 2000 RR_{47}	14.9	X	46.13708	340.22782	352.55339	15.88627	0.1989138	0.23892847	2.5721174	21	12 9.8	18.8
87617 2000 RB_{48}	14.0	X	242.59502	32.86097	303.07951	8.62251	0.1384644	0.21634475	2.7481376	21	3 24.4	18.5
87618 2000 RH_{48}	14.5	X	351.64928	21.77792	356.48234	15.82242	0.1598099	0.23489065	2.6015104	21	11 3.7	17.4
87619 2000 RM_{48}	14.4	X	260.78709	96.88066	340.35241	12.37333	0.2522466	0.22692522	2.6620377	21	8 14.2	18.2
87620 2000 RO_{48}	14.7	X	230.17363	113.32249	268.12151	8.27049	0.1727647	0.21912890	2.7248103	21	5 8.1	19.1
87621 2000 RW_{48}	15.3	X	283.38659	323.63345	345.32575	15.27503	0.1842804	0.21964693	2.7205244	21	3 27.9	19.3
87622 2000 RE_{49}	14.8	X	341.18271	134.14617	248.24155	15.40925	0.2528328	0.18944717	3.0024605	21	10 12.2	17.9
87623 2000 RH_{49}	14.4	X	2.11028	205.13844	350.87132	17.36486	0.1202731	0.21698876	2.7426973	21	3 7.2	17.3
87624 2000 RR_{51}	15.2	X	28.48617	318.31061	24.00481	9.67949	0.2233180	0.23694726	2.5864351	21	12 2.7	18.4
87625 2000 RS_{51}	14.6	X	331.91824	39.67877	6.64528	15.35297	0.1281593	0.23409957	2.6073678	21	11 5.8	17.6
87626 2000 RB_{52}	14.8	X	182.38899	160.38945	262.87142	12.50647	0.1462389	0.21601349	2.7509464	21	5 17.4	19.2
87627 2000 RH_{52}	14.3	X	254.93544	148.03745	205.41417	14.92095	0.2419893	0.17606608	3.1527213	21	4 25.7	19.5
87628 2000 RP_{54}	14.2	X	307.13449	46.86367	346.03712	14.25740	0.1127444	0.23028785	2.6360604	21	9 9.1	17.2
87629 2000 RX_{54}	14.9	X	212.62536	326.41961	2.76049	21.40677	0.2174709	0.21165976	2.7885419	21	2 27.6	19.9
87630 2000 RE_{55}	14.8	X	304.40878	119.31093	270.29247	11.88341	0.2017859	0.22919634	2.6444230	21	8 11.8	18.0
87631 2000 RB_{61}	14.3	X	245.59641	16.84735	61.74512	3.85247	0.1192117	0.17569864	3.1571153	21	8 12.6	19.0
87632 2000 RF_{64}	15.4	X	223.58170	101.55906	167.19236	12.32457	0.0995864	0.21244852	2.7816357	21	—	—
87633 2000 RM_{64}	14.7	X	76.14223	348.14863	261.64082	9.67740	0.1259160	0.23630392	2.5911274	21	9 16.2	18.4
87634 2000 RR_{64}	15.1	X	346.09523	19.08146	231.46814	10.62847	0.3153198	0.22723869	2.6595890	21	3 19.1	17.7
87635 2000 RW_{66}	15.3	X	209.28840	191.50918	194.82273	9.22223	0.1671476	0.21865486	2.7287471	21	4 28.1	19.7
87636 2000 RX_{66}	14.0	X	153.06536	95.35926	6.20197	12.94378	0.1711123	0.21894189	2.7263617	21	6 6.4	18.6
87637 2000 RD_{67}	15.4	X	11.38505	159.12409	186.64598	3.74585	0.2859174	0.23623160	2.5916562	21	11 22.7	17.8
87638 2000 RG_{67}	15.0	X	209.62213	353.55056	25.03089	17.75377	0.1633653	0.21690689	2.7433875	21	4 17.4	19.3
87639 2000 RZ_{67}	14.8	X	166.43351	322.62581	333.03480	14.08560	0.2462734	0.25683400	2.4511377	21	—	—
87640 2000 RU_{70}	15.5	X	47.87047	181.25985	151.46906	5.68863	0.1654963	0.24028554	2.5624238	21	12 10.2	19.0
87641 2000 RC_{73}	15.5	X	98.21673	217.72296	180.45524	16.58712	0.0506728	0.25398090	2.4694601	21	—	—
87642 2000 RF_{73}	15.3	X	103.89090	97.72119	345.34691	0.90516	0.1590484	0.25896548	2.4376693	21	3 17.4	18.0
87643 2000 RD_{76}	14.5	X	183.57505	66.10192	302.71864	7.99031	0.1731697	0.21057829	2.7980812	21	3 11.6	19.2
87644 2000 RJ_{77}	15.3	X	316.60487	294.52781	38.56703	12.17872	0.2139873	0.22802604	2.6534633	21	6 12.8	18.4
87645 2000 RK_{77}	15.3	X	37.79480	248.31415	118.55568	5.18159	0.1916549	0.24143915	2.5542550	21	—	—
87646 2000 RB_{78}	14.4	X	313.15559	75.70807	268.27072	9.25351	0.1128543	0.18193999	3.0844941	21	7 9.3	18.3
87647 2000 RR_{79}	14.8	X	355.32958	87.39285	303.22810	22.09018	0.0422550	0.24238116	2.5476327	21	11 22.5	18.5
87648 2000 RB_{80}	14.6	X	253.61399	61.50283	235.24283	8.55075	0.2022370	0.21810311	2.7333472	21	2 11.9	19.3
87649 2000 RE_{80}	14.4	X	11.45192	61.56576	297.94152	10.85889	0.0966309	0.23937495	2.5689180	21	11 9.4	17.7
87650 2000 RB_{82}	14.4	X	238.40467	184.43245	240.61930	11.11703	0.0610275	0.18197772	3.0840677	21	7 20.8	19.1
87651 2000 RT_{82}	13.9	X	261.82972	215.37896	289.21674	12.05872	0.1068394	0.24284303	2.5444013	21	12 3.7	17.1
87652 2000 RK_{86}	14.8	X	96.44035	293.87714	174.04533	3.25242	0.0232964	0.21509511	2.7587712	21	3 26.3	18.6
87653 2000 RQ_{86}	14.9	X	254.51252	180.13309	247.79733	3.76645	0.1176284	0.22971941	2.6404072	21	8 8.9	18.6
87654 2000 RE_{88}	15.0	X	332.58968	115.80266	212.14548	8.94973	0.1009421	0.18567519	3.0429872	21	7 18.5	18.9
87655 2000 RW_{88}	15.1	X	191.56980	129.91113	311.17041	14.01397	0.0441232	0.22598805	2.6693923	21	6 21.1	19.1
87656 2000 RO_{90}	14.5	X	341.03900	54.74820	243.13835	8.65081	0.0383346	0.17886456	3.1197504	21	6 27.1	18.7
87657 2000 RC_{93}	15.6	X	254.36155	157.76564	169.63804	5.11667	0.1619486	0.21884765	2.7271443	21	3 28.5	19.7
87658 2000 RE_{93}	14.1	X	226.27916	188.17197	286.54479	10.18948	0.1087996	0.18070804	3.0984969	21	8 31.4	19.0
87659 2000 RD_{94}	15.0	X	245.97853	159.23962	222.68827	5.39994	0.2079588	0.17597454	3.1538145	21	5 24.5	20.1
87660 2000 RS_{94}	15.4	X	358.30579	108.75101	170.26171	4.83505	0.2687448	0.22879356	2.6475257	21	6 22.2	17.2
87661 2000 RU_{95}	15.2	X	251.78143	308.05193	54.13272	6.97652	0.0621313	0.22212710	2.7002358	21	5 18.3	18.8
87662 2000 RO_{96}	14.8	X	127.48999	341.93561	311.15527	13.87729	0.1711947	0.24728891	2.5138129	21	—	—
87663 2000 RG_{97}	14.8	X	350.97051	137.85056	219.02990	14.83278	0.2169390	0.23652437	2.5895171	21	10 11.3	17.1
87664 2000 RN_{97}	14.5	X	62.02585	284.85586	299.91199	27.13246	0.1569736	0.23039438	2.6352479	21	7 31.4	17.9
87665 2000 RV_{97}	14.5	X	42.99556	42.91749	257.42655	13.19189	0.1969633	0.23692730	2.5865804	21	10 22.4	18.0
87666 2000 RN_{98}	15.5	X	63.09728	18.43396	285.28119	12.54840	0.2122496	0.24066403	2.5597365	21	11 25.4	19.3
87667 2000 RP_{98}	14.8	X	210.81452	199.74923	251.11500	13.77516	0.0728600	0.22834646	2.6509804	21	7 20.7	18.9
87668 2000 RT_{98}	14.7	X	304.96813	99.04919	260.45309	11.71812	0.1840202	0.22990801	2.6389631	21	7 6.6	17.7
87669 2000 RE_{99}	15.1	X	308.02694	129.12732	238.51606	11.42765	0.1803279	0.23114093	2.6295704	21	7 22.1	18.3
87670 2000 RH_{99}	15.2	X	55.38812	30.64096	241.65490	10.90958	0.1604394	0.23537244	2.5979591	21	9 25.1	18.7
87671 2000 RY_{99}	14.8	X	333.10091	152.36642	259.66731	13.18120	0.1603689	0.23899048	2.5716725	21	11 23.8	17.2
87672 2000 RN_{100}	14.4	X	351.13067	23.24059	300.65567	16.09302	0.1948916	0.18440133	3.0569853	21	8 11.0	17.6
87673 2000 RZ_{100}	15.1	X	328.10476	15.95810	303.58163	13.61833	0.1055752	0.22750628	2.6575032	21	7 2.9	18.3
87674 2000 RF_{101}	15.0	X	272.44343	103.42340	250.37996	13.50078	0.1201376	0.22443192	2.6817171	21	5 24.8	18.8
87675 2000 RH_{101}	14.7	X	287.15523	47.48735	300.47518	13.76782	0.1386171	0.22568575	2.6717755	21	6 1.6	18.5
87676 2000 RR_{101}	14.7	X	260.93486	45.61045	289.03735	10.72972	0.1856549	0.22109362	2.7086439	21	4 4.1	19.2
87677 2000 RT_{102}	15.1	X	326.85200	35.49011	290.98626	8.96084	0.2222557	0.22929062	2.6436981	21	6 23.8	17.8
87678 2000 RU_{103}	14.9	X	36.14199	64.53079	225.98250	13.04580	0.1835955	0.23377366	2.6097906	21	9 25.7	18.1
87679 2000 RY_{104}	14.7	X	345.28309	109.13397	302.75161	11.43833	0.1895869	0.23835137	2.5762674	21	12 22.1	17.2
87680 2000 RJ_{105}	14.8	X	28.47132	13.93133	322.03038	12.01012	0.1863489	0.23667200	2.5884402	21	11 16.1	18.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87681 2000 RL_{105}	15.3	X	330.30300	16.06886	283.00293	13.31143	0.2406946	0.22665320	2.6641672	21	5 13.6	18.4
87682 2000 SX_{1}	15.6	X	95.96869	122.21525	151.74810	34.96440	0.1683917	0.24285315	2.5443307	21	11 26.7	20.4
87683 2000 SR_{2}	15.2	X	351.40521	315.25983	107.70337	6.64014	0.2346754	0.24183722	2.5514513	21	—	—
87684 2000 SY_{2}	16.1	X	136.50208	47.77545	162.03189	19.22668	0.6427150	1.23880514	0.8586194	21	—	—
87685 2000 SR_{3}	14.4	X	216.08628	314.63075	78.81126	12.01254	0.0735135	0.17576773	3.1562880	21	5 20.3	19.2
87686 2000 SW_{6}	15.4	X	54.53209	331.66243	298.83602	13.84190	0.1670793	0.23499574	2.6007347	21	9 18.9	19.0
87687 2000 SL_{12}	15.5	X	230.66636	352.54206	9.86403	7.35037	0.1357509	0.27044039	2.3682180	21	4 13.5	19.1
87688 2000 SP_{12}	15.9	X	128.30684	270.67877	77.57620	4.22313	0.3029849	0.25404983	2.4690134	21	1 5.3	19.4
87689 2000 SB_{13}	15.1	X	9.27616	61.31537	322.93165	3.53392	0.1633784	0.24188917	2.5510860	21	12 23.4	17.8
87690 2000 SG_{13}	14.8	X	57.04489	152.09520	314.70346	6.58991	0.2296400	0.25835093	2.4415336	21	2 5.2	16.2
87691 2000 SH_{13}	15.6	X	324.43113	4.95567	359.01607	9.41238	0.0981407	0.23452425	2.6042192	21	9 1.6	18.6
87692 2000 SS_{13}	15.1	X	347.21350	162.28233	156.16978	11.40067	0.0871638	0.18344248	3.0676286	21	7 31.3	19.0
87693 2000 SV_{13}	15.8	X	269.26607	279.45241	70.71168	6.05535	0.1114828	0.22408062	2.6845192	21	5 18.0	19.4
87694 2000 SX_{13}	14.5	X	259.28246	142.94851	253.98558	11.41530	0.1410918	0.22910113	2.6451556	21	7 1.4	18.3
87695 2000 SM_{14}	14.0	X	344.21480	339.16171	290.09872	14.34360	0.1027088	0.17937894	3.1137835	21	5 18.9	18.1
87696 2000 SQ_{14}	14.9	X	204.09733	184.87746	256.17487	10.97142	0.1605157	0.22630962	2.6668630	21	6 29.0	19.2
87697 2000 SA_{15}	14.0	X	164.62248	142.98616	307.15992	12.15214	0.1899166	0.22078561	2.7111624	21	6 5.0	18.6
87698 2000 SK_{15}	14.9	X	291.15838	150.97672	217.73051	12.95477	0.1084346	0.22898152	2.6460767	21	7 8.9	18.5
87699 2000 SP_{17}	15.1	X	258.64684	68.36327	213.07745	5.64483	0.0159418	0.21336361	2.7736765	21	2 16.1	19.0
87700 2000 SE_{18}	15.3	X	236.48382	79.69232	338.63796	14.53406	0.0638275	0.22715509	2.6602415	21	7 16.9	19.2
87701 2000 SK_{19}	14.8	X	293.22224	89.29910	213.53453	11.94520	0.0662855	0.17493047	3.1663512	21	4 26.9	19.0
87702 2000 SO_{22}	15.1	X	322.14540	211.77617	126.66482	14.27503	0.1987381	0.22954496	2.6417449	21	7 6.0	17.8
87703 2000 SE_{23}	14.6	X	303.34530	208.05978	156.88977	1.75639	0.1873922	0.18093586	3.0958955	21	7 11.8	18.5
87704 2000 SG_{23}	13.8	X	222.84474	319.53708	92.06490	2.16309	0.2796759	0.12555848	3.9497718	21	6 5.9	20.3
87705 2000 SY_{24}	15.0	X	214.56814	273.53020	136.22889	8.63492	0.1698393	0.22065908	2.7121988	21	6 1.4	19.5
87706 2000 SM_{25}	15.1	X	247.59799	102.33249	211.87241	12.28655	0.1201193	0.22059712	2.7127066	21	3 4.4	19.5
87707 2000 SS_{25}	15.2	X	249.38130	55.57292	212.46871	11.96156	0.1590962	0.21615174	2.7497733	21	1 9.6	19.8
87708 2000 SM_{27}	15.2	X	288.41740	72.83142	244.15343	7.18898	0.0236992	0.17513766	3.1638535	21	5 14.3	19.7
87709 2000 SH_{28}	14.9	X	41.02634	40.63929	238.93510	11.83527	0.2178649	0.23402484	2.6079229	21	9 22.9	18.3
87710 2000 SY_{28}	14.3	X	8.65674	53.24583	228.55786	15.87036	0.1893365	0.18124891	3.0923296	21	7 17.1	17.9
87711 2000 SE_{33}	15.7	X	208.97034	281.76578	150.90645	5.52419	0.1077153	0.22487685	2.6781787	21	6 26.3	19.7
87712 2000 SA_{34}	15.6	X	357.19416	188.52077	101.20552	4.32994	0.0988283	0.22861448	2.6489081	21	7 10.1	18.5
87713 2000 SO_{34}	15.9	X	267.00223	349.55025	16.78903	1.63084	0.0651146	0.22593289	2.6698268	21	6 11.7	19.5
87714 2000 SD_{36}	15.3	X	271.60158	213.86748	42.45645	5.05261	0.0196453	0.21142975	2.7905640	21	2 4.7	19.3
87715 2000 SM_{36}	15.0	X	63.63883	218.81440	18.58518	22.11794	0.0062723	0.22886058	2.6470088	21	8 11.7	19.0
87716 2000 SP_{36}	15.5	X	314.82812	294.49391	32.57315	11.86968	0.1191209	0.22740139	2.6583203	21	6 16.6	18.8
87717 2000 SK_{38}	15.6	X	174.73836	12.59563	35.18040	3.46355	0.0885352	0.21784530	2.7355033	21	4 19.6	19.6
87718 2000 SY_{42}	15.5	X	43.04546	12.41337	273.76889	3.78938	0.2116759	0.23448528	2.6045078	21	10 7.1	18.7
87719 2000 SL_{45}	14.7	X	267.26697	135.89582	257.17604	12.96294	0.1162900	0.23106110	2.6301761	21	7 8.9	18.4
87720 2000 SS_{45}	14.9	X	56.25825	101.81902	228.13534	12.29326	0.1782544	0.24377237	2.5379305	21	12 17.6	18.6
87721 2000 SV_{45}	14.4	X	301.82719	147.09416	307.13948	24.27528	0.2155136	0.24148607	2.5539241	21	11 7.8	17.6
87722 2000 SD_{46}	13.9	X	22.77852	80.96881	295.01697	13.35650	0.2004275	0.24020158	2.5630209	21	—	—
87723 2000 SE_{46}	14.6	X	220.62709	133.16696	301.32746	15.11280	0.1425042	0.22402805	2.6849392	21	7 9.9	18.8
87724 2000 SH_{46}	14.3	X	51.92136	35.98581	288.12874	12.83139	0.2184553	0.23912843	2.5706833	21	12 10.5	18.0
87725 2000 SK_{46}	14.8	X	324.17733	171.07457	253.95859	12.69639	0.1635249	0.24197395	2.5504901	21	11 25.7	17.1
87726 2000 SZ_{46}	15.5	X	23.72081	64.51907	194.68912	15.19475	0.1238871	0.23139476	2.6276471	21	7 11.9	18.8
87727 2000 SA_{47}	14.6	X	10.04078	141.35396	245.71577	10.94609	0.0604893	0.19650122	2.9301682	21	12 3.9	18.3
87728 2000 SU_{47}	15.1	X	177.47497	167.44266	298.64882	11.77936	0.1246202	0.22693354	2.6619727	21	7 7.3	19.2
87729 2000 SW_{47}	15.0	X	352.09591	54.09977	287.55401	11.28812	0.0568392	0.23503903	2.6004153	21	9 7.9	18.4
87730 2000 SJ_{50}	14.9	X	49.01224	94.55478	201.25598	7.17415	0.0461817	0.18866955	3.0107047	21	9 28.3	19.0
87731 2000 SA_{53}	14.5	X	177.32750	15.43469	35.17583	9.27289	0.0612733	0.17205231	3.2015654	21	4 28.0	19.2
87732 2000 SQ_{55}	15.4	X	171.47534	205.61765	200.10392	4.23196	0.0829115	0.21755260	2.7379565	21	4 13.1	19.5
87733 2000 SD_{56}	15.4	X	194.31742	182.09591	192.79029	5.76804	0.0296650	0.21714761	2.7413596	21	3 28.9	19.1
87734 2000 SO_{58}	16.3	X	283.55057	57.45015	303.96385	1.09290	0.1625513	0.22710903	2.6606012	21	6 12.1	19.9
87735 2000 SU_{58}	15.4	X	359.97765	243.68717	304.06409	0.97165	0.0152267	0.21405617	2.7676906	21	2 28.2	19.0
87736 2000 SG_{60}	15.5	X	292.23493	8.53527	351.54739	2.61772	0.1149343	0.22791825	2.6542999	21	6 30.5	18.8
87737 2000 SX_{60}	16.1	X	288.46345	269.59987	91.79262	0.49186	0.1375300	0.22768289	2.6561287	21	6 22.9	19.6
87738 2000 SG_{61}	15.3	X	309.82569	255.40182	80.33169	3.26375	0.0854361	0.22695251	2.6618243	21	6 27.3	18.4
87739 2000 SQ_{62}	15.6	X	343.89964	140.69414	189.18314	8.79434	0.0694266	0.23084960	2.6317823	21	8 12.6	18.9
87740 2000 SK_{63}	15.2	X	194.11556	315.89866	43.05915	5.23162	0.0765297	0.21417962	2.7666271	21	3 12.6	19.3
87741 2000 SP_{63}	15.3	X	323.70869	273.95064	125.18726	3.37125	0.0833962	0.23567207	2.5957567	21	10 21.1	18.3
87742 2000 SH_{65}	15.4	X	282.93982	226.43525	147.99466	1.66545	0.0906685	0.22797817	2.6538348	21	7 10.5	18.8
87743 2000 SP_{65}	14.9	X	60.57216	149.13696	176.66412	10.54741	0.1193855	0.19363181	2.9590451	21	12 2.6	19.2
87744 2000 SX_{65}	15.1	X	168.41057	223.54346	182.95746	5.64277	0.0499669	0.21684250	2.7439306	21	4 9.4	18.9
87745 2000 SX_{66}	14.6	X	297.95398	281.95847	96.66289	2.97214	0.1941709	0.18189144	3.0850430	21	7 21.3	18.5
87746 2000 SY_{70}	15.0	X	34.78306	304.90323	47.11036	3.25871	0.2231229	0.19276920	2.9678660	21	12 15.8	18.8
87747 2000 ST_{71}	14.8	X	313.23419	204.85512	23.36189	4.52363	0.1042223	0.21309801	2.7759807	21	2 8.6	18.5
87748 2000 SR_{72}	14.9	X	59.48139	325.99781	49.41492	7.82975	0.1323009	0.24516579	2.5283050	21	—	—
87749 2000 SU_{72}	15.0	X	204.64525	331.50363	32.15612	9.45906	0.1451917	0.21578734	2.7528681	21	3 29.2	19.4
87750 2000 SN_{73}	15.5	X	268.50923	276.67666	33.31051	12.26849	0.1706694	0.21874072	2.7280331	21	3 24.0	19.7
87751 2000 SA_{74}	15.9	X	342.97361	223.25452	130.42354	5.11942	0.1440028	0.23272833	2.6175996	21	9 19.0	18.4
87752 2000 SH_{74}	15.4	X	324.73656	321.37816	28.60558	13.60355	0.3209539	0.23139164	2.6276707	21	7 10.9	17.9
87753 2000 SS_{75}	15.3	X	254.70080	220.80696	146.76238	7.26519	0.1112887	0.22251135	2.6971262	21	5 24.9	19.3
87754 2000 SA_{76}	14.7	X	179.28553	152.15266	65.33170	6.04271	0.0481614	0.23994046	2.5648800	21	12 1.9	18.4
87755 2000 SU_{80}	14.7	X	202.41470	244.63779	171.91583	11.93342	0.1073724	0.17373292	3.1808850	21	6 2.1	19.9
87756 2000 SK_{81}	15.2	X	295.46281	52.00731	180.59771	5.67117	0.1057122	0.21163613	2.7887496	21	1 20.6	19.2
87757 2000 SN_{84}	15.5	X	253.89660	260.64704	104.06057	2.42974	0.1725823	0.22279092	2.6948694	21	5 12.4	19.6
87758 2000 SL_{85}	15.0	X	235.02438	314.86951	35.62383	14.44791	0.2120169	0.21861065	2.7291150	21	4 7.2	19.6
87759 2000 SC_{88}	14.5	X	281.11809	239.66872	124.49618	6.52588	0.1809911	0.17759359	3.1346173	21	6 12.0	19.0
87760 2000 SF_{88}	15.2	X	171.89915	265.61033	110.68773	6.48681	0.1504159	0.21160333	2.7890377	21	3 15.3	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87761 2000 SG_{89}	14.3	X	284.13303	137.86080	260.21696	13.32064	0.1580657	0.23044913	2.6348304	21	7 29.8	17.9
87762 2000 SN_{89}	14.1	X	288.78820	100.97822	31.62170	10.12252	0.0981468	0.19283190	2.9672226	21	12 16.5	18.0
87763 2000 SL_{90}	14.8	X	211.04484	188.58948	282.95365	13.76317	0.0618674	0.23282652	2.6168636	21	8 16.9	18.7
87764 2000 SW_{90}	14.0	X	206.89030	114.11429	240.53589	20.95342	0.0507872	0.16829697	3.2490160	21	3 16.7	19.3
87765 2000 SZ_{90}	14.4	X	308.93253	98.72188	236.00007	21.01805	0.1673572	0.18021144	3.1041865	21	6 12.1	18.5
87766 2000 SF_{91}	15.3	X	342.68055	345.17060	261.08122	11.32847	0.1291670	0.22374229	2.6872248	21	4 4.0	18.7
87767 2000 SZ_{91}	14.7	X	3.35789	24.66047	261.84075	10.78598	0.0869146	0.18355472	3.0663779	21	7 13.6	18.6
87768 2000 SC_{92}	14.7	X	209.69489	132.47859	228.93815	14.18362	0.0712351	0.17167375	3.2062702	21	3 30.9	19.7
87769 2000 SC_{94}	14.9	X	139.13096	40.20090	207.31829	15.08760	0.1568541	0.19632656	2.9319058	21	11 20.7	19.8
87770 2000 SB_{95}	14.1	X	336.99405	90.06444	251.08023	10.48111	0.1203165	0.18414825	3.0597856	21	8 9.3	18.0
87771 2000 SB_{96}	15.5	X	261.74208	98.07680	229.68058	4.85131	0.1261067	0.22068556	2.7119818	21	4 6.9	19.4
87772 2000 SQ_{97}	15.7	X	33.83000	96.41957	232.94323	5.55038	0.1553743	0.23833157	2.5764101	21	11 14.6	18.7
87773 2000 SR_{98}	15.7	X	321.14225	358.82346	332.05644	4.09004	0.1406233	0.22862092	2.6488583	21	7 1.7	18.7
87774 2000 SO_{99}	15.6	X	272.12419	67.73657	255.23401	4.00170	0.0384271	0.22005250	2.7171807	21	4 24.6	19.4
87775 2000 SZ_{100}	14.7	X	283.09859	92.45345	243.98954	13.25527	0.2009380	0.22292705	2.6937722	21	5 2.5	18.7
87776 2000 SK_{104}	15.3	X	192.31934	144.53941	191.18474	4.02665	0.0738997	0.21103035	2.7940839	21	2 7.3	19.4
87777 2000 SR_{107}	15.6	X	253.52091	77.62497	259.65381	1.12134	0.1025653	0.21937816	2.7227459	21	4 13.3	19.6
87778 2000 SU_{107}	15.2	X	252.39999	290.99926	359.26397	4.08735	0.0324979	0.21244437	2.7816719	21	2 21.2	19.1
87779 2000 SY_{108}	14.9	X	257.63097	6.26107	33.96511	2.26649	0.0907107	0.22662038	2.6644244	21	7 12.3	18.6
87780 2000 SM_{111}	14.6	X	308.60694	319.42652	32.33363	6.85067	0.1913706	0.18108544	3.0941904	21	7 2.4	18.6
87781 2000 SP_{111}	15.6	X	212.48421	307.44238	18.17256	2.09404	0.1258885	0.21247276	2.7814240	21	2 17.5	19.9
87782 2000 SF_{114}	14.5	X	315.12657	236.06756	29.33346	10.37848	0.1704934	0.21896244	2.7261911	21	3 21.6	18.0
87783 2000 SH_{114}	15.5	X	41.57694	326.61528	48.47223	2.64669	0.2011152	0.24264605	2.5457782	21	—	—
87784 2000 SC_{115}	15.5	X	280.52947	289.37186	20.48605	5.07523	0.1510902	0.21975482	2.7196339	21	4 3.9	19.5
87785 2000 SW_{115}	15.6	X	18.93964	321.81540	34.63854	4.16653	0.2854310	0.23855617	2.5747928	21	12 19.7	18.6
87786 2000 SV_{116}	15.6	X	51.23965	242.29842	65.37523	4.58928	0.2151751	0.23758560	2.5818002	21	11 18.5	19.1
87787 2000 SV_{117}	15.0	X	276.54663	305.18842	126.40713	4.01581	0.1426098	0.23112724	2.6296743	21	9 12.0	18.3
87788 2000 SX_{117}	15.9	X	218.33776	185.00176	182.09990	3.50868	0.2086470	0.21774535	2.7363404	21	4 10.8	20.5
87789 2000 SN_{120}	13.9	X	89.66994	205.65762	189.10439	11.75507	0.0691551	0.15547155	3.4253275	21	1 2.6	18.8
87790 2000 SS_{120}	13.9	X	116.48113	174.12681	45.04385	9.62817	0.1449452	0.23135751	2.6279291	21	10 2.5	18.0
87791 2000 SJ_{121}	15.1	X	188.61700	244.91039	145.29964	5.59829	0.1797010	0.21552309	2.7551179	21	4 15.9	19.8
87792 2000 SG_{124}	15.7	X	261.35162	200.77715	173.68892	3.21341	0.2092995	0.22364748	2.6879842	21	5 28.5	19.7
87793 2000 SN_{127}	15.8	X	205.84079	188.92746	194.72128	5.71771	0.0808493	0.21758091	2.7377189	21	4 22.9	19.9
87794 2000 SQ_{127}	15.8	X	280.55530	162.44476	183.99373	4.38078	0.1116062	0.22354090	2.6888385	21	5 27.7	19.4
87795 2000 SZ_{127}	14.7	X	15.06290	143.25392	184.87967	11.47547	0.0983917	0.18544521	3.0455026	21	9 28.9	18.5
87796 2000 SD_{128}	15.1	X	22.22127	329.10031	112.61674	3.12618	0.0620329	0.19941141	2.9015900	21	—	—
87797 2000 SF_{130}	14.7	X	124.01037	24.77591	251.24811	14.85090	0.0981928	0.19773133	2.9180030	21	12 7.2	19.2
87798 2000 SG_{130}	15.4	X	358.53539	29.21872	274.22231	13.29558	0.1129903	0.23152801	2.6266388	21	7 29.2	18.4
87799 2000 SP_{130}	14.7	X	270.50739	154.27464	241.02666	12.00778	0.1637841	0.22929346	2.6436763	21	7 8.7	18.5
87800 2000 SK_{131}	15.6	X	26.82954	12.31954	250.59741	12.25449	0.1337001	0.23013568	2.6372223	21	7 23.3	18.7
87801 2000 SC_{132}	14.3	X	204.72295	88.31029	286.66170	14.48005	0.0964924	0.17056262	3.2201799	21	4 6.8	19.6
87802 2000 SO_{132}	14.9	X	339.64071	353.62111	296.10304	14.30081	0.1078389	0.22568417	2.6717879	21	6 7.8	18.1
87803 2000 SE_{137}	15.0	X	348.90082	125.54623	234.00810	12.09847	0.1943182	0.23450376	2.6043709	21	10 6.7	17.5
87804 2000 SS_{137}	15.2	X	225.44551	99.94752	313.66465	11.14522	0.1663603	0.22312043	2.6922155	21	6 15.2	19.6
87805 2000 SK_{140}	15.1	X	185.90959	9.86914	329.73110	4.63310	0.0184254	0.20975574	2.8053915	21	2 4.1	19.1
87806 2000 SR_{140}	15.4	X	303.57719	50.19294	290.58553	2.84609	0.1069292	0.22627309	2.6671500	21	6 21.5	18.7
87807 2000 SZ_{141}	15.4	X	171.55141	202.38969	222.37158	5.39575	0.0557830	0.21828253	2.7318492	21	5 6.1	19.1
87808 2000 SO_{142}	14.3	X	285.67598	115.85955	236.47292	15.95491	0.1642243	0.17739980	3.1368997	21	6 4.3	18.8
87809 2000 SE_{143}	14.6	X	294.94084	101.41293	247.34417	4.02058	0.1513551	0.17840658	3.1250872	21	6 13.9	18.9
87810 2000 SE_{145}	15.9	X	294.01082	6.69521	356.06342	4.10314	0.1987823	0.22761673	2.6566434	21	6 22.9	19.3
87811 2000 SO_{145}	13.3	X	195.58771	220.55800	203.77546	12.69240	0.2203909	0.12471826	3.9674917	21	6 3.1	19.9
87812 2000 SL_{146}	14.4	X	266.24267	162.77918	204.90644	17.03062	0.2189584	0.17680745	3.1439021	21	5 26.1	19.4
87813 2000 SC_{147}	14.6	X	235.82781	130.07843	208.64733	4.11499	0.1369943	0.16972375	3.2307819	21	3 29.5	19.6
87814 2000 SG_{154}	14.7	X	298.54788	319.98942	24.30010	5.06316	0.2125753	0.17841818	3.1249517	21	6 2.9	19.0
87815 2000 SR_{155}	15.5	X	311.50898	243.01996	156.78570	5.12053	0.2369723	0.23133455	2.6281030	21	9 11.2	17.9
87816 2000 SA_{156}	14.5	X	261.60063	87.34713	223.92926	4.12112	0.1158396	0.16965974	3.2315944	21	3 23.9	19.4
87817 2000 SF_{157}	14.0	X	279.14443	101.51069	321.64611	14.22136	0.1741004	0.23019090	2.6368005	21	8 26.3	17.3
87818 2000 SS_{157}	15.5	X	257.51219	147.02653	223.76464	5.29401	0.0346497	0.22443493	2.6816932	21	6 10.1	19.1
87819 2000 SZ_{161}	14.5	X	304.23520	262.57555	106.95928	11.93650	0.1287484	0.18192088	3.0847100	21	7 29.3	18.4
87820 2000 SD_{162}	14.9	X	297.29220	269.97208	146.84892	12.62355	0.1798266	0.23230720	2.6207621	21	9 20.0	17.8
87821 2000 ST_{162}	14.1	X	157.32212	236.99792	347.13967	7.12172	0.1402968	0.23794648	2.5791891	21	11 10.6	18.4
87822 2000 SB_{165}	14.5	X	302.08291	346.65827	225.80690	16.27403	0.1209953	0.21084285	2.7957401	21	—	—
87823 2000 SA_{167}	15.3	X	211.04366	102.36040	272.35697	7.72914	0.1567680	0.21746184	2.7387181	21	4 11.3	19.9
87824 2000 SG_{167}	15.0	X	253.53575	95.93170	233.03038	7.71506	0.2056100	0.21910643	2.7249966	21	3 22.6	19.5
87825 2000 SF_{168}	15.4	X	256.31328	356.64517	328.04163	9.02760	0.1242939	0.21790226	2.7350267	21	3 26.4	19.7
87826 2000 SM_{168}	14.8	X	188.52574	130.17267	227.78416	11.35220	0.1550617	0.21262197	2.7801226	21	3 1.4	19.5
87827 2000 SB_{170}	14.5	X	195.02066	7.87318	7.53947	5.95621	0.0918542	0.21425507	2.7659775	21	3 31.5	18.7
87828 2000 SS_{170}	15.0	X	274.27976	296.45415	28.48270	13.69845	0.2158203	0.22038725	2.7144285	21	4 9.5	19.1
87829 2000 SA_{173}	14.3	X	102.63219	247.94278	253.51797	20.75680	0.0440732	0.22228128	2.6989870	21	5 19.6	18.0
87830 2000 SL_{173}	14.7	X	222.07484	152.88368	259.64980	12.12693	0.0768157	0.22402423	2.6849697	21	6 16.6	18.4
87831 2000 SY_{174}	15.4	X	348.72179	94.37017	281.15926	6.05099	0.2093908	0.23543839	2.5974740	21	11 3.1	17.7
87832 2000 SD_{178}	14.7	X	110.89488	83.47588	295.47944	4.78666	0.1297311	0.20309470	2.8664013	21	1 9.2	18.4
87833 2000 SL_{178}	14.7	X	104.53382	210.93037	237.00702	12.30520	0.0323213	0.21054926	2.7983384	21	3 7.3	18.7
87834 2000 SD_{179}	14.1	X	93.57027	314.71185	350.24243	5.31704	0.0944588	0.23947141	2.5682282	21	12 17.3	17.9
87835 2000 SE_{182}	15.5	X	82.69415	180.69780	89.35111	7.30749	0.2034365	0.24072605	2.5592968	21	11 6.3	19.4
87836 2000 SH_{183}	14.6	X	316.20252	236.37547	352.72909	10.89014	0.0047447	0.16803564	3.2523837	21	3 5.9	19.2
87837 2000 SK_{186}	15.1	X	249.96659	317.13731	97.95811	6.96874	0.1062515	0.22733383	2.6588470	21	7 20.6	18.8
87838 2000 SA_{187}	15.0	X	357.37108	42.40339	308.23785	12.99122	0.1947188	0.23555985	2.5965810	21	10 7.6	17.8
87839 2000 SX_{190}	15.6	X	222.49850	16.93845	319.23714	3.71332	0.0813008	0.21539605	2.7562011	21	3 10.9	19.7
87840 2000 SW_{193}	15.4	X	333.89051	251.27604	70.95734	5.72183	0.1300743	0.23015985	2.6370377	21	7 14.1	18.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87841 2000 SU_{198}	15.9	X	223.80112	33.81653	12.07857	2.46695	0.0771311	0.22416116	2.6838761	21	6 9.7	19.8
87842 2000 SW_{199}	15.5	X	270.90105	85.37793	199.07238	6.81436	0.1243475	0.21600780	2.7509948	21	2 22.0	19.7
87843 2000 SH_{202}	15.2	X	340.98609	215.85441	7.55546	9.02228	0.0964922	0.21664959	2.7455591	21	3 13.4	18.6
87844 2000 SS_{203}	15.1	X	53.20160	231.21476	36.89991	1.89453	0.1039992	0.18503267	3.0500276	21	9 8.1	19.1
87845 2000 SG_{208}	15.4	X	12.25957	141.75486	186.81708	1.50220	0.2100511	0.18630523	3.0361230	21	10 7.0	18.5
87846 2000 SS_{209}	15.4	X	211.85802	235.23921	124.78023	7.38652	0.0899204	0.21640965	2.7475881	21	4 2.2	19.6
87847 2000 SM_{210}	14.6	X	290.90387	283.33170	69.87287	10.70529	0.1842623	0.17927902	3.1149403	21	6 8.9	18.8
87848 2000 SJ_{212}	14.7	X	296.81079	232.02225	132.00585	8.42753	0.1745573	0.18013802	3.1050300	21	7 2.9	18.9
87849 2000 SR_{212}	14.4	X	339.19001	274.89055	83.45843	9.80056	0.2586859	0.18546395	3.0452974	21	9 10.7	17.3
87850 2000 SP_{213}	15.1	X	348.60285	296.58068	49.53864	13.86972	0.3032794	0.23376773	2.6098348	21	10 3.4	16.9
87851 2000 SD_{218}	15.5	X	221.27620	271.89917	165.87883	11.94520	0.2624431	0.22328306	2.6909081	21	7 4.9	20.4
87852 2000 SP_{219}	14.7	X	291.28310	179.33778	98.93893	10.24551	0.1232688	0.21539664	2.7561960	21	3 16.6	18.7
87853 2000 SW_{219}	15.3	X	20.70099	233.58955	173.36829	12.12393	0.1736721	0.24193169	2.5507871	21	—	—
87854 2000 SY_{219}	14.9	X	220.62068	187.94949	159.88831	9.73365	0.1616064	0.21504169	2.7592281	21	3 23.2	19.4
87855 2000 SB_{220}	15.1	X	328.66486	312.54692	112.59236	7.14585	0.1589523	0.23685899	2.5870777	21	12 5.1	17.6
87856 2000 SM_{220}	15.7	X	283.93971	258.69891	51.20846	13.75470	0.1854949	0.22067893	2.7120361	21	4 8.3	19.7
87857 2000 SD_{222}	15.1	X	41.17613	168.46893	173.10062	14.28921	0.2963204	0.23903473	2.5713550	21	12 29.9	19.1
87858 2000 ST_{225}	15.6	X	154.90346	248.14579	152.97911	7.89869	0.2438358	0.21122233	2.7923906	21	4 4.2	20.4
87859 2000 SX_{225}	13.4	X	181.12218	82.51388	69.29336	17.03349	0.1830610	0.17783012	3.1318371	21	9 11.6	18.9
87860 2000 SR_{226}	15.2	X	240.43920	136.86439	186.18841	13.58551	0.1820499	0.21374468	2.7703790	21	3 7.3	19.7
87861 2000 SH_{229}	15.7	X	334.75198	105.68180	210.08157	2.93011	0.0539517	0.22577804	2.6710473	21	7 11.2	19.0
87862 2000 SJ_{231}	14.7	X	354.54906	259.34181	245.28263	5.07518	0.0226846	0.20357563	2.8618851	21	—	—
87863 2000 SE_{234}	14.5	X	320.24823	289.01106	42.21495	11.51738	0.0608309	0.18072474	3.0983060	21	7 11.5	18.8
87864 2000 SQ_{238}	15.4	X	229.00545	216.08147	119.37664	7.80949	0.1368137	0.21535901	2.7565171	21	3 18.5	19.8
87865 2000 SK_{240}	15.4	X	19.22352	13.02864	343.71318	27.79448	0.2114374	0.23799770	2.5788191	21	12 2.5	19.1
87866 2000 SB_{243}	15.5	X	5.28291	203.18973	113.10855	4.17426	0.1094828	0.23369545	2.6103729	21	9 4.7	18.2
87867 2000 SJ_{245}	14.8	X	286.06182	276.01132	61.29528	5.61009	0.1356058	0.17847670	3.1242687	21	5 20.9	19.1
87868 2000 SR_{251}	14.9	X	319.89834	274.93163	65.86259	3.22122	0.0630945	0.18134165	3.0912752	21	7 22.7	19.0
87869 2000 SD_{256}	15.3	X	282.55028	224.36027	93.89264	6.11297	0.0357194	0.22006605	2.7170691	21	5 5.6	19.1
87870 2000 SQ_{257}	15.6	X	184.69844	310.16137	51.19534	4.18779	0.1025728	0.21274321	2.7790663	21	3 6.5	19.9
87871 2000 SX_{262}	15.5	X	241.86192	246.73423	116.25513	5.83224	0.1943246	0.22093131	2.7099703	21	4 28.5	19.9
87872 2000 SE_{268}	14.9	X	58.08215	210.31667	41.59867	16.32630	0.1663372	0.22927382	2.6438272	21	9 15.7	18.6
87873 2000 SH_{269}	15.0	X	126.29970	227.59011	144.03997	5.85241	0.1150297	0.20448562	2.8533883	21	1 16.0	18.9
87874 2000 SW_{269}	15.1	X	187.59167	327.53474	58.45561	9.93549	0.1533398	0.21443578	2.7644234	21	4 11.1	19.6
87875 2000 ST_{270}	15.3	X	269.06085	82.62024	181.04301	11.53466	0.0868299	0.21026904	2.8008240	21	1 30.3	19.6
87876 2000 SB_{271}	15.6	X	340.37710	122.04203	186.07506	9.62119	0.1660959	0.22667866	2.6639678	21	6 30.5	18.5
87877 2000 SS_{273}	15.1	X	5.21090	236.53529	86.65534	1.56804	0.1367072	0.18383370	3.0632749	21	9 9.7	18.6
87878 2000 SG_{275}	15.4	X	224.83655	144.84648	199.90369	13.69125	0.2026626	0.21522369	2.7576724	21	3 18.5	20.1
87879 2000 SH_{275}	13.8	X	189.66978	60.68279	84.36112	6.01555	0.1092069	0.17922128	3.1156094	21	9 7.3	18.7
87880 2000 SO_{276}	14.7	X	305.37760	139.15127	217.57185	10.26169	0.1462408	0.17980770	3.1088316	21	7 8.5	18.9
87881 2000 SC_{277}	15.2	X	237.98441	341.38471	33.39110	15.56667	0.2139503	0.22018097	2.7161236	21	5 4.0	19.8
87882 2000 SN_{278}	14.1	X	229.39402	117.33793	39.02671	10.46392	0.0284670	0.18832081	3.0144205	21	11 8.5	18.4
87883 2000 SO_{278}	13.9	X	328.95698	67.46986	222.01110	21.95239	0.2012969	0.17557296	3.1586218	21	5 11.8	17.6
87884 2000 SN_{279}	15.2	X	273.39635	168.28383	94.95877	6.64760	0.0268156	0.21260211	2.7802958	21	2 14.4	19.1
87885 2000 SF_{283}	15.9	X	272.73791	131.99200	245.93448	9.25266	0.1335633	0.22676627	2.6632816	21	6 24.3	19.7
87886 2000 SJ_{285}	14.7	X	215.73785	219.41776	230.15917	8.97655	0.1568498	0.22556374	2.6727389	21	7 19.7	19.1
87887 2000 SS_{286}	15.2	X	101.12336	163.28342	299.16487	8.35813	0.1150360	0.21573982	2.7532723	21	4 2.9	19.1
87888 2000 ST_{287}	14.8	X	346.79807	322.49695	347.54837	12.77684	0.1567382	0.22566270	2.6719574	21	7 23.2	17.7
87889 2000 SA_{288}	14.4	X	304.34714	110.32369	282.00126	11.68669	0.2096038	0.22924987	2.6440114	21	8 14.9	17.4
87890 2000 SE_{288}	15.0	X	199.15494	79.29240	310.42339	7.81489	0.2629269	0.21496460	2.7598877	21	4 18.2	20.0
87891 2000 SW_{290}	15.8	X	269.78235	135.26296	219.69599	5.23544	0.0306997	0.22370637	2.6875125	21	6 5.7	19.3
87892 2000 SS_{292}	13.9	X	354.67489	172.27899	274.94894	10.88319	0.0126874	0.19643293	2.9308472	21	—	—
87893 2000 SL_{293}	14.5	X	223.27477	48.51379	309.47384	8.67635	0.1309644	0.21582048	2.7525863	21	4 2.1	19.0
87894 2000 SF_{295}	14.3	X	241.16095	139.53263	23.39666	13.47514	0.0984194	0.23517897	2.5993837	21	11 26.6	17.9
87895 2000 SP_{298}	15.2	X	44.93886	268.11709	348.88396	13.92120	0.1775812	0.23049178	2.6345054	21	8 28.9	18.2
87896 2000 SE_{300}	15.5	X	262.92553	7.06234	311.08340	3.01328	0.1333127	0.21878123	2.7276962	21	3 26.4	19.7
87897 2000 SH_{300}	15.7	X	238.34341	42.04038	296.78872	3.26312	0.1247409	0.21767445	2.7369345	21	3 27.3	19.9
87898 2000 SC_{305}	14.5	X	328.82911	26.95517	265.46613	8.17743	0.0451638	0.17494003	3.1662357	21	6 2.9	18.8
87899 2000 SH_{306}	14.6	X	78.96686	218.70538	317.80448	10.76892	0.1294168	0.22117153	2.7080077	21	6 18.1	18.3
87900 2000 SJ_{306}	14.7	X	328.54460	85.72006	255.47222	9.07439	0.0632909	0.18164548	3.0878271	21	8 1.1	18.9
87901 2000 SN_{306}	14.7	X	72.20259	208.21001	295.83248	8.00716	0.0977006	0.21523663	2.7575619	21	4 15.7	18.4
87902 2000 SQ_{307}	14.6	X	86.51344	303.89569	351.67193	11.76841	0.1637217	0.23992727	2.5649741	21	12 2.7	18.7
87903 2000 ST_{308}	15.2	X	42.38534	34.45453	276.49681	6.08939	0.2040279	0.23656992	2.5891847	21	11 7.8	18.6
87904 2000 SR_{309}	15.5	X	12.53080	148.85915	138.49237	6.62056	0.1632248	0.22998093	2.6384052	21	8 8.4	18.0
87905 2000 SH_{310}	14.2	X	208.60137	99.23029	265.75138	15.93381	0.2161806	0.21664529	2.7455954	21	3 23.4	19.3
87906 2000 SP_{310}	14.6	X	202.46401	184.02921	269.43277	21.01934	0.0350813	0.22675848	2.6633425	21	7 16.2	18.5
87907 2000 SQ_{310}	14.6	X	346.61799	59.67359	332.38833	22.06623	0.0727567	0.23694240	2.5864705	21	11 4.4	18.3
87908 2000 SJ_{311}	14.5	X	189.20738	206.93226	252.70104	21.11525	0.0911281	0.22418680	2.6836715	21	7 6.7	18.8
87909 2000 SH_{312}	14.6	X	25.37659	30.13677	283.08267	13.99426	0.1601996	0.23455086	2.6040223	21	10 1.8	18.0
87910 2000 SV_{312}	14.2	X	338.17648	129.76804	298.43791	13.15205	0.1356531	0.23984426	2.5655658	21	12 27.5	16.9
87911 2000 SZ_{312}	14.8	X	2.51205	325.40193	319.89938	14.20736	0.1098382	0.22684705	2.6626492	21	7 16.1	17.8
87912 2000 SS_{313}	14.8	X	333.28747	316.77725	297.59557	11.49225	0.1379943	0.21878986	2.7276246	21	3 28.6	18.3
87913 2000 SU_{313}	15.3	X	331.29006	5.74259	291.56920	12.12912	0.2416296	0.22584335	2.6705324	21	5 12.3	18.3
87914 2000 SY_{313}	15.3	X	333.13524	36.41187	314.34722	11.45950	0.1803648	0.23070424	2.6328877	21	8 18.6	17.7
87915 2000 SB_{315}	15.3	X	252.68747	91.86718	289.70438	12.99890	0.0661481	0.22464058	2.6800562	21	6 14.2	19.2
87916 2000 SH_{315}	14.9	X	274.76283	352.98973	285.82116	11.64715	0.1510943	0.21540648	2.7561121	21	2 14.3	19.3
87917 2000 SF_{316}	14.2	X	31.66426	313.86170	239.32294	20.14367	0.0994457	0.17317760	3.1876814	21	4 25.9	18.4
87918 2000 SQ_{316}	14.8	X	43.13377	29.08680	265.57919	13.92223	0.0718231	0.23536127	2.5980413	21	9 20.9	18.5
87919 2000 SZ_{316}	14.0	X	221.04280	67.79792	288.40269	15.03560	0.1076881	0.17140431	3.2096294	21	3 30.2	19.3
87920 2000 SM_{317}	14.5	X	349.99544	12.41276	273.78207	13.86899	0.0625611	0.18022919	3.1039827	21	6 24.3	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
87921 2000 SC_{318}	15.0	X	327.99370	327.44434	305.40586	12.49034	0.2905944	0.22528608	2.6749344	21	3 19.3	18.4
87922 2000 SM_{318}	14.7	X	316.29732	305.84763	56.46494	13.36483	0.1394011	0.18347059	3.0673153	21	8 11.1	18.7
87923 2000 SV_{318}	14.4	X	337.13409	32.06521	323.35422	11.92952	0.2445787	0.23175728	2.6249062	21	8 30.9	16.4
87924 2000 SB_{319}	14.6	X	357.77252	7.43760	338.81440	14.34093	0.1702392	0.23262077	2.6184064	21	10 1.2	17.4
87925 2000 SG_{319}	13.6	X	30.22920	71.03416	280.88096	11.95506	0.1750529	0.23769764	2.5809889	21	12 12.4	16.8
87926 2000 SZ_{319}	13.4	X	279.54174	113.93029	254.29259	24.77245	0.2290137	0.17511729	3.1640988	21	6 7.8	17.9
87927 2000 SN_{321}	16.4	X	280.71071	163.77228	195.71567	1.52910	0.0930301	0.22704726	2.6610837	21	6 16.6	19.8
87928 2000 SB_{328}	15.5	X	212.38533	14.74947	286.10135	6.69089	0.1520598	0.20864981	2.8152960	21	1 18.8	20.0
87929 2000 SA_{331}	15.3	X	269.84649	154.07270	205.18485	8.90867	0.1196514	0.22240983	2.6979469	21	5 30.0	19.1
87930 2000 SS_{333}	15.5	X	46.06564	294.36397	93.34114	7.24227	0.2772115	0.24376794	2.5379613	21	—	—
87931 2000 ST_{333}	15.4	X	351.14466	208.62487	133.21882	14.26380	0.1837261	0.23449857	2.6044094	21	9 22.8	17.9
87932 2000 SW_{343}	14.4	X	215.84450	206.17810	273.51652	13.55430	0.1247453	0.23387111	2.6090656	21	8 26.0	18.6
87933 2000 SL_{346}	15.6	X	285.24523	28.18421	200.71418	2.21590	0.1091277	0.21047606	2.7989872	21	1 5.4	19.8
87934 2000 SF_{347}	13.6	X	237.52290	159.23859	280.42350	21.28415	0.0873900	0.22808887	2.6529760	21	8 2.2	17.7
87935 2000 SG_{347}	13.8	X	205.21613	127.20661	305.37255	21.02429	0.0918763	0.22316754	2.6918366	21	6 25.8	18.0
87936 2000 SG_{350}	15.2	X	278.49944	343.94699	47.90746	14.97356	0.0901474	0.22965376	2.6409104	21	8 3.1	19.0
87937 2000 SM_{350}	15.1	X	291.47937	323.28201	51.57691	14.90873	0.1654907	0.22928218	2.6437630	21	7 13.1	18.7
87938 2000 SL_{351}	15.5	X	329.61131	275.92651	129.96733	11.26852	0.2927321	0.23559484	2.5963238	21	11 12.2	17.3
87939 2000 SF_{353}	15.5	X	266.76913	253.99693	53.93281	12.60096	0.1392265	0.21652048	2.7466505	21	3 25.2	19.8
87940 2000 SQ_{354}	15.3	X	279.48962	227.83303	150.77156	15.03354	0.1002352	0.22919874	2.6444046	21	7 9.6	19.0
87941 2000 SG_{356}	14.2	X	305.72750	287.66699	98.66999	12.03710	0.1454709	0.18345752	3.0674609	21	8 23.9	18.2
87942 2000 SP_{356}	15.1	X	296.89330	237.75289	147.38116	15.47219	0.1285363	0.23002777	2.6380471	21	8 9.1	18.3
87943 2000 SM_{357}	15.6	X	53.85805	231.41790	134.24216	13.91914	0.1997116	0.24338717	2.5406076	21	—	—
87944 2000 SZ_{357}	14.0	X	231.09506	233.73341	130.41388	18.45037	0.1501372	0.17176857	3.2050902	21	4 30.9	19.4
87945 2000 SQ_{358}	14.4	X	281.27806	294.02141	137.98053	14.06367	0.1535817	0.23291348	2.6162122	21	9 20.5	17.7
87946 2000 SW_{359}	15.5	X	259.29980	83.86396	197.81826	2.17767	0.0345641	0.21286678	2.7779907	21	2 16.8	19.3
87947 2000 SJ_{360}	15.6	X	224.89854	289.96850	106.64544	14.10524	0.1248813	0.22348315	2.6893017	21	5 29.6	19.9
87948 2000 SY_{361}	15.7	X	19.10056	152.98015	113.06458	4.21355	0.1667270	0.22963256	2.6410730	21	7 20.7	18.2
87949 2000 SR_{362}	14.1	X	355.77932	102.49543	62.61597	9.89723	0.0966429	0.21219598	2.7838422	21	1 19.2	17.6
87950 2000 SG_{367}	15.0	X	27.56837	337.50819	282.35815	14.49958	0.1001019	0.23118377	2.6292456	21	7 18.7	18.0
87951 2000 SZ_{368}	15.6	X	284.58636	21.72273	316.77443	11.14529	0.1971141	0.22322106	2.6914063	21	5 4.2	19.7
87952 2000 SV_{369}	16.4	X	23.58878	215.51843	125.79638	7.32411	0.2609685	0.23968904	2.5666733	21	12 4.2	19.4
87953 2000 SC_{370}	15.8	X	2.74754	226.72793	86.46743	7.23204	0.1229570	0.23283102	2.6168299	21	8 29.1	18.6
87954 Tomkaye	14.7	X	352.19339	95.51127	275.72335	12.01662	0.1841250	0.23582558	2.5946301	21	10 31.1	17.5
87955 2000 TL_{4}	15.0	X	198.75545	219.77445	107.17303	6.11190	0.1688771	0.21392045	2.7688611	21	2 7.4	19.5
87956 2000 TM_{4}	14.2	X	183.11195	127.70743	307.08604	2.28091	0.2270791	0.12628456	3.9346177	21	6 4.9	20.8
87957 2000 TQ_{12}	15.3	X	185.04870	240.26846	113.51107	6.98604	0.0670937	0.21105323	2.7938819	21	2 24.2	19.5
87958 2000 TS_{15}	15.5	X	182.66506	340.89326	21.84862	4.57218	0.0818609	0.21165734	2.7885632	21	3 4.9	19.7
87959 2000 TF_{18}	14.7	X	351.34209	163.97811	28.51632	13.79770	0.0886352	0.20988226	2.8042640	21	2 23.9	18.4
87960 2000 TU_{19}	14.1	X	165.36983	121.42092	46.63293	13.97127	0.1244661	0.23219495	2.6216067	21	9 19.4	18.4
87961 2000 TV_{19}	15.5	X	72.13111	156.67385	148.62506	11.73814	0.1573229	0.24074448	2.5591662	21	12 3.9	19.4
87962 2000 TB_{20}	14.2	X	204.45987	313.39065	105.91574	10.74259	0.0894529	0.17471683	3.1689318	21	6 7.7	19.1
87963 2000 TK_{21}	14.5	X	278.56480	238.73857	95.32515	11.14043	0.0663038	0.17464298	3.1698251	21	5 20.2	19.0
87964 2000 TM_{28}	15.2	X	186.32542	46.66139	256.45943	3.95622	0.0967875	0.20533768	2.8454892	21	—	—
87965 2000 TX_{28}	14.2	X	342.95610	341.42307	18.68425	12.86862	0.1611023	0.23118638	2.6292258	21	9 29.1	16.7
87966 2000 TX_{32}	15.6	X	168.30349	77.30200	300.83583	5.59624	0.0935653	0.21308839	2.7760643	21	3 5.3	19.9
87967 2000 TR_{33}	15.1	X	173.95864	284.98249	112.08451	13.81641	0.1418928	0.21519198	2.7579433	21	4 14.6	19.7
87968 2000 TS_{33}	15.1	X	320.04802	222.13049	91.16697	13.94606	0.1886010	0.22648691	2.6654711	21	5 29.3	18.1
87969 2000 TV_{37}	14.9	X	209.56684	294.59426	130.69364	12.06646	0.2660301	0.22346668	2.6894339	21	6 12.4	19.8
87970 2000 TT_{38}	15.2	X	0.82866	331.31198	31.64165	8.57541	0.2151361	0.23793580	2.5792663	21	11 13.1	17.5
87971 2000 TW_{38}	14.5	X	9.02492	122.18521	146.77483	16.46601	0.0379962	0.18027333	3.1034760	21	6 29.9	18.9
87972 2000 TJ_{39}	14.8	X	56.84258	197.24299	116.19203	11.86979	0.0464495	0.19231666	2.9725199	21	11 5.9	19.1
87973 2000 TX_{39}	15.2	X	263.54525	239.44056	148.01257	13.13496	0.1047918	0.22827791	2.6515112	21	6 30.3	19.1
87974 2000 TR_{41}	15.2	X	358.57696	231.98910	26.49866	15.85901	0.2462797	0.22763956	2.6564658	21	5 13.9	17.5
87975 2000 TR_{42}	14.5	X	48.73051	143.73128	114.84475	11.11798	0.0531012	0.18340110	3.0680900	21	8 13.9	18.7
87976 2000 TP_{43}	15.0	X	144.07994	274.17732	152.98488	14.13959	0.1082961	0.21534946	2.7565986	21	4 16.8	19.3
87977 2000 TY_{43}	15.6	X	291.93812	242.73449	34.41917	2.86835	0.1265435	0.21716763	2.7411911	21	3 11.3	19.4
87978 2000 TG_{44}	16.3	X	86.19127	209.50591	107.39341	6.29468	0.1795107	0.24465288	2.5318375	21	—	—
87979 2000 TL_{45}	14.5	X	69.71671	234.93231	73.63513	11.24476	0.1090769	0.19303000	2.9651922	21	11 20.6	18.8
87980 2000 TT_{53}	16.0	X	272.95484	105.33812	204.36707	2.10525	0.1708801	0.21868753	2.7284754	21	3 23.5	20.1
87981 2000 TS_{55}	15.3	X	300.84745	288.16068	70.72025	14.08044	0.2318581	0.22723089	2.6596498	21	6 21.3	18.6
87982 2000 TA_{57}	15.1	X	294.95539	270.92311	49.89974	15.16518	0.1669571	0.22470774	2.6795222	21	5 4.0	18.7
87983 2000 TB_{57}	15.0	X	334.31548	245.73163	111.84060	11.94952	0.1304593	0.18528864	3.0472180	21	9 4.5	18.7
87984 2000 TP_{57}	15.7	X	70.57980	219.22281	113.88795	8.04406	0.2600263	0.24472211	2.5313600	21	—	—
87985 2000 TJ_{58}	15.6	X	336.83622	184.86568	155.43984	4.60531	0.1894314	0.23050265	2.6344226	21	8 10.9	18.0
87986 2000 TD_{59}	15.4	X	294.82465	238.65262	152.31701	13.80743	0.1673418	0.22962654	2.6411192	21	8 7.4	18.5
87987 2000 TF_{59}	14.9	X	255.59272	305.79097	73.68606	13.64681	0.1702854	0.22374913	2.6871700	21	6 1.8	18.9
87988 2000 TZ_{62}	15.1	X	274.07068	330.66973	123.32627	5.85570	0.1720069	0.23181130	2.6244984	21	10 5.9	18.3
87989 2000 UG_{1}	13.8	X	77.15071	233.75863	234.20308	12.99459	0.1718408	0.20621106	2.8374491	21	3 17.3	17.5
87990 2000 UV_{4}	15.1	X	112.50042	166.12667	223.43770	1.20123	0.0754680	0.20322717	2.8651555	21	1 16.1	18.8
87991 2000 UK_{6}	15.5	X	241.88009	125.90716	217.38608	3.87364	0.1510073	0.21732165	2.7398959	21	4 4.5	19.9
87992 2000 UL_{7}	15.1	X	162.73567	180.18260	228.99595	2.09309	0.1070729	0.21326031	2.7745722	21	4 9.4	19.2
87993 2000 UM_{10}	14.9	X	165.77980	337.49033	52.65697	13.14422	0.3209361	0.21123630	2.7922675	21	4 6.0	20.1
87994 2000 UA_{11}	14.6	X	283.67699	187.19878	310.97715	9.33565	0.0586151	0.19313968	2.9640694	21	12 22.2	18.5
87995 2000 UF_{12}	15.7	X	220.00119	181.47939	182.29289	3.64365	0.0917617	0.21643515	2.7473723	21	4 12.6	19.8
87996 2000 UP_{21}	15.4	X	179.94234	219.06790	143.18278	4.22676	0.1056375	0.21058280	2.7980413	21	3 1.8	19.6
87997 2000 UG_{24}	15.2	X	225.82051	214.03241	172.46004	5.07468	0.1230299	0.21890496	2.7266683	21	5 16.2	19.4
87998 2000 UY_{27}	15.5	X	158.57543	58.83476	323.38736	2.85827	0.0955618	0.21146023	2.7902959	21	3 2.2	19.6
87999 2000 UX_{28}	15.0	X	99.10110	34.14447	282.69919	9.85453	0.0819347	0.19326926	2.9627444	21	12 28.4	19.4
88000 2000 UB_{36}	14.8	X	333.99635	299.08671	35.99250	14.43355	0.1674253	0.22824273	2.6517836	21	8 5.6	17.8