Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232001 2001 SW_{71}	16.9	X	107.42197	224.02077	156.04221	2.13276	0.2416714	0.26371077	2.4083382	21	1 7.9	19.4
232002 2001 SE_{88}	15.7	X	220.77924	339.69178	317.66060	3.33737	0.1643098	0.17429366	3.1740590	21	1 27.1	20.8
232003 2001 SA_{104}	15.4	X	251.34461	322.00301	297.04514	3.34666	0.1248513	0.17281601	3.1921263	21	1 12.3	20.4
232004 2001 SS_{117}	16.4	X	104.84380	218.89760	247.98230	4.26983	0.1127473	0.27775864	2.3264354	21	4 9.3	19.2
232005 2001 SP_{122}	15.5	X	15.88046	130.04314	191.54664	16.31168	0.1138790	0.19732114	2.9220455	21	9 23.4	18.9
232006 2001 SZ_{127}	15.3	X	280.58358	297.62068	350.39219	8.63111	0.1413437	0.18048343	3.1010671	21	3 13.2	19.9
232007 2001 SR_{134}	17.5	X	226.03963	157.00066	201.39151	2.21976	0.2074095	0.28009357	2.3134882	21	4 1.2	21.2
232008 2001 SC_{140}	14.9	X	278.51050	256.92371	7.41651	14.58803	0.2491962	0.17721061	3.1391319	21	2 5.9	20.1
232009 2001 SZ_{180}	15.0	X	241.53450	121.43713	158.50649	19.40602	0.0832088	0.17600146	3.1534930	21	1 27.6	19.9
232010 2001 SD_{181}	15.5	X	241.49868	108.34908	168.72090	1.48573	0.1475448	0.17612840	3.1519777	21	1 21.7	20.6
232011 2001 SQ_{193}	17.2	X	78.95505	251.73427	357.48575	5.24931	0.0907343	0.29643954	2.2276415	21	9 25.3	19.7
232012 2001 SB_{200}	17.3	X	115.15032	298.44963	172.77640	5.87984	0.0729274	0.27972750	2.3155062	21	4 26.8	20.1
232013 2001 SJ_{206}	16.8	X	93.24408	168.23364	0.04940	6.82754	0.0664170	0.28500744	2.2868197	21	6 13.8	19.7
232014 2001 SV_{245}	17.1	X	172.44946	221.87360	178.85720	4.04377	0.1589651	0.27518874	2.3408969	21	4 7.4	20.5
232015 2001 SG_{256}	17.5	X	305.80139	159.41807	168.19016	3.94117	0.1842381	0.28652870	2.2787183	21	5 21.8	20.0
232016 2001 SV_{262}	17.2	X	221.34389	102.81909	324.10640	18.41944	0.1395767	0.38522860	1.8706406	21	7 2.9	19.8
232017 2001 SZ_{264}	17.1	X	158.50721	261.07713	101.67861	2.48978	0.1865572	0.26987316	2.3715352	21	2 7.4	20.5
232018 2001 SF_{271}	15.4	X	176.77429	153.73748	193.73005	4.08802	0.1640434	0.17167390	3.2062683	21	2 15.3	20.6
232019 2001 SE_{301}	16.4	X	302.63135	131.41134	271.67186	4.48559	0.1149384	0.24496604	2.5296793	21	9 14.9	19.2
232020 2001 SB_{321}	17.2	X	61.26522	266.32488	9.64796	5.00600	0.2042199	0.29774723	2.2211142	21	10 25.8	20.0
232021 2001 SC_{330}	17.5	X	77.80951	216.29507	208.34387	0.51187	0.1721733	0.26723986	2.3870887	21	1 6.9	19.3
232022 2001 SJ_{347}	16.8	X	99.17237	134.89030	332.19223	7.21030	0.0585839	0.27524985	2.3405503	21	3 22.9	19.6
232023 2001 TP_{13}	16.4	X	87.34287	351.50461	96.41382	7.18564	0.2068560	0.26920801	2.3754400	21	3 9.2	18.9
232024 2001 TL_{32}	16.8	X	107.70400	43.89998	347.99614	6.58020	0.1895630	0.26379486	2.4078263	21	1 17.9	19.5
232025 2001 TD_{33}	16.3	X	162.79700	40.11167	335.46989	6.55758	0.1198557	0.26926055	2.3751309	21	2 21.3	19.6
232026 2001 TT_{41}	16.4	X	48.52713	90.32301	348.91526	6.55009	0.2996801	0.25808975	2.4431805	21	—	—
232027 2001 TZ_{42}	15.6	X	319.82338	132.48027	281.41507	11.24882	0.2678266	0.24239903	2.5475074	21	10 16.6	17.7
232028 2001 TN_{53}	17.2	X	91.43802	327.31716	91.97531	2.45302	0.1690919	0.26648513	2.3915937	21	1 24.7	19.6
232029 2001 TY_{94}	16.7	X	122.44254	40.41179	347.36830	4.82055	0.2013595	0.26705860	2.3881687	21	2 2.4	19.7
232030 2001 TY_{95}	16.7	X	174.73048	110.51933	254.51812	4.05906	0.1594493	0.27191807	2.3596305	21	2 21.0	20.3
232031 2001 TF_{96}	17.1	X	284.77557	18.63132	298.19216	1.49714	0.1939182	0.28258227	2.2998850	21	4 4.6	20.4
232032 2001 TW_{125}	16.5	X	0.11846	341.26060	312.49375	7.90200	0.1662099	0.28977724	2.2616559	21	7 26.0	17.8
232033 2001 TA_{144}	17.2	X	76.47425	348.26113	98.44882	3.53963	0.1803915	0.26755438	2.3852176	21	2 8.6	19.2
232034 2001 TL_{148}	15.1	X	358.43225	157.87865	57.12400	12.47358	0.0197952	0.17639871	3.1487568	21	4 11.7	19.5
232035 2001 TE_{154}	16.7	X	265.14475	198.80715	118.47269	6.61627	0.1844480	0.28157679	2.3053568	21	3 20.2	20.1
232036 2001 TH_{163}	17.2	X	80.81997	66.64257	18.93266	3.59454	0.1153889	0.26892989	2.3770775	21	2 5.9	19.6
232037 2001 TL_{187}	16.6	X	59.62860	127.44987	331.55417	5.87193	0.0993810	0.26510933	2.3998607	21	1 18.7	19.0
232038 2001 TY_{189}	16.8	X	100.93967	56.81038	356.29336	4.61711	0.0992464	0.26542777	2.3979409	21	1 21.7	19.5
232039 2001 TZ_{191}	16.6	X	205.59024	11.67702	318.94439	3.85736	0.2740000	0.27199326	2.3591956	21	2 11.3	20.8
232040 2001 TP_{205}	16.6	X	178.21944	261.19034	97.97962	8.78132	0.1435015	0.27202001	2.3590410	21	2 20.8	20.2
232041 2001 TR_{217}	17.0	X	107.85974	147.50949	306.18406	3.04984	0.1760201	0.27320300	2.3522261	21	4 5.7	20.0
232042 2001 TH_{219}	16.8	X	280.22174	209.70813	97.23952	3.72867	0.1827613	0.28080670	2.3095697	21	3 21.9	20.0
232043 2001 TB_{222}	17.2	X	113.33589	77.97881	338.46558	3.48101	0.1389000	0.26822013	2.3812691	21	2 17.9	19.9
232044 2001 TS_{253}	15.3	X	259.77878	123.15000	131.62542	6.59299	0.1302213	0.17035834	3.2227537	21	1 15.0	20.4
232045 2001 TB_{258}	17.2	X	143.89831	274.33610	153.02786	6.60146	0.0775063	0.27648780	2.3335587	21	4 4.9	20.3
232046 2001 UQ_{2}	16.8	X	91.41899	273.09287	124.16323	2.92673	0.2468801	0.26162281	2.4211348	21	1 6.6	18.8
232047 2001 UU_{8}	17.2	X	73.13619	19.76711	17.61356	2.74992	0.1837763	0.26038975	2.4287723	21	—	—
232048 2001 UB_{11}	16.0	X	13.70603	289.77189	70.68521	12.38553	0.1254829	0.24574820	2.5243088	21	11 24.0	18.7
232049 2001 UA_{13}	16.7	X	104.89167	301.23060	96.40244	3.33258	0.1992706	0.26380326	2.4077753	21	1 21.8	19.3
232050 2001 UG_{26}	16.5	X	175.71954	23.43048	353.43147	5.91842	0.1248260	0.27253471	2.3560699	21	3 8.8	19.7
232051 2001 UZ_{28}	16.4	X	117.26236	34.32868	48.00236	6.94072	0.0998518	0.27299174	2.3534395	21	3 26.6	19.4
232052 2001 UK_{40}	17.6	X	54.55496	273.74206	161.50248	2.86032	0.1808318	0.26217870	2.4177113	21	—	—
232053 2001 UQ_{72}	16.0	X	77.06458	352.62820	97.63115	12.66828	0.2045663	0.26626572	2.3929073	21	2 23.2	18.4
232054 2001 UT_{86}	17.5	X	44.31468	64.72391	0.86320	1.27828	0.1556313	0.25920212	2.4361855	21	—	—
232055 2001 UU_{87}	17.5	X	61.18303	39.13102	53.58813	1.99050	0.1923654	0.26566999	2.3964832	21	1 17.8	19.2
232056 2001 UW_{94}	16.7	X	331.02391	318.33681	80.50084	10.46849	0.2031471	0.24580124	2.5239457	21	11 6.3	18.8
232057 2001 UB_{98}	17.6	X	149.62700	209.43908	138.32204	1.78708	0.2034543	0.26661330	2.3908271	21	1 12.2	21.0
232058 2001 UL_{108}	17.4	X	46.55379	38.58247	48.48218	1.27977	0.2038113	0.26118852	2.4238179	21	—	—
232059 2001 UP_{108}	16.3	X	36.27995	51.98195	53.80188	14.91980	0.1360561	0.26213662	2.4179700	21	—	—
232060 2001 UF_{118}	16.6	X	48.73976	246.81186	201.30111	3.75244	0.1616069	0.26163034	2.4210884	21	—	—
232061 2001 UW_{126}	16.6	X	78.21323	354.90191	83.78814	5.95461	0.2044369	0.26515829	2.3995653	21	2 5.3	18.7
232062 2001 UA_{144}	17.3	X	68.41904	44.51110	64.23407	3.19329	0.1852538	0.26683148	2.3895237	21	2 27.9	19.3
232063 2001 UZ_{150}	16.7	X	56.29263	3.29625	79.92970	4.28879	0.1214934	0.26190991	2.4193652	21	—	—
232064 2001 UM_{206}	17.5	X	87.87718	119.02953	321.95911	1.72226	0.1879098	0.26860255	2.3790083	21	2 20.8	19.8
232065 2001 UW_{207}	15.4	X	45.17369	135.32438	31.80840	15.80753	0.1538616	0.17446628	3.1719650	21	4 20.6	19.1
232066 2001 UN_{220}	16.5	X	26.71163	114.05140	29.53377	4.79904	0.1956443	0.26506865	2.4001063	21	1 18.1	18.4
232067 2001 UR_{220}	15.2	X	328.96501	38.25714	251.30966	4.14395	0.1347458	0.18177086	3.0864071	21	5 19.9	18.9
232068 2001 VM_{2}	17.7	X	166.92624	43.78733	55.03374	23.43304	0.0725393	0.38045061	1.8862700	21	6 5.9	19.9
232069 2001 VE_{9}	16.4	X	171.83127	73.71818	266.39080	4.33333	0.2502305	0.26727549	2.3868765	21	1 26.8	20.2
232070 2001 VA_{17}	16.9	X	165.32732	49.61924	312.26145	12.84261	0.2649708	0.27061669	2.3671893	21	2 16.2	20.8
232071 2001 VS_{17}	16.8	X	60.53286	61.00549	22.16906	2.43234	0.1873992	0.26299690	2.4126943	21	1 1.7	18.6
232072 2001 VE_{19}	17.1	X	61.56586	179.32075	249.82249	2.00552	0.1619224	0.26153112	2.4217007	21	—	—
232073 2001 VN_{22}	17.2	X	215.58353	313.96728	33.09439	2.69733	0.2494894	0.27495602	2.3422176	21	3 10.8	21.2
232074 2001 VH_{40}	16.3	X	15.36617	59.08306	64.41926	7.39188	0.0711996	0.26022002	2.4298283	21	—	—
232075 2001 VZ_{47}	15.0	X	50.28259	314.77562	23.07503	2.39666	0.1704173	0.24733018	2.5135333	21	12 20.9	18.5
232076 2001 VS_{53}	16.7	X	130.46923	132.87118	253.36360	4.56897	0.1259062	0.26702539	2.3883667	21	1 27.7	19.7
232077 2001 VY_{103}	17.0	X	45.32313	183.53727	295.71033	1.52011	0.1644125	0.26416922	2.4055510	21	1 22.2	18.9
232078 2001 VV_{104}	17.3	X	98.76068	35.74596	52.74396	2.02042	0.1497489	0.26860516	2.3789929	21	3 15.7	20.1
232079 2001 VQ_{113}	14.6	X	238.54069	292.78853	62.37952	27.25702	0.1534149	0.17661103	3.1462327	21	4 28.8	19.8
232080 2001 VW_{113}	16.4	X	309.36317	45.03966	43.04634	7.37659	0.1158801	0.24684325	2.5168377	21	12 2.6	18.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232081 2001 WD_{14}	15.8	X	323.30948	269.24265	152.20197	6.73101	0.2428959	0.24330541	2.5411767	21	11 20.2	17.7
232082 2001 WS_{26}	17.1	X	32.61944	288.29415	159.35794	1.66124	0.1518331	0.25920803	2.4361484	21	—	—
232083 2001 WS_{44}	17.5	X	151.25159	213.35412	182.42456	2.11591	0.2067605	0.27018140	2.3697312	21	3 14.9	21.1
232084 2001 WS_{47}	15.3	X	218.25387	317.02221	95.22633	11.09419	0.0976197	0.18131471	3.0915815	21	6 12.2	20.1
232085 2001 WC_{49}	17.4	X	40.20582	103.80262	356.56489	0.98882	0.1516739	0.26057148	2.4276428	21	—	—
232086 2001 WL_{54}	17.2	X	66.89030	79.81161	37.25835	5.40450	0.1844979	0.26725426	2.3870030	21	3 10.3	19.3
232087 2001 WW_{84}	16.7	X	160.41227	232.08652	85.74606	3.81055	0.2063954	0.26200084	2.4188054	21	—	—
232088 2001 WA_{94}	15.3	X	150.68719	23.67630	70.10118	4.09563	0.2194917	0.12586885	3.9432763	21	6 2.1	21.7
232089 2001 WP_{98}	15.1	X	249.62517	159.88762	203.63132	12.61031	0.1284481	0.17941339	3.1133850	21	5 13.9	19.9
232090 2001 XY_{16}	16.7	X	271.78426	73.49541	14.55756	3.76966	0.1658054	0.23991001	2.5650971	21	9 24.0	19.6
232091 2001 XC_{31}	17.1	X	246.31338	91.54896	296.14989	19.01308	0.1427097	0.38006249	1.8875540	21	5 29.1	19.7
232092 2001 XS_{33}	16.9	X	121.70074	248.27593	106.51755	2.48929	0.1858857	0.25988250	2.4319316	21	—	—
232093 2001 XV_{46}	15.5	X	278.14228	138.23527	0.38995	9.05484	0.0906605	0.24475486	2.5311342	21	12 23.5	18.6
232094 2001 XP_{54}	17.1	X	50.55198	24.91912	71.51337	2.51168	0.1515241	0.26115539	2.4240229	21	—	—
232095 2001 XV_{91}	17.0	X	28.08801	60.65129	52.75844	3.02615	0.1325781	0.26093614	2.4253806	21	—	—
232096 2001 XN_{107}	16.7	X	58.31975	58.12939	73.91159	7.03526	0.0738562	0.26684966	2.3894152	21	3 5.6	19.4
232097 2001 XH_{110}	17.1	X	37.70235	208.42623	225.57456	2.23819	0.1868709	0.25808305	2.4432227	21	—	—
232098 2001 XR_{132}	17.0	X	303.92537	172.75159	234.22701	5.18050	0.2106564	0.24126765	2.5554653	21	9 8.4	19.6
232099 2001 XY_{133}	17.4	X	25.93606	42.25589	83.18848	1.92148	0.1679496	0.26076636	2.4264332	21	—	—
232100 2001 XG_{141}	17.4	X	21.95876	352.98137	138.38415	1.80117	0.1375243	0.26167388	2.4208198	21	—	—
232101 2001 XR_{143}	17.0	X	325.17550	290.59507	76.84957	6.34571	0.2616028	0.24157858	2.5532721	21	8 23.8	19.0
232102 2001 XV_{178}	16.2	X	344.86754	131.23619	256.69737	4.26994	0.1484493	0.24190964	2.5509421	21	11 12.1	18.5
232103 2001 XN_{204}	17.0	X	23.43595	319.29031	117.21574	5.95690	0.1667922	0.25587454	2.4572612	21	—	—
232104 2001 XQ_{206}	16.6	X	90.39933	244.72021	133.87983	5.16302	0.1931396	0.25878022	2.4388326	21	—	—
232105 2001 XT_{217}	17.5	X	157.40488	130.24696	283.62444	17.21429	0.1170439	0.36907698	1.9248257	21	3 13.2	20.3
232106 2001 XK_{220}	17.4	X	61.60792	39.49093	7.75931	2.35850	0.2144009	0.25852764	2.4404209	21	—	—
232107 2001 XP_{224}	17.2	X	300.53761	17.38421	70.22926	20.62750	0.1940181	0.24501080	2.5293712	21	11 13.5	19.7
232108 2001 XV_{236}	17.1	X	357.62982	122.40809	17.81720	1.38999	0.1322087	0.25828379	2.4419567	21	—	—
232109 2001 XS_{253}	17.0	X	52.48761	316.82517	82.66135	4.21305	0.1891705	0.25492718	2.4633453	21	—	—
232110 2001 XH_{258}	17.1	X	72.50592	260.05027	146.13835	3.98630	0.2002343	0.25963043	2.4335054	21	—	—
232111 2001 XD_{267}	16.3	X	237.86539	53.59029	44.84553	14.53582	0.1917796	0.23388617	2.6089536	21	8 30.1	20.5
232112 2001 YK_{7}	17.0	X	147.47957	53.28164	349.24103	6.27922	0.1437047	0.26898804	2.3767349	21	3 13.4	20.3
232113 2001 YN_{35}	16.3	X	344.03567	35.76498	328.40416	3.32773	0.1462796	0.24133564	2.5549853	21	10 4.9	18.7
232114 2001 YE_{50}	16.3	X	56.88385	27.20485	69.06480	3.54665	0.1383473	0.26122774	2.4235753	21	1 12.1	18.5
232115 2001 YU_{56}	17.0	X	20.64179	207.64321	268.80527	0.61763	0.1483684	0.25857019	2.4401531	21	—	—
232116 2001 YO_{67}	16.4	X	20.18359	21.10066	80.13500	5.04016	0.1546973	0.25566914	2.4585772	21	—	—
232117 2001 YN_{88}	16.2	X	286.45996	118.22309	296.51738	1.49636	0.1405538	0.23620617	2.5918422	21	9 2.3	19.4
232118 2001 YW_{122}	16.5	X	7.76025	57.37367	53.38647	9.34172	0.2013558	0.25628409	2.4546427	21	—	—
232119 2001 YW_{141}	17.1	X	72.66917	89.38403	326.16982	4.83684	0.1651048	0.26025276	2.4296245	21	—	—
232120 2001 YC_{146}	16.2	X	354.33481	195.89307	321.32521	3.51599	0.1284038	0.25846926	2.4407883	21	—	—
232121 2002 AP_{24}	16.1	X	282.85882	279.40468	139.97836	10.37826	0.2651992	0.23708959	2.5853999	21	8 14.1	19.0
232122 2002 AC_{43}	16.9	X	37.52932	250.62681	144.61690	4.99366	0.1920066	0.25072778	2.4907745	21	—	—
232123 2002 AR_{50}	16.9	X	8.02431	160.19787	286.06328	4.91952	0.1631387	0.25095635	2.4892619	21	—	—
232124 2002 AK_{85}	16.4	X	65.52124	29.58153	172.18188	6.67482	0.0583231	0.27370863	2.3493284	21	6 21.1	19.2
232125 2002 AG_{105}	17.1	X	61.18059	219.56629	302.70476	3.43847	0.1808710	0.26613373	2.3936984	21	5 3.2	19.5
232126 2002 AE_{114}	16.1	X	205.51315	288.44525	311.95204	5.67891	0.0465799	0.24757229	2.5118943	21	—	—
232127 2002 AU_{134}	16.7	X	21.27206	224.37062	269.12324	4.65697	0.1020811	0.25971175	2.4329974	21	1 1.3	19.2
232128 2002 AS_{137}	16.4	X	44.07388	19.55081	24.31268	3.01119	0.2092635	0.25096721	2.4891901	21	—	—
232129 2002 AN_{141}	16.0	X	332.25882	235.93351	116.69381	9.24122	0.2088770	0.23608103	2.5927580	21	8 21.7	18.2
232130 2002 AZ_{173}	16.5	X	103.33411	32.60704	105.38479	5.98002	0.0355973	0.26960918	2.3730830	21	5 13.5	19.5
232131 2002 AO_{184}	16.5	X	36.84303	34.26438	55.72862	5.78849	0.1758875	0.25559047	2.4590816	21	—	—
232132 2002 AQ_{187}	16.9	X	123.71203	16.17724	117.21817	23.90415	0.0697611	0.37156868	1.9162109	21	6 9.5	19.3
232133 2002 BE_{3}	15.6	X	245.17013	80.84379	7.79084	11.05287	0.2387545	0.23431477	2.6057712	21	8 16.2	19.7
232134 2002 BQ_{20}	17.7	X	124.60408	108.72841	328.61673	17.75098	0.1013701	0.36668926	1.9331724	21	3 6.5	19.7
232135 2002 BS_{27}	16.3	X	25.20663	31.81082	61.85240	7.13430	0.1000888	0.25360375	2.4719078	21	—	—
232136 2002 BP_{28}	16.7	X	251.29745	11.03765	84.03238	15.76511	0.2232667	0.23558655	2.5963848	21	9 5.1	20.8
232137 2002 CE_{1}	17.5	X	196.89135	91.17861	297.16544	17.29648	0.0959663	0.36967349	1.9227545	21	3 22.9	20.4
232138 2002 CF_{3}	16.3	X	55.02368	316.93724	115.03974	11.95382	0.0987968	0.25358180	2.4720504	21	—	—
232139 2002 CR_{4}	17.1	X	64.87344	26.56171	138.98832	23.80123	0.0525823	0.36870172	1.9261315	21	4 25.1	19.5
232140 2002 CF_{7}	15.9	X	236.06817	353.55076	84.58471	35.19982	0.2029810	0.23114077	2.6295716	21	7 22.7	20.4
232141 2002 CR_{13}	16.4	X	293.26376	249.41636	178.85993	0.93767	0.1595295	0.23710592	2.5852811	21	9 30.5	19.3
232142 2002 CQ_{16}	16.3	X	319.51875	232.00815	312.46579	11.72442	0.1292272	0.25573248	2.4581712	21	—	—
232143 2002 CW_{25}	17.0	X	212.88749	76.92556	348.94081	19.55605	0.1212894	0.37585845	1.9016029	21	6 18.4	19.9
232144 2002 CB_{29}	16.8	X	333.70006	108.51449	333.25472	13.47619	0.1526614	0.24512516	2.5285844	21	—	—
232145 2002 CX_{45}	15.7	X	256.50279	249.63005	243.33078	11.03202	0.2209236	0.23937779	2.5688978	21	10 21.7	19.3
232146 2002 CR_{70}	16.9	X	150.89077	136.11753	115.99702	3.45082	0.0178621	0.24062931	2.5599827	21	12 13.9	20.2
232147 2002 CC_{148}	16.3	X	314.81794	126.93911	128.71406	1.25425	0.0179594	0.21354499	2.7721057	21	3 28.8	19.9
232148 2002 CG_{148}	16.6	X	281.06938	284.07192	344.69641	5.83086	0.1102701	0.26058468	2.4275609	21	2 11.5	20.0
232149 2002 CL_{175}	16.8	X	26.50689	268.85379	317.40779	4.88621	0.1543512	0.26886179	2.3774788	21	5 30.3	18.8
232150 2002 CY_{177}	16.7	X	20.51477	302.84321	312.79770	7.88814	0.1114034	0.27284492	2.3542837	21	7 3.3	19.0
232151 2002 CB_{180}	15.8	X	353.19962	142.31496	127.45834	17.59430	0.2445593	0.21817188	2.7327728	21	5 30.4	18.5
232152 2002 CD_{188}	16.6	X	242.32689	120.10719	131.26853	6.64183	0.0867809	0.25155299	2.4853243	21	—	—
232153 2002 CB_{196}	16.7	X	187.06217	142.33574	131.36928	2.06533	0.0552422	0.24728315	2.5138520	21	—	—
232154 2002 CG_{203}	17.0	X	211.62964	99.67057	124.53378	0.80601	0.1223106	0.24206319	2.5498632	21	—	—
232155 2002 CF_{220}	15.9	X	75.10739	338.53823	354.73826	9.41431	0.0860493	0.23883655	2.5727773	21	—	—
232156 2002 CP_{232}	17.0	X	222.81066	118.85924	81.74179	3.08255	0.1916533	0.23997303	2.5646480	21	12 13.8	20.5
232157 2002 CY_{233}	16.2	X	171.81266	271.09672	264.82472	5.00992	0.1144857	0.23006844	2.6377361	21	9 25.6	20.3
232158 2002 CG_{245}	16.3	X	344.80409	164.67244	298.28658	7.80096	0.0987436	0.24610580	2.5218630	21	—	—
232159 2002 CB_{256}	16.3	X	267.22747	263.08119	163.58633	7.59577	0.1782728	0.23386856	2.6090845	21	8 15.3	19.7
232160 2002 CW_{258}	16.1	X	238.42812	316.09959	239.98649	10.79888	0.1995530	0.24256608	2.5463377	21	12 24.8	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232161 2002 CN_{261}	16.1	X	264.63800	347.11867	93.02530	5.19254	0.1566905	0.23450011	2.6043980	21	9 6.2	19.5
232162 2002 CM_{289}	16.1	X	234.13422	195.51168	357.01529	12.67919	0.1398136	0.24327422	2.5413939	21	12 25.1	19.7
232163 2002 CH_{294}	16.1	X	313.65575	119.98333	351.22127	12.34141	0.0338582	0.24523102	2.5278567	21	—	—
232164 2002 CT_{299}	15.5	X	259.17934	199.17249	217.30672	13.41284	0.2359734	0.23091315	2.6312994	21	7 12.8	19.8
232165 2002 CC_{308}	15.4	X	196.49479	336.21217	105.43147	4.09480	0.2204249	0.12378707	3.9873637	21	6 23.1	22.0
232166 2002 DE_{4}	17.0	X	69.10246	47.88839	113.65836	24.37470	0.0585404	0.36767984	1.9296987	21	5 1.7	19.5
232167 2002 DC_{10}	16.6	X	69.00878	164.14718	355.17912	21.05578	0.0506437	0.36823765	1.9277494	21	4 2.5	18.4
232168 2002 EF_{3}	16.2	X	28.58869	81.39679	342.35992	14.58666	0.1116195	0.24555139	2.5256575	21	—	—
232169 2002 EE_{16}	16.4	X	216.44663	291.27300	314.09177	5.87445	0.1453800	0.24140372	2.5545049	21	—	—
232170 2002 EP_{22}	16.4	X	208.96730	201.33711	45.32956	6.37716	0.2320888	0.24109144	2.5567103	21	—	—
232171 2002 EV_{23}	16.6	X	37.53220	174.51530	172.54364	6.96161	0.0790021	0.23446386	2.6046664	21	12 1.8	20.1
232172 2002 EH_{28}	16.8	X	12.38712	49.31333	155.84989	12.62341	0.1467823	0.26184543	2.4197624	21	3 30.9	19.0
232173 2002 EQ_{38}	17.0	X	0.51904	75.82193	353.06175	2.75779	0.0856082	0.24435026	2.5339274	21	—	—
232174 2002 EV_{53}	15.4	X	121.65069	154.29155	181.59107	2.83020	0.2085320	0.24401261	2.5362644	21	—	—
232175 2002 EA_{55}	15.9	X	134.97890	277.59383	0.61415	8.46060	0.0840872	0.23571320	2.5954547	21	12 27.3	19.9
232176 2002 EK_{58}	16.8	X	309.85615	314.25749	169.39741	7.15370	0.1536865	0.24410970	2.5355919	21	—	—
232177 2002 ED_{62}	16.5	X	251.32409	174.89165	337.87729	6.67662	0.0646000	0.23789123	2.5795884	21	12 4.6	19.9
232178 2002 EV_{64}	17.1	X	289.25461	299.87743	191.79530	4.09530	0.2006817	0.24150749	2.5537731	21	12 18.6	19.5
232179 2002 EQ_{65}	16.3	X	167.77767	80.00562	184.47759	8.52195	0.1382822	0.23836966	2.5761357	21	—	—
232180 2002 ET_{65}	15.9	X	240.25044	228.14427	345.98675	14.80993	0.0582232	0.24306336	2.5428635	21	—	—
232181 2002 EP_{68}	16.3	X	216.53811	244.91239	355.63398	10.15558	0.0702542	0.24259235	2.5461539	21	—	—
232182 2002 ET_{73}	16.1	X	228.45616	238.06739	359.72868	7.85844	0.1111564	0.24245872	2.5470893	21	—	—
232183 2002 ET_{87}	16.2	X	163.05104	47.67873	165.47620	9.64135	0.0602680	0.23135833	2.6279229	21	11 8.8	20.1
232184 2002 EP_{102}	15.8	X	65.97706	349.11567	310.95426	10.57333	0.0827983	0.23123345	2.6288690	21	11 2.2	19.6
232185 2002 EW_{121}	16.4	X	223.97232	81.65668	152.19628	6.69014	0.1625103	0.24496092	2.5297145	21	—	—
232186 2002 EZ_{125}	17.1	X	237.57361	84.78730	139.72378	5.07760	0.1215651	0.24524248	2.5277779	21	—	—
232187 2002 EM_{138}	17.1	X	325.36844	293.63951	161.51513	5.41725	0.1614315	0.24175317	2.5520426	21	—	—
232188 2002 EG_{139}	16.7	X	326.07165	16.86863	33.56134	4.00792	0.0931190	0.23407498	2.6075505	21	11 7.0	19.6
232189 2002 FM_{4}	15.6	X	77.71303	19.16916	186.07632	11.61218	0.2088320	0.21582275	2.7525670	21	8 3.4	19.7
232190 2002 FZ_{22}	15.9	X	63.97529	110.34883	356.74671	5.99463	0.0385191	0.20313982	2.8659768	21	2 15.4	19.6
232191 2002 FK_{25}	15.8	X	89.42248	130.59566	103.70337	12.94304	0.1980623	0.22287026	2.6942298	21	10 1.4	20.1
232192 2002 FP_{37}	16.0	X	312.15755	19.75972	65.17812	10.25597	0.0963032	0.23790371	2.5794982	21	12 2.3	18.6
232193 2002 FY_{37}	16.6	X	209.52130	111.87888	98.65461	9.82730	0.1638640	0.23729955	2.5838747	21	12 15.2	20.4
232194 2002 GJ	16.1	X	201.48142	127.39507	152.49073	11.96506	0.2702372	0.24315814	2.5422027	21	—	—
232195 2002 GG_{2}	17.0	X	87.65476	35.17800	18.66201	15.72157	0.1234108	0.35141162	1.9888040	21	—	—
232196 2002 GR_{17}	15.5	X	213.94686	204.28045	33.90352	13.17649	0.1758964	0.23834929	2.5762825	21	—	—
232197 2002 GT_{54}	16.5	X	307.45843	273.98519	192.19356	9.07525	0.1673327	0.23857041	2.5746903	21	12 20.7	19.2
232198 2002 GX_{59}	15.7	X	307.32304	272.74870	206.42291	27.44936	0.2604462	0.24212747	2.5494119	21	12 30.9	18.5
232199 2002 GS_{60}	16.1	X	151.12926	272.56707	344.38634	11.81239	0.1311620	0.23315335	2.6144175	21	12 15.9	20.4
232200 2002 GX_{63}	17.1	X	208.25452	74.15493	179.10275	4.85452	0.1785393	0.23922402	2.5699984	21	—	—
232201 2002 GM_{90}	16.7	X	273.68321	325.34675	194.25985	3.52794	0.0564159	0.23868394	2.5738738	21	—	—
232202 2002 GP_{90}	16.9	X	264.52361	10.79455	162.87787	4.51627	0.1417729	0.24023381	2.5627916	21	—	—
232203 2002 GY_{100}	16.5	X	223.52146	240.83735	14.58952	14.37427	0.1549591	0.24319955	2.5419141	21	—	—
232204 2002 GX_{104}	16.3	X	297.96644	332.06162	170.57305	13.53330	0.1237890	0.23889390	2.5723655	21	—	—
232205 2002 GK_{106}	15.6	X	53.26992	159.04218	154.13569	12.90364	0.2024220	0.22543329	2.6737698	21	11 26.8	19.6
232206 2002 GN_{107}	16.5	X	220.83771	74.15862	160.71507	12.14024	0.2053112	0.24016215	2.5633014	21	—	—
232207 2002 GO_{111}	16.2	X	126.64437	90.91087	169.16536	10.01459	0.0579452	0.23010680	2.6374430	21	11 25.9	20.1
232208 2002 GM_{123}	15.4	X	180.26071	34.98820	130.51406	15.51499	0.0244230	0.22701613	2.6613270	21	10 3.0	19.4
232209 2002 GC_{142}	16.3	X	143.42613	116.15547	188.09771	3.75590	0.2729440	0.23408815	2.6074527	21	—	—
232210 2002 GP_{144}	16.1	X	239.65027	344.72642	154.04802	15.13351	0.2370058	0.23293191	2.6160742	21	10 13.2	20.2
232211 2002 GR_{147}	16.0	X	329.20937	341.86450	83.29819	5.25887	0.1227518	0.23523629	2.5989615	21	12 4.0	18.5
232212 2002 GD_{166}	16.1	X	190.35642	46.35153	148.63313	12.32263	0.1301255	0.23084131	2.6318453	21	11 12.5	20.4
232213 2002 GT_{168}	16.4	X	249.67781	254.45743	317.32187	3.39180	0.0826273	0.24125725	2.5555387	21	—	—
232214 2002 HK_{11}	16.5	X	200.51697	62.02601	150.06331	12.01401	0.1971338	0.23495286	2.6010511	21	12 6.4	20.8
232215 2002 HS_{11}	15.3	X	177.47131	94.31172	169.40853	27.29797	0.2399490	0.23304437	2.6152325	21	—	—
232216 2002 HV_{11}	15.6	X	148.11498	133.25650	131.68083	31.21839	0.3163195	0.23216762	2.6218124	21	12 25.3	20.9
232217 2002 HF_{13}	15.5	X	256.67971	79.75410	137.44559	24.60699	0.1030888	0.24277726	2.5448609	21	—	—
232218 2002 HZ_{14}	17.1	X	151.62399	92.55373	152.13789	2.67588	0.1790995	0.23117533	2.6293096	21	12 1.8	21.6
232219 2002 JN_{9}	17.0	X	135.21811	190.93322	100.20168	1.00881	0.0865174	0.23265750	2.6181308	21	—	—
232220 2002 JZ_{31}	17.2	X	147.20971	69.61988	122.36402	2.71582	0.1622747	0.27450193	2.3447999	21	9 29.7	20.8
232221 2002 JF_{99}	16.3	X	280.43122	59.82231	109.23284	13.91253	0.1771845	0.24163420	2.5528803	21	—	—
232222 2002 JG_{99}	16.0	X	211.93564	91.12677	117.35832	13.60584	0.1419034	0.23563317	2.5960423	21	12 18.1	19.9
232223 2002 JP_{120}	16.2	X	246.10122	31.55627	148.80392	13.59731	0.1248554	0.23662727	2.5887664	21	12 25.7	19.8
232224 2002 JX_{120}	16.4	X	126.80989	50.84367	120.30147	11.37546	0.2433991	0.21887280	2.7269354	21	8 17.1	21.0
232225 2002 JZ_{121}	15.7	X	253.72017	27.03784	126.10335	14.02554	0.1157871	0.23344223	2.6122602	21	12 3.9	19.3
232226 2002 JS_{134}	16.1	X	254.49349	20.42516	33.57765	6.18518	0.0378525	0.21813661	2.7330674	21	8 5.5	19.9
232227 2002 JX_{135}	16.8	X	149.94238	306.94324	298.35280	2.39770	0.0933288	0.22985611	2.6393603	21	11 30.8	20.9
232228 2002 KG_{14}	16.6	X	255.22340	25.31632	173.03365	12.69631	0.2346554	0.23885174	2.5726682	21	—	—
232229 2002 KL_{15}	16.5	X	138.92394	130.07181	101.73052	2.64153	0.1513898	0.22550648	2.6731913	21	11 5.1	20.7
232230 2002 LP_{2}	15.9	X	277.85902	10.99318	218.46659	8.74044	0.1736122	0.24384155	2.5374505	21	—	—
232231 2002 LD_{21}	15.8	X	245.00869	12.15071	267.77471	12.29773	0.2545602	0.24216236	2.5491670	21	1 13.1	20.4
232232 2002 LM_{53}	15.9	X	28.32722	127.33848	148.60008	8.60530	0.2978386	0.21240934	2.7819777	21	9 13.7	18.6
232233 2002 LE_{61}	16.1	X	296.26462	204.00037	147.27014	6.63327	0.0875486	0.21146946	2.7902146	21	6 28.3	19.8
232234 2002 NL_{5}	15.4	X	89.74093	282.13980	122.61381	15.47549	0.2900175	0.18014186	3.1049858	21	2 12.1	19.5
232235 2002 NT_{14}	15.5	X	151.43257	30.68980	326.87673	8.41332	0.2763595	0.18311087	3.0713311	21	2 12.9	20.8
232236 2002 NO_{19}	15.6	X	49.10260	128.98103	131.70311	16.22649	0.2461875	0.21065843	2.7973716	21	9 21.2	19.3
232237 2002 NK_{37}	16.1	X	167.22656	88.99163	169.46435	9.59401	0.1625943	0.22672979	2.6635672	21	12 30.3	20.6
232238 2002 NA_{45}	16.2	X	149.20907	92.50530	150.07147	12.76353	0.2329218	0.22279805	2.6948119	21	11 28.5	21.1
232239 2002 ND_{60}	16.3	X	178.28986	52.18057	296.91820	3.13434	0.1691432	0.18611840	3.0381544	21	2 17.3	21.2
232240 2002 NG_{66}	16.2	X	181.60424	58.78195	304.96367	7.91632	0.1161761	0.18996549	2.9969965	21	3 4.6	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232241 2002 OA_{7}	15.3	X	183.36347	68.06590	291.67817	15.95159	0.1491497	0.18663242	3.0325734	21	2 26.7	20.4
232242 2002 OH_{8}	15.1	X	80.96248	98.47589	306.19750	24.60783	0.2364242	0.17773651	3.1329367	21	1 22.7	18.9
232243 2002 OG_{27}	16.2	X	174.48694	239.47319	143.37183	3.36758	0.1027176	0.19136369	2.9823803	21	3 23.6	20.8
232244 2002 PU_{2}	15.2	X	62.61404	157.96224	250.46569	12.62594	0.2784270	0.17476170	3.1683893	21	—	—
232245 2002 PZ_{4}	15.3	X	74.49117	173.66139	172.30733	20.20921	0.0737541	0.17038826	3.2223764	21	12 30.3	20.4
232246 2002 PT_{14}	15.8	X	309.15314	331.13736	300.36458	4.99036	0.0483235	0.19678882	2.9273126	21	4 5.3	20.0
232247 2002 PJ_{19}	15.8	X	220.32567	51.49984	298.05088	8.52163	0.0644520	0.19325907	2.9628486	21	3 24.7	20.4
232248 2002 PB_{20}	15.9	X	72.02281	306.81451	304.53920	13.43780	0.1824145	0.21226927	2.7832014	21	9 17.1	20.1
232249 2002 PT_{24}	15.5	X	145.51192	276.52970	138.00583	17.21710	0.0679587	0.19080352	2.9882147	21	4 2.2	20.1
232250 2002 PG_{31}	15.3	X	148.48505	205.97636	158.39636	10.02832	0.3107554	0.18182668	3.0857754	21	2 20.3	20.6
232251 2002 PO_{62}	16.0	X	130.04837	197.48581	158.74615	0.75999	0.1987024	0.17891109	3.1192095	21	1 17.2	20.6
232252 2002 PZ_{65}	15.2	X	80.38808	101.97823	313.86632	24.64414	0.2696773	0.17752609	3.1354118	21	2 7.3	19.0
232253 2002 PC_{70}	15.4	X	122.16210	97.12696	219.06213	11.08175	0.0856778	0.22511472	2.6762917	21	—	—
232254 2002 PP_{107}	15.7	X	183.72281	23.37797	257.24065	8.22898	0.0556855	0.17788444	3.1311996	21	—	—
232255 2002 PY_{121}	16.1	X	212.04928	268.04114	318.36571	22.97183	0.2602842	0.28079868	2.3096137	21	—	—
232256 2002 PA_{131}	16.2	X	96.69288	187.40393	95.75239	4.55994	0.2274617	0.22059482	2.7127255	21	12 2.3	20.6
232257 2002 PT_{135}	15.8	X	167.74754	15.03827	329.52599	8.74423	0.1462171	0.18271349	3.0757826	21	2 3.9	20.7
232258 2002 PU_{136}	16.3	X	41.42868	355.03218	322.76160	4.83606	0.1498753	0.21511230	2.7586243	21	11 2.9	19.8
232259 2002 PK_{152}	15.7	X	152.43541	79.65135	258.05381	1.57006	0.2160591	0.17855656	3.1233370	21	1 18.1	20.7
232260 2002 PA_{161}	16.0	X	351.55320	116.11171	136.45407	10.75357	0.0658017	0.19866813	2.9088226	21	5 15.2	19.9
232261 2002 PZ_{162}	16.3	X	47.63980	281.01475	3.32635	4.22333	0.0389289	0.21044095	2.7992985	21	9 14.4	19.8
232262 2002 PD_{163}	16.1	X	99.15163	72.52328	147.45339	5.11238	0.0495206	0.20862343	2.8155333	21	8 29.6	20.0
232263 2002 QV_{11}	15.1	X	94.15936	78.22751	318.74484	25.05392	0.2334973	0.17749398	3.1357899	21	2 1.3	19.3
232264 2002 QZ_{19}	15.1	X	196.36118	300.31431	296.31688	8.41726	0.0889081	0.17111412	3.2132571	21	12 28.5	20.0
232265 2002 QY_{26}	16.1	X	258.75234	211.79614	135.66680	9.63450	0.0660971	0.19693383	2.9258754	21	5 12.3	20.4
232266 2002 QM_{38}	16.1	X	51.82430	289.52789	358.10927	4.38191	0.2179400	0.21064866	2.7974581	21	10 19.6	19.9
232267 2002 QS_{49}	15.9	X	160.01266	294.64355	110.20050	3.78401	0.0780635	0.18837067	3.0138886	21	4 3.9	20.4
232268 2002 QH_{51}	15.4	X	41.47858	296.76483	319.05237	14.08294	0.1141409	0.20486757	2.8498406	21	8 8.1	18.8
232269 2002 QG_{77}	16.2	X	187.84921	206.04262	146.70496	4.46753	0.1908629	0.18836668	3.0139312	21	3 3.1	21.3
232270 2002 QD_{79}	16.5	X	291.18334	298.77023	28.49580	2.67564	0.0983574	0.19964480	2.8993282	21	5 18.4	20.3
232271 2002 QE_{93}	15.6	X	152.03401	288.42955	134.20046	11.62767	0.0859215	0.19017705	2.9947735	21	4 20.4	20.3
232272 2002 QS_{99}	15.7	X	294.69608	153.54624	126.66955	9.76302	0.0566574	0.19236876	2.9719832	21	4 3.9	19.9
232273 2002 QR_{103}	15.7	X	275.94568	258.73330	320.82547	5.45780	0.0972847	0.18351135	3.0668610	21	—	—
232274 2002 QU_{103}	15.6	X	236.87251	274.46155	103.75302	6.67082	0.1248852	0.19618774	2.9332887	21	5 18.6	20.1
232275 2002 QN_{136}	16.3	X	114.21284	118.47981	14.76770	1.97959	0.0625299	0.19786524	2.9166862	21	5 27.7	20.3
232276 2002 QC_{138}	16.4	X	116.43518	234.85155	138.82995	1.72648	0.1855175	0.17918052	3.1160818	21	1 21.7	20.9
232277 2002 RW	14.8	X	89.17865	248.71978	159.51644	24.17999	0.2232090	0.17747329	3.1360336	21	2 3.6	19.1
232278 2002 RQ_{20}	17.5	X	286.25378	263.01738	128.38597	4.61564	0.1570777	0.30767518	2.1730734	21	7 31.6	19.6
232279 2002 RV_{41}	15.8	X	98.02495	264.44914	349.78752	15.73247	0.3384544	0.21625826	2.7488703	21	10 31.3	20.9
232280 2002 RB_{59}	15.1	X	50.36344	92.58911	335.37121	14.50753	0.2042498	0.17279870	3.1923395	21	—	—
232281 2002 RK_{73}	15.4	X	32.23185	92.68644	334.96747	13.54344	0.2331506	0.17115768	3.2127119	21	—	—
232282 2002 RS_{73}	16.6	X	162.67301	119.37457	174.01591	6.60766	0.1462529	0.22748192	2.6576928	21	—	—
232283 2002 RD_{74}	15.9	X	80.19292	110.11047	153.43388	5.52125	0.1244746	0.21153239	2.7896613	21	10 13.3	19.9
232284 2002 RE_{128}	14.7	X	133.94860	248.91227	308.42549	27.41487	0.2191496	0.20985428	2.8045132	21	9 6.2	19.9
232285 2002 RK_{129}	15.5	X	166.23581	110.36120	218.01497	11.56617	0.2696386	0.23139547	2.6276417	21	1 13.0	20.2
232286 2002 RU_{129}	14.7	X	109.07761	253.17377	161.14404	26.45260	0.2157285	0.17901272	3.1180288	21	3 7.3	19.2
232287 2002 RV_{138}	15.4	X	21.64842	57.29216	116.26504	11.87986	0.0525222	0.18628099	3.0363864	21	3 20.1	19.5
232288 2002 RO_{165}	15.4	X	59.26642	299.94362	166.18511	5.46584	0.1911294	0.17966309	3.1104996	21	2 26.5	18.8
232289 2002 RT_{178}	16.0	X	38.07676	314.19631	185.06943	5.40756	0.0940974	0.18101011	3.0950487	21	2 24.5	20.0
232290 2002 RE_{180}	15.9	X	147.85360	64.14903	180.11359	8.07518	0.1200948	0.21542104	2.7559879	21	11 27.0	20.3
232291 2002 RR_{181}	18.0	X	19.70782	77.31948	276.67624	2.94544	0.1940035	0.31761509	2.1274954	21	12 21.9	20.3
232292 2002 RD_{192}	15.0	X	194.63023	85.00931	150.56293	9.29335	0.0819383	0.17059964	3.2197141	21	12 25.8	19.9
232293 2002 RJ_{193}	15.3	X	121.30244	253.06611	162.79687	11.39842	0.1172711	0.18324243	3.0698608	21	3 9.5	19.6
232294 2002 RK_{198}	16.0	X	60.59225	23.00521	52.44214	1.98305	0.1738649	0.17589414	3.1547755	21	1 19.9	19.6
232295 2002 RC_{202}	15.9	X	294.91366	271.74225	63.07942	2.86933	0.0906803	0.19931661	2.9025100	21	6 4.0	19.9
232296 2002 RU_{232}	15.6	X	1.52087	215.51788	329.89482	8.49845	0.0486851	0.18597901	3.0396723	21	3 1.2	19.6
232297 2002 RL_{233}	16.3	X	304.41897	150.21978	194.87135	1.49411	0.0842207	0.20187834	2.8779035	21	7 2.3	20.1
232298 2002 RN_{236}	16.0	X	58.05588	301.91239	113.90766	2.03892	0.2068124	0.17346074	3.1842116	21	—	—
232299 2002 RC_{245}	17.9	X	346.34954	216.51189	147.81373	1.68430	0.1087111	0.31409157	2.1433768	21	10 25.2	19.4
232300 2002 RC_{246}	16.3	X	279.09753	200.14020	124.71816	3.16236	0.0876100	0.19650574	2.9301232	21	5 3.2	20.4
232301 2002 RT_{249}	16.4	X	103.63073	10.57053	158.59666	2.43266	0.0088590	0.19937036	2.9019883	21	6 22.9	20.4
232302 2002 RY_{249}	15.5	X	127.37015	257.09984	137.06381	13.39866	0.1079075	0.18119410	3.0929532	21	2 17.7	19.9
232303 2002 RN_{250}	16.0	X	104.30733	95.85781	298.35474	8.15320	0.0911053	0.17975738	3.1094117	21	1 18.9	20.2
232304 2002 RW_{263}	15.6	X	192.42357	266.07676	49.91549	6.12860	0.1182915	0.17923812	3.1154143	21	1 24.2	20.6
232305 2002 RA_{272}	16.5	X	128.61296	250.98836	177.35755	2.15936	0.1103148	0.18750250	3.0231847	21	3 31.2	20.9
232306 2002 RP_{280}	17.6	X	193.17000	108.73452	288.68314	3.42241	0.1060977	0.29736071	2.2230385	21	4 18.1	20.7
232307 2002 SN_{14}	15.7	X	325.03708	265.65760	54.48498	2.74250	0.0839744	0.19959663	2.8997947	21	6 29.9	19.3
232308 2002 TH_{24}	15.4	X	120.08432	38.34551	16.75131	10.41986	0.1247804	0.17983687	3.1084954	21	3 11.2	19.9
232309 2002 TO_{31}	17.9	X	298.89553	214.39031	161.82059	2.74527	0.1807044	0.30587202	2.1816055	21	7 24.6	20.0
232310 2002 TH_{34}	15.5	X	97.20162	273.75136	126.68802	4.39426	0.1651754	0.17478809	3.1680704	21	1 29.0	19.7
232311 2002 TD_{37}	17.1	X	259.36578	184.87449	219.14018	5.47728	0.0558799	0.30308507	2.1949587	21	7 24.8	19.8
232312 2002 TS_{73}	17.3	X	253.81593	62.97317	338.88956	6.47469	0.1995040	0.30198060	2.2003074	21	6 24.9	20.5
232313 2002 TN_{74}	14.9	X	123.41629	266.77984	159.31825	10.09688	0.1340167	0.18269381	3.0760035	21	3 27.7	19.4
232314 2002 TL_{93}	15.2	X	237.02869	18.49279	274.85451	10.21938	0.0927266	0.18295836	3.0730376	21	2 4.3	20.1
232315 2002 TM_{94}	15.9	X	82.40085	221.62737	173.09967	5.70401	0.1644312	0.17344080	3.1844557	21	1 1.8	20.0
232316 2002 TY_{98}	16.3	X	101.64358	140.32143	248.04633	0.10484	0.1768276	0.17519969	3.1631066	21	1 21.6	20.6
232317 2002 TV_{101}	15.7	X	111.39560	151.53092	223.52092	4.56358	0.1697450	0.17473675	3.1686910	21	1 15.5	20.3
232318 2002 TL_{103}	14.7	X	48.73251	108.58676	10.39639	26.14455	0.2240718	0.17618859	3.1512597	21	3 11.4	18.3
232319 2002 TL_{105}	15.2	X	199.05039	73.88312	256.12620	9.12420	0.1016311	0.18370842	3.0646674	21	2 9.4	20.1
232320 2002 TZ_{112}	15.5	X	189.39145	67.95268	276.91857	8.53498	0.0817602	0.18232977	3.0800965	21	2 17.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232321 2002 TM_{113}	15.7	X	136.44344	87.46069	294.66237	9.30980	0.1322435	0.17922163	3.1156053	21	2 13.1	20.5
232322 2002 TR_{128}	15.5	X	142.52622	72.42793	315.24636	8.96481	0.1125312	0.18088378	3.0964897	21	2 24.2	20.3
232323 2002 TA_{138}	16.6	X	314.80580	99.24221	265.65355	6.41846	0.1779813	0.30618857	2.1801016	21	8 6.2	18.2
232324 2002 TN_{142}	15.4	X	150.38612	50.47543	354.42881	6.94909	0.0498120	0.18527814	3.0473331	21	3 20.0	19.7
232325 2002 TH_{149}	16.0	X	198.24647	231.02474	165.29706	0.59729	0.0675866	0.19062322	2.9900986	21	5 2.3	20.5
232326 2002 TV_{150}	15.4	X	0.41121	260.68218	212.54510	4.24245	0.1313736	0.17071857	3.2182185	21	—	—
232327 2002 TU_{163}	15.3	X	144.86588	212.84587	146.28894	18.43115	0.2090389	0.17589276	3.1547921	21	2 4.3	20.5
232328 2002 TK_{169}	14.7	X	139.17092	94.39892	268.36947	10.35099	0.0798161	0.17733339	3.1376828	21	1 19.2	19.3
232329 2002 TV_{169}	15.2	X	35.96745	200.87590	286.87989	13.03747	0.1243123	0.17804084	3.1293655	21	2 5.9	19.0
232330 2002 TY_{182}	16.2	X	75.35890	322.12202	336.40026	7.96052	0.2939710	0.21622611	2.7491428	21	12 6.0	20.8
232331 2002 TT_{186}	17.1	X	354.67155	6.77014	284.80748	4.44424	0.1620637	0.30566457	2.1825925	21	7 7.2	18.2
232332 2002 TZ_{187}	15.6	X	165.95731	24.34775	347.88506	10.19501	0.0878506	0.18323791	3.0699114	21	3 2.1	20.2
232333 2002 TJ_{189}	15.3	X	167.47903	72.04939	319.03387	9.20161	0.0871909	0.18594115	3.0400848	21	3 21.3	20.0
232334 2002 TL_{202}	15.3	X	290.82464	181.22116	142.97444	9.90261	0.0864140	0.19521754	2.9429993	21	5 19.4	19.5
232335 2002 TN_{202}	15.2	X	222.26785	183.50590	141.34490	10.68975	0.0568631	0.18465765	3.0541558	21	3 4.3	19.8
232336 2002 TV_{289}	15.3	X	59.27157	295.78582	42.02478	20.98273	0.1724587	0.21111072	2.7933747	21	12 21.9	19.7
232337 2002 TL_{296}	15.4	X	253.99517	179.01481	150.03042	4.98850	0.0629701	0.18897982	3.0074085	21	4 12.9	19.8
232338 2002 TH_{298}	17.0	X	188.52643	358.13085	4.71217	6.73171	0.1389891	0.28756534	2.2732386	21	3 4.1	20.4
232339 2002 TM_{312}	15.3	X	194.95520	227.89174	139.51671	9.99343	0.1193994	0.18461555	3.0546201	21	3 28.2	20.2
232340 2002 TP_{338}	15.7	X	30.33717	44.30719	63.66187	6.39265	0.1569341	0.17336147	3.1854271	21	1 8.0	19.3
232341 2002 TE_{348}	15.1	X	129.57795	271.30703	131.41171	9.76752	0.1170429	0.17884930	3.1199278	21	3 5.0	19.8
232342 2002 TE_{379}	16.0	X	100.60697	176.95435	255.99209	0.93992	0.0948590	0.17978424	3.1091020	21	3 2.2	20.3
232343 2002 UR_{39}	15.7	X	82.29996	9.03810	38.74395	1.53820	0.1533653	0.17109294	3.2135224	21	1 17.5	19.7
232344 2002 UD_{53}	15.2	X	188.81142	241.85948	59.19761	10.37452	0.0631799	0.17458793	3.1704913	21	—	—
232345 2002 UX_{72}	15.4	X	165.89399	18.71684	346.91779	14.59498	0.2646615	0.18007897	3.1057086	21	3 4.6	20.8
232346 2002 VR_{22}	15.2	X	92.69029	47.83128	45.16474	10.02732	0.0794879	0.17767374	3.1336746	21	3 20.1	19.6
232347 2002 VQ_{40}	17.2	X	316.42538	243.76187	145.21230	7.02879	0.1773730	0.30761175	2.1733722	21	9 29.4	18.5
232348 2002 VA_{60}	15.3	X	111.18441	55.41360	250.52809	6.82009	0.2141087	0.21628150	2.7486733	21	—	—
232349 2002 VS_{67}	16.9	X	317.33329	347.57014	348.91010	4.25524	0.2149850	0.30319326	2.1944365	21	6 18.3	18.7
232350 2002 VR_{79}	16.6	X	216.12257	351.37976	69.82982	9.17993	0.1504201	0.29662567	2.2267095	21	6 14.8	20.0
232351 2002 VM_{120}	15.1	X	19.04612	170.55152	344.36753	8.34985	0.0438355	0.17499527	3.1655695	21	2 19.5	19.3
232352 2002 VB_{143}	17.3	X	154.43683	72.05636	59.99313	3.30180	0.0990130	0.29774367	2.2211319	21	7 16.9	20.2
232353 2002 WR_{2}	15.5	X	286.98642	294.86199	92.67165	13.10032	0.0672127	0.19662422	2.9289461	21	8 8.7	19.5
232354 2002 WO_{15}	17.5	X	184.17096	300.81003	153.05493	4.18244	0.2342193	0.29485043	2.2356383	21	6 26.6	21.2
232355 2002 WC_{20}	15.9	X	133.05693	337.51138	43.79793	2.34255	0.0828157	0.17351853	3.1835046	21	2 7.1	20.4
232356 2002 WB_{23}	15.9	X	303.45414	137.06994	110.13541	3.23678	0.0263245	0.17804628	3.1293018	21	3 8.3	20.2
232357 2002 XT_{16}	15.0	X	131.55296	17.66298	323.41964	10.65656	0.1992604	0.16946554	3.2340629	21	1 4.5	20.0
232358 2002 XW_{49}	15.4	X	325.42724	278.10759	76.25522	12.95320	0.0770263	0.19597909	2.9353702	21	8 22.4	19.3
232359 2002 XS_{52}	16.7	X	81.20246	146.16638	273.84873	8.80547	0.1752836	0.27463589	2.3440373	21	1 4.1	18.7
232360 2002 XB_{67}	15.1	X	159.51760	322.64459	111.60085	19.32493	0.2339663	0.17955286	3.1117724	21	5 22.1	20.7
232361 2002 XC_{70}	15.5	X	105.20516	352.28500	111.71653	11.95211	0.1947497	0.17806529	3.1290790	21	5 4.1	20.3
232362 2002 XG_{87}	17.1	X	233.46019	39.80120	358.47579	4.28963	0.1602950	0.29440649	2.2378852	21	5 31.6	20.4
232363 2002 XT_{91}	17.3	X	214.71315	134.48689	265.57084	2.34883	0.1448341	0.29206937	2.2498076	21	5 15.9	20.7
232364 2002 XW_{103}	16.9	X	141.21012	216.45488	258.33952	6.13163	0.1622524	0.28942157	2.2635085	21	6 11.9	20.2
232365 2002 XN_{109}	17.5	X	235.55923	94.47295	295.06467	3.62484	0.1600268	0.29580526	2.2308248	21	5 21.9	20.8
232366 2002 YX_{26}	17.5	X	175.78147	153.33484	280.65690	5.86109	0.1353317	0.28899352	2.2657430	21	5 21.2	20.9
232367 2003 AZ_{1}	17.0	X	226.69882	228.40976	179.13825	4.96752	0.1581677	0.29352213	2.2423780	21	6 7.8	20.3
232368 2003 AZ_{2}	18.3	X	114.01800	186.90902	131.61305	22.86838	0.2235786	0.58280351	1.4194539	21	—	—
232369 2003 AV_{20}	16.8	X	182.44597	333.81368	70.50335	4.12714	0.2362856	0.28779178	2.2720460	21	4 23.9	20.6
232370 2003 AS_{22}	15.9	X	7.54582	270.14645	312.74573	21.87994	0.2810714	0.27723150	2.3293835	21	3 10.6	17.9
232371 2003 AO_{25}	16.7	X	132.90939	202.48954	276.13959	6.84831	0.0831897	0.28850246	2.2683133	21	5 29.8	19.6
232372 2003 AQ_{34}	16.9	X	188.82008	195.48854	224.24983	5.54621	0.1659687	0.29086482	2.2560146	21	5 16.9	20.2
232373 2003 AF_{62}	17.0	X	185.92099	221.29838	241.85960	4.87028	0.1123252	0.29392365	2.2403353	21	7 11.1	20.2
232374 2003 AA_{87}	16.9	X	207.08817	214.41660	236.16256	6.10789	0.1102082	0.29558155	2.2319502	21	7 17.0	20.0
232375 2003 AA_{90}	15.2	X	110.00048	172.42903	289.48096	15.35929	0.0852197	0.17447206	3.1718949	21	4 10.4	20.1
232376 2003 BU	16.1	X	309.33542	63.63938	94.33862	15.17543	0.0918152	0.26272116	2.4143822	21	—	—
232377 2003 BN_{13}	16.7	X	194.38690	159.98201	255.51350	6.86460	0.1041554	0.28704160	2.2760030	21	5 16.0	19.8
232378 2003 BJ_{15}	17.0	X	86.01317	215.10787	333.75517	4.77983	0.1133400	0.28610931	2.2809445	21	7 13.2	19.8
232379 2003 BT_{17}	17.0	X	169.45691	102.26172	303.36886	3.58065	0.0863663	0.28091885	2.3089549	21	4 2.7	20.2
232380 2003 BD_{33}	16.6	X	125.53046	101.10111	9.19662	8.58987	0.1867529	0.28261469	2.2997091	21	5 19.9	20.0
232381 2003 BP_{43}	17.0	X	136.23593	356.01726	109.90158	2.60807	0.1827637	0.28439172	2.2901192	21	5 27.9	20.2
232382 2003 BT_{47}	17.1	X	33.88010	235.68315	352.49345	7.45677	0.4909040	0.27556382	2.3387722	21	8 29.6	19.1
232383 2003 BV_{49}	16.8	X	112.70892	149.70220	319.33046	10.21133	0.1218674	0.28179584	2.3041619	21	4 20.4	19.9
232384 2003 BW_{49}	16.8	X	155.84426	81.16394	318.93127	6.86811	0.1865827	0.28056939	2.3108718	21	3 19.3	20.3
232385 2003 BS_{51}	17.4	X	93.95577	172.86908	4.54982	1.10782	0.1569288	0.28564291	2.2834267	21	7 13.8	20.3
232386 2003 BA_{54}	17.0	X	355.14261	195.12155	300.68200	4.57973	0.1419445	0.26693900	2.3888820	21	—	—
232387 2003 BM_{58}	17.1	X	40.60030	62.67063	119.86275	4.03547	0.1541457	0.27870252	2.3211798	21	4 21.2	19.0
232388 2003 BN_{61}	16.7	X	157.55161	135.23261	309.45494	4.89921	0.1973726	0.28422315	2.2910246	21	5 20.2	20.3
232389 2003 BP_{62}	17.0	X	165.35883	49.53886	48.85263	5.76679	0.1096963	0.28791436	2.2714011	21	6 11.8	20.2
232390 2003 BU_{67}	16.9	X	100.23957	6.40258	107.35485	3.67883	0.1067897	0.28005287	2.3137124	21	4 15.0	19.6
232391 2003 BC_{84}	16.7	X	66.69158	189.44249	335.08129	4.15056	0.1424210	0.27905857	2.3192050	21	5 8.8	19.0
232392 2003 BF_{85}	17.7	X	156.27383	63.54730	6.45746	1.42969	0.1882617	0.28385499	2.2930051	21	4 29.9	21.1
232393 2003 BB_{88}	14.7	X	127.20364	341.68023	137.09541	9.68124	0.2284200	0.12458775	3.9702618	21	6 13.5	21.1
232394 2003 BK_{88}	14.9	X	93.09478	348.96220	119.59609	12.01198	0.0382796	0.17051467	3.2207836	21	4 4.7	19.6
232395 2003 BU_{89}	16.9	X	42.39296	33.12340	164.43254	10.36223	0.1727255	0.27972053	2.3155446	21	5 23.2	19.1
232396 2003 CD	17.0	X	78.31977	357.37519	128.55196	10.09070	0.1512301	0.27796965	2.3252579	21	4 9.1	19.6
232397 2003 CX_{3}	15.5	X	173.74173	241.42143	139.70769	23.25814	0.2870477	0.27852041	2.3221915	21	3 25.9	19.8
232398 2003 CB_{6}	17.1	X	75.31861	91.67013	83.74775	4.11633	0.1123611	0.28350094	2.2949138	21	6 5.7	19.4
232399 2003 CA_{9}	17.1	X	60.57732	308.86071	265.22893	5.57933	0.2093750	0.28399218	2.2922666	21	7 26.8	19.5
232400 2003 CE_{9}	16.6	X	59.27578	301.42216	291.25578	8.87061	0.1543562	0.28834688	2.2691291	21	8 11.3	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232401 2003 CR_{12}	17.0	X	166.39791	327.12653	89.18365	6.25557	0.1413542	0.28288378	2.2982504	21	4 22.1	20.4
232402 2003 CG_{16}	14.9	X	140.49906	311.97960	153.82003	9.82250	0.2309232	0.12473529	3.9671306	21	6 9.7	21.4
232403 2003 CB_{25}	16.9	X	26.02115	96.34354	109.27202	5.60285	0.1886582	0.27704402	2.3304343	21	4 28.9	18.5
232404 2003 DZ_{1}	17.3	X	119.56575	28.07896	59.87084	9.13740	0.2022457	0.27988939	2.3146132	21	4 20.2	20.4
232405 2003 DH_{11}	17.4	X	34.50017	79.06429	140.74647	2.93871	0.1723708	0.28073158	2.3099817	21	6 9.4	19.1
232406 2003 DA_{19}	17.1	X	51.29188	144.18598	8.12100	3.61363	0.0997122	0.27637478	2.3341949	21	3 19.6	19.2
232407 2003 DD_{22}	16.4	X	20.67774	117.02000	82.27195	7.01525	0.1764433	0.27472302	2.3435417	21	4 6.3	18.2
232408 2003 EY	16.4	X	20.72947	160.81884	25.59006	7.35279	0.2144532	0.27326084	2.3518942	21	3 12.5	17.9
232409 Dubes	16.8	X	282.80826	133.56010	143.87077	7.02746	0.2064914	0.27022370	2.3694839	21	2 11.4	20.4
232410 2003 EQ_{2}	17.4	X	97.05783	325.44343	149.84853	4.15193	0.1830317	0.27878041	2.3207475	21	4 25.2	20.2
232411 2003 EB_{3}	17.2	X	113.86506	22.71412	115.06699	4.84985	0.0841825	0.28409517	2.2917126	21	6 2.7	20.1
232412 2003 EL_{3}	16.7	X	174.84309	294.74012	130.33629	7.14996	0.0777409	0.28280969	2.2986518	21	5 9.7	19.9
232413 2003 EO_{3}	16.6	X	77.54466	109.54201	17.69733	4.85376	0.1249107	0.27686928	2.3314147	21	3 31.7	18.9
232414 2003 EH_{9}	16.9	X	132.16154	306.31130	283.53302	3.46176	0.1413325	0.29660162	2.2268299	21	11 2.1	20.1
232415 2003 EM_{9}	16.7	X	336.77350	319.75561	266.07996	1.11101	0.1729637	0.27109489	2.3644048	21	2 13.7	19.4
232416 2003 EH_{12}	17.0	X	10.53438	9.56302	189.75591	5.38856	0.1959903	0.27268039	2.3552307	21	3 5.5	18.9
232417 2003 EU_{17}	16.5	X	104.67989	15.42334	126.59313	4.25552	0.1705738	0.28047361	2.3113979	21	6 9.3	19.5
232418 2003 EQ_{26}	17.0	X	4.97325	208.50214	1.14483	4.89904	0.1576562	0.27411952	2.3469801	21	3 15.6	19.1
232419 2003 EP_{28}	16.4	X	327.97161	64.71105	154.53059	4.84252	0.1777434	0.26803995	2.3823361	21	1 22.6	19.4
232420 2003 EF_{40}	16.7	X	346.89245	99.40234	159.93223	6.42979	0.2235267	0.27676881	2.3319789	21	4 17.7	18.5
232421 2003 EZ_{42}	16.7	X	35.32358	139.03768	9.13262	5.46290	0.1901749	0.27099196	2.3650034	21	2 14.2	18.5
232422 2003 EQ_{47}	16.9	X	102.40527	196.66299	274.16187	5.91450	0.2080827	0.27792799	2.3254902	21	4 26.3	19.8
232423 2003 EP_{48}	17.1	X	272.74907	139.64331	106.77465	3.21381	0.1559479	0.26400555	2.4065451	21	—	—
232424 2003 EQ_{55}	17.0	X	339.76552	119.71202	118.40671	3.12803	0.1915515	0.27369466	2.3494083	21	3 6.3	19.5
232425 2003 ES_{63}	17.1	X	250.10494	204.13409	59.53865	2.13365	0.1372205	0.26379166	2.4078458	21	—	—
232426 2003 FR_{1}	15.5	X	132.82153	108.29654	123.62245	29.04315	0.2145524	0.24177371	2.5518981	21	11 13.9	20.5
232427 2003 FD_{15}	17.1	X	59.88524	170.49587	354.93983	5.06856	0.1253994	0.27643259	2.3338694	21	4 25.2	19.5
232428 2003 FC_{19}	16.4	X	15.43504	76.85530	109.74410	4.71346	0.1467610	0.27052791	2.3677072	21	3 5.1	18.5
232429 2003 FM_{21}	16.3	X	351.20386	183.30355	47.90059	5.16924	0.1959216	0.27186176	2.3599564	21	3 18.6	18.3
232430 2003 FJ_{26}	16.4	X	355.84353	110.09719	178.48376	7.10295	0.1328383	0.28345802	2.2951454	21	7 4.4	18.5
232431 2003 FH_{36}	17.7	X	46.39719	140.60185	359.84076	1.22950	0.1277682	0.27114604	2.3641074	21	2 23.2	19.9
232432 2003 FW_{40}	16.8	X	1.22228	114.10089	122.84374	6.62433	0.0714004	0.27856926	2.3219200	21	4 29.7	19.3
232433 2003 FL_{50}	17.2	X	36.10016	335.91894	227.86996	1.37503	0.1483746	0.27796310	2.3252944	21	5 13.8	19.1
232434 2003 FJ_{56}	17.3	X	41.48912	183.54642	25.44216	3.12133	0.1071136	0.27996052	2.3142211	21	5 27.9	19.4
232435 2003 FP_{62}	17.1	X	325.75325	66.88337	86.83120	2.03254	0.1413971	0.26079474	2.4262571	21	—	—
232436 2003 FB_{65}	16.9	X	349.84079	132.15342	61.06383	5.46424	0.1225024	0.26874412	2.3781728	21	1 30.5	19.5
232437 2003 FH_{65}	16.9	X	105.86034	68.52015	53.75712	3.96010	0.1714358	0.27825321	2.3236779	21	5 13.6	19.9
232438 2003 FH_{71}	16.9	X	315.16479	115.86031	152.76674	4.15221	0.1303265	0.27301728	2.3532928	21	3 21.6	19.6
232439 2003 FE_{72}	16.8	X	343.13141	105.98777	113.00454	6.18639	0.1154355	0.27034854	2.3687544	21	2 26.2	19.3
232440 2003 FB_{78}	17.2	X	334.05701	89.24321	135.31544	2.60310	0.1866494	0.26967403	2.3727026	21	2 6.3	19.7
232441 2003 FX_{81}	17.5	X	5.69387	90.18107	113.76531	3.25484	0.1471469	0.27204042	2.3589230	21	3 11.1	19.5
232442 2003 FU_{89}	16.5	X	9.52058	267.22691	317.73489	5.81508	0.0739242	0.27587914	2.3369898	21	4 19.4	19.0
232443 2003 FQ_{93}	15.8	X	96.69307	238.06484	21.46112	28.51520	0.2091615	0.23661410	2.5888624	21	10 28.8	20.1
232444 2003 FA_{100}	17.4	X	136.34345	251.70763	340.85910	2.81199	0.1229675	0.29705027	2.2245871	21	11 9.8	20.7
232445 2003 FV_{100}	17.1	X	12.96791	133.77505	24.34070	3.43002	0.1350559	0.26830955	2.3807400	21	1 17.0	19.3
232446 2003 FY_{114}	17.0	X	2.55709	286.48839	285.99574	1.33524	0.1762386	0.27237323	2.3570010	21	3 11.9	18.9
232447 2003 FP_{120}	17.5	X	64.72232	311.88374	208.34293	1.14499	0.1270832	0.27729519	2.3290268	21	4 28.3	19.6
232448 2003 FR_{121}	17.2	X	335.26762	279.75539	242.91270	2.30284	0.1448464	0.26446194	2.4037756	21	—	—
232449 2003 FX_{127}	17.6	X	19.67358	39.62519	206.57904	4.52648	0.1850470	0.27825276	2.3236804	21	6 20.5	19.2
232450 2003 GG_{7}	16.8	X	19.84732	204.83255	348.62725	1.82033	0.1343084	0.27293644	2.3537574	21	3 22.5	18.8
232451 2003 GJ_{8}	16.9	X	330.47761	239.40603	343.98228	2.11124	0.1350109	0.26904268	2.3764130	21	2 8.4	19.5
232452 2003 GQ_{10}	16.4	X	332.23271	14.11485	158.30303	13.80980	0.1035289	0.26237953	2.4164775	21	—	—
232453 2003 GO_{12}	17.1	X	109.31151	160.48950	335.01325	2.62173	0.1064340	0.28033387	2.3121660	21	5 26.3	19.9
232454 2003 GN_{13}	16.6	X	336.28536	337.11245	230.00327	5.53861	0.0949420	0.26854470	2.3793500	21	1 29.4	19.5
232455 2003 GO_{13}	17.3	X	78.07658	100.82482	359.56266	5.13663	0.1525087	0.27332281	2.3515387	21	2 26.6	19.4
232456 2003 GJ_{36}	16.4	X	46.62930	148.53953	74.77195	9.95385	0.1765134	0.28164125	2.3050050	21	7 12.4	18.6
232457 2003 GM_{36}	18.0	X	42.17153	277.62640	222.40102	1.51461	0.1660889	0.26985459	2.3716440	21	2 14.2	20.0
232458 2003 GE_{40}	16.9	X	353.81949	116.28450	135.99293	5.20885	0.1742591	0.27642216	2.3339282	21	4 29.6	18.8
232459 2003 GM_{40}	17.5	X	36.31418	53.54118	110.00011	3.35746	0.1729495	0.27157196	2.3616350	21	3 13.2	19.2
232460 2003 GK_{43}	16.8	X	265.33473	144.68835	109.86580	4.25666	0.1134748	0.26223945	2.4173379	21	1 5.8	20.4
232461 2003 GD_{51}	17.2	X	332.44895	106.48241	115.00558	2.87651	0.1714732	0.26770459	2.3843253	21	2 2.9	20.0
232462 2003 HH_{3}	17.2	X	18.85573	327.31442	190.10359	1.90890	0.1836167	0.26809286	2.3820226	21	1 20.2	19.1
232463 2003 HQ_{7}	17.3	X	319.38746	178.70848	68.54152	2.20513	0.1498652	0.26826098	2.3810273	21	2 23.8	20.3
232464 2003 HN_{9}	16.9	X	318.39458	114.77098	149.09083	5.78915	0.2112199	0.26857882	2.3791485	21	3 6.9	19.9
232465 2003 HP_{14}	17.2	X	5.57258	180.34161	33.70465	2.70249	0.2016634	0.27270263	2.3551026	21	3 19.9	18.8
232466 2003 HT_{14}	16.5	X	290.57397	67.37255	174.63731	6.29933	0.0751076	0.26433147	2.4045666	21	1 20.4	19.8
232467 2003 HG_{17}	16.7	X	97.15452	333.67444	142.49287	7.71319	0.0520548	0.27289712	2.3539835	21	4 7.0	19.6
232468 2003 HT_{20}	16.8	X	73.36951	327.79995	173.05577	6.01476	0.1916348	0.27286040	2.3541947	21	4 27.4	19.1
232469 2003 HL_{32}	16.3	X	139.28766	168.30127	48.49555	10.48931	0.0791882	0.23679518	2.5875424	21	10 18.9	20.1
232470 2003 HR_{37}	17.2	X	281.16507	346.91656	261.28767	3.92320	0.1719747	0.26217548	2.4177311	21	1 8.8	20.8
232471 2003 HE_{38}	16.5	X	333.33785	358.59022	209.93777	6.24741	0.0860266	0.26570349	2.3962817	21	1 29.0	19.5
232472 2003 HW_{47}	16.8	X	255.25870	164.02079	113.04209	2.69718	0.2045181	0.26200775	2.4187629	21	1 18.7	20.6
232473 2003 HS_{51}	16.5	X	354.15093	46.83583	137.96204	6.84463	0.0790907	0.26686364	2.3893317	21	1 29.9	19.1
232474 2003 JN_{1}	17.0	X	359.91559	58.37102	159.38087	2.84988	0.1563403	0.27035374	2.3687240	21	3 19.1	18.9
232475 2003 JP_{7}	16.6	X	266.95440	88.36890	160.01033	6.38058	0.0776257	0.26097920	2.4251138	21	1 2.4	20.1
232476 2003 JS_{13}	16.5	X	279.03153	118.70230	124.97620	7.20666	0.1055353	0.26067025	2.4270296	21	1 7.6	19.8
232477 2003 JW_{14}	16.1	X	306.72229	334.17909	225.75276	10.32319	0.1844339	0.25974922	2.4327635	21	—	—
232478 2003 KF_{3}	16.3	X	8.02062	356.30362	193.44580	6.27894	0.1090416	0.26743981	2.3858988	21	2 23.5	18.9
232479 2003 KZ_{8}	16.8	X	27.69037	78.51854	113.23464	7.93548	0.1483176	0.27211140	2.3585127	21	4 11.2	18.9
232480 2003 KE_{18}	16.7	X	354.76118	50.08853	148.52103	6.16387	0.1373105	0.26710020	2.3879207	21	2 11.3	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232481 2003 LF_2	17.0	X	318.63290	151.01644	84.66482	2.21288	0.1364122	0.26595888	2.3947475	21	2 9.3	19.9
232482 2003 LD_3	17.4	X	282.11862	198.66144	17.74402	1.29978	0.1374268	0.25885260	2.4383780	21	—	—
232483 2003 MC_3	15.4	X	39.15215	270.58222	263.21856	21.98208	0.2853859	0.27113166	2.3641910	21	4 1.8	17.5
232484 2003 MS_4	16.3	X	126.99201	104.15168	193.62777	5.74929	0.2236689	0.23948024	2.5681650	21	—	—
232485 2003 MJ_5	15.7	X	45.95471	196.25311	131.40068	16.33478	0.1626268	0.22982384	2.6396074	21	12 2.3	19.5
232486 2003 NN	15.8	X	62.90702	195.48017	158.44355	7.93866	0.2101663	0.23558613	2.5963879	21	—	—
232487 2003 NE_{12}	16.8	X	212.30181	83.88923	140.62928	12.78124	0.1119806	0.24115754	2.5562431	21	—	—
232488 2003 OW_3	15.8	X	6.72022	222.25686	140.69677	12.50109	0.2041857	0.22559878	2.6724621	21	11 25.0	18.9
232489 2003 OO_5	15.8	X	228.90449	46.44375	314.53437	13.02753	0.3545788	0.20408678	2.8571046	21	3 31.4	21.4
232490 2003 OR_6	17.1	X	116.53454	5.86486	143.83148	22.83386	0.0544261	0.37865075	1.8922427	21	6 19.9	19.6
232491 2003 OB_{22}	15.6	X	311.89366	186.03063	172.67807	10.02061	0.2944615	0.21294709	2.7772922	21	6 29.0	18.9
232492 2003 OJ_{27}	16.2	X	348.02322	197.23824	138.72389	12.41577	0.1329154	0.22048310	2.7136417	21	8 31.5	19.1
232493 2003 OQ_{27}	15.9	X	339.51983	218.69300	146.75081	7.32349	0.1388297	0.22234482	2.6984727	21	9 28.3	18.7
232494 2003 OG_{31}	14.7	X	148.49523	332.36013	333.23130	23.27337	0.2336146	0.18339484	3.0681598	21	—	—
232495 2003 PT	15.6	X	309.08176	21.93059	330.57067	9.74797	0.3047908	0.21414945	2.7668869	21	6 13.5	19.1
232496 2003 PV_6	16.6	X	143.45877	323.38639	323.87226	12.38153	0.3001732	0.23833191	2.5764077	21	—	—
232497 2003 PW_7	16.7	X	31.11681	16.27875	225.89311	4.59203	0.1945796	0.27258515	2.3557792	21	7 11.9	18.7
232498 2003 QT_5	16.0	X	294.40847	51.03659	330.77870	7.70747	0.0683089	0.21524416	2.7574975	21	8 10.6	19.5
232499 2003 QP_7	15.9	X	299.96767	45.21176	324.61588	8.23607	0.1701978	0.21538440	2.7563004	21	7 18.1	19.2
232500 2003 QF_{13}	15.7	X	285.37179	215.71480	139.21756	10.17182	0.1742255	0.21045232	2.7991977	21	6 6.4	19.7
232501 2003 QM_{21}	16.1	X	13.38910	39.68038	0.28737	12.63486	0.2227378	0.22770475	2.6559588	21	—	—
232502 2003 QH_{25}	16.0	X	302.89550	240.53963	168.23645	8.80497	0.1548201	0.22036150	2.7146399	21	9 18.2	19.0
232503 2003 QF_{27}	16.3	X	150.11040	34.29246	251.80893	4.04060	0.2641891	0.23787563	2.5797012	21	—	—
232504 2003 QU_{37}	16.2	X	121.20738	336.23270	317.72211	4.14055	0.0892695	0.23483470	2.6019236	21	—	—
232505 2003 QY_{37}	16.1	X	348.23560	24.79320	321.75868	5.98889	0.1438181	0.22063879	2.7123650	21	9 12.9	19.0
232506 2003 QA_{47}	15.2	X	83.00968	152.38982	180.39917	10.46508	0.2061094	0.17701168	3.1414834	21	—	—
232507 2003 QK_{60}	15.9	X	79.18956	192.74210	150.38978	9.53033	0.1221278	0.23193838	2.6235397	21	—	—
232508 2003 QW_{74}	15.7	X	259.94587	203.78828	188.25308	4.68128	0.1279661	0.21242529	2.7818384	21	6 28.3	19.7
232509 2003 QK_{75}	15.0	X	110.85327	77.07236	275.84233	5.32717	0.1975986	0.18307847	3.0716934	21	—	—
232510 2003 QR_{76}	15.8	X	14.26549	46.69117	277.60613	3.79047	0.1497706	0.22151007	2.7052479	21	9 30.8	18.9
232511 2003 QS_{81}	16.1	X	276.01070	298.45822	344.21906	1.12221	0.0661684	0.20060597	2.8900597	21	3 8.5	20.0
232512 2003 QS_{90}	17.2	X	287.62916	34.91117	313.15222	19.40392	0.0915015	0.37887984	1.8914798	21	6 2.8	19.5
232513 2003 QF_{95}	15.6	X	86.93254	13.03234	37.72796	11.99633	0.3456137	0.18482863	3.0522719	21	2 27.9	19.8
232514 2003 QX_{97}	17.1	X	60.55921	334.10930	349.21746	0.87564	0.1609793	0.22905763	2.6454905	21	12 9.7	20.9
232515 2003 QU_{103}	15.6	X	23.46932	199.31132	116.66787	5.16350	0.1023441	0.22002280	2.7174252	21	10 3.5	18.9
232516 2003 QW_{104}	16.0	X	233.75554	298.46507	52.99809	10.42811	0.2874596	0.25604961	2.4561410	21	4 2.2	20.4
232517 2003 QX_{109}	15.1	X	23.94595	125.68956	305.67816	26.22361	0.2173468	0.17757877	3.1347917	21	—	—
232518 2003 RN_2	15.9	X	11.87173	216.17486	153.21103	6.22516	0.0772745	0.22706425	2.6609510	21	11 23.7	19.2
232519 2003 RG_6	16.2	X	303.98552	52.59646	330.16266	4.80391	0.0843092	0.21793011	2.7347936	21	8 23.3	19.7
232520 2003 RG_{15}	15.7	X	119.45799	140.90062	229.29594	13.72229	0.0747816	0.18682624	3.0304757	21	1 2.6	20.2
232521 2003 RM_{18}	15.5	X	191.70689	108.31140	199.45352	9.86085	0.1066219	0.19014209	2.9951405	21	1 8.8	20.3
232522 2003 RP_{25}	14.8	X	46.22151	46.56392	333.49672	23.40324	0.2321175	0.17466718	3.1695322	21	—	—
232523 2003 SU_1	16.0	X	347.81466	44.50590	350.69147	5.56063	0.0327844	0.22582605	2.6706687	21	11 15.4	19.5
232524 2003 SY_{11}	16.4	X	304.19542	239.96296	117.80546	0.54797	0.0874582	0.21368720	2.7708757	21	7 19.2	19.8
232525 2003 SZ_{12}	15.7	X	119.47709	355.88625	356.35629	9.72421	0.0762959	0.18410867	3.0602241	21	—	—
232526 2003 SV_{13}	16.0	X	307.20229	224.67003	152.23896	5.46669	0.0711104	0.21626804	2.7487874	21	8 21.5	19.5
232527 2003 SB_{16}	15.6	X	192.38622	240.06556	169.23259	12.80641	0.1376253	0.20260177	2.8710487	21	5 13.9	20.4
232528 2003 SZ_{19}	16.2	X	227.06913	60.13945	315.06705	1.04710	0.0816872	0.20457665	2.8525417	21	5 5.2	20.5
232529 2003 SG_{20}	15.7	X	153.44010	231.05562	346.81147	14.18511	0.1057334	0.22675003	2.6634087	21	10 25.6	20.0
232530 2003 ST_{25}	15.7	X	292.97214	348.50500	10.34515	3.16336	0.1248157	0.21083507	2.7958089	21	6 28.4	19.3
232531 2003 SL_{30}	16.6	X	191.09773	45.97196	29.24028	2.24700	0.0510858	0.20451184	2.8531443	21	6 11.8	20.8
232532 2003 SW_{38}	15.7	X	63.53297	64.09037	294.32078	9.10981	0.1802134	0.17455016	3.1709487	21	—	—
232533 2003 SC_{43}	15.6	X	33.64135	21.62637	282.42593	6.65754	0.0603980	0.22097053	2.7096497	21	9 20.6	19.2
232534 2003 SC_{61}	16.0	X	319.01191	225.06733	127.88795	4.69784	0.1919635	0.21547920	2.7554919	21	7 22.2	19.0
232535 2003 SF_{62}	15.6	X	114.21487	152.98972	222.58660	9.61636	0.0870560	0.18658408	3.0330972	21	1 5.2	20.0
232536 2003 SZ_{72}	15.5	X	33.08468	346.28478	347.19802	9.35599	0.1880469	0.22406260	2.6846631	21	11 18.1	19.0
232537 2003 SO_{75}	15.8	X	0.43713	188.52810	184.31990	5.05160	0.1185031	0.22297485	2.6933872	21	11 13.7	18.8
232538 2003 SV_{87}	15.9	X	67.79435	159.46920	155.32482	12.69354	0.1266708	0.22706639	2.6609342	21	12 4.9	19.9
232539 2003 SG_{103}	16.0	X	297.46055	33.64412	319.47654	2.89627	0.1123867	0.21035034	2.8001023	21	6 29.1	19.5
232540 2003 SV_{108}	15.4	X	250.41828	313.85921	340.35943	9.95432	0.0286732	0.19242307	2.9714240	21	2 26.5	19.5
232541 2003 SU_{118}	16.1	X	11.81293	176.04477	178.32859	6.32807	0.0320212	0.22167811	2.7038806	21	10 28.8	19.6
232542 2003 SW_{119}	16.7	X	307.16956	1.52625	343.81760	3.29441	0.1067833	0.21216317	2.7841292	21	7 4.1	20.3
232543 2003 SF_{129}	15.2	X	302.40279	107.11285	203.38647	12.24061	0.0386073	0.20552020	2.8438043	21	5 21.7	19.1
232544 2003 SR_{151}	15.2	X	87.63339	312.46650	141.39001	11.09831	0.0706817	0.19320429	2.9634086	21	3 8.4	19.2
232545 2003 SM_{173}	16.0	X	82.58522	111.25325	165.02825	5.79666	0.0115970	0.22239788	2.6980435	21	10 18.3	19.6
232546 2003 SJ_{178}	15.1	X	115.63686	25.88290	328.66247	9.22686	0.0653667	0.18196332	3.0842304	21	—	—
232547 2003 SW_{178}	16.1	X	264.76574	48.25201	329.61450	3.45614	0.1183447	0.20951799	2.8075134	21	6 17.1	20.0
232548 2003 SR_{190}	16.2	X	15.70016	121.10716	194.84326	4.77480	0.1154869	0.21790564	2.7349984	21	9 18.5	19.3
232549 2003 SO_{200}	16.6	X	187.56905	126.71375	288.77930	19.81674	0.1302906	0.36994188	1.9218245	21	4 26.2	19.6
232550 2003 SP_{200}	14.9	X	60.92698	168.46017	223.43680	27.92825	0.1712938	0.17951488	3.1122113	21	—	—
232551 2003 SJ_{206}	15.5	X	199.57955	101.06376	336.36666	24.54515	0.1256483	0.20935073	2.8090085	21	6 25.8	20.4
232552 2003 SD_{209}	15.8	X	140.51616	61.54276	289.23648	5.59464	0.1527630	0.18892076	3.0080353	21	1 14.5	20.4
232553 Randypeterson	16.1	X	349.77834	111.48342	198.58380	3.96926	0.0530551	0.21155197	2.7894891	21	7 25.7	19.5
232554 2003 SZ_{222}	15.1	X	92.63183	139.77112	201.74916	15.35069	0.1980734	0.17706698	3.1408293	21	—	—
232555 2003 SA_{236}	16.2	X	307.75178	9.87904	15.66154	3.63378	0.1018881	0.21697870	2.7427822	21	9 1.2	19.5
232556 2003 SK_{242}	16.2	X	285.27308	24.68500	321.22935	1.33189	0.0381730	0.20517004	2.8470390	21	6 13.5	20.1
232557 2003 SD_{248}	16.1	X	309.18397	163.15051	196.08459	4.92914	0.0706885	0.21323971	2.7747508	21	7 29.6	19.7
232558 2003 SX_{252}	15.9	X	281.39908	139.28752	208.80510	3.15738	0.1104240	0.21026536	2.8008567	21	5 31.4	19.7
232559 2003 SO_{271}	15.6	X	57.54035	284.50871	47.89875	14.43303	0.1340872	0.22502892	2.6769720	21	12 11.5	19.5
232560 2003 SN_{274}	16.4	X	11.99476	339.43167	342.72929	5.64342	0.1054794	0.21736912	2.7394969	21	9 19.7	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232561 2003 SS_{274}	16.4	X	29.34530	308.61616	42.98507	2.90357	0.1655929	0.22393696	2.6856672	21	12 5.8	19.7
232562 2003 SE_{275}	15.3	X	97.79747	124.09363	231.30613	17.97467	0.1931905	0.17994452	3.1072555	21	—	—
232563 2003 SB_{279}	16.2	X	43.35279	347.21587	305.44202	4.09678	0.1396148	0.22019571	2.7160024	21	10 2.7	19.7
232564 2003 SQ_{286}	15.4	X	176.07192	295.93829	331.14698	12.47782	0.1616861	0.23447862	2.6045571	21	—	—
232565 2003 SU_{288}	16.2	X	55.78875	258.40073	55.24363	5.94577	0.0564550	0.22273779	2.6952979	21	11 6.6	19.7
232566 2003 SA_{290}	15.7	X	48.59036	208.54212	68.61702	7.09828	0.0316999	0.21540789	2.7561000	21	9 9.1	19.4
232567 2003 SY_{292}	15.7	X	253.17534	100.96354	346.65994	17.08735	0.1123336	0.21612017	2.7500411	21	9 5.0	19.4
232568 2003 SW_{295}	15.4	X	345.77153	220.56709	253.17046	9.11390	0.1877216	0.17729411	3.1381462	21	—	—
232569 2003 SH_{300}	15.7	X	183.24102	200.54896	260.70728	5.34739	0.0070883	0.21031499	2.8004161	21	7 6.6	19.4
232570 2003 SX_{302}	16.2	X	117.23273	334.08578	92.99001	2.39418	0.1964879	0.19083841	2.9878505	21	3 28.3	20.6
232571 2003 SJ_{308}	17.0	X	159.54432	76.89080	340.94659	18.55840	0.1147484	0.36212629	1.9493778	21	3 26.6	19.6
232572 2003 SE_{313}	15.3	X	98.37720	78.05697	272.87627	9.61622	0.1149262	0.17785723	3.1315189	21	—	—
232573 2003 SB_{322}	15.2	X	70.84807	222.17232	136.12662	10.35573	0.0808050	0.17423494	3.1747720	21	—	—
232574 2003 SH_{324}	16.4	X	249.08203	101.56519	306.20015	3.17009	0.1027303	0.21107290	2.7937083	21	7 9.8	20.4
232575 2003 SK_{333}	15.6	X	285.69921	216.28165	128.75525	10.39343	0.1734736	0.20960765	2.8067128	21	5 25.9	19.7
232576 2003 ST_{337}	15.1	X	263.99914	321.83165	191.78381	15.22121	0.1042226	0.17337075	3.1853133	21	12 5.6	19.7
232577 2003 SK_{338}	16.4	X	182.93080	117.75201	14.45343	3.99105	0.0445225	0.21334211	2.7738629	21	8 17.6	20.3
232578 2003 SQ_{344}	16.5	X	349.13783	142.65163	170.02911	3.13096	0.0732590	0.21273239	2.7791605	21	7 28.5	19.8
232579 2003 SM_{351}	15.9	X	354.12271	203.16794	92.65099	5.52482	0.0448109	0.21062978	2.7976252	21	7 14.2	19.5
232580 2003 SZ_{356}	15.7	X	177.11264	252.27413	346.61594	13.28357	0.1305207	0.23194543	2.6234865	21	12 19.0	20.0
232581 2003 SF_{363}	16.4	X	111.77789	204.40791	320.09487	1.18497	0.0115462	0.20527838	2.8460372	21	6 27.8	20.2
232582 2003 SA_{412}	17.1	X	224.96257	278.23395	176.27499	3.79656	0.0597427	0.21419302	2.7665116	21	8 15.3	20.9
232583 2003 SA_{414}	16.6	X	199.76585	246.78749	150.82680	2.63238	0.0879874	0.20177811	2.8788565	21	5 5.3	21.1
232584 2003 TX_{13}	17.1	X	245.36534	63.21617	303.12642	17.30661	0.0630684	0.37117625	1.9175613	21	4 25.8	19.9
232585 2003 TQ_{14}	15.2	X	104.91125	282.99027	47.21974	22.01058	0.1609349	0.17643297	3.1483491	21	—	—
232586 2003 TK_{30}	15.4	X	357.68048	91.04757	22.98435	13.28837	0.0626120	0.18006021	3.1059244	21	—	—
232587 2003 TK_{38}	15.7	X	255.29387	8.94152	230.45447	11.47859	0.0260123	0.18470844	3.0535958	21	—	—
232588 2003 TL_{51}	15.3	X	329.48382	33.77578	285.23489	13.71784	0.1748119	0.21189189	2.7865050	21	6 25.5	18.2
232589 2003 TO_{51}	15.5	X	253.25704	76.72384	281.04251	13.45152	0.1691136	0.20447303	2.8535053	21	4 29.8	20.2
232590 2003 TA_{53}	16.5	X	294.88332	220.19970	154.06817	5.63722	0.0781304	0.21126217	2.7920395	21	7 28.6	20.1
232591 2003 TE_{55}	16.0	X	66.47828	282.34281	102.87415	5.83046	0.1311079	0.17778520	3.1323647	21	—	—
232592 2003 UZ_{1}	16.5	X	277.25073	87.34015	286.55395	2.27647	0.0910448	0.20876516	2.8142588	21	7 2.1	20.3
232593 2003 UU_{4}	15.3	X	55.45435	266.97752	109.54987	17.60199	0.2768480	0.17445361	3.1721186	21	—	—
232594 2003 UJ_{9}	14.7	X	39.29284	295.76427	103.34011	27.72449	0.2167459	0.17321791	3.1871869	21	—	—
232595 2003 UP_{9}	15.6	X	111.91342	285.07865	12.95138	11.28946	0.1975030	0.22778343	2.6553471	21	12 31.9	20.3
232596 2003 UR_{24}	16.5	X	15.33052	357.30537	245.65174	18.04334	0.0847480	0.36751536	1.9302744	21	5 24.1	17.7
232597 2003 UT_{49}	15.9	X	288.62307	197.22891	296.30025	10.19534	0.1067484	0.22498329	2.6773339	21	12 26.4	19.0
232598 2003 UN_{52}	15.0	X	5.66056	97.92131	337.62584	15.10026	0.0900058	0.17389143	3.1789517	21	—	—
232599 2003 UY_{52}	15.4	X	152.09663	100.28177	341.97764	10.61093	0.0738610	0.19724920	2.9227559	21	5 4.4	20.0
232600 2003 UC_{54}	15.7	X	135.63370	131.79424	314.79109	10.60838	0.2270782	0.19291131	2.9664083	21	5 6.4	20.7
232601 2003 UZ_{55}	15.8	X	338.47893	21.29280	317.05229	5.29649	0.0721032	0.21290892	2.7776242	21	8 16.7	19.0
232602 2003 UX_{71}	15.8	X	33.82080	259.84883	227.34986	4.58620	0.1111389	0.18785519	3.0193995	21	1 31.9	19.5
232603 2003 UZ_{71}	16.0	X	190.97386	201.68560	283.02919	1.79113	0.0867845	0.21144079	2.7904669	21	8 13.5	20.3
232604 2003 UK_{75}	15.8	X	40.28086	353.36333	308.10014	4.27694	0.1006430	0.21833323	2.7314263	21	10 3.8	19.2
232605 2003 UB_{76}	16.0	X	346.55102	2.72454	324.02054	3.76093	0.0732798	0.21289208	2.7777706	21	8 13.9	19.4
232606 2003 UH_{86}	15.7	X	111.60631	147.60529	278.76047	4.06490	0.2664163	0.18657950	3.0331469	21	3 27.0	20.3
232607 2003 UD_{92}	15.3	X	61.56188	330.75134	96.16069	6.98515	0.0491954	0.18239458	3.0793668	21	—	—
232608 2003 US_{93}	16.2	X	213.86229	96.95508	290.95187	0.92978	0.0825551	0.20120105	2.8843584	21	5 7.1	20.4
232609 2003 UJ_{96}	15.9	X	220.22129	167.37937	178.33387	5.38854	0.1490444	0.19654800	2.9297032	21	3 21.1	20.6
232610 2003 UY_{99}	15.7	X	340.99763	179.52477	191.17507	11.21986	0.1736728	0.21651299	2.7467138	21	10 5.6	18.2
232611 2003 UQ_{111}	16.4	X	19.31074	152.99667	177.79263	6.03724	0.0378281	0.21755426	2.7379425	21	10 7.5	19.9
232612 2003 UL_{118}	15.7	X	149.90538	92.30337	224.21106	9.05908	0.0630389	0.18085501	3.0968181	21	—	—
232613 2003 UX_{118}	15.3	X	207.48114	45.82706	210.23124	13.77328	0.0760908	0.18070928	3.0984827	21	—	—
232614 2003 UD_{122}	15.5	X	78.94027	11.33743	342.36251	18.44210	0.1437028	0.17603267	3.1531203	21	—	—
232615 2003 UJ_{126}	15.8	X	213.43464	63.25578	320.38779	6.22624	0.1383375	0.19895271	2.9060482	21	4 26.9	20.5
232616 2003 UY_{134}	15.3	X	82.70596	101.95657	258.16842	4.51566	0.1857442	0.17509329	3.1643879	21	—	—
232617 2003 UY_{148}	16.1	X	253.40324	230.88705	163.68512	9.15060	0.2239317	0.20517754	2.8469696	21	6 14.1	20.8
232618 2003 UV_{150}	15.3	X	132.46741	127.19928	197.40184	8.86496	0.0813950	0.17953057	3.1120300	21	—	—
232619 2003 UO_{151}	15.8	X	315.21445	245.08651	90.60618	8.20582	0.2334471	0.20970942	2.8058046	21	6 13.4	19.1
232620 2003 UR_{153}	15.9	X	246.51108	64.94564	301.65993	12.09603	0.1327810	0.20536420	2.8452443	21	5 7.4	20.5
232621 2003 UR_{163}	15.7	X	348.76896	226.51328	201.28600	11.08441	0.1623124	0.22455862	2.6807083	21	—	—
232622 2003 UJ_{170}	16.6	X	182.28238	41.06166	51.61408	2.23327	0.1437126	0.20182337	2.8784260	21	6 24.4	21.3
232623 2003 UH_{171}	16.2	X	73.14827	20.81319	96.91857	2.19846	0.2541004	0.18618906	3.0373857	21	4 15.1	20.0
232624 2003 UK_{171}	16.5	X	136.18595	333.22280	68.88647	1.71283	0.1858064	0.18885683	3.0087141	21	3 15.9	21.2
232625 2003 UQ_{177}	15.9	X	261.19861	46.52785	9.68537	6.27234	0.0292558	0.21200467	2.7855167	21	8 18.2	19.7
232626 2003 UO_{179}	15.8	X	269.94723	295.92772	100.98678	5.03675	0.1077843	0.20907977	2.8114350	21	7 20.9	19.6
232627 2003 UU_{189}	15.3	X	93.02689	329.38701	59.14007	10.65445	0.2196822	0.18084063	3.0969821	21	1 17.3	19.5
232628 2003 UY_{198}	15.5	X	149.04163	181.87161	217.65276	10.14785	0.1318470	0.19149203	2.9810476	21	3 16.5	20.3
232629 2003 US_{201}	15.4	X	54.92345	44.41629	48.60337	10.79289	0.2313143	0.18190306	3.0849115	21	2 11.1	18.8
232630 2003 UH_{205}	15.8	X	72.67570	309.91389	327.15265	6.37613	0.1007292	0.21850756	2.7299733	21	10 14.3	19.6
232631 2003 UU_{211}	16.3	X	95.84799	25.62426	26.87342	1.51223	0.1828730	0.18335475	3.0686070	21	2 12.3	20.4
232632 2003 UY_{221}	15.8	X	148.82004	63.61642	71.68468	6.82371	0.1479097	0.20318676	2.8655354	21	7 16.7	20.3
232633 2003 UB_{225}	15.9	X	92.96681	84.36926	7.97498	6.27897	0.2392387	0.18748741	3.0233468	21	4 5.3	20.2
232634 2003 UO_{225}	15.7	X	58.66904	142.42811	236.71383	8.48453	0.0764785	0.17415011	3.1758029	21	—	—
232635 2003 UO_{229}	16.1	X	256.76392	125.92350	293.43764	3.19343	0.0941061	0.20898820	2.8122562	21	8 4.0	19.8
232636 2003 UY_{248}	15.9	X	96.15735	358.60077	346.95803	5.66466	0.1800149	0.17757486	3.1348377	21	—	—
232637 2003 UO_{250}	16.2	X	140.72770	75.96060	345.84551	4.35556	0.1428026	0.19111560	2.9849607	21	4 6.6	20.7
232638 2003 UU_{256}	16.2	X	123.95067	163.72406	206.75825	11.36823	0.1451323	0.23779349	2.5802953	21	1 7.4	19.8
232639 2003 UC_{276}	15.7	X	88.35652	43.67918	34.96003	7.82715	0.2404158	0.18434298	3.0576303	21	3 17.6	19.8
232640 2003 UA_{293}	14.5	X	51.73496	267.07523	105.07164	17.73217	0.2159214	0.17120706	3.2120942	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232641 2003 UK_{296}	16.2	X	215.79554	42.95896	26.22074	2.81004	0.0470893	0.20681864	2.8318893	21	7 4.1	20.3
232642 2003 UQ_{304}	15.2	X	313.38949	279.59971	263.56175	9.75284	0.1774897	0.18295924	3.0730278	21	—	—
232643 2003 UX_{309}	15.7	X	304.61671	69.85631	281.61528	6.85844	0.0780643	0.20947260	2.8079190	21	7 12.2	19.3
232644 2003 UR_{355}	16.4	X	110.81401	95.95306	12.96954	6.60263	0.1504993	0.19352950	2.9600878	21	5 3.2	20.8
232645 2003 UG_{372}	16.0	X	209.17108	248.29924	258.95829	10.82359	0.2177269	0.22345199	2.6895517	21	9 16.5	20.7
232646 2003 UV_{377}	16.7	X	68.77383	94.51095	182.34540	5.16219	0.0828518	0.22042240	2.7141399	21	10 10.4	20.4
232647 2003 UT_{416}	15.7	X	99.51817	264.28802	181.56546	10.01111	0.0784330	0.18863649	3.0110566	21	3 12.9	19.9
232648 2003 VJ_{10}	15.0	X	349.41135	305.25786	357.88506	12.16083	0.1015393	0.20624162	2.8371688	21	7 19.0	18.5
232649 2003 WC_{1}	15.5	X	81.20648	278.54344	67.14865	8.36177	0.1132396	0.17122992	3.2118083	21	—	—
232650 2003 WY_{4}	16.1	X	217.82598	138.32328	327.89414	4.94792	0.0148175	0.20932636	2.8092265	21	8 26.9	19.9
232651 2003 WG_{15}	15.7	X	50.30302	327.81158	53.70120	4.47281	0.0753444	0.17234846	3.1978967	21	—	—
232652 2003 WE_{17}	15.5	X	130.44267	259.10152	150.34506	10.72767	0.0942445	0.18672161	3.0316076	21	3 9.5	19.8
232653 2003 WW_{18}	15.4	X	162.91501	123.62273	280.82692	10.17062	0.1678670	0.19203607	2.9754147	21	4 4.9	20.5
232654 2003 WQ_{19}	16.1	X	218.69724	190.48062	296.26229	7.10715	0.1667076	0.20932078	2.8092765	21	9 5.6	20.6
232655 2003 WM_{20}	15.9	X	37.47982	94.36940	29.22891	11.96647	0.2856706	0.17937978	3.1137738	21	2 22.2	18.8
232656 2003 WM_{29}	15.4	X	96.19482	66.32698	26.76462	10.12643	0.0482904	0.18811813	3.0165853	21	3 17.6	19.6
232657 2003 WV_{37}	15.7	X	38.60261	80.07832	7.38638	9.50176	0.2100247	0.17684894	3.1434103	21	—	—
232658 2003 WR_{43}	15.5	X	37.08972	15.75493	299.09554	10.52494	0.0961519	0.21586688	2.7521919	21	10 12.3	19.3
232659 2003 WP_{44}	15.5	X	71.54603	123.50039	307.78899	9.54463	0.1604695	0.18133608	3.0913385	21	1 28.8	19.1
232660 2003 WN_{46}	15.3	X	357.95535	237.98222	217.30872	13.92642	0.0342951	0.17529258	3.1619891	21	—	—
232661 2003 WU_{73}	15.2	X	140.53945	69.61615	309.68462	11.17070	0.2041495	0.18501270	3.0502470	21	2 20.2	20.1
232662 2003 WH_{125}	15.4	X	76.89779	35.35472	23.47571	5.33695	0.1535590	0.17718571	3.1394260	21	1 23.1	19.4
232663 2003 WE_{126}	14.7	X	0.14803	70.99480	81.36524	24.46858	0.1733394	0.17423977	3.1747133	21	1 9.1	18.6
232664 2003 WM_{140}	15.8	X	86.81377	355.15565	47.78427	3.15945	0.1857779	0.17901562	3.1179951	21	1 21.0	19.8
232665 2003 WA_{161}	16.4	X	89.78587	349.97280	226.10880	2.57535	0.1346260	0.20338132	2.8637077	21	8 22.7	20.6
232666 2003 WQ_{163}	15.8	X	10.71574	102.66366	65.06971	6.71548	0.2248672	0.18112638	3.0937241	21	2 15.5	19.0
232667 2003 WV_{171}	15.2	X	44.16464	280.12950	209.77004	25.42773	0.2211699	0.18165280	3.0877442	21	2 26.7	18.9
232668 2003 XJ_{2}	16.0	X	143.94028	242.17290	159.78501	5.33705	0.1978844	0.18860247	3.0114187	21	3 24.2	20.8
232669 2003 XV_{12}	15.5	X	116.01759	96.76110	358.56136	12.52131	0.1196666	0.18671845	3.0316418	21	4 16.4	20.0
232670 2003 XN_{16}	15.9	X	123.69507	271.46847	139.33329	5.37401	0.2285858	0.18592249	3.0402882	21	3 19.7	20.6
232671 2003 XO_{18}	15.5	X	85.93939	94.44643	324.20161	8.28182	0.0828477	0.17992969	3.1074262	21	1 24.9	19.7
232672 2003 XF_{41}	16.4	X	93.50354	173.91379	260.84115	1.78128	0.1705455	0.18333934	3.0687789	21	3 5.3	20.6
232673 2003 YU_{32}	15.7	X	77.06394	226.56550	225.40888	13.14664	0.1366513	0.18325425	3.0697288	21	2 23.1	20.0
232674 2003 YF_{45}	15.1	X	149.70390	266.49247	122.54605	10.73215	0.1038044	0.18222832	3.0812396	21	3 9.2	19.8
232675 2003 YB_{55}	15.1	X	9.31918	94.20413	79.22967	21.33296	0.1362061	0.18228088	3.0806472	21	3 5.3	19.2
232676 2003 YZ_{58}	16.2	X	118.97652	350.55610	98.93782	3.79689	0.1948581	0.18834056	3.0142098	21	4 26.7	20.8
232677 2003 YG_{65}	15.2	X	46.69865	11.73229	117.59077	19.86581	0.1835047	0.17702372	3.1413409	21	3 13.1	19.1
232678 2003 YD_{77}	15.3	X	63.64914	9.20421	75.51129	11.39780	0.1123016	0.17750850	3.1356189	21	1 31.6	19.4
232679 2003 YC_{99}	15.1	X	114.96356	331.51610	106.90252	12.18421	0.0679140	0.18359128	3.0659708	21	3 28.5	19.7
232680 2003 YO_{115}	15.2	X	273.87433	142.90816	120.87212	6.52890	0.0943238	0.17756262	3.1349817	21	2 12.2	19.8
232681 2003 YO_{116}	15.4	X	347.63566	269.64398	262.24852	3.58065	0.1511925	0.17431310	3.1738229	21	1 16.4	19.2
232682 2003 YR_{119}	15.4	X	54.16233	152.50467	309.10490	10.05218	0.0827692	0.17604013	3.1530312	21	2 2.3	19.5
232683 2003 YR_{132}	14.9	X	276.83117	150.16886	74.39632	15.17632	0.1021682	0.17196646	3.2026309	21	—	—
232684 2003 YN_{133}	15.8	X	80.66540	115.49491	321.17016	6.11892	0.1586772	0.17846292	3.1244294	21	2 17.9	19.7
232685 2003 YR_{140}	15.2	X	89.31703	61.80126	334.11803	9.63854	0.3044688	0.17909559	3.1170668	21	2 3.4	19.3
232686 2003 YR_{143}	15.4	X	44.85178	112.26788	9.07419	10.36659	0.0484380	0.17906351	3.1174391	21	2 15.1	19.6
232687 2003 YL_{151}	14.4	X	335.95129	236.10741	328.07006	25.71017	0.2035476	0.17585898	3.1551961	21	2 5.3	18.4
232688 2003 YQ_{152}	15.4	X	43.90937	320.92356	107.14883	10.90550	0.0506051	0.17049814	3.2209918	21	—	—
232689 2003 YN_{158}	14.5	X	125.69065	17.10686	277.48216	21.44035	0.0845636	0.17144128	3.2091679	21	12 25.9	19.4
232690 2003 YJ_{180}	15.4	X	58.79842	0.61315	112.87427	11.13480	0.0720731	0.17867096	3.1220036	21	2 25.4	19.6
232691 2004 AR_{1}	19.7	X	328.94193	50.25853	336.52538	9.07777	0.4694990	0.49810565	1.5761168	21	—	—
232692 2004 AM_{6}	15.1	X	166.31191	64.91085	301.07727	15.08431	0.0993796	0.17979190	3.1090137	21	2 18.9	20.0
232693 2004 AU_{8}	14.9	X	38.86637	191.98241	261.35014	8.62039	0.0784072	0.16995259	3.2278811	21	1 2.3	19.1
232694 2004 AC_{26}	15.9	X	56.77179	107.33409	358.88581	4.25458	0.2262271	0.17725119	3.1386528	21	2 28.5	19.2
232695 2004 AU_{26}	14.7	X	298.52957	260.89162	286.11488	18.79020	0.0612599	0.16870404	3.2437875	21	—	—
232696 2004 BD	15.3	X	49.08530	115.67506	304.32275	21.67636	0.2333694	0.17117712	3.2124688	21	—	—
232697 2004 BA_{13}	15.8	X	91.11267	331.36725	129.86616	6.79763	0.1416544	0.18091420	3.0961426	21	4 4.1	20.1
232698 2004 BT_{13}	15.5	X	293.04269	250.22684	325.41863	5.95580	0.0682438	0.17149168	3.2085391	21	1 12.2	20.1
232699 2004 BS_{14}	15.3	X	76.72813	112.73995	294.03048	3.94393	0.2222699	0.17377549	3.1803655	21	1 16.7	18.9
232700 2004 BZ_{14}	15.5	X	44.84144	305.06328	140.26435	6.24989	0.1565905	0.17173226	3.2055419	21	1 4.4	19.3
232701 2004 BC_{20}	15.2	X	326.55958	112.38643	101.96519	12.70233	0.1702093	0.17343416	3.1845369	21	2 7.4	19.4
232702 2004 BW_{27}	17.5	X	125.08728	81.84380	94.92645	2.48745	0.0651221	0.30828937	2.1701863	21	8 11.5	20.2
232703 2004 BV_{29}	15.1	X	348.36129	222.02501	332.45132	8.21167	0.1874596	0.17407415	3.1767267	21	2 11.8	18.8
232704 2004 BY_{35}	15.6	X	14.27796	145.12170	326.47662	9.10153	0.1038590	0.16956468	3.2328021	21	—	—
232705 2004 BE_{48}	15.4	X	129.07352	220.87381	120.70500	17.47574	0.2311852	0.22774881	2.6556162	21	—	—
232706 2004 BO_{48}	15.8	X	70.11830	162.48523	299.37465	8.51286	0.1879000	0.17862573	3.1225306	21	3 6.9	19.8
232707 2004 BV_{49}	15.1	X	141.37646	74.49014	296.66757	9.89072	0.0854103	0.17538516	3.1608762	21	2 2.0	19.8
232708 2004 BF_{53}	15.3	X	342.61441	98.31477	120.38097	11.96651	0.2195495	0.17885036	3.1199155	21	3 2.2	19.0
232709 2004 BN_{59}	16.0	X	82.82661	4.16708	141.54634	8.73131	0.2146715	0.18418444	3.0593847	21	5 29.5	20.3
232710 2004 BY_{71}	15.4	X	19.77507	252.87159	223.11592	4.38537	0.1549000	0.17146209	3.2089082	21	—	—
232711 2004 BP_{73}	15.0	X	55.91519	149.16399	307.51059	12.57968	0.0218407	0.17249057	3.1961401	21	1 26.4	19.2
232712 2004 BK_{76}	15.4	X	1.35733	355.63151	164.93547	6.18957	0.0919818	0.17338855	3.1850953	21	1 28.7	19.5
232713 2004 BP_{90}	15.0	X	349.83407	70.69246	144.30754	10.71125	0.1647433	0.17690972	3.1426903	21	3 16.5	18.8
232714 2004 BX_{91}	15.9	X	76.78035	257.34129	208.42601	4.29521	0.1234543	0.17887946	3.1195772	21	3 15.1	20.1
232715 2004 BP_{92}	14.7	X	131.20722	260.11631	151.16568	23.11323	0.0524415	0.17882409	3.1202211	21	3 8.9	19.2
232716 2004 BU_{98}	15.8	X	81.94806	148.15786	352.34655	16.99524	0.2201673	0.18061540	3.0995563	21	5 14.3	20.4
232717 2004 BQ_{120}	15.1	X	17.14473	132.56669	5.62718	11.31805	0.1766851	0.17436136	3.1732373	21	1 25.6	18.8
232718 2004 BC_{126}	15.8	X	286.64284	232.41489	42.05729	2.50324	0.0254048	0.18134009	3.0912930	21	3 20.3	20.0
232719 2004 BN_{142}	15.6	X	352.61332	90.91290	105.53414	2.36958	0.1245763	0.17695591	3.1421434	21	2 27.8	19.3
232720 2004 CG_{3}	15.2	X	349.11512	205.79622	13.22375	13.71965	0.1048677	0.17928510	3.1148700	21	3 25.3	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232721 2004 CC_6	15.5	X	157.21120	95.00608	316.82848	9.00687	0.0747883	0.18216577	3.0819448	21	4 3.5	20.3
232722 2004 CA_{11}	15.8	X	43.53571	241.52925	229.14417	1.31970	0.1030719	0.17291405	3.1909196	21	1 30.8	19.7
232723 2004 CC_{32}	15.6	X	85.97986	248.83373	212.77563	2.85071	0.0278623	0.17924512	3.1153331	21	3 9.3	19.8
232724 2004 CA_{57}	15.6	X	192.82893	85.26404	33.61303	5.58934	0.0987069	0.19871363	2.9083786	21	8 9.9	20.1
232725 2004 CY_{57}	15.1	X	55.81984	59.88870	90.32365	10.45889	0.0598368	0.18156302	3.0887621	21	4 9.3	19.4
232726 2004 CK_{65}	15.3	X	279.31562	159.98190	65.16859	4.38175	0.2758565	0.16574161	3.2823258	21	—	—
232727 2004 CU_{115}	16.0	X	43.79396	76.66390	78.35159	2.12761	0.1170012	0.18015843	3.1047954	21	3 29.7	19.7
232728 2004 DP_6	16.0	X	59.86638	209.15757	48.98490	1.39204	0.1688028	0.19251323	2.9704962	21	9 14.5	19.8
232729 2004 DQ_{16}	17.4	X	142.64266	287.23425	245.48677	5.32753	0.0415571	0.30944848	2.1647636	21	8 23.6	20.2
232730 2004 EX_9	15.3	X	50.51990	302.89450	174.72691	11.13482	0.0443007	0.17110335	3.2133919	21	2 13.7	19.8
232731 2004 EH_{15}	15.3	X	66.13708	71.22058	122.13264	10.70931	0.0593145	0.18365084	3.0653079	21	6 13.8	19.6
232732 2004 EO_{15}	15.0	X	96.15853	243.68220	175.97492	12.03875	0.1077077	0.17195172	3.2028139	21	2 10.2	19.5
232733 2004 ES_{43}	15.4	X	98.85529	31.13067	86.16757	14.66110	0.2619992	0.18193829	3.0845133	21	5 19.9	20.1
232734 2004 EQ_{73}	15.6	X	128.84021	80.28226	85.02356	6.84259	0.1514133	0.18969630	2.9998311	21	8 4.4	20.3
232735 2004 FB_{27}	17.0	X	284.59015	95.35732	194.87278	1.24175	0.1020982	0.28843093	2.2686883	21	3 11.3	19.8
232736 2004 FD_{28}	16.2	X	320.96019	44.39526	199.23985	23.02678	0.1437908	0.28434683	2.2903602	21	2 12.1	19.6
232737 2004 FS_{30}	16.9	X	13.64064	191.17591	118.31499	7.36413	0.1760668	0.30382380	2.1913993	21	10 1.6	18.7
232738 2004 FJ_{34}	15.4	X	60.42238	10.58835	192.24387	22.18268	0.0601960	0.18312191	3.0712076	21	6 16.7	20.0
232739 2004 FM_{62}	15.4	X	341.55558	105.76022	170.98072	12.18388	0.1547047	0.18075858	3.0979193	21	5 24.6	19.2
232740 2004 FW_{84}	17.2	X	160.68330	63.91395	13.41022	4.16090	0.1239498	0.29556048	2.2320563	21	5 8.3	20.2
232741 2004 FP_{94}	14.8	X	27.28523	133.73493	95.60202	11.77666	0.0694934	0.18449106	3.0559940	21	6 6.2	18.7
232742 2004 FP_{101}	16.0	X	68.45503	323.68013	92.18863	7.20121	0.0400025	0.21797155	2.7344469	21	—	—
232743 2004 FO_{120}	16.9	X	33.08837	175.82674	105.10469	6.66588	0.1721473	0.30151942	2.2025504	21	9 21.9	19.0
232744 2004 GK_{24}	16.5	X	7.03744	13.59317	196.04194	23.92719	0.0939737	0.28706236	2.2758932	21	3 20.7	18.9
232745 2004 HL_{18}	14.8	X	330.92044	135.56604	52.83055	23.45694	0.1608444	0.16196298	3.3331808	21	1 17.4	19.6
232746 2004 HH_{63}	17.0	X	244.60598	65.72902	127.89392	24.31799	0.0710492	0.38185322	1.8816481	21	—	—
232747 2004 JK_{11}	15.1	X	274.39878	200.01008	92.31085	10.38010	0.1247033	0.16793992	3.2536194	21	3 20.7	20.1
232748 2004 JX_{19}	17.0	X	266.10346	326.48312	281.14650	5.72869	0.2131463	0.27535372	2.3399617	21	—	—
232749 2004 JY_{20}	16.0	X	33.37132	40.21784	152.99455	1.39647	0.1148674	0.17577577	3.1561917	21	5 1.9	19.8
232750 2004 JU_{37}	16.8	X	348.22604	190.89544	104.47579	8.39816	0.1856052	0.29283228	2.2458983	21	6 25.8	18.0
232751 2004 KJ	15.3	X	292.64369	254.55475	39.45309	14.08055	0.1618943	0.17123619	3.2117299	21	4 5.9	20.0
232752 2004 KF_8	16.1	X	344.48897	69.06584	243.04950	14.87788	0.2281905	0.23481966	2.6020347	21	7 8.3	18.4
232753 2004 LE_{16}	16.1	X	178.51968	73.75981	253.04174	6.42771	0.2272999	0.26277514	2.4140515	21	1 15.3	20.1
232754 2004 NN_2	16.9	X	240.73808	185.24436	161.31078	5.95317	0.2091379	0.27557895	2.3386866	21	3 31.9	20.6
232755 2004 NM_3	17.6	X	106.10452	249.53624	355.95990	1.14126	0.1641171	0.30204047	2.2000166	21	10 30.3	20.8
232756 2004 NS_6	16.1	X	243.72061	358.86655	342.02685	10.09365	0.2190399	0.27353724	2.3503096	21	3 23.2	20.0
232757 2004 NJ_7	16.8	X	41.45398	31.48168	237.55875	4.31456	0.3071380	0.29197305	2.2503024	21	10 5.1	19.2
232758 2004 OS_{11}	16.2	X	40.20521	38.30264	276.06476	13.84622	0.1738821	0.23967532	2.5667713	21	11 3.0	19.6
232759 2004 PM_3	17.0	X	348.93661	301.68724	331.88208	6.54726	0.2124551	0.28521558	2.2857070	21	5 12.1	18.8
232760 2004 PY_8	16.6	X	206.59123	165.71680	146.51747	5.69699	0.2067594	0.26484460	2.4014597	21	1 20.3	20.6
232761 2004 PQ_{23}	17.3	X	307.19215	302.86951	10.49187	1.20180	0.2324117	0.28269808	2.2992568	21	4 23.2	20.0
232762 2004 PV_{24}	17.2	X	316.71011	278.76203	1.35648	1.80411	0.1233319	0.27942168	2.3171954	21	4 8.2	19.6
232763 Eliewiesel	16.5	X	313.36531	336.05905	335.83762	5.64631	0.1924469	0.28030411	2.3123296	21	5 5.6	19.2
232764 2004 PN_{28}	17.1	X	125.70276	30.89648	323.26991	12.59727	0.1800796	0.25665313	2.4522892	21	—	—
232765 2004 PT_{31}	16.4	X	160.23977	14.82121	339.75568	6.34390	0.1275325	0.26281653	2.4137980	21	1 25.7	19.9
232766 2004 PR_{35}	16.8	X	1.79458	160.27649	115.13930	3.75313	0.1532481	0.28539136	2.2847683	21	6 26.0	18.3
232767 2004 PQ_{39}	16.2	X	166.81631	12.62840	303.30249	5.08344	0.0624497	0.25739356	2.4475840	21	—	—
232768 2004 PY_{40}	16.4	X	339.42618	313.18786	5.40747	6.32078	0.2616583	0.28576588	2.2827716	21	7 6.9	17.6
232769 2004 PJ_{51}	16.6	X	45.40171	269.52371	82.44051	3.80625	0.2375954	0.24330623	2.5411710	21	—	—
232770 2004 PD_{53}	17.3	X	254.08239	334.75195	308.32844	2.02929	0.1578376	0.26986299	2.3715948	21	1 26.2	20.7
232771 2004 PV_{56}	16.7	X	300.35395	72.32826	307.98214	15.81531	0.2853470	0.22934517	2.6432789	21	7 14.5	19.9
232772 2004 PG_{61}	15.8	X	274.27128	317.89142	4.96477	11.44424	0.2890614	0.27613449	2.3355488	21	3 24.1	19.6
232773 2004 PC_{72}	17.1	X	227.70831	198.51038	115.63082	2.40685	0.1932383	0.26951555	2.3736326	21	2 9.1	20.9
232774 2004 PF_{73}	16.3	X	127.04350	57.69426	335.78119	7.03753	0.1434980	0.26289147	2.4133393	21	2 7.8	19.3
232775 2004 PA_{75}	17.1	X	286.81491	284.90253	344.08622	4.91984	0.2057086	0.27386872	2.3484128	21	2 5.5	20.4
232776 2004 PU_{75}	17.3	X	228.40072	149.18244	196.58476	4.17241	0.2413960	0.27195203	2.3594341	21	3 17.7	21.2
232777 2004 PN_{76}	16.5	X	133.86513	39.91120	322.90639	5.52521	0.1291032	0.26095860	2.4252414	21	1 5.2	19.7
232778 2004 PH_{80}	16.2	X	4.82087	61.66801	330.53451	27.07949	0.2403510	0.23965960	2.5668835	21	—	—
232779 2004 PM_{85}	17.2	X	252.07548	268.65052	71.91644	3.08892	0.2368010	0.27329222	2.3517142	21	4 1.8	21.0
232780 2004 PD_{98}	16.5	X	253.59873	328.21759	16.18107	8.37423	0.2459903	0.21894709	2.7263185	21	4 9.6	20.9
232781 2004 PX_{108}	17.0	X	256.65661	337.82586	316.26988	2.41842	0.2101101	0.27082360	2.3659835	21	2 7.9	20.7
232782 2004 PT_{111}	16.4	X	287.73474	223.43138	172.24780	4.68677	0.3350574	0.22566288	2.6719560	21	7 6.9	20.0
232783 2004 QF_3	16.5	X	295.54066	256.06770	94.76115	6.10662	0.2512296	0.22576677	2.6711362	21	5 31.7	20.0
232784 2004 QT_6	16.9	X	254.37983	34.03263	264.43345	1.76002	0.1728537	0.26968435	2.3726421	21	2 12.9	20.7
232785 2004 QB_{10}	16.1	X	6.83232	35.09077	0.73706	15.24157	0.1315397	0.24258967	2.5461726	21	—	—
232786 2004 QT_{13}	15.4	X	331.04958	356.54710	290.09042	24.42772	0.1606283	0.27928564	2.3179478	21	4 26.7	18.5
232787 2004 RM_{15}	17.5	X	228.24598	129.93538	192.19228	0.95857	0.1949134	0.26953844	2.3734982	21	2 18.5	21.3
232788 2004 RF_{19}	15.9	X	185.46321	258.76114	120.83739	5.31070	0.0892267	0.21146595	2.7902455	21	3 29.6	20.1
232789 2004 RN_{32}	17.0	X	3.73795	262.26786	135.29217	5.44201	0.2613629	0.24075343	2.5591028	21	—	—
232790 2004 RO_{69}	16.6	X	310.42973	89.94870	156.50912	7.87061	0.0999720	0.27018251	2.3697247	21	2 16.4	19.4
232791 2004 RG_{75}	16.7	X	241.99908	247.34336	169.62957	12.41664	0.3130936	0.22035702	2.7146767	21	6 23.1	21.6
232792 2004 RX_{78}	17.1	X	224.87427	327.33121	348.98928	3.65125	0.2561723	0.26648077	2.3916197	21	2 9.5	21.2
232793 2004 RN_{95}	17.0	X	2.28496	113.24015	190.80624	7.33217	0.1357895	0.28904390	2.2654797	21	8 13.3	19.0
232794 2004 RW_{100}	16.3	X	256.59785	77.04329	304.82908	3.25350	0.1151631	0.22176607	2.7031656	21	6 12.6	20.2
232795 2004 RY_{101}	16.6	X	248.96674	315.93124	335.01325	5.52340	0.1139640	0.26648679	2.3915837	21	2 3.6	20.2
232796 2004 RB_{112}	16.0	X	80.73617	297.50463	346.04449	11.71795	0.2680144	0.24420501	2.5349321	21	11 21.7	20.4
232797 2004 RY_{180}	16.5	X	342.81663	79.11823	322.51767	12.52540	0.1525297	0.23690917	2.5867123	21	11 24.4	19.4
232798 2004 RT_{191}	16.6	X	343.89561	44.83525	315.45453	5.87789	0.1881224	0.23084028	2.6318532	21	9 25.9	19.0
232799 2004 RS_{193}	16.9	X	178.29431	157.92357	206.21219	4.42873	0.2411468	0.26376820	2.4079886	21	3 1.3	21.0
232800 2004 RH_{196}	16.8	X	203.55847	343.60267	308.62217	7.74046	0.1265184	0.25799460	2.4437811	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232801 2004 RY_{198}	15.9	X	95.34327	343.31277	326.27411	10.10548	0.1398464	0.24080408	2.5587439	21	12 29.9	20.0
232802 2004 RV_{199}	15.8	X	250.17853	107.44772	286.61717	8.19192	0.2390028	0.21717785	2.7411052	21	6 7.7	20.2
232803 2004 RX_{216}	16.6	X	291.35734	99.84280	279.96175	7.63623	0.2262568	0.22492516	2.6777952	21	7 7.9	19.8
232804 2004 RA_{220}	16.6	X	284.91750	104.60077	288.23224	11.50788	0.2762026	0.22411767	2.6842234	21	7 9.2	20.1
232805 2004 RF_{220}	15.8	X	297.28741	115.18182	276.39186	14.87911	0.1671390	0.22497770	2.6773782	21	8 7.3	19.2
232806 2004 RM_{231}	17.0	X	231.09129	274.67637	192.97247	7.64482	0.2485093	0.22333502	2.6904907	21	8 18.9	21.5
232807 2004 RO_{231}	16.6	X	291.34743	187.54409	13.40095	6.01439	0.0900261	0.25350158	2.4725719	21	—	—
232808 2004 RN_{249}	16.6	X	334.26326	240.66292	207.25549	6.56911	0.1513300	0.24344355	2.5402153	21	—	—
232809 2004 RD_{257}	16.2	X	219.20912	100.72589	329.83026	8.37660	0.1229789	0.22332507	2.6905707	21	7 4.8	20.4
232810 2004 RM_{270}	16.8	X	0.79263	3.27681	174.04832	5.83524	0.1737185	0.26545356	2.3977856	21	1 16.3	19.2
232811 2004 RY_{273}	17.0	X	15.84748	43.64212	120.02759	3.09690	0.1427534	0.26506505	2.4001280	21	1 29.9	19.1
232812 2004 RG_{298}	17.1	X	118.32295	80.41477	14.39963	2.42765	0.0016719	0.26994521	2.3711133	21	3 27.3	19.7
232813 2004 RP_{305}	17.0	X	355.96010	252.64804	132.47357	5.36182	0.1871433	0.23711942	2.5851830	21	12 4.2	19.5
232814 2004 RZ_{310}	16.9	X	17.58470	7.50396	13.26958	3.41434	0.1528914	0.23824289	2.5770494	21	12 29.0	20.0
232815 2004 RH_{312}	16.3	X	209.96680	358.95836	44.50356	5.19595	0.1591214	0.21701484	2.7424776	21	5 18.7	20.6
232816 2004 RW_{313}	16.3	X	186.77426	100.33763	354.26392	5.08996	0.0253270	0.22151801	2.7051833	21	7 3.1	20.1
232817 2004 RA_{322}	16.3	X	307.63694	235.54722	200.57609	8.29508	0.1604539	0.23465485	2.6032529	21	11 7.9	18.9
232818 2004 RP_{325}	16.3	X	0.63604	73.30092	348.39373	11.63891	0.1701508	0.23946324	2.5682866	21	—	—
232819 2004 RF_{326}	15.9	X	354.66399	99.16878	291.33222	7.72145	0.1592238	0.23472548	2.6027306	21	12 3.6	18.6
232820 2004 RG_{336}	17.3	X	246.39944	58.16302	228.97521	4.03812	0.2138723	0.26432785	2.4045885	21	1 21.7	21.4
232821 2004 RY_{340}	15.6	X	294.37596	227.97679	104.33297	16.23064	0.2081658	0.22054721	2.7131158	21	5 17.2	19.5
232822 2004 RU_{345}	17.4	X	338.09119	160.43912	140.88334	5.98023	0.2238324	0.28331875	2.2958976	21	6 6.0	19.0
232823 2004 ST_{22}	16.6	X	254.57758	63.20482	7.86718	12.67497	0.2558006	0.22277047	2.6950344	21	8 1.2	20.9
232824 2004 SQ_{25}	16.9	X	334.98465	213.30865	216.43685	3.54370	0.2304963	0.23627053	2.5913715	21	12 28.4	19.0
232825 2004 SE_{40}	16.3	X	243.97964	253.92324	196.88142	12.52711	0.2227661	0.22414181	2.6840306	21	8 11.3	20.7
232826 2004 SD_{50}	15.8	X	304.29406	308.65395	20.85859	5.46485	0.0660319	0.22034574	2.7147693	21	6 12.7	19.4
232827 2004 SX_{51}	15.9	X	249.89575	309.33201	73.45008	7.66627	0.2701814	0.21622566	2.7491466	21	5 22.4	20.5
232828 2004 SR_{60}	15.7	X	106.08315	170.92283	225.94468	14.16866	0.0966609	0.19598288	2.9353324	21	1 17.8	20.0
232829 2004 SS_{60}	16.0	X	204.40189	77.64880	296.03607	7.89764	0.1498759	0.20662497	2.8336585	21	4 4.2	20.8
232830 2004 TG	17.3	X	274.64128	280.19295	33.07294	3.04179	0.1888859	0.27374162	2.3491396	21	3 23.1	20.7
232831 2004 TY_{2}	16.7	X	340.14147	218.19545	13.70204	4.34091	0.1112435	0.26792357	2.3830259	21	3 11.9	19.2
232832 2004 TC_{7}	16.0	X	285.86375	289.66029	155.40570	15.15961	0.3403769	0.22950501	2.6420514	21	9 11.0	19.2
232833 2004 TA_{21}	17.2	X	30.42826	358.45437	0.98553	1.96219	0.0949466	0.23688993	2.5868524	21	12 9.7	20.5
232834 2004 TC_{29}	17.0	X	316.92029	93.44297	156.83584	1.53346	0.1498402	0.26964083	2.3728973	21	2 23.1	20.0
232835 2004 TQ_{30}	17.6	X	322.34249	290.34883	118.09743	1.95672	0.1844542	0.23324024	2.6137681	21	10 26.1	19.8
232836 2004 TF_{47}	16.9	X	274.70050	211.68593	221.59162	1.10741	0.0542121	0.22778522	2.6553332	21	9 23.2	20.1
232837 2004 TZ_{50}	16.2	X	298.37686	203.24552	238.12188	4.10861	0.1346134	0.23131713	2.6282350	21	10 29.7	19.1
232838 2004 TE_{52}	16.7	X	118.60680	33.47868	288.25965	0.66807	0.0894688	0.24444425	2.5332779	21	—	—
232839 2004 TV_{61}	16.6	X	316.56686	20.04449	30.49704	8.25409	0.1794866	0.23310722	2.6147624	21	10 16.7	18.9
232840 2004 TE_{65}	16.7	X	17.40728	254.39871	129.03455	4.27115	0.2001603	0.23892758	2.5721238	21	—	—
232841 2004 TL_{66}	16.6	X	13.55408	228.50067	119.17352	5.88392	0.2053162	0.23401584	2.6079897	21	11 16.5	19.4
232842 2004 TB_{70}	16.5	X	230.70422	272.98390	55.81594	6.33491	0.2463754	0.26734691	2.3864514	21	3 3.1	20.7
232843 2004 TK_{76}	16.3	X	198.07696	38.63908	9.17220	6.35233	0.1009576	0.21413443	2.7670163	21	5 12.7	20.6
232844 2004 TT_{80}	16.9	X	311.33930	144.73918	269.97142	1.90687	0.1384085	0.23253346	2.6190618	21	10 14.4	19.5
232845 2004 TH_{135}	16.5	X	236.55905	200.88646	139.04238	5.39277	0.2035288	0.21131905	2.7915384	21	3 26.4	21.2
232846 2004 TS_{137}	16.4	X	27.71149	310.62133	115.63453	2.34631	0.1390800	0.24503395	2.5292118	21	—	—
232847 2004 TO_{142}	16.9	X	321.11612	225.83124	356.12436	2.12675	0.1796529	0.26309610	2.4120878	21	1 19.2	19.9
232848 2004 TD_{157}	17.3	X	338.98290	180.39904	54.65268	1.92713	0.1439491	0.26891732	2.3771515	21	3 9.2	19.7
232849 2004 TK_{161}	15.7	X	107.10529	139.03302	215.24092	5.09176	0.1374825	0.18888009	3.0084670	21	—	—
232850 2004 TP_{161}	16.4	X	320.96383	226.90344	214.18591	4.42125	0.0629401	0.23608424	2.5927345	21	12 11.9	19.6
232851 2004 TP_{165}	16.6	X	344.87100	334.28822	221.05335	3.92700	0.1730255	0.26376258	2.4080228	21	1 15.9	19.5
232852 2004 TV_{167}	16.8	X	319.42348	263.60737	352.76229	2.04309	0.1605797	0.27215089	2.3582846	21	3 4.9	19.7
232853 2004 TQ_{170}	15.7	X	281.55867	305.40771	62.22147	9.51940	0.2823275	0.22107157	2.7088240	21	5 31.3	19.6
232854 2004 TZ_{180}	17.5	X	56.92327	86.84621	166.32989	2.80025	0.1511375	0.28729064	2.2746874	21	9 9.2	20.0
232855 2004 TL_{201}	16.4	X	302.08417	162.39836	254.87607	4.53783	0.1059735	0.22782999	2.6549853	21	10 3.4	19.5
232856 2004 TD_{208}	17.1	X	269.02862	355.59743	141.91109	2.10929	0.0502161	0.23534245	2.5981798	21	12 11.6	20.5
232857 2004 TQ_{217}	16.6	X	235.76987	352.10653	7.11806	4.04461	0.0883923	0.21336380	2.7736749	21	4 22.9	20.8
232858 2004 TC_{223}	15.9	X	280.22095	247.44426	131.04433	13.98818	0.2304083	0.22044115	2.7139860	21	6 21.9	19.9
232859 2004 TO_{243}	16.7	X	295.49723	225.48002	228.52601	2.21596	0.1792478	0.23246910	2.6195452	21	11 6.5	19.3
232860 2004 TW_{263}	16.4	X	17.16392	157.08306	239.72488	4.34715	0.0893405	0.23899789	2.5716193	21	—	—
232861 2004 TE_{273}	16.1	X	335.81450	151.75135	258.69808	2.88888	0.1298660	0.23302770	2.6153572	21	11 24.5	18.7
232862 2004 TV_{274}	17.2	X	205.78052	213.48824	243.37047	3.25447	0.2534818	0.21599447	2.7511079	21	7 16.6	21.9
232863 2004 TC_{281}	16.9	X	209.67347	52.12311	98.99422	3.07669	0.0154721	0.22875655	2.6478113	21	10 18.1	20.4
232864 2004 TQ_{283}	17.2	X	232.62036	75.30453	200.74421	0.05734	0.1984133	0.26135115	2.4228123	21	—	—
232865 2004 TG_{295}	16.2	X	282.19211	226.47916	250.59771	4.42709	0.0743474	0.23384548	2.6092562	21	11 29.9	19.4
232866 2004 TZ_{295}	16.7	X	250.36559	201.51648	227.48524	4.21042	0.1472882	0.22067062	2.7121042	21	7 31.9	20.7
232867 2004 TA_{344}	16.7	X	307.71654	44.32123	43.99214	3.93947	0.1298927	0.23640232	2.5904083	21	11 26.9	19.4
232868 2004 TS_{354}	16.4	X	345.11265	330.27389	64.32047	4.54166	0.0574133	0.23127119	2.6285830	21	11 15.2	19.5
232869 2004 TN_{359}	17.1	X	45.89773	198.94573	215.70962	2.58498	0.1469823	0.24798405	2.5091130	21	—	—
232870 2004 UQ_{3}	16.4	X	261.87390	15.56415	240.56580	24.39899	0.0457847	0.37031897	1.9205196	21	—	—
232871 2004 VM_{6}	16.3	X	311.85522	297.06562	134.87492	2.19134	0.1199685	0.23171740	2.6252074	21	11 12.1	19.0
232872 2004 VN_{22}	16.8	X	342.36261	75.23275	287.68854	1.22570	0.2424183	0.22914045	2.6448530	21	9 29.2	18.7
232873 2004 VY_{23}	16.3	X	283.62211	270.50280	141.77667	13.17375	0.2162371	0.22441264	2.6818707	21	8 12.5	19.8
232874 2004 VP_{28}	16.4	X	340.77999	77.48511	36.72643	5.52534	0.2635068	0.23974390	2.5662818	21	—	—
232875 2004 VO_{29}	16.3	X	352.20126	335.61364	60.70232	5.94159	0.0856120	0.23380661	2.6095454	21	11 30.2	19.4
232876 2004 VC_{37}	17.1	X	346.65028	118.27691	233.20479	1.03583	0.0928096	0.22619471	2.6677661	21	9 18.7	20.1
232877 2004 VJ_{38}	16.2	X	231.03757	119.76155	52.67797	19.10338	0.1793891	0.23238792	2.6201552	21	11 17.6	20.0
232878 2004 VW_{40}	15.6	X	28.37080	294.19760	53.36399	22.27346	0.0647111	0.23193651	2.6235538	21	11 16.1	18.8
232879 2004 VX_{56}	16.0	X	275.59965	23.67186	355.15475	5.85508	0.1626043	0.21938793	2.7226651	21	6 25.8	19.8
232880 2004 VO_{58}	15.5	X	139.64667	120.64027	260.64786	9.49219	0.0534524	0.19644878	2.9306896	21	2 2.8	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232881 2004 VO_{59}	16.4	X	342.91274	106.01773	291.01874	2.83439	0.1079702	0.23139729	2.6276279	21	11 16.4	19.3
232882 2004 VR_{76}	15.8	X	175.26643	347.27480	84.42501	5.17620	0.0869267	0.21000719	2.8031517	21	5 21.5	20.0
232883 2004 VT_{77}	16.2	X	337.92899	315.91366	115.15206	5.50416	0.1306964	0.23532553	2.5983044	21	12 28.1	18.9
232884 2004 VU_{86}	16.0	X	290.17918	230.36406	287.05490	5.85886	0.1061791	0.24120090	2.5559368	21	—	—
232885 2004 XT_{3}	16.0	X	298.05763	173.66714	269.09499	3.64088	0.0892306	0.22961786	2.6411857	21	11 4.4	19.1
232886 2004 XD_{8}	16.1	X	156.52479	359.65106	142.40063	3.83351	0.1554370	0.21351042	2.7724050	21	8 1.0	20.6
232887 2004 XE_{9}	15.8	X	336.07509	97.67445	289.55797	5.36436	0.0993218	0.22751076	2.6574683	21	10 18.8	18.9
232888 2004 XG_{17}	15.8	X	310.56763	296.89942	86.61419	6.19675	0.0852375	0.21959276	2.7209718	21	9 7.1	19.1
232889 2004 XQ_{18}	14.9	X	276.52942	78.00861	78.30803	8.40447	0.1552530	0.17594944	3.1541145	21	12 17.9	19.0
232890 2004 XC_{23}	15.8	X	106.42839	283.16736	108.10234	4.40485	0.2830379	0.19188128	2.9770147	21	2 12.2	20.1
232891 2004 XH_{25}	16.1	X	290.97699	251.10904	295.61163	7.89871	0.1045251	0.23874967	2.5734014	21	—	—
232892 2004 XR_{29}	16.4	X	68.78211	295.92906	68.30076	5.03940	0.2472701	0.24224359	2.5485971	21	—	—
232893 2004 XB_{31}	15.0	X	345.28116	299.29856	251.28607	16.32454	0.1516947	0.19204033	2.9753707	21	1 26.4	19.0
232894 2004 XJ_{32}	16.3	X	9.34717	145.95892	212.66053	1.89616	0.1991281	0.23039833	2.6352177	21	11 20.7	19.1
232895 2004 XV_{35}	15.6	X	95.60297	343.22235	73.72007	9.50060	0.1199271	0.19175807	2.9782897	21	2 9.4	19.7
232896 2004 XC_{36}	16.6	X	199.88413	233.74289	275.42903	5.01678	0.2383431	0.21924252	2.7238689	21	9 12.5	21.4
232897 2004 XT_{39}	16.6	X	323.00722	285.63094	121.67246	1.40607	0.1199324	0.22835039	2.6509500	21	10 27.4	19.3
232898 2004 XM_{41}	15.2	X	47.83441	277.98330	100.97537	20.67816	0.1019577	0.17389196	3.1789453	21	—	—
232899 2004 XG_{49}	16.1	X	261.05276	277.61607	143.73289	2.74177	0.2808027	0.21892236	2.7265238	21	7 18.3	20.2
232900 2004 XG_{51}	16.3	X	220.22957	137.33256	284.43605	5.40225	0.1888081	0.21034128	2.8001828	21	6 19.2	20.8
232901 2004 XX_{81}	15.4	X	341.99340	38.40400	114.65772	15.41050	0.2430556	0.17914457	3.1164987	21	—	—
232902 2004 XX_{84}	16.3	X	210.32834	0.92116	102.66073	9.32945	0.1853983	0.21241861	2.7818967	21	8 2.7	20.9
232903 2004 XO_{87}	16.8	X	335.86670	326.60517	92.54367	1.98046	0.1455306	0.23312601	2.6146219	21	12 7.9	19.4
232904 2004 XL_{92}	14.8	X	52.40697	301.42863	72.57293	24.40900	0.1857244	0.17911538	3.1168372	21	—	—
232905 2004 XS_{101}	15.8	X	184.14864	98.21378	105.73865	13.86615	0.2150721	0.22243933	2.6977084	21	11 12.8	20.5
232906 2004 XG_{121}	16.0	X	133.15473	234.01101	273.29429	5.59233	0.2432234	0.20502938	2.8483410	21	7 21.6	20.8
232907 2004 XQ_{129}	15.7	X	144.15055	116.28784	276.04064	9.91591	0.1055238	0.19528916	2.9422797	21	2 25.9	20.2
232908 2004 XE_{136}	16.6	X	268.28870	80.12590	314.44123	4.41447	0.2109931	0.21808998	2.7334570	21	6 30.9	20.6
232909 2004 XM_{136}	15.6	X	239.58160	289.43984	272.08220	27.77851	0.3359141	0.23153356	2.6265968	21	12 14.3	19.5
232910 2004 XH_{137}	16.2	X	239.95297	169.97350	317.81157	7.69518	0.0703062	0.22334847	2.6903827	21	10 12.4	20.1
232911 2004 XK_{147}	15.6	X	188.57962	165.00495	309.05921	8.60174	0.1097019	0.21461427	2.7628904	21	7 28.4	19.8
232912 2004 YR_{3}	16.5	X	228.93683	19.99870	72.77700	0.58611	0.0294438	0.21351246	2.7723873	21	8 22.6	20.4
232913 2004 YJ_{4}	14.7	X	356.76785	213.74765	328.60932	16.51894	0.2213962	0.18028540	3.1033375	21	2 6.5	18.0
232914 2004 YG_{15}	15.9	X	272.62025	303.57892	94.16064	5.66777	0.0776486	0.21281886	2.7784077	21	7 30.9	19.6
232915 2004 YN_{23}	16.4	X	140.75184	12.22644	112.01385	2.28225	0.0417843	0.20242106	2.8727572	21	6 15.4	20.3
232916 2004 YV_{25}	15.6	X	38.66716	290.00202	107.34584	10.16596	0.0726530	0.17412061	3.1761617	21	—	—
232917 2004 YF_{32}	15.5	X	29.04069	100.93182	357.77232	15.16772	0.3436266	0.18151215	3.0893391	21	—	—
232918 2005 AN_{7}	15.1	X	251.01797	97.32056	105.55110	12.93614	0.1370183	0.17194528	3.2028938	21	—	—
232919 2005 AQ_{10}	15.6	X	202.58223	115.43072	87.93289	13.73365	0.1315376	0.22550165	2.6732295	21	12 1.8	19.7
232920 2005 AQ_{16}	15.8	X	24.83088	16.53717	115.94735	6.29376	0.1527913	0.18637840	3.0353283	21	1 25.8	19.3
232921 2005 AH_{21}	15.8	X	205.59803	292.05818	103.35668	11.32706	0.1138001	0.20131376	2.8832817	21	5 10.9	20.4
232922 2005 AP_{26}	16.0	X	328.35755	102.63381	230.15717	4.07774	0.2587210	0.27395230	2.3479351	21	6 29.8	17.6
232923 Adalovelace	16.7	X	260.16944	64.36595	11.44534	1.09966	0.0565667	0.21571257	2.7535042	21	9 5.9	20.3
232924 2005 AB_{30}	15.8	X	34.61822	0.31205	71.00227	13.69476	0.1779991	0.23854272	2.5748896	21	—	—
232925 2005 AL_{30}	15.4	X	38.37606	157.48333	14.54209	15.82072	0.1088255	0.19077091	2.9885552	21	4 8.1	18.9
232926 2005 AN_{34}	15.7	X	288.97872	241.95527	290.46491	5.17818	0.1008689	0.17504317	3.1649919	21	—	—
232927 2005 AO_{36}	15.5	X	92.45562	280.68106	306.08372	16.23414	0.0932058	0.21076558	2.7964234	21	8 29.6	19.7
232928 2005 AO_{41}	16.2	X	305.99431	295.16412	113.61102	3.85076	0.0894467	0.22073578	2.7115705	21	10 3.2	19.4
232929 2005 AB_{49}	16.5	X	250.94947	299.87625	107.05410	3.16348	0.0767954	0.21147071	2.7902037	21	7 14.2	20.5
232930 2005 AM_{49}	15.3	X	19.36710	304.48940	137.04891	17.65850	0.0993225	0.17815210	3.1280625	21	—	—
232931 2005 AF_{51}	15.3	X	251.34985	47.61584	135.71997	10.96099	0.0238068	0.17235940	3.1977615	21	—	—
232932 2005 AY_{51}	15.8	X	302.93251	48.58414	106.52689	11.60471	0.1489312	0.17380650	3.1799872	21	—	—
232933 2005 AM_{72}	16.3	X	236.26080	297.19776	105.86207	3.07393	0.0824196	0.20644995	2.8352598	21	6 20.7	20.4
232934 2005 AM_{81}	15.1	X	327.10888	127.99642	23.91353	14.64749	0.1074088	0.17857466	3.1231259	21	—	—
232935 2005 AX_{82}	16.1	X	207.70549	91.89014	319.88450	13.95547	0.1471242	0.20467473	2.8516304	21	5 25.7	21.0
232936 2005 BX_{2}	15.2	X	53.35354	311.48789	132.31536	9.67353	0.0822878	0.17486788	3.1671067	21	1 10.6	19.3
232937 2005 BM_{13}	15.5	X	344.55028	180.60925	302.87324	4.17116	0.1034130	0.17611364	3.1521538	21	—	—
232938 2005 BL_{28}	15.3	X	328.77758	217.35026	291.67399	8.45937	0.0819708	0.17678149	3.1442099	21	—	—
232939 2005 BB_{31}	16.4	X	119.91597	106.92061	116.07350	2.97441	0.0983540	0.21447725	2.7640669	21	10 3.5	20.5
232940 2005 BD_{36}	16.4	X	292.67590	253.34914	134.90120	4.25986	0.1029398	0.21426888	2.7658587	21	8 10.8	19.9
232941 2005 CD_{11}	15.9	X	275.07432	199.15620	131.83209	12.90930	0.0558969	0.19660262	2.9291605	21	5 13.9	20.2
232942 2005 CV_{18}	16.5	X	147.00667	296.80186	137.54045	11.31196	0.1053624	0.19614290	2.9337357	21	4 30.3	21.1
232943 2005 CD_{31}	16.1	X	182.80589	326.89147	77.37437	2.91345	0.1014953	0.19569450	2.9382154	21	4 26.4	20.5
232944 2005 CL_{34}	14.9	X	76.84180	298.76738	342.01187	7.75954	0.1116984	0.15519322	3.4294217	21	10 17.5	19.9
232945 2005 CD_{45}	16.3	X	339.10075	225.28801	102.20082	3.34754	0.0442779	0.20634987	2.8361765	21	8 4.4	19.8
232946 2005 CQ_{51}	15.5	X	42.62092	159.60507	334.68147	11.82783	0.1045287	0.18546457	3.0452906	21	2 25.7	19.0
232947 2005 EP_{5}	15.6	X	34.27493	4.12577	132.89852	3.68067	0.1254575	0.18173180	3.0868493	21	2 18.3	19.1
232948 2005 EX_{6}	15.4	X	339.67937	207.28177	354.05748	10.01232	0.0381639	0.18214958	3.0821275	21	2 24.4	19.7
232949 Muhina	16.1	X	317.95683	200.62428	31.11252	1.57236	0.1914666	0.18203352	3.0834374	21	2 10.9	20.2
232950 2005 EU_{9}	15.8	X	356.15516	167.51145	334.26454	4.15323	0.0904389	0.17633065	3.1495669	21	—	—
232951 2005 EF_{10}	15.2	X	355.51019	157.79436	343.78203	17.35560	0.1734373	0.17676186	3.1444427	21	—	—
232952 2005 EC_{17}	15.6	X	158.17112	334.88778	4.44711	2.07185	0.0799877	0.17448339	3.1717576	21	1 15.0	20.4
232953 2005 EO_{18}	15.9	X	272.29793	213.88580	37.11685	1.27655	0.1341676	0.17622595	3.1508143	21	1 22.1	20.7
232954 2005 EM_{19}	16.3	X	50.11989	325.37575	147.51866	1.38628	0.1395845	0.18114056	3.0935626	21	2 14.1	20.0
232955 2005 ER_{19}	15.4	X	11.56167	43.49065	227.69590	1.19474	0.0998681	0.19751641	2.9201193	21	7 8.2	18.8
232956 2005 ED_{21}	15.2	X	233.25160	140.61533	149.31757	11.35667	0.0138602	0.18033439	3.1027755	21	2 3.5	19.7
232957 2005 EU_{24}	16.1	X	162.22251	219.73697	22.34504	8.45448	0.2237252	0.21672459	2.7449257	21	12 2.9	20.9
232958 2005 EG_{25}	15.2	X	108.80578	299.20790	151.53098	11.59100	0.0289875	0.18634450	3.0356964	21	3 27.2	19.5
232959 2005 EJ_{27}	16.2	X	229.15878	331.48923	167.62332	17.50043	0.1890481	0.21601566	2.7509280	21	10 4.9	20.4
232960 2005 ES_{35}	14.9	X	19.52796	150.17062	343.62719	16.01895	0.0809269	0.17804252	3.1293458	21	1 27.4	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
232961 2005 EZ_{36}	15.2	X	31.98507	157.42111	19.88890	8.79228	0.1243033	0.18508096	3.0494971	21	4 7.5	18.6
232962 2005 ES_{38}	17.0	X	174.22218	273.40864	141.57784	23.87644	0.1076599	0.37268637	1.9123779	21	4 25.3	19.9
232963 2005 EV_{48}	15.1	X	10.37107	236.80745	341.61859	11.88138	0.1251810	0.19031375	2.9933393	21	4 18.8	18.8
232964 2005 EA_{50}	15.6	X	78.16038	23.93965	83.49131	3.59227	0.0680667	0.18451462	3.0557338	21	3 13.8	19.7
232965 2005 EF_{66}	15.6	X	179.40131	106.01029	106.32693	15.97267	0.1022954	0.21659091	2.7460550	21	11 23.1	20.0
232966 2005 EG_{67}	15.2	X	353.43509	176.44923	358.21151	6.55801	0.0851539	0.18012209	3.1052130	21	2 5.8	19.2
232967 2005 EY_{70}	16.5	X	351.11649	300.14652	357.78826	5.61354	0.0548741	0.20042493	2.8917998	21	7 13.2	20.3
232968 2005 EG_{76}	17.1	X	332.86243	259.31542	305.71361	0.85940	0.0347868	0.24204211	2.5500112	21	2 7.3	20.2
232969 2005 EX_{83}	15.4	X	28.40279	131.49131	324.21089	16.15689	0.2078704	0.17772727	3.1330452	21	—	—
232970 2005 EB_{84}	15.4	X	340.23575	16.83340	187.50945	10.46849	0.0389192	0.18276276	3.0752298	21	2 24.6	19.8
232971 2005 ET_{86}	14.6	X	292.29970	85.77973	143.47641	25.08546	0.2636979	0.17451884	3.1713281	21	1 4.1	19.9
232972 2005 EZ_{91}	16.1	X	198.87036	46.07777	146.88547	8.14080	0.0692905	0.21625835	2.7488695	21	11 20.4	20.2
232973 2005 EK_{92}	15.8	X	39.87256	207.23794	328.21623	3.07637	0.1649487	0.18717331	3.0267283	21	4 20.2	19.2
232974 2005 EC_{99}	15.5	X	327.35169	250.59787	327.20752	9.18546	0.0518179	0.18392822	3.0622253	21	2 23.9	19.8
232975 2005 ER_{101}	15.1	X	282.24377	98.26130	130.47078	10.17441	0.0438475	0.17493031	3.1663530	21	1 16.6	19.5
232976 2005 ET_{102}	16.0	X	196.12338	300.51332	132.22685	7.27764	0.0510895	0.20316918	2.8657007	21	6 15.4	20.2
232977 2005 EF_{104}	15.3	X	125.65073	224.78305	166.12861	11.85550	0.2413955	0.18280751	3.0747279	21	2 25.8	20.0
232978 2005 EF_{118}	15.3	X	342.42496	306.26111	265.39528	10.41688	0.1988777	0.18313863	3.0710207	21	2 14.7	19.3
232979 2005 EG_{124}	16.2	X	52.63372	58.11711	135.27575	3.59942	0.1190086	0.19124636	2.9836000	21	6 1.6	19.9
232980 2005 EO_{124}	15.3	X	39.24426	317.62258	184.26350	11.31374	0.2054382	0.18341506	3.0679343	21	3 8.3	18.4
232981 2005 EP_{126}	15.1	X	346.28028	218.83475	13.44573	7.89469	0.2076695	0.18311769	3.0712548	21	3 25.3	18.5
232982 2005 ER_{131}	15.5	X	69.49392	147.22594	359.13170	9.83862	0.0287294	0.19170153	2.9788753	21	4 10.2	19.6
232983 2005 EM_{132}	16.3	X	44.42585	335.09888	218.63356	3.34960	0.2034259	0.19161266	2.9797964	21	5 30.6	19.5
232984 2005 ET_{132}	16.0	X	138.95453	330.59629	323.77508	9.95980	0.1938417	0.22088840	2.7103213	21	—	—
232985 2005 ES_{134}	15.7	X	290.56371	347.42930	257.01268	1.58951	0.0660355	0.18165280	3.0877443	21	2 9.5	20.1
232986 2005 EF_{136}	15.2	X	19.13407	164.39946	357.76188	17.73573	0.0690285	0.18161289	3.0881966	21	3 2.0	19.2
232987 2005 EJ_{138}	15.2	X	309.70269	88.43048	142.16656	12.75512	0.1659974	0.17886099	3.1197920	21	2 2.5	19.6
232988 2005 EY_{142}	16.0	X	70.77587	353.99481	138.10826	5.13192	0.2429778	0.18730692	3.0252887	21	4 29.6	19.8
232989 2005 EP_{143}	15.8	X	36.54593	291.65726	163.77038	5.45344	0.1342494	0.17639298	3.1488250	21	—	—
232990 2005 EG_{146}	16.2	X	341.37729	76.95475	135.86183	2.10403	0.1143039	0.18219577	3.0816065	21	3 3.0	20.1
232991 2005 ES_{147}	15.9	X	268.84858	158.68150	108.65731	2.60926	0.1227463	0.17692709	3.1424847	21	2 7.8	20.6
232992 2005 EW_{155}	15.4	X	307.30639	267.42740	15.72420	10.32749	0.0786601	0.18639423	3.0351563	21	4 16.0	19.4
232993 2005 EM_{158}	16.0	X	100.58973	86.95699	357.17331	3.70790	0.1347734	0.18502514	3.0501103	21	3 21.2	20.2
232994 2005 ES_{160}	15.8	X	103.43856	118.34068	19.98407	9.90146	0.0798236	0.19101214	2.9860385	21	5 21.5	20.1
232995 2005 EC_{162}	15.6	X	121.56818	90.91157	25.36668	9.38175	0.0603720	0.19003475	2.9962683	21	5 13.4	20.0
232996 2005 EW_{162}	15.8	X	19.95550	147.94114	19.41980	4.28837	0.0511001	0.18267860	3.0761742	21	3 6.9	19.9
232997 2005 ER_{174}	16.1	X	61.09027	103.67556	344.99682	11.04154	0.2787819	0.18187175	3.0852656	21	2 20.8	19.3
232998 2005 EO_{177}	15.9	X	35.49848	12.02497	184.91939	3.23459	0.0995872	0.18737877	3.0245154	21	5 8.2	19.5
232999 2005 EC_{180}	16.0	X	87.58876	237.95278	195.01291	5.93620	0.0910641	0.18102726	3.0948533	21	2 11.6	20.3
233000 2005 EX_{181}	15.9	X	52.20851	16.38077	111.20641	4.47269	0.0504237	0.18363642	3.0654683	21	3 1.7	19.9
233001 2005 EF_{184}	15.5	X	222.99932	36.99285	303.81291	0.63049	0.1163388	0.18380780	3.0635626	21	3 19.9	20.2
233002 2005 EJ_{185}	15.1	X	291.79748	337.35909	258.25522	9.15193	0.1695165	0.17551872	3.1592725	21	1 18.1	19.8
233003 2005 EG_{189}	15.4	X	58.08334	297.10280	236.72960	11.32016	0.1166847	0.19111008	2.9850183	21	5 13.6	19.2
233004 2005 ED_{194}	16.0	X	33.41182	330.46627	187.71088	4.18188	0.1379010	0.18432329	3.0578480	21	3 15.6	19.6
233005 2005 EA_{200}	15.9	X	84.89575	1.53897	89.05214	6.58987	0.1506748	0.18645797	3.0344647	21	3 14.6	19.9
233006 2005 EY_{203}	15.5	X	279.10971	151.08799	128.34357	10.64738	0.0681717	0.19011542	2.9954206	21	3 12.5	19.8
233007 2005 EE_{206}	15.7	X	58.73546	210.13646	327.81303	3.02877	0.1076166	0.18956354	3.0012316	21	5 18.1	19.5
233008 2005 EG_{206}	15.9	X	23.65520	168.40691	358.53617	9.87105	0.1528149	0.18232961	3.0800983	21	3 11.9	19.3
233009 2005 EQ_{207}	15.4	X	291.08399	296.97338	336.31055	4.49121	0.0726324	0.18434434	3.0576153	21	3 15.5	19.8
233010 2005 EY_{208}	15.6	X	217.66803	111.83860	188.98116	4.64300	0.1166166	0.17774083	3.1328859	21	1 27.4	20.5
233011 2005 EX_{213}	15.0	X	293.27267	17.20375	241.15415	7.92469	0.0939970	0.18210395	3.0826423	21	2 22.5	19.6
233012 2005 EG_{214}	15.3	X	116.38373	111.10971	337.55635	8.75230	0.0408341	0.18636089	3.0355184	21	3 29.9	19.6
233013 2005 EH_{216}	15.7	X	208.09868	133.62997	162.94857	1.06756	0.1750607	0.16963366	3.2319256	21	1 16.1	20.9
233014 2005 EJ_{216}	15.7	X	110.93451	71.84923	11.61906	9.69103	0.0646183	0.18323590	3.0699337	21	3 24.4	20.0
233015 2005 EP_{219}	15.6	X	38.06132	280.65243	198.73912	4.82975	0.0986323	0.17683510	3.1435743	21	1 31.2	19.6
233016 2005 EZ_{224}	14.4	X	307.69222	90.22208	110.23886	32.86386	0.0346427	0.16992051	3.2282873	21	1 15.1	19.0
233017 2005 EC_{247}	16.3	X	345.54974	153.57288	60.61100	0.65084	0.1193001	0.18305035	3.0720080	21	3 10.2	20.0
233018 2005 EP_{248}	15.5	X	182.42380	160.70072	181.22610	6.34916	0.0859540	0.17826493	3.1267425	21	2 9.7	20.3
233019 2005 EG_{251}	15.2	X	323.67836	5.93443	274.18032	2.86890	0.1758409	0.19163834	2.9795302	21	4 20.8	18.9
233020 2005 ER_{257}	15.8	X	3.44986	191.29351	342.72100	4.42986	0.1119407	0.18020842	3.1042212	21	2 16.3	19.4
233021 2005 EY_{257}	15.8	X	316.61106	91.98951	212.77831	3.65928	0.0631211	0.19291379	2.9663828	21	5 30.4	19.6
233022 2005 EG_{261}	15.5	X	167.57749	47.68776	17.84698	10.20372	0.0912239	0.19298226	2.9656812	21	5 3.7	20.1
233023 2005 ER_{264}	15.7	X	30.57567	306.36255	267.71162	1.71647	0.0980563	0.19091701	2.9870303	21	5 22.0	19.3
233024 2005 EN_{269}	16.1	X	100.15894	341.32867	326.03127	2.97442	0.1684616	0.21400644	2.7681194	21	12 28.4	20.5
233025 2005 EX_{270}	15.8	X	182.16916	221.75487	19.76564	13.45672	0.2135697	0.22227195	2.6990625	21	12 19.3	20.6
233026 2005 ET_{271}	15.8	X	39.27967	118.83922	87.21504	4.67490	0.0654401	0.19282182	2.9673260	21	5 22.8	19.6
233027 2005 EQ_{274}	14.9	X	357.02695	275.94385	307.94516	10.82430	0.0896948	0.18700224	3.0285739	21	4 5.2	19.0
233028 2005 EP_{278}	16.1	X	123.58397	172.68862	95.65319	9.82382	0.2716847	0.21279814	2.7785881	21	12 7.2	21.1
233029 2005 EE_{280}	15.3	X	20.59011	51.84700	141.77247	10.80311	0.1349919	0.18516750	3.0485469	21	4 14.0	19.0
233030 2005 EC_{284}	15.3	X	319.95705	92.93500	136.07788	16.72928	0.0380337	0.18532651	3.0468028	21	3 5.2	19.6
233031 2005 EJ_{290}	15.6	X	350.99491	198.16149	329.68019	16.55084	0.1610695	0.17665458	3.1457155	21	1 19.1	19.6
233032 2005 EM_{292}	16.0	X	118.28617	142.82645	115.91505	9.01671	0.1809834	0.20992704	2.8038652	21	11 19.9	20.7
233033 2005 ER_{293}	15.4	X	46.60425	32.00393	127.42118	11.31787	0.0265789	0.18870281	3.0103510	21	4 3.8	19.6
233034 2005 EM_{295}	15.7	X	346.31061	209.33427	6.98561	2.36165	0.0427237	0.18349507	3.0670424	21	3 21.2	19.7
233035 2005 EQ_{318}	15.3	X	29.85397	112.88986	104.67828	11.41032	0.0723231	0.19083453	2.9878910	21	5 26.6	19.2
233036 2005 EG_{330}	15.3	X	21.55668	51.36471	105.77061	10.74433	0.1139972	0.18295397	3.0730868	21	2 25.9	19.1
233037 2005 FA_{8}	14.9	X	214.13893	142.57995	147.99377	19.03567	0.0987839	0.17020320	3.2247117	21	1 14.5	20.2
233038 2005 GE_{3}	15.5	X	152.33556	139.64295	98.42631	16.54473	0.1428995	0.21480996	2.7612122	21	11 26.0	20.1
233039 2005 GB_{13}	15.3	X	48.90042	330.63298	130.18434	6.95762	0.1575431	0.17606066	3.1527861	21	1 30.3	18.9
233040 2005 GC_{19}	15.8	X	11.00794	199.96869	353.29788	3.95885	0.1573531	0.18355246	3.0664031	21	3 22.3	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233041 2005 GH_{22}	15.2	X	308.37048	95.75245	143.25372	11.59664	0.0664323	0.17866111	3.1221184	21	2 26.4	19.4
233042 2005 GN_{27}	15.8	X	319.97773	36.54750	160.01768	1.94961	0.1323268	0.17423410	3.1747823	21	1 11.2	20.1
233043 2005 GQ_{28}	15.3	X	30.11779	332.25205	215.40111	8.38258	0.0501981	0.18495058	3.0509301	21	4 13.6	19.4
233044 2005 GF_{33}	14.6	X	312.48658	74.64817	159.47126	25.94715	0.2354530	0.17484752	3.1673525	21	1 31.4	19.3
233045 2005 GE_{37}	14.6	X	310.11784	76.92807	142.80239	18.15039	0.1310334	0.17523184	3.1627196	21	1 26.4	19.0
233046 2005 GO_{41}	16.8	X	254.93430	338.79571	203.76095	2.21978	0.1292731	0.22872645	2.6480436	21	—	—
233047 2005 GB_{47}	15.7	X	256.65788	72.99810	194.85959	1.82343	0.0534884	0.17633098	3.1495630	21	2 1.5	20.4
233048 2005 GK_{49}	15.6	X	7.49635	80.85445	63.07232	2.19711	0.1606132	0.17534334	3.1613788	21	1 12.9	19.3
233049 2005 GT_{57}	15.3	X	168.16296	325.94348	39.26625	8.78817	0.1190546	0.17598573	3.1536809	21	3 2.3	20.3
233050 2005 GU_{67}	15.0	X	326.49469	76.10712	87.61467	22.80363	0.0751356	0.17111477	3.2132491	21	—	—
233051 2005 GP_{77}	15.4	X	67.87607	333.64067	158.50763	13.47171	0.1336987	0.18508648	3.0494365	21	4 10.1	19.4
233052 2005 GG_{79}	15.4	X	64.15498	14.26595	120.81422	16.88590	0.2150733	0.18379505	3.0637043	21	4 25.0	19.5
233053 2005 GW_{80}	15.2	X	79.03793	53.00364	35.06018	11.80851	0.0567350	0.17465530	3.1696760	21	2 23.1	19.7
233054 2005 GA_{88}	15.8	X	75.43725	168.34684	359.83318	8.83597	0.1057909	0.19037563	2.9926906	21	5 27.8	19.9
233055 2005 GA_{111}	16.1	X	346.74279	235.95016	15.94470	1.12259	0.0357011	0.18842142	3.0133473	21	5 5.9	20.2
233056 2005 GP_{112}	15.7	X	15.49181	233.53343	333.48122	4.73386	0.0625896	0.18477025	3.0529148	21	4 16.4	19.6
233057 2005 GV_{114}	15.9	X	353.70195	9.65552	176.56893	0.41073	0.1231396	0.17814528	3.1281424	21	2 15.4	19.5
233058 2005 GU_{127}	15.3	X	309.43076	96.46648	144.05007	25.39507	0.2597493	0.17534038	3.1614143	21	2 1.9	19.9
233059 2005 GH_{136}	15.6	X	274.10695	112.12149	177.54295	9.97165	0.1927655	0.17643216	3.1483588	21	3 2.4	20.5
233060 2005 GX_{141}	14.8	X	351.12312	89.08790	70.20401	23.67753	0.1761537	0.17286257	3.1915531	21	1 2.5	18.9
233061 2005 GH_{146}	16.1	X	20.18243	272.65720	215.07617	4.32589	0.1807091	0.17545389	3.1600507	21	1 12.3	19.6
233062 2005 GO_{149}	15.6	X	320.19622	87.67600	186.27433	9.21566	0.1594117	0.18248093	3.0783953	21	4 13.2	19.5
233063 2005 GD_{162}	16.4	X	20.45953	112.32122	40.99922	1.53331	0.1321955	0.17715633	3.1397732	21	2 17.5	19.9
233064 2005 GJ_{166}	16.2	X	32.04213	61.01392	103.97992	1.87801	0.2042051	0.18258896	3.0771810	21	3 27.9	19.2
233065 2005 GL_{167}	15.7	X	325.23405	158.35963	49.08734	5.82433	0.1304531	0.17410530	3.1763479	21	2 2.7	20.0
233066 2005 GT_{208}	15.0	X	5.96414	16.25572	92.54007	18.03326	0.0623973	0.17152577	3.2081141	21	—	—
233067 2005 JR	15.3	X	310.24371	143.76187	101.59936	3.64986	0.1334491	0.17693037	3.1424457	21	2 27.8	19.5
233068 2005 JT_{3}	15.5	X	2.13034	280.64272	290.80630	6.72906	0.1592060	0.18151747	3.0892787	21	3 27.1	19.1
233069 2005 JJ_{67}	14.9	X	250.91431	98.30819	113.02263	14.11249	0.0247881	0.16203517	3.3321908	21	—	—
233070 2005 JS_{68}	15.2	X	19.27877	12.81270	122.12036	12.28088	0.2171644	0.17527369	3.1622162	21	1 19.3	18.3
233071 2005 JY_{70}	15.4	X	222.85819	143.81545	175.15332	7.75927	0.1827895	0.17235217	3.1978509	21	2 20.7	20.8
233072 2005 JC_{80}	17.9	X	107.42843	324.32062	315.18917	0.65264	0.1808633	0.26774749	2.3840706	21	12 10.1	21.7
233073 2005 JP_{106}	15.0	X	347.48943	185.43709	335.45941	22.06823	0.1459782	0.17455802	3.1708536	21	1 9.4	19.3
233074 2005 LQ_{10}	15.4	X	237.59035	230.90369	199.75298	11.61775	0.0378590	0.19420235	2.9532467	21	7 30.1	19.8
233075 2005 NX_{14}	15.1	X	306.42141	177.86338	123.99730	11.77153	0.2054568	0.17616047	3.1515950	21	4 27.3	19.5
233076 2005 ND_{15}	14.8	X	285.03533	29.41047	280.12781	14.88746	0.2691450	0.17266641	3.1939699	21	3 21.4	20.0
233077 2005 NE_{26}	15.3	X	270.99050	215.20885	103.25618	10.47252	0.1887734	0.17096869	3.2150791	21	4 9.4	20.4
233078 2005 NF_{63}	16.4	X	129.61237	77.67306	282.27807	21.77657	0.1748803	0.27487323	2.3426878	21	—	—
233079 2005 NM_{123}	17.4	X	125.92731	224.00183	139.54502	2.88308	0.2009969	0.27482970	2.3429352	21	1 2.6	20.2
233080 2005 PG	16.2	X	180.49085	294.65777	72.98535	3.55132	0.3468239	0.27971003	2.3156026	21	3 13.4	20.5
233081 2005 QW_{16}	17.1	X	58.23524	334.68462	107.97620	1.55029	0.2503920	0.27025015	2.3693293	21	—	—
233082 2005 QX_{74}	16.9	X	224.88064	65.24536	245.63190	11.60036	0.1305455	0.28587535	2.2821888	21	1 27.3	20.5
233083 2005 QA_{75}	17.2	X	258.15350	34.33613	346.58202	6.58244	0.1761045	0.29797602	2.2199771	21	6 1.7	20.4
233084 2005 QH_{86}	17.1	X	126.15785	107.52135	286.66172	3.54825	0.1380380	0.27233473	2.3572231	21	2 3.2	20.1
233085 2005 QV_{89}	17.4	X	151.55162	45.50348	318.42045	5.32165	0.1374575	0.27921932	2.3183148	21	1 25.2	20.6
233086 2005 QQ_{114}	16.9	X	228.48718	70.01224	342.00389	6.28436	0.1183563	0.29617323	2.2289766	21	6 18.5	20.0
233087 2005 QZ_{188}	18.0	X	272.03587	231.75887	208.82403	2.40907	0.0191337	0.30997455	2.1623136	21	10 16.1	20.2
233088 2005 RZ_{3}	17.2	X	181.98033	31.69803	2.22904	7.45770	0.1652020	0.28598158	2.2816237	21	4 5.4	20.8
233089 2005 RZ_{17}	17.3	X	69.35945	47.85160	68.08258	3.42373	0.1160614	0.28163707	2.3050278	21	2 27.9	19.4
233090 2005 RM_{26}	17.2	X	233.44236	60.32005	337.85646	6.50913	0.1698773	0.29601900	2.2297508	21	5 30.1	20.6
233091 2005 RF_{28}	17.3	X	330.67448	14.02750	318.47732	6.15546	0.2144763	0.30260978	2.1972564	21	7 15.4	18.4
233092 2005 RO_{30}	16.4	X	112.26576	91.10484	311.52851	11.26847	0.2181589	0.27230521	2.3573935	21	2 8.2	19.1
233093 2005 RV_{33}	15.5	X	318.25583	32.40806	312.74781	12.58511	0.2107283	0.23766585	2.5812190	21	7 8.4	18.1
233094 2005 RN_{45}	17.3	X	190.94505	104.43161	325.18008	2.10073	0.1405637	0.29229925	2.2486278	21	5 31.5	20.6
233095 2005 SJ_{3}	17.2	X	325.15328	353.70836	322.82361	3.06117	0.1755503	0.29891264	2.2153373	21	6 8.3	18.9
233096 2005 SX_{8}	16.9	X	186.97172	210.92689	182.75822	5.86061	0.1011489	0.28503064	2.2866956	21	4 9.7	20.0
233097 2005 SL_{24}	17.0	X	257.24121	264.05317	118.34980	5.22918	0.1778830	0.29669962	2.2263395	21	6 4.7	20.2
233098 2005 SC_{27}	16.9	X	48.64613	244.18462	272.98064	4.97656	0.1108618	0.28256824	2.2999611	21	3 17.9	19.1
233099 2005 SA_{48}	17.7	X	139.86467	245.90453	320.54974	2.33008	0.0581714	0.30774554	2.1727422	21	10 9.8	20.5
233100 2005 SR_{56}	17.9	X	55.88374	241.95187	168.64870	5.22956	0.2266955	0.26660986	2.3908477	21	—	—
233101 2005 SE_{78}	17.0	X	208.58758	231.46577	177.94062	4.66737	0.1209505	0.29194719	2.2504352	21	5 24.4	20.3
233102 2005 SF_{81}	17.2	X	149.28752	71.96380	9.71793	5.50582	0.1292024	0.28697413	2.2763597	21	5 2.1	20.4
233103 2005 SA_{90}	17.4	X	156.37450	248.34911	208.45915	3.14251	0.1284733	0.28819747	2.2699133	21	6 1.4	20.6
233104 2005 SX_{94}	16.2	X	39.01953	216.01036	213.50775	22.74149	0.2265346	0.26487974	2.4012473	21	—	—
233105 2005 SO_{103}	16.9	X	108.49299	162.84889	186.52423	9.18400	0.1419065	0.26528825	2.3987816	21	—	—
233106 2005 SB_{104}	16.8	X	178.08257	23.70833	352.13444	8.55667	0.1619980	0.27985974	2.3147767	21	3 11.2	20.2
233107 2005 ST_{115}	18.0	X	121.31001	129.45396	3.33378	3.70277	0.1538264	0.28905413	2.2654262	21	6 13.3	21.1
233108 2005 SG_{134}	17.9	X	185.92300	45.43476	29.90178	2.38638	0.1369619	0.28978466	2.2616173	21	6 3.2	21.3
233109 2005 SA_{137}	17.0	X	1.39704	352.36099	189.97343	11.60196	0.0796167	0.27965247	2.3159203	21	1 31.8	19.8
233110 2005 SG_{158}	17.4	X	70.49650	185.52234	225.59207	2.11346	0.1715891	0.26782631	2.3836028	21	—	—
233111 2005 SW_{162}	17.2	X	88.38839	262.47645	93.33276	5.91688	0.2438061	0.26486483	2.4013374	21	—	—
233112 2005 SM_{165}	17.5	X	273.18237	255.37802	171.88975	4.28328	0.0609410	0.30773468	2.1727933	21	9 21.4	19.8
233113 2005 SP_{218}	16.5	X	217.74255	324.09811	72.29591	5.91679	0.1282816	0.28947830	2.2632127	21	5 16.1	19.6
233114 2005 ST_{221}	16.0	X	132.42381	204.49895	238.95332	24.38599	0.1991023	0.28035621	2.3120431	21	4 22.9	19.6
233115 2005 SY_{226}	17.9	X	268.72256	17.18082	59.81063	1.46982	0.0600868	0.30686744	2.1768851	21	9 29.6	20.2
233116 2005 SZ_{232}	17.7	X	338.07481	225.50948	248.54549	0.33549	0.1377748	0.25836842	2.4414234	21	—	—
233117 2005 SQ_{257}	16.5	X	150.67120	135.35947	238.94664	4.24501	0.2406076	0.27513596	2.3411962	21	2 16.3	20.0
233118 2005 TW_{7}	17.6	X	134.42998	340.00918	155.72551	2.88032	0.1029907	0.29177678	2.2513114	21	6 27.7	20.5
233119 2005 TH_{21}	17.7	X	182.11400	274.58620	146.45445	3.29898	0.1746728	0.28775378	2.2722461	21	5 13.4	21.3
233120 2005 TN_{24}	17.1	X	159.27712	311.50142	62.10853	0.55527	0.2217329	0.27656527	2.3331229	21	2 23.7	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233121 2005 TD_{40}	17.3	X	183.90465	93.78806	46.95804	7.45836	0.0957745	0.30003305	2.2098187	21	9 5.2	20.4
233122 2005 TP_{59}	17.4	X	114.92253	295.50831	208.22362	5.61264	0.1048477	0.28945158	2.2633520	21	6 14.9	20.4
233123 2005 TB_{60}	17.5	X	143.76697	268.30511	212.94510	4.39230	0.0963490	0.29044601	2.2581829	21	6 18.0	20.5
233124 2005 TF_{83}	17.1	X	284.81244	18.89996	337.20001	3.84740	0.1624555	0.29594700	2.2301124	21	6 3.0	19.9
233125 2005 TB_{86}	16.9	X	285.80746	92.93195	266.91160	6.35264	0.1723462	0.29675975	2.2260387	21	6 9.1	19.4
233126 2005 TY_{103}	17.2	X	200.43146	123.06990	333.85319	4.42857	0.0545851	0.29707738	2.2244518	21	7 23.9	20.1
233127 2005 TB_{128}	17.9	X	122.97554	93.78425	7.89086	2.65462	0.1455491	0.28326751	2.2961744	21	5 1.6	20.9
233128 2005 TY_{187}	17.1	X	355.72806	15.58441	151.21743	5.52538	0.1621453	0.27252762	2.3561108	21	—	—
233129 2005 UT_{18}	17.2	X	165.94240	221.92483	163.56963	2.27225	0.1434454	0.27750848	2.3278333	21	3 10.4	20.5
233130 2005 UD_{41}	17.3	X	126.27783	195.27271	204.34963	1.92233	0.1935082	0.27205328	2.3588486	21	2 18.7	20.3
233131 2005 UO_{41}	15.7	X	253.20143	345.48468	60.09410	35.19496	0.2188828	0.23221838	2.6214304	21	6 20.5	20.2
233132 2005 UB_{51}	17.1	X	265.76216	30.11643	337.83902	3.26229	0.1828409	0.29414825	2.2391948	21	5 23.2	20.2
233133 2005 UZ_{58}	16.9	X	141.65426	153.89238	254.45577	3.51910	0.0988004	0.27644739	2.3337861	21	3 6.0	20.1
233134 2005 UN_{77}	16.9	X	71.72650	319.36671	149.07735	4.96585	0.1578163	0.27222322	2.3578668	21	2 27.1	18.9
233135 2005 UF_{84}	17.7	X	92.19864	268.22049	202.09274	1.86197	0.1877073	0.27705714	2.3303607	21	4 9.9	20.2
233136 2005 UF_{106}	17.5	X	27.86549	48.56327	140.40914	3.38401	0.1058381	0.27919111	2.3184710	21	4 1.8	19.6
233137 2005 UU_{109}	16.8	X	113.34535	281.83073	260.35014	5.84721	0.0241221	0.29327797	2.2436224	21	7 25.9	19.4
233138 2005 UC_{110}	17.2	X	149.45048	177.97463	280.85816	3.51575	0.0676522	0.28461400	2.2889266	21	5 21.2	20.2
233139 2005 UC_{112}	17.1	X	90.59697	87.23351	27.76406	4.16778	0.1051093	0.27660154	2.3329190	21	4 1.2	19.6
233140 2005 UY_{131}	16.8	X	278.46923	190.35860	137.04473	7.55226	0.1965152	0.29001093	2.2604408	21	4 14.9	20.0
233141 2005 UG_{132}	16.6	X	93.02140	347.38168	101.61687	13.21585	0.1374132	0.27323342	2.3520516	21	3 10.1	19.5
233142 2005 UP_{161}	15.7	X	62.70745	154.12295	110.77934	9.77937	0.1028204	0.23996533	2.5647028	21	9 26.2	19.2
233143 2005 UK_{163}	17.2	X	94.55267	311.61372	106.28797	2.16260	0.1796174	0.26888751	2.3773272	21	1 28.9	19.5
233144 2005 UH_{165}	18.0	X	116.69120	252.22740	226.03368	2.13056	0.1216765	0.28356195	2.2945846	21	5 14.3	20.9
233145 2005 US_{178}	17.2	X	75.64614	291.96022	207.06765	4.75345	0.0835973	0.27843851	2.3226469	21	4 7.6	19.5
233146 2005 UC_{183}	17.8	X	39.64730	60.43938	62.12015	3.05453	0.1388293	0.26792918	2.3829926	21	1 14.9	20.0
233147 2005 UB_{214}	16.6	X	56.22439	155.08413	302.57080	4.21692	0.1893565	0.26697883	2.3886444	21	1 13.0	18.4
233148 2005 UP_{214}	16.8	X	323.99681	46.52590	281.71152	5.32362	0.1403882	0.29697607	2.2249576	21	7 2.3	18.7
233149 2005 UM_{224}	17.3	X	338.36565	165.70551	346.27943	2.43467	0.1262439	0.26506222	2.4001451	21	—	—
233150 2005 UR_{230}	15.9	X	241.56869	242.47825	165.66273	4.43268	0.1441364	0.23045470	2.6347880	21	6 26.4	19.8
233151 2005 UX_{241}	16.8	X	341.19390	287.83292	343.22724	2.96127	0.0472831	0.22319500	2.6916159	21	5 19.5	20.1
233152 2005 UZ_{244}	17.2	X	110.32889	164.53235	269.90891	6.07696	0.2054399	0.27343368	2.3509030	21	3 16.0	20.3
233153 2005 UB_{260}	17.5	X	123.35600	54.95716	115.91671	2.00330	0.0733321	0.29464693	2.2366675	21	7 31.3	20.3
233154 2005 UC_{321}	17.3	X	209.51537	212.82483	163.43645	2.47430	0.0583165	0.28344907	2.2951938	21	4 11.9	20.3
233155 2005 UW_{342}	16.8	X	186.25847	69.18347	317.94299	2.31300	0.1669754	0.28130713	2.3068298	21	4 1.3	20.4
233156 2005 UO_{354}	16.5	X	182.00262	35.14785	341.56899	6.06850	0.1667872	0.27946592	2.3169508	21	3 15.3	20.1
233157 2005 UJ_{364}	17.5	X	47.10834	109.08177	95.39460	3.43354	0.1111296	0.28670538	2.2777820	21	6 1.5	19.6
233158 2005 UZ_{378}	17.8	X	97.67444	30.92724	90.44445	1.42724	0.1634747	0.28142776	2.3061706	21	4 30.1	20.4
233159 2005 UD_{387}	17.3	X	72.06774	1.64852	275.00896	1.75332	0.0329235	0.30344332	2.1932308	21	10 16.6	19.7
233160 2005 UT_{428}	17.6	X	129.68791	202.66614	289.04590	0.90524	0.0715680	0.28681272	2.2772137	21	6 12.5	20.5
233161 2005 UQ_{442}	15.7	X	177.15776	137.26853	356.91745	11.54621	0.0662035	0.23315922	2.6143736	21	8 16.2	19.5
233162 2005 UZ_{443}	17.0	X	127.71212	89.30848	334.45693	5.11541	0.1674694	0.27594756	2.3366034	21	3 19.6	20.0
233163 2005 US_{449}	16.9	X	231.30902	76.69489	301.79760	5.10932	0.1752570	0.28772994	2.2723715	21	4 30.8	20.5
233164 2005 UN_{475}	17.7	X	106.18808	183.70833	292.25573	2.37392	0.1017897	0.28086601	2.3092445	21	4 22.6	20.5
233165 2005 UN_{477}	16.7	X	25.08511	206.63045	24.85807	7.23591	0.0700216	0.28883180	2.2665887	21	5 28.1	19.0
233166 2005 UF_{508}	16.3	X	80.97382	234.99992	137.15689	5.24170	0.1127477	0.24453475	2.5326528	21	—	—
233167 2005 UL_{509}	17.7	X	15.21517	119.72305	15.75549	2.50666	0.1473662	0.26479927	2.4017337	21	—	—
233168 2005 VJ_{4}	17.1	X	278.36200	78.83007	335.16138	7.68718	0.1050016	0.30107462	2.2047192	21	8 31.6	19.4
233169 2005 VF_{15}	17.2	X	245.16914	2.44467	35.18266	6.88765	0.1657439	0.29348936	2.2425449	21	6 12.1	20.5
233170 2005 VT_{16}	17.5	X	109.22587	262.41695	116.22927	5.23517	0.2880140	0.26835521	2.3804699	21	1 15.5	20.2
233171 2005 VE_{21}	17.2	X	194.27623	216.77878	199.39740	6.40436	0.0920844	0.28757656	2.2731795	21	5 18.4	20.3
233172 2005 VL_{21}	17.9	X	133.39061	60.58076	82.45033	4.66500	0.0533411	0.29119528	2.2543075	21	7 1.8	20.7
233173 2005 VJ_{41}	16.9	X	149.43997	244.77028	176.86207	2.68845	0.1636229	0.27885465	2.3203355	21	4 11.3	20.2
233174 2005 VX_{69}	16.9	X	276.47607	28.46878	178.71325	3.85927	0.1849500	0.26088502	2.4256974	21	—	—
233175 2005 VJ_{78}	15.8	X	328.42975	41.73276	313.30596	3.47956	0.1787935	0.23784886	2.5798948	21	8 17.1	18.0
233176 2005 VX_{119}	15.4	X	268.44623	107.42025	317.54123	21.56525	0.0452488	0.22597379	2.6695045	21	8 29.4	19.1
233177 2005 VQ_{123}	18.0	X	33.58540	189.91934	313.15602	1.80449	0.1413170	0.26847389	2.3797683	21	2 1.9	20.1
233178 2005 VG_{125}	16.2	X	204.44738	228.44266	298.27228	12.24634	0.1988515	0.22979617	2.6398192	21	10 6.8	20.7
233179 2005 WJ_{24}	17.4	X	48.11932	144.49270	327.60202	1.80217	0.1740895	0.26696848	2.3887062	21	1 16.7	19.0
233180 2005 WU_{25}	17.3	X	56.09156	187.29853	290.02308	2.68637	0.1320683	0.26925024	2.3751916	21	2 7.0	19.3
233181 2005 WX_{29}	17.5	X	142.34216	67.45673	16.35409	1.73405	0.1166033	0.27974937	2.3153855	21	4 27.4	20.5
233182 2005 WF_{41}	17.0	X	218.21890	112.00280	245.49058	4.59963	0.1916397	0.28277032	2.2988651	21	3 22.5	20.8
233183 2005 WW_{55}	16.6	X	279.14023	41.21663	282.49904	4.72319	0.2465020	0.28774501	2.2722922	21	3 30.1	20.0
233184 2005 WZ_{60}	17.7	X	73.65924	71.70655	5.30136	2.35390	0.1694778	0.26685890	2.3893600	21	1 17.8	19.7
233185 2005 WC_{62}	16.4	X	341.02908	237.26578	114.63467	12.01192	0.2075969	0.23980752	2.5658279	21	9 16.4	18.7
233186 2005 WU_{80}	17.1	X	179.86196	0.45502	61.23926	6.54599	0.1779357	0.28369829	2.2938494	21	5 11.9	20.7
233187 2005 WF_{82}	17.4	X	51.14941	75.69139	69.36623	3.20920	0.1447753	0.27433176	2.3457694	21	3 14.1	19.4
233188 2005 WM_{89}	16.6	X	175.53595	144.18472	253.31953	6.22867	0.1103391	0.27885927	2.3203099	21	3 30.6	20.0
233189 2005 WR_{100}	16.0	X	176.58331	104.07338	72.84167	13.74854	0.1925480	0.23594913	2.5937242	21	10 9.6	20.5
233190 2005 WQ_{112}	16.2	X	302.39493	122.48970	273.77848	12.68810	0.1686493	0.23391071	2.6087711	21	8 22.2	19.5
233191 2005 WM_{137}	18.5	X	120.27298	191.83985	59.45004	1.00770	0.0783994	0.30761094	2.1733760	21	11 18.5	21.3
233192 2005 WD_{150}	17.3	X	55.80628	172.42728	18.03337	3.16903	0.1123731	0.28097053	2.3086718	21	5 25.8	19.7
233193 2005 WX_{151}	17.1	X	91.07418	89.97728	355.50818	2.57173	0.1639403	0.27126664	2.3634067	21	2 28.7	19.5
233194 2005 WH_{160}	17.4	X	25.94158	87.45406	53.50519	1.95315	0.1306996	0.26443377	2.4039463	21	1 17.1	19.5
233195 2005 WL_{164}	17.8	X	100.85043	316.25998	222.03178	2.91573	0.0765249	0.29014419	2.2597486	21	7 11.3	20.6
233196 2005 WU_{169}	16.8	X	62.54757	309.10980	238.12976	4.88187	0.1043793	0.28195327	2.3033042	21	6 1.3	19.1
233197 2005 WX_{170}	16.8	X	220.27614	104.53629	257.49920	2.84933	0.0807188	0.27954290	2.3165254	21	4 3.0	20.1
233198 2005 WZ_{178}	16.2	X	240.67098	345.06465	108.32152	13.40127	0.1039222	0.23874546	2.5734316	21	9 3.4	20.0
233199 2005 WL_{186}	16.7	X	0.50606	13.93170	152.42778	1.47729	0.1248077	0.26046967	2.4282754	21	1 9.8	19.2
233200 2005 WT_{189}	14.6	X	26.22124	45.04890	303.60274	12.41940	0.0947253	0.24693609	2.5162068	21	11 18.8	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233201 2005 WR_{197}	17.2	X	47.36288	168.93476	342.80624	1.88417	0.1660987	0.27123792	2.3635735	21	3 16.8	19.2
233202 2005 WN_{198}	17.3	X	19.54621	16.63988	290.51340	2.14780	0.2075567	0.30401631	2.1904741	21	10 9.7	19.1
233203 2005 XF_{2}	17.2	X	38.24699	109.36959	65.74279	2.45612	0.1009754	0.27647964	2.3336046	21	3 31.3	19.3
233204 2005 XQ_{11}	17.0	X	323.27859	193.19179	111.48069	5.87719	0.1116337	0.28854088	2.2681119	21	5 29.3	19.2
233205 2005 XZ_{22}	17.7	X	65.86761	282.86425	229.27005	1.22514	0.1595335	0.27534278	2.3400237	21	4 23.0	19.9
233206 2005 XJ_{27}	17.7	X	43.28904	203.39651	288.03586	4.23590	0.1393202	0.26876300	2.3780614	21	2 2.9	19.9
233207 2005 XR_{57}	16.9	X	98.57082	48.38325	115.83007	3.08713	0.0897755	0.28453583	2.2893458	21	6 20.1	19.6
233208 2005 XT_{61}	16.2	X	126.10337	125.49136	154.03417	9.06644	0.1271814	0.23274065	2.6175072	21	12 20.4	20.5
233209 2005 XA_{62}	16.5	X	203.99088	296.91994	92.32310	10.94361	0.0461982	0.28159854	2.3052381	21	4 27.6	19.7
233210 2005 XC_{62}	17.1	X	239.90116	69.69515	291.34971	2.71861	0.2083939	0.28582538	2.2824548	21	4 15.1	20.9
233211 2005 XL_{65}	16.2	X	344.54249	290.59562	123.42563	5.58382	0.0131059	0.23403143	2.6078740	21	12 8.5	19.6
233212 2005 XU_{65}	17.2	X	103.27773	271.18259	190.27470	2.32509	0.0868656	0.27532478	2.3401257	21	3 28.1	19.7
233213 2005 XE_{73}	17.1	X	233.58041	331.70291	331.19524	3.90590	0.1346468	0.26996395	2.3710035	21	2 1.6	20.7
233214 2005 XT_{110}	16.8	X	358.73876	15.21756	1.86578	1.92211	0.1440590	0.23047009	2.6346707	21	11 19.3	19.6
233215 2005 XO_{115}	16.3	X	173.05629	147.40797	345.27690	11.97978	0.0793704	0.21757927	2.7377326	21	8 8.3	20.4
233216 2005 XW_{116}	16.2	X	349.59325	260.10701	92.84180	7.34192	0.1786416	0.23581621	2.5946988	21	10 6.3	18.7
233217 2005 YM	17.1	X	356.31864	84.81529	90.38353	7.37695	0.1176859	0.26604590	2.3942252	21	1 15.6	19.8
233218 2005 YU_{9}	16.9	X	258.44513	188.95386	117.55362	4.21274	0.1813999	0.27823362	2.3237870	21	2 27.0	20.4
233219 2005 YL_{11}	16.8	X	357.89919	158.02316	45.60759	2.77438	0.1445187	0.26992112	2.3712544	21	2 24.4	19.2
233220 2005 YO_{12}	17.0	X	354.44082	230.85657	279.08275	1.45709	0.1353119	0.26079485	2.4262565	21	—	—
233221 2005 YH_{13}	16.8	X	341.41987	241.84397	280.04978	0.50993	0.1229297	0.25772743	2.4454697	21	—	—
233222 2005 YO_{13}	17.0	X	83.27532	236.00447	117.84230	2.69039	0.0280895	0.24816396	2.5079001	21	—	—
233223 2005 YS_{26}	15.7	X	236.44389	140.42740	292.12730	21.17790	0.0473133	0.22709712	2.6606943	21	7 30.6	19.5
233224 2005 YU_{26}	17.2	X	25.74981	173.01915	335.64218	3.68288	0.2717476	0.26295398	2.4129568	21	1 15.7	18.7
233225 2005 YZ_{30}	17.0	X	322.48982	237.98489	300.75556	1.18610	0.1751597	0.25621535	2.4550817	21	—	—
233226 2005 YZ_{34}	16.1	X	65.52043	272.43720	280.15159	4.37741	0.0433434	0.21449366	2.7639260	21	6 7.3	19.6
233227 2005 YK_{38}	16.2	X	68.86341	37.37007	35.59101	8.83387	0.1120813	0.26139207	2.4225594	21	—	—
233228 2005 YW_{38}	17.0	X	7.44052	99.64737	21.87699	1.39503	0.1396726	0.25974055	2.4328176	21	—	—
233229 2005 YD_{39}	16.2	X	81.01893	203.23601	185.03574	7.91697	0.2367121	0.25833337	2.4416442	21	—	—
233230 2005 YQ_{45}	17.0	X	338.47124	299.14223	264.02900	2.48537	0.1898358	0.26312662	2.4119012	21	1 15.2	19.9
233231 2005 YB_{46}	16.8	X	121.30237	222.76157	142.21299	3.65254	0.2413157	0.26197287	2.4189775	21	1 7.5	19.7
233232 2005 YB_{47}	16.9	X	26.96646	171.02470	337.42428	2.18945	0.1414135	0.26353416	2.4094140	21	1 29.7	19.0
233233 2005 YW_{48}	16.8	X	44.76729	334.33273	99.37154	3.59741	0.1663301	0.25685861	2.4509811	21	—	—
233234 2005 YM_{52}	16.3	X	226.52271	135.18130	264.69640	5.16371	0.0777665	0.21906457	2.7253437	21	6 5.2	20.1
233235 2005 YT_{58}	16.3	X	114.13570	215.44643	301.29690	4.02164	0.0996070	0.21864362	2.7288406	21	7 2.3	20.2
233236 2005 YX_{61}	16.9	X	285.92368	148.91062	74.44383	2.19973	0.1385759	0.25928834	2.4356454	21	—	—
233237 2005 YQ_{67}	16.5	X	27.93467	237.03623	301.30741	6.69248	0.0412746	0.27101258	2.3648835	21	3 13.4	19.3
233238 2005 YS_{75}	16.8	X	329.99427	233.96433	309.57642	5.49145	0.0735321	0.26167901	2.4207882	21	—	—
233239 2005 YL_{76}	17.3	X	356.37513	255.04722	329.73301	3.05747	0.1431263	0.27223622	2.3577918	21	3 22.4	19.5
233240 2005 YB_{83}	17.0	X	130.29857	231.11061	137.59062	2.95264	0.1865647	0.26244767	2.4160592	21	1 15.5	20.2
233241 2005 YC_{83}	16.7	X	341.94872	82.97816	131.76420	3.50992	0.1227024	0.26636460	2.3923151	21	2 16.3	19.1
233242 2005 YD_{87}	17.2	X	348.65201	146.78735	103.16121	0.85389	0.0934469	0.27624252	2.3349398	21	4 22.6	19.5
233243 2005 YB_{92}	16.5	X	293.55611	81.70030	131.66742	3.21585	0.1344258	0.25779883	2.4450182	21	—	—
233244 2005 YL_{106}	16.7	X	317.85660	147.09571	112.19486	6.00542	0.2036628	0.27251406	2.3561889	21	3 1.9	19.6
233245 2005 YG_{111}	17.1	X	28.87394	19.64942	156.67289	2.76294	0.1574624	0.26877017	2.3780191	21	3 16.0	19.1
233246 2005 YY_{111}	17.2	X	11.70676	243.52062	235.03697	0.52239	0.1460049	0.25817836	2.4426214	21	—	—
233247 2005 YA_{115}	16.5	X	237.20919	326.39817	48.28890	2.52207	0.1020789	0.21690544	2.7433997	21	5 13.6	20.6
233248 2005 YC_{115}	17.3	X	231.20370	8.24297	59.18147	3.06722	0.1957662	0.22588923	2.6701707	21	7 6.2	21.4
233249 2005 YS_{118}	17.4	X	84.29548	109.54014	342.74721	2.89848	0.1599466	0.26731033	2.3866691	21	2 27.1	19.6
233250 2005 YF_{120}	17.1	X	42.26062	23.84873	123.30461	4.01626	0.1818060	0.26683060	2.3895289	21	3 1.6	18.8
233251 2005 YO_{122}	16.8	X	304.01917	171.99813	81.68170	6.71909	0.0604117	0.27111522	2.3642866	21	2 27.4	19.8
233252 2005 YS_{123}	16.1	X	328.87147	248.31536	97.21405	13.72456	0.1921808	0.23101378	2.6305353	21	8 3.5	18.7
233253 2005 YF_{126}	17.0	X	349.28410	188.94795	341.35131	3.72050	0.0814887	0.26205521	2.4184708	21	1 4.5	19.9
233254 2005 YH_{127}	17.6	X	98.21106	101.01884	7.63031	2.38157	0.1686278	0.27307036	2.3529878	21	4 13.4	20.4
233255 2005 YB_{144}	16.9	X	320.94093	244.19836	0.26334	1.90516	0.1747839	0.26588458	2.3951936	21	2 18.0	19.7
233256 2005 YZ_{151}	16.5	X	268.88814	154.98186	267.44511	3.11727	0.1420604	0.23196578	2.6233331	21	8 16.9	19.9
233257 2005 YZ_{155}	15.2	X	197.49983	21.00527	262.66630	8.21619	0.0202748	0.19300080	2.9654912	21	—	—
233258 2005 YA_{157}	16.1	X	178.57158	42.36922	109.42995	12.87265	0.1438116	0.22862228	2.6488479	21	9 8.4	20.5
233259 2005 YP_{163}	17.4	X	46.28138	121.54417	344.81219	2.23270	0.1499711	0.26524167	2.3990624	21	1 4.5	19.5
233260 2005 YH_{185}	16.9	X	324.09457	133.16177	134.86225	2.93850	0.1493454	0.27280973	2.3544862	21	3 31.5	19.4
233261 2005 YU_{191}	16.2	X	293.75401	201.63895	109.71302	7.10827	0.0618186	0.21246816	2.7814642	21	5 8.6	20.0
233262 2005 YD_{193}	17.4	X	309.69605	236.48042	313.54617	0.88414	0.1380029	0.25523736	2.4613492	21	—	—
233263 2005 YE_{193}	16.8	X	333.66874	204.81504	4.74076	0.63458	0.1324169	0.26269247	2.4145579	21	1 26.7	19.4
233264 2005 YP_{206}	16.2	X	239.22566	149.22685	277.18724	11.69168	0.1647450	0.22670324	2.6637752	21	7 14.6	20.4
233265 2005 YR_{210}	16.0	X	32.59058	91.83583	130.14018	12.79444	0.2161781	0.27297572	2.3535316	21	6 16.7	17.9
233266 2005 YT_{210}	16.3	X	288.95294	201.41336	347.49559	6.43955	0.1584069	0.25343292	2.4730185	21	—	—
233267 2005 YA_{211}	15.6	X	278.08360	121.60737	300.84365	21.41043	0.0448955	0.22879526	2.6475126	21	9 3.3	19.5
233268 2005 YT_{220}	16.0	X	306.22185	277.77555	87.16922	13.88368	0.1253901	0.22860178	2.6490062	21	7 29.5	19.2
233269 2005 YF_{253}	16.7	X	324.87862	129.63877	94.38164	4.99123	0.1291787	0.26437978	2.4042736	21	2 4.0	19.7
233270 2005 YF_{270}	16.8	X	335.29659	359.90299	140.98069	5.03852	0.0323108	0.25448709	2.4661844	21	—	—
233271 2006 AP_{1}	15.9	X	127.57244	26.79126	101.55145	16.56297	0.1202323	0.21272149	2.7792555	21	6 14.3	20.2
233272 2006 AY_{9}	16.7	X	311.73735	341.42255	202.21939	4.83502	0.1461845	0.25586649	2.4573128	21	—	—
233273 2006 AT_{10}	16.5	X	70.62468	125.83564	341.85825	6.32547	0.1332877	0.26495749	2.4007775	21	2 22.5	18.9
233274 2006 AK_{16}	15.7	X	209.18216	10.29442	145.10646	15.96247	0.0766623	0.22930281	2.6436044	21	10 20.2	19.7
233275 2006 AB_{37}	16.9	X	283.80355	204.98453	82.59596	2.47169	0.1848619	0.26880506	2.3778133	21	3 1.0	20.2
233276 2006 AK_{43}	17.4	X	111.10054	226.45601	169.16940	2.35635	0.2029486	0.26287751	2.4134247	21	1 28.1	20.1
233277 2006 AX_{43}	16.4	X	36.26558	129.42551	37.32280	6.99640	0.0934974	0.26849021	2.3796719	21	3 18.2	18.8
233278 2006 AC_{46}	17.2	X	289.68786	317.60814	274.87127	5.41679	0.0997088	0.26118808	2.4238206	21	1 5.8	20.7
233279 2006 AK_{48}	16.0	X	112.04909	288.41376	312.50859	11.45621	0.1493330	0.22462498	2.6801803	21	10 15.2	20.4
233280 2006 AZ_{60}	17.5	X	4.26855	334.86923	154.15576	3.01517	0.1682072	0.25693613	2.4504881	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233281 2006 AO_{77}	16.9	X	295.72965	7.14634	215.63006	1.51432	0.1710071	0.25769342	2.4456849	21	—	—
233282 2006 AP_{79}	16.3	X	138.58315	270.21004	275.41617	11.33809	0.2096669	0.22332988	2.6905320	21	9 4.8	21.0
233283 2006 AN_{85}	16.2	X	55.13829	33.22771	149.10754	10.78333	0.1318375	0.27105742	2.3646226	21	5 20.1	18.8
233284 2006 AC_{90}	16.9	X	213.55570	184.56963	339.29199	1.51121	0.1384324	0.22979234	2.6398486	21	10 23.5	20.7
233285 2006 AS_{90}	15.3	X	167.29363	176.36821	128.06075	10.11519	0.0902699	0.19118444	2.9842441	21	—	—
233286 2006 AS_{93}	16.4	X	237.55436	314.81150	334.24911	4.51418	0.1705904	0.25708182	2.4495622	21	1 20.7	20.3
233287 2006 AU_{93}	15.8	X	233.51590	120.41275	333.71958	13.92803	0.0513091	0.22250068	2.6972124	21	8 27.7	19.4
233288 2006 AV_{93}	15.7	X	113.91654	345.36028	335.35007	14.55120	0.1154067	0.24000764	2.5644014	21	—	—
233289 2006 AL_{96}	15.7	X	131.85300	358.08603	131.07266	10.16106	0.1050087	0.21393941	2.7686976	21	6 18.0	19.9
233290 2006 AM_{96}	16.4	X	348.15628	207.17352	205.10535	5.67436	0.2168833	0.24237248	2.5476935	21	—	—
233291 2006 AO_{97}	16.0	X	284.59459	341.53801	136.49227	13.30491	0.0576211	0.23919985	2.5701716	21	12 10.1	19.4
233292 Brianschmidt	17.0	X	246.89555	100.58337	102.55970	5.00135	0.1396390	0.24530285	2.5273632	21	—	—
233293 2006 BP_{1}	17.1	X	312.66846	280.69377	334.61878	0.76216	0.2036095	0.26489543	2.4011525	21	2 17.0	20.0
233294 2006 BX_{1}	16.4	X	45.69101	23.48874	313.29044	4.67019	0.1701604	0.23747644	2.5825914	21	12 11.8	20.0
233295 2006 BC_{7}	17.1	X	343.37420	151.60315	306.50441	4.18687	0.0691261	0.24755295	2.5120251	21	—	—
233296 2006 BO_{10}	17.4	X	4.46216	58.06710	14.70121	1.10456	0.0928398	0.24759113	2.5117669	21	—	—
233297 2006 BS_{20}	17.0	X	325.00111	67.67693	147.19164	2.85412	0.1523215	0.26113096	2.4241741	21	1 18.6	19.9
233298 2006 BU_{24}	17.1	X	334.33592	26.66453	177.03668	1.11145	0.1227385	0.26217236	2.4177503	21	1 20.9	19.9
233299 2006 BE_{29}	16.6	X	10.20072	40.50134	317.53730	8.04142	0.1745678	0.23367424	2.6105308	21	11 15.5	19.6
233300 2006 BS_{29}	17.3	X	58.78971	72.53733	334.02989	6.13249	0.0738527	0.25223635	2.4808334	21	—	—
233301 2006 BO_{39}	16.5	X	180.12797	96.83263	22.13545	2.47219	0.1407776	0.22176959	2.7031370	21	7 26.3	20.7
233302 2006 BK_{45}	16.5	X	4.15881	323.66498	154.82963	1.47788	0.0925870	0.18759669	3.0221727	21	—	—
233303 2006 BG_{46}	16.7	X	171.99604	135.35619	150.71556	5.99608	0.1476382	0.24426748	2.5344999	21	—	—
233304 2006 BW_{56}	16.3	X	206.56757	232.18525	140.20214	4.41556	0.1082646	0.20942115	2.8083788	21	4 10.9	20.6
233305 2006 BD_{69}	16.3	X	127.97623	56.64170	101.35485	8.13165	0.0217749	0.21807697	2.7335657	21	7 11.8	20.0
233306 2006 BL_{72}	15.9	X	33.09498	151.28607	88.57054	5.71306	0.0407892	0.21475765	2.7616605	21	6 24.9	19.5
233307 2006 BP_{72}	16.9	X	300.55443	113.59549	20.13462	4.05541	0.1181335	0.24474052	2.5312330	21	—	—
233308 2006 BP_{78}	15.9	X	274.21369	352.44962	131.54957	13.17131	0.1400151	0.23668759	2.5883265	21	11 23.1	19.2
233309 2006 BA_{79}	16.9	X	253.54733	20.21635	109.88996	5.57991	0.1729610	0.23438364	2.6052607	21	10 25.8	20.4
233310 2006 BR_{87}	16.8	X	251.30362	249.70222	356.50895	2.43511	0.1283548	0.25284616	2.4768430	21	—	—
233311 2006 BC_{91}	16.5	X	230.46654	148.72150	159.86051	6.67782	0.1188983	0.26046148	2.4283263	21	2 6.1	20.1
233312 2006 BH_{129}	16.1	X	100.08068	20.89892	136.89935	4.60936	0.0382006	0.21187683	2.7866370	21	6 7.8	19.9
233313 2006 BM_{129}	17.1	X	313.73388	242.47809	149.42538	2.73095	0.1057102	0.22965730	2.6408833	21	9 20.5	20.1
233314 2006 BL_{130}	16.8	X	50.13426	34.34209	283.24892	1.06892	0.0846417	0.22902259	2.6457603	21	11 8.6	20.3
233315 2006 BW_{132}	17.0	X	218.48886	219.66419	250.67685	0.75855	0.0618325	0.22277751	2.6949775	21	8 28.9	20.8
233316 2006 BO_{135}	16.7	X	32.64209	231.02094	133.64456	15.20478	0.1875855	0.24085155	2.5584077	21	—	—
233317 2006 BW_{144}	15.6	X	216.66838	306.26550	259.19588	10.44029	0.1321409	0.23936006	2.5690246	21	12 20.2	19.3
233318 2006 BZ_{165}	16.8	X	303.86952	83.93586	336.78650	2.64143	0.2158976	0.23461115	2.6035761	21	9 29.3	19.3
233319 2006 BY_{168}	16.3	X	315.62770	220.65990	144.91752	6.98909	0.0505088	0.22144976	2.7057390	21	8 21.6	19.7
233320 2006 BT_{183}	17.3	X	229.40477	61.05945	161.45499	4.50667	0.2108943	0.23827652	2.5768070	21	—	—
233321 2006 BP_{194}	16.9	X	109.13243	262.91759	156.38941	5.10688	0.2168387	0.26503201	2.4003275	21	2 28.7	19.7
233322 2006 BD_{199}	17.0	X	178.36796	329.47620	316.21974	5.12340	0.1954603	0.24441537	2.5334774	21	—	—
233323 2006 BL_{212}	16.6	X	122.62809	306.54725	345.00255	7.26956	0.1903317	0.23445665	2.6047198	21	—	—
233324 2006 BP_{219}	16.1	X	247.05961	338.06919	124.87039	12.17809	0.1519347	0.22848487	2.6499097	21	9 15.9	20.0
233325 2006 BF_{223}	16.8	X	293.11563	72.36399	149.94635	2.91405	0.1484782	0.25498822	2.4629521	21	—	—
233326 2006 BU_{247}	15.8	X	175.50860	192.17694	131.43621	5.40842	0.0407399	0.19004371	2.9961741	21	1 8.3	20.1
233327 2006 BM_{251}	17.0	X	308.47888	260.00039	155.06536	2.59551	0.1334222	0.23300824	2.6155029	21	10 12.3	19.9
233328 2006 BE_{255}	16.8	X	319.16669	270.30660	156.75640	2.97243	0.1128768	0.23706581	2.5855728	21	11 19.9	19.6
233329 2006 BC_{266}	15.8	X	328.02765	318.57207	191.63619	10.24519	0.1605558	0.17932483	3.1144099	21	—	—
233330 2006 BB_{279}	16.7	X	103.08703	98.58157	231.44951	0.56341	0.1721462	0.24015286	2.5633675	21	—	—
233331 2006 BP_{282}	17.1	X	260.81198	139.99630	2.76109	4.29593	0.0998254	0.23757907	2.5818476	21	11 29.4	20.4
233332 2006 CS_{10}	15.5	X	253.07860	307.62678	148.20149	22.25565	0.0399453	0.22574448	2.6713120	21	9 30.9	19.3
233333 2006 CB_{26}	17.1	X	101.48161	35.55509	353.98162	2.17759	0.2132761	0.25943022	2.4347573	21	1 8.7	19.5
233334 2006 CO_{30}	16.9	X	107.33018	245.72078	184.96286	4.65280	0.0871743	0.26363884	2.4087762	21	2 20.1	19.8
233335 2006 CN_{40}	15.9	X	256.01807	80.78102	358.08647	9.14742	0.0584216	0.22388455	2.6860863	21	9 6.3	19.4
233336 2006 CK_{50}	16.6	X	183.08386	52.12877	137.49114	3.54484	0.0262126	0.23181124	2.6244989	21	11 2.9	20.1
233337 2006 CL_{59}	15.8	X	170.92410	197.27724	341.06729	7.97872	0.1260090	0.22458987	2.6804596	21	9 27.7	20.0
233338 2006 CM_{59}	16.1	X	239.70925	72.76890	219.87875	0.42817	0.1700903	0.25617580	2.4553344	21	1 26.1	19.8
233339 2006 DT	16.1	X	145.58754	158.82693	107.62680	3.31099	0.0742486	0.23368268	2.6104680	21	12 23.3	19.8
233340 2006 DA_{10}	16.0	X	99.62140	194.65782	114.32898	6.70969	0.1580378	0.23434010	2.6055834	21	—	—
233341 2006 DK_{10}	17.3	X	319.89647	357.42368	78.05426	3.53924	0.2044386	0.23983306	2.5656457	21	12 1.2	19.4
233342 2006 DQ_{10}	15.6	X	69.18128	146.23028	132.91467	13.73431	0.1024938	0.22567617	2.6718511	21	10 22.6	19.5
233343 2006 DH_{13}	16.5	X	195.68591	227.26630	217.94443	3.12178	0.1052468	0.21701520	2.7424746	21	6 28.4	20.7
233344 2006 DF_{19}	16.4	X	36.33241	199.95849	87.21076	3.28516	0.0432293	0.22178755	2.7029911	21	9 5.1	19.8
233345 2006 DU_{20}	16.2	X	120.76350	340.85900	318.44212	5.47395	0.0938277	0.23934346	2.5691433	21	—	—
233346 2006 DL_{28}	16.6	X	24.42489	279.25540	142.03842	2.81126	0.0560998	0.24268996	2.5454711	21	—	—
233347 2006 DM_{32}	16.4	X	200.95654	340.13052	167.95509	2.79022	0.1580322	0.22574519	2.6713064	21	9 19.9	20.6
233348 2006 DW_{33}	16.4	X	208.52455	352.14208	159.63186	3.72457	0.0384948	0.22591636	2.6699570	21	10 14.1	20.0
233349 2006 DM_{41}	15.5	X	187.23046	270.61788	288.06981	13.74727	0.0539412	0.23291196	2.6162236	21	11 12.9	19.4
233350 2006 DT_{61}	15.6	X	197.94734	73.91266	158.25132	13.25185	0.2194003	0.23020653	2.6366812	21	12 23.8	20.1
233351 2006 DU_{61}	15.4	X	198.72815	188.88120	57.61881	9.35641	0.2174942	0.23398671	2.6082062	21	—	—
233352 2006 DJ_{71}	16.4	X	158.68477	280.74095	344.34638	7.85080	0.0972981	0.23674634	2.5878983	21	—	—
233353 2006 DX_{71}	16.6	X	37.22560	268.47513	121.68641	2.40267	0.0509519	0.23803284	2.5785653	21	—	—
233354 2006 DA_{72}	16.6	X	123.44130	316.93072	15.95502	2.43370	0.0485258	0.24243915	2.5472264	21	—	—
233355 2006 DX_{83}	17.2	X	236.06362	143.21499	308.97231	1.89907	0.1551804	0.22361630	2.6882341	21	8 15.5	21.0
233356 2006 DQ_{86}	17.2	X	249.13241	120.54968	109.07630	2.01054	0.2215453	0.24395233	2.5366822	21	—	—
233357 2006 DR_{92}	15.3	X	212.41123	228.37455	10.84973	14.63634	0.2250799	0.23658765	2.5890554	21	—	—
233358 2006 DT_{94}	16.5	X	53.52915	218.78410	22.78498	2.67937	0.0405029	0.21182663	2.7870773	21	7 27.8	20.1
233359 2006 DA_{96}	16.7	X	228.79978	152.37507	4.14855	5.96934	0.1180523	0.23008584	2.6376032	21	11 1.4	20.6
233360 2006 DE_{97}	16.6	X	203.70401	120.48588	51.83127	3.38092	0.0404576	0.22870072	2.6482421	21	11 2.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233361 2006 DO_{106}	16.8	X	13.47498	217.57963	63.97371	1.02098	0.0293854	0.21384769	2.7694891	21	7 23.0	20.4
233362 2006 DZ_{117}	17.4	X	213.53790	137.36824	13.30725	4.46672	0.2212510	0.22774124	2.6556750	21	9 30.4	21.7
233363 2006 DA_{124}	16.9	X	348.26593	156.64271	183.09361	2.48821	0.0992998	0.22171069	2.7036157	21	9 4.3	19.8
233364 2006 DE_{124}	16.6	X	79.83103	303.82844	325.75285	2.80044	0.0562169	0.22466701	2.6798461	21	10 9.8	20.3
233365 2006 DT_{124}	16.9	X	285.67936	230.06016	184.21827	1.85953	0.0802620	0.22507252	2.6766263	21	9 9.0	20.3
233366 2006 DH_{138}	16.5	X	277.29208	313.03004	91.42904	3.62645	0.0987174	0.22183591	2.7025982	21	8 12.8	20.1
233367 2006 DX_{144}	16.8	X	287.06970	75.60602	13.15826	2.77543	0.1476644	0.23315168	2.6144300	21	10 19.7	19.8
233368 2006 DH_{152}	16.3	X	224.78910	272.50857	186.37638	6.59540	0.0841831	0.21976751	2.7195292	21	8 17.5	20.3
233369 2006 DU_{152}	16.9	X	80.48657	280.39538	356.34419	1.25694	0.1021509	0.22229099	2.6989084	21	10 26.5	20.6
233370 2006 DL_{161}	17.3	X	225.39951	213.94862	350.67206	2.48084	0.0626305	0.23904355	2.5712918	21	—	—
233371 2006 DM_{169}	15.8	X	341.93865	166.03762	150.79978	10.83574	0.1313594	0.21309522	2.7760050	21	7 19.2	18.9
233372 2006 DQ_{182}	16.9	X	176.17540	21.81239	280.02996	1.35957	0.0526291	0.24607469	2.5220755	21	—	—
233373 2006 DM_{188}	16.0	X	296.93577	244.86568	152.80849	4.33640	0.0986382	0.22191006	2.7019961	21	8 31.7	19.3
233374 2006 DW_{188}	17.2	X	306.57087	103.69389	27.00144	3.51529	0.1124551	0.24105722	2.5569523	21	—	—
233375 2006 DH_{190}	16.4	X	34.47258	215.91571	148.12316	4.78717	0.0567859	0.23164017	2.6257909	21	12 14.9	19.8
233376 2006 DY_{193}	17.2	X	57.84847	210.75768	151.38973	2.49472	0.1258089	0.24126957	2.5554518	21	—	—
233377 2006 DZ_{197}	15.5	X	191.59240	266.30952	290.28730	15.39108	0.1514506	0.23158466	2.6262105	21	11 6.1	19.9
233378 2006 DP_{199}	16.2	X	283.69661	14.61831	149.33374	15.85077	0.1163668	0.24260811	2.5460436	21	—	—
233379 2006 DH_{210}	16.9	X	292.56207	293.99125	145.97951	3.08912	0.0983884	0.22948004	2.6422431	21	10 24.3	19.9
233380 2006 DJ_{212}	16.4	X	267.30113	93.21273	321.78428	3.74296	0.1027003	0.22072761	2.7116374	21	8 11.7	20.1
233381 2006 DY_{214}	16.9	X	138.53624	77.66388	6.23853	5.69411	0.0376041	0.20050953	2.8909863	21	4 19.8	21.0
233382 2006 DE_{217}	16.7	X	127.74527	251.18328	340.29808	2.71349	0.0568166	0.22561241	2.6723545	21	10 18.7	20.5
233383 Assisneto	17.3	X	158.39546	285.37481	345.63644	5.45516	0.1863513	0.23782148	2.5800928	21	—	—
233384 2006 EG_{5}	16.2	X	310.10551	218.27607	120.13902	4.23922	0.1285592	0.21471150	2.7620562	21	6 25.3	19.4
233385 2006 EH_{10}	15.7	X	67.84044	231.46792	164.24592	12.31835	0.1413273	0.18197952	3.0840474	21	—	—
233386 2006 EH_{19}	16.6	X	80.88103	72.32593	182.28183	4.29253	0.0375995	0.21915976	2.7245545	21	9 19.3	20.3
233387 2006 EP_{23}	17.4	X	281.73804	118.60316	337.40176	1.01612	0.1674314	0.23443876	2.6048523	21	10 18.2	20.4
233388 2006 EP_{27}	17.0	X	123.70200	120.63218	136.53583	1.43628	0.0849733	0.22745885	2.6578726	21	11 18.5	20.9
233389 2006 EL_{33}	16.4	X	284.94998	246.37887	192.83273	6.05010	0.0810018	0.22880979	2.6474005	21	10 12.9	19.8
233390 2006 EL_{34}	15.6	X	355.24358	53.22566	133.69420	4.73582	0.1291316	0.19293886	2.9661259	21	2 15.3	18.9
233391 2006 EU_{47}	16.3	X	70.31935	185.60310	146.18695	15.12309	0.1924512	0.23400605	2.6080625	21	—	—
233392 2006 FP_{6}	16.2	X	248.06779	269.50193	171.43358	13.92809	0.1367809	0.22381190	2.6866676	21	8 14.9	20.1
233393 2006 FP_{17}	16.5	X	304.94780	106.95499	193.87500	11.85185	0.3255935	0.25919894	2.4362054	21	3 21.9	19.9
233394 2006 FT_{17}	16.3	X	213.98786	310.88979	174.74963	4.39572	0.1028386	0.21958856	2.7210064	21	9 8.4	20.3
233395 2006 FH_{22}	16.8	X	297.62879	94.63854	22.12384	3.21950	0.1517431	0.23751523	2.5823102	21	12 17.3	19.4
233396 2006 FJ_{26}	16.5	X	290.91285	292.39819	191.14600	7.76917	0.1060996	0.23473721	2.6026439	21	12 18.9	19.6
233397 2006 FK_{26}	16.7	X	147.40680	19.01692	180.85697	4.81312	0.1010449	0.22041483	2.7142021	21	10 2.9	20.9
233398 2006 FW_{29}	15.9	X	54.70376	286.60703	38.04849	6.63928	0.0786418	0.22283814	2.6944887	21	11 21.1	19.6
233399 2006 FN_{34}	15.0	X	309.93653	345.88788	213.30330	21.66295	0.2990125	0.18362208	3.0656279	21	—	—
233400 2006 FK_{37}	15.5	X	112.40764	296.08531	357.45937	11.14645	0.1907169	0.22671343	2.6636953	21	12 26.3	20.1
233401 2006 FF_{39}	16.0	X	64.55704	193.16156	160.39702	7.84840	0.1928596	0.23805161	2.5784298	21	—	—
233402 2006 FL_{42}	16.6	X	41.63350	215.35324	154.76296	2.82481	0.0602996	0.23155026	2.6264705	21	12 31.9	20.2
233403 2006 FF_{45}	17.5	X	56.46284	324.48689	185.52696	5.19989	0.1758230	0.26312740	2.4118965	21	4 6.4	19.4
233404 2006 FT_{46}	15.8	X	114.74266	83.80534	160.11983	11.21058	0.2304322	0.22015167	2.7163646	21	11 3.9	20.5
233405 2006 FO_{48}	16.6	X	220.18398	83.90557	154.02786	14.74109	0.1693527	0.24098256	2.5574804	21	—	—
233406 2006 FX_{52}	16.0	X	232.14784	340.70831	207.00378	5.25180	0.0313143	0.23268775	2.6179039	21	12 28.9	19.6
233407 2006 GS_{4}	16.7	X	290.65660	26.67837	106.74429	3.44137	0.0728727	0.23690722	2.5867265	21	—	—
233408 2006 GY_{11}	16.0	X	137.86338	63.66002	178.16629	8.17550	0.2018238	0.22386241	2.6862634	21	11 17.7	20.6
233409 2006 GJ_{17}	16.9	X	161.63113	88.79208	107.68858	2.17298	0.0383280	0.22246174	2.6975272	21	10 14.7	20.6
233410 2006 GQ_{19}	15.7	X	352.65486	344.19022	174.23628	5.11310	0.1195759	0.18566005	3.0431527	21	1 7.9	19.5
233411 2006 GM_{21}	16.8	X	170.02450	266.73983	357.07899	5.02764	0.1330323	0.23561985	2.5961402	21	—	—
233412 2006 GL_{30}	16.2	X	334.88329	180.29788	105.26959	3.27409	0.0243766	0.20318138	2.8655860	21	6 3.5	20.1
233413 2006 GH_{38}	16.1	X	97.08220	53.16546	146.30323	12.15044	0.1347391	0.21027546	2.8007670	21	8 10.8	20.2
233414 2006 GE_{40}	15.9	X	202.79636	233.03469	358.66323	7.74492	0.2335082	0.23408964	2.6074416	21	12 26.9	20.2
233415 2006 GA_{42}	15.6	X	162.12731	122.06255	46.60994	14.99695	0.1112060	0.21778561	2.7360032	21	9 16.7	20.1
233416 2006 GJ_{47}	16.2	X	135.19614	105.99510	51.48376	8.42678	0.1640510	0.21163651	2.7887462	21	8 3.6	20.8
233417 2006 GE_{50}	15.5	X	95.83909	293.79023	289.76820	11.55480	0.1134716	0.21497879	2.7597663	21	9 1.9	19.7
233418 2006 GO_{50}	16.6	X	224.38700	250.52481	345.80240	6.99273	0.2602383	0.23742131	2.5829912	21	—	—
233419 2006 GZ_{52}	16.2	X	145.37240	172.08425	37.70622	10.82939	0.1242927	0.22194075	2.7017470	21	10 15.5	20.4
233420 2006 HE	16.6	X	233.50979	218.41896	208.72009	3.37999	0.0833124	0.21382488	2.7696861	21	7 17.9	20.6
233421 2006 HW_{1}	15.6	X	194.18066	37.35956	90.58946	6.04294	0.0598498	0.21568105	2.7537725	21	8 25.7	19.6
233422 2006 HS_{7}	15.9	X	177.43545	119.01855	22.77130	12.51167	0.1221450	0.21528487	2.7571499	21	8 26.6	20.4
233423 2006 HW_{7}	16.3	X	206.46727	129.70768	70.46454	14.14879	0.2158772	0.23047793	2.6346109	21	11 24.2	20.4
233424 2006 HP_{9}	16.0	X	257.90913	165.81055	126.70117	6.79614	0.1660350	0.18755758	3.0225928	21	2 21.7	20.8
233425 2006 HR_{12}	16.8	X	319.50155	127.98020	189.80987	2.59498	0.0168604	0.20969956	2.8058925	21	6 25.5	20.4
233426 2006 HX_{15}	16.8	X	172.29978	335.47212	166.87531	4.48472	0.0129061	0.21263591	2.7800012	21	8 15.9	20.5
233427 2006 HQ_{31}	16.6	X	78.12716	239.41425	351.92267	4.33453	0.0555601	0.21454349	2.7634980	21	8 19.4	20.3
233428 2006 HV_{31}	15.4	X	260.70893	207.69403	10.02786	3.66116	0.1247942	0.17885773	3.1198298	21	—	—
233429 2006 HN_{40}	15.7	X	234.47522	323.89260	221.08381	17.67651	0.1749235	0.23268112	2.6179536	21	12 8.0	19.5
233430 2006 HZ_{41}	15.6	X	312.49947	121.12208	135.16408	9.99914	0.0255595	0.19093956	2.9867951	21	3 31.7	19.8
233431 2006 HU_{44}	16.1	X	276.73183	252.62534	53.18055	2.64408	0.0458255	0.19818519	2.9135462	21	4 11.2	20.1
233432 2006 HS_{53}	15.4	X	207.16324	151.12107	71.51141	14.65104	0.1840740	0.23228262	2.6209470	21	12 23.5	19.4
233433 2006 HY_{54}	15.8	X	181.20745	58.62173	155.01657	11.61366	0.1189686	0.22589164	2.6701517	21	11 25.1	20.1
233434 2006 HZ_{55}	15.9	X	284.12586	43.34798	71.77452	13.23326	0.2064708	0.23248611	2.6194174	21	11 14.3	18.7
233435 2006 HK_{58}	16.9	X	138.94707	63.74747	154.02532	5.47077	0.0975088	0.21971960	2.7199245	21	10 17.8	21.0
233436 2006 HN_{65}	16.3	X	243.63277	247.65478	199.74174	4.04348	0.0567583	0.21400250	2.7681534	21	8 29.0	20.2
233437 2006 HF_{69}	15.9	X	25.80662	117.71921	197.13752	3.59541	0.0953323	0.21294926	2.7772733	21	9 30.7	19.3
233438 2006 HU_{70}	16.1	X	198.06473	199.74860	136.44162	2.11776	0.1776533	0.18717631	3.0266960	21	2 19.9	21.1
233439 2006 HJ_{72}	15.4	X	55.65484	279.89331	126.13839	6.51103	0.1366308	0.17143035	3.2093044	21	—	—
233440 2006 HZ_{73}	16.6	X	144.81278	43.03416	181.32798	5.41852	0.0545194	0.22057769	2.7128659	21	10 30.5	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233441 2006 HE_{78}	15.4	X	47.84827	40.93351	24.34070	20.52991	0.1667715	0.18208464	3.0828603	21	—	—
233442 2006 HR_{79}	16.3	X	33.06304	95.40069	206.86887	3.18293	0.0677662	0.21300047	2.7768282	21	9 20.5	19.9
233443 2006 HC_{87}	16.5	X	251.54404	234.81412	120.93799	3.00537	0.0536488	0.20288889	2.8683394	21	5 12.9	20.6
233444 2006 HP_{93}	15.8	X	13.77556	171.65098	179.86132	14.37183	0.1755159	0.21603339	2.7507775	21	11 14.4	19.1
233445 2006 HT_{102}	15.6	X	337.97895	314.65107	215.32507	11.22573	0.1784340	0.18238239	3.0795040	21	—	—
233446 2006 HQ_{106}	16.2	X	204.05177	345.96907	121.04557	5.30541	0.1659974	0.21397310	2.7684069	21	8 1.4	20.7
233447 2006 HU_{107}	16.1	X	122.60455	68.47557	98.75031	5.46946	0.1160861	0.20846564	2.8169538	21	7 27.9	20.2
233448 2006 HY_{108}	15.7	X	88.04148	170.47783	71.07757	15.35065	0.1573984	0.21236236	2.7823880	21	10 5.4	20.1
233449 2006 HS_{110}	15.6	X	358.67471	60.60028	53.57086	14.63699	0.2915296	0.18190268	3.0849158	21	—	—
233450 2006 HH_{111}	16.2	X	126.07209	284.40794	347.14419	7.50560	0.2250164	0.22312667	2.6921654	21	12 11.1	21.0
233451 2006 HR_{115}	16.0	X	247.78967	95.79767	39.29119	13.38296	0.1490668	0.22788439	2.6545628	21	10 25.9	19.5
233452 2006 JT_{2}	16.5	X	337.83401	278.17398	1.55781	1.69261	0.0447416	0.20164131	2.8801584	21	5 28.5	20.1
233453 2006 JV_{15}	16.6	X	325.17254	240.96648	40.80142	2.24957	0.0396550	0.19887655	2.9067901	21	5 13.9	20.5
233454 2006 JD_{16}	16.8	X	190.22224	99.00823	41.52402	0.72038	0.0111335	0.21447597	2.7640780	21	9 6.9	20.5
233455 2006 JC_{21}	16.0	X	214.75231	301.45529	174.40971	9.08356	0.1103121	0.21393513	2.7687345	21	8 25.7	20.1
233456 2006 JS_{38}	15.9	X	329.93306	113.01935	5.81771	13.45539	0.1059384	0.23929147	2.5695154	21	—	—
233457 2006 JM_{42}	15.8	X	248.74948	176.02592	119.81470	3.40122	0.1220230	0.18479100	3.0526863	21	2 20.4	20.5
233458 2006 JW_{55}	15.8	X	225.56340	40.31379	113.26537	10.40414	0.0558968	0.22506259	2.6767050	21	11 7.2	19.7
233459 2006 JJ_{62}	15.4	X	142.27367	146.50795	149.73251	16.15083	0.1740445	0.17887388	3.1196421	21	—	—
233460 2006 KL_{2}	16.5	X	137.19093	287.78309	341.47140	2.30062	0.1697297	0.22603581	2.6690162	21	12 17.3	20.9
233461 2006 KF_{10}	16.2	X	115.76257	146.50791	229.71191	1.89543	0.0650304	0.17521286	3.1629481	21	1 8.5	20.6
233462 2006 KV_{13}	15.2	X	244.15481	137.96157	146.73355	10.57683	0.0516652	0.18400182	3.0614086	21	2 6.7	19.6
233463 2006 KF_{16}	15.2	X	270.37744	143.73205	133.47347	17.31483	0.2285520	0.18300272	3.0725410	21	2 9.8	20.1
233464 2006 KD_{18}	15.8	X	333.56840	320.71902	180.47619	15.41225	0.1317221	0.17826599	3.1267300	21	—	—
233465 2006 KZ_{34}	16.3	X	173.50303	29.29787	81.54847	3.18096	0.0112008	0.20376196	2.8601401	21	7 7.2	20.1
233466 2006 KK_{50}	16.7	X	140.07225	353.95186	106.25221	3.24617	0.0656232	0.19731416	2.9221144	21	5 17.8	20.9
233467 2006 KK_{73}	16.2	X	149.98615	18.82859	135.87359	9.30688	0.0812578	0.20785655	2.8224543	21	8 7.6	20.3
233468 2006 KL_{79}	16.2	X	177.83148	93.86228	43.12424	10.69623	0.1874145	0.21509792	2.7587472	21	8 19.3	21.0
233469 2006 KQ_{89}	16.3	X	187.46285	118.74975	91.97791	15.22520	0.1644368	0.22618515	2.6678413	21	11 25.1	20.6
233470 2006 KT_{109}	15.9	X	1.26917	190.34618	251.74085	5.78987	0.1415855	0.17214339	3.2004360	21	—	—
233471 2006 KM_{110}	16.1	X	68.68507	128.78208	303.42374	2.75363	0.0582509	0.17909799	3.1170390	21	1 14.9	20.3
233472 Moorcroft	16.4	X	214.93454	316.14949	62.89048	1.73711	0.0626980	0.19307756	2.9647052	21	4 29.2	20.7
233473 2006 LJ_{7}	15.4	X	278.59534	159.14446	112.46819	4.42565	0.1769489	0.18346418	3.0673867	21	2 16.4	20.0
233474 2006 MK_{4}	16.0	X	158.36492	0.50362	165.93749	9.62451	0.0770439	0.21176440	2.7876233	21	8 31.4	20.2
233475 2006 PQ_{25}	15.1	X	230.58062	164.61090	141.00313	11.92884	0.0711751	0.17155762	3.2077170	21	2 18.5	19.9
233476 2006 QJ_{39}	15.2	X	217.46305	177.58662	119.70399	6.30516	0.0955972	0.16815465	3.2508489	21	1 26.3	20.1
233477 2006 RV_{78}	15.2	X	34.87846	355.89898	179.67293	17.34633	0.0638072	0.17125647	3.2114763	21	4 9.8	19.4
233478 2006 SD_{7}	16.9	X	175.59330	245.15067	134.77938	31.13641	0.1852453	0.36834240	1.9273839	21	3 9.2	19.9
233479 2006 SV_{16}	14.8	X	218.88736	192.96054	192.03664	21.25555	0.0851316	0.17636628	3.1491427	21	5 12.5	19.8
233480 2006 SF_{20}	15.1	X	353.14025	286.35373	299.78880	11.14428	0.0408750	0.17500051	3.1655063	21	4 6.9	19.6
233481 2006 SB_{29}	15.4	X	83.24269	204.63991	271.55089	4.13193	0.1385798	0.17299408	3.1899354	21	4 8.1	19.7
233482 2006 SD_{147}	15.5	X	355.68041	54.76008	192.43096	6.47420	0.0978237	0.17771498	3.1331897	21	5 11.9	19.4
233483 2006 SC_{352}	15.1	X	220.18543	142.85736	214.95627	9.67303	0.0508106	0.17202538	3.2018995	21	4 10.0	19.8
233484 2006 SF_{360}	15.0	X	259.73122	83.25962	228.87405	5.61873	0.0924951	0.17014184	3.2254871	21	3 24.8	19.9
233485 2006 TB_{74}	15.5	X	281.62679	155.17892	191.47502	17.26345	0.1892275	0.18106886	3.0943792	21	5 21.3	20.2
233486 2006 UF_{1}	15.4	X	253.67859	62.38256	291.95654	8.23550	0.0176339	0.18066915	3.0989416	21	5 16.9	19.8
233487 2006 XA_{19}	15.2	X	231.93430	267.79787	94.13266	13.75000	0.2203993	0.23395796	2.6084199	21	4 20.3	19.8
233488 2006 YG	17.1	X	107.42363	135.35008	284.30547	16.88388	0.0932466	0.35171282	1.9876683	21	1 14.4	18.7
233489 2007 AM_{25}	16.7	X	194.88736	27.56961	317.09970	17.29988	0.0868442	0.35418522	1.9784076	21	1 31.5	18.9
233490 2007 BT_{80}	17.7	X	113.90500	272.59757	329.39695	2.36307	0.1010067	0.31326395	2.1471503	21	10 30.6	20.6
233491 2007 CL_{5}	17.8	X	134.18862	249.63041	325.00117	7.31861	0.1013910	0.31074934	2.1587179	21	10 13.3	20.8
233492 2007 CK_{21}	17.6	X	153.85579	223.01188	233.54729	3.53274	0.1176732	0.29701863	2.2247451	21	5 27.9	20.5
233493 2007 CJ_{23}	16.6	X	336.04735	133.31100	116.46715	7.94076	0.0517875	0.29069458	2.2568954	21	4 8.8	19.2
233494 2007 CW_{26}	17.1	X	108.48701	220.52691	340.31284	6.59840	0.0511734	0.30013906	2.2092984	21	8 22.3	19.8
233495 2007 DF_{48}	15.3	X	348.25111	357.84826	342.28854	16.86075	0.1690763	0.23691048	2.5867028	21	9 7.4	17.5
233496 2007 DS_{50}	17.6	X	113.91277	243.21408	330.21005	2.68651	0.1305945	0.30467549	2.1873135	21	9 23.0	20.4
233497 2007 DQ_{90}	17.9	X	16.10408	179.05318	349.79121	5.58542	0.1608999	0.27906194	2.3191863	21	2 2.5	19.9
233498 2007 EC_{14}	17.9	X	170.99361	228.30342	5.30523	3.45814	0.1400656	0.31626542	2.1335439	21	12 19.7	20.9
233499 2007 ER_{15}	17.4	X	52.93545	5.83321	140.67368	3.10635	0.1611973	0.28019015	2.3129565	21	3 19.5	19.1
233500 2007 EV_{23}	17.2	X	348.61975	84.37059	84.09778	3.29976	0.1419441	0.27103942	2.3647273	21	—	—
233501 2007 EQ_{27}	17.2	X	107.74617	311.58306	321.36343	3.55923	0.1075739	0.31372839	2.1450306	21	12 5.1	20.1
233502 2007 EC_{32}	17.5	X	28.30495	198.34488	105.59914	2.21370	0.1472491	0.30405527	2.1902870	21	10 12.6	19.6
233503 2007 EM_{51}	16.0	X	280.77194	315.76341	39.21569	2.94933	0.0703563	0.22071161	2.7117684	21	6 14.0	19.7
233504 2007 EA_{75}	17.5	X	242.73425	107.63627	336.24003	2.21868	0.1129544	0.30499417	2.1857896	21	8 22.5	20.2
233505 2007 EK_{82}	16.9	X	81.86400	189.16619	29.79212	8.13897	0.1695418	0.29383338	2.2407941	21	9 1.8	19.9
233506 2007 EW_{102}	16.1	X	182.35048	267.99170	108.19146	4.60786	0.1045560	0.21007907	2.8025123	21	3 22.8	20.4
233507 2007 ED_{142}	17.3	X	89.85680	116.33068	321.41110	3.78407	0.2031786	0.27691742	2.3311445	21	2 19.9	19.5
233508 2007 ET_{160}	17.3	X	21.95480	268.12269	331.78217	5.02277	0.1353220	0.28816361	2.2700911	21	6 9.9	19.2
233509 2007 EB_{161}	16.8	X	201.12635	186.34990	328.99782	5.99747	0.0508825	0.30710407	2.1757668	21	10 14.5	19.5
233510 2007 EK_{168}	17.3	X	82.89137	74.53485	164.05713	4.07283	0.1332212	0.29839977	2.2178750	21	9 22.6	20.2
233511 2007 EE_{181}	17.6	X	358.23828	24.21761	219.27203	1.21730	0.1090131	0.28280470	2.2986789	21	4 27.6	19.5
233512 2007 EU_{184}	17.1	X	119.74620	257.46610	287.28164	5.59469	0.0767502	0.29949932	2.2124434	21	8 14.4	19.8
233513 2007 EM_{204}	16.8	X	353.48659	126.06400	132.93479	6.48181	0.0827587	0.28829697	2.2693910	21	5 17.4	19.1
233514 2007 EY_{210}	17.6	X	135.19832	200.25850	346.24153	2.56078	0.0405127	0.30503131	2.1856122	21	9 5.4	20.1
233515 2007 FC_{13}	17.1	X	84.05351	195.76989	317.30933	6.79161	0.0353291	0.28691062	2.2766956	21	4 30.1	19.9
233516 2007 FZ_{32}	16.9	X	71.02920	195.81073	35.07752	3.24480	0.0778040	0.29432889	2.2382785	21	8 17.9	19.4
233517 2007 GP_{14}	16.9	X	126.62830	272.10836	175.95904	6.49857	0.0550692	0.27981442	2.3150266	21	4 6.4	19.6
233518 2007 GT_{27}	14.8	X	85.77796	253.26828	79.21219	16.22236	0.0819104	0.17849871	3.1240118	21	12 29.2	19.5
233519 2007 GX_{29}	16.2	X	164.90324	6.61116	196.16315	8.70165	0.1008249	0.23885532	2.5726425	21	10 26.9	20.0
233520 2007 GW_{40}	17.4	X	316.34806	84.35767	197.74167	2.14637	0.0563799	0.28041074	2.3117433	21	4 22.1	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233521 2007 GU_{44}	17.7	X	57.60093	2.99153	146.02468	1.74195	0.1027047	0.27725909	2.3292290	21	3 26.5	20.0
233522 Moye	16.8	X	192.31123	186.34002	116.35814	7.14009	0.1584276	0.25794488	2.4440951	21	—	—
233523 2007 HD_{7}	16.6	X	152.05965	336.57603	231.95708	1.98086	0.1346335	0.23688917	2.5868579	21	10 19.6	20.7
233524 2007 HK_{11}	17.6	X	357.07868	106.67575	165.35379	3.32724	0.2382994	0.28334448	2.2957586	21	6 3.4	18.8
233525 2007 HM_{14}	16.8	X	55.14909	52.60051	268.73566	1.00751	0.1283362	0.23502880	2.6004908	21	11 27.5	20.3
233526 2007 HA_{26}	17.7	X	51.51461	120.99667	77.82237	4.27743	0.1090931	0.28372459	2.2937077	21	5 31.4	19.9
233527 2007 HU_{31}	16.5	X	300.42621	43.90106	258.96106	3.36151	0.0470008	0.21223312	2.7835174	21	5 5.2	20.3
233528 2007 HY_{32}	15.0	X	317.80336	192.55263	222.76469	13.22368	0.2353526	0.24074719	2.5591470	21	10 21.7	17.1
233529 2007 HJ_{35}	17.2	X	310.52889	189.50452	4.25012	2.40830	0.0474336	0.26372859	2.4082297	21	—	—
233530 2007 HP_{43}	15.2	X	69.56667	299.41603	61.98204	10.25182	0.1001748	0.17846765	3.1243742	21	—	—
233531 2007 HM_{61}	17.1	X	139.05404	285.39217	141.91568	6.67636	0.0749249	0.27403900	2.3474398	21	3 30.1	20.1
233532 2007 HA_{68}	16.5	X	97.31772	192.54518	107.92202	4.05911	0.2440626	0.23989451	2.5652075	21	12 26.2	20.8
233533 2007 HC_{68}	17.3	X	115.25805	49.57366	103.53298	3.65717	0.0934332	0.29094514	2.2555994	21	6 27.2	20.0
233534 2007 HN_{74}	17.6	X	39.86920	30.29128	128.64414	3.10452	0.1180031	0.27509124	2.3414500	21	3 10.3	19.6
233535 2007 HU_{78}	17.3	X	295.87902	210.66286	43.47020	2.05142	0.1494907	0.27149818	2.3620628	21	2 2.7	20.6
233536 2007 HT_{79}	16.8	X	245.32311	238.30402	190.52799	2.65503	0.0610879	0.22564927	2.6720634	21	8 7.0	20.4
233537 2007 HR_{85}	17.2	X	294.78688	106.74994	137.86047	2.64538	0.1475883	0.26850917	2.3795599	21	1 20.0	20.5
233538 2007 HJ_{95}	16.2	X	358.27520	206.76836	112.83579	8.44172	0.1014079	0.22217137	2.6998770	21	8 27.1	19.2
233539 2007 HW_{97}	16.5	X	333.49462	149.38465	96.39604	7.12427	0.0798396	0.27603352	2.3361183	21	3 27.9	19.2
233540 2007 JS_{12}	15.2	X	216.13336	174.61811	95.08099	16.03670	0.1030325	0.18601834	3.0392438	21	—	—
233541 2007 JQ_{15}	15.5	X	122.80740	99.57240	221.14757	16.32425	0.1317155	0.17722306	3.1389849	21	—	—
233542 2007 JY_{18}	17.4	X	5.15974	50.88068	137.11707	3.55716	0.0941595	0.27183211	2.3601279	21	2 18.8	19.7
233543 2007 JJ_{21}	17.1	X	60.52681	154.21972	21.43169	3.43483	0.0518318	0.28043168	2.3116283	21	5 2.7	19.6
233544 2007 JY_{22}	16.2	X	74.97914	23.36905	294.62391	1.49730	0.1410990	0.23647652	2.5898664	21	12 17.8	20.0
233545 2007 JU_{25}	16.1	X	121.13613	212.86367	142.95657	5.41567	0.0737171	0.18392146	3.0623003	21	—	—
233546 2007 JN_{26}	17.1	X	103.19197	19.42820	109.46412	6.53897	0.0899700	0.27941934	2.3172083	21	5 8.9	19.9
233547 Luxun	16.5	X	306.07453	235.34412	66.00888	6.00102	0.2544716	0.27557153	2.3387285	21	4 5.3	19.6
233548 2007 JW_{28}	17.0	X	108.14587	163.23621	48.59420	7.93135	0.1369184	0.29627401	2.2284711	21	9 19.3	20.2
233549 2007 JP_{30}	17.2	X	341.95660	129.84825	137.49523	3.15662	0.1380240	0.27925873	2.3180967	21	5 2.3	19.3
233550 2007 JC_{31}	15.9	X	179.76052	25.60609	176.24498	12.58842	0.1953914	0.23950819	2.5679652	21	11 7.1	20.3
233551 2007 LD_{13}	15.5	X	29.61723	237.40906	143.55037	11.16090	0.2272371	0.23705635	2.5856415	21	—	—
233552 2007 LC_{17}	16.8	X	321.37247	98.80412	76.30512	7.06490	0.0663996	0.26043800	2.4284723	21	—	—
233553 2007 MO_{13}	16.7	X	257.49567	355.02679	269.78527	2.35912	0.2071298	0.25818664	2.4425692	21	1 6.2	20.5
233554 2007 MF_{24}	15.6	X	172.55443	349.26047	32.26293	7.70309	0.1234383	0.18787302	3.0192084	21	3 22.9	20.4
233555 2007 NT_{3}	17.0	X	273.54372	220.51276	55.10253	3.03582	0.1749075	0.26266656	2.4147168	21	2 5.4	20.6
233556 2007 NX_{3}	16.6	X	346.00361	183.61726	103.46731	14.23696	0.2438138	0.27861004	2.3216935	21	6 1.0	18.3
233557 2007 NA_{5}	15.8	X	24.45540	218.44645	102.17198	4.41317	0.1573436	0.21986594	2.7187175	21	10 18.7	18.9
233558 2007 OF_{5}	16.1	X	228.59771	349.70368	36.21541	2.31441	0.0851735	0.19789813	2.9163631	21	5 20.7	20.4
233559 Pizzetti	15.8	X	62.56033	103.22612	155.95610	12.74861	0.1357212	0.21488785	2.7605449	21	9 17.5	19.4
233560 2007 PZ	16.2	X	30.00896	335.36441	322.57957	6.22109	0.1345435	0.21621097	2.7492711	21	9 17.9	19.5
233561 2007 PZ_{1}	16.2	X	260.86489	294.53052	47.83565	2.71723	0.0954964	0.20060260	2.8900921	21	5 1.1	20.4
233562 2007 PG_{6}	16.9	X	253.43340	274.45354	25.80186	2.89889	0.1677255	0.26276354	2.4141225	21	2 17.3	20.5
233563 2007 PM_{6}	17.0	X	310.35963	114.97793	156.91043	5.28595	0.2053755	0.26713940	2.3876871	21	3 7.9	19.8
233564 2007 PR_{11}	16.5	X	161.97409	141.54002	114.41869	5.75764	0.1138626	0.23277353	2.6172607	21	12 25.9	20.5
233565 2007 PD_{13}	15.1	X	193.89599	23.28680	322.31171	17.65112	0.0672487	0.18566966	3.0430477	21	2 22.7	19.8
233566 2007 PT_{13}	15.0	X	129.84849	48.43555	320.98361	25.55992	0.2014449	0.17442675	3.1724441	21	2 4.3	19.9
233567 2007 PU_{15}	16.1	X	349.03541	325.25758	357.81924	8.78185	0.1479920	0.20879524	2.8139885	21	8 14.8	19.1
233568 2007 PW_{20}	15.7	X	185.67826	214.35521	148.15597	5.21456	0.1482586	0.18256362	3.0774657	21	3 12.5	20.7
233569 2007 PB_{26}	15.5	X	227.41432	358.26086	331.55409	10.07783	0.1174762	0.18580324	3.0415890	21	3 9.3	20.3
233570 2007 PU_{29}	15.6	X	49.87646	123.80364	139.12744	8.46302	0.1828638	0.21215149	2.7842314	21	9 12.4	19.1
233571 2007 PW_{29}	16.2	X	92.70529	194.71486	125.27267	3.30194	0.2092523	0.22947679	2.6422681	21	—	—
233572 2007 PR_{31}	15.7	X	317.84208	335.36015	337.75853	5.25877	0.0681205	0.20432438	2.8548892	21	6 10.5	19.4
233573 2007 PX_{42}	17.0	X	310.89689	68.00910	196.62459	2.62688	0.1747159	0.26544583	2.3978322	21	3 2.6	20.0
233574 2007 PR_{46}	16.7	X	321.15964	83.86501	171.68238	0.51878	0.0724702	0.18966202	3.0001926	21	4 1.3	20.7
233575 2007 PZ_{46}	16.4	X	151.73975	214.11101	290.52376	2.03285	0.0623339	0.20497056	2.8488859	21	7 26.4	20.4
233576 2007 QL	15.3	X	149.93791	177.93544	177.12208	9.69394	0.0842528	0.17378254	3.1802794	21	1 23.1	20.2
233577 2007 QU_{1}	16.1	X	28.90776	85.28770	211.25096	5.60130	0.0792244	0.21492507	2.7602261	21	9 6.9	19.6
233578 2007 QK_{5}	12.6	X	36.77403	17.81348	352.55626	19.89707	0.0745040	0.08250243	5.2258656	21	11 22.7	19.5
233579 2007 QK_{6}	16.7	X	277.16817	15.69047	314.22370	5.80267	0.1593807	0.26770712	2.3843103	21	4 17.1	20.0
233580 2007 QW_{8}	16.1	X	167.78028	12.62405	341.71263	1.77556	0.1261416	0.17863208	3.1224566	21	2 13.6	21.1
233581 2007 QX_{8}	16.6	X	198.05152	97.58226	157.24607	11.81633	0.2567149	0.24189283	2.5510603	21	—	—
233582 2007 QH_{13}	16.1	X	51.21122	262.11925	0.42736	8.45387	0.1259579	0.20981680	2.8048472	21	9 4.5	19.6
233583 2007 RR	17.3	X	5.14642	77.40926	103.06560	3.72854	0.1176134	0.25812286	2.4429715	21	2 9.3	19.8
233584 2007 RQ_{2}	16.1	X	92.67245	300.60724	335.89761	7.75977	0.2320552	0.22211834	2.7003068	21	11 19.0	20.7
233585 2007 RJ_{18}	15.9	X	156.32724	279.53134	356.33665	6.97806	0.1805007	0.23286201	2.6165977	21	—	—
233586 2007 RA_{23}	14.9	X	173.17486	75.99717	266.95995	11.08510	0.0608135	0.17773492	3.1329553	21	1 29.3	19.7
233587 2007 RY_{25}	16.4	X	308.97317	29.73962	224.99242	0.61449	0.0094788	0.18869817	3.0104004	21	3 23.7	20.6
233588 2007 RD_{58}	16.6	X	1.34254	155.34527	142.18992	3.34623	0.1832522	0.27541014	2.3396421	21	8 3.9	18.3
233589 2007 RC_{70}	15.7	X	292.55065	185.27429	82.97650	2.52171	0.0655992	0.18588258	3.0407235	21	3 14.0	20.0
233590 2007 RX_{81}	16.0	X	254.91395	194.32002	147.20889	1.77211	0.0514127	0.19231851	2.9725008	21	4 29.6	20.2
233591 2007 RS_{103}	15.2	X	187.71516	13.43844	5.71367	18.57631	0.1093087	0.18233012	3.0800926	21	3 30.9	20.0
233592 2007 RT_{109}	15.3	X	93.99330	90.80838	359.90521	10.30331	0.0210510	0.17951674	3.1121899	21	3 7.5	19.5
233593 2007 RH_{116}	16.3	X	44.15817	45.74300	274.23204	2.29353	0.1949873	0.21729572	2.7401138	21	11 18.3	19.9
233594 2007 RD_{120}	16.0	X	24.81402	235.20168	53.52297	2.68777	0.0359240	0.20569610	2.8421828	21	8 19.3	19.7
233595 2007 RM_{134}	15.1	X	228.01577	210.01761	139.15554	10.08093	0.0761308	0.18688934	3.0297935	21	4 9.9	19.8
233596 2007 RY_{134}	15.3	X	98.47194	273.69587	352.98789	11.89963	0.1335067	0.21828363	2.7318400	21	11 1.5	19.7
233597 2007 RJ_{135}	15.5	X	281.86877	328.75690	327.86920	5.10754	0.0789597	0.18813825	3.0163703	21	3 30.7	19.8
233598 2007 RR_{137}	15.9	X	173.82202	47.56784	335.71907	4.00584	0.1522232	0.18162383	3.0880725	21	3 24.5	21.0
233599 2007 RN_{158}	16.1	X	249.83652	306.67817	61.60980	2.88023	0.1165669	0.19522682	2.9429060	21	5 19.3	20.4
233600 2007 RO_{168}	13.2	X	346.27323	20.44028	46.99412	4.24090	0.0552151	0.08134390	5.2753674	21	11 27.4	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233601 2007 RT_{210}	15.1	X	100.25448	79.83220	336.82130	15.69382	0.0952594	0.17537197	3.1610346	21	2 13.5	19.5
233602 2007 RW_{260}	15.4	X	228.82749	190.97666	126.99538	5.08182	0.0490430	0.17895497	3.1186996	21	3 4.2	20.0
233603 2007 RL_{277}	15.0	X	303.08183	356.76688	280.28024	10.99597	0.0942188	0.18855228	3.0119530	21	3 26.4	19.5
233604 2007 RT_{308}	15.6	X	91.57860	320.53581	202.61623	9.17188	0.2711136	0.18901679	3.0070164	21	7 5.3	20.3
233605 2007 RE_{310}	16.3	X	316.72176	211.93435	51.92241	6.48974	0.0910120	0.26311579	2.4119674	21	3 27.2	19.2
233606 2007 SE_{10}	16.1	X	232.82270	215.49263	138.29467	0.94518	0.0569148	0.19088661	2.9873475	21	4 18.5	20.4
233607 2007 SX_{12}	16.3	X	172.69673	306.64012	335.67640	5.88483	0.1998850	0.23588128	2.5942216	21	—	—
233608 2007 SK_{16}	16.0	X	329.77658	4.28427	270.16456	2.80118	0.0752865	0.19456891	2.9495364	21	5 6.5	19.7
233609 2007 TV_{6}	16.8	X	4.21581	33.87438	262.23194	4.15810	0.2276189	0.27514388	2.3411513	21	8 10.8	18.2
233610 2007 TE_{76}	16.2	X	43.13729	149.93425	140.92347	1.86296	0.0347439	0.21226954	2.7831991	21	9 16.4	19.8
233611 2007 TH_{89}	16.0	X	187.71612	213.71578	88.02520	5.35625	0.1107822	0.23633183	2.5909234	21	—	—
233612 2007 TB_{135}	16.4	X	316.12209	215.67840	28.06635	2.17252	0.1304023	0.18703631	3.0282062	21	3 3.6	20.5
233613 2007 TT_{143}	15.4	X	27.52820	134.47681	21.84212	9.79197	0.0315384	0.17740954	3.1367849	21	3 6.5	19.7
233614 2007 TS_{153}	16.1	X	103.82485	270.98563	5.21414	9.59671	0.1686992	0.21936603	2.7228464	21	11 23.1	20.5
233615 2007 TM_{156}	16.6	X	301.65691	26.17923	308.05370	2.97909	0.1888875	0.26850114	2.3796073	21	5 23.6	19.4
233616 2007 TA_{168}	15.5	X	246.23391	334.85503	351.37544	5.26743	0.0361015	0.18203427	3.0834289	21	4 1.1	19.9
233617 2007 TS_{171}	16.0	X	264.52555	163.82568	145.62839	3.44364	0.1341250	0.18499495	3.0504422	21	3 23.4	20.6
233618 2007 TQ_{204}	16.7	X	340.35547	311.12674	135.04336	3.40354	0.0688837	0.21983296	2.7189894	21	—	—
233619 2007 TZ_{204}	16.5	X	201.12443	163.01035	128.13694	2.74884	0.1562513	0.23754667	2.5820823	21	—	—
233620 2007 TL_{221}	16.0	X	232.32612	98.14873	144.32124	2.79880	0.0653889	0.16952083	3.2333595	21	—	—
233621 2007 TP_{235}	15.5	X	306.19132	222.59954	59.20165	3.94223	0.1612326	0.18747500	3.0234803	21	4 3.4	19.6
233622 2007 TJ_{236}	16.6	X	216.90248	242.33556	141.82886	2.45713	0.0335885	0.18632742	3.0358818	21	5 10.5	20.9
233623 2007 TG_{243}	15.8	X	138.20021	310.22650	322.58884	12.02465	0.2887582	0.22988950	2.6391048	21	12 24.3	20.7
233624 2007 TS_{272}	15.6	X	263.90053	119.56750	160.84314	5.57613	0.1137353	0.17537975	3.1609413	21	2 18.2	20.3
233625 2007 TR_{274}	16.7	X	84.58046	268.78433	19.46734	3.97109	0.0664865	0.22073730	2.7115580	21	11 9.7	20.6
233626 2007 TO_{393}	16.0	X	13.75307	316.89616	88.88353	7.43047	0.0384081	0.22262288	2.6962254	21	—	—
233627 2007 TF_{440}	15.3	X	26.87643	185.93940	341.98780	12.57063	0.1140667	0.17916289	3.1162863	21	3 15.6	19.2
233628 2007 TD_{443}	15.4	X	299.69727	238.15941	56.87988	9.58570	0.0688196	0.18966093	3.0002041	21	4 25.6	19.6
233629 2007 UE_{52}	14.9	X	59.29321	271.60513	240.45995	14.84131	0.0485774	0.17341818	3.1847326	21	4 6.7	19.4
233630 2007 UF_{91}	17.0	X	233.61145	319.70903	284.37177	0.67658	0.1517419	0.23224498	2.6212302	21	—	—
233631 2007 UA_{107}	15.9	X	183.88790	225.22223	45.72555	12.55069	0.1721276	0.22769657	2.6560224	21	—	—
233632 2007 UC_{113}	15.1	X	357.21445	238.06084	69.30956	9.06089	0.2050196	0.20139653	2.8824916	21	8 8.9	18.0
233633 2007 VW_{10}	16.4	X	13.91333	185.44207	186.43157	5.05380	0.0877062	0.21181779	2.7871549	21	11 27.2	19.9
233634 2007 VF_{25}	15.3	X	330.80473	308.56571	12.84332	12.04386	0.1729746	0.19647378	2.9304410	21	7 2.7	18.8
233635 2007 VE_{27}	15.3	X	341.06729	183.28859	329.93405	10.17433	0.0369842	0.16808610	3.2517328	21	1 1.5	19.9
233636 2007 VA_{32}	16.1	X	278.79867	32.52862	289.24674	4.90635	0.1046634	0.18630432	3.0361328	21	4 24.0	20.6
233637 2007 VW_{89}	15.4	X	209.80100	353.42711	70.05320	9.45591	0.0376991	0.18885976	3.0086830	21	6 19.6	19.7
233638 2007 VP_{216}	16.3	X	107.54747	172.29317	317.70694	1.63618	0.0708724	0.17832300	3.1260636	21	5 17.4	20.6
233639 2007 WO_{17}	15.0	X	319.48806	61.79703	233.09717	13.84686	0.0306048	0.18312376	3.0711870	21	5 25.8	19.3
233640 2008 AC_{19}	16.5	X	337.99582	8.16036	113.14533	6.48149	0.1129089	0.21361934	2.7714625	21	—	—
233641 2008 HN_{12}	15.8	X	312.43083	283.22963	53.16422	11.91434	0.2119975	0.23122644	2.6289221	21	6 10.8	18.8
233642 2008 KW	17.1	X	166.53762	196.99681	121.61271	6.54326	0.1410351	0.27311577	2.3527270	21	—	—
233643 2008 MB_{1}	14.7	X	114.69620	195.91696	117.70269	16.93908	0.1382685	0.17948824	3.1125193	21	—	—
233644 2008 OZ_{6}	16.2	X	351.47694	54.86424	295.53155	10.84755	0.1658836	0.22952187	2.6419220	21	9 22.4	19.1
233645 2008 OO_{10}	15.6	X	143.67699	188.86334	117.59447	9.57466	0.1904626	0.18164944	3.0877823	21	—	—
233646 2008 OJ_{18}	16.1	X	95.39786	353.26550	50.41081	1.68476	0.1807368	0.17690572	3.1427377	21	2 1.9	20.3
233647 2008 PE_{2}	16.9	X	149.90285	229.88391	104.61541	3.20344	0.2066757	0.26257453	2.4152809	21	—	—
233648 2008 PN_{8}	16.7	X	180.90122	18.60074	314.66532	6.73560	0.1348889	0.26896215	2.3768874	21	1 19.5	20.1
233649 2008 PJ_{12}	15.2	X	118.99088	57.38434	324.41444	15.25831	0.2315446	0.18295032	3.0731276	21	2 8.9	19.7
233650 2008 PM_{15}	16.9	X	107.31311	240.88177	147.94292	5.23516	0.1958820	0.26117394	2.4239082	21	1 12.6	19.6
233651 2008 PV_{18}	15.6	X	85.25093	279.55966	138.08632	25.80585	0.2887027	0.18165097	3.0877650	21	2 21.3	19.6
233652 2008 PC_{21}	15.4	X	167.64767	28.61582	23.69711	14.71938	0.2177107	0.20074142	2.8887596	21	4 23.3	20.4
233653 Rether	15.3	X	132.89825	143.38072	178.48759	27.70911	0.1408014	0.17910052	3.1170097	21	—	—
233654 2008 QV_{2}	16.9	X	127.73144	196.19611	157.58911	2.95480	0.2043231	0.25751525	2.4468128	21	—	—
233655 2008 QH_{12}	17.3	X	162.11747	128.05283	211.68037	0.65468	0.2019649	0.26473142	2.4021441	21	1 14.9	21.0
233656 2008 QA_{20}	16.1	X	356.75122	301.27259	98.31456	14.95796	0.1664287	0.23921102	2.5700915	21	12 23.3	18.6
233657 2008 QE_{23}	15.6	X	178.04297	106.01584	320.57144	14.17369	0.1375094	0.20494001	2.8491690	21	5 14.3	20.5
233658 2008 QG_{28}	15.3	X	236.52552	289.39903	118.65829	9.96729	0.1487347	0.21423211	2.7661751	21	6 21.2	19.6
233659 2008 QM_{28}	16.3	X	139.40798	304.93642	43.26322	7.18398	0.1499852	0.26040237	2.4286938	21	—	—
233660 2008 QR_{32}	16.0	X	263.00995	81.99484	268.58120	8.79524	0.0896374	0.21389981	2.7690393	21	5 12.5	20.1
233661 Alytus	17.1	X	131.95770	151.83817	269.10736	3.80961	0.0565460	0.27318549	2.3523267	21	3 4.9	20.2
233662 2008 QB_{44}	15.4	X	166.40203	196.83745	101.53518	11.07211	0.1593737	0.18249057	3.0782870	21	—	—
233663 2008 QM_{47}	16.4	X	246.84533	283.28665	117.29866	2.36337	0.0549405	0.21481953	2.7611301	21	7 3.5	20.3
233664 2008 RA_{2}	17.3	X	172.11375	192.13495	154.19611	2.47805	0.0905322	0.26567374	2.3964606	21	1 22.3	20.6
233665 2008 RO_{9}	16.8	X	300.93052	314.95503	221.27654	4.79533	0.0954357	0.25406548	2.4689120	21	—	—
233666 2008 RK_{23}	15.6	X	358.04763	37.48421	3.69639	15.46601	0.1778862	0.23440903	2.6050725	21	12 28.9	18.8
233667 2008 RQ_{25}	16.8	X	287.99774	13.01207	355.51796	3.85797	0.1078246	0.21677919	2.7444647	21	7 7.6	20.3
233668 2008 RS_{27}	16.0	X	6.56690	207.60419	151.10483	6.53719	0.2992629	0.22978570	2.6398995	21	12 3.1	18.6
233669 2008 RC_{30}	16.8	X	67.77142	134.70904	351.26221	2.46263	0.0448986	0.27202798	2.3589949	21	3 4.2	19.5
233670 2008 RW_{35}	15.1	X	227.22393	165.49844	355.72635	9.24936	0.0434222	0.15982353	3.3628609	21	11 3.2	20.0
233671 2008 RY_{39}	16.4	X	152.95284	220.94024	175.05959	3.45659	0.1457039	0.19254245	2.9701957	21	3 20.1	21.0
233672 2008 RO_{42}	16.6	X	101.26780	43.35813	35.03723	0.68018	0.2029689	0.18706687	3.0278763	21	3 24.6	20.9
233673 2008 RP_{45}	17.2	X	284.52657	46.86861	30.70132	2.56321	0.0882151	0.22873581	2.6479713	21	10 9.1	20.4
233674 2008 RE_{57}	17.4	X	295.70011	13.60981	277.29809	1.56327	0.1372049	0.28309022	2.2971330	21	3 21.4	20.3
233675 2008 RR_{65}	16.6	X	315.32511	223.60637	143.82339	4.23294	0.2242289	0.22298119	2.6933361	21	7 31.7	19.3
233676 2008 RD_{67}	16.5	X	288.77759	274.36195	90.60311	3.39670	0.1327548	0.21691128	2.7433505	21	6 29.2	20.0
233677 2008 RJ_{70}	14.7	X	286.04210	294.26171	260.95137	11.12822	0.1138858	0.17811882	3.1284521	21	—	—
233678 2008 RX_{74}	17.5	X	175.85741	68.76885	288.08407	1.18735	0.2271389	0.26938465	2.3744015	21	2 18.2	21.3
233679 2008 RV_{79}	16.2	X	306.81108	251.18676	119.67155	6.68064	0.1479981	0.22315112	2.6919686	21	8 2.7	19.4
233680 2008 RU_{91}	16.8	X	316.13676	176.86287	350.11231	2.38241	0.1333578	0.25601216	2.4563806	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233681 2008 RH_{106}	15.6	X	29.56448	111.55593	320.01548	9.44295	0.0867205	0.17870079	3.1216562	21	—	—
233682 2008 RV_{110}	16.4	X	70.40661	338.77624	77.85557	2.60383	0.1541251	0.17743732	3.1364575	21	1 9.1	20.1
233683 2008 RG_{113}	13.8	X	347.88135	121.36314	295.81257	5.94578	0.0930598	0.08312117	5.1998995	21	11 17.4	20.3
233684 2008 RV_{116}	15.4	X	67.22004	228.89008	231.44552	10.90158	0.0793850	0.17791905	3.1307935	21	2 14.1	19.8
233685 2008 RG_{121}	17.1	X	340.86238	326.99240	205.47700	0.53170	0.1274423	0.26141176	2.4224378	21	—	—
233686 2008 RN_{129}	16.3	X	319.11423	311.80745	2.86954	1.74331	0.0510236	0.20377591	2.8600096	21	6 17.0	19.9
233687 2008 RF_{134}	16.7	X	269.74063	229.61861	147.02765	6.59716	0.1947714	0.29196114	2.2503635	21	6 9.6	19.7
233688 2008 RC_{136}	16.2	X	80.96170	292.14020	261.34532	3.11168	0.0310536	0.21446627	2.7641613	21	6 28.2	19.8
233689 2008 SE_{4}	16.4	X	327.77890	274.05377	112.44668	3.36041	0.1517672	0.22770159	2.6559833	21	10 6.1	19.0
233690 2008 SZ_{5}	15.9	X	286.52872	287.94250	164.65066	13.38483	0.1336847	0.22956235	2.6416115	21	10 29.7	19.2
233691 2008 SX_{9}	15.7	X	206.89830	104.21043	201.18244	2.97399	0.0797804	0.18910238	3.0061090	21	1 21.2	20.3
233692 2008 SX_{11}	16.0	X	199.03915	260.04472	197.07741	1.87584	0.0603268	0.21358083	2.7717956	21	7 19.1	20.0
233693 2008 SM_{18}	16.2	X	184.09375	291.06672	154.51617	9.44727	0.2449388	0.21021818	2.8012758	21	6 17.6	21.2
233694 2008 SM_{20}	16.4	X	297.13795	96.95016	337.53280	4.17200	0.0700721	0.23067321	2.6331238	21	10 24.2	19.5
233695 2008 SB_{30}	16.3	X	227.47125	101.74760	336.93030	2.99285	0.0821841	0.21496617	2.7598743	21	7 27.6	20.2
233696 2008 SU_{33}	16.5	X	270.59724	240.74659	165.24875	3.27661	0.1776783	0.22243085	2.6977769	21	7 22.8	20.3
233697 2008 SE_{34}	17.0	X	116.66996	208.10669	152.11265	1.74820	0.2032161	0.25715447	2.4491008	21	—	—
233698 2008 SK_{34}	17.1	X	280.22568	230.93033	154.57669	6.48575	0.0384879	0.29839800	2.2178837	21	8 1.4	19.6
233699 2008 SW_{45}	16.1	X	125.67873	356.11618	61.69657	0.90527	0.1575214	0.18755404	3.0226307	21	3 20.9	20.5
233700 2008 SN_{48}	16.6	X	92.62775	126.20626	348.81225	5.28527	0.0815580	0.27340399	2.3510732	21	3 29.8	19.2
233701 2008 SJ_{50}	16.8	X	117.78541	223.49553	185.44482	5.42266	0.1741271	0.26355472	2.4092888	21	2 18.4	19.8
233702 2008 SF_{51}	16.7	X	270.05733	220.47305	186.11532	2.18260	0.0859465	0.21925928	2.7237301	21	8 5.8	20.2
233703 2008 SK_{58}	16.8	X	11.61613	225.69710	165.93769	4.14760	0.0996596	0.23588152	2.5942198	21	12 25.8	19.9
233704 2008 SY_{67}	17.1	X	291.91537	144.14908	154.64267	5.53352	0.1757275	0.28229938	2.3014212	21	3 24.4	20.2
233705 2008 SL_{68}	16.0	X	278.13629	203.60733	313.10697	11.72333	0.1135318	0.23805834	2.5783812	21	—	—
233706 2008 SF_{74}	15.8	X	271.24125	120.41898	271.35543	4.52931	0.0904339	0.21523770	2.7575527	21	7 17.6	19.4
233707 Alfons	16.9	X	105.63105	146.20922	262.94221	10.12075	0.0792976	0.26584426	2.3954357	21	1 16.7	19.7
233708 2008 SB_{91}	16.5	X	142.94763	282.21275	355.87078	4.15493	0.0694000	0.24290083	2.5439977	21	—	—
233709 2008 SS_{95}	16.3	X	274.20249	98.03754	260.43493	2.10002	0.1265541	0.20967746	2.8060897	21	6 2.1	20.3
233710 2008 SM_{97}	16.3	X	228.78579	117.24787	358.38472	4.76900	0.0895914	0.22160520	2.7044737	21	9 14.6	20.0
233711 2008 SM_{102}	15.9	X	197.00154	172.30620	70.75401	6.62103	0.0411218	0.24421235	2.5348814	21	—	—
233712 2008 SM_{105}	16.6	X	238.14395	294.98664	186.18337	1.95283	0.0528525	0.22453517	2.6808950	21	10 8.3	20.2
233713 2008 SG_{107}	16.3	X	133.14522	243.37038	103.48615	16.55839	0.1152638	0.25940810	2.4348957	21	—	—
233714 2008 SQ_{112}	16.1	X	112.54636	330.98719	112.36325	3.43133	0.1750048	0.18891636	3.0080820	21	4 10.1	20.5
233715 2008 SD_{129}	16.2	X	102.74035	307.13008	350.73145	3.25611	0.1741738	0.23873466	2.5735092	21	12 23.5	20.2
233716 2008 SO_{129}	16.4	X	349.60704	346.27531	10.23601	6.36009	0.0451000	0.22288466	2.6941138	21	9 29.8	19.8
233717 2008 SK_{130}	16.7	X	29.29055	275.79803	235.88559	3.18263	0.0403816	0.26404452	2.4063084	21	2 9.6	19.5
233718 2008 SR_{131}	16.1	X	0.14306	72.86138	272.42425	1.69961	0.0896173	0.22389253	2.6860225	21	10 1.8	19.3
233719 2008 SE_{135}	16.8	X	239.35540	5.43778	330.37356	6.37590	0.1680297	0.27615837	2.3354142	21	3 16.0	20.6
233720 2008 SK_{142}	15.8	X	76.68216	352.02682	101.16346	2.54380	0.1461504	0.18111500	3.0938536	21	3 4.3	19.8
233721 2008 SE_{143}	15.7	X	67.43018	34.81281	200.21141	8.40137	0.0862919	0.21215281	2.7842198	21	8 10.6	19.6
233722 2008 SY_{151}	16.5	X	335.79574	172.37402	20.32755	6.83069	0.0732884	0.26570274	2.3962862	21	1 17.1	19.5
233723 2008 SS_{153}	16.3	X	251.01884	260.55821	169.01556	4.91564	0.1474823	0.21909212	2.7251153	21	8 2.9	20.4
233724 2008 SN_{154}	16.3	X	329.43488	228.23433	137.43400	2.70948	0.1062081	0.22499275	2.6772589	21	9 9.7	19.3
233725 2008 SP_{158}	16.9	X	124.11361	146.42199	328.07386	5.17204	0.1321909	0.28042802	2.3116484	21	5 18.3	20.0
233726 2008 SZ_{165}	16.9	X	172.19540	231.94368	173.67271	6.53446	0.0917390	0.27479538	2.3431303	21	4 10.1	20.1
233727 2008 SG_{167}	16.2	X	336.10528	306.74656	60.22445	4.01044	0.1620073	0.22428675	2.6828742	21	9 23.5	18.8
233728 2008 SQ_{189}	17.0	X	282.81210	150.21455	329.07344	2.12648	0.1476134	0.23319778	2.6140854	21	11 23.6	19.8
233729 2008 SF_{192}	15.9	X	136.82943	354.40117	170.98445	6.38449	0.0104963	0.21348434	2.7726308	21	7 30.7	19.8
233730 2008 ST_{196}	16.7	X	251.86855	275.71771	181.28940	3.42799	0.1074203	0.22020148	2.7159549	21	9 15.4	20.3
233731 2008 SL_{210}	17.0	X	176.41312	307.39363	171.16864	6.85985	0.0423800	0.29217824	2.2492487	21	7 21.7	20.0
233732 2008 SD_{218}	15.8	X	130.49891	59.98553	308.00982	12.24711	0.1097169	0.17934514	3.1141747	21	1 21.6	20.3
233733 2008 SZ_{242}	16.6	X	355.69124	339.63493	93.45960	1.61541	0.1072841	0.23792225	2.5793643	21	—	—
233734 2008 SF_{243}	15.9	X	282.86443	186.30697	95.55648	2.66841	0.0253253	0.19164143	2.9794981	21	3 23.9	20.1
233735 2008 SK_{256}	16.9	X	221.45896	70.94307	28.96995	3.20215	0.0318260	0.21733893	2.7397506	21	8 23.7	20.8
233736 2008 SS_{256}	16.3	X	259.17324	334.32507	22.32716	2.06348	0.0861405	0.20420558	2.8559963	21	5 17.8	20.3
233737 2008 SB_{257}	16.0	X	305.06307	205.49242	117.28424	9.03745	0.2521720	0.21328429	2.7743642	21	5 10.3	19.7
233738 2008 SN_{257}	16.2	X	225.43650	4.66273	51.33001	4.66293	0.0938553	0.20923295	2.8100626	21	6 23.9	20.5
233739 2008 SJ_{258}	16.3	X	115.65372	94.88129	345.48626	1.53755	0.0605737	0.18918339	3.0052507	21	3 23.8	20.6
233740 2008 SJ_{269}	15.8	X	352.09053	320.43872	112.96821	10.50162	0.0917378	0.24021010	2.5629603	21	—	—
233741 2008 SN_{271}	17.1	X	256.73768	318.44645	104.39340	1.75141	0.0493825	0.21475151	2.7617132	21	8 16.4	20.7
233742 2008 SB_{272}	15.6	X	355.82115	209.08527	150.08491	12.94507	0.1954086	0.22585905	2.6704086	21	10 28.9	18.4
233743 2008 SO_{290}	15.8	X	166.82201	61.05375	345.85164	9.07904	0.0750104	0.19378442	2.9574913	21	4 8.1	20.3
233744 2008 SA_{298}	15.9	X	198.14336	234.92664	170.12482	2.71307	0.0260441	0.20243597	2.8726161	21	5 13.7	20.0
233745 2008 SF_{301}	16.1	X	259.52122	68.11083	331.70308	5.21558	0.1384128	0.21421560	2.7663173	21	7 7.7	20.0
233746 2008 SR_{303}	17.4	X	333.12158	345.43984	317.02659	4.49018	0.1564111	0.29087442	2.2559650	21	6 4.8	19.5
233747 2008 SL_{304}	15.9	X	111.67686	306.35251	129.91742	7.32642	0.1151616	0.18747181	3.0235146	21	3 24.8	20.3
233748 2008 SL_{307}	16.9	X	213.69138	202.60908	135.26264	6.81816	0.1514229	0.27147619	2.3621903	21	2 26.5	20.5
233749 2008 TF_{3}	16.4	X	59.07129	9.91742	337.58707	4.63083	0.1541282	0.23511783	2.5998343	21	—	—
233750 2008 TM_{4}	16.5	X	240.26780	230.23442	192.91950	3.65016	0.1528344	0.21422851	2.7662061	21	7 13.0	20.8
233751 2008 TW_{6}	16.4	X	313.37631	319.42340	195.57188	5.73813	0.1029754	0.25175224	2.4840128	21	—	—
233752 2008 TY_{8}	15.6	X	151.88574	268.90596	108.13114	6.23059	0.1880045	0.18607642	3.0386113	21	3 2.8	20.5
233753 2008 TN_{17}	16.7	X	294.27089	339.88883	344.00312	1.43481	0.0592456	0.20378343	2.8599392	21	5 23.9	20.6
233754 2008 TH_{18}	15.8	X	180.95057	22.34189	352.64346	1.26681	0.1950457	0.19090476	2.9871581	21	3 22.5	20.8
233755 2008 TT_{20}	16.1	X	32.82013	31.33841	92.34325	0.05057	0.1150147	0.17734917	3.1374967	21	1 30.3	19.8
233756 2008 TQ_{24}	16.5	X	179.29426	224.79762	266.70136	0.75096	0.0180638	0.21682660	2.7440647	21	8 11.1	20.3
233757 2008 TY_{25}	14.8	X	29.72778	130.43341	322.63378	27.18236	0.1349454	0.17416367	3.1756381	21	—	—
233758 2008 TV_{42}	16.3	X	199.26875	164.51458	315.99289	8.98939	0.1101746	0.21553250	2.7550377	21	8 15.9	20.4
233759 2008 TL_{51}	15.9	X	41.78475	306.47597	147.32570	1.83691	0.1506027	0.17625571	3.1504596	21	1 8.3	19.4
233760 2008 TT_{55}	17.0	X	293.20833	248.43790	216.08244	1.23457	0.1641963	0.23165581	2.6256727	21	11 19.2	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233761 2008 TE_{67}	16.5	X	78.60179	92.16617	131.26829	2.48254	0.0208507	0.21295373	2.7772345	21	8 2.9	20.3
233762 2008 TL_{67}	16.3	X	333.19366	230.88217	150.32194	3.05099	0.1435468	0.22489772	2.6780130	21	10 8.1	19.0
233763 2008 TK_{74}	15.7	X	178.79859	7.90698	298.55357	1.60266	0.0626555	0.17504792	3.1649346	21	—	—
233764 2008 TF_{84}	16.3	X	197.23540	253.26301	221.12961	2.95202	0.1250775	0.21431608	2.7654525	21	8 4.8	20.5
233765 2008 TR_{99}	17.0	X	23.83482	119.08809	48.64641	1.94357	0.1238549	0.26798854	2.3826408	21	2 21.9	19.2
233766 2008 TL_{104}	16.8	X	78.69564	96.83302	234.28096	3.80431	0.1393733	0.24025135	2.5626669	21	—	—
233767 2008 TD_{112}	15.5	X	107.83001	87.97600	357.47534	9.89080	0.0732208	0.18923011	3.0047560	21	3 22.1	19.7
233768 2008 TM_{112}	15.7	X	44.76852	232.50995	237.30222	8.70507	0.1033889	0.18041508	3.1018503	21	1 27.3	19.7
233769 2008 TB_{118}	16.3	X	23.82503	112.73886	215.93883	5.67453	0.1271240	0.22601111	2.6692107	21	10 22.7	19.5
233770 2008 TK_{120}	16.0	X	205.29554	329.10511	139.54606	5.64429	0.1093844	0.21586353	2.7522203	21	8 7.7	20.1
233771 2008 TO_{124}	16.1	X	306.89760	86.64922	305.74474	3.21410	0.0994847	0.22314129	2.6920478	21	9 7.7	19.3
233772 2008 TW_{130}	18.0	X	105.93749	339.58912	291.60131	2.70704	0.1647460	0.31162041	2.1546932	21	12 3.6	21.0
233773 2008 TU_{146}	14.0	X	352.72589	274.33268	145.68582	3.22785	0.0954889	0.08362227	5.1791052	21	11 29.0	20.4
233774 2008 TE_{158}	15.3	X	194.51587	1.35417	2.22998	11.71003	0.1123035	0.19082966	2.9879418	21	3 19.9	19.9
233775 2008 TO_{158}	16.1	X	355.36574	246.18356	172.55527	11.69654	0.0571732	0.23396613	2.6083592	21	12 31.6	19.6
233776 2008 TH_{160}	16.9	X	179.63725	101.98536	81.01199	2.34011	0.0242582	0.22681608	2.6628916	21	10 20.1	20.6
233777 2008 TT_{161}	17.3	X	323.73973	140.67583	74.40630	2.30291	0.1358614	0.26560111	2.3968975	21	1 19.5	20.2
233778 2008 TK_{164}	14.9	X	211.93544	281.09213	148.30547	17.89839	0.2486546	0.12628686	3.9345699	21	6 21.1	21.6
233779 2008 TF_{165}	16.0	X	100.12687	177.85172	238.26265	4.73573	0.1106741	0.18003381	3.1062280	21	2 9.9	20.3
233780 2008 TR_{167}	15.2	X	39.17629	110.50987	317.05211	6.53280	0.0456919	0.16986001	3.2290538	21	—	—
233781 2008 TO_{171}	16.2	X	172.66362	242.86656	172.84361	1.08387	0.0573481	0.19103868	2.9857619	21	4 28.2	20.5
233782 2008 TP_{172}	16.0	X	251.91231	301.19926	241.81723	12.52104	0.1189999	0.24013432	2.5634995	21	—	—
233783 2008 TR_{180}	14.9	X	55.94065	293.37965	130.14692	15.57258	0.1307134	0.17504046	3.1650246	21	—	—
233784 2008 UR_{1}	15.9	X	281.61276	250.47545	180.44967	12.45165	0.1402106	0.21994905	2.7180326	21	9 15.6	19.2
233785 2008 UA_{4}	16.7	X	293.25214	228.85972	347.17488	9.35605	0.0880130	0.25411665	2.4685805	21	—	—
233786 2008 UH_{6}	16.1	X	9.02869	200.68657	100.78504	7.82816	0.0800075	0.21832235	2.7315170	21	8 17.9	19.4
233787 2008 UG_{15}	16.3	X	220.93513	151.78391	332.05973	4.22013	0.1069281	0.22289609	2.6940216	21	9 13.2	20.1
233788 2008 UW_{16}	17.4	X	190.51325	318.71037	26.89552	1.89642	0.2005299	0.26826826	2.3809843	21	2 16.8	21.1
233789 2008 UH_{22}	16.6	X	262.78125	32.00551	27.82967	1.99704	0.0711065	0.21732920	2.7398324	21	8 17.6	20.2
233790 2008 UY_{23}	13.3	X	320.50690	219.33635	234.37045	5.98227	0.0526008	0.08372363	5.1749243	21	11 25.8	19.9
233791 2008 UO_{24}	16.4	X	108.65566	26.20632	49.54406	2.87765	0.0575288	0.18598975	3.0395552	21	3 11.2	20.6
233792 2008 UQ_{41}	16.4	X	46.43930	254.70979	34.02346	3.67819	0.0564869	0.21814672	2.7329829	21	9 22.6	20.0
233793 2008 UH_{53}	16.7	X	222.62045	186.65608	250.50817	1.04040	0.0629199	0.20671726	2.8328150	21	7 20.8	20.8
233794 2008 UE_{59}	16.2	X	190.27430	271.47139	118.02410	3.38533	0.1235435	0.19503469	2.9448384	21	4 16.8	20.8
233795 2008 UA_{60}	15.6	X	13.67123	305.56679	259.97846	6.28826	0.0965186	0.19265927	2.9689949	21	4 9.9	19.3
233796 2008 UU_{61}	16.2	X	77.28795	143.16513	353.69578	3.82275	0.0380277	0.19075012	2.9887724	21	4 11.0	20.3
233797 2008 UW_{83}	17.3	X	230.73965	197.99204	90.94800	2.61393	0.1665633	0.26111278	2.4242866	21	1 13.5	21.2
233798 2008 US_{94}	15.9	X	148.59269	241.15875	36.78453	10.58702	0.1170345	0.23896234	2.5718743	21	—	—
233799 2008 UQ_{110}	16.0	X	289.72783	355.69474	311.34060	3.95139	0.0878421	0.20001973	2.8957040	21	4 20.2	20.0
233800 2008 UZ_{111}	16.6	X	101.88443	301.13688	324.93852	3.07904	0.1187226	0.22882962	2.6472476	21	11 7.6	20.6
233801 2008 UW_{113}	16.0	X	19.84861	92.15634	21.10462	6.67863	0.1113033	0.17256219	3.1952557	21	—	—
233802 2008 UJ_{114}	16.2	X	35.83468	91.87208	15.13323	5.57029	0.1233305	0.17442721	3.1724387	21	1 16.4	20.0
233803 2008 UH_{117}	16.8	X	220.37454	12.68885	274.68237	4.78109	0.1184124	0.25835623	2.4415002	21	1 2.1	20.5
233804 2008 UX_{117}	17.0	X	292.57193	306.74331	356.78210	5.85305	0.1964654	0.27957875	2.3163274	21	3 26.9	20.3
233805 2008 US_{127}	15.8	X	25.54970	12.83948	162.09224	1.45063	0.0903946	0.18299450	3.0726330	21	3 23.9	19.6
233806 2008 UO_{143}	16.3	X	133.69572	336.59526	214.40874	3.65089	0.0075524	0.21496110	2.7599177	21	8 29.3	20.1
233807 2008 UK_{144}	16.7	X	32.78124	158.81633	125.45727	1.11925	0.0336471	0.21398033	2.7683446	21	8 23.9	20.4
233808 2008 UD_{145}	16.6	X	146.65731	139.01004	86.95206	2.28234	0.0591412	0.22554049	2.6729225	21	11 3.8	20.3
233809 2008 UR_{148}	15.0	X	284.23582	211.66987	47.27940	8.68407	0.0594363	0.18351354	3.0668366	21	2 24.9	19.5
233810 2008 UR_{151}	16.4	X	329.97261	333.37173	46.68144	2.64531	0.0897320	0.22080388	2.7110128	21	10 1.5	19.6
233811 2008 UN_{155}	17.1	X	275.00843	352.20099	124.11889	1.30532	0.0359201	0.23133823	2.6280751	21	11 23.3	20.3
233812 2008 UW_{165}	17.4	X	283.89475	63.60470	186.44521	0.97381	0.1428412	0.26342642	2.4100709	21	1 16.6	20.7
233813 2008 UM_{167}	16.4	X	322.07105	140.62685	177.07271	2.88693	0.0960932	0.20851405	2.8165178	21	6 20.2	19.8
233814 2008 UF_{170}	15.7	X	216.75474	147.52896	307.08179	4.57020	0.0710170	0.21466812	2.7624283	21	8 5.1	19.5
233815 2008 UK_{174}	16.9	X	292.32511	270.62093	335.43770	0.51623	0.1621425	0.26199793	2.4188233	21	1 18.9	20.2
233816 2008 US_{183}	16.3	X	271.88150	212.28324	135.70198	2.68009	0.0794985	0.20521230	2.8466482	21	5 24.1	20.3
233817 2008 UC_{185}	15.9	X	177.21038	10.24276	313.42117	0.80104	0.0837533	0.17493772	3.1662637	21	1 16.2	20.5
233818 2008 UA_{192}	16.1	X	334.60785	301.99693	107.16166	3.75347	0.0304733	0.22965076	2.6409334	21	11 18.8	19.5
233819 2008 UB_{192}	16.2	X	238.28691	281.21609	162.27962	4.13369	0.0671891	0.21358959	2.7717198	21	8 16.5	20.0
233820 2008 UG_{201}	16.0	X	223.21654	153.82670	319.98531	4.95723	0.0482537	0.21892277	2.7265204	21	9 8.6	19.8
233821 2008 UC_{203}	17.5	X	210.73261	0.58380	341.25878	4.39505	0.1755691	0.27036190	2.3686763	21	2 28.0	21.2
233822 2008 UE_{203}	15.9	X	310.63084	7.24164	353.30241	6.11282	0.0261353	0.21502277	2.7593900	21	8 11.2	19.5
233823 2008 UM_{208}	16.3	X	72.49862	166.69794	0.93109	2.92769	0.0146518	0.19821581	2.9132462	21	5 10.8	20.3
233824 2008 US_{211}	17.1	X	292.33529	300.81703	359.27587	3.17462	0.1787098	0.27430974	2.3458950	21	3 25.6	20.3
233825 2008 UE_{240}	16.3	X	137.86497	249.34678	330.36172	5.77600	0.0573929	0.22192819	2.7018489	21	10 13.4	20.2
233826 2008 UB_{242}	15.6	X	262.54697	226.37427	134.29739	12.84614	0.1050818	0.20668300	2.8331281	21	5 28.2	19.9
233827 2008 UF_{244}	12.9	X	18.45437	281.63945	111.14818	13.19286	0.0664209	0.08108339	5.2866609	21	12 1.9	19.7
233828 2008 UP_{244}	15.6	X	28.04792	19.81283	307.17145	14.51908	0.1356708	0.22771490	2.6558798	21	10 20.9	19.2
233829 2008 UE_{248}	16.3	X	74.08974	277.27409	206.74692	1.46516	0.0427081	0.18388944	3.0626558	21	3 23.7	20.5
233830 2008 UQ_{248}	16.3	X	111.90597	51.83467	101.80073	3.25831	0.0205430	0.19859694	2.9095177	21	6 15.0	20.1
233831 2008 UO_{253}	16.3	X	173.11539	35.19997	218.78427	6.18373	0.0695759	0.23879294	2.5730905	21	—	—
233832 2008 UR_{262}	16.3	X	181.58313	290.31062	256.45690	2.38311	0.0457674	0.22300807	2.6931197	21	10 23.7	20.0
233833 2008 UY_{266}	16.6	X	191.32886	144.90673	323.53504	1.82909	0.0193625	0.21025606	2.8009394	21	7 27.1	20.3
233834 2008 UA_{267}	16.7	X	142.13010	246.37507	353.67928	3.37850	0.0296525	0.22900760	2.6458758	21	11 14.6	20.3
233835 2008 UD_{274}	16.3	X	77.19001	79.30299	34.19097	1.21450	0.1767494	0.18251111	3.0780559	21	4 3.1	20.3
233836 2008 UF_{277}	16.3	X	82.20459	206.58806	204.09958	0.64763	0.1731086	0.17543997	3.1602178	21	1 22.1	20.3
233837 2008 UX_{277}	16.2	X	93.32318	33.88817	44.31846	2.53573	0.1245354	0.18260961	3.0769490	21	3 4.9	20.4
233838 2008 UY_{278}	16.1	X	55.31013	56.74633	57.53135	1.96022	0.1447472	0.18053595	3.1004656	21	2 26.1	19.7
233839 2008 UW_{288}	16.8	X	22.90761	138.90853	77.78107	3.78595	0.0307532	0.19893628	2.9062082	21	5 10.6	20.6
233840 2008 UZ_{291}	16.4	X	315.95812	24.39362	338.90429	2.17840	0.0917177	0.21666699	2.7454122	21	8 14.4	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233841 2008 UR_{296}	16.1	X	86.38411	353.81649	240.36875	4.56733	0.0218709	0.21439640	2.7647618	21	8 25.7	19.9
233842 2008 UO_{303}	16.6	X	293.45169	24.93851	251.82082	7.56889	0.2163056	0.26983047	2.3717854	21	2 16.8	20.1
233843 2008 UZ_{305}	15.6	X	8.15595	113.53806	19.74107	12.36537	0.1421588	0.17266259	3.1940170	21	1 3.9	19.7
233844 2008 UU_{307}	16.1	X	100.21163	275.30596	327.59066	6.46605	0.1786757	0.21915025	2.7246333	21	10 11.1	20.5
233845 2008 UK_{318}	16.6	X	321.85301	48.81043	331.17048	5.41850	0.0473548	0.22117710	2.7079623	21	9 18.3	20.0
233846 2008 UZ_{343}	16.1	X	95.21072	237.06651	176.65401	2.84317	0.0922111	0.17519156	3.1632045	21	1 31.5	20.4
233847 2008 UQ_{347}	16.9	X	141.41960	266.06868	339.08342	1.56793	0.0758703	0.23075455	2.6325050	21	11 21.8	20.9
233848 2008 UV_{347}	15.8	X	342.97740	336.29322	193.48784	1.27500	0.1263395	0.17559685	3.1583353	21	1 10.1	19.8
233849 2008 UH_{351}	17.3	X	238.43014	92.52418	170.63676	3.40229	0.1474869	0.25735387	2.4478356	21	—	—
233850 2008 UL_{354}	16.9	X	43.32531	173.32370	102.01210	0.35747	0.0338671	0.21281897	2.7784067	21	8 26.5	20.4
233851 2008 UG_{357}	16.8	X	69.91606	356.30707	297.80469	2.88570	0.0555697	0.22438598	2.6820831	21	10 28.8	20.5
233852 2008 UC_{364}	15.3	X	184.55042	44.63852	348.12536	13.66434	0.1310271	0.19351993	2.9601854	21	4 9.2	20.2
233853 2008 UU_{365}	16.6	X	320.51283	166.45997	155.27506	2.49582	0.0621480	0.20548634	2.8441167	21	6 27.4	20.1
233854 2008 UU_{367}	15.8	X	57.02869	341.59652	87.27951	5.59578	0.1622670	0.17200393	3.2021657	21	1 5.2	19.6
233855 2008 VG_{2}	16.0	X	35.24261	56.65778	299.37311	3.24204	0.2554664	0.23372743	2.6101348	21	—	—
233856 2008 VM_{3}	16.6	X	283.91049	339.40657	354.23528	8.14189	0.1408113	0.28259950	2.2997914	21	5 1.9	19.7
233857 2008 VL_{13}	15.5	X	164.73117	61.04394	298.18039	8.67229	0.1265280	0.18327094	3.0695424	21	2 13.6	20.4
233858 2008 VX_{13}	16.0	X	326.35427	250.89967	137.24475	4.54928	0.0893986	0.22154134	2.7049933	21	10 7.9	19.1
233859 2008 VR_{15}	15.6	X	112.58396	287.05264	54.86292	3.32514	0.0828271	0.16942320	3.2346016	21	—	—
233860 2008 VL_{23}	16.3	X	135.32033	211.65166	103.45602	3.22033	0.2024406	0.24436564	2.5338212	21	—	—
233861 2008 VG_{35}	15.7	X	149.91122	256.02196	85.04783	5.88169	0.1634549	0.17684096	3.1435049	21	1 16.2	20.5
233862 2008 VL_{38}	16.4	X	247.66755	153.53071	348.54101	2.18139	0.0502781	0.22597244	2.6695152	21	11 16.3	19.9
233863 2008 VN_{42}	16.7	X	128.96940	126.20484	126.83725	4.52504	0.0599127	0.22747724	2.6577294	21	11 18.8	20.6
233864 2008 VO_{59}	15.6	X	219.25215	211.46587	195.92431	2.32515	0.2832572	0.12546449	3.9517444	21	5 29.7	22.2
233865 2008 VL_{70}	16.7	X	164.03717	6.29999	160.73159	1.90161	0.0277844	0.21424883	2.7660312	21	9 7.8	20.5
233866 2008 VN_{76}	16.3	X	140.29557	114.83029	132.25444	4.38396	0.0798466	0.22819644	2.6521422	21	11 24.2	20.2
233867 2008 WK_{13}	15.9	X	98.04217	344.59913	125.04122	1.90036	0.1367528	0.18670043	3.0318369	21	4 20.0	20.1
233868 2008 WH_{15}	15.6	X	87.67372	311.59602	213.03721	6.94351	0.1451638	0.19885522	2.9069979	21	6 16.5	19.6
233869 2008 WE_{20}	16.5	X	351.67682	264.50373	59.96753	1.13713	0.0697712	0.21334234	2.7738609	21	8 19.6	19.8
233870 2008 WT_{22}	16.3	X	262.28600	26.86475	39.48260	2.37560	0.0194896	0.21613529	2.7499128	21	9 2.7	20.1
233871 2008 WQ_{23}	16.0	X	16.50564	45.54812	286.43279	3.95280	0.0656371	0.22082371	2.7108506	21	10 5.3	19.4
233872 2008 WW_{23}	16.1	X	126.57650	195.85302	15.64129	1.93412	0.0355513	0.21683692	2.7439776	21	9 20.6	20.0
233873 2008 WG_{25}	16.5	X	262.11188	330.01238	86.33079	5.57769	0.0629876	0.21268733	2.7795531	21	8 13.9	20.4
233874 2008 WL_{59}	16.0	X	325.55106	297.34126	109.79065	3.49008	0.0721131	0.22586171	2.6703876	21	11 2.4	19.1
233875 2008 WT_{59}	16.2	X	43.69656	206.18388	141.48390	4.60396	0.2303127	0.23263242	2.6183190	21	12 30.6	19.9
233876 2008 WB_{61}	15.2	X	343.06941	75.35257	71.11284	5.84324	0.0697141	0.17078347	3.2174033	21	—	—
233877 2008 WY_{78}	16.3	X	147.82436	176.74034	110.38807	6.24262	0.1710056	0.23978627	2.5659795	21	—	—
233878 2008 WQ_{81}	15.4	X	240.19414	230.72077	174.05448	4.00230	0.3166829	0.12748774	3.9098231	21	6 8.6	21.9
233879 2008 WM_{91}	15.8	X	260.37471	58.18391	296.97391	8.61949	0.1050922	0.18819523	3.0157614	21	5 14.1	20.4
233880 Urbanpriol	16.1	X	106.97063	21.44273	340.79655	5.49452	0.1644575	0.17272378	3.1932626	21	—	—
233881 2008 WO_{101}	16.3	X	337.54186	12.44536	20.26626	5.63953	0.0794771	0.22425153	2.6831551	21	10 30.0	19.5
233882 2008 WR_{137}	15.8	X	102.67410	178.34949	101.41840	10.19114	0.0282391	0.22011812	2.7166406	21	11 19.7	19.7
233883 2008 XO_{5}	15.4	X	234.23941	226.00575	289.00223	13.88376	0.1768616	0.21878956	2.7276270	21	10 23.6	19.7
233884 2008 XP_{10}	16.0	X	217.39098	109.39009	174.70362	9.87056	0.1454472	0.25358548	2.4720265	21	—	—
233885 2008 XF_{11}	16.4	X	358.16176	199.97521	169.01781	7.20899	0.0342378	0.22118176	2.7079242	21	10 29.7	19.9
233886 2008 XQ_{18}	16.0	X	132.41441	195.88566	178.60735	1.59490	0.1453841	0.17343325	3.1845480	21	2 4.4	20.9
233887 2008 XC_{21}	15.8	X	129.52140	97.19469	256.86915	2.88835	0.1834968	0.24594748	2.5229451	21	—	—
233888 2008 XZ_{22}	16.2	X	348.23849	215.99038	175.07111	2.48685	0.0810237	0.22559667	2.6724788	21	11 15.7	19.3
233889 2008 XH_{42}	15.9	X	349.02021	258.79114	336.31969	2.96965	0.1268442	0.18284828	3.0742709	21	4 9.8	19.6
233890 2008 XV_{53}	15.7	X	185.48352	269.80818	91.63534	4.83211	0.1173920	0.18323711	3.0699202	21	3 11.6	20.5
233891 2008 XA_{54}	15.8	X	176.54069	138.83718	169.74360	3.03774	0.0763205	0.16844644	3.2470937	21	—	—
233892 2008 YE_{4}	15.7	X	160.66191	298.28523	126.10067	10.19549	0.0454386	0.18332621	3.0689255	21	4 29.3	20.3
233893 Honthyhanna	15.5	X	214.83767	268.29202	151.23891	3.53304	0.2140381	0.12590786	3.9424617	21	6 12.3	21.9
233894 2008 YK_{29}	15.7	X	100.40034	170.44332	275.76713	3.34479	0.1549395	0.17542771	3.1603651	21	3 25.9	20.3
233895 2008 YF_{49}	17.1	X	25.29550	54.35697	12.89833	2.38733	0.1273275	0.23295732	2.6158839	21	—	—
233896 2008 YB_{80}	16.3	X	90.57192	151.42900	143.79426	5.71409	0.0286047	0.21446755	2.7641503	21	11 22.3	20.2
233897 2008 YJ_{127}	16.5	X	297.77317	179.27610	108.54130	10.20361	0.2061143	0.25967077	2.4332534	21	3 19.0	20.0
233898 2008 YF_{135}	16.1	X	78.04938	129.94848	229.42588	3.28572	0.0591761	0.23727335	2.5840648	21	—	—
233899 2009 AB_{19}	16.2	X	239.24756	118.84785	133.12349	4.94847	0.1691898	0.23779126	2.5803114	21	—	—
233900 2009 AN_{24}	15.1	X	80.77600	195.57817	296.78957	15.94349	0.0951706	0.17693879	3.1423461	21	4 12.2	19.8
233901 2009 BT	15.5	X	132.24562	145.51783	293.53041	12.50241	0.1903421	0.17914816	3.1164571	21	4 20.4	20.7
233902 2009 BM_{7}	16.9	X	24.32573	257.70237	178.56237	4.27322	0.1596570	0.23441192	2.6050512	21	—	—
233903 2009 BD_{47}	16.6	X	287.43335	170.65272	299.77746	2.93181	0.0580388	0.21518320	2.7580183	21	11 26.2	20.1
233904 2009 BA_{128}	14.9	X	30.32020	93.54295	122.36832	12.00001	0.0146246	0.18021814	3.1041096	21	5 23.1	19.4
233905 2009 CU_{22}	15.5	X	223.04564	347.76228	307.46619	17.66836	0.2087473	0.24042948	2.5614010	21	1 18.4	19.8
233906 2009 CT_{38}	15.8	X	56.66800	214.19503	346.91496	8.62510	0.0750535	0.18437905	3.0572315	21	6 10.9	20.0
233907 2009 CA_{62}	15.3	X	155.86173	264.63274	172.87866	14.90390	0.1151776	0.17813935	3.1282118	21	5 13.9	20.4
233908 2009 CD_{62}	15.0	X	232.22950	270.26067	90.07578	10.53936	0.0925136	0.17526222	3.1623541	21	4 28.2	19.9
233909 2009 DF_{36}	16.3	X	0.45112	76.46417	92.07453	10.88072	0.0559703	0.24040764	2.5615561	21	1 28.1	19.5
233910 2009 FJ_{20}	14.7	X	225.71465	199.67464	168.66984	23.74060	0.1414442	0.17245898	3.1965304	21	4 28.2	20.1
233911 2009 FT_{38}	17.4	X	88.83277	114.93619	160.24860	1.24227	0.1999594	0.27686186	2.3314564	21	11 20.8	21.0
233912 2009 NC	16.0	X	29.07458	161.91708	230.75005	24.00361	0.1591035	0.26413384	2.4057658	21	—	—
233913 2009 QD_{58}	16.7	X	8.21956	274.21055	153.95016	7.84599	0.0882795	0.26726416	2.3869440	21	—	—
233914 2009 RD_{60}	15.3	X	41.97410	144.53737	220.27497	16.55660	0.2277910	0.17706008	3.1409108	21	—	—
233915 2009 RE_{73}	13.2	X	316.23636	224.78247	222.14680	4.38754	0.0507568	0.08476617	5.1324059	21	11 13.6	19.7
233916 2009 SV_{95}	16.0	X	32.28129	11.09710	341.17656	0.23494	0.2182104	0.17212388	3.2006779	21	12 7.7	20.1
233917 2009 SL_{129}	15.6	X	153.21474	122.88118	189.02942	13.76638	0.1250454	0.19031022	2.9933763	21	—	—
233918 2009 SU_{146}	13.5	X	349.34637	0.22442	53.45368	7.49543	0.0737066	0.08526652	5.1123081	21	11 17.1	19.9
233919 2009 SP_{154}	17.0	X	30.83928	4.05328	47.09896	1.15125	0.1654257	0.18155791	3.0888200	21	—	—
233920 2009 SD_{161}	16.6	X	294.35788	155.66600	200.56350	5.84040	0.2595415	0.23102681	2.6304363	21	6 4.8	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
233921 2009 SC_{320}	16.5	X	285.38920	186.54211	243.96590	1.03841	0.0768024	0.23738491	2.5832552	21	10 2.6	19.8
233922 2009 TT_{1}	16.2	X	260.98986	264.90254	92.16998	2.07532	0.3020712	0.22665991	2.6641147	21	4 27.1	20.5
233923 2009 TD_{20}	15.9	X	134.03943	123.87134	202.43437	1.30082	0.1724319	0.18442191	3.0567579	21	—	—
233924 2009 TM_{32}	15.5	X	7.44921	220.26354	206.02702	9.03014	0.0700404	0.17860494	3.1227729	21	—	—
233925 2009 UL_{2}	12.4	X	339.23237	148.26526	268.79825	13.49742	0.1489694	0.08194055	5.2497278	21	11 2.2	18.7
233926 2009 UN_{4}	17.5	X	44.19837	151.21701	287.22249	0.75570	0.1605800	0.27076588	2.3663197	21	—	—
233927 2009 UT_{32}	15.9	X	52.12658	207.78322	48.34381	5.74158	0.2829166	0.23368876	2.6104227	21	9 25.4	19.2
233928 2009 UY_{57}	17.3	X	123.51636	337.66289	2.25881	2.24664	0.2211334	0.27255445	2.3559561	21	—	—
233929 2009 UN_{83}	18.0	X	120.81635	205.30279	188.98868	1.90893	0.2093748	0.27932968	2.3177041	21	2 5.9	20.7
233930 2009 UG_{88}	16.2	X	140.91418	48.26394	57.97760	12.77461	0.2430637	0.21138877	2.7909247	21	6 7.2	20.9
233931 2009 UF_{103}	16.4	X	220.42511	330.44177	71.74488	5.95970	0.1688565	0.21888313	2.7268496	21	5 26.9	20.6
233932 2009 UZ_{136}	14.9	X	318.96626	231.38875	259.53126	13.70392	0.0918173	0.17480453	3.1678718	21	—	—
233933 2009 UY_{146}	16.2	X	183.78046	280.77491	277.96582	10.17179	0.1309860	0.23127450	2.6285579	21	11 4.0	20.4
233934 2009 VT_{16}	15.4	X	113.98826	60.66303	256.93905	13.34704	0.1961053	0.17494144	3.1662188	21	—	—
233935 2009 VE_{31}	16.6	X	300.29146	19.47611	31.49674	8.46027	0.1572475	0.23888336	2.5724412	21	9 21.9	19.4
233936 2009 VZ_{38}	17.1	X	52.84701	156.41435	268.07285	2.59637	0.1881204	0.26727480	2.3868807	21	—	—
233937 2009 VC_{50}	16.0	X	151.82946	88.39093	273.89480	0.89240	0.1436739	0.19531114	2.9420589	21	2 6.2	20.4
233938 2009 VM_{57}	15.1	X	98.91434	278.32412	63.13121	27.59934	0.1329223	0.17638988	3.1488618	21	—	—
233939 2009 VR_{58}	15.2	X	139.92556	222.71476	238.89271	6.76764	0.1831483	0.12535487	3.9540477	21	5 31.4	21.4
233940 2009 VH_{81}	15.2	X	93.95736	269.51260	82.61435	17.21945	0.1522838	0.17923694	3.1154278	21	—	—
233941 2009 WM_{5}	16.5	X	51.33673	120.53593	306.07691	0.14564	0.1694934	0.17496957	3.1658794	21	—	—
233942 2009 WH_{6}	15.7	X	19.17521	281.69734	210.06147	7.65553	0.0985919	0.18777649	3.0202431	21	1 14.7	19.6
233943 Falera	15.6	X	92.42003	108.29947	246.24302	8.14701	0.0836120	0.17611883	3.1520917	21	—	—
233944 2009 WL_{45}	16.2	X	230.71711	179.82129	216.27642	5.28120	0.0492017	0.21863977	2.7288727	21	6 8.2	20.0
233945 2009 WE_{74}	17.5	X	23.70750	343.78702	133.85051	2.06127	0.1429051	0.26950969	2.3736670	21	—	—
233946 2009 WG_{125}	16.0	X	236.30137	266.55230	87.33733	4.49135	0.1044234	0.21109357	2.7935260	21	4 18.6	20.2
233947 2009 WM_{141}	15.9	X	145.55603	76.77475	77.31847	15.14097	0.0449099	0.22586511	2.6703608	21	8 3.4	19.9
233948 2009 WQ_{169}	16.0	X	177.07184	150.59886	276.85942	3.23788	0.0530363	0.21153725	2.7896185	21	5 15.6	20.2
233949 2009 WC_{216}	16.8	X	133.19720	314.43360	115.58366	25.96778	0.3008151	0.28832197	2.2692598	21	4 30.9	21.1
233950 2009 WO_{252}	15.3	X	145.26729	311.43429	143.90336	3.55288	0.1579886	0.12432867	3.9757755	21	5 27.8	21.4
233951 2009 XJ	15.9	X	5.93898	45.27680	80.47874	4.24207	0.1280788	0.18179891	3.0860896	21	—	—
233952 2009 XQ_{9}	16.8	X	61.43760	12.62092	121.99284	5.60888	0.1466828	0.27989791	2.3145662	21	3 18.4	18.8
233953 2009 XS_{15}	15.2	X	109.78580	260.30426	112.99465	13.64233	0.0487074	0.17565398	3.1576505	21	—	—
233954 2009 XY_{16}	15.2	X	24.96593	334.68366	111.41955	13.77913	0.0707652	0.17178122	3.2049328	21	—	—
233955 2009 XB_{19}	15.2	X	39.77831	355.16879	112.62155	11.22286	0.0450909	0.17885100	3.1199081	21	1 18.9	19.2
233956 2009 XL_{19}	16.8	X	54.85548	7.49000	104.32542	6.87620	0.0872254	0.26953669	2.3735085	21	1 26.5	19.1
233957 2009 YQ_{16}	17.5	X	1.91293	67.24405	191.46986	1.19359	0.0630894	0.30026485	2.2086813	21	5 30.4	19.5
233958 2009 YP_{21}	16.4	X	189.69976	94.64227	1.94102	3.08357	0.1489027	0.21386746	2.7693185	21	7 6.6	20.8
233959 2009 YX_{21}	17.0	X	277.53748	101.04466	302.01212	3.41310	0.1689938	0.22442924	2.6817385	21	7 29.9	20.5
233960 2010 AX_{2}	15.0	X	35.69609	311.50825	102.83402	11.59169	0.0732506	0.16851828	3.2461708	21	—	—
233961 2010 AA_{3}	15.7	X	233.07052	306.81663	133.13973	15.02304	0.0653548	0.21769409	2.7367699	21	8 6.4	19.4
233962 2010 AY_{25}	15.6	X	230.94885	89.40710	309.50422	11.23624	0.1094690	0.21123059	2.7923178	21	6 5.9	19.9
233963 2010 AP_{31}	16.9	X	267.63760	12.69171	127.43686	5.42726	0.1667253	0.23696523	2.5863044	21	11 27.7	20.0
233964 2010 AC_{37}	17.1	X	55.66464	139.73926	334.15763	7.26840	0.1396559	0.26828704	2.3808731	21	2 3.8	19.3
233965 2010 AM_{59}	16.8	X	83.03569	97.75979	109.65855	5.78069	0.0922568	0.29482460	2.2357689	21	8 1.9	19.4
233966 2010 BS_{2}	16.4	X	284.48715	137.25863	316.48312	4.63267	0.1545414	0.23389945	2.6088548	21	10 19.4	19.5
233967 Vierkant	15.9	X	141.54476	225.68039	286.81936	5.17761	0.0209889	0.21590410	2.7518755	21	7 21.5	19.7
233968 3021 $T-2$	16.8	X	329.91358	225.71332	148.75615	2.41378	0.1871800	0.22565837	2.6719916	21	9 18.7	19.2
233969 1979 OK_{9}	15.7	X	132.92083	194.22833	154.63870	7.64180	0.2331235	0.24554210	2.5257212	21	1 3.1	19.3
233970 1981 ES_{44}	16.1	X	221.20634	258.52905	330.77127	11.88620	0.1350653	0.23788513	2.5796325	21	—	—
233971 1991 TD_{2}	17.4	X	354.99620	128.39636	177.99333	6.56917	0.2176872	0.29300879	2.2449962	21	8 3.4	18.7
233972 1992 PZ_{5}	16.8	X	134.52228	311.46286	342.61524	6.28366	0.3565505	0.31842017	2.1239079	21	—	—
233973 1993 FX_{4}	15.2	X	285.80699	102.16664	168.02284	10.25942	0.1882924	0.17251740	3.1958087	21	2 20.3	20.0
233974 1993 FG_{45}	16.2	X	203.41484	70.46421	15.52606	5.45338	0.0289793	0.21951541	2.7216109	21	7 13.1	20.1
233975 1994 RC_{7}	16.2	X	240.10844	89.59218	345.49433	4.94347	0.0329548	0.21538683	2.7562797	21	8 13.9	20.1
233976 1994 RC_{14}	16.1	X	268.84902	36.65801	347.96983	8.95808	0.1599810	0.21340596	2.7733096	21	6 25.8	20.1
233977 1994 UK_{9}	16.1	X	168.08017	260.67693	19.29644	13.02508	0.1930040	0.22951516	2.6419735	21	—	—
233978 1995 FD_{9}	17.2	X	332.16059	151.70514	60.83185	4.53905	0.1235867	0.26143220	2.4223115	21	1 31.7	20.1
233979 1995 LS	15.5	X	69.35455	76.40787	102.25432	13.04659	0.0861500	0.19061246	2.9902111	21	6 3.4	19.6
233980 1995 NF_{1}	14.5	X	77.32946	134.99275	154.43561	7.49180	0.2229224	0.12444986	3.9731940	21	11 11.6	20.5
233981 1995 OL_{2}	15.6	X	253.46320	136.23081	159.82602	11.81785	0.1248626	0.17740823	3.1368003	21	2 24.9	20.6
233982 1995 PW	16.4	X	290.91283	261.73360	35.67510	0.25427	0.1541497	0.18066927	3.0989402	21	4 3.9	20.9
233983 1995 SA_{16}	15.7	X	292.79954	111.78338	174.34581	14.09260	0.1511729	0.17850560	3.1239314	21	3 24.8	20.2
233984 1995 SF_{16}	17.5	X	174.21584	88.81579	185.35006	1.82431	0.1821883	0.24148918	2.5539022	21	—	—
233985 1995 SX_{30}	15.8	X	229.19804	322.22188	355.95587	4.16730	0.1147653	0.17511169	3.1641662	21	3 1.2	20.7
233986 1995 SV_{33}	15.8	X	316.15525	267.07099	354.62776	15.50708	0.1614538	0.17849384	3.1240685	21	3 20.8	19.9
233987 1995 UJ_{65}	17.6	X	99.40137	248.09853	33.50507	5.14818	0.1439694	0.30801857	2.1714581	21	12 8.6	20.8
233988 1995 VO_{3}	16.7	X	327.39863	291.36848	117.92813	3.82803	0.1216589	0.22800070	2.6536599	21	11 7.9	19.5
233989 1995 VY_{6}	18.2	X	183.43335	265.48355	183.54418	0.63583	0.1189553	0.29166646	2.2518790	21	6 19.6	21.4
233990 1995 WK_{17}	17.1	X	237.58692	203.82993	322.68279	2.47361	0.1423963	0.22969240	2.6406143	21	11 22.1	20.6
233991 1995 WU_{23}	16.6	X	296.44691	104.66180	32.99839	3.17236	0.0592276	0.23410794	2.6073057	21	—	—
233992 1996 GN_{3}	17.1	X	87.27884	77.42029	56.04756	5.35080	0.0734360	0.27696226	2.3308929	21	4 18.4	19.6
233993 1996 GS_{5}	16.4	X	64.45366	133.61110	145.80064	4.97419	0.0315157	0.21078082	2.7962886	21	9 30.4	20.2
233994 1996 RT_{6}	16.4	X	152.75084	259.10500	350.86850	5.45022	0.0957458	0.24505275	2.5290825	21	12 11.5	20.3
233995 1996 RH_{16}	16.2	X	5.68750	55.12905	186.03111	2.13235	0.0366885	0.18727189	3.0256661	21	5 19.3	20.1
233996 1996 RS_{21}	17.0	X	229.16882	236.25868	89.07895	1.03497	0.1652476	0.26206599	2.4184045	21	2 25.5	20.6
233997 1996 SF_{1}	15.7	X	267.42382	192.32954	94.63984	1.58002	0.1256862	0.18307747	3.0717046	21	2 28.4	20.2
233998 1996 TZ_{16}	15.5	X	19.82289	217.92436	320.22180	8.90873	0.0735179	0.18120937	3.0927794	21	3 15.7	19.6
233999 1996 VG_{35}	15.3	X	316.57254	344.42639	265.58288	8.58050	0.0569087	0.18001513	3.1064429	21	3 17.9	19.7
234000 1996 XP_{13}	16.2	X	303.76133	16.41616	70.53412	6.67887	0.3165231	0.23430440	2.6058480	21	10 26.4	18.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234001 1997 AQ_{20}	16.1	X	65.53688	202.59279	157.90799	3.25525	0.2619317	0.23728150	2.5840057	21	—	—
234002 1997 CG_{11}	17.1	X	2.89453	280.04669	124.04768	4.62046	0.2417904	0.23606095	2.5929051	21	—	—
234003 1997 CR_{11}	16.5	X	231.06362	128.40875	312.06350	10.80124	0.1688832	0.22361312	2.6882595	21	7 25.7	20.5
234004 1997 EJ_{3}	17.2	X	78.85840	263.29612	359.68189	7.36739	0.0877227	0.30107114	2.2047362	21	10 13.3	19.8
234005 1997 ER_{28}	16.9	X	231.12180	160.95824	348.04775	2.52808	0.1153534	0.22631556	2.6668164	21	10 26.2	20.6
234006 1997 EW_{30}	16.5	X	166.35929	109.58765	350.56043	3.86130	0.0267814	0.21294360	2.7773225	21	6 13.8	20.5
234007 1997 ES_{31}	17.5	X	284.70558	62.77131	2.97068	6.10197	0.0690805	0.30369373	2.1920250	21	10 5.1	19.5
234008 1997 EL_{32}	16.9	X	50.67435	118.92259	180.03126	3.88051	0.0759402	0.22078848	2.7111390	21	10 14.5	20.3
234009 1997 EX_{39}	16.3	X	317.76326	301.11614	166.41669	5.89992	0.2561844	0.23607425	2.5928077	21	—	—
234010 1997 FO_{4}	15.3	X	209.53971	23.76403	197.05989	33.13424	0.1729131	0.22885679	2.6470380	21	12 21.7	20.1
234011 1997 HE_{7}	16.0	X	128.85377	40.86495	217.80365	12.40381	0.1241361	0.22204449	2.7009055	21	11 26.5	20.2
234012 1997 LF	17.1	X	12.82924	163.16644	160.84004	6.49922	0.2118462	0.29423464	2.2387565	21	10 26.2	18.9
234013 1997 LR_{16}	15.6	X	167.53234	153.57494	79.56191	13.31243	0.0817879	0.22282608	2.6945859	21	12 4.2	19.5
234014 1997 WJ_{11}	17.0	X	67.04259	47.43236	47.89333	4.03579	0.1950906	0.26214290	2.4179314	21	2 7.1	19.0
234015 1998 FJ_{2}	15.7	X	265.96511	129.21412	357.07998	30.67361	0.2185832	0.23957184	2.5675103	21	10 13.9	19.4
234016 1998 FP_{6}	15.4	X	228.74330	287.00682	35.29157	6.45877	0.1048048	0.16886475	3.2417291	21	3 8.8	20.4
234017 1998 ON_{3}	16.8	X	205.39689	68.75149	187.85662	3.35305	0.1737604	0.23543340	2.5975106	21	—	—
234018 1998 QX_{44}	15.6	X	304.25580	186.69405	173.96899	13.94469	0.1982052	0.21055368	2.7982992	21	7 4.9	19.4
234019 1998 QH_{58}	17.1	X	53.68681	290.57774	349.94742	6.00621	0.0057446	0.29996700	2.2101431	21	9 20.8	19.6
234020 1998 RT_{10}	16.6	X	262.21853	309.58027	127.01310	0.69646	0.0443448	0.21339698	2.7733874	21	9 11.3	20.4
234021 1998 RV_{13}	17.4	X	267.49283	41.21179	353.15193	8.45300	0.1265667	0.29531077	2.2333143	21	7 14.2	20.3
234022 1998 RR_{44}	15.6	X	14.54793	183.48407	154.91692	12.65061	0.1801277	0.21672786	2.7448981	21	10 31.0	18.8
234023 1998 RP_{62}	16.1	X	102.68286	137.91449	171.18964	12.82632	0.2337172	0.22489289	2.6780514	21	—	—
234024 1998 SC_{33}	17.4	X	206.82101	66.35928	354.86566	18.02944	0.1061044	0.37726953	1.8968583	21	5 29.9	20.2
234025 1998 SA_{34}	15.2	X	108.67591	318.04343	353.37965	16.76465	0.2282661	0.22512990	2.6761714	21	—	—
234026 Unioneastrofili	17.3	X	356.39603	208.04103	141.82441	2.67973	0.2021207	0.30187252	2.2008325	21	11 1.1	18.8
234027 1998 SF_{47}	17.7	X	242.78761	8.84276	29.27144	3.39558	0.1746287	0.29045432	2.2581398	21	6 9.7	20.9
234028 1998 SY_{55}	17.0	X	334.68848	165.02715	179.26738	6.44368	0.2109781	0.29869406	2.2164180	21	8 16.4	18.1
234029 1998 SD_{78}	15.9	X	119.30178	108.76699	189.03347	12.64744	0.1937786	0.22569775	2.6716808	21	—	—
234030 1998 SR_{78}	16.0	X	24.79462	176.00286	191.67762	14.46761	0.2029256	0.21997852	2.7177898	21	12 24.5	19.7
234031 1998 SL_{90}	16.0	X	98.43160	141.32672	158.68469	11.79591	0.1836904	0.22336859	2.6902212	21	12 21.1	20.6
234032 1998 SS_{136}	16.6	X	172.37196	303.71877	35.71626	11.03969	0.1921636	0.27771632	2.3266717	21	1 24.8	20.3
234033 1998 TF_{15}	16.6	X	15.97174	101.61628	225.83023	0.97114	0.0735438	0.21121621	2.7924445	21	9 29.9	20.1
234034 1998 UE_{44}	16.5	X	311.62608	348.50302	346.66424	1.64916	0.0813385	0.20494936	2.8490824	21	6 30.2	20.1
234035 1998 VZ_{42}	16.1	X	34.06201	75.95304	46.15140	7.79622	0.1602277	0.18601956	3.0392305	21	1 31.8	19.6
234036 1998 VZ_{48}	16.2	X	310.97818	215.00091	87.34394	3.23638	0.0490652	0.19883370	2.9072077	21	5 20.9	20.0
234037 1998 VG_{57}	17.8	X	85.94398	60.29845	46.00694	2.49766	0.3894741	0.27499643	2.3419881	21	4 29.8	20.5
234038 1998 WD_{38}	16.4	X	279.48434	335.05117	55.71651	2.88753	0.0816754	0.20585354	2.8407335	21	7 30.1	20.2
234039 1998 WP_{42}	15.4	X	85.33115	305.11957	53.41396	29.57039	0.2685172	0.22491027	2.6779134	21	—	—
234040 1998 XF_{1}	17.2	X	109.40758	32.69407	71.86534	7.07591	0.1976525	0.27889272	2.3201244	21	4 29.3	20.2
234041 1998 XA_{19}	17.3	X	147.98000	2.77938	85.86661	3.60001	0.1251887	0.28218881	2.3020223	21	5 12.4	20.5
234042 1999 AH_{32}	16.2	X	24.67108	120.58170	103.27329	2.23389	0.1157569	0.18953024	3.0015832	21	5 27.4	19.6
234043 1999 BS_{4}	15.8	X	62.91084	177.23626	323.91715	8.50681	0.2017157	0.18304924	3.0720204	21	4 16.6	19.6
234044 1999 BU_{26}	15.5	X	72.95738	253.60937	298.49683	7.98764	0.0153498	0.19299958	2.9655038	21	6 13.7	19.7
234045 1999 CF_{7}	15.2	X	4.96103	115.51703	329.62802	26.02768	0.2628386	0.17299080	3.1899758	21	—	—
234046 1999 CH_{29}	15.6	X	43.51947	196.54592	330.60086	5.75506	0.1938419	0.18331043	3.0691016	21	4 18.0	19.0
234047 1999 CY_{49}	15.6	X	92.98899	102.64599	24.14269	6.61856	0.2641405	0.18590432	3.0404864	21	5 21.2	20.1
234048 1999 CL_{132}	15.4	X	10.74988	28.25606	138.62179	17.96969	0.1546874	0.17970806	3.1099806	21	2 16.8	18.8
234049 1999 CO_{147}	16.7	X	290.62609	320.07856	346.70007	7.29138	0.1178193	0.27235376	2.3571133	21	4 8.3	19.7
234050 1999 CX_{148}	17.5	X	137.50261	285.13192	174.22750	2.45074	0.1211657	0.27523471	2.3406362	21	5 14.8	20.8
234051 1999 EZ_{9}	17.2	X	1.39759	303.55702	325.86444	2.97012	0.1180381	0.27605719	2.3359847	21	6 15.4	19.1
234052 1999 EL_{14}	15.9	X	100.42439	92.75122	19.43399	1.46472	0.0436074	0.18149547	3.0895284	21	4 12.4	20.2
234053 1999 FR_{1}	16.9	X	335.72170	300.38223	337.36099	2.78305	0.1172712	0.27396916	2.3478387	21	5 7.6	19.2
234054 1999 FF_{12}	15.6	X	43.64979	115.04081	352.73234	9.78891	0.2401909	0.17713926	3.1399749	21	2 8.0	18.7
234055 1999 FO_{17}	16.2	X	320.70982	106.67561	115.22406	0.41908	0.1472630	0.17398329	3.1778327	21	2 9.9	20.4
234056 1999 FZ_{19}	15.3	X	259.69340	134.30937	183.53731	6.62014	0.0233075	0.18133719	3.0913259	21	4 10.2	19.6
234057 1999 FZ_{79}	17.0	X	87.74135	309.90957	135.09818	5.36666	0.1565209	0.26534173	2.3984593	21	2 22.9	19.5
234058 1999 FK_{84}	15.3	X	298.30796	14.94444	246.14088	7.95469	0.0187472	0.18093694	3.0958831	21	3 14.5	19.8
234059 1999 GT_{15}	15.3	X	17.71937	88.00617	38.98395	6.85427	0.0308514	0.16893353	3.2408492	21	1 16.9	19.8
234060 1999 GY_{63}	16.3	X	40.79365	57.38087	102.45715	0.17278	0.1221789	0.17955255	3.1117760	21	3 30.7	20.0
234061 1999 HE_{1}	17.6	X	12.74134	221.98918	65.80851	8.16632	0.5728431	0.27166165	2.3611151	21	11 6.7	19.7
234062 1999 HL_{1}	15.5	X	36.86274	309.34573	206.83763	27.03449	0.3681891	0.17917814	3.1161094	21	4 14.7	17.9
234063 1999 HO_{6}	15.3	X	20.58194	54.15126	109.25350	17.26833	0.2129198	0.17408965	3.1765381	21	3 8.9	18.9
234064 1999 JB_{70}	14.5	X	327.18222	197.37685	56.11375	18.16623	0.1529572	0.17661996	3.1461266	21	4 6.9	18.7
234065 1999 JJ_{115}	16.7	X	295.24012	242.08159	49.32747	6.31961	0.1289110	0.26463149	2.4027488	21	3 28.9	19.8
234066 1999 LD_{15}	15.5	X	335.42042	106.84449	100.81859	26.81313	0.2829253	0.17301817	3.1896393	21	1 24.4	19.6
234067 1999 LB_{30}	17.0	X	315.27913	179.47711	94.25331	3.28089	0.1980324	0.26509568	2.3999431	21	3 19.9	19.8
234068 1999 LU_{30}	16.5	X	279.65968	231.08612	83.02672	5.98910	0.1449918	0.26504515	2.4002482	21	4 7.3	19.8
234069 1999 OA	16.2	X	56.31742	197.25378	181.35583	14.75242	0.1272707	0.23890729	2.5722694	21	—	—
234070 1999 PV_{1}	15.4	X	67.29227	1.15000	340.14171	11.43178	0.1939347	0.23425921	2.6061832	21	—	—
234071 1999 RG_{141}	16.0	X	71.95053	122.99995	244.58561	1.25116	0.1902683	0.23685902	2.5870775	21	—	—
234072 1999 RJ_{190}	16.2	X	14.55474	256.54426	120.41615	1.91305	0.1522172	0.23061821	2.6335424	21	12 17.2	19.2
234073 1999 RT_{193}	15.8	X	55.54403	21.27957	318.16405	7.19376	0.1790520	0.23187443	2.6240220	21	12 27.5	19.6
234074 1999 RX_{251}	15.5	X	17.72934	38.43427	305.00791	18.62244	0.1984459	0.22751655	2.6574232	21	11 6.1	19.0
234075 1999 RS_{253}	15.7	X	289.82115	97.75784	352.29959	14.58502	0.0809567	0.22852114	2.6496294	21	10 27.9	19.2
234076 1999 SB_{3}	14.4	X	254.23514	60.49901	354.14165	32.03220	0.3393649	0.21423375	2.7661610	21	7 4.4	19.7
234077 1999 SH_{26}	15.9	X	258.51692	265.70882	70.27827	8.96903	0.3078663	0.21232949	2.7826751	21	4 3.9	20.8
234078 1999 TO_{12}	16.4	X	70.18845	176.02009	167.63756	4.68810	0.2518111	0.23278285	2.6171909	21	—	—
234079 1999 TO_{48}	17.2	X	247.85646	330.94622	143.31164	2.27770	0.1494942	0.22313975	2.6920601	21	9 28.3	20.9
234080 1999 TP_{54}	16.6	X	48.88932	332.98536	339.19840	1.78455	0.0524626	0.22453354	2.6809079	21	10 25.1	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234081 1999 TE_{70}	16.3	X	84.81695	93.66435	223.60754	1.05600	0.2120079	0.23169954	2.6253423	21	—	—
234082 1999 TF_{70}	16.7	X	24.31795	102.36488	244.23315	0.61637	0.1224698	0.22604282	2.6689611	21	11 16.1	19.8
234083 1999 TT_{98}	16.0	X	227.01107	265.52680	155.66082	8.10916	0.3021153	0.21312480	2.7757481	21	6 17.9	21.0
234084 1999 TN_{99}	15.8	X	13.02616	184.34358	161.59030	13.52829	0.2975002	0.22629952	2.6669424	21	11 27.7	18.8
234085 1999 TE_{104}	15.5	X	43.91974	325.68213	8.04121	15.48063	0.1752351	0.22796211	2.6539594	21	11 30.9	19.4
234086 1999 TV_{113}	16.7	X	77.76503	39.48849	319.23643	2.02701	0.2447330	0.23544135	2.5974522	21	—	—
234087 1999 TG_{133}	15.7	X	17.06658	3.38071	9.23251	15.52430	0.1298078	0.22868073	2.6483965	21	12 8.4	19.2
234088 1999 TS_{133}	16.7	X	319.09120	213.84118	201.47769	4.70226	0.1715125	0.22508515	2.6765261	21	10 27.6	19.2
234089 1999 TS_{158}	15.9	X	92.42634	1.89659	337.60043	14.37927	0.1255482	0.23754234	2.5821137	21	—	—
234090 1999 TQ_{159}	16.3	X	71.59720	154.38683	206.44042	5.15911	0.2661836	0.23501069	2.6006244	21	—	—
234091 1999 TC_{167}	16.5	X	137.86375	302.90827	346.73248	10.38582	0.1929614	0.23631164	2.5910709	21	—	—
234092 1999 TU_{168}	16.5	X	62.51432	358.41509	338.50837	2.32137	0.1915503	0.23121659	2.6289968	21	—	—
234093 1999 TL_{170}	14.8	X	278.30369	352.21851	15.63100	2.75148	0.2502643	0.12477670	3.9662527	21	6 4.6	20.7
234094 1999 TN_{183}	16.6	X	158.38065	170.75383	171.13705	6.48982	0.1931639	0.24282559	2.5445232	21	1 15.8	20.6
234095 1999 TO_{184}	15.6	X	42.95041	30.95888	316.87599	12.05847	0.1793000	0.22960884	2.6412549	21	12 23.3	19.3
234096 1999 TT_{227}	16.4	X	303.83062	181.75029	218.96021	1.90479	0.1083888	0.22030504	2.7151037	21	9 13.3	19.4
234097 1999 TG_{235}	16.5	X	108.47905	171.49443	167.22784	2.88387	0.1399322	0.23631527	2.5910444	21	—	—
234098 1999 TJ_{243}	16.3	X	229.23674	194.11403	201.18846	4.51256	0.0536171	0.21447536	2.7640832	21	6 5.2	20.2
234099 1999 TO_{293}	16.2	X	272.22867	74.64369	13.84448	11.16875	0.2014754	0.22008333	2.7169269	21	9 19.4	19.7
234100 1999 TU_{299}	16.1	X	104.85979	273.29550	36.31004	11.01180	0.0629893	0.22997061	2.6384842	21	12 31.6	20.1
234101 1999 UK_{37}	16.7	X	141.47790	105.72517	187.34441	7.59731	0.1593036	0.23670148	2.5882252	21	—	—
234102 1999 UK_{42}	16.4	X	232.65591	56.86143	352.35180	8.28344	0.3234713	0.21275913	2.7789276	21	6 4.6	21.6
234103 1999 UO_{52}	16.1	X	305.70585	224.52493	172.54968	8.37706	0.2892791	0.21975446	2.7196368	21	8 12.8	19.1
234104 1999 UA_{57}	16.8	X	40.90881	117.45697	235.07778	2.62256	0.0934908	0.22739481	2.6583715	21	12 12.9	20.1
234105 1999 VP_{15}	15.9	X	246.30485	68.52786	19.95098	13.49579	0.1618733	0.21800860	2.7341371	21	8 27.6	20.1
234106 1999 VU_{39}	15.8	X	207.02094	219.66529	196.00462	4.87410	0.0657518	0.21214242	2.7843107	21	6 4.9	20.0
234107 1999 VP_{42}	16.6	X	316.53080	73.27696	337.82542	2.33131	0.1290563	0.22343808	2.6896634	21	10 17.9	19.5
234108 1999 VR_{82}	16.6	X	69.02715	160.53326	198.75557	6.11816	0.1260993	0.23524553	2.5988934	21	—	—
234109 1999 VA_{116}	16.3	X	135.20663	170.22000	111.77331	2.28721	0.0468310	0.22871630	2.6481219	21	12 30.1	20.1
234110 1999 VL_{126}	16.2	X	303.16363	42.23436	29.42473	9.92418	0.0429218	0.22611051	2.6684284	21	10 31.9	19.7
234111 1999 VU_{130}	16.5	X	188.96952	209.56867	30.80707	3.07091	0.1219977	0.23113025	2.6296515	21	—	—
234112 1999 VD_{167}	16.5	X	326.15257	93.96695	317.66642	1.86403	0.1806463	0.22299149	2.6932533	21	11 3.7	18.9
234113 1999 VY_{167}	15.6	X	197.41477	83.09652	50.34151	14.19253	0.2579479	0.21247021	2.7814463	21	8 31.2	20.7
234114 1999 VH_{186}	15.9	X	210.21376	27.70060	60.29058	11.71598	0.2429034	0.21208742	2.7847921	21	7 10.9	20.8
234115 1999 VT_{218}	16.5	X	262.20519	2.41878	196.42668	8.40678	0.1002967	0.23917256	2.5703670	21	—	—
234116 1999 VX_{224}	16.1	X	335.18376	221.64047	192.49972	7.77426	0.1928095	0.22516926	2.6758596	21	11 30.0	18.6
234117 1999 WZ_{12}	15.8	X	211.77929	157.77248	320.50001	12.21223	0.1907124	0.21416165	2.7667819	21	8 20.1	20.3
234118 1999 XO_{2}	16.6	X	3.96394	190.76347	208.84923	2.06946	0.0790808	0.22645438	2.6657263	21	12 20.2	19.9
234119 1999 XZ_{2}	15.3	X	285.18905	311.18547	77.40716	10.48485	0.2035808	0.21625035	2.7489373	21	7 15.9	18.9
234120 1999 XD_{23}	15.8	X	356.34751	151.70868	231.60196	12.44519	0.2594262	0.22601834	2.6691538	21	12 8.1	18.2
234121 1999 XJ_{51}	15.3	X	286.03226	346.52601	69.28415	16.05146	0.2350297	0.21783796	2.7355648	21	8 25.3	19.1
234122 1999 XP_{111}	15.4	X	221.92379	207.66809	217.85969	12.91106	0.1796533	0.21409990	2.7673138	21	6 24.8	20.1
234123 1999 XJ_{130}	15.4	X	139.41439	89.37570	303.20919	5.53391	0.3490703	0.19829321	2.9124881	21	3 17.1	20.5
234124 1999 XM_{140}	15.6	X	164.53964	118.03489	108.02587	14.44920	0.2364620	0.21553104	2.7550501	21	11 21.2	20.6
234125 1999 XN_{219}	16.6	X	208.40659	327.42323	100.39585	3.20948	0.0415132	0.20476647	2.8507786	21	6 23.4	20.7
234126 1999 YQ_{15}	16.2	X	192.93880	26.89689	205.98910	3.52014	0.1383542	0.22773842	2.6556969	21	12 25.9	20.2
234127 1999 YQ_{23}	17.0	X	356.01638	200.60322	151.70491	2.42045	0.0924307	0.21988740	2.7185406	21	10 6.2	20.0
234128 1999 YL_{24}	16.3	X	306.16720	276.34403	107.24427	6.23025	0.0894665	0.21232770	2.7826907	21	8 28.9	19.7
234129 2000 AN_{129}	15.2	X	126.75514	258.11424	135.45274	18.36489	0.2933926	0.23795748	2.5791097	21	3 4.3	19.2
234130 2000 BX_{32}	17.5	X	274.62153	297.38931	120.60244	4.65722	0.1585068	0.30417608	2.1897070	21	8 23.7	19.9
234131 2000 BY_{36}	16.4	X	353.00493	28.71483	319.24718	4.28975	0.0858909	0.21107481	2.7936915	21	9 21.0	19.8
234132 2000 BL_{37}	16.6	X	312.90453	293.64119	122.29347	3.31935	0.0867870	0.21655441	2.7463635	21	10 23.1	19.8
234133 2000 CQ_{139}	17.7	X	322.58465	214.15458	128.54693	5.99955	0.1927516	0.30038719	2.2080816	21	7 15.5	19.0
234134 2000 CO_{142}	16.9	X	215.69434	138.61792	299.65998	0.99421	0.0468319	0.20503342	2.8483036	21	7 15.6	20.8
234135 2000 DJ_{11}	15.5	X	351.25984	305.89519	177.57676	5.49642	0.1058266	0.17788888	3.1311474	21	—	—
234136 2000 DT_{16}	17.2	X	186.00996	138.06452	338.74229	8.15611	0.1136576	0.29643477	2.2276654	21	8 2.1	20.4
234137 2000 DC_{59}	16.1	X	184.67714	318.02371	164.97703	6.63191	0.0091361	0.20309573	2.8663915	21	8 5.6	20.0
234138 2000 DC_{100}	17.0	X	241.17372	20.93712	108.70288	3.92823	0.1089373	0.30501317	2.1856988	21	10 28.4	19.5
234139 2000 DE_{102}	16.8	X	336.90589	118.34863	108.69375	4.62852	0.1415090	0.28064760	2.3104425	21	2 20.8	19.3
234140 2000 DE_{103}	15.6	X	37.10252	175.58186	11.29504	10.64615	0.0613302	0.19230780	2.9726113	21	4 20.8	19.5
234141 2000 EJ_{9}	17.2	X	205.26500	328.60681	144.08014	4.68078	0.0755298	0.29807830	2.2194693	21	8 19.6	20.0
234142 2000 EA_{22}	16.6	X	46.83124	87.63774	151.86979	23.52523	0.1945871	0.28923816	2.2644652	21	8 9.8	18.9
234143 2000 EY_{44}	16.9	X	183.00707	154.23466	350.63932	5.95331	0.0833406	0.29678784	2.2258983	21	9 6.5	19.7
234144 2000 ET_{50}	16.1	X	145.29295	148.34160	99.58252	13.23678	0.1081313	0.21076069	2.7964667	21	11 29.3	20.6
234145 2000 EW_{70}	21.3	X	71.69946	125.77279	178.04252	5.42780	0.3213094	1.08574695	0.9375267	21	—	—
234146 2000 EM_{101}	16.0	X	354.63753	291.46733	346.69178	3.74804	0.1092296	0.19690484	2.9261626	21	6 18.7	19.4
234147 2000 FP	16.2	X	329.97684	164.42008	355.87072	3.06926	0.1361540	0.17815423	3.1280375	21	—	—
234148 2000 FF_{1}	16.3	X	55.30303	100.74095	93.75506	22.50262	0.2761490	0.28575202	2.2828454	21	6 30.7	18.2
234149 2000 FG_{4}	16.1	X	333.80466	246.86937	357.82008	4.92785	0.1031435	0.18732644	3.0250786	21	3 31.9	19.9
234150 2000 FO_{14}	17.5	X	270.71259	292.88952	73.57557	0.78424	0.1023763	0.28887484	2.2663635	21	6 9.2	20.2
234151 2000 FX_{18}	15.7	X	128.64206	312.39201	152.91843	17.68113	0.3246086	0.19606426	2.9345202	21	6 6.3	21.1
234152 2000 GK_{11}	16.6	X	104.82846	206.31785	11.15181	9.43052	0.1164578	0.29492729	2.2352499	21	9 18.8	19.5
234153 2000 GL_{26}	15.6	X	310.13487	104.31535	192.43081	10.55474	0.0489990	0.19150567	2.9809061	21	5 14.1	19.7
234154 2000 GP_{62}	15.8	X	84.03755	140.92089	21.04668	10.52180	0.0559878	0.19134999	2.9825227	21	5 23.4	20.0
234155 2000 GO_{150}	17.8	X	358.57032	130.66881	170.89725	1.53488	0.1654356	0.28935220	2.2638702	21	8 3.9	19.4
234156 2000 GO_{165}	15.5	X	179.11738	231.66205	195.33283	10.89712	0.0125225	0.19205572	2.9752118	21	5 19.6	19.8
234157 2000 GE_{168}	16.9	X	111.46332	153.07299	71.40892	4.58327	0.0826402	0.29550008	2.2323604	21	10 3.7	19.8
234158 2000 HQ_{4}	17.6	X	95.73703	111.15862	70.45595	4.27878	0.1113363	0.28814004	2.2702149	21	7 15.7	20.3
234159 2000 HB_{16}	16.9	X	8.37394	256.18934	42.15006	7.41016	0.1294484	0.28875032	2.2670150	21	8 23.9	19.0
234160 2000 HS_{72}	16.5	X	10.07527	323.53458	24.27415	6.95142	0.2057510	0.29676443	2.2260153	21	11 22.3	18.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234161 2000 HP_{82}	17.4	X	68.63112	104.76720	155.87583	1.62404	0.1569024	0.29197052	2.2503153	21	10 8.0	20.1
234162 2000 HM_{103}	15.6	X	353.13955	81.14611	170.05881	12.98867	0.1884667	0.18822371	3.0154572	21	5 8.1	19.0
234163 2000 JB_{86}	15.0	X	230.67018	128.40710	156.99951	27.64124	0.2260083	0.17377231	3.1804043	21	1 19.4	20.7
234164 2000 KD_{2}	16.0	X	2.35880	42.73453	144.59634	23.61205	0.1897650	0.27748528	2.3279631	21	1 28.3	18.2
234165 2000 KF_{57}	14.7	X	272.31201	145.31415	126.18165	23.98243	0.0083532	0.18080880	3.0973456	21	3 4.8	19.3
234166 2000 KD_{67}	14.5	X	293.27395	71.93386	150.09891	22.86265	0.3122250	0.17541195	3.1605544	21	—	—
234167 2000 KV_{69}	17.2	X	2.34080	80.77126	226.76399	1.09656	0.2897186	0.28479964	2.2879319	21	9 8.2	17.9
234168 2000 LB	15.5	X	10.33132	110.07579	236.11322	7.60677	0.2085878	0.23979535	2.5659147	21	11 7.8	18.0
234169 2000 LR	16.8	X	24.37539	199.58558	43.72881	6.20386	0.1234900	0.28298652	2.2976941	21	6 20.5	18.8
234170 2000 LG_{22}	16.9	X	120.44785	30.18185	139.38677	6.69123	0.0575893	0.28728119	2.2747374	21	7 22.8	19.8
234171 2000 LB_{28}	16.8	X	359.60027	169.84299	103.24204	7.02737	0.1593542	0.28019991	2.3129029	21	6 16.9	18.4
234172 2000 ND_{18}	15.1	X	258.24478	318.36717	325.93765	13.68506	0.2351447	0.17213643	3.2005223	21	2 8.9	20.4
234173 2000 NO_{18}	17.0	X	344.86734	199.96655	92.21152	3.70766	0.2199693	0.27893787	2.3198740	21	6 7.4	18.3
234174 2000 OJ_{2}	17.0	X	230.60497	77.21036	269.07084	0.49021	0.1928091	0.26866155	2.3786600	21	3 22.4	20.8
234175 2000 OH_{36}	15.4	X	303.83912	109.15992	209.24578	6.68920	0.2161994	0.18214910	3.0821329	21	5 8.2	19.4
234176 2000 OS_{54}	17.5	X	29.48682	137.42358	127.37387	3.08899	0.2307412	0.28301032	2.2975653	21	8 24.9	19.1
234177 2000 QZ_{1}	15.7	X	351.78487	190.66572	147.90766	14.27707	0.3047843	0.23573146	2.5953206	21	9 26.8	17.3
234178 2000 QW_{6}	16.5	X	348.71552	240.98644	151.63882	13.11250	0.3175709	0.23910917	2.5708213	21	12 20.0	18.7
234179 2000 QJ_{7}	16.1	X	295.23182	305.80898	347.53209	12.42437	0.2489972	0.27166547	2.3610929	21	3 10.9	19.4
234180 2000 QK_{15}	17.1	X	175.65984	148.87447	213.79826	0.68431	0.2213457	0.26206156	2.4184317	21	2 25.7	20.9
234181 2000 QS_{16}	16.8	X	198.47203	348.52389	316.56113	1.90807	0.1926862	0.26005592	2.4308503	21	1 5.9	20.8
234182 2000 QT_{17}	16.9	X	319.47467	263.70277	339.95829	4.65979	0.1968876	0.26962602	2.3729842	21	2 11.1	19.8
234183 2000 QU_{46}	16.9	X	275.13528	333.36013	348.39968	3.53817	0.1612292	0.27142585	2.3624824	21	4 5.3	20.3
234184 2000 QT_{53}	16.7	X	294.74622	178.94451	140.54561	7.14816	0.2548227	0.27400815	2.3476160	21	4 16.4	19.9
234185 2000 QM_{70}	16.9	X	182.64327	230.77103	153.25153	23.89151	0.0996471	0.35831104	1.9631911	21	3 15.5	19.3
234186 2000 QB_{80}	16.7	X	244.78778	136.55792	177.26855	5.94312	0.2218451	0.26580057	2.3956982	21	2 20.9	20.7
234187 2000 QP_{80}	16.9	X	227.53508	152.25762	185.28350	2.35158	0.2058413	0.26539159	2.3981589	21	3 8.8	20.7
234188 2000 QN_{91}	16.1	X	343.05329	78.79844	329.97075	9.03018	0.3187855	0.23831496	2.5765299	21	12 30.7	18.0
234189 2000 QU_{94}	17.2	X	342.85813	278.66857	7.00751	9.59310	0.2400048	0.27757335	2.3274706	21	5 13.6	19.1
234190 2000 QM_{99}	16.5	X	282.33034	256.06572	50.71463	2.90105	0.2057834	0.26969102	2.3726029	21	3 21.7	19.9
234191 2000 QA_{126}	16.1	X	152.81110	359.31949	353.14975	9.87331	0.2735913	0.25662518	2.4524672	21	2 1.9	20.1
234192 2000 QU_{136}	16.5	X	23.02679	101.84840	172.64445	5.23739	0.2113645	0.28176357	2.3043379	21	8 21.1	18.3
234193 2000 QK_{140}	16.1	X	279.62390	232.99675	171.29665	11.81193	0.1946082	0.22989930	2.6390298	21	7 28.7	19.7
234194 2000 QS_{142}	16.3	X	292.37186	317.58520	6.57065	12.08139	0.2373070	0.27234329	2.3571738	21	4 16.4	19.5
234195 2000 QH_{153}	16.4	X	310.38318	32.53086	283.72093	2.44685	0.2405696	0.27635147	2.3343261	21	4 30.7	19.0
234196 2000 QT_{156}	16.3	X	356.47425	159.00188	211.52125	8.53657	0.1720007	0.23918077	2.5703083	21	11 12.4	18.7
234197 2000 QE_{180}	15.9	X	309.97041	79.39597	352.00270	27.92354	0.3710592	0.23481612	2.6020608	21	9 25.7	17.8
234198 2000 QN_{191}	17.1	X	328.11639	205.80410	90.13400	4.91151	0.2577493	0.27630025	2.3346146	21	4 30.4	19.2
234199 2000 QH_{203}	16.9	X	215.36713	206.68323	139.45195	6.15239	0.1458984	0.26502523	2.4003684	21	3 11.6	20.6
234200 2000 QA_{205}	16.8	X	216.01570	45.18072	304.57862	1.06693	0.1691323	0.26503250	2.4003245	21	3 14.5	20.7
234201 2000 QK_{208}	16.6	X	319.90380	145.70585	166.35056	11.73567	0.2206522	0.27490974	2.3424804	21	5 18.6	19.2
234202 2000 QP_{219}	17.0	X	282.02605	207.59009	105.33829	2.57191	0.1933876	0.27224326	2.3577511	21	3 30.7	20.2
234203 2000 QN_{229}	16.2	X	262.45637	227.86178	169.24578	12.64340	0.2834228	0.22637236	2.6663702	21	6 19.1	20.6
234204 2000 RM_{22}	16.8	X	230.53765	89.40235	239.13568	3.89553	0.2438347	0.26485729	2.4013830	21	2 25.9	20.9
234205 2000 RW_{58}	16.5	X	245.45065	117.81403	209.82627	4.80728	0.1735473	0.26543475	2.3978988	21	3 12.6	20.3
234206 2000 RN_{69}	16.6	X	256.67313	258.67091	55.99123	2.91122	0.2466651	0.26708692	2.3879999	21	3 4.6	20.6
234207 2000 RV_{88}	15.7	X	256.56324	118.37844	187.09924	20.12361	0.2568627	0.17308200	3.1888551	21	2 26.5	21.2
234208 2000 SH_{11}	16.8	X	136.31443	58.82792	6.16792	20.76389	0.1016660	0.35535555	1.9740614	21	3 16.9	18.9
234209 2000 SJ_{18}	16.3	X	7.82669	209.21908	218.72912	11.98696	0.2519516	0.24339137	2.5405784	21	—	—
234210 2000 SG_{40}	16.3	X	212.38442	181.47996	159.94715	6.92382	0.1344751	0.26204186	2.4185529	21	3 1.8	20.0
234211 2000 SM_{44}	16.8	X	76.93879	226.95346	232.11082	18.71675	0.1136322	0.35339375	1.9813604	21	1 16.1	18.8
234212 2000 SQ_{54}	17.0	X	201.38623	31.17218	318.70290	0.54263	0.2011365	0.26282160	2.4137670	21	3 2.8	21.0
234213 2000 SH_{63}	16.7	X	358.48852	29.50828	30.80273	5.29824	0.2655038	0.24100948	2.5572899	21	—	—
234214 2000 SC_{70}	17.4	X	332.14053	246.24540	159.43136	1.76567	0.2778819	0.23600533	2.5933124	21	11 15.1	18.8
234215 2000 SB_{77}	17.3	X	147.35595	340.97589	6.62892	1.28284	0.1933929	0.25531515	2.4608492	21	1 10.9	20.8
234216 2000 SX_{104}	15.3	X	327.91417	142.03363	192.01296	22.91058	0.1862970	0.18229098	3.0805335	21	7 8.8	19.4
234217 2000 SC_{113}	16.2	X	329.87230	237.28461	190.75882	10.04957	0.2416717	0.23755094	2.5820514	21	12 14.7	18.3
234218 2000 SD_{114}	16.7	X	275.26256	158.36319	174.10015	4.01855	0.2309610	0.27009706	2.3702244	21	4 13.4	20.2
234219 2000 SX_{114}	16.3	X	153.81333	3.96100	19.91252	7.31490	0.1618179	0.25827163	2.4420333	21	3 2.5	19.9
234220 2000 SK_{118}	16.3	X	237.08539	264.72939	59.15449	3.21558	0.2027089	0.26360489	2.4089830	21	3 2.4	20.2
234221 2000 SZ_{140}	16.4	X	246.36099	318.72957	328.68979	5.33706	0.1856416	0.26092700	2.4254372	21	1 25.3	20.4
234222 2000 SF_{141}	16.7	X	338.59068	47.12885	333.22097	4.04633	0.3137189	0.23476555	2.6024345	21	10 19.9	18.0
234223 2000 SR_{142}	14.6	X	215.46820	181.19340	220.73032	26.49271	0.1499558	0.17269716	3.1935907	21	5 24.3	19.9
234224 2000 SZ_{144}	16.3	X	235.60500	107.88749	209.12669	5.59494	0.1571705	0.26255808	2.4153818	21	2 18.8	20.1
234225 2000 SQ_{168}	16.9	X	322.09446	163.96427	265.72864	6.24087	0.3635701	0.23504777	2.6003509	21	11 17.8	17.7
234226 2000 SW_{173}	14.9	X	216.64188	189.18211	215.59796	27.15592	0.1498128	0.17432822	3.1736394	21	5 28.4	20.2
234227 2000 SR_{215}	17.4	X	358.77861	272.59808	154.54999	2.22526	0.1804533	0.24311698	2.5424896	21	—	—
234228 2000 SZ_{227}	17.0	X	319.06860	285.78749	43.65503	6.48871	0.2678253	0.27700523	2.3306519	21	5 30.9	19.1
234229 2000 SG_{233}	16.5	X	334.91418	61.37816	345.84829	14.60286	0.2863083	0.23645936	2.5899917	21	11 19.9	18.6
234230 2000 ST_{233}	16.3	X	352.53491	15.55089	62.65921	7.27506	0.3388699	0.24192061	2.5508650	21	—	—
234231 2000 SX_{235}	16.9	X	332.08098	122.53770	174.69041	4.77915	0.2331588	0.27488126	2.3426422	21	5 14.9	19.0
234232 2000 SZ_{245}	14.9	X	212.84256	261.63476	72.49440	6.12517	0.1024703	0.16804299	3.2522889	21	3 7.9	20.0
234233 2000 SH_{257}	16.5	X	267.43417	247.45712	172.07904	5.42331	0.1812239	0.22920964	2.6443208	21	8 5.1	20.0
234234 2000 SV_{258}	16.0	X	163.62998	287.90529	49.34342	7.12823	0.1091042	0.25407163	2.4688721	21	1 6.5	19.5
234235 2000 SR_{268}	15.7	X	140.42855	297.43862	51.97429	5.05842	0.1285553	0.25217803	2.4812159	21	—	—
234236 2000 SG_{272}	16.8	X	329.79855	130.24140	296.66977	3.41464	0.2449019	0.23797177	2.5790064	21	12 12.5	18.4
234237 2000 SE_{275}	15.9	X	189.58650	157.53984	197.14172	7.23599	0.1462102	0.25885025	2.4383927	21	2 23.2	19.8
234238 2000 SL_{285}	16.1	X	336.54499	100.55918	230.03581	10.67095	0.2174902	0.23040241	2.6351866	21	7 19.6	18.7
234239 2000 SL_{305}	16.5	X	96.64349	67.39370	324.24213	4.45280	0.1317285	0.25146260	2.4859198	21	—	—
234240 2000 SH_{316}	16.0	X	132.42670	47.48624	300.56429	13.89303	0.1544105	0.25373880	2.4710307	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234241 2000 SJ_{327}	15.7	X	136.27536	316.28101	58.69095	9.67735	0.1983092	0.25595383	2.4567538	21	2 6.0	19.3
234242 2000 SC_{340}	16.3	X	7.41806	262.00089	33.05089	5.62473	0.3283176	0.28273215	2.2990721	21	9 12.6	17.2
234243 2000 ST_{352}	16.1	X	241.03986	215.02087	85.08785	12.75313	0.1616025	0.26137926	2.4226386	21	2 8.3	20.1
234244 2000 SS_{361}	17.1	X	186.37533	291.44543	51.35371	5.53536	0.1837068	0.25995276	2.4314934	21	2 11.6	21.0
234245 2000 TK_{3}	17.2	X	295.52046	265.22917	37.76304	1.71535	0.1910638	0.27106558	2.3645752	21	4 1.7	20.3
234246 2000 TJ_{12}	16.6	X	343.88909	275.33302	21.35351	5.43786	0.2439221	0.27584092	2.3372056	21	6 8.4	18.0
234247 2000 TF_{29}	15.7	X	3.42331	139.25871	248.14385	12.51715	0.1885283	0.23755114	2.5820499	21	12 19.9	18.5
234248 2000 TR_{40}	17.1	X	314.11120	270.96971	10.71388	5.39374	0.0934207	0.27010224	2.3701942	21	4 12.3	19.9
234249 2000 TZ_{44}	16.4	X	355.19758	324.78557	75.35406	6.77553	0.2452546	0.23939207	2.5687955	21	—	—
234250 2000 TU_{46}	15.8	X	22.37524	209.08112	14.07181	25.15558	0.1574511	0.27024654	2.3693504	21	5 4.1	18.3
234251 2000 TV_{59}	15.9	X	15.45617	302.00922	95.19394	14.60216	0.1439109	0.24078828	2.5588558	21	—	—
234252 2000 UU_{3}	16.3	X	328.52311	183.24485	233.47146	4.57373	0.2459935	0.23560246	2.5962679	21	11 21.6	18.2
234253 2000 UY_{5}	15.2	X	285.93684	59.49145	50.45420	30.27689	0.3572457	0.23255267	2.6189176	21	10 24.3	18.3
234254 2000 UE_{11}	16.7	X	271.63658	102.26437	218.79747	2.45420	0.2149160	0.26744827	2.3858484	21	3 26.4	20.4
234255 2000 UF_{27}	16.1	X	18.20743	206.47598	191.97133	8.51035	0.1595154	0.23951213	2.5679370	21	—	—
234256 2000 UX_{40}	16.6	X	335.05157	1.77857	36.90598	6.04071	0.2215107	0.23443345	2.6048916	21	11 8.3	18.6
234257 2000 UE_{62}	16.1	X	32.54366	111.98969	314.43504	2.80098	0.1498060	0.24560424	2.5252951	21	—	—
234258 2000 UU_{62}	16.0	X	358.32486	196.26503	256.75236	7.13231	0.1744856	0.24350612	2.5397802	21	—	—
234259 2000 UM_{75}	16.1	X	130.95125	249.87094	118.41901	6.75240	0.1275236	0.25158179	2.4851346	21	1 9.7	19.2
234260 2000 VV_{3}	16.6	X	36.13505	142.10144	274.25570	1.13215	0.1537971	0.24501958	2.5293107	21	—	—
234261 2000 VF_{11}	14.9	X	299.88850	92.01510	224.24553	24.24287	0.2611528	0.17548909	3.1596281	21	4 22.6	19.4
234262 2000 VR_{11}	16.7	X	25.88024	345.18776	49.91622	4.31895	0.2309830	0.24097623	2.5575252	21	—	—
234263 2000 VW_{12}	16.4	X	197.62712	140.56272	216.27366	6.13661	0.1428399	0.25955401	2.4339830	21	3 5.0	20.3
234264 2000 VH_{40}	17.0	X	348.66758	183.67704	237.24663	3.69800	0.2567365	0.23895817	2.5719042	21	—	—
234265 2000 VU_{46}	14.6	X	284.59336	90.10208	254.92533	23.69930	0.3039950	0.17550678	3.1594158	21	5 4.2	19.7
234266 2000 VG_{54}	16.3	X	312.98075	151.84988	276.33642	5.57409	0.2618264	0.23341792	2.6124416	21	10 23.2	18.3
234267 2000 VC_{55}	16.2	X	356.05727	164.04444	261.29274	4.02054	0.2109802	0.23926074	2.5697355	21	—	—
234268 2000 WJ_{2}	16.0	X	305.77927	73.45943	357.57482	28.89935	0.3117576	0.23184911	2.6242131	21	9 27.9	18.3
234269 2000 WW_{4}	16.1	X	285.47235	143.31141	294.24370	12.64706	0.2772656	0.22956825	2.6415662	21	9 3.1	19.4
234270 2000 WV_{7}	16.5	X	3.58893	226.01822	193.38430	8.37097	0.1501441	0.23970852	2.5665343	21	—	—
234271 2000 WP_{16}	15.9	X	340.52736	169.37409	244.57545	11.97689	0.1593811	0.23541821	2.5976224	21	12 10.9	18.5
234272 2000 WT_{23}	17.0	X	355.93297	235.19032	175.83279	5.60084	0.2719542	0.23743403	2.5828989	21	—	—
234273 2000 WZ_{37}	16.5	X	273.26385	358.68915	98.27762	7.42049	0.2034244	0.23042373	2.6350240	21	10 4.8	19.9
234274 2000 WT_{68}	16.2	X	273.60022	46.79044	273.12282	10.78460	0.2873736	0.26871328	2.3783547	21	3 14.6	20.4
234275 2000 WK_{97}	15.1	X	63.07662	103.17576	266.22496	11.94899	0.1732385	0.24047980	2.5610436	21	—	—
234276 2000 WL_{102}	16.2	X	274.54788	290.70123	78.13500	12.61007	0.2161455	0.22472862	2.6793563	21	6 3.5	20.1
234277 2000 WC_{109}	16.3	X	271.49759	56.31065	46.16829	13.53103	0.2139695	0.23056059	2.6339811	21	10 9.1	19.7
234278 2000 WO_{114}	15.9	X	322.46838	167.37246	266.15108	10.28432	0.1595458	0.23441244	2.6050473	21	12 2.5	18.3
234279 2000 WD_{122}	15.8	X	148.51398	297.42448	58.91496	5.13288	0.2240231	0.25187404	2.4832119	21	1 28.0	19.5
234280 2000 WM_{154}	15.8	X	263.05192	200.92754	257.01978	16.55904	0.1724142	0.23026951	2.6362004	21	9 13.6	19.7
234281 2000 WC_{160}	16.8	X	359.52594	245.60390	168.24777	3.43840	0.1511847	0.23831625	2.5765205	21	—	—
234282 2000 WY_{162}	17.1	X	344.45005	254.16057	145.53253	5.18514	0.2297317	0.23491562	2.6013260	21	12 5.6	19.3
234283 2000 WM_{173}	15.7	X	301.39249	274.25529	180.49129	13.01252	0.2732960	0.23045923	2.6347534	21	11 8.5	18.1
234284 2000 WR_{177}	16.6	X	52.15899	284.70740	111.15320	8.01577	0.2344242	0.24541595	2.5265867	21	—	—
234285 2000 XU_{6}	15.3	X	333.34709	175.96940	279.29799	14.48713	0.0478150	0.23843840	2.5756405	21	—	—
234286 2000 XE_{8}	15.4	X	17.71020	111.17012	304.73625	11.41578	0.1605644	0.23901743	2.5714791	21	—	—
234287 2000 XM_{11}	16.0	X	278.33736	26.10690	48.36529	16.70176	0.2391147	0.22538697	2.6741362	21	9 11.2	19.8
234288 2000 XY_{12}	16.0	X	317.34432	146.80612	289.92338	11.13073	0.1536075	0.23364048	2.6107823	21	11 25.5	18.7
234289 2000 XT_{41}	15.4	X	350.37345	19.93354	14.86004	14.24511	0.3003619	0.23476637	2.6024284	21	12 20.5	17.8
234290 2000 XS_{50}	15.5	X	245.33161	73.86707	325.21878	10.15154	0.1553476	0.22157388	2.7047285	21	6 17.9	19.7
234291 2000 YA_{7}	15.4	X	86.88066	31.03636	327.31991	4.91336	0.2516840	0.24204479	2.5499924	21	—	—
234292 2000 YL_{8}	16.3	X	355.37340	320.52269	83.69502	4.32809	0.1524646	0.23613625	2.5923538	21	12 24.2	18.9
234293 2000 YA_{19}	15.8	X	243.23105	259.94373	273.81938	10.91112	0.1390559	0.23464253	2.6033440	21	12 10.3	19.3
234294 Pappsándor	16.3	X	132.12717	172.64215	294.17472	3.93907	0.1223861	0.21081028	2.7960280	21	5 20.7	20.5
234295 2000 YK_{45}	15.1	X	200.23656	279.86032	282.11395	26.09136	0.0216484	0.23123363	2.6288676	21	12 10.2	19.0
234296 2000 YR_{60}	16.4	X	253.29367	164.80345	289.36895	4.84450	0.2560053	0.22423847	2.6832593	21	8 23.1	20.6
234297 2000 YX_{64}	17.0	X	350.82247	173.93546	240.94946	2.28214	0.2021843	0.23460389	2.6036299	21	—	—
234298 2000 YZ_{73}	15.9	X	312.34015	28.97476	111.04504	6.33758	0.2571247	0.23803069	2.5785808	21	—	—
234299 2000 YL_{95}	16.0	X	94.28306	23.94041	358.47029	2.54294	0.1650871	0.24392773	2.5368528	21	—	—
234300 2000 YO_{125}	15.8	X	349.37967	72.35277	19.76280	10.08174	0.1643567	0.23688745	2.5868705	21	—	—
234301 2000 YJ_{130}	16.5	X	317.64971	345.25836	99.01649	4.67700	0.1650808	0.23402753	2.6079029	21	12 8.7	19.0
234302 2001 AA	16.5	X	269.20804	287.95985	154.69131	15.05818	0.3900907	0.22743841	2.6580318	21	8 8.7	20.6
234303 2001 AA_{1}	16.6	X	304.01150	82.37165	15.05862	2.32310	0.0364228	0.22987578	2.6392097	21	12 7.7	19.9
234304 2001 AO_{10}	15.6	X	87.41951	183.44131	200.72293	4.44924	0.2516707	0.24368725	2.5385215	21	—	—
234305 2001 AF_{22}	16.8	X	237.04358	75.56052	65.12968	5.63618	0.2682450	0.22728199	2.6592513	21	10 7.4	20.9
234306 2001 AZ_{27}	17.0	X	237.08196	74.49384	62.89936	11.86840	0.2639943	0.22638703	2.6662550	21	10 6.9	21.3
234307 2001 AO_{37}	16.6	X	307.04611	23.30502	67.77715	8.79056	0.3458818	0.23174330	2.6250118	21	11 4.9	18.2
234308 2001 AD_{39}	16.1	X	8.58394	75.39141	315.46553	7.14665	0.0469625	0.23021630	2.6366066	21	12 12.2	19.5
234309 2001 AZ_{40}	15.7	X	306.38593	250.34259	264.95948	10.22241	0.2205614	0.23688030	2.5869225	21	—	—
234310 2001 AG_{46}	15.7	X	204.32430	43.15963	53.59408	26.96938	0.2065501	0.21860777	2.7291390	21	7 20.6	20.8
234311 2001 AL_{53}	15.5	X	245.45109	188.77597	303.10366	11.12132	0.1411585	0.22521603	2.6754891	21	10 12.6	19.6
234312 2001 BV_{1}	17.5	X	148.92009	247.07890	144.13093	33.14783	0.0543372	0.44085278	1.7097804	21	1 11.1	19.4
234313 2001 BF_{6}	16.1	X	65.96841	220.70462	195.55227	6.02707	0.1448746	0.24393126	2.5368283	21	—	—
234314 2001 BY_{30}	16.1	X	255.87149	170.59630	317.30610	6.19540	0.1992552	0.22706977	2.6609079	21	10 15.1	19.8
234315 2001 BA_{46}	16.1	X	225.88151	341.37703	211.56755	8.32830	0.1817012	0.22995153	2.6386301	21	12 7.6	20.0
234316 2001 BX_{51}	15.5	X	300.11241	287.52405	173.71707	14.33018	0.1717327	0.22959512	2.6413601	21	11 28.5	18.5
234317 2001 BE_{76}	15.7	X	187.69100	308.19676	269.34635	11.32050	0.1432469	0.22766054	2.6563026	21	12 1.8	20.0
234318 2001 CL_{8}	16.6	X	208.67003	73.35482	106.15554	5.31861	0.2598498	0.22383041	2.6865195	21	10 29.6	21.1
234319 2001 CR_{11}	15.7	X	350.67941	84.61461	336.23393	9.82272	0.1714228	0.23277054	2.6172831	21	—	—
234320 2001 CY_{18}	15.6	X	212.48393	272.70421	314.87634	11.94018	0.1462202	0.23166239	2.6256230	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234321 2001 CA_{23}	16.0	X	306.09451	130.72179	309.47536	4.69476	0.1312458	0.22902184	2.6457661	21	11 9.2	19.0
234322 2001 CX_{31}	14.9	X	294.64790	79.26556	28.79551	25.94219	0.3314767	0.23101651	2.6305145	21	10 27.9	17.3
234323 2001 DR_{20}	15.7	X	128.52263	220.64444	7.59383	13.59095	0.1478101	0.21817779	2.7327235	21	10 17.8	20.1
234324 2001 DR_{36}	16.1	X	358.69804	348.16375	141.07338	9.28009	0.1031274	0.24004091	2.5641645	21	—	—
234325 2001 DR_{55}	16.3	X	179.96720	254.69004	340.34664	4.55007	0.2164754	0.22601847	2.6691528	21	12 10.9	20.9
234326 2001 DP_{64}	15.7	X	236.46314	339.61651	158.00295	13.88721	0.1208979	0.22414693	2.6839897	21	10 21.8	19.7
234327 2001 DG_{77}	16.0	X	82.93864	140.51232	149.91236	7.56603	0.0768869	0.22271093	2.6955147	21	11 15.2	19.9
234328 2001 DP_{93}	16.5	X	313.18288	264.73484	192.04211	4.97602	0.1674787	0.23117986	2.6292752	21	12 16.5	19.0
234329 2001 DO_{98}	15.8	X	213.93494	220.77944	318.23429	23.93032	0.1679034	0.22508062	2.6765621	21	10 27.9	20.5
234330 2001 EF	15.5	X	167.80176	181.31941	89.85210	29.06819	0.3911392	0.22193065	2.7018290	21	—	—
234331 2001 EN_{10}	16.6	X	274.78029	52.80722	120.80871	2.64834	0.1890633	0.23067695	2.6330953	21	—	—
234332 2001 EC_{15}	15.8	X	160.39510	169.85105	28.53580	17.66575	0.1536916	0.21819911	2.7325455	21	10 15.2	20.1
234333 2001 EZ_{17}	15.6	X	139.35276	144.34519	99.85881	8.70220	0.1814443	0.21812124	2.7331958	21	11 21.0	20.3
234334 2001 EJ_{25}	16.5	X	221.54877	251.23852	248.05410	10.60646	0.2708637	0.22295608	2.6935383	21	9 13.8	21.2
234335 2001 FU	15.8	X	112.58042	116.00088	139.16153	16.24361	0.2822526	0.21542922	2.7559181	21	11 19.2	20.9
234336 2001 FH_{1}	16.0	X	139.54597	56.81175	180.91938	12.50544	0.1396881	0.21844501	2.7304945	21	11 13.1	20.5
234337 2001 FX_{3}	15.9	X	184.53563	81.45713	81.02290	13.51660	0.1585603	0.21718038	2.7410839	21	9 28.9	20.6
234338 2001 FW_{25}	15.3	X	232.33690	0.56900	193.72749	12.68882	0.1955672	0.22564944	2.6720621	21	12 13.7	19.3
234339 2001 FE_{36}	15.7	X	179.12541	175.74543	350.70354	8.53413	0.1250851	0.21735498	2.7396157	21	9 21.6	20.1
234340 2001 FS_{44}	16.1	X	231.52955	107.94342	12.94490	8.96277	0.2637234	0.21958367	2.7210469	21	9 7.9	20.5
234341 2001 FZ_{57}	18.9	X	247.01510	339.97695	22.09383	20.66924	0.6042583	1.07436021	0.9441394	21	3 11.5	19.3
234342 2001 FF_{68}	15.1	X	62.21382	263.48050	14.27220	28.80001	0.3427692	0.21036492	2.7999729	21	10 27.4	19.6
234343 2001 FM_{84}	16.5	X	245.27445	256.18845	160.44398	4.73436	0.0604165	0.21176934	2.7875799	21	7 21.4	20.5
234344 2001 FM_{85}	16.0	X	11.76007	334.86231	24.42455	5.87655	0.0850658	0.21842702	2.7306443	21	11 6.7	19.3
234345 2001 FW_{89}	16.5	X	130.81949	39.62781	186.28810	12.65707	0.1073641	0.21594876	2.7514961	21	10 19.1	20.7
234346 2001 FK_{120}	16.2	X	164.20929	209.99225	4.89898	13.28610	0.1464191	0.21973532	2.7197948	21	11 1.9	20.8
234347 2001 FQ_{126}	16.2	X	168.43334	34.29296	151.74184	9.14766	0.1614942	0.21701509	2.7424755	21	10 8.2	20.7
234348 2001 FV_{158}	15.1	X	181.09161	247.90074	21.03756	10.97958	0.1537395	0.17809092	3.1287788	21	—	—
234349 2001 FT_{167}	15.6	X	217.70230	101.81762	24.53537	13.94649	0.1584218	0.21708657	2.7418735	21	9 13.9	20.0
234350 2001 GV_{4}	15.9	X	193.77151	91.08662	84.88127	10.14867	0.1576662	0.21980558	2.7192152	21	10 21.4	20.4
234351 2001 HX_{28}	16.1	X	85.63781	178.79328	52.80094	25.48802	0.1616601	0.30455867	2.1878728	21	10 5.9	19.6
234352 2001 HZ_{41}	15.8	X	113.29980	97.74095	176.98453	9.17709	0.2997866	0.21678968	2.7443762	21	12 8.9	20.9
234353 2001 HR_{43}	16.5	X	99.77633	211.00729	32.01168	2.08862	0.2028930	0.21155498	2.7894626	21	10 15.3	20.8
234354 2001 HG_{47}	16.2	X	155.62358	338.92033	218.11973	7.84503	0.2302224	0.21433966	2.7652497	21	10 6.4	21.0
234355 2001 HX_{57}	15.5	X	166.71229	98.05571	80.99133	13.18388	0.1597221	0.21497974	2.7597582	21	10 2.7	20.2
234356 2001 HD_{65}	16.5	X	56.09057	61.41474	189.15631	1.52565	0.1649461	0.20539432	2.8449661	21	8 29.9	20.2
234357 2001 JA_{5}	15.0	X	100.87687	254.23798	82.27768	17.96607	0.1534264	0.17169321	3.2060279	21	—	—
234358 2001 JC_{6}	15.8	X	142.09619	40.19099	181.55226	7.21412	0.2131829	0.21539029	2.7562501	21	10 27.6	20.5
234359 2001 KS_{64}	15.3	X	190.37899	34.01106	136.85473	17.12842	0.1220314	0.21542562	2.7559488	21	10 14.9	19.9
234360 2001 MV_{25}	16.9	X	53.03494	209.51205	116.38479	8.19533	0.2708091	0.30595756	2.1811988	21	12 31.4	20.2
234361 2001 NX_{2}	15.1	X	147.67356	318.64240	97.77742	17.38085	0.0670244	0.18366096	3.0651952	21	4 11.4	20.0
234362 2001 NK_{13}	16.7	X	166.83362	326.98814	58.71351	2.99893	0.2140855	0.27838894	2.3229225	21	3 18.1	20.3
234363 2001 NB_{14}	15.6	X	17.15312	286.41319	336.34002	7.69738	0.1953489	0.19584084	2.9367516	21	7 15.0	18.6
234364 2001 OU_{28}	15.6	X	283.13657	298.37351	24.05273	11.30378	0.1169749	0.18913979	3.0057126	21	4 28.6	19.8
234365 2001 OL_{29}	15.6	X	281.22881	299.83166	352.34117	10.55511	0.1896661	0.18526788	3.0474456	21	3 12.8	20.2
234366 2001 OR_{61}	15.0	X	252.27282	173.09769	118.16187	12.28501	0.2394132	0.18044251	3.1015359	21	2 11.4	20.3
234367 2001 OP_{68}	15.7	X	59.56515	321.19094	322.77414	14.40336	0.3411994	0.20481522	2.8503262	21	11 3.6	20.3
234368 2001 OL_{77}	16.1	X	2.35676	67.22997	123.72665	22.38038	0.1298489	0.28032939	2.3121906	21	2 13.3	18.5
234369 2001 OX_{85}	17.1	X	88.64682	105.97235	153.66212	7.11489	0.1180002	0.30225494	2.1989758	21	10 29.2	20.1
234370 2001 OF_{87}	14.9	X	173.50990	359.63649	336.17809	11.10127	0.1427464	0.17161377	3.2070172	21	2 1.4	20.1
234371 2001 OM_{89}	16.7	X	193.52144	104.63315	135.87126	4.99231	0.1376024	0.31685060	2.1309162	21	—	—
234372 2001 OA_{113}	15.4	X	254.22533	107.09056	222.71219	4.12803	0.2051938	0.18498948	3.0505023	21	3 28.9	20.3
234373 2001 PP_{26}	17.0	X	74.13887	303.14264	352.37896	4.90724	0.1965156	0.30421519	2.1895193	21	12 4.7	20.2
234374 2001 PW_{39}	16.1	X	151.04921	142.08125	262.62845	6.52807	0.1988794	0.27489060	2.3425891	21	3 21.6	19.8
234375 2001 PQ_{58}	16.6	X	77.34270	0.32597	7.40307	4.56996	0.2437401	0.26116648	2.4239543	21	—	—
234376 2001 QV_{8}	15.7	X	194.67796	183.70200	141.43014	11.49332	0.1966886	0.17503380	3.1651048	21	2 6.0	20.9
234377 2001 QL_{34}	16.8	X	295.33819	13.82341	316.75108	6.94470	0.2252319	0.29039932	2.2584249	21	4 28.8	19.7
234378 2001 QA_{48}	15.1	X	193.23368	236.92098	146.10948	16.53506	0.0692952	0.18265648	3.0764226	21	4 16.2	20.0
234379 2001 QD_{53}	15.8	X	222.76676	202.83312	128.00531	1.95397	0.1663028	0.18046607	3.1012660	21	3 7.4	20.7
234380 2001 QG_{58}	17.1	X	216.67927	301.44628	79.36119	2.71803	0.2469467	0.28171641	2.3045950	21	4 21.6	21.0
234381 2001 QB_{60}	17.0	X	159.34528	254.59475	123.33070	5.48911	0.2405489	0.27445107	2.3450896	21	3 4.3	20.7
234382 2001 QC_{67}	16.9	X	72.19905	315.82355	2.54382	4.99124	0.2555632	0.30579486	2.1819724	21	—	—
234383 2001 QB_{68}	16.0	X	42.20158	23.65363	88.13470	7.15692	0.2593494	0.26095559	2.4252600	21	1 2.2	17.3
234384 2001 QN_{97}	14.7	X	157.65923	183.99333	193.50745	27.89954	0.1667678	0.17253584	3.1955811	21	3 3.3	20.1
234385 2001 QX_{107}	17.0	X	251.54672	220.06796	137.13000	5.52128	0.1574331	0.28447322	2.2896817	21	4 29.3	20.3
234386 2001 QR_{113}	15.1	X	183.47290	179.50912	163.91321	15.81776	0.0193101	0.17382551	3.1797553	21	2 10.1	19.8
234387 2001 QP_{135}	14.9	X	299.95496	277.42623	353.31478	21.24766	0.3354418	0.18100180	3.0951435	21	2 23.1	19.8
234388 2001 QV_{161}	17.2	X	58.88384	276.10172	55.32227	2.61130	0.1400680	0.30571333	2.1823603	21	12 30.4	20.1
234389 2001 QP_{163}	16.5	X	194.51061	88.00371	290.93752	4.04744	0.2021271	0.27610377	2.3357221	21	3 29.6	20.3
234390 2001 QJ_{203}	15.4	X	219.45029	13.49334	329.95218	7.14912	0.0621466	0.18106243	3.0944525	21	3 20.1	20.0
234391 2001 QH_{204}	16.6	X	68.14903	298.33232	286.95736	7.68551	0.0820416	0.29326788	2.2436738	21	8 2.4	19.2
234392 2001 QH_{240}	15.2	X	56.46417	182.88023	348.86436	6.95159	0.0569951	0.18241271	3.0791628	21	4 29.1	19.4
234393 2001 QA_{246}	16.8	X	271.09187	16.64868	345.81133	5.50122	0.1683782	0.28603993	2.2813133	21	5 23.6	20.0
234394 2001 QU_{252}	15.5	X	272.37267	185.50307	141.03225	13.06658	0.1333200	0.18605000	3.0388990	21	4 25.6	20.2
234395 2001 QM_{253}	17.0	X	101.01158	271.89937	133.47864	9.39502	0.2672225	0.26842484	2.3800582	21	2 5.7	19.3
234396 2001 QC_{260}	16.7	X	150.83188	135.42810	293.57178	5.08027	0.2231749	0.27648585	2.3335697	21	4 24.7	20.5
234397 2001 QN_{265}	14.6	X	145.10584	210.27931	178.18648	28.33064	0.1987649	0.17293733	3.1906332	21	3 9.3	19.7
234398 2001 QG_{283}	16.6	X	123.73542	82.73546	233.60839	13.68450	0.2842481	0.26354622	2.4093406	21	—	—
234399 2001 QY_{286}	17.0	X	62.17793	321.92686	303.70401	5.01370	0.1916945	0.29894989	2.2151533	21	10 9.3	19.9
234400 2001 QR_{292}	14.7	X	153.66185	128.97279	210.06840	19.96428	0.1373037	0.16956074	3.2328522	21	1 11.6	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234401 2001 QB_{330}	16.5	X	141.45656	254.76107	98.50123	6.08097	0.1310995	0.26885625	2.3775115	21	—	—
234402 2001 QR_{334}	15.8	X	94.93437	275.27251	192.74264	9.31350	0.0570476	0.17715496	3.1397893	21	4 2.7	20.2
234403 2001 RF_{12}	17.0	X	69.32772	277.95349	18.68743	7.23741	0.2002904	0.30341374	2.1933733	21	11 30.9	20.2
234404 2001 RF_{14}	16.1	X	229.93383	191.47025	140.70053	1.86291	0.2091963	0.18095277	3.0957026	21	3 13.0	21.3
234405 2001 RX_{16}	15.9	X	87.24977	57.28181	0.78674	22.91896	0.3084063	0.26524707	2.3990299	21	2 19.7	18.6
234406 2001 RO_{17}	16.7	X	141.30322	55.70561	6.66806	6.64888	0.2036478	0.27445819	2.3450490	21	4 6.9	20.0
234407 2001 RK_{19}	16.9	X	155.18176	58.96886	338.79705	11.80430	0.1755032	0.27597669	2.3364390	21	3 15.5	20.5
234408 2001 RY_{22}	15.4	X	328.55017	110.68259	169.19303	16.26305	0.1111430	0.18748686	3.0233528	21	5 12.7	19.5
234409 2001 RO_{23}	17.2	X	87.51360	251.50966	22.41891	1.22042	0.1609876	0.30328505	2.1939937	21	11 17.5	20.3
234410 2001 RJ_{25}	15.2	X	172.13228	219.13613	170.79723	16.28460	0.0225277	0.17926339	3.1151215	21	3 27.2	19.6
234411 2001 RO_{28}	17.1	X	179.28445	49.07013	338.35230	6.98759	0.1324217	0.27817451	2.3241161	21	3 23.7	20.6
234412 2001 RY_{48}	16.1	X	253.93301	230.00474	113.79482	22.84860	0.1793776	0.28036490	2.3119954	21	4 21.6	20.1
234413 2001 RM_{58}	17.0	X	185.61955	278.27592	133.27203	4.35207	0.1291826	0.28086321	2.3092599	21	5 4.3	20.5
234414 2001 RY_{58}	17.4	X	210.54166	268.92079	129.02806	5.17330	0.1538091	0.28256413	2.2999834	21	5 11.4	20.9
234415 2001 RK_{59}	15.1	X	219.81599	320.12864	9.82932	17.65186	0.1124231	0.17723909	3.1387956	21	3 10.1	20.1
234416 2001 RP_{62}	15.5	X	146.84152	308.52796	56.00783	5.99626	0.1931618	0.17086811	3.2163406	21	2 14.5	20.7
234417 2001 RJ_{70}	16.4	X	274.55086	35.41295	330.91235	6.73527	0.1544041	0.28669208	2.2778525	21	6 5.3	19.3
234418 2001 RQ_{83}	17.1	X	59.60786	107.48183	181.13537	6.12600	0.1964222	0.30039798	2.2080287	21	11 11.8	20.0
234419 2001 RQ_{85}	17.6	X	22.85190	325.31886	351.63774	3.16433	0.1867618	0.29798216	2.2199467	21	10 26.3	19.6
234420 2001 RE_{93}	17.0	X	339.95344	28.58537	4.53714	23.71926	0.1004956	0.39896571	1.8274507	21	12 21.2	19.1
234421 2001 RV_{94}	17.0	X	238.22368	44.47281	329.15021	5.09111	0.1854367	0.28286193	2.2983688	21	4 30.7	20.6
234422 2001 RT_{101}	17.2	X	261.36178	33.58905	17.88152	3.85669	0.1641130	0.29154979	2.2524798	21	7 23.9	20.1
234423 2001 RV_{103}	15.9	X	282.46799	141.04539	170.33497	4.84348	0.1653099	0.18561623	3.0436316	21	4 10.4	20.3
234424 2001 RT_{105}	15.6	X	200.30870	302.94732	17.66200	5.05424	0.1880694	0.17458090	3.1705765	21	2 7.2	20.9
234425 2001 RO_{111}	15.1	X	217.56374	146.41383	165.68387	10.47622	0.0560518	0.17495098	3.1661037	21	2 10.9	19.9
234426 2001 RN_{117}	15.7	X	130.34670	194.29987	171.99244	4.86650	0.1250781	0.16932816	3.2358118	21	1 21.6	20.5
234427 2001 RV_{132}	16.5	X	338.96032	345.24325	16.50862	8.72118	0.1763748	0.29645902	2.2275439	21	10 4.2	17.6
234428 2001 RN_{146}	15.0	X	108.79867	236.63803	205.09379	15.71009	0.1127397	0.17548674	3.1596563	21	3 24.4	19.7
234429 2001 RD_{147}	15.0	X	255.26528	359.71888	294.90047	16.71551	0.1542416	0.17873993	3.1212004	21	2 16.9	20.1
234430 2001 SM_{6}	17.2	X	100.47455	239.66470	349.47955	8.34495	0.1591693	0.29788089	2.2204498	21	9 30.6	20.4
234431 2001 SO_{9}	15.0	X	260.71158	303.60556	32.14757	12.74764	0.1570725	0.17949159	3.1124806	21	4 17.9	19.6
234432 2001 SP_{25}	15.5	X	125.94841	38.86782	7.67708	15.87891	0.0723002	0.17215511	3.2002908	21	3 3.8	20.2
234433 2001 SA_{26}	17.2	X	244.20416	219.30444	177.13448	3.15133	0.1008164	0.28653868	2.2786653	21	6 17.8	20.1
234434 2001 SQ_{35}	15.0	X	241.93799	277.79891	29.84089	10.46856	0.0400937	0.17459349	3.1704240	21	3 10.5	19.7
234435 2001 SS_{41}	17.4	X	150.65231	23.31934	27.82875	5.75365	0.2148308	0.27458667	2.3443174	21	4 4.2	21.0
234436 2001 SV_{47}	17.0	X	237.70647	205.36402	145.61923	6.55003	0.1491803	0.28040461	2.3117770	21	4 7.7	20.4
234437 2001 SG_{48}	15.0	X	332.24224	280.75458	22.35734	10.50055	0.1412069	0.18790797	3.0188341	21	6 10.4	18.8
234438 2001 SR_{65}	16.5	X	168.57609	198.58741	177.53697	7.42565	0.1635179	0.27188266	2.3598354	21	3 2.4	20.1
234439 2001 ST_{71}	15.5	X	256.21700	153.25361	194.70637	10.07888	0.1757573	0.18167339	3.0875109	21	4 26.6	20.3
234440 2001 SE_{85}	15.5	X	214.91993	338.18470	334.67203	8.54270	0.0570414	0.17472829	3.1687932	21	2 11.2	20.2
234441 2001 SG_{85}	15.7	X	81.58706	37.93397	335.56261	9.00205	0.1690834	0.16350418	3.3122019	21	—	—
234442 2001 SN_{87}	17.6	X	84.86377	114.58779	313.21094	3.48036	0.2412361	0.26813380	2.3817802	21	2 5.3	19.4
234443 2001 SK_{94}	17.0	X	277.22126	78.37900	287.99871	3.64360	0.1486641	0.28819990	2.2699006	21	6 10.7	19.8
234444 2001 SA_{99}	16.4	X	46.71715	90.21302	195.95487	2.75907	0.2672428	0.20015442	2.8944047	21	10 18.5	20.1
234445 2001 SS_{133}	15.4	X	308.76670	98.04368	192.80817	16.01179	0.1356529	0.18428997	3.0582167	21	4 22.5	19.5
234446 2001 SF_{137}	17.2	X	164.54556	159.22693	217.45522	1.77286	0.1371190	0.27308935	2.3528787	21	2 24.7	20.7
234447 2001 SA_{144}	17.2	X	148.79823	136.15045	312.78353	2.52898	0.1271167	0.28022795	2.3127486	21	5 12.2	20.5
234448 2001 SR_{146}	17.0	X	202.30828	258.30272	111.94725	3.27990	0.1458422	0.27793063	2.3254755	21	3 28.5	20.5
234449 2001 SV_{147}	16.4	X	306.17403	33.49334	311.58003	5.01003	0.1668606	0.28973058	2.2618987	21	6 20.7	18.7
234450 2001 SL_{148}	17.5	X	254.32208	55.49509	334.38583	6.79884	0.0967904	0.28727520	2.2747690	21	6 22.2	20.5
234451 2001 SN_{150}	15.0	X	340.76227	240.03353	7.71663	26.98710	0.2144470	0.18224386	3.0810644	21	4 1.2	18.5
234452 2001 SJ_{152}	16.8	X	230.72026	60.88714	354.79742	6.32115	0.1055478	0.28606516	2.2811792	21	6 28.3	20.0
234453 2001 SS_{156}	15.1	X	145.16054	1.85876	344.81171	18.26239	0.0925490	0.16771332	3.2565495	21	1 16.9	20.2
234454 2001 SE_{160}	17.0	X	143.54608	41.22613	350.49725	2.68214	0.2110222	0.27103592	2.3647477	21	3 2.9	20.4
234455 2001 SL_{164}	14.8	X	259.16105	138.29997	209.17771	17.48419	0.1581374	0.18158420	3.0885218	21	4 30.4	19.5
234456 2001 SR_{180}	17.2	X	31.14331	165.55654	154.48142	9.29027	0.1662513	0.30109969	2.2045968	21	11 14.8	19.7
234457 2001 SG_{181}	15.5	X	170.79550	35.39898	338.89631	9.45869	0.1389248	0.17742591	3.1365919	21	3 10.9	20.5
234458 2001 SJ_{181}	17.5	X	145.85787	42.98267	355.19423	1.36591	0.2940948	0.27345789	2.3507642	21	3 20.6	21.2
234459 2001 SN_{181}	15.1	X	307.43450	266.57976	342.06228	11.79583	0.1009926	0.18125259	3.0922878	21	3 2.7	19.3
234460 2001 ST_{191}	17.2	X	127.00621	73.17447	167.12824	3.07216	0.1254126	0.30273132	2.1966683	21	11 13.0	20.2
234461 2001 SR_{192}	17.2	X	221.70833	264.20156	174.29016	6.63832	0.0563419	0.29032138	2.2588291	21	7 22.8	20.2
234462 2001 SO_{207}	15.7	X	154.87946	188.58898	177.17938	5.27998	0.1373872	0.17188456	3.2036481	21	2 15.2	20.6
234463 2001 SA_{213}	17.4	X	313.28916	329.41275	15.67843	7.35738	0.1256204	0.29065819	2.2570837	21	7 13.1	19.7
234464 2001 SV_{220}	17.3	X	128.80043	265.19277	140.40782	2.91372	0.1782661	0.27099303	2.3649972	21	2 28.9	20.3
234465 2001 SL_{223}	17.1	X	95.29838	74.10686	13.52033	2.31321	0.1751286	0.27084748	2.3658445	21	3 12.6	19.6
234466 2001 SG_{229}	17.1	X	178.70779	251.82052	174.75821	6.38146	0.0870496	0.28044928	2.3115316	21	5 15.7	20.4
234467 2001 SV_{236}	17.0	X	208.02584	207.70325	146.92560	7.32868	0.1393435	0.27618321	2.3352741	21	3 14.0	20.6
234468 2001 SG_{240}	18.0	X	347.18848	295.08375	28.35582	4.54459	0.1888340	0.29277913	2.2461701	21	8 18.2	19.3
234469 2001 SB_{245}	16.0	X	241.63595	293.47749	35.11683	5.86259	0.1351345	0.17827673	3.1266045	21	3 24.8	20.9
234470 2001 SF_{255}	15.4	X	342.72252	82.38131	195.67306	16.59753	0.2009309	0.18578563	3.0417811	21	5 22.5	18.9
234471 2001 SH_{259}	15.4	X	316.62504	89.84436	154.48210	10.66893	0.0812632	0.18025536	3.1036823	21	3 13.5	19.6
234472 2001 SY_{267}	16.6	X	77.98514	4.12797	67.10717	5.99693	0.1850272	0.26391536	2.4070934	21	1 21.5	18.8
234473 2001 SR_{273}	15.3	X	0.63635	158.91146	14.70619	10.77883	0.0337211	0.17136558	3.2101130	21	2 22.1	19.8
234474 2001 ST_{283}	15.4	X	194.33268	219.47126	153.81372	11.08247	0.1210285	0.18182519	3.0857923	21	4 3.5	20.4
234475 2001 SJ_{298}	15.4	X	279.72748	295.89444	343.29513	6.78666	0.0677899	0.17877767	3.1207612	21	3 10.9	19.8
234476 2001 SJ_{303}	15.2	X	289.63861	48.42888	188.99433	13.19070	0.0987384	0.17289162	3.1911955	21	1 26.2	20.0
234477 2001 SD_{311}	15.1	X	121.08095	133.11188	242.33176	12.34333	0.0920416	0.16991222	3.2283923	21	1 15.7	20.0
234478 2001 SK_{315}	16.4	X	143.12664	90.15177	302.85976	8.96919	0.2051303	0.26956428	2.3733465	21	2 28.1	19.9
234479 2001 SZ_{317}	17.2	X	68.23066	169.48167	63.26875	3.50303	0.0537673	0.28978292	2.2616264	21	8 11.9	19.8
234480 2001 SF_{335}	15.4	X	236.22739	138.40465	176.55159	10.10831	0.0975456	0.17866841	3.1220333	21	3 3.3	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234481 2001 TM_{6}	16.7	X	77.03429	337.20402	114.52766	6.15839	0.2034327	0.26764055	2.3847056	21	2 21.7	18.8
234482 2001 TS_{11}	17.2	X	267.00283	349.55103	331.50435	1.96138	0.1837057	0.28111516	2.3078799	21	3 23.5	20.6
234483 2001 TV_{14}	15.1	X	128.28777	233.76067	136.33879	7.00935	0.0819065	0.16712370	3.2642045	21	1 19.4	19.8
234484 2001 TS_{29}	17.4	X	303.41710	2.58600	346.12684	4.08474	0.1574450	0.28866155	2.2674798	21	6 23.3	19.8
234485 2001 TB_{30}	17.4	X	359.07210	104.55588	222.43788	6.08308	0.1403966	0.29315747	2.2442371	21	9 14.8	19.2
234486 2001 TK_{52}	17.2	X	273.74449	328.19215	42.14150	6.24704	0.0982771	0.28688134	2.2768505	21	6 19.6	20.0
234487 2001 TK_{56}	16.9	X	121.23741	259.18260	155.58193	5.95670	0.2007471	0.26908957	2.3761370	21	3 7.4	19.8
234488 2001 TK_{59}	17.4	X	95.27219	305.03109	113.76853	0.22323	0.2117013	0.26639984	2.3921041	21	2 6.2	19.6
234489 2001 TM_{62}	15.1	X	211.10451	315.26683	20.74548	10.46486	0.2184053	0.17502127	3.1652559	21	3 6.4	20.6
234490 2001 TO_{66}	15.6	X	291.99631	145.91225	192.48675	3.46402	0.2963865	0.18712909	3.0272050	21	5 6.6	19.8
234491 2001 TW_{66}	17.2	X	251.87710	179.15251	177.69491	3.45968	0.1411704	0.28122294	2.3072902	21	4 29.5	20.4
234492 2001 TQ_{72}	17.0	X	124.56764	32.64405	52.07724	5.57585	0.2209928	0.27234928	2.3571392	21	4 22.7	20.3
234493 2001 TC_{75}	17.2	X	124.00420	216.47440	165.69509	1.46135	0.2070242	0.26589449	2.3951341	21	1 27.5	20.1
234494 2001 TA_{83}	17.1	X	209.35023	63.69121	336.46403	6.34354	0.1036759	0.28167088	2.3048434	21	5 10.2	20.5
234495 2001 TH_{87}	17.3	X	296.63067	357.18163	316.75889	4.20790	0.1483895	0.28418324	2.2912391	21	4 20.9	20.1
234496 2001 TX_{93}	16.5	X	160.96014	64.99346	2.52319	6.78183	0.1812479	0.27672712	2.3322131	21	4 29.5	20.1
234497 2001 TF_{94}	15.1	X	133.95225	41.12725	8.72705	10.01668	0.1126938	0.17172679	3.2056099	21	3 17.8	19.8
234498 2001 TA_{95}	15.4	X	264.37132	329.31310	343.10416	5.04194	0.2820410	0.18108465	3.0941993	21	3 11.9	20.6
234499 2001 TS_{95}	17.2	X	265.13551	20.35721	328.27264	3.45493	0.2093264	0.28337315	2.2956037	21	4 23.0	20.7
234500 2001 TS_{98}	17.6	X	124.68527	193.19821	229.67850	1.62393	0.1973870	0.27094636	2.3652688	21	3 20.2	20.7
234501 2001 TZ_{120}	16.4	X	109.14600	118.02904	324.63090	9.50276	0.1923665	0.27033221	2.3688498	21	3 23.5	19.5
234502 2001 TJ_{132}	15.5	X	238.78842	158.98309	159.50954	12.03034	0.1356558	0.17631342	3.1497721	21	3 9.3	20.4
234503 2001 TL_{147}	17.4	X	142.81400	310.58133	107.19423	3.20337	0.1843841	0.27321609	2.3521510	21	4 3.1	20.8
234504 2001 TQ_{150}	16.2	X	88.66659	44.62708	57.52378	7.69534	0.0660748	0.27165003	2.3611824	21	3 9.4	19.0
234505 2001 TM_{151}	16.5	X	98.07466	3.13117	72.77532	6.88437	0.1641299	0.26859837	2.3790330	21	3 2.2	19.2
234506 2001 TW_{152}	17.4	X	163.15166	310.20762	106.05912	3.46902	0.1850972	0.27532418	2.3401291	21	4 21.1	21.0
234507 2001 TN_{154}	16.7	X	280.14251	194.35971	117.49623	6.49010	0.1790484	0.28228021	2.3015253	21	3 29.7	19.9
234508 2001 TJ_{157}	16.9	X	51.25414	83.58621	77.88998	3.22594	0.1506362	0.27169395	2.3609280	21	4 10.1	18.9
234509 2001 TD_{175}	15.6	X	246.43048	152.70717	187.99182	10.84788	0.0775624	0.17956458	3.1116371	21	4 17.5	20.2
234510 2001 TX_{179}	16.7	X	110.90368	200.06047	254.30386	3.31007	0.1213303	0.27313661	2.3526073	21	4 2.2	19.6
234511 2001 TC_{184}	17.0	X	3.83134	281.95533	339.57093	4.13543	0.0528575	0.28497912	2.2869712	21	6 7.5	19.4
234512 2001 TL_{216}	14.9	X	253.46025	347.11125	336.20988	10.79682	0.2007997	0.17828893	3.1264618	21	3 19.9	20.0
234513 2001 TU_{232}	17.2	X	344.73712	190.04250	137.40370	7.79678	0.1714693	0.29225161	2.2488722	21	8 16.6	18.4
234514 2001 TW_{240}	14.7	X	154.46295	279.12408	31.13008	18.96213	0.0529368	0.15866564	3.3792018	21	—	—
234515 2001 TP_{256}	15.1	X	257.25782	265.35202	37.79015	9.78058	0.0687140	0.17735972	3.1373723	21	3 18.8	19.8
234516 2001 UP_{12}	16.7	X	159.98294	245.20202	129.09382	2.32761	0.2601699	0.26985785	2.3716250	21	3 1.3	20.5
234517 2001 UP_{14}	15.3	X	221.52069	327.13297	14.41247	10.58435	0.2163149	0.17680591	3.1439204	21	3 18.8	20.6
234518 2001 UN_{24}	14.9	X	293.78764	101.60209	262.25987	11.25992	0.0738989	0.18725788	3.0258169	21	7 12.2	19.1
234519 2001 UC_{36}	16.5	X	86.37295	301.07487	120.37068	7.90164	0.2306640	0.26367725	2.4085423	21	1 29.7	18.6
234520 2001 UT_{40}	16.6	X	92.23025	47.88276	38.28435	6.92847	0.1838241	0.26844564	2.3799353	21	3 10.6	19.2
234521 2001 UH_{44}	15.1	X	171.28901	159.62214	200.16702	13.94906	0.1440922	0.17066858	3.2188470	21	2 21.5	20.5
234522 2001 US_{48}	16.9	X	186.26488	335.20293	62.29590	3.43004	0.2111600	0.27580467	2.3374104	21	4 18.3	20.6
234523 2001 UU_{72}	15.9	X	252.71463	210.88027	152.39260	23.72841	0.1646051	0.28321438	2.2964616	21	5 12.6	19.8
234524 2001 UW_{85}	17.3	X	109.53887	309.76796	152.01754	1.44406	0.1468123	0.27295734	2.3536373	21	4 16.9	20.0
234525 2001 UZ_{88}	17.3	X	68.62217	326.66091	124.64491	6.60354	0.2139433	0.26499905	2.4005265	21	2 4.3	19.2
234526 2001 UD_{127}	15.5	X	0.40681	253.42688	120.59224	5.01609	0.0773065	0.24689815	2.5164646	21	11 16.7	18.4
234527 2001 UD_{141}	15.3	X	329.12335	251.76940	49.59527	11.45015	0.0357988	0.18354244	3.0665147	21	6 14.6	19.6
234528 2001 US_{141}	16.9	X	76.87755	269.81286	205.85243	4.94003	0.1018520	0.27054817	2.3675890	21	3 9.2	19.4
234529 2001 UH_{154}	16.9	X	212.67494	324.18481	51.81805	5.19748	0.1528973	0.27605116	2.3360188	21	4 14.7	20.6
234530 2001 UD_{156}	16.8	X	67.99511	56.68977	49.30951	3.06198	0.1693990	0.26600501	2.3944706	21	2 20.6	18.9
234531 2001 UU_{156}	16.7	X	88.17172	313.83610	93.76079	3.99203	0.1667780	0.26264628	2.4148410	21	1 2.5	19.0
234532 2001 UG_{159}	16.5	X	46.23919	80.83153	54.77623	8.62892	0.1749613	0.26578045	2.3958191	21	2 24.4	18.6
234533 2001 UF_{161}	16.8	X	323.96749	262.18914	71.13032	7.70279	0.2134826	0.28769990	2.2725298	21	6 28.5	18.5
234534 2001 UB_{164}	17.3	X	68.29219	214.14094	101.11583	3.08856	0.1465139	0.30249993	2.1977883	21	12 19.7	20.3
234535 2001 UB_{198}	17.0	X	223.41499	313.26292	72.03920	7.20929	0.1176236	0.28154191	2.3055472	21	5 8.9	20.2
234536 2001 UW_{206}	15.3	X	174.57402	196.93486	152.58445	10.07362	0.1248407	0.17058637	3.2198811	21	2 14.8	20.5
234537 2001 UP_{207}	17.5	X	151.41298	44.33179	41.44264	4.92755	0.1100153	0.27838479	2.3229456	21	5 10.1	20.6
234538 2001 UP_{212}	17.1	X	93.10788	311.90752	202.96359	5.86101	0.0507423	0.27874595	2.3209387	21	5 23.8	19.9
234539 2001 UO_{217}	17.0	X	44.20059	228.38481	54.28492	7.02289	0.1280937	0.29384709	2.2407244	21	10 3.7	19.5
234540 2001 UN_{222}	17.4	X	63.22888	12.27838	90.79853	4.55660	0.1540889	0.26515854	2.3995638	21	2 4.7	19.6
234541 2001 UH_{229}	17.0	X	91.62011	7.30987	122.58704	6.45702	0.0521676	0.27742445	2.3283033	21	4 18.2	19.8
234542 2001 UQ_{229}	15.9	X	357.23212	53.35122	192.46320	4.99270	0.1097013	0.18376776	3.0640076	21	5 11.3	19.6
234543 2001 VV_{14}	16.6	X	52.79334	150.59965	308.11910	4.28464	0.1594645	0.26240353	2.4163301	21	1 7.7	18.5
234544 2001 VK_{19}	16.7	X	106.31858	62.09763	34.12296	5.38722	0.1301336	0.27097330	2.3651120	21	4 3.1	19.5
234545 2001 VH_{20}	17.4	X	94.41161	31.33237	30.90249	2.91963	0.2164127	0.26512043	2.3997938	21	2 12.1	19.9
234546 2001 VF_{38}	15.7	X	70.67655	294.74807	6.68461	1.55802	0.1246014	0.24687910	2.5165941	21	11 21.9	19.3
234547 2001 VE_{59}	16.9	X	111.86299	143.44934	320.35148	2.42937	0.1829263	0.27219154	2.3580498	21	4 26.5	19.9
234548 2001 VJ_{60}	17.1	X	72.86960	122.50496	321.34030	2.83780	0.1507924	0.26465717	2.4025934	21	1 24.6	19.4
234549 2001 VX_{95}	15.4	X	272.33744	247.56485	141.70875	10.23244	0.1603544	0.18553250	3.0445473	21	7 5.4	19.8
234550 2001 VT_{115}	17.3	X	60.72240	60.28394	15.59929	2.36516	0.1808261	0.26070980	2.4267841	21	—	—
234551 2001 VK_{116}	17.0	X	241.51932	324.21392	48.55048	5.27839	0.1729536	0.27949528	2.3167885	21	5 6.3	20.2
234552 2001 VR_{119}	17.0	X	89.81220	28.37659	40.03257	3.48684	0.1780131	0.26398891	2.4066463	21	2 7.3	19.4
234553 2001 WA_{6}	17.3	X	88.72071	130.46113	309.96274	0.31009	0.1612232	0.26730828	2.3866813	21	2 17.5	19.6
234554 2001 WC_{6}	17.2	X	58.51960	61.65650	48.94121	11.56019	0.2009381	0.26590476	2.3950724	21	2 16.3	19.4
234555 2001 WU_{6}	16.8	X	112.68943	116.01614	4.40420	6.42996	0.0576638	0.27538882	2.3397629	21	4 30.6	19.7
234556 2001 WU_{17}	17.0	X	44.57733	287.72380	26.95371	5.72800	0.1799160	0.29791557	2.2202775	21	11 23.3	19.6
234557 2001 WQ_{24}	17.0	X	86.65288	277.42789	212.47199	5.56877	0.0625439	0.27380049	2.3488029	21	4 8.7	19.6
234558 2001 WA_{29}	15.9	X	288.48479	322.00279	98.83943	6.27531	0.1639944	0.24064478	2.5598730	21	9 14.9	18.9
234559 2001 WL_{45}	16.9	X	242.81567	21.46558	327.80889	1.93744	0.1862177	0.27889691	2.3201011	21	4 5.1	20.6
234560 2001 WT_{58}	17.1	X	4.05239	177.12866	52.68050	3.65662	0.0392922	0.27687170	2.3314012	21	4 23.1	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234561 2001 WG_{82}	15.5	X	271.43453	261.86633	62.61993	5.62721	0.1592323	0.17911487	3.1168432	21	4 16.4	20.1
234562 2001 WH_{91}	17.2	X	37.42752	128.84310	12.35250	1.81611	0.1352117	0.26547131	2.3976787	21	2 8.6	19.2
234563 2001 XC_{23}	16.4	X	62.54589	139.04320	284.54195	13.79800	0.1953711	0.25833890	2.4416094	21	—	—
234564 2001 XN_{37}	16.3	X	266.67935	205.65142	288.59541	12.54404	0.1743688	0.24578890	2.5240301	21	11 14.9	19.5
234565 2001 XM_{50}	17.1	X	112.16174	248.86622	306.56387	14.33365	0.0323004	0.38081123	1.8850790	21	8 17.7	18.9
234566 2001 XQ_{51}	17.4	X	80.11991	217.70581	218.25342	0.62223	0.1594345	0.26371477	2.4083138	21	1 27.4	19.5
234567 2001 XT_{59}	16.3	X	71.93146	349.10641	90.81421	4.34428	0.1529400	0.26155519	2.4215521	21	1 18.4	18.4
234568 2001 XG_{80}	16.6	X	62.11483	357.57563	150.67294	7.90353	0.1421821	0.26876505	2.3780493	21	4 11.7	19.0
234569 2001 XK_{90}	16.1	X	83.88254	71.34545	61.31660	10.10051	0.1908660	0.27042257	2.3683220	21	5 3.1	18.7
234570 2001 XZ_{105}	16.7	X	72.68543	259.16457	251.42690	2.76013	0.1343987	0.27130957	2.3631573	21	4 28.6	19.1
234571 2001 XO_{107}	17.5	X	39.10868	318.36267	132.96835	0.47878	0.1704777	0.25895477	2.4377365	21	—	—
234572 2001 XN_{111}	16.6	X	185.46417	220.25181	128.50356	8.38764	0.2584342	0.26945940	2.3739623	21	2 19.2	20.6
234573 2001 XQ_{137}	17.1	X	33.38987	14.16901	108.57248	3.59757	0.1335582	0.26146347	2.4221184	21	1 4.7	19.4
234574 2001 XR_{140}	17.0	X	106.47801	246.49673	141.34618	2.07573	0.2044649	0.26179219	2.4200904	21	1 11.5	19.6
234575 2001 XV_{141}	17.0	X	12.25557	252.45931	79.30260	4.18478	0.2016875	0.29310730	2.2444932	21	11 3.1	18.8
234576 2001 XF_{164}	17.1	X	55.51640	283.33825	206.27822	1.75008	0.1500372	0.26450984	2.4034854	21	2 27.1	19.1
234577 2001 XK_{174}	16.8	X	151.66044	156.63052	246.63500	5.28193	0.1788371	0.26809848	2.3819893	21	3 20.1	20.4
234578 2001 XT_{177}	17.3	X	80.12095	206.23756	184.21736	1.84613	0.1917377	0.25632034	2.4544113	21	—	—
234579 2001 XH_{217}	16.6	X	29.15926	18.50827	97.88777	3.67971	0.1429202	0.25812886	2.4429337	21	—	—
234580 2001 XF_{225}	17.4	X	104.23284	54.65496	329.06794	1.47478	0.1868812	0.26164430	2.4210023	21	—	—
234581 2001 XJ_{231}	17.1	X	104.18459	19.94994	10.99720	3.27797	0.1841168	0.26200520	2.4187786	21	1 9.7	19.7
234582 2001 XS_{242}	17.1	X	69.30616	143.66411	278.80570	1.62998	0.1784542	0.25969384	2.4331093	21	—	—
234583 2001 XG_{250}	16.8	X	78.00078	20.31598	92.65215	3.12239	0.1705288	0.26561192	2.3968325	21	3 22.3	19.2
234584 2001 XW_{256}	16.3	X	66.26960	343.73584	142.61064	13.13905	0.0978098	0.26849978	2.3796154	21	3 11.2	18.8
234585 2001 XA_{261}	17.6	X	148.51798	338.21918	78.51201	3.57732	0.1111636	0.27212885	2.3584119	21	3 31.4	20.8
234586 2001 XA_{267}	17.7	X	94.19620	257.47179	176.64645	1.48982	0.1562883	0.26327663	2.4109850	21	2 17.2	20.2
234587 2001 YU_{10}	17.1	X	60.28396	317.27833	291.15605	22.95969	0.0302272	0.38123526	1.8836809	21	8 13.1	19.2
234588 2001 YU_{25}	17.6	X	57.83988	21.70401	48.43372	2.00747	0.1679889	0.25973268	2.4328667	21	—	—
234589 2001 YY_{25}	15.6	X	51.61980	256.08234	57.23766	2.13797	0.1653786	0.24487226	2.5303251	21	11 20.0	19.0
234590 2001 YC_{54}	17.1	X	86.73962	38.50374	42.29404	2.91327	0.1786568	0.26366235	2.4086330	21	2 19.9	19.5
234591 2001 YY_{57}	17.5	X	58.29503	32.35528	54.25306	1.80763	0.1595997	0.26047633	2.4282340	21	1 1.4	19.5
234592 2001 YL_{63}	16.8	X	15.17297	45.10688	81.84361	3.32585	0.1633007	0.25780050	2.4450076	21	—	—
234593 2001 YC_{71}	16.4	X	59.19595	58.94694	98.65765	6.87832	0.0433357	0.26799851	2.3825816	21	4 9.4	19.2
234594 2001 YU_{80}	16.5	X	128.48900	332.94568	84.46685	5.61638	0.1099298	0.26505552	2.4001855	21	3 10.1	19.6
234595 2001 YB_{89}	16.0	X	346.95705	107.05561	98.89528	10.43350	0.1776480	0.26128909	2.4231959	21	2 6.2	18.6
234596 2001 YO_{93}	17.1	X	55.94461	107.52299	344.20941	0.96904	0.1477612	0.25873783	2.4390990	21	1 4.5	19.3
234597 2001 YB_{104}	16.4	X	263.23641	4.57934	112.86559	10.91596	0.1708780	0.24077401	2.5589569	21	10 26.1	19.8
234598 2001 YH_{107}	16.3	X	8.98765	53.41635	120.49793	6.00660	0.1341916	0.26045157	2.4283879	21	2 3.7	18.8
234599 2001 YZ_{125}	16.3	X	104.78345	338.29827	49.72572	9.29260	0.1336626	0.26006214	2.4308116	21	—	—
234600 2001 YU_{139}	15.3	X	204.19381	325.96120	237.53591	13.41433	0.2467208	0.23816192	2.5776335	21	11 23.7	19.4
234601 2001 YV_{152}	16.4	X	95.70383	3.67986	56.56959	7.97932	0.2107233	0.26228228	2.4170748	21	2 13.7	19.1
234602 2001 YS_{161}	16.1	X	217.90262	158.81090	3.67296	8.36031	0.0647273	0.24016712	2.5632660	21	11 3.4	19.6
234603 2002 AT_{37}	16.8	X	88.58551	347.05023	110.07257	7.29231	0.0909787	0.26625810	2.3929530	21	3 5.4	19.6
234604 2002 AS_{43}	16.6	X	176.16720	332.15426	262.11794	5.13987	0.0655903	0.24378794	2.5378224	21	12 18.9	20.2
234605 2002 AO_{45}	16.3	X	337.80716	314.21338	275.49330	8.67100	0.2013909	0.26303283	2.4124746	21	2 14.3	19.3
234606 2002 AG_{46}	17.6	X	10.24118	345.64158	155.88521	2.71310	0.1580196	0.25728572	2.4482678	21	—	—
234607 2002 AN_{47}	16.5	X	316.66570	85.50587	138.13457	5.56121	0.1629215	0.25937636	2.4350943	21	1 18.1	19.6
234608 2002 AW_{50}	17.3	X	14.01206	359.20773	119.72155	3.04795	0.1642308	0.25508356	2.4623384	21	—	—
234609 2002 AA_{54}	17.2	X	5.90290	21.49365	150.89065	2.77462	0.1557641	0.26040812	2.4286581	21	1 23.3	19.6
234610 2002 AG_{56}	16.5	X	358.24517	240.97078	271.73659	5.26834	0.0721157	0.25683799	2.4511123	21	—	—
234611 2002 AN_{67}	17.5	X	55.94129	127.35791	343.49314	2.14222	0.1564237	0.26107596	2.4245145	21	2 2.3	19.6
234612 2002 AZ_{78}	17.3	X	39.73760	32.94056	79.77320	4.00235	0.1402685	0.25930363	2.4355496	21	1 2.9	19.5
234613 2002 AZ_{87}	17.0	X	133.90451	236.39999	135.85884	3.02258	0.2217474	0.26169654	2.4206801	21	1 29.4	20.2
234614 2002 AC_{91}	17.6	X	35.88357	327.84980	162.48072	1.33834	0.1305326	0.26030376	2.4293071	21	1 21.0	19.8
234615 2002 AV_{95}	16.6	X	336.97732	170.77682	71.69764	3.97214	0.1545184	0.26583128	2.3955137	21	3 16.9	19.2
234616 2002 AU_{96}	16.7	X	69.32087	2.67558	87.84477	4.83491	0.0928510	0.25995735	2.4314648	21	1 23.7	19.3
234617 2002 AZ_{99}	16.4	X	343.17623	67.78571	85.32512	3.68856	0.1397646	0.25428501	2.4674908	21	—	—
234618 2002 AH_{100}	16.5	X	331.38312	243.52892	315.47242	7.75666	0.1609801	0.25748073	2.4470315	21	1 6.9	19.5
234619 2002 AN_{106}	17.3	X	34.77434	3.33593	113.67478	3.39525	0.1363453	0.25780681	2.4449677	21	—	—
234620 2002 AZ_{131}	16.6	X	286.78974	182.03558	275.03808	4.92710	0.1720518	0.24238031	2.5476386	21	10 27.3	19.4
234621 2002 AH_{145}	17.3	X	59.22362	295.47034	146.56654	3.21516	0.1531149	0.25771071	2.4455755	21	—	—
234622 2002 AL_{146}	17.1	X	356.09292	211.76201	291.16464	3.85659	0.1469802	0.25510447	2.4622038	21	—	—
234623 2002 AA_{173}	15.9	X	49.12570	269.04110	307.41839	12.36329	0.1204826	0.27141632	2.3625377	21	6 27.3	18.4
234624 2002 AH_{187}	17.0	X	48.18039	85.80994	346.84838	11.78785	0.1828610	0.25503052	2.4626798	21	—	—
234625 2002 AL_{199}	16.3	X	268.11184	23.88424	312.70532	5.83138	0.1616933	0.27459515	2.3442692	21	4 14.7	19.8
234626 2002 AK_{201}	16.4	X	281.60370	309.81494	308.10637	5.58784	0.0821395	0.26094742	2.4253106	21	1 31.1	19.7
234627 2002 BA_{11}	16.1	X	37.88429	8.83495	135.24314	6.24155	0.2169817	0.25859653	2.4399874	21	2 16.6	17.5
234628 2002 BS_{14}	16.6	X	89.85956	221.18138	285.91060	4.03835	0.1702005	0.26687173	2.3892834	21	5 27.1	19.4
234629 2002 BX_{24}	16.1	X	197.31912	130.01775	27.47416	11.28256	0.1304243	0.23301892	2.6154229	21	10 2.9	20.2
234630 2002 CD_{1}	16.4	X	269.93462	101.98689	188.80907	8.27548	0.1734854	0.26206967	2.4183819	21	2 17.8	20.1
234631 2002 CL_{11}	16.9	X	257.59377	227.13057	318.58958	5.10324	0.1229217	0.24460187	2.5321895	21	—	—
234632 2002 CP_{11}	17.1	X	210.44321	252.25554	153.88360	22.88590	0.1266634	0.37270098	1.9123279	21	5 22.9	20.2
234633 2002 CG_{12}	17.0	X	114.62524	55.40716	143.03351	21.76976	0.0475167	0.37971380	1.8887093	21	9 3.5	18.9
234634 2002 CL_{15}	16.7	X	8.95788	10.26460	163.29793	5.24439	0.1203707	0.25897347	2.4376192	21	2 3.6	19.3
234635 2002 CE_{18}	16.2	X	316.53248	230.69864	42.44042	7.11040	0.0941255	0.26643231	2.3919097	21	4 6.9	18.9
234636 2002 CD_{38}	16.3	X	185.67808	246.77207	305.87511	8.53144	0.0523843	0.23635372	2.5907634	21	11 3.7	20.1
234637 2002 CP_{46}	16.8	X	152.45101	339.73335	334.93255	3.41825	0.1209662	0.24491860	2.5300059	21	—	—
234638 2002 CS_{46}	16.0	X	4.47351	55.89273	353.50633	27.76499	0.3120866	0.24331714	2.5410951	21	—	—
234639 2002 CU_{82}	16.6	X	329.70216	202.71570	10.61038	2.80927	0.1201307	0.25706850	2.4496468	21	1 30.1	19.5
234640 2002 CL_{117}	16.3	X	208.94784	46.63546	116.21165	13.78469	0.2297497	0.23292752	2.6161071	21	10 17.1	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234641 2002 CA_{128}	17.2	X	354.03236	27.93894	148.75307	1.79260	0.1292419	0.25760994	2.4462132	21	1 13.9	20.0
234642 2002 CB_{178}	17.4	X	306.16131	281.42948	300.48966	0.40949	0.1317816	0.25682811	2.4511751	21	1 8.5	20.6
234643 2002 CH_{179}	17.3	X	28.37997	99.42703	34.20474	1.93358	0.1446806	0.25804511	2.4434622	21	1 12.0	19.5
234644 2002 CG_{180}	16.6	X	302.95181	91.82901	322.12265	11.02951	0.1071974	0.23642300	2.5902573	21	9 27.9	19.8
234645 2002 CJ_{185}	16.6	X	216.27717	336.39426	344.96266	5.93599	0.1140675	0.25983628	2.4322200	21	2 10.0	20.2
234646 2002 CC_{198}	17.7	X	36.48591	163.42817	331.60104	0.83666	0.1390122	0.25829749	2.4418703	21	1 30.0	19.8
234647 2002 CX_{251}	16.5	X	82.12628	90.81054	356.17208	9.23341	0.0529779	0.25929271	2.4356180	21	2 6.1	19.4
234648 2002 CH_{254}	16.6	X	307.39514	94.22902	138.19132	7.78818	0.0798824	0.25906176	2.4370653	21	1 30.1	19.7
234649 2002 CE_{275}	16.3	X	241.70055	314.48177	314.67627	6.07890	0.1043990	0.25575764	2.4580100	21	1 2.1	20.0
234650 2002 CH_{304}	14.8	X	231.53152	271.60581	159.50429	11.60795	0.1949903	0.12502174	3.9610685	21	7 9.8	21.1
234651 2002 CW_{304}	16.6	X	248.85898	84.37088	157.61013	8.76761	0.1709206	0.24278453	2.5448101	21	—	—
234652 2002 DL_{19}	17.5	X	274.85186	354.74461	343.66528	17.98648	0.0819877	0.36945980	1.9234959	21	4 20.3	20.0
234653 2002 EN_{5}	17.1	X	147.33981	321.59309	171.24416	23.32842	0.0763426	0.37387079	1.9083368	21	7 6.7	19.9
234654 2002 EP_{8}	16.5	X	179.45089	124.90921	166.41354	7.27389	0.0494544	0.24604107	2.5223052	21	—	—
234655 2002 EJ_{38}	16.9	X	270.30993	282.58062	343.45800	2.18035	0.1440866	0.25583542	2.4575117	21	1 24.4	20.6
234656 2002 EN_{53}	17.4	X	12.03452	332.66107	163.37271	3.86750	0.1835311	0.25425318	2.4676967	21	—	—
234657 2002 EJ_{103}	15.8	X	337.05213	300.97451	15.00479	7.48359	0.0921813	0.22053479	2.7132177	21	7 14.8	19.1
234658 2002 ER_{103}	17.6	X	337.71527	342.31972	205.81750	0.99267	0.1229703	0.25491967	2.4633936	21	1 6.7	20.4
234659 2002 EG_{115}	16.6	X	205.26578	134.90225	116.72984	5.56884	0.2305266	0.23952878	2.5678181	21	—	—
234660 2002 ET_{128}	16.5	X	151.15527	130.95061	156.55298	6.47390	0.1234119	0.24065550	2.5597970	21	—	—
234661 2002 EH_{134}	15.8	X	38.44951	244.06528	186.91117	1.68483	0.0612434	0.24577908	2.5240974	21	—	—
234662 2002 EJ_{136}	17.0	X	186.47906	62.45785	152.74053	5.00086	0.1415814	0.23564736	2.5959381	21	11 30.3	21.1
234663 2002 EO_{145}	16.3	X	353.17973	284.07269	186.65415	14.86755	0.1004220	0.24471857	2.5313844	21	—	—
234664 2002 EP_{146}	17.0	X	321.15474	194.83680	35.80648	4.44358	0.2215352	0.25426621	2.4676124	21	1 27.2	20.2
234665 2002 ER_{148}	16.4	X	141.71992	102.00955	164.06019	3.38603	0.0562996	0.23605748	2.5929305	21	12 19.2	20.2
234666 2002 FH_{12}	15.9	X	131.68353	338.10791	11.56725	7.38528	0.0552386	0.24689597	2.5164794	21	—	—
234667 2002 FW_{28}	15.2	X	103.87674	283.33260	45.62257	11.98218	0.2067194	0.23793043	2.5793051	21	—	—
234668 2002 FT_{33}	16.6	X	214.41598	98.93702	59.37460	10.17049	0.2178468	0.23252100	2.6191554	21	10 14.8	20.8
234669 2002 FW_{34}	16.2	X	326.88829	208.15955	297.36585	2.96401	0.1008481	0.24543148	2.5264800	21	—	—
234670 2002 GM	17.0	X	109.56888	319.30265	173.38027	22.86389	0.0633283	0.36633136	1.9344313	21	5 14.4	19.4
234671 2002 GA_{5}	17.3	X	50.62347	40.93707	198.72253	23.61482	0.0878073	0.37034178	1.9204407	21	7 26.2	19.7
234672 2002 GE_{14}	16.7	X	284.52332	337.74958	203.38231	5.50876	0.1311034	0.24230416	2.5481724	21	—	—
234673 2002 GQ_{14}	16.4	X	176.81300	1.90184	1.81528	20.09932	0.0701036	0.35880526	1.9613880	21	2 10.7	19.0
234674 2002 GP_{38}	14.3	X	95.18492	95.15426	190.89097	8.46414	0.1987762	0.12466458	3.9686305	21	11 20.9	20.4
234675 2002 GY_{41}	16.6	X	295.18412	285.19660	204.67773	8.02281	0.1112821	0.23957232	2.5675069	21	—	—
234676 2002 GA_{52}	16.5	X	215.08778	171.91785	93.08587	1.27126	0.1201990	0.24318956	2.5419837	21	—	—
234677 2002 GH_{52}	16.2	X	241.62119	207.58858	24.78963	6.84778	0.0617274	0.24322799	2.5417159	21	—	—
234678 2002 GJ_{64}	16.5	X	194.83962	153.96446	114.38741	2.81312	0.1365530	0.23954427	2.5677073	21	—	—
234679 2002 GW_{64}	15.7	X	94.37573	337.06229	42.36219	15.55964	0.0601628	0.24226978	2.5484135	21	—	—
234680 2002 GQ_{66}	16.3	X	177.95563	239.21897	66.92863	4.22050	0.3167243	0.23985633	2.5654798	21	—	—
234681 2002 GT_{82}	16.4	X	269.11802	29.68897	158.21231	5.57238	0.0968548	0.24129193	2.5552939	21	—	—
234682 2002 GF_{83}	16.7	X	206.99976	107.57843	141.31636	5.99383	0.1326688	0.23930817	2.5693960	21	—	—
234683 2002 GF_{85}	16.6	X	175.29049	166.66044	114.39607	4.01811	0.1918153	0.23902856	2.5713993	21	—	—
234684 2002 GD_{89}	16.6	X	237.92409	137.28985	93.64883	12.41422	0.2334494	0.24116801	2.5561691	21	—	—
234685 2002 GS_{97}	16.7	X	229.52973	241.53045	214.72767	1.56974	0.1719768	0.22548473	2.6733631	21	8 11.7	20.9
234686 2002 GJ_{99}	16.9	X	264.21020	8.66308	186.30323	3.62161	0.1222242	0.24284865	2.5443621	21	—	—
234687 2002 GD_{101}	16.5	X	195.49502	155.44381	344.82708	2.47341	0.1507409	0.22633098	2.6666952	21	9 5.2	20.6
234688 2002 GE_{104}	16.3	X	231.18537	2.26640	149.00840	8.19259	0.1668975	0.23191043	2.6237505	21	10 27.2	20.2
234689 2002 GC_{110}	16.1	X	199.84743	71.19031	154.90911	5.07120	0.1161470	0.23706278	2.5855948	21	12 28.6	19.9
234690 2002 GG_{110}	15.4	X	68.77693	202.29763	183.59758	15.20847	0.1880314	0.24175105	2.5520576	21	—	—
234691 2002 GO_{115}	16.7	X	187.49846	220.56781	71.93484	8.00633	0.2582917	0.24111823	2.5565210	21	—	—
234692 2002 GG_{121}	16.7	X	212.63248	157.01858	109.45504	6.94150	0.1947188	0.24077805	2.5589283	21	—	—
234693 2002 GD_{124}	16.1	X	7.20881	303.17147	190.46810	9.64547	0.1124161	0.25152306	2.4855214	21	—	—
234694 2002 GG_{125}	15.9	X	80.25076	145.30247	229.81889	4.02885	0.0755188	0.24356397	2.5393780	21	—	—
234695 2002 GF_{129}	16.6	X	205.13303	256.90909	11.46532	16.53293	0.1415031	0.24203572	2.5500561	21	—	—
234696 2002 GW_{129}	16.8	X	215.55676	194.89384	39.75608	1.15726	0.0864489	0.24007120	2.5639488	21	—	—
234697 2002 GJ_{134}	15.7	X	71.30675	177.76635	203.89918	12.40968	0.1088146	0.24169509	2.5524515	21	—	—
234698 2002 GP_{143}	16.8	X	223.87120	8.50360	206.45309	5.22547	0.1252452	0.23760885	2.5816319	21	—	—
234699 2002 GR_{144}	15.9	X	217.06583	107.94725	86.84294	13.67507	0.1073018	0.23453831	2.6041152	21	12 10.2	19.6
234700 2002 GW_{144}	15.9	X	287.40459	271.69157	91.48083	6.58236	0.0905021	0.21920911	2.7241456	21	7 1.5	19.5
234701 2002 GW_{146}	16.4	X	209.67362	89.99904	159.87005	10.76240	0.0553565	0.24221074	2.5488275	21	—	—
234702 2002 GT_{158}	16.9	X	224.94370	69.64299	165.56462	7.97171	0.1979827	0.23926013	2.5697399	21	—	—
234703 2002 GJ_{159}	16.2	X	244.69715	8.43568	210.12723	9.77318	0.0906303	0.24110844	2.5565901	21	—	—
234704 2002 GG_{163}	15.2	X	60.37123	321.99128	50.26795	6.58196	0.3335002	0.23681545	2.5873948	21	—	—
234705 2002 GG_{169}	16.6	X	155.91209	40.85613	227.04028	3.70975	0.2110361	0.23330572	2.6132791	21	12 31.3	21.1
234706 2002 GQ_{171}	16.1	X	194.73411	242.01842	29.33715	7.04161	0.0633158	0.24269457	2.5454389	21	—	—
234707 2002 HB_{10}	16.0	X	258.35689	303.41593	199.04815	15.18175	0.0860957	0.23446258	2.6046759	21	11 29.1	19.5
234708 2002 HZ_{12}	16.8	X	295.07412	72.84280	173.24313	23.67703	0.0528828	0.35345296	1.9811391	21	1 14.7	19.7
234709 2002 JC_{7}	16.4	X	288.84852	40.90788	153.48131	6.44917	0.1096257	0.24392643	2.5368618	21	—	—
234710 2002 JD_{8}	16.1	X	153.72390	180.48324	116.45095	7.18517	0.2013006	0.23649828	2.5897076	21	—	—
234711 2002 JD_{16}	15.7	X	169.71714	241.56417	29.27255	15.80794	0.1122283	0.23563195	2.5960513	21	—	—
234712 2002 JY_{18}	16.6	X	233.99237	87.10010	150.40569	5.22537	0.0839056	0.24057712	2.5603530	21	—	—
234713 2002 JT_{36}	16.3	X	210.96791	111.21157	134.51443	6.95970	0.1305827	0.23807970	2.5782269	21	—	—
234714 2002 JX_{67}	16.4	X	218.97915	88.52682	151.68397	4.57875	0.1413158	0.23875130	2.5733896	21	—	—
234715 2002 JJ_{83}	16.1	X	235.30115	99.14853	36.73378	13.32413	0.2098222	0.23082959	2.6319344	21	10 7.8	20.1
234716 2002 JY_{85}	15.8	X	85.35248	158.88536	22.28467	4.75202	0.0064149	0.21185212	2.7868537	21	6 13.5	19.7
234717 2002 JM_{94}	16.2	X	289.88245	293.12988	239.06204	5.88923	0.1301170	0.24023718	2.5627677	21	—	—
234718 2002 JD_{99}	15.8	X	241.64292	118.28400	105.64035	15.22141	0.0571500	0.24212055	2.5494605	21	—	—
234719 2002 JB_{119}	15.8	X	173.45590	135.18433	132.10639	16.17271	0.1164399	0.23540374	2.5977288	21	—	—
234720 2002 JF_{119}	16.4	X	282.09102	9.70236	150.83278	12.75393	0.1668520	0.23924059	2.5698797	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234721 2002 JC_{120}	15.9	X	147.94921	149.27803	157.37940	15.36957	0.1372616	0.23762977	2.5814803	21	—	—
234722 2002 JU_{127}	16.1	X	220.91747	330.41580	196.88361	12.79710	0.1093170	0.23077612	2.6323410	21	11 10.3	19.9
234723 2002 JR_{136}	16.2	X	63.49675	291.48705	49.79784	3.88782	0.0369031	0.23112335	2.6297038	21	12 19.5	19.8
234724 2002 JL_{144}	16.4	X	173.09668	182.68140	129.18238	6.67356	0.2941538	0.23654313	2.5893802	21	1 2.5	20.9
234725 2002 KL_{8}	15.7	X	181.15413	80.98463	158.15232	27.41328	0.2837076	0.23278657	2.6171629	21	12 17.5	20.9
234726 2002 KN_{11}	16.1	X	356.14423	294.71698	63.15681	7.23347	0.0426798	0.22325829	2.6911071	21	10 13.9	19.5
234727 2002 KK_{12}	15.7	X	234.60252	88.72183	145.87020	9.58945	0.1335521	0.23904182	2.5713042	21	—	—
234728 2002 KB_{16}	16.8	X	109.11468	169.40060	141.38450	1.43446	0.2063324	0.22948320	2.6422188	21	—	—
234729 2002 KF_{16}	16.4	X	173.32474	68.97005	159.99099	6.00124	0.1062161	0.22971251	2.6404601	21	12 5.3	20.4
234730 2002 LW_{1}	16.6	X	133.64314	138.61371	140.12590	3.10480	0.1729642	0.22893754	2.6464156	21	12 25.9	20.9
234731 2002 LT_{22}	15.3	X	219.09810	27.84541	253.42196	9.80137	0.1033355	0.18916024	3.0054960	21	1 4.7	20.1
234732 2002 LH_{31}	17.0	X	181.34908	45.39105	256.08690	3.81092	0.3528843	0.23469456	2.6029592	21	—	—
234733 2002 LW_{32}	16.1	X	249.93630	106.12988	69.74016	12.48217	0.1289166	0.23567736	2.5957178	21	12 23.1	19.4
234734 2002 LD_{34}	16.1	X	144.60525	157.60297	142.45363	6.92777	0.1576052	0.23276007	2.6173616	21	—	—
234735 2002 LB_{37}	15.9	X	194.19627	338.90916	256.93785	9.95064	0.2126360	0.22970985	2.6404806	21	12 24.6	20.1
234736 2002 LW_{41}	16.1	X	106.50160	141.13474	174.04535	6.71551	0.2426029	0.22651918	2.6652179	21	—	—
234737 2002 LO_{47}	15.7	X	162.38248	33.59281	174.15132	12.31887	0.1926931	0.22546364	2.6735299	21	10 29.3	20.3
234738 2002 LH_{53}	15.4	X	163.72176	255.13265	91.30979	4.91788	0.2223775	0.23533568	2.5982296	21	1 31.7	19.6
234739 2002 LO_{54}	16.5	X	214.85932	173.95229	68.23411	5.73437	0.1421927	0.23698424	2.5861660	21	—	—
234740 2002 LL_{57}	16.1	X	30.30220	163.67269	170.90393	9.59187	0.1666149	0.22036909	2.7145776	21	11 17.0	19.5
234741 2002 LH_{59}	16.1	X	213.53781	92.82880	135.70306	12.90804	0.1608029	0.23142254	2.6274368	21	—	—
234742 2002 LM_{62}	15.2	X	21.69392	327.98681	108.79870	18.60760	0.0255664	0.17869475	3.1217265	21	—	—
234743 2002 NM_{11}	16.7	X	121.44162	179.17058	118.41709	4.63634	0.2570389	0.22590805	2.6700224	21	—	—
234744 2002 NT_{15}	16.4	X	155.21399	160.32517	98.62881	15.06021	0.2198258	0.22667862	2.6639680	21	12 20.1	21.1
234745 2002 NP_{17}	16.2	X	141.21677	176.68295	104.82555	15.33836	0.2401788	0.22735605	2.6586737	21	—	—
234746 2002 NF_{40}	16.3	X	30.42540	2.16241	323.84412	4.03134	0.1247041	0.21467400	2.7623779	21	10 25.3	19.7
234747 2002 NX_{43}	15.9	X	162.86329	92.02555	182.54302	14.73640	0.1123921	0.23177751	2.6247535	21	—	—
234748 2002 NH_{57}	16.5	X	102.14855	227.21259	79.36012	4.88298	0.0837701	0.22448570	2.6812888	21	12 25.0	20.3
234749 2002 NF_{61}	16.2	X	327.25800	330.30467	20.47771	5.07789	0.1273661	0.20876042	2.8143014	21	8 13.7	19.5
234750 Amymainzer	15.4	X	102.26489	113.60819	210.55394	19.38563	0.2047879	0.17152717	3.2080966	21	—	—
234751 2002 ND_{70}	15.8	X	178.81161	152.65716	158.03170	10.56955	0.0541510	0.18227390	3.0807259	21	—	—
234752 2002 NG_{72}	16.4	X	51.49105	171.64905	176.93761	6.05858	0.0517981	0.22226388	2.6991278	21	12 14.5	20.1
234753 2002 OQ_{1}	14.9	X	116.83744	90.97070	253.91501	9.92072	0.1567793	0.17545804	3.1600008	21	—	—
234754 2002 OY_{4}	16.5	X	103.65322	112.69299	180.55924	12.21161	0.1892463	0.22198343	2.7014007	21	12 17.6	21.1
234755 2002 OQ_{5}	15.3	X	94.74033	66.48517	271.93598	17.42166	0.1294454	0.17314468	3.1880854	21	—	—
234756 2002 OX_{15}	15.8	X	345.69023	156.17873	206.19560	10.17955	0.1407465	0.21073355	2.7967067	21	9 29.9	18.9
234757 2002 OH_{17}	16.5	X	103.84749	122.97340	170.07333	9.09267	0.2511722	0.22179596	2.7029227	21	12 20.8	21.3
234758 2002 OD_{29}	16.3	X	165.25672	69.06851	133.80745	5.59329	0.1158913	0.21879707	2.7275646	21	10 26.3	20.6
234759 2002 OB_{30}	16.8	X	190.07442	261.96129	20.03038	6.39553	0.2688554	0.23330882	2.6132559	21	—	—
234760 2002 OC_{31}	15.2	X	129.07420	178.16580	165.89104	16.20179	0.0613415	0.17863125	3.1224663	21	—	—
234761 Rainerkracht	16.2	X	154.59851	103.90639	155.05553	6.41994	0.1519662	0.22515930	2.6759385	21	12 20.5	20.6
234762 2002 PL_{1}	15.8	X	27.37408	36.40648	286.02828	11.22622	0.2533862	0.21067761	2.7972018	21	11 2.1	19.2
234763 2002 PX_{9}	15.3	X	79.06632	77.86245	276.70088	9.10120	0.0812227	0.17199399	3.2022891	21	—	—
234764 2002 PL_{21}	15.3	X	29.61536	141.30073	306.47841	26.36929	0.1129850	0.17842769	3.1248407	21	—	—
234765 2002 PJ_{29}	16.6	X	106.81936	126.34302	159.65228	9.47717	0.2065477	0.22112086	2.7084214	21	12 13.2	21.2
234766 2002 PU_{41}	15.6	X	143.58424	175.17577	166.01361	14.13545	0.2614087	0.22836384	2.6508460	21	1 10.2	19.9
234767 2002 PG_{49}	15.9	X	162.15552	142.32736	175.90517	13.37339	0.3539426	0.23129293	2.6284183	21	1 5.7	20.8
234768 2002 PT_{66}	14.9	X	123.67087	197.07626	128.92682	17.26076	0.1047320	0.17624776	3.1505543	21	—	—
234769 2002 PP_{68}	16.0	X	24.33492	131.08082	176.71100	4.40911	0.0582039	0.21007774	2.8025241	21	9 14.3	19.4
234770 2002 PX_{74}	15.8	X	78.38219	121.47315	162.90817	17.29027	0.3104996	0.21585336	2.7523068	21	11 27.6	20.7
234771 2002 PN_{76}	15.8	X	90.79016	287.69566	113.22701	28.96970	0.1762105	0.23241427	2.6199572	21	1 8.8	18.7
234772 2002 PP_{98}	15.3	X	107.95245	289.94780	6.43003	11.87657	0.2029447	0.22072129	2.7116892	21	12 25.3	20.0
234773 2002 PE_{111}	15.2	X	150.77128	197.98530	227.46360	9.85672	0.1204195	0.19025872	2.9939164	21	4 19.5	19.8
234774 2002 PM_{117}	15.9	X	150.10610	101.66325	197.03343	14.98271	0.3097893	0.22754868	2.6571730	21	—	—
234775 2002 PQ_{133}	16.1	X	297.43685	3.45682	322.53132	5.42739	0.0899243	0.20050877	2.8909936	21	5 25.6	20.1
234776 2002 PP_{139}	15.8	X	69.94371	106.98750	185.30682	9.21056	0.1617700	0.21429826	2.7656059	21	11 11.5	19.9
234777 2002 PV_{157}	15.5	X	115.61109	246.44363	129.28912	13.89236	0.0348371	0.18093040	3.0959577	21	1 2.7	20.0
234778 2002 PW_{162}	16.3	X	47.86004	161.28011	129.24740	5.26855	0.0399811	0.21126019	2.7920569	21	9 24.7	20.0
234779 2002 PQ_{169}	16.7	X	90.92233	166.36643	101.35033	3.53491	0.1476621	0.21536817	2.7564389	21	11 1.9	20.9
234780 2002 PK_{178}	15.8	X	136.13758	17.47625	7.95535	4.87985	0.2209016	0.18350699	3.0669096	21	2 28.7	20.6
234781 2002 PP_{184}	16.2	X	229.54083	205.65777	131.44300	11.95670	0.0763204	0.19290463	2.9664767	21	3 27.6	20.8
234782 2002 PX_{184}	16.3	X	8.60177	112.03287	171.48797	6.89443	0.0073859	0.20486859	2.8498312	21	7 16.4	20.2
234783 2002 PJ_{186}	15.9	X	232.80518	34.06162	14.56442	5.82974	0.0698747	0.20174129	2.8792068	21	6 25.3	20.1
234784 2002 PN_{188}	16.3	X	77.15318	283.01092	356.65881	3.51650	0.0655737	0.21399426	2.7682244	21	10 19.7	20.2
234785 2002 PS_{188}	16.8	X	217.02114	13.03392	52.72308	2.83176	0.0197896	0.20189685	2.8777276	21	7 3.2	20.9
234786 2002 QY_{3}	15.7	X	121.51011	294.61975	312.25524	11.81241	0.1388702	0.21643625	2.7473631	21	10 30.8	20.3
234787 2002 QL_{4}	15.7	X	204.57895	46.02070	312.49082	7.82069	0.1044557	0.18990553	2.9976273	21	3 19.8	20.5
234788 2002 QD_{20}	15.6	X	200.61864	155.27734	215.65219	8.24327	0.1540725	0.18888341	3.0084318	21	4 1.7	20.6
234789 2002 QV_{22}	15.1	X	176.50403	128.72763	135.23563	10.06227	0.0583141	0.17497992	3.1657545	21	—	—
234790 2002 QE_{23}	15.7	X	134.11239	57.22533	328.18651	9.85689	0.1502977	0.18319477	3.0703932	21	2 18.3	20.2
234791 2002 QN_{37}	16.5	X	285.70003	284.85933	32.13032	2.34637	0.0568644	0.19439387	2.9513067	21	5 4.6	20.7
234792 2002 QR_{47}	16.0	X	18.92819	297.84936	46.00189	3.73773	0.1106863	0.21263818	2.7799813	21	10 31.4	19.4
234793 2002 QF_{50}	15.8	X	226.43714	348.51628	94.07913	3.12073	0.0577551	0.20299644	2.8673262	21	8 2.7	20.0
234794 2002 QX_{53}	15.0	X	188.17049	141.63553	133.72433	11.42996	0.0197077	0.17583954	3.1554286	21	—	—
234795 2002 QR_{61}	16.3	X	349.24863	356.64017	330.38835	1.33126	0.0729149	0.20658245	2.8340474	21	8 18.2	19.7
234796 2002 QK_{62}	15.9	X	101.80114	301.81758	325.92253	7.28652	0.1105776	0.21632815	2.7482782	21	11 5.5	20.1
234797 2002 QZ_{62}	16.4	X	28.56016	321.07398	353.01613	4.57529	0.1545432	0.21136303	2.7911512	21	10 11.1	19.8
234798 2002 QO_{69}	15.9	X	269.57012	340.99853	40.77522	2.27370	0.0625387	0.20282919	2.8689022	21	7 6.9	19.7
234799 2002 QV_{71}	16.1	X	66.61147	98.04455	161.57800	4.69469	0.0633745	0.20917550	2.8105771	21	9 10.6	19.9
234800 2002 QQ_{73}	16.4	X	113.50452	259.70442	33.33673	5.33613	0.1426484	0.22133449	2.7066784	21	12 23.0	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234801 2002 QB_{78}	16.3	X	8.62809	159.50222	170.86700	5.56439	0.0901942	0.21039842	2.7996757	21	9 24.7	19.5
234802 2002 QN_{78}	16.3	X	320.98193	358.85118	331.31398	4.96117	0.1674173	0.20388601	2.8589799	21	6 26.7	19.5
234803 2002 QT_{78}	15.8	X	148.00696	96.20955	222.94193	5.42541	0.1176106	0.17808939	3.1287968	21	—	—
234804 2002 QD_{83}	16.2	X	20.87634	98.17994	300.37039	7.62615	0.1007690	0.16856820	3.2455300	21	12 31.6	20.6
234805 2002 QY_{85}	16.0	X	32.25680	175.25225	106.56728	6.95256	0.0318914	0.20572243	2.8419403	21	8 20.7	19.8
234806 2002 QN_{88}	16.1	X	355.02060	271.84225	95.40356	4.57506	0.1062285	0.21180497	2.7872673	21	10 25.7	19.3
234807 2002 QK_{94}	15.1	X	55.71935	92.35703	339.68645	12.70155	0.0267373	0.17863910	3.1223748	21	—	—
234808 2002 QT_{95}	16.1	X	103.71087	323.81119	112.64103	7.01519	0.2203868	0.18397870	3.0616651	21	3 30.9	20.6
234809 2002 QV_{97}	16.3	X	140.67029	42.63155	175.75761	6.25267	0.0426496	0.21403715	2.7678546	21	10 17.2	20.2
234810 2002 QX_{100}	16.3	X	309.31197	1.66835	349.92456	15.29264	0.1465758	0.20483049	2.8501845	21	7 14.1	20.1
234811 2002 QU_{101}	16.2	X	83.10114	79.66220	345.42547	15.04383	0.2472680	0.17743664	3.1364654	21	2 22.9	20.2
234812 2002 QQ_{102}	16.0	X	82.17836	248.69658	57.30996	5.42384	0.1248261	0.21850046	2.7300324	21	12 5.7	20.0
234813 2002 QJ_{112}	16.2	X	353.51158	148.72817	166.75090	7.81115	0.0942260	0.20628621	2.8367599	21	8 7.6	19.6
234814 2002 QD_{114}	16.0	X	45.84281	59.08229	229.14568	4.80945	0.0186695	0.20912716	2.8110102	21	9 11.4	19.9
234815 2002 QN_{114}	15.9	X	213.51535	199.92868	178.47537	10.70889	0.0943499	0.19370342	2.9583157	21	4 27.3	20.5
234816 2002 QG_{128}	16.5	X	69.00738	334.36003	98.23076	2.97481	0.2196028	0.17835438	3.1256970	21	2 4.9	20.2
234817 2002 QT_{132}	14.9	X	200.14085	305.23517	320.24830	14.09927	0.0804616	0.17557695	3.1585739	21	—	—
234818 2002 QL_{136}	16.5	X	336.09810	261.67714	54.16881	2.88556	0.0403207	0.20437784	2.8543913	21	7 15.1	20.1
234819 2002 RS_{17}	15.5	X	218.81864	28.76859	348.34114	12.41982	0.1688590	0.19226738	2.9730279	21	4 20.9	20.6
234820 2002 RV_{21}	15.8	X	312.51162	314.22377	0.93857	5.87685	0.1941779	0.19977908	2.8980289	21	5 16.3	19.4
234821 2002 RT_{34}	16.0	X	341.38507	177.24551	145.04878	5.70270	0.2042001	0.20455537	2.8527396	21	7 21.3	18.8
234822 2002 RC_{45}	15.7	X	143.50324	233.95999	134.67577	5.93751	0.1784433	0.18055301	3.1002703	21	2 11.5	20.6
234823 2002 RP_{58}	16.0	X	63.21549	117.52881	189.56280	8.91292	0.2633247	0.21509468	2.7587749	21	12 3.9	20.3
234824 2002 RV_{73}	15.6	X	84.47585	84.97882	338.99658	14.29100	0.2536387	0.17764166	3.1340518	21	2 23.1	19.7
234825 2002 RV_{79}	16.0	X	223.40146	196.24604	182.05378	4.33627	0.1661661	0.19287920	2.9667374	21	5 2.4	20.8
234826 2002 RM_{83}	15.2	X	208.16681	217.33082	174.62958	10.36777	0.1082776	0.19175449	2.9783268	21	5 8.4	19.9
234827 2002 RE_{87}	16.1	X	136.06200	106.35713	179.57212	26.36808	0.3276453	0.22329862	2.6907831	21	—	—
234828 2002 RG_{89}	15.6	X	114.57696	45.08472	157.89191	6.56654	0.0665212	0.20554193	2.8436038	21	8 27.7	19.6
234829 2002 RB_{98}	15.6	X	50.26999	134.30194	190.84359	13.19325	0.2186700	0.21297288	2.7770680	21	12 6.2	19.7
234830 2002 RB_{110}	15.3	X	112.43151	182.68747	213.28644	7.96544	0.1432536	0.17820583	3.1274337	21	2 4.6	20.0
234831 2002 RG_{120}	15.8	X	347.57144	187.88490	128.69173	12.03522	0.0737843	0.20472648	2.8511498	21	7 31.8	19.3
234832 2002 RF_{125}	15.4	X	169.43686	224.96859	164.11248	16.23480	0.0933871	0.18511101	3.0491670	21	3 27.2	20.1
234833 2002 RG_{132}	15.2	X	318.01088	20.56348	286.27803	10.86606	0.0201500	0.19634750	2.9316973	21	6 8.8	19.2
234834 2002 RV_{139}	15.2	X	123.33164	295.35803	123.09662	17.46604	0.2317409	0.18148157	3.0896861	21	4 3.5	20.3
234835 2002 RJ_{140}	15.6	X	20.85007	252.27876	75.60427	9.25528	0.1052681	0.21009288	2.8023894	21	10 16.3	19.1
234836 2002 RJ_{144}	15.8	X	140.40157	92.22744	349.06787	9.75555	0.1443757	0.18818566	3.0158636	21	4 27.9	20.6
234837 2002 RT_{144}	16.1	X	298.55520	98.18359	227.82070	1.07273	0.0987089	0.19744035	2.9208691	21	5 27.4	19.8
234838 2002 RL_{145}	15.8	X	318.65670	219.14342	122.47883	3.20285	0.0702821	0.20207383	2.8760471	21	7 20.9	19.4
234839 2002 RQ_{150}	15.4	X	281.75420	352.41647	321.52258	9.29946	0.0904898	0.19302580	2.9652352	21	4 16.6	19.7
234840 2002 RZ_{161}	15.9	X	255.86895	192.75245	165.26893	5.91217	0.0283243	0.19600257	2.9351359	21	5 25.3	20.1
234841 2002 RM_{174}	15.7	X	124.07326	217.47578	220.69940	4.89087	0.1814853	0.18568511	3.0428789	21	4 14.7	20.4
234842 2002 RY_{177}	15.7	X	245.28781	343.64887	333.02271	7.85505	0.1106579	0.18813144	3.0164430	21	3 11.7	20.3
234843 2002 RT_{179}	16.4	X	126.66418	269.06557	126.66604	0.11752	0.1844779	0.17963871	3.1107809	21	2 27.3	21.0
234844 2002 RL_{181}	15.8	X	58.41783	56.64034	358.12173	26.37746	0.2345525	0.17198926	3.2023477	21	1 1.3	19.9
234845 2002 RJ_{182}	15.2	X	136.84211	93.04821	296.65455	15.69479	0.1569139	0.18106847	3.0943836	21	2 21.2	20.2
234846 2002 RB_{187}	15.5	X	161.01818	69.88813	322.22298	8.74355	0.2192147	0.18435556	3.0574912	21	3 24.5	20.8
234847 2002 RF_{187}	15.1	X	181.60276	289.69637	347.94319	24.95331	0.2220133	0.17454360	3.1710281	21	—	—
234848 2002 RN_{193}	15.7	X	174.75793	249.65597	116.39338	3.36989	0.1168986	0.18493907	3.0510566	21	3 5.5	20.5
234849 2002 RH_{194}	15.8	X	150.57079	269.56121	162.21709	5.74405	0.1531400	0.18892738	3.0079650	21	5 2.4	20.6
234850 2002 RG_{209}	16.4	X	347.52435	311.32692	4.84652	9.91942	0.0862576	0.20231103	2.8737987	21	8 3.6	20.0
234851 2002 RG_{215}	14.8	X	198.63424	0.67938	11.25646	17.68590	0.0552814	0.18973823	2.9993892	21	4 2.3	19.3
234852 2002 RD_{216}	15.5	X	107.47684	153.43621	123.40075	9.71766	0.1195867	0.21744943	2.7388224	21	11 28.3	19.8
234853 2002 RU_{220}	16.0	X	135.85203	237.34843	28.83722	5.08963	0.1368622	0.21997932	2.7177832	21	12 10.8	20.4
234854 2002 RJ_{228}	15.2	X	211.42119	283.61242	119.93581	12.72910	0.1044496	0.19537921	2.9413756	21	5 26.9	19.9
234855 2002 RZ_{228}	15.7	X	165.09230	24.45200	343.67897	8.30302	0.1904262	0.18228898	3.0805559	21	3 2.5	20.8
234856 2002 RQ_{232}	15.8	X	52.67155	161.27524	342.57307	13.12911	0.1137697	0.18566074	3.0431452	21	3 23.4	19.7
234857 2002 RR_{235}	16.1	X	9.88104	319.67701	296.88230	2.98724	0.0635025	0.19791601	2.9161874	21	6 14.2	19.8
234858 2002 RK_{238}	15.4	X	117.43119	227.45282	356.46962	11.26598	0.1263004	0.21051874	2.7986089	21	9 30.8	19.8
234859 2002 RH_{246}	16.3	X	133.70199	1.37596	59.45402	1.94955	0.1009086	0.18751116	3.0230916	21	3 27.1	20.6
234860 2002 RL_{253}	16.3	X	107.02491	198.40052	321.33729	4.82282	0.0118729	0.19711234	2.9241086	21	6 15.3	20.3
234861 2002 RP_{259}	16.3	X	159.35492	336.94891	100.60302	2.70094	0.1317897	0.19173300	2.9785494	21	5 15.3	21.1
234862 2002 RA_{262}	15.7	X	66.01112	113.91636	326.65139	8.11222	0.2233212	0.17615978	3.1516033	21	2 10.9	19.3
234863 2002 RD_{262}	16.3	X	289.04595	168.28159	200.00351	9.13805	0.0384433	0.20107184	2.8855939	21	7 16.6	20.3
234864 2002 RN_{267}	16.6	X	108.77180	91.63547	174.45386	3.99993	0.2882327	0.21660312	2.7459518	21	11 25.4	21.4
234865 2002 RK_{268}	16.5	X	332.55713	229.69701	135.51870	0.92063	0.0892082	0.20851874	2.8164755	21	9 12.9	19.9
234866 2002 RQ_{270}	16.7	X	292.78915	99.84408	261.76072	1.28834	0.0267104	0.20293214	2.8679318	21	7 16.4	20.4
234867 2002 SS_{23}	15.0	X	223.27668	220.27518	171.77151	9.37027	0.0506919	0.19300888	2.9654085	21	5 27.4	19.4
234868 2002 SD_{25}	14.9	X	153.72507	358.43015	17.76759	22.06627	0.0463863	0.18118462	3.0930611	21	2 28.4	19.7
234869 2002 SC_{27}	15.3	X	143.58953	244.83776	165.03756	10.03834	0.0730692	0.18303409	3.0721900	21	3 22.6	19.8
234870 2002 SD_{27}	15.6	X	191.22258	226.17943	157.08760	7.17463	0.1393182	0.18677207	3.0310616	21	4 11.5	20.5
234871 2002 SK_{28}	15.0	X	258.86370	241.79068	64.61506	12.84823	0.1283614	0.18520502	3.0481351	21	3 20.4	19.8
234872 2002 SO_{29}	15.6	X	315.17023	301.67360	23.69065	8.78111	0.0887877	0.19771790	2.9181350	21	6 20.7	19.5
234873 2002 SJ_{48}	15.7	X	245.52244	333.69756	27.93829	11.74147	0.1401784	0.19298477	2.9656555	21	5 2.5	20.3
234874 2002 SW_{60}	15.5	X	143.32313	289.36798	153.89606	9.58361	0.0255740	0.19018750	2.9946637	21	4 28.9	19.9
234875 2002 SB_{61}	15.7	X	144.24718	249.54178	146.84504	8.78663	0.1457106	0.18277561	3.0750856	21	3 14.7	20.5
234876 2002 SZ_{64}	16.5	X	62.89710	266.25353	119.88593	6.60199	0.0665511	0.22397939	2.6853280	21	—	—
234877 2002 TT	15.4	X	114.96998	235.03845	170.24748	12.60221	0.1739154	0.17889416	3.1194063	21	2 24.1	20.1
234878 2002 TF_{30}	15.1	X	150.43306	197.66080	211.78432	11.15879	0.1544170	0.18265492	3.0764401	21	4 2.9	20.0
234879 2002 TG_{43}	15.4	X	176.25171	279.61220	153.95037	10.60215	0.0790152	0.19327275	2.9627088	21	5 27.2	20.1
234880 2002 TK_{43}	15.3	X	186.31800	147.48247	220.52595	10.82295	0.1002740	0.18252303	3.0779220	21	3 14.2	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234881 2002 TS_{50}	14.9	X	275.56280	225.48602	224.73501	15.63128	0.2043995	0.15040715	3.5017923	21	9 11.0	20.1
234882 2002 TD_{56}	15.5	X	210.91205	27.87912	355.69259	9.53922	0.0946500	0.18990704	2.9976114	21	4 25.8	20.3
234883 2002 TW_{61}	15.1	X	240.77457	86.24826	258.80517	8.30893	0.0186655	0.18939935	3.0029658	21	4 17.4	19.4
234884 2002 TR_{74}	15.7	X	275.71282	322.09825	39.58209	9.81039	0.1252195	0.19767215	2.9185853	21	6 7.6	19.9
234885 2002 TC_{81}	15.3	X	240.08669	299.31066	58.93334	11.05017	0.1198450	0.19012550	2.9953148	21	4 28.6	19.9
234886 2002 TL_{88}	15.5	X	125.79224	72.38952	339.38611	7.96105	0.1837608	0.17999987	3.1066185	21	3 15.8	20.3
234887 2002 TB_{100}	15.3	X	80.08657	111.40188	314.50305	15.37199	0.2359351	0.17713002	3.1400840	21	2 13.9	19.3
234888 2002 TW_{106}	15.5	X	223.56351	316.99000	22.87663	10.08594	0.0841767	0.18570008	3.0427153	21	3 23.2	20.1
234889 2002 TB_{113}	15.3	X	333.92760	25.91252	24.30627	5.58592	0.1020220	0.15786144	3.3906686	21	11 3.6	19.5
234890 2002 TP_{113}	14.9	X	252.63225	40.08068	309.17558	10.55838	0.0832508	0.19211250	2.9746256	21	4 27.7	19.5
234891 2002 TM_{116}	14.9	X	50.79267	117.23370	354.86605	23.24854	0.2312737	0.17502276	3.1652380	21	3 2.7	18.4
234892 2002 TC_{128}	15.1	X	304.12105	22.62576	277.34843	8.61109	0.0694807	0.19325288	2.9629119	21	5 2.9	19.3
234893 2002 TH_{135}	15.6	X	156.10723	18.26134	342.71563	10.56215	0.1225423	0.17913670	3.1165900	21	2 11.5	20.4
234894 2002 TA_{137}	15.2	X	227.05611	16.02863	339.14553	9.45309	0.1299001	0.18816828	3.0160493	21	4 5.7	20.2
234895 2002 TJ_{146}	15.3	X	171.03652	157.06848	219.39317	8.84839	0.1006454	0.18355306	3.0663965	21	3 9.4	20.1
234896 2002 TM_{160}	15.4	X	192.71117	241.81710	152.26659	15.86447	0.1122414	0.18708072	3.0277268	21	4 28.4	20.4
234897 2002 TH_{171}	15.1	X	35.06999	97.92094	339.90669	17.70263	0.1406420	0.17002326	3.2269865	21	—	—
234898 2002 TK_{177}	14.8	X	106.46681	291.28172	117.14667	17.36304	0.2150692	0.17458918	3.1704763	21	3 1.3	19.5
234899 2002 TO_{185}	15.4	X	120.65608	85.82489	326.89265	8.54455	0.1313593	0.18072188	3.0983387	21	3 5.0	20.0
234900 2002 TM_{189}	15.8	X	94.68120	91.78623	315.56188	8.59826	0.2350919	0.17591399	3.1545382	21	2 12.2	20.1
234901 2002 TG_{194}	15.7	X	80.95306	53.98765	18.52755	7.34266	0.2196052	0.17539781	3.1607242	21	2 26.0	19.8
234902 2002 TH_{219}	15.3	X	191.64633	157.88648	236.44448	10.73624	0.1365704	0.18841927	3.0133703	21	4 21.4	20.2
234903 2002 TV_{228}	15.7	X	149.70006	333.66521	82.73925	4.63510	0.1132448	0.18380823	3.0635579	21	4 10.6	20.4
234904 2002 TL_{231}	15.6	X	146.66869	333.11505	66.57931	10.15221	0.0731912	0.18454815	3.0553637	21	3 17.8	20.3
234905 2002 TG_{244}	16.2	X	335.70095	270.51191	4.07103	2.34672	0.0356501	0.19149578	2.9810087	21	5 19.7	20.1
234906 2002 TA_{246}	15.5	X	259.78758	170.99985	168.60621	10.07685	0.0880107	0.19037455	2.9927019	21	4 30.6	19.9
234907 2002 TZ_{250}	14.9	X	173.83102	322.21660	44.95462	20.68133	0.0844325	0.17890113	3.1193252	21	3 15.2	20.0
234908 2002 TN_{252}	15.4	X	246.85407	168.07962	173.97775	13.01654	0.0838595	0.18988577	2.9978352	21	4 19.4	19.9
234909 2002 TZ_{265}	15.3	X	184.25330	307.32245	55.34873	19.31576	0.3673870	0.18190767	3.0848594	21	3 25.1	21.4
234910 2002 TW_{271}	15.4	X	169.93791	208.36527	217.92585	9.06638	0.0825708	0.18866085	3.0107973	21	5 9.7	19.9
234911 2002 TJ_{276}	15.4	X	229.28262	119.71231	219.15970	10.84480	0.1409250	0.18671280	3.0317030	21	3 19.6	20.3
234912 2002 TZ_{277}	15.2	X	214.28897	74.18223	270.53164	9.35866	0.1055680	0.18490727	3.0514065	21	3 11.9	20.2
234913 2002 TB_{283}	15.3	X	187.02216	91.42460	266.56809	9.66727	0.2165675	0.18228264	3.0806274	21	3 4.4	20.8
234914 2002 TZ_{299}	15.8	X	122.28616	268.04061	164.41098	10.84077	0.1611496	0.18202109	3.0835778	21	4 6.8	20.5
234915 2002 TH_{319}	16.1	X	169.78236	102.06021	317.68190	2.79073	0.1257981	0.18995873	2.9970677	21	5 1.6	20.9
234916 2002 TE_{321}	16.2	X	262.59283	8.57241	335.22508	2.37645	0.1060834	0.19425313	2.9527321	21	5 3.0	20.6
234917 2002 TK_{324}	15.7	X	40.09109	83.84840	14.92100	1.47140	0.1039270	0.17582396	3.1556150	21	1 10.8	19.5
234918 2002 TG_{331}	16.1	X	259.45613	327.25911	168.82342	5.68922	0.0080001	0.21399689	2.7682017	21	11 29.4	19.9
234919 2002 TJ_{333}	16.3	X	157.82957	214.14488	33.39232	8.45599	0.2236512	0.21878259	2.7276849	21	12 6.3	21.1
234920 2002 TK_{350}	15.4	X	45.57198	187.90368	196.70244	16.26751	0.0840702	0.16951458	3.2334391	21	—	—
234921 2002 TZ_{353}	15.4	X	239.39563	52.01506	190.18634	15.52068	0.1828390	0.17877998	3.1207343	21	—	—
234922 2002 TX_{364}	15.8	X	234.64886	235.38672	176.64500	12.05951	0.0060135	0.19704350	2.9247897	21	7 7.9	20.1
234923 2002 TR_{382}	15.5	X	251.40117	267.20735	82.48512	9.76625	0.1154860	0.18989318	2.9977573	21	5 1.4	20.1
234924 2002 TX_{382}	15.3	X	182.68195	185.87051	218.92669	10.30087	0.0098934	0.18605560	3.0388381	21	4 24.4	19.7
234925 2002 UK_{2}	15.3	X	111.46636	62.84973	321.63353	25.19494	0.2914692	0.17402586	3.1773144	21	2 11.7	20.1
234926 2002 UK_{5}	15.6	X	96.87002	16.53455	43.89204	18.15831	0.2139048	0.17651685	3.1473517	21	3 10.2	20.3
234927 2002 UW_{9}	17.5	X	284.78656	9.54963	64.06001	4.62602	0.1420479	0.30944018	2.1648023	21	10 10.4	19.4
234928 2002 UB_{11}	17.4	X	308.56527	55.37842	26.13063	5.07238	0.0679610	0.31501905	2.1391677	21	12 12.1	19.3
234929 2002 UP_{14}	15.6	X	322.55352	274.72706	55.52428	7.31512	0.2091097	0.19992453	2.8966231	21	6 22.9	18.9
234930 2002 UW_{21}	16.2	X	134.12714	115.39224	226.82086	3.83018	0.2911645	0.22499438	2.6772459	21	1 6.9	20.2
234931 2002 UZ_{24}	15.8	X	182.59798	36.07400	36.74547	12.91139	0.0931648	0.18978408	2.9989060	21	5 28.7	20.5
234932 2002 UY_{26}	15.2	X	138.34718	0.12927	52.95878	19.34070	0.0959828	0.18098754	3.0953060	21	3 31.9	20.1
234933 2002 UL_{27}	14.7	X	298.75990	67.15900	233.73079	10.28464	0.1007212	0.18975173	2.9992469	21	4 23.8	18.9
234934 2002 UG_{28}	15.7	X	248.06680	176.01736	179.50079	8.24335	0.1683657	0.19063281	2.9899984	21	4 28.5	20.4
234935 2002 UW_{28}	15.4	X	224.79328	286.13306	75.61691	9.50466	0.1248654	0.18769565	3.0211103	21	4 19.0	20.2
234936 2002 UC_{35}	15.5	X	159.25914	234.06007	192.88539	13.67208	0.1312994	0.18479760	3.0526136	21	5 3.6	20.4
234937 2002 UW_{69}	15.3	X	352.06333	116.64675	148.68479	9.52517	0.0601494	0.19209620	2.9747938	21	6 1.1	19.3
234938 2002 VC_{10}	15.4	X	209.25438	30.42283	13.57878	10.41311	0.1336427	0.18936872	3.0032897	21	5 18.5	20.3
234939 2002 VM_{20}	15.3	X	230.67752	118.20227	249.86587	5.15321	0.1659380	0.18685288	3.0301876	21	4 24.9	20.3
234940 2002 VT_{28}	15.4	X	134.51836	291.19709	73.15966	2.48928	0.2642546	0.17515931	3.1635928	21	2 7.8	20.4
234941 2002 VO_{29}	15.9	X	188.36830	70.62357	296.53904	1.89522	0.2580468	0.18263749	3.0766358	21	3 20.3	21.3
234942 2002 VC_{38}	15.3	X	221.00051	273.83302	83.64627	10.06143	0.1007283	0.18629165	3.0362704	21	4 12.5	20.1
234943 2002 VT_{38}	15.1	X	137.85301	328.47332	69.12188	17.98597	0.2074898	0.17840642	3.1250890	21	3 24.4	20.4
234944 2002 VB_{42}	15.3	X	211.30412	246.14354	88.58450	9.34272	0.2119451	0.18231247	3.0802914	21	3 4.9	20.7
234945 2002 VY_{50}	15.8	X	232.58443	178.81599	184.58887	7.47681	0.1990960	0.18960110	3.0008352	21	4 21.2	20.7
234946 2002 VE_{56}	15.4	X	188.67058	300.11735	76.93688	11.40469	0.1182401	0.18320564	3.0702718	21	4 5.5	20.4
234947 2002 VV_{66}	15.1	X	104.02203	34.60894	49.86468	10.90480	0.0578524	0.17872181	3.1214113	21	3 21.3	19.6
234948 2002 VF_{68}	15.9	X	232.47401	168.50592	189.91985	4.13323	0.1968407	0.18854442	3.0120367	21	4 14.7	20.9
234949 2002 VL_{68}	15.1	X	92.93194	45.85862	22.53683	26.39024	0.1673363	0.17518500	3.1632834	21	3 11.8	19.8
234950 2002 VH_{69}	15.4	X	169.37359	339.69816	40.79991	17.02261	0.1572126	0.18033821	3.1027317	21	3 25.9	20.6
234951 2002 VL_{86}	15.1	X	176.44334	124.60480	241.10282	5.38025	0.1437463	0.18083141	3.0970875	21	3 4.7	20.2
234952 2002 VQ_{95}	15.3	X	232.50349	9.61537	338.80328	8.92437	0.1468276	0.18633702	3.0357776	21	4 2.4	20.3
234953 2002 VB_{97}	15.2	X	134.74603	6.88480	26.63381	17.51075	0.1640517	0.17683134	3.1436189	21	3 10.5	20.2
234954 2002 VL_{124}	15.6	X	203.43146	192.15376	184.87845	9.45330	0.0876165	0.18443220	3.0566442	21	4 15.3	20.4
234955 2002 VF_{140}	15.3	X	115.73254	166.35262	272.87937	8.97833	0.0229795	0.18041411	3.1018613	21	3 13.9	19.9
234956 2002 VL_{140}	15.8	X	252.49655	12.02154	347.50068	8.76242	0.1329251	0.19054071	2.9909617	21	5 6.4	20.4
234957 2002 VK_{147}	16.0	X	127.96217	80.26289	353.40658	2.29123	0.0525903	0.18243207	3.0789450	21	3 29.9	20.3
234958 2002 WD_{4}	15.4	X	68.61741	48.45377	62.50143	5.91392	0.1694703	0.17356085	3.1829870	21	3 21.4	19.4
234959 2002 WC_{8}	15.6	X	140.09788	250.14316	116.16490	2.13362	0.1613589	0.17350399	3.1836825	21	2 4.9	20.6
234960 2002 WS_{13}	17.0	X	8.50722	193.69919	163.51142	4.04291	0.1567812	0.31088986	2.1580675	21	12 1.4	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
234961 2002 WO_{14}	15.3	X	204.48789	213.18146	163.00671	8.19975	0.2367487	0.18496592	3.0507613	21	4 13.9	20.7
234962 2002 WG_{18}	15.1	X	115.07323	239.31108	158.36780	9.49467	0.0777323	0.17418513	3.1753772	21	2 3.3	19.7
234963 2002 WU_{29}	16.1	X	133.70008	300.95558	106.12271	3.93460	0.1948438	0.17871621	3.1214766	21	3 22.4	21.0
234964 2002 XH_{5}	15.9	X	49.40209	66.41115	77.27770	24.04938	0.2867152	0.27469551	2.3436981	21	4 12.1	18.2
234965 2002 XQ_{5}	15.4	X	188.42159	188.95701	175.62310	9.31967	0.1804914	0.18140261	3.0905826	21	3 17.2	20.3
234966 2002 XM_{7}	15.6	X	80.16426	60.61202	325.96480	7.30425	0.1907182	0.16904191	3.2394638	21	—	—
234967 2002 XQ_{15}	15.2	X	247.80561	348.10629	338.12099	10.16314	0.2104890	0.18636562	3.0354670	21	3 17.6	20.2
234968 2002 XR_{65}	16.0	X	78.92027	172.13690	318.81882	19.59205	0.1493206	0.28317862	2.2966549	21	3 28.9	18.9
234969 2002 XV_{76}	15.4	X	103.46425	71.14661	348.05624	4.27215	0.1430721	0.17308309	3.1888416	21	2 25.8	19.7
234970 2002 XG_{89}	15.1	X	100.35501	175.65925	236.42869	11.26792	0.0985237	0.17174478	3.2053861	21	2 2.8	19.8
234971 2002 XS_{105}	17.3	X	201.49264	60.16161	39.81755	4.45815	0.1636778	0.29823761	2.2186788	21	7 23.8	20.7
234972 2002 YH_{2}	16.0	X	41.42604	124.34344	19.06987	21.96268	0.2062931	0.27551710	2.3390365	21	3 4.5	18.1
234973 2002 YA_{5}	16.0	X	89.03019	3.54487	54.98518	24.74456	0.2639406	0.27380515	2.3487762	21	2 14.9	19.0
234974 2002 YD_{5}	15.8	X	171.56458	358.39738	27.66719	24.51134	0.1998101	0.28035331	2.3120590	21	3 28.7	19.7
234975 2002 YG_{14}	16.9	X	110.62057	202.41184	152.35493	2.06321	0.1740682	0.32297115	2.1039087	21	—	—
234976 2002 YW_{24}	16.8	X	246.23319	154.53779	290.78295	2.97982	0.1210717	0.30070714	2.2065150	21	8 26.5	19.4
234977 2002 YX_{25}	17.4	X	258.99581	332.11481	103.18119	5.74744	0.0900723	0.30110357	2.2045779	21	9 8.4	19.9
234978 2003 AL_{3}	14.9	X	40.07356	304.09216	74.57528	34.66198	0.2057235	0.21628591	2.7486360	21	—	—
234979 2003 AR_{14}	16.4	X	22.74291	280.35801	238.94772	7.39908	0.1763198	0.27319624	2.3522650	21	1 28.1	18.4
234980 2003 AO_{16}	15.2	X	170.34144	331.09149	109.30294	18.02164	0.2610630	0.18157469	3.0886297	21	6 4.6	20.8
234981 2003 AB_{33}	16.9	X	200.87132	10.47594	64.37108	3.79272	0.1489106	0.29227825	2.2487355	21	6 18.0	20.1
234982 2003 AE_{33}	17.2	X	34.70794	90.26279	48.23904	3.14136	0.1026250	0.27486293	2.3427463	21	1 28.9	19.4
234983 2003 AJ_{33}	17.0	X	220.06259	92.89211	312.39214	3.49251	0.2155258	0.29203514	2.2499834	21	5 24.6	20.7
234984 2003 AM_{52}	14.7	X	10.07728	345.41944	99.55812	17.74849	0.0667124	0.15742967	3.3968653	21	—	—
234985 2003 AS_{59}	16.1	X	47.30134	7.44527	124.86163	24.47953	0.2031918	0.27321920	2.3521332	21	2 17.6	17.9
234986 2003 AY_{63}	15.8	X	66.62383	113.97226	324.49692	23.42372	0.2484297	0.27259813	2.3557044	21	1 18.1	17.7
234987 2003 AJ_{82}	16.0	X	185.82584	13.95061	78.97483	24.69546	0.1980145	0.28963462	2.2623983	21	6 25.4	19.7
234988 2003 AE_{94}	17.0	X	56.38948	191.99157	6.38686	7.50861	0.1549421	0.28376851	2.2934710	21	6 15.5	19.3
234989 2003 BA_{6}	17.7	X	140.51401	353.35844	138.83703	0.85783	0.1590211	0.28897081	2.2658617	21	7 4.6	21.1
234990 2003 BX_{9}	16.8	X	209.82888	203.10535	226.50635	4.59787	0.1323945	0.29225906	2.2488340	21	6 20.9	20.1
234991 2003 BW_{15}	16.5	X	101.26332	109.98567	12.30918	6.80830	0.1237956	0.28002620	2.3138593	21	4 27.8	19.2
234992 2003 BE_{17}	16.4	X	5.25579	247.57399	333.12918	22.33425	0.1331869	0.27737681	2.3285699	21	3 22.6	19.0
234993 2003 BY_{41}	14.9	X	122.11573	340.72140	151.99976	22.89761	0.0094801	0.17904106	3.1176998	21	6 4.6	19.8
234994 2003 BX_{44}	16.6	X	46.65102	14.90520	104.09004	3.58029	0.0751722	0.27244657	2.3565780	21	1 21.4	19.0
234995 2003 BP_{60}	15.3	X	265.92981	258.09298	143.09579	14.50408	0.0984392	0.18741817	3.0240914	21	7 21.3	19.7
234996 2003 BM_{61}	15.3	X	138.17849	128.59184	340.66592	27.15240	0.2147976	0.17739538	3.1369518	21	6 5.5	21.0
234997 2003 BR_{61}	16.3	X	93.72162	43.53542	149.28767	22.52204	0.1237593	0.28616775	2.2806340	21	7 29.6	19.4
234998 2003 BQ_{67}	16.8	X	235.05986	116.47703	307.28536	5.90233	0.1151170	0.29424221	2.2387180	21	7 14.0	19.8
234999 2003 BB_{74}	17.4	X	128.45836	50.89244	74.54832	6.97769	0.1273004	0.28580299	2.2825740	21	6 8.7	20.4
235000 2003 BR_{82}	17.1	X	164.33926	55.77758	53.41568	5.04547	0.1776567	0.28991094	2.2609605	21	6 28.6	20.6
235001 2003 BT_{83}	16.8	X	159.15238	78.86216	27.18723	6.19994	0.0830439	0.28689897	2.2767572	21	6 13.7	20.0
235002 2003 BK_{87}	16.9	X	104.28304	36.75971	149.03824	9.17038	0.1635347	0.28705756	2.2759186	21	8 7.4	20.0
235003 2003 CL_{7}	14.8	X	191.16498	278.93664	143.35386	18.59908	0.2474346	0.18012809	3.1051440	21	5 30.3	20.6
235004 2003 CJ_{12}	16.8	X	5.73702	164.76909	300.01232	4.19689	0.1121354	0.26459801	2.4029515	21	—	—
235005 2003 CW_{17}	17.4	X	129.49541	81.52066	155.84557	5.50754	0.1423211	0.29921074	2.2138656	21	11 12.5	20.7
235006 2003 CX_{25}	17.2	X	147.60609	317.96526	160.04792	6.88762	0.1046429	0.28638832	2.2794628	21	6 19.2	20.4
235007 2003 DD_{8}	16.8	X	10.09154	287.35737	341.46923	7.51382	0.0966754	0.28497528	2.2869917	21	7 3.3	19.1
235008 2003 DQ_{9}	16.7	X	55.94992	61.10348	161.84591	7.41645	0.2151077	0.28172299	2.3045592	21	8 2.9	19.2
235009 2003 DB_{12}	17.0	X	348.02834	122.33639	155.85893	8.09412	0.1002410	0.28312795	2.2969289	21	6 4.9	19.4
235010 2003 DV_{13}	16.7	X	231.08025	83.12162	12.25959	5.91814	0.0694269	0.29509122	2.2344220	21	8 31.3	19.5
235011 2003 DR_{21}	16.7	X	2.04396	85.76346	166.11583	7.12869	0.2486162	0.27842140	2.3227420	21	5 12.3	18.0
235012 2003 EZ_{2}	17.0	X	324.85928	168.40541	6.22679	4.97266	0.1682549	0.26611624	2.3938033	21	—	—
235013 2003 EM_{4}	16.7	X	113.98426	202.69936	322.52597	6.19651	0.0999811	0.28530461	2.2852314	21	7 14.9	19.8
235014 2003 ES_{4}	16.8	X	350.37946	275.95708	4.86342	6.74479	0.1128629	0.28253108	2.3001628	21	6 10.3	19.0
235015 2003 EC_{11}	16.3	X	81.66293	29.40520	188.33979	6.65073	0.1433844	0.28593610	2.2818656	21	8 20.3	19.2
235016 2003 EC_{18}	16.2	X	354.91144	285.57852	356.68984	7.30339	0.2282221	0.28253632	2.3001343	21	6 16.4	17.6
235017 2003 EY_{19}	17.5	X	99.71051	273.50231	248.47644	1.54494	0.1631352	0.28331824	2.2959003	21	6 29.6	20.4
235018 2003 EE_{26}	17.1	X	92.14091	312.61684	211.53770	4.40880	0.1345417	0.28186018	2.3038113	21	6 18.2	19.8
235019 2003 EF_{26}	17.2	X	104.23206	256.51099	276.67063	2.36498	0.1294282	0.28462538	2.2888657	21	7 16.5	20.0
235020 2003 EF_{31}	17.1	X	48.28063	108.39806	152.29286	4.11650	0.1452649	0.28740509	2.2740835	21	9 6.4	19.4
235021 2003 EM_{32}	17.0	X	351.98906	311.00258	311.61844	2.72695	0.1396062	0.27970649	2.3156221	21	5 12.2	19.0
235022 2003 EM_{44}	16.9	X	136.22452	236.46944	272.99634	5.42804	0.0595600	0.28750567	2.2735531	21	7 14.9	19.9
235023 2003 EG_{49}	17.7	X	83.35521	251.70078	293.10937	2.52273	0.1478769	0.28231148	2.3013554	21	7 8.3	20.3
235024 2003 EM_{49}	17.0	X	34.29936	31.71851	182.97832	6.99950	0.1949665	0.27779936	2.3262080	21	6 4.0	18.9
235025 2003 EJ_{57}	16.1	X	337.38525	148.26117	115.72666	12.76755	0.1714013	0.27478920	2.3431654	21	4 19.6	18.7
235026 2003 FC_{2}	17.1	X	148.04485	45.00641	45.92367	6.79763	0.1376153	0.28214091	2.3022828	21	5 15.4	20.5
235027 Pommard	17.5	X	150.26664	320.81459	139.19437	0.22707	0.1799232	0.28270958	2.2991944	21	6 2.7	21.0
235028 2003 FA_{6}	16.8	X	337.97021	222.91891	346.98756	4.16484	0.1444999	0.26844625	2.3799317	21	1 31.1	19.5
235029 2003 FC_{6}	17.0	X	51.21632	232.86810	1.02778	7.39945	0.0678048	0.28303419	2.2974361	21	7 20.6	19.6
235030 2003 FO_{6}	16.8	X	338.03475	156.01081	75.99023	8.04834	0.0697330	0.27256538	2.3558931	21	3 17.9	19.6
235031 2003 FW_{11}	16.6	X	284.46069	299.10620	2.67758	6.96510	0.1139397	0.27366278	2.3495908	21	3 27.2	19.4
235032 2003 FH_{14}	17.1	X	26.85275	53.95839	200.89489	4.00910	0.1417359	0.28262148	2.2996722	21	7 16.4	19.1
235033 2003 FT_{15}	16.6	X	20.16550	207.66287	6.88914	6.82402	0.0946264	0.27622637	2.3350309	21	4 23.7	19.0
235034 2003 FX_{17}	17.4	X	91.17102	283.44699	220.60098	1.23036	0.1891167	0.27972156	2.3155389	21	5 27.7	20.0
235035 2003 FU_{19}	16.7	X	134.54373	352.38518	162.41829	5.03189	0.1471170	0.28610318	2.2809771	21	7 27.5	20.0
235036 2003 FH_{28}	16.7	X	21.02434	103.14444	84.21221	7.79742	0.0794141	0.27208528	2.3586637	21	3 22.9	19.3
235037 2003 FD_{36}	17.4	X	57.58919	20.93876	188.57676	2.84934	0.0986174	0.28107524	2.3080984	21	6 26.1	19.7
235038 2003 FS_{36}	17.3	X	336.24019	109.12544	182.68581	2.01715	0.2015328	0.27842164	2.3227407	21	5 19.5	19.0
235039 2003 FN_{40}	17.0	X	7.62693	154.77153	61.05863	4.69840	0.1113215	0.27619790	2.3351913	21	4 5.5	19.3
235040 2003 FV_{47}	16.5	X	312.69702	312.47398	359.32906	4.59791	0.1752184	0.27819063	2.3240264	21	5 8.6	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235041 2003 FA_{55}	16.2	X	90.54782	77.91181	37.38474	21.45559	0.3073892	0.27592876	2.3367096	21	5 3.3	19.1
235042 2003 FS_{56}	17.7	X	142.07829	331.35685	176.42678	1.69881	0.0898381	0.28722621	2.2750276	21	7 22.6	20.8
235043 2003 FH_{57}	17.2	X	36.01835	200.96836	28.06091	5.00958	0.1116649	0.28146047	2.3059919	21	6 19.5	19.4
235044 2003 FK_{59}	16.1	X	66.73311	245.29673	15.02514	22.48547	0.1926983	0.28836321	2.2690435	21	10 9.1	19.0
235045 2003 FU_{62}	16.5	X	34.17319	100.56690	112.86257	5.15071	0.0846861	0.27845985	2.3225282	21	5 21.3	18.8
235046 2003 FG_{67}	16.8	X	105.97961	50.04877	114.47257	4.16713	0.0736210	0.28233175	2.3012452	21	6 28.4	19.5
235047 2003 FS_{67}	17.1	X	309.13598	153.74731	102.45957	3.60568	0.1627966	0.26954382	2.3734666	21	2 20.2	20.1
235048 2003 FF_{69}	17.0	X	77.33776	0.64369	157.07513	7.51136	0.0930321	0.27721973	2.3294495	21	5 12.9	19.7
235049 2003 FU_{69}	16.8	X	358.93327	170.04299	74.37492	3.56100	0.1332274	0.27581002	2.3373802	21	4 30.5	18.8
235050 2003 FA_{70}	17.3	X	332.51218	147.22904	76.75683	5.90624	0.0473296	0.27050271	2.3678543	21	2 28.3	20.1
235051 2003 FW_{70}	16.9	X	3.13745	117.75371	106.68700	3.14700	0.1378124	0.27438883	2.3454441	21	4 7.9	18.9
235052 2003 FJ_{72}	16.7	X	326.49577	149.63747	68.48000	7.95224	0.0543330	0.26800753	2.3825282	21	2 11.3	19.7
235053 2003 FM_{72}	16.1	X	310.96089	213.93905	64.06776	10.48527	0.2133240	0.27178787	2.3603841	21	3 20.9	19.2
235054 2003 FV_{74}	16.6	X	55.81452	77.45827	92.34583	6.73204	0.1437414	0.27490020	2.3425346	21	5 2.3	18.8
235055 2003 FF_{75}	17.3	X	358.17290	288.34475	327.99324	5.84294	0.2394932	0.27583969	2.3372125	21	5 3.7	18.9
235056 2003 FU_{75}	16.4	X	35.10638	305.84432	298.60361	6.75476	0.1348310	0.28304403	2.2973829	21	7 16.5	18.3
235057 2003 FU_{77}	16.5	X	113.42564	5.13325	158.50459	5.53857	0.0945532	0.28348200	2.2950160	21	7 9.6	19.5
235058 2003 FX_{98}	16.1	X	273.27542	279.84026	22.29224	9.21303	0.2498496	0.27131994	2.3630971	21	3 4.8	19.9
235059 2003 FF_{99}	17.1	X	319.48490	177.41912	79.22559	2.31669	0.1586477	0.27187575	2.3598754	21	3 6.9	20.0
235060 2003 FL_{101}	16.9	X	52.50392	318.93993	251.40277	4.69171	0.1523709	0.28124233	2.3071842	21	6 27.4	19.0
235061 2003 FL_{104}	16.6	X	13.25724	277.92983	349.45319	5.05960	0.1947307	0.27934031	2.3176453	21	7 14.6	18.2
235062 2003 FX_{108}	16.4	X	7.04242	122.25459	95.91926	6.92659	0.0888283	0.27539651	2.3397193	21	4 11.6	18.8
235063 2003 FR_{116}	16.8	X	355.85593	210.49912	16.98077	6.26572	0.2063641	0.27232728	2.3572662	21	3 19.4	18.6
235064 2003 FJ_{118}	16.9	X	78.15113	161.25958	11.12872	5.88415	0.0994702	0.27863035	2.3215806	21	6 2.3	19.6
235065 2003 FX_{118}	16.9	X	47.64232	213.92828	41.32909	2.63300	0.1301385	0.28415082	2.2914133	21	8 26.1	19.2
235066 2003 FU_{130}	17.0	X	61.31707	54.69542	92.67639	5.34336	0.1705960	0.27340514	2.3510666	21	4 12.3	19.1
235067 2003 FN_{131}	17.2	X	22.51649	89.54459	164.49723	3.01630	0.1552814	0.28040021	2.3118013	21	7 7.8	19.0
235068 2003 GF_{1}	17.0	X	355.64518	128.15171	144.20893	2.11253	0.1951604	0.27880130	2.3206315	21	6 3.5	18.6
235069 2003 GF_{12}	17.6	X	31.05586	192.76207	13.16057	4.70412	0.1737161	0.27679214	2.3318479	21	5 6.6	19.2
235070 2003 GU_{13}	17.3	X	70.54337	317.21168	179.42094	2.27818	0.1296066	0.27317015	2.3524147	21	4 3.9	19.7
235071 2003 GK_{14}	16.7	X	64.88435	79.40673	101.89211	5.88417	0.0449069	0.27939481	2.3173439	21	5 19.5	19.3
235072 2003 GJ_{16}	17.2	X	41.60837	62.80234	101.77443	6.39222	0.1275004	0.27378118	2.3489133	21	3 26.2	19.4
235073 2003 GS_{23}	17.0	X	0.80677	216.30048	5.12806	6.07701	0.1722439	0.27245033	2.3565563	21	3 23.9	19.0
235074 2003 GU_{28}	16.7	X	340.93479	139.20285	138.12143	10.31289	0.2733875	0.27346128	2.3507448	21	4 28.1	18.7
235075 2003 GF_{29}	16.4	X	36.86752	104.33671	104.49399	6.76543	0.0629732	0.27582776	2.3372800	21	5 17.9	18.9
235076 2003 GJ_{32}	17.1	X	349.71771	112.25146	140.04794	3.11781	0.1493188	0.27531970	2.3401545	21	4 22.9	19.2
235077 2003 GG_{35}	16.6	X	312.58140	237.60227	18.40428	4.28676	0.1669293	0.27001605	2.3706985	21	2 24.1	19.7
235078 2003 GG_{47}	17.2	X	55.20090	62.80818	83.14663	4.90514	0.1489721	0.27246930	2.3564470	21	3 25.9	19.4
235079 2003 GT_{50}	16.8	X	315.74045	233.14031	46.31400	3.47565	0.2083023	0.27306209	2.3530353	21	3 25.3	19.6
235080 2003 GS_{51}	17.5	X	144.61507	104.62906	40.16554	3.03839	0.1089563	0.28595146	2.2817839	21	7 24.0	20.7
235081 2003 GJ_{52}	16.8	X	283.80787	271.01691	39.16317	3.60955	0.2197538	0.27148147	2.3621597	21	3 25.8	20.3
235082 2003 GC_{56}	16.9	X	20.46380	118.60496	109.20348	6.48267	0.1030444	0.27443665	2.3451717	21	5 19.8	19.1
235083 2003 HM_{3}	16.7	X	32.64959	180.12331	46.65941	4.94638	0.0955479	0.27795341	2.3253485	21	6 7.4	18.9
235084 2003 HL_{5}	16.7	X	312.89162	197.67554	69.79409	4.99962	0.0876499	0.27055626	2.3675418	21	3 25.9	19.6
235085 2003 HM_{11}	16.5	X	311.76573	170.55835	111.08748	6.29624	0.1052208	0.27204813	2.3588784	21	4 10.9	19.3
235086 2003 HW_{11}	17.3	X	341.82801	154.29959	150.38914	7.40248	0.4664819	0.27346954	2.3506975	21	5 1.2	18.7
235087 2003 HX_{13}	16.9	X	321.59973	59.47119	162.40943	6.31324	0.0988851	0.26542937	2.3979313	21	1 29.9	19.9
235088 2003 HD_{22}	16.1	X	129.84862	183.79944	59.22670	15.96254	0.1602107	0.23886810	2.5725507	21	11 12.7	20.1
235089 2003 HG_{29}	17.3	X	30.68274	251.78006	325.93969	2.15480	0.1876895	0.27588629	2.3369494	21	5 28.7	18.9
235090 2003 HG_{39}	16.0	X	218.54472	124.00299	45.69992	8.22117	0.0403376	0.24246509	2.5470447	21	11 19.1	19.4
235091 2003 HC_{46}	17.1	X	357.78018	191.31722	78.76040	3.03232	0.2074200	0.27708388	2.3302108	21	6 4.1	18.6
235092 2003 HA_{58}	16.6	X	1.35062	162.52576	97.26480	11.23210	0.2021400	0.27447022	2.3449805	21	5 29.3	18.2
235093 2003 JA_{7}	16.5	X	325.51387	213.33002	71.92572	8.23925	0.1275821	0.27292607	2.3538170	21	5 3.1	19.0
235094 2003 JU_{7}	16.8	X	330.59128	160.88624	95.91816	7.00206	0.0992770	0.27136030	2.3628628	21	4 5.9	19.6
235095 2003 JB_{8}	16.8	X	322.41143	142.32692	131.16755	4.77527	0.1855598	0.27073843	2.3664797	21	3 31.9	19.4
235096 2003 JT_{11}	16.7	X	66.00596	59.10239	140.96166	6.43974	0.0644432	0.27878185	2.3207395	21	6 20.4	19.4
235097 2003 KO_{5}	16.3	X	27.36975	242.18259	117.05853	5.58936	0.2825278	0.23610395	2.5925903	21	—	—
235098 2003 KM_{7}	16.5	X	350.20260	107.10970	94.12826	7.39862	0.1231836	0.26550622	2.3974685	21	2 12.6	19.2
235099 2003 KH_{18}	16.9	X	332.00717	12.61600	250.55891	0.45626	0.1645830	0.27014295	2.3699560	21	4 2.7	19.4
235100 2003 KH_{35}	17.0	X	276.01827	199.67023	84.40468	2.70049	0.1272709	0.26557656	2.3970452	21	2 22.9	20.4
235101 2003 LK_{3}	17.4	X	325.66486	215.75070	67.93716	2.21712	0.1800165	0.27231581	2.3573323	21	4 20.5	19.7
235102 2003 LO_{9}	16.3	X	270.95223	12.18869	249.76830	9.50233	0.1338057	0.25603252	2.4562504	21	1 18.0	20.0
235103 2003 MQ_{1}	16.4	X	14.33600	95.33189	134.96833	22.93495	0.2121329	0.27181821	2.3602084	21	5 20.5	18.9
235104 2003 MH_{8}	15.4	X	46.39016	226.59114	163.35741	12.04282	0.1825840	0.23735796	2.5834507	21	—	—
235105 2003 NW_{4}	16.3	X	221.92794	238.83914	63.50038	5.62761	0.1953301	0.25417679	2.4681911	21	1 23.9	20.5
235106 2003 ON_{5}	17.1	X	181.95768	326.29080	324.15935	6.39991	0.2434712	0.24550521	2.5259742	21	—	—
235107 2003 OF_{14}	16.2	X	283.31280	132.66011	161.87646	23.45116	0.1935407	0.26486035	2.4013645	21	3 8.3	19.5
235108 2003 OO_{19}	15.6	X	344.29121	35.52287	321.98222	15.94721	0.1885261	0.22013037	2.7165398	21	9 15.8	18.4
235109 2003 OB_{24}	15.9	X	76.99305	337.02321	261.64218	9.22296	0.0742488	0.22197088	2.7015025	21	8 25.2	19.7
235110 2003 OG_{26}	16.5	X	128.36876	91.72494	221.37083	2.71020	0.1861672	0.23968026	2.5667360	21	—	—
235111 2003 OS_{27}	15.7	X	49.77666	227.13583	132.53297	13.70187	0.1764877	0.23199391	2.6231210	21	—	—
235112 2003 OJ_{29}	15.9	X	157.96838	279.56868	334.86698	14.48938	0.0939771	0.23463989	2.6033636	21	12 21.9	20.1
235113 2003 PX	15.9	X	84.52034	174.86058	160.81798	14.94032	0.1581470	0.23251312	2.6192146	21	—	—
235114 2003 PV_{1}	16.0	X	316.84409	36.66528	318.07609	7.26413	0.3105315	0.21645041	2.7472432	21	6 30.9	18.8
235115 2003 PW_{4}	15.9	X	323.57164	24.03407	325.21850	7.31238	0.3606960	0.21764310	2.7371974	21	6 26.7	18.4
235116 2003 PH_{7}	16.2	X	59.20863	166.10503	193.36245	3.47063	0.1842659	0.23296286	2.6158425	21	—	—
235117 2003 QL_{6}	16.2	X	351.68202	23.33818	352.77773	6.07909	0.2010271	0.22251001	2.6971370	21	11 6.1	18.8
235118 2003 QU_{7}	16.4	X	272.62044	52.21617	336.69476	6.71076	0.2347313	0.21266806	2.7797209	21	6 25.4	20.5
235119 2003 QF_{11}	15.8	X	306.79685	208.26328	144.00397	10.22245	0.1789969	0.21439867	2.7647423	21	7 1.4	19.3
235120 2003 QQ_{12}	15.9	X	312.23620	31.98068	346.88174	11.26163	0.2514213	0.21790240	2.7350254	21	8 10.7	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235121 2003 QK_{21}	15.7	X	338.26658	340.93114	11.02317	13.07138	0.1329689	0.21754872	2.7379889	21	9 7.9	18.7
235122 2003 QJ_{26}	15.9	X	351.09168	212.32470	166.89916	13.60946	0.1591428	0.22469830	2.6795973	21	11 12.5	18.9
235123 2003 QY_{26}	14.8	X	84.02113	37.67898	349.11370	17.28783	0.2102396	0.18057696	3.0999962	21	1 2.3	19.0
235124 2003 QS_{33}	16.8	X	244.70714	315.01448	311.97241	2.74323	0.3261313	0.25357173	2.4721159	21	—	—
235125 2003 QU_{38}	16.3	X	132.14382	172.11919	146.91431	6.17520	0.1249510	0.23840945	2.5758490	21	—	—
235126 2003 QB_{42}	15.8	X	50.48379	188.48543	168.28965	15.53622	0.1552435	0.22851320	2.6496907	21	—	—
235127 2003 QV_{42}	15.8	X	287.23691	245.63489	154.82628	7.14235	0.1621309	0.21615345	2.7497588	21	8 9.3	19.3
235128 2003 QL_{45}	16.3	X	197.48456	296.09421	328.94265	6.74355	0.1476280	0.24269968	2.5454031	21	—	—
235129 2003 QJ_{47}	17.0	X	115.38109	6.43865	145.62883	23.91869	0.0411198	0.37571992	1.9020703	21	6 20.1	19.5
235130 2003 QY_{53}	16.7	X	138.48958	206.32161	123.96158	5.26219	0.2581882	0.24133999	2.5549546	21	—	—
235131 2003 QL_{57}	16.3	X	90.40353	221.90613	92.07040	3.26396	0.2134733	0.23337607	2.6127539	21	—	—
235132 2003 QP_{57}	16.4	X	212.66021	115.02857	141.12093	8.75563	0.1709750	0.24368104	2.5385646	21	—	—
235133 2003 QN_{59}	16.0	X	42.25539	3.77505	355.28189	14.78029	0.1201843	0.22866369	2.6485280	21	12 28.3	19.9
235134 2003 QR_{60}	16.2	X	43.84800	215.43483	141.40628	7.25391	0.2319793	0.22816563	2.6523810	21	—	—
235135 2003 QF_{63}	15.7	X	32.19696	201.18489	164.12774	13.20895	0.1930240	0.22652857	2.6651443	21	12 31.9	19.5
235136 2003 QJ_{63}	15.4	X	285.96555	205.80737	166.46504	22.29654	0.1963928	0.21081372	2.7959976	21	6 25.9	19.7
235137 2003 QK_{63}	16.1	X	122.37971	161.40993	157.61681	14.00602	0.2641840	0.23603749	2.5930768	21	—	—
235138 2003 QP_{68}	15.7	X	8.93604	185.74215	178.58648	14.40584	0.2587856	0.22427063	2.6830028	21	12 7.1	18.8
235139 2003 QC_{69}	15.4	X	343.02554	329.78927	24.85500	10.47470	0.2606700	0.22020448	2.7159302	21	9 20.6	17.4
235140 2003 QB_{71}	15.6	X	268.32531	351.26645	21.72203	10.27099	0.2230978	0.21024356	2.8010504	21	5 30.1	19.9
235141 2003 QC_{74}	17.0	X	351.45075	65.85714	211.92548	4.18128	0.2156061	0.26935660	2.3745663	21	5 31.9	18.6
235142 2003 QR_{77}	15.3	X	352.63047	17.01178	357.41178	35.74938	0.1272961	0.22089201	2.7102917	21	10 12.8	18.9
235143 2003 QY_{77}	14.8	X	38.02705	48.74925	1.28850	26.73355	0.2454758	0.17530491	3.1618408	21	—	—
235144 2003 QQ_{81}	16.1	X	132.36940	281.53794	341.51776	11.67383	0.1490409	0.23243661	2.6197892	21	12 4.7	20.5
235145 2003 QL_{88}	17.1	X	147.79097	308.94239	12.12854	5.16012	0.2348672	0.24100898	2.5572935	21	—	—
235146 2003 QE_{96}	16.0	X	85.35985	220.80562	124.38807	14.43123	0.1966952	0.23399491	2.6081452	21	—	—
235147 2003 QP_{101}	15.8	X	356.51244	0.33276	20.50735	14.05996	0.1867368	0.22375200	2.6871470	21	11 19.9	18.7
235148 2003 QA_{103}	16.9	X	127.74406	156.31766	150.61654	2.20515	0.1885422	0.23768622	2.5810716	21	—	—
235149 2003 QS_{104}	15.9	X	26.47137	339.15245	342.78192	14.68527	0.1047392	0.22205953	2.7007835	21	10 7.9	19.4
235150 2003 QT_{114}	15.5	X	321.28321	37.02655	343.57067	25.37112	0.1223579	0.22042036	2.7141567	21	9 11.3	18.6
235151 2003 RD	16.9	X	99.95879	54.30313	170.58884	26.42731	0.0819115	0.38347620	1.8763353	21	9 28.5	18.8
235152 2003 RE_{1}	15.8	X	130.06795	290.14107	74.71517	5.84323	0.2264226	0.18618690	3.0374092	21	1 30.6	20.5
235153 2003 RP_{1}	15.6	X	18.83136	227.90014	108.59704	12.81589	0.2051257	0.22390289	2.6859396	21	11 11.2	18.8
235154 2003 RM_{5}	15.8	X	302.51659	32.00571	347.52397	10.99189	0.0691376	0.21749410	2.7384473	21	8 21.1	19.3
235155 2003 RL_{6}	16.2	X	142.54874	181.54542	128.37903	3.60034	0.0638531	0.23900616	2.5715600	21	—	—
235156 2003 RR_{9}	15.5	X	141.31235	108.88881	248.35502	8.15526	0.1242515	0.18835820	3.0140216	21	1 18.2	20.0
235157 2003 RH_{23}	16.0	X	95.31858	47.42447	292.45288	3.76678	0.0954583	0.23501042	2.6006264	21	—	—
235158 2003 SL_{1}	16.6	X	226.26552	77.24831	346.65329	6.52738	0.0604728	0.21094398	2.7948465	21	7 9.5	20.7
235159 2003 SG_{3}	15.7	X	37.23763	19.31215	348.95552	8.98110	0.0236442	0.22776312	2.6555050	21	12 17.7	19.4
235160 2003 SQ_{4}	16.4	X	74.64597	185.02977	153.05512	14.37154	0.1769464	0.23144497	2.6272670	21	—	—
235161 2003 SC_{6}	15.5	X	50.06128	247.18264	182.83628	13.19752	0.1920481	0.18050139	3.1008614	21	—	—
235162 2003 ST_{7}	15.5	X	106.09160	97.68570	335.51325	9.50787	0.1579853	0.19216577	2.9740758	21	3 14.8	19.8
235163 2003 SK_{8}	16.8	X	78.05149	50.97657	278.09595	0.70213	0.1345448	0.22973320	2.6403016	21	—	—
235164 2003 SG_{11}	16.4	X	161.79378	170.09485	250.00793	18.53457	0.0827189	0.36423893	1.9418327	21	3 28.7	19.1
235165 2003 SO_{24}	15.7	X	328.57899	228.45714	152.15993	16.30625	0.0903980	0.21951855	2.7215850	21	10 2.6	19.0
235166 2003 SG_{31}	16.2	X	329.99403	27.74895	5.35477	4.69879	0.1189152	0.21900576	2.7258316	21	10 16.5	19.1
235167 2003 SC_{36}	15.7	X	347.53286	280.36988	52.09846	8.18664	0.2885795	0.21732996	2.7398260	21	8 27.5	17.7
235168 2003 SF_{43}	16.4	X	352.37484	64.03873	324.87424	12.60481	0.2049207	0.22465406	2.6799490	21	11 26.9	19.3
235169 2003 SW_{43}	15.6	X	159.35985	203.95674	175.60185	10.63721	0.1531683	0.19508652	2.9443169	21	3 6.1	20.4
235170 2003 SM_{46}	15.8	X	353.45874	5.76689	358.41293	4.93009	0.1722940	0.22108169	2.7087413	21	10 21.5	18.6
235171 2003 SH_{47}	15.3	X	240.43544	134.01860	278.93964	6.46983	0.1525241	0.21028799	2.8006558	21	6 30.8	19.6
235172 2003 SV_{51}	15.6	X	301.36575	32.09158	18.77104	9.81594	0.1080308	0.21789389	2.7350967	21	9 26.1	18.8
235173 2003 SW_{60}	16.2	X	293.03237	76.10995	323.39413	3.60124	0.1825277	0.21571450	2.7534878	21	8 14.4	19.3
235174 2003 SM_{61}	16.2	X	313.02686	350.41223	38.54338	5.75998	0.1716379	0.21822045	2.7323674	21	9 8.2	19.1
235175 2003 SG_{62}	15.8	X	348.80639	15.08859	12.57361	14.70650	0.1170470	0.22425214	2.6831502	21	11 8.3	19.0
235176 2003 SP_{64}	16.9	X	146.82297	118.50516	193.79704	2.30757	0.1724231	0.23814668	2.5777435	21	—	—
235177 2003 SY_{65}	15.9	X	18.21831	210.29158	124.82910	4.98471	0.1874375	0.22140548	2.7060998	21	11 1.9	19.0
235178 2003 SN_{66}	16.2	X	188.45462	300.25597	299.00207	5.95505	0.0226733	0.23383020	2.6093699	21	—	—
235179 2003 SH_{68}	15.6	X	127.80703	112.27713	274.91645	4.90053	0.1634437	0.18991783	2.9974979	21	2 12.8	20.1
235180 2003 SD_{71}	16.3	X	130.97428	92.75242	223.11377	9.17932	0.0903489	0.23645749	2.5900054	21	—	—
235181 2003 SW_{77}	15.5	X	255.36515	246.13071	332.00505	13.40753	0.1744325	0.24108201	2.5567770	21	—	—
235182 2003 SV_{82}	16.3	X	228.41400	259.66137	181.31420	8.77991	0.1262967	0.21095158	2.7947793	21	7 24.7	20.7
235183 2003 SW_{92}	16.8	X	138.72679	314.17162	339.84937	2.12445	0.0332356	0.23197590	2.6232568	21	—	—
235184 2003 SL_{93}	16.0	X	357.30120	13.79955	2.62011	2.14384	0.1798008	0.22121732	2.7076341	21	11 17.3	18.7
235185 2003 SE_{94}	15.9	X	331.40929	236.50326	106.97818	7.25105	0.0590073	0.21366834	2.7710388	21	8 15.4	19.3
235186 2003 SN_{99}	15.6	X	55.64171	321.36319	7.82503	8.80900	0.1165773	0.22576788	2.6711275	21	12 3.0	19.4
235187 2003 SM_{100}	16.4	X	279.20638	296.17962	160.62047	3.71004	0.0221162	0.22718153	2.6600351	21	11 5.5	19.8
235188 2003 SF_{106}	16.2	X	133.24692	336.54977	329.26779	12.91930	0.2017296	0.23608077	2.5927600	21	—	—
235189 2003 SW_{107}	15.4	X	221.40843	273.10376	341.23883	14.20674	0.2041374	0.24009058	2.5638108	21	—	—
235190 2003 SF_{108}	14.6	X	99.30574	324.44979	4.24549	16.41920	0.1893213	0.17605291	3.1528785	21	—	—
235191 2003 SG_{129}	16.1	X	353.81388	21.38777	33.30545	3.42105	0.0453686	0.22796705	2.6539210	21	12 22.2	19.3
235192 2003 SK_{129}	15.9	X	35.63228	91.15463	244.60432	8.15839	0.0805624	0.22503331	2.6769371	21	11 11.2	19.4
235193 2003 SE_{134}	16.8	X	58.80290	59.88315	268.29090	3.11458	0.0972537	0.22821672	2.6519851	21	12 5.0	20.3
235194 2003 SR_{134}	16.1	X	218.27240	39.17277	30.83064	3.92984	0.0797248	0.20913137	2.8109725	21	7 5.6	20.2
235195 2003 SC_{138}	15.6	X	340.09920	258.65872	179.08192	21.88239	0.0565217	0.22999720	2.6382808	21	—	—
235196 2003 SR_{138}	16.0	X	56.32412	353.39443	342.65284	11.71156	0.1826633	0.22597040	2.6695313	21	12 23.6	20.0
235197 2003 SF_{146}	15.5	X	319.00657	28.83445	6.01858	10.32151	0.1179980	0.21605946	2.7505563	21	9 29.9	18.6
235198 2003 SL_{148}	15.6	X	295.83628	235.31587	131.44900	14.17432	0.2115746	0.21259319	2.7803736	21	6 29.6	19.3
235199 2003 SQ_{148}	16.3	X	74.10431	346.51304	353.22854	4.88537	0.1774853	0.22943618	2.6425798	21	—	—
235200 2003 SP_{154}	15.8	X	294.94067	21.75043	342.32920	7.10501	0.1673504	0.21077794	2.7963141	21	7 2.3	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235201 Lorántffy	15.7	X	100.79400	302.46667	49.66513	28.18433	0.3059686	0.17902343	3.1179044	21	—	—
235202 2003 SP_{158}	16.4	X	187.25402	128.78448	165.33629	17.45201	0.2076313	0.24310370	2.5425822	21	—	—
235203 2003 SE_{164}	16.4	X	268.04662	211.92156	207.25773	3.70172	0.0541890	0.21248237	2.7813403	21	8 23.7	20.3
235204 2003 SH_{167}	15.8	X	316.54190	71.52070	322.44323	7.91791	0.0618031	0.21663665	2.7456685	21	9 25.7	19.3
235205 2003 SQ_{167}	15.6	X	282.17010	264.71361	126.82473	6.82020	0.0633252	0.21355481	2.7720207	21	8 6.3	19.1
235206 2003 SV_{174}	16.5	X	298.21213	183.52152	176.74575	3.87237	0.1131237	0.21220120	2.7837965	21	7 9.2	20.0
235207 2003 SW_{175}	16.3	X	314.95312	61.69200	346.88795	4.90546	0.0757816	0.22021558	2.7158390	21	10 14.4	19.5
235208 2003 SS_{183}	15.9	X	67.66167	168.34715	244.21991	7.25619	0.1455343	0.18202686	3.0835126	21	—	—
235209 2003 SK_{186}	16.8	X	113.80641	177.41926	145.06723	4.28781	0.1293981	0.23547334	2.5972169	21	—	—
235210 2003 SB_{189}	16.0	X	91.82756	295.08175	20.11510	4.23179	0.0539339	0.22882853	2.6472560	21	12 22.4	19.7
235211 2003 SP_{189}	16.2	X	328.96137	11.48802	26.20343	5.20238	0.1899368	0.21867168	2.7286072	21	10 19.6	18.7
235212 2003 SZ_{192}	15.6	X	105.50945	89.22221	313.74101	7.25578	0.0942299	0.18649029	3.0341141	21	1 30.3	19.7
235213 2003 ST_{201}	15.6	X	290.10177	197.12307	199.38783	8.58278	0.1625058	0.21199621	2.7855908	21	8 5.9	19.2
235214 2003 SX_{208}	15.8	X	330.76608	120.13767	242.62151	4.32427	0.0523573	0.21655347	2.7463715	21	9 6.5	19.3
235215 2003 SL_{217}	16.3	X	247.23781	73.38632	26.73457	6.56912	0.0293647	0.21583539	2.7524596	21	9 26.6	20.0
235216 2003 SR_{217}	16.4	X	132.09202	294.40152	1.02233	6.00463	0.0704778	0.23393548	2.6085869	21	—	—
235217 2003 SZ_{223}	15.9	X	300.22501	14.03538	338.23044	12.82229	0.1681063	0.20959332	2.8068406	21	6 23.9	19.7
235218 2003 SX_{230}	16.1	X	334.47805	209.66574	154.40266	7.27001	0.1020736	0.21900921	2.7258030	21	9 16.1	19.1
235219 2003 SU_{231}	16.0	X	315.82716	244.94523	116.18707	5.55971	0.1280579	0.21501625	2.7594458	21	8 6.9	19.1
235220 2003 SE_{232}	16.3	X	291.48780	225.56970	160.54625	9.36679	0.1747974	0.21319866	2.7751070	21	7 24.2	20.0
235221 2003 SZ_{236}	16.4	X	278.33265	212.61275	148.18181	2.13303	0.1045760	0.20896094	2.8125007	21	6 13.9	20.3
235222 2003 SU_{237}	15.9	X	83.90655	309.92678	21.45444	5.33579	0.1365715	0.22902890	2.6457117	21	—	—
235223 2003 SA_{238}	16.7	X	24.86486	98.51988	212.68398	2.43400	0.0746304	0.21587672	2.7521082	21	9 21.7	20.2
235224 2003 SM_{238}	16.1	X	289.89108	125.17816	243.06891	3.37129	0.0898861	0.21210842	2.7846083	21	7 11.6	19.8
235225 2003 SZ_{244}	16.6	X	318.70372	358.67461	6.88097	3.04536	0.1036474	0.21569478	2.7536556	21	8 21.5	19.8
235226 2003 SE_{246}	16.4	X	7.14079	170.92317	146.45901	2.90565	0.0781774	0.21653228	2.7465507	21	9 4.1	19.5
235227 2003 SX_{247}	16.5	X	116.54886	324.22604	0.11819	10.74056	0.1321695	0.23568600	2.5956543	21	—	—
235228 2003 SK_{251}	16.9	X	271.74057	119.32575	208.23058	21.33154	0.0683567	0.36652348	1.9337553	21	4 11.1	18.9
235229 2003 SY_{252}	16.1	X	32.13475	170.22430	174.68363	13.19237	0.0983962	0.22674320	2.6634622	21	11 24.2	19.7
235230 2003 SF_{255}	16.4	X	108.24174	141.48126	163.37455	3.28211	0.0969445	0.23045674	2.6347724	21	12 31.1	20.4
235231 2003 SU_{256}	16.6	X	49.60402	146.70909	213.55833	2.32931	0.1011232	0.23003835	2.6379662	21	—	—
235232 2003 SL_{258}	15.9	X	63.56845	20.01095	25.65376	5.61991	0.1800550	0.17965926	3.1105437	21	—	—
235233 2003 SZ_{258}	14.9	X	38.85186	37.29283	23.94550	11.28277	0.1411635	0.17692638	3.1424930	21	—	—
235234 2003 SV_{260}	16.8	X	164.74852	83.53000	226.42670	4.35631	0.0561319	0.24071852	2.5593502	21	—	—
235235 2003 SB_{263}	15.8	X	272.69984	255.65515	169.86551	13.96771	0.1555883	0.21483740	2.7609770	21	8 22.9	19.7
235236 2003 SS_{267}	16.8	X	323.08589	155.46686	194.90542	1.90964	0.0891308	0.21401594	2.7680375	21	8 6.9	20.0
235237 2003 SE_{276}	16.7	X	133.01237	43.89891	231.14287	5.31048	0.0504849	0.22699768	2.6614712	21	12 18.7	20.6
235238 2003 SF_{280}	16.1	X	270.33394	325.04438	80.26628	5.85911	0.1807681	0.21176899	2.7875830	21	7 22.3	20.0
235239 2003 SO_{290}	16.3	X	12.81881	135.27431	217.98012	5.63525	0.0346108	0.21868868	2.7284658	21	10 26.9	19.8
235240 2003 ST_{290}	16.4	X	296.50808	71.03834	255.97550	1.02446	0.0674997	0.20348635	2.8627221	21	5 30.2	20.1
235241 2003 SA_{301}	16.3	X	27.80582	33.58154	308.56551	5.51788	0.0384928	0.22351520	2.6890446	21	10 31.8	20.0
235242 2003 SL_{302}	15.8	X	209.77899	176.63896	278.14265	7.61228	0.1085156	0.21096919	2.7946239	21	7 24.5	20.2
235243 2003 SS_{302}	16.3	X	249.95190	141.81102	258.48829	3.02172	0.1056704	0.20952756	2.8074279	21	6 30.3	20.3
235244 2003 ST_{308}	15.7	X	123.82685	55.65897	302.17358	16.76678	0.1986409	0.18278353	3.0749969	21	1 13.2	20.3
235245 2003 ST_{310}	16.2	X	114.50791	322.23080	350.26388	13.51513	0.1906865	0.23611833	2.5924850	21	—	—
235246 2003 SD_{317}	16.2	X	313.64377	43.34613	317.99751	4.21588	0.0754354	0.21527383	2.7572441	21	8 9.5	19.6
235247 2003 SG_{319}	16.5	X	4.42398	209.27704	185.40725	7.94697	0.0424901	0.22656269	2.6648767	21	12 11.1	20.1
235248 2003 SV_{319}	16.7	X	151.81687	237.93514	56.67539	8.27776	0.1736407	0.23556224	2.5965634	21	—	—
235249 2003 SF_{320}	16.2	X	355.00490	229.23495	145.54845	17.16817	0.1633480	0.22220154	2.6996326	21	11 15.8	19.5
235250 2003 SR_{320}	16.4	X	41.82803	325.09881	178.62653	4.53166	0.1223965	0.19341628	2.9612429	21	3 8.2	19.7
235251 2003 SU_{320}	17.1	X	120.44914	59.62244	14.96379	3.42698	0.2644406	0.19234792	2.9721979	21	4 15.4	21.9
235252 2003 SN_{321}	16.3	X	319.48439	21.10740	333.28788	8.90880	0.1768100	0.21224713	2.7833949	21	7 29.6	19.3
235253 2003 SU_{321}	15.9	X	259.55534	189.83141	172.99307	9.54143	0.0793393	0.20372419	2.8604936	21	5 29.3	20.1
235254 2003 SH_{322}	15.9	X	307.64910	244.13591	170.99280	7.93170	0.0908985	0.21928647	2.7235049	21	10 13.8	19.1
235255 2003 SR_{323}	16.1	X	195.00898	157.05589	350.72967	11.62259	0.0929430	0.21863495	2.7289128	21	9 16.5	20.1
235256 2003 SS_{353}	16.3	X	58.18806	194.79839	150.27786	7.70203	0.1421377	0.22784153	2.6548956	21	12 31.2	20.2
235257 2003 SR_{354}	15.6	X	70.51300	250.97253	24.09350	13.74551	0.0184725	0.21915502	2.7245938	21	10 2.8	19.3
235258 2003 ST_{378}	16.5	X	201.69029	25.32493	165.26188	2.57526	0.0402269	0.22643089	2.6659107	21	11 23.6	20.1
235259 2003 SV_{414}	17.0	X	227.64342	56.88862	32.22974	4.42388	0.0261924	0.21351915	2.7723294	21	8 18.3	20.8
235260 2003 SE_{415}	16.5	X	62.36458	174.13875	158.89102	4.54145	0.0861179	0.22722834	2.6596698	21	12 14.2	20.1
235261 2003 SU_{420}	16.5	X	271.82907	246.55843	171.17289	6.12747	0.0974805	0.21488146	2.7605996	21	8 20.9	20.2
235262 2003 SB_{428}	16.5	X	192.87956	8.01609	220.03437	2.10574	0.0338673	0.23258075	2.6187067	21	12 31.2	20.2
235263 2003 SN_{428}	16.3	X	150.62703	302.14831	286.98409	1.46905	0.0704182	0.22571434	2.6715498	21	11 11.1	20.3
235264 2003 TD_{4}	15.9	X	204.81562	343.96085	236.92808	8.45884	0.1358267	0.23188573	2.6239368	21	12 24.2	19.8
235265 2003 TY_{8}	15.6	X	280.17021	317.40285	86.59210	9.32491	0.1684608	0.21374792	2.7703509	21	8 5.8	19.3
235266 2003 TD_{9}	15.9	X	203.52078	297.80361	329.86326	12.67797	0.2515266	0.23893477	2.5720721	21	—	—
235267 2003 TU_{11}	15.3	X	124.93708	332.01359	23.40300	6.79814	0.0725116	0.18265661	3.0764211	21	—	—
235268 2003 TK_{12}	16.1	X	53.34756	132.11243	190.14912	11.15193	0.0283891	0.22207635	2.7006472	21	11 11.5	19.8
235269 2003 TA_{21}	15.4	X	57.56364	307.17714	93.94158	8.16792	0.1118583	0.17823037	3.1271466	21	—	—
235270 2003 TN_{31}	17.0	X	218.20968	103.77359	27.58671	4.36251	0.1539445	0.21505768	2.7590913	21	9 16.8	21.2
235271 2003 TX_{37}	16.1	X	149.14420	309.51608	260.86560	7.87010	0.0915169	0.21949068	2.7218154	21	10 14.1	20.3
235272 2003 TK_{44}	15.3	X	87.78852	5.53018	63.41779	17.28446	0.1274126	0.18735173	3.0248064	21	2 20.5	19.6
235273 2003 TA_{50}	17.7	X	247.33178	3.38616	4.99012	19.69383	0.0965782	0.36893712	1.9253121	21	4 28.4	20.2
235274 2003 TE_{50}	16.3	X	211.04515	235.12296	145.65930	11.34661	0.1982194	0.20027903	2.8932040	21	4 26.0	21.3
235275 2003 TO_{57}	16.7	X	356.88616	18.33860	10.60038	1.91569	0.0935014	0.22403036	2.6849207	21	11 25.9	19.8
235276 2003 TR_{58}	16.4	X	279.52422	171.82796	176.66329	1.43300	0.1253946	0.20481470	2.8503310	21	5 27.4	20.2
235277 2003 UO_{8}	15.6	X	64.59431	159.48073	203.74546	13.93034	0.1301018	0.22810909	2.6528192	21	—	—
235278 2003 UE_{11}	17.3	X	300.41819	279.48004	40.67785	21.46125	0.0910335	0.37044781	1.9200743	21	5 7.9	18.8
235279 2003 UL_{17}	15.3	X	110.68685	191.49291	278.10692	9.52688	0.2364850	0.19183861	2.9774562	21	5 14.4	20.0
235280 2003 UU_{17}	16.1	X	4.62794	338.38903	14.98841	5.13794	0.1263284	0.21948472	2.7218646	21	10 23.2	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235281 Jackwilliamson	15.0	X	341.14130	105.39208	27.84728	26.09587	0.2267135	0.17607562	3.1526074	21	—	—
235282 2003 UO_{19}	15.7	X	92.37233	295.33756	7.97400	8.80106	0.1521052	0.22646678	2.6656291	21	12 16.3	19.9
235283 2003 UC_{29}	15.5	X	28.54906	234.29981	221.87243	14.40677	0.2086567	0.17775038	3.1327737	21	—	—
235284 2003 UF_{32}	16.6	X	73.77183	119.85111	209.12675	5.61254	0.0725583	0.22619143	2.6677919	21	12 20.2	20.4
235285 2003 UF_{34}	16.7	X	121.28291	322.51421	279.62452	3.42233	0.0405460	0.21962799	2.7206808	21	10 22.3	20.7
235286 2003 UQ_{36}	15.7	X	33.64826	148.24617	276.88395	9.32606	0.2161808	0.17635858	3.1492344	21	—	—
235287 2003 UL_{41}	16.7	X	145.52312	161.98653	15.86608	3.47073	0.0268215	0.21410524	2.7672678	21	8 31.2	20.6
235288 2003 UQ_{43}	16.2	X	18.47478	160.97415	183.19500	6.04818	0.0318215	0.22044672	2.7139403	21	10 24.1	19.6
235289 2003 UJ_{49}	16.1	X	148.33409	321.13721	355.31569	12.73289	0.2577492	0.23809874	2.5780895	21	—	—
235290 2003 UU_{50}	16.0	X	252.64409	77.19350	332.60354	4.99095	0.0692662	0.21016572	2.8017419	21	7 22.1	19.9
235291 2003 UY_{56}	15.0	X	146.68238	85.49305	223.34038	25.03954	0.2213657	0.17853070	3.1236385	21	—	—
235292 2003 UG_{58}	16.1	X	18.64025	48.53987	282.38631	4.80447	0.0518765	0.21858037	2.7293670	21	10 4.8	19.6
235293 2003 UK_{66}	15.5	X	147.93946	192.85515	163.89194	14.80245	0.1450601	0.18578491	3.0417890	21	1 27.2	20.3
235294 2003 UC_{69}	16.8	X	268.83947	211.86160	179.91640	4.33809	0.0802297	0.21107062	2.7937284	21	7 15.7	20.6
235295 2003 UU_{71}	16.5	X	239.47738	76.16503	342.81506	2.94164	0.0614996	0.20963305	2.8064860	21	7 18.4	20.4
235296 2003 UW_{73}	17.3	X	29.07080	187.17665	37.13682	20.83243	0.0365921	0.36815275	1.9280458	21	5 12.5	18.9
235297 2003 UN_{80}	16.2	X	71.20615	276.83406	42.04301	5.56265	0.0928706	0.22538466	2.6741544	21	12 6.5	19.9
235298 2003 UQ_{80}	16.8	X	79.45195	281.42112	49.13633	4.56439	0.1608014	0.22896665	2.6461913	21	—	—
235299 2003 UO_{83}	15.8	X	240.65817	100.85529	341.69334	6.27382	0.0732200	0.21045384	2.7991842	21	8 18.8	19.7
235300 2003 UN_{86}	15.8	X	59.80423	239.82382	83.63183	9.67642	0.1110283	0.22249295	2.6972749	21	12 1.9	19.6
235301 2003 UP_{91}	16.3	X	352.37494	164.68306	121.35542	3.01590	0.0340495	0.20635189	2.8361579	21	6 28.1	19.9
235302 2003 UD_{93}	15.9	X	108.11929	324.06359	351.73075	9.32826	0.1875792	0.23193989	2.6235283	21	—	—
235303 2003 UK_{94}	16.3	X	96.45488	310.00421	21.70313	4.82234	0.1880447	0.23157321	2.6262970	21	—	—
235304 2003 UA_{96}	16.2	X	348.73501	331.69764	30.44370	5.50711	0.1280880	0.21807794	2.7335576	21	10 8.7	19.1
235305 2003 UE_{97}	16.2	X	77.32300	286.67995	29.72365	13.73959	0.1416386	0.22542996	2.6737961	21	12 14.8	20.4
235306 2003 UM_{109}	14.8	X	75.23150	104.45361	227.17796	17.64879	0.1559119	0.17012626	3.2256840	21	12 22.7	19.8
235307 2003 UX_{112}	16.1	X	75.42402	217.28812	131.54704	5.86667	0.0382088	0.22824832	2.6517403	21	—	—
235308 2003 UO_{114}	16.9	X	307.82022	75.41208	306.20269	2.37429	0.1062704	0.21404142	2.7678178	21	8 24.1	20.0
235309 2003 UL_{122}	16.3	X	307.04133	1.29942	25.18390	4.33393	0.0812840	0.21362983	2.7713718	21	9 4.0	19.6
235310 2003 UC_{126}	16.4	X	312.27751	321.94501	64.45242	5.18724	0.0821657	0.21496174	2.7599122	21	9 13.3	19.8
235311 2003 UY_{128}	16.5	X	197.79683	83.40155	32.45470	6.22043	0.0832278	0.20801894	2.8209851	21	8 12.8	20.8
235312 2003 UL_{133}	15.8	X	171.41864	313.13280	335.36448	13.76144	0.1462794	0.23683581	2.5872465	21	—	—
235313 2003 UJ_{134}	16.1	X	267.79660	77.59711	343.18493	6.03604	0.1117959	0.21163749	2.7887376	21	8 19.1	19.8
235314 2003 UV_{140}	15.5	X	205.75733	156.68075	64.95560	16.02984	0.0335127	0.23018024	2.6368820	21	—	—
235315 2003 UP_{144}	16.0	X	286.67692	119.91939	281.45116	3.86058	0.1589088	0.21058590	2.7980138	21	8 9.7	19.6
235316 2003 UV_{144}	15.9	X	66.80918	43.17169	275.92842	7.65203	0.2665212	0.22506115	2.6767164	21	12 22.5	19.9
235317 2003 UK_{165}	15.9	X	292.78738	198.70222	224.81716	3.08857	0.0826170	0.21555075	2.7548821	21	9 29.9	19.4
235318 2003 UD_{171}	16.2	X	264.83164	118.88990	302.35315	2.36179	0.0827154	0.21018500	2.8015706	21	8 18.7	20.0
235319 2003 UG_{173}	15.4	X	127.82128	110.24967	230.51848	10.42029	0.1177966	0.17987995	3.1079990	21	—	—
235320 2003 UA_{175}	16.6	X	184.96756	264.62593	170.25885	2.61583	0.1487626	0.20084584	2.8877581	21	6 5.1	21.2
235321 2003 UA_{178}	15.1	X	44.70128	22.01154	27.82824	15.74583	0.1084497	0.17627309	3.1502525	21	—	—
235322 2003 UM_{178}	15.9	X	233.14130	33.18805	343.92893	1.90546	0.1939661	0.20188697	2.8778215	21	5 5.9	20.7
235323 2003 UU_{181}	16.7	X	328.53639	134.75552	235.00694	1.24538	0.0688323	0.21530662	2.7569642	21	9 13.5	19.9
235324 2003 UM_{185}	15.4	X	215.30370	33.29502	33.88854	13.94050	0.1448168	0.20403196	2.8576163	21	6 23.2	20.2
235325 2003 UF_{186}	16.4	X	292.22266	272.37945	151.50014	3.26471	0.1557897	0.21539202	2.7562354	21	9 20.9	19.7
235326 2003 UY_{189}	16.2	X	189.13943	30.47714	356.14476	1.74819	0.1023327	0.19495045	2.9456867	21	4 10.0	20.7
235327 2003 UY_{191}	15.3	X	341.26148	263.62754	229.58316	26.10147	0.3315128	0.17265935	3.1940569	21	—	—
235328 2003 UA_{195}	16.0	X	93.35533	328.60979	336.20238	2.20473	0.0817291	0.22286709	2.6942553	21	12 12.8	19.8
235329 2003 UG_{196}	16.5	X	343.57650	5.19661	353.15991	2.92929	0.1197961	0.21564033	2.7541191	21	9 22.1	19.6
235330 2003 UJ_{197}	15.9	X	93.64972	277.06763	99.45764	2.56871	0.1152306	0.17944839	3.1129800	21	—	—
235331 2003 UM_{198}	16.0	X	301.01607	206.60854	182.40012	11.61580	0.0845576	0.21206354	2.7850011	21	8 24.6	19.5
235332 2003 UT_{199}	16.0	X	298.78731	13.27285	56.15180	3.06477	0.1195227	0.21838300	2.7310113	21	10 14.9	19.0
235333 2003 UE_{201}	15.6	X	208.65479	286.79498	198.62120	12.05972	0.1232982	0.21106557	2.7937730	21	8 28.3	20.1
235334 2003 UK_{203}	15.5	X	172.64620	112.02927	30.08986	12.43519	0.0604131	0.20825322	2.8188691	21	8 22.5	19.9
235335 2003 UO_{207}	16.2	X	301.29874	150.24576	252.71996	3.30312	0.0662200	0.21438497	2.7648601	21	9 15.9	19.7
235336 2003 UT_{210}	15.4	X	20.15355	79.77624	237.31308	12.06804	0.1593917	0.21495452	2.7599741	21	9 29.1	18.8
235337 2003 UY_{215}	15.7	X	156.05308	78.62337	46.45626	15.53784	0.1035746	0.20379552	2.8598261	21	7 9.2	20.3
235338 2003 UL_{216}	16.0	X	305.71852	84.68547	340.15854	4.39155	0.0483887	0.21968650	2.7201977	21	10 24.2	19.4
235339 2003 UG_{222}	16.3	X	161.68257	337.18056	343.48049	3.77388	0.2859371	0.23951755	2.5678983	21	1 3.5	20.6
235340 2003 UP_{224}	16.0	X	61.12294	327.01214	3.93142	6.13073	0.0334118	0.22270318	2.6955771	21	11 30.1	19.8
235341 2003 UB_{238}	16.2	X	346.78465	279.83897	81.56728	5.29157	0.2483894	0.21680202	2.7442721	21	10 10.4	18.4
235342 2003 UF_{242}	16.5	X	90.05011	158.22704	181.85297	2.37121	0.1280192	0.22943851	2.6425619	21	—	—
235343 2003 UR_{242}	16.2	X	70.23021	268.74268	58.88685	7.93634	0.1707150	0.22513018	2.6761692	21	12 25.7	20.2
235344 2003 UC_{248}	16.5	X	49.35390	347.93902	28.27503	4.72184	0.1059560	0.22852558	2.6495950	21	—	—
235345 2003 UL_{255}	16.3	X	102.09510	255.28961	62.97577	6.47177	0.1887412	0.23035928	2.6355155	21	—	—
235346 2003 UH_{259}	16.0	X	349.59599	55.26594	279.19547	2.86104	0.1486041	0.21267522	2.7796586	21	8 28.5	18.9
235347 2003 UP_{260}	16.2	X	47.71057	302.47271	33.29718	6.28660	0.0383012	0.22194986	2.7016731	21	11 20.2	19.9
235348 2003 UQ_{266}	15.9	X	108.87049	225.06921	46.18181	7.65314	0.0566633	0.22030572	2.7150982	21	11 15.8	19.7
235349 2003 UM_{268}	16.0	X	41.39012	89.80933	226.59065	5.65632	0.0814761	0.21704725	2.7422046	21	10 23.6	19.4
235350 2003 UW_{268}	16.7	X	223.01016	246.49821	349.09982	4.54405	0.1986386	0.23644106	2.5901254	21	—	—
235351 2003 UD_{273}	15.6	X	75.08301	12.60446	37.03834	15.90020	0.0873201	0.18045591	3.1013823	21	—	—
235352 2003 UN_{282}	16.0	X	151.78514	162.22495	186.43207	8.83783	0.1741470	0.23885589	2.5726384	21	1 15.7	20.0
235353 2003 UZ_{303}	16.3	X	312.16882	38.14284	350.26309	4.69425	0.0584896	0.21479493	2.7613410	21	9 15.1	19.6
235354 2003 UP_{315}	16.0	X	47.16586	262.10654	150.23216	10.26692	0.2175100	0.17580864	3.1557983	21	—	—
235355 2003 UE_{323}	15.6	X	198.77927	59.28300	226.48023	8.48004	0.1276746	0.18354705	3.0664633	21	—	—
235356 2003 UZ_{329}	16.6	X	128.04135	292.81716	348.00904	4.33981	0.1351104	0.22834846	2.6509650	21	12 22.9	20.8
235357 2003 UH_{337}	17.0	X	199.75810	41.44817	184.74061	5.03609	0.0817560	0.23205645	2.6226497	21	12 31.2	20.9
235358 2003 UJ_{343}	16.0	X	100.39696	345.27067	198.29553	11.15908	0.1440689	0.21105924	2.7938289	21	7 23.9	20.3
235359 2003 US_{343}	16.9	X	6.28031	179.81680	170.39311	6.21286	0.0630554	0.21986417	2.7187320	21	10 18.0	20.2
235360 2003 UE_{359}	16.4	X	40.85956	108.93754	188.15995	4.14625	0.0380779	0.21493214	2.7601656	21	9 21.4	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235361 2003 UT_{365}	16.6	X	79.41432	298.41885	232.57950	1.10136	0.0104273	0.19962918	2.8994794	21	5 24.6	20.6
235362 2003 UQ_{378}	16.7	X	196.33171	216.50743	28.32289	1.62289	0.1226242	0.23523433	2.5989758	21	—	—
235363 2003 VU_{2}	14.9	X	226.34595	28.77823	9.01760	27.78061	0.1990210	0.19913394	2.9042847	21	5 14.2	20.2
235364 2003 WU_{6}	16.4	X	355.23929	3.30609	322.89240	2.81900	0.2316353	0.21462204	2.7628237	21	9 1.0	18.7
235365 2003 WF_{9}	15.4	X	146.22539	323.52179	9.29864	8.02718	0.2212492	0.18129281	3.0918303	21	1 8.8	20.4
235366 2003 WN_{11}	14.7	X	354.03903	167.59379	265.39011	18.39401	0.1325140	0.16945469	3.2342008	21	—	—
235367 2003 WL_{20}	15.4	X	179.26543	292.80627	23.96847	11.54091	0.0613386	0.18054526	3.1003591	21	1 9.6	20.2
235368 2003 WY_{23}	16.0	X	331.42258	255.97320	108.85914	5.43569	0.0867152	0.21229970	2.7829354	21	9 13.3	19.3
235369 2003 WZ_{23}	16.0	X	270.78325	310.96867	121.02680	5.37061	0.0483487	0.21186673	2.7867256	21	9 17.9	19.7
235370 2003 WX_{24}	16.9	X	308.79557	256.17852	35.84441	23.50767	0.0577694	0.36464047	1.9404069	21	4 18.3	18.6
235371 2003 WS_{27}	16.4	X	17.92308	35.81250	302.61845	4.12012	0.1695636	0.21779983	2.7358840	21	10 29.3	19.6
235372 2003 WP_{37}	15.3	X	42.35982	54.01773	6.69737	10.45348	0.0443258	0.17458307	3.1705501	21	—	—
235373 2003 WU_{38}	15.2	X	36.13852	76.16102	43.81091	12.76672	0.2618365	0.17652977	3.1471981	21	2 12.8	18.4
235374 2003 WE_{39}	15.9	X	67.03955	331.72084	0.46856	6.25197	0.1661583	0.22463410	2.6801078	21	12 27.9	19.9
235375 2003 WJ_{42}	16.0	X	122.98825	251.38879	65.24568	12.27941	0.2075814	0.23025166	2.6363367	21	—	—
235376 2003 WK_{44}	15.1	X	330.79974	176.28262	309.29182	11.73853	0.0490772	0.17421900	3.1749658	21	—	—
235377 2003 WL_{44}	15.3	X	25.97923	68.26798	351.80830	11.75110	0.1114730	0.17320381	3.1873597	21	—	—
235378 2003 WT_{48}	16.2	X	338.03247	179.29363	191.79820	3.99108	0.1319514	0.21489873	2.7604517	21	9 29.8	19.2
235379 2003 WY_{57}	15.7	X	338.23606	320.32240	49.80434	7.12066	0.0852060	0.21394344	2.7686628	21	10 2.6	19.1
235380 2003 WL_{62}	16.1	X	330.87235	149.91485	219.93761	4.83695	0.0930036	0.21261354	2.7801962	21	9 14.5	19.3
235381 2003 WK_{66}	15.1	X	63.02509	44.51518	45.45632	17.47161	0.2074638	0.17882794	3.1201763	21	2 24.5	19.1
235382 2003 WV_{77}	15.3	X	340.57639	9.44239	358.83268	13.37856	0.0735211	0.21614422	2.7498371	21	9 29.6	18.6
235383 2003 WE_{80}	15.4	X	132.76141	243.65529	56.66988	28.17305	0.2526936	0.22929389	2.6436729	21	—	—
235384 2003 WQ_{81}	16.1	X	159.83363	251.98209	20.89853	11.58566	0.1812732	0.23250323	2.6192888	21	—	—
235385 2003 WB_{83}	15.6	X	66.14277	289.09593	173.63266	13.96740	0.2521550	0.18297060	3.0729005	21	3 14.4	19.1
235386 2003 WL_{83}	15.0	X	179.65293	19.88507	12.45403	12.16988	0.1428252	0.19275914	2.9679693	21	4 8.4	19.7
235387 2003 WC_{96}	16.1	X	37.60784	3.71876	61.25460	2.69977	0.1893341	0.17585464	3.1552479	21	—	—
235388 2003 WG_{96}	16.2	X	297.88820	334.05446	48.56363	3.62978	0.1275122	0.21050842	2.7987003	21	8 8.5	19.6
235389 2003 WV_{96}	15.9	X	274.61183	328.32583	73.74677	5.00215	0.1030587	0.20881737	2.8137897	21	8 4.9	19.6
235390 2003 WG_{99}	15.2	X	355.45687	67.39788	53.18426	26.52532	0.1953610	0.17392715	3.1785165	21	—	—
235391 2003 WT_{101}	16.2	X	175.30872	349.20595	63.07417	4.95980	0.1211432	0.19553961	2.9397669	21	4 29.4	20.8
235392 2003 WS_{125}	14.7	X	22.03345	237.01395	280.03370	15.62727	0.1673232	0.17897193	3.1185026	21	2 16.1	18.4
235393 2003 WF_{130}	15.1	X	237.23171	203.83506	51.56392	11.22899	0.0734900	0.17796325	3.1302751	21	—	—
235394 2003 WX_{134}	16.1	X	183.07533	348.66469	69.94698	7.28480	0.2081871	0.19598383	2.9353230	21	5 15.6	21.2
235395 2003 WS_{151}	16.2	X	212.49804	233.53682	189.83927	7.56584	0.0847731	0.20132868	2.8831392	21	6 19.8	20.6
235396 2003 WH_{155}	15.6	X	160.49120	310.30900	111.72072	10.09577	0.0720227	0.19336228	2.9617941	21	4 27.4	20.2
235397 2003 WD_{161}	16.2	X	322.03937	261.64213	82.01581	3.19693	0.0809240	0.20656456	2.8342109	21	7 28.8	19.6
235398 2003 WV_{162}	15.7	X	78.35781	235.61238	71.52620	12.77043	0.1551096	0.22141153	2.7060505	21	12 6.9	19.7
235399 2003 WN_{163}	16.5	X	256.29252	78.21348	303.91600	1.74230	0.0725261	0.20187935	2.8778939	21	6 18.7	20.5
235400 2003 WE_{169}	15.5	X	95.08983	172.87440	184.03489	10.67459	0.2074660	0.17592171	3.1544459	21	—	—
235401 2003 WL_{169}	14.9	X	61.12605	339.97544	66.82007	16.49362	0.2590698	0.17323673	3.1869559	21	—	—
235402 2003 WR_{173}	15.2	X	169.35664	236.09864	60.91819	12.25791	0.2127177	0.17862122	3.1225832	21	—	—
235403 2003 WM_{185}	16.0	X	8.68986	222.40636	75.67193	3.16165	0.0386694	0.20287946	2.8684282	21	8 8.4	19.7
235404 2003 XU_{1}	16.3	X	243.65243	212.96380	163.02213	3.14855	0.2560561	0.20232946	2.8736242	21	5 10.9	21.1
235405 2003 XK_{2}	15.9	X	100.56386	300.59449	160.39981	4.79134	0.2207658	0.18740783	3.0242026	21	4 24.5	20.3
235406 2003 XX_{14}	15.5	X	28.39357	101.58696	8.18226	25.59079	0.2734372	0.17715516	3.1397870	21	1 9.4	19.0
235407 2003 XX_{18}	15.9	X	168.63877	291.66471	98.77474	2.64714	0.2133375	0.19103880	2.9857607	21	4 1.7	20.9
235408 2003 XF_{20}	16.0	X	43.40818	93.81776	79.82031	15.61013	0.2151336	0.18295420	3.0730843	21	5 7.7	19.5
235409 2003 XS_{22}	15.8	X	30.28553	331.32168	15.56767	9.64512	0.1555573	0.22074559	2.7114901	21	11 26.8	19.3
235410 2003 XR_{33}	16.7	X	19.99609	105.30801	199.89738	3.22523	0.0805340	0.20950882	2.8075953	21	9 5.8	20.1
235411 2003 XJ_{34}	16.7	X	99.58423	223.17224	236.25078	0.79585	0.1869329	0.18688626	3.0298268	21	4 15.1	21.1
235412 2003 XM_{38}	15.4	X	94.23727	93.20613	340.52421	14.42473	0.2472156	0.18250665	3.0781061	21	3 14.5	19.7
235413 2003 YY_{2}	15.8	X	67.13063	350.99506	110.38525	2.67554	0.1639934	0.17948592	3.1125460	21	3 3.1	19.6
235414 2003 YM_{11}	15.3	X	76.88305	20.31410	65.14399	15.21175	0.1438355	0.17983747	3.1084885	21	3 1.6	19.6
235415 2003 YL_{16}	14.8	X	55.34229	37.86028	96.71647	18.57982	0.1781318	0.17887809	3.1195931	21	4 7.6	19.0
235416 2003 YO_{19}	16.2	X	217.49777	213.77043	213.83702	1.18304	0.0945592	0.20134975	2.8829381	21	6 30.0	20.5
235417 2003 YF_{24}	16.3	X	70.94635	124.57291	317.42643	2.44987	0.1902799	0.18039861	3.1020390	21	2 14.6	20.1
235418 2003 YB_{31}	15.3	X	121.65617	335.38406	82.77403	11.31975	0.0560052	0.18404585	3.0609203	21	3 9.8	19.8
235419 2003 YJ_{31}	14.8	X	281.06646	109.98860	77.08818	22.97732	0.0931435	0.17088265	3.2161582	21	—	—
235420 2003 YA_{34}	15.1	X	300.81406	290.05864	26.40371	12.25902	0.0364174	0.19738561	2.9214092	21	5 24.2	19.3
235421 2003 YW_{37}	15.1	X	106.21577	137.79776	319.30291	9.24247	0.0871116	0.18284631	3.0742930	21	4 2.3	19.6
235422 2003 YQ_{41}	15.6	X	339.48014	78.29647	108.10836	15.32176	0.2133942	0.17333793	3.1857155	21	1 14.4	19.6
235423 2003 YQ_{45}	15.5	X	72.36320	45.12228	79.92843	7.35609	0.1769501	0.18633886	3.0357576	21	4 13.8	19.4
235424 2003 YF_{51}	16.3	X	107.86700	0.45905	81.46945	2.82911	0.2919727	0.18456154	3.0552159	21	4 17.4	20.9
235425 2003 YA_{69}	16.0	X	267.24769	232.42909	179.88489	6.73463	0.0956493	0.20829164	2.8185224	21	8 6.8	19.9
235426 2003 YH_{70}	15.3	X	63.00312	22.40150	114.11143	13.41425	0.1117946	0.18115475	3.0934011	21	4 9.3	19.5
235427 2003 YP_{70}	16.8	X	228.56569	46.71734	272.59238	17.69996	0.0499457	0.35153110	1.9883532	21	1 28.7	19.4
235428 2003 YK_{71}	14.8	X	278.78484	266.70013	271.62684	7.38630	0.0457196	0.17056147	3.2201944	21	—	—
235429 2003 YM_{79}	15.7	X	139.96582	97.42023	316.31541	5.00018	0.1495764	0.18506995	3.0496180	21	3 27.4	20.4
235430 2003 YL_{81}	15.7	X	83.93939	15.16800	88.80754	9.64726	0.1665200	0.18246195	3.0786088	21	4 3.9	19.9
235431 2003 YW_{87}	15.4	X	66.59236	318.79080	101.63938	15.84281	0.2786007	0.17457663	3.1706282	21	1 26.3	18.9
235432 2003 YF_{92}	15.1	X	24.01101	45.07174	61.53317	16.75673	0.1032527	0.17912840	3.1166863	21	—	—
235433 2003 YW_{93}	15.2	X	8.61946	222.23129	299.24297	26.39718	0.1850141	0.17501287	3.1653572	21	1 30.9	18.8
235434 2003 YM_{97}	15.9	X	305.50105	312.38022	106.69087	4.90158	0.0772982	0.21458437	2.7631470	21	10 17.2	19.3
235435 2003 YP_{106}	15.2	X	154.45617	324.85316	103.88237	12.31292	0.0402854	0.18618084	3.0374751	21	4 28.1	19.8
235436 2003 YS_{109}	16.0	X	106.67245	177.18174	224.03781	3.08429	0.1837465	0.17766077	3.1338271	21	2 11.2	20.5
235437 2003 YZ_{111}	15.7	X	68.54609	54.55081	61.43475	15.73192	0.2572214	0.18235962	3.0797604	21	4 12.9	19.6
235438 2003 YG_{112}	15.7	X	82.67789	141.53168	285.82446	11.01163	0.3380035	0.18068410	3.0987706	21	3 2.9	19.9
235439 2003 YN_{115}	15.1	X	356.58710	114.77403	80.70153	17.50168	0.2140581	0.17772277	3.1330981	21	3 3.8	18.9
235440 2003 YK_{120}	16.0	X	143.02387	289.19574	154.98932	1.26061	0.1341737	0.18917671	3.0053215	21	5 7.3	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235441 2003 YV_{123}	16.5	X	215.10783	230.71968	212.06304	1.37986	0.0349072	0.20272624	2.8698734	21	7 21.4	20.6
235442 2003 YZ_{131}	15.6	X	192.10442	0.29803	43.17326	10.49450	0.0795708	0.19085660	2.9876606	21	5 4.2	20.2
235443 2003 YE_{132}	15.3	X	262.08186	13.11712	339.17415	11.17583	0.0319459	0.19247128	2.9709278	21	5 20.7	19.7
235444 2003 YF_{132}	15.2	X	108.73321	105.42882	336.98951	11.88678	0.0513513	0.18237490	3.0795884	21	3 15.2	19.6
235445 2003 YF_{134}	15.2	X	262.66322	231.99788	69.81887	17.20041	0.0325431	0.18338293	3.0682926	21	4 1.5	19.9
235446 2003 YT_{139}	15.5	X	100.08002	357.15768	104.47302	14.01153	0.1534213	0.18393009	3.0622046	21	4 21.2	20.1
235447 2003 YB_{141}	15.5	X	144.82739	39.81254	28.17667	10.73468	0.1079199	0.18833155	3.0143059	21	4 16.8	19.9
235448 2003 YH_{141}	15.7	X	220.84955	40.28280	9.96136	10.39830	0.0827076	0.19760488	2.9192476	21	6 11.2	20.3
235449 2003 YZ_{145}	16.2	X	68.36749	91.00406	22.95356	9.90693	0.1945077	0.17963817	3.1107872	21	3 26.5	20.1
235450 2003 YB_{147}	15.6	X	276.69692	5.84642	14.78162	12.99014	0.0952756	0.20446004	2.8536262	21	7 12.4	19.8
235451 2003 YL_{148}	15.9	X	46.82442	85.81364	342.21029	12.36879	0.2939486	0.17347690	3.1840138	21	—	—
235452 2003 YZ_{148}	14.6	X	284.42449	20.10898	76.12396	22.40126	0.0605191	0.15599462	3.4176661	21	11 3.3	19.6
235453 2003 YN_{149}	15.1	X	55.00128	109.90892	351.94770	16.01018	0.1873946	0.17669401	3.1452475	21	2 18.6	18.8
235454 2003 YA_{150}	15.4	X	71.57712	151.75902	345.48554	8.66051	0.0753930	0.18512003	3.0490680	21	4 7.5	19.5
235455 2003 YS_{150}	15.6	X	349.23201	88.07537	55.45253	11.48971	0.2655327	0.16938983	3.2350264	21	—	—
235456 2003 YC_{151}	15.3	X	68.72973	72.04811	35.14487	13.72143	0.1968433	0.17890881	3.1192360	21	3 22.5	19.2
235457 2003 YP_{153}	15.1	X	97.06863	24.54340	51.67170	16.31996	0.1198823	0.18133989	3.0912953	21	3 14.7	19.6
235458 2003 YZ_{156}	16.0	X	187.63275	209.48139	177.74106	6.80643	0.1254581	0.19231855	2.9725005	21	4 11.3	20.7
235459 2003 YP_{162}	15.7	X	124.01068	61.16884	18.45047	10.88870	0.1215917	0.18585036	3.0410749	21	4 9.9	20.1
235460 2003 YS_{162}	15.4	X	17.45832	145.88706	356.81361	7.10424	0.1377183	0.17715344	3.1398073	21	1 31.1	19.1
235461 2003 YG_{164}	15.4	X	305.46125	118.95011	60.26889	5.28309	0.1701866	0.17268364	3.1937574	21	—	—
235462 2003 YN_{165}	16.1	X	151.72180	340.36443	129.22513	2.78947	0.0536371	0.19670754	2.9281189	21	6 10.9	20.4
235463 2003 YQ_{165}	16.8	X	95.99669	282.09676	135.69104	2.66664	0.1655108	0.18166278	3.0876312	21	2 16.4	20.8
235464 2003 YS_{165}	15.4	X	120.82310	344.49426	85.49876	11.07593	0.0890842	0.18168136	3.0874207	21	3 28.2	20.1
235465 2003 YL_{174}	16.1	X	82.26218	276.06609	191.91121	1.84351	0.1724193	0.18495518	3.0508795	21	4 1.9	20.1
235466 2003 YB_{182}	15.8	X	141.07361	253.02865	86.52001	2.34133	0.1218775	0.16998256	3.2275017	21	1 2.3	20.6
235467 2004 AA_{3}	15.2	X	64.51500	355.25733	125.84939	18.48024	0.1642022	0.17919811	3.1158779	21	3 30.4	19.4
235468 2004 AB_{3}	15.5	X	60.01602	137.70553	347.27829	12.89647	0.1306173	0.18130092	3.0917382	21	3 15.3	19.4
235469 2004 AH_{14}	15.6	X	181.56742	274.40684	157.05291	10.94850	0.1109929	0.19141068	2.9818922	21	5 30.5	20.4
235470 2004 AF_{22}	15.9	X	6.12720	35.57690	157.97718	1.11317	0.1112795	0.18003905	3.1061677	21	3 17.3	19.4
235471 2004 BZ_{15}	15.0	X	335.20792	97.62778	113.50927	11.44587	0.1244746	0.17451139	3.1714184	21	2 22.3	19.2
235472 2004 BX_{17}	15.5	X	358.30221	155.71267	23.03854	13.27022	0.0935173	0.17639623	3.1487862	21	2 22.2	19.7
235473 2004 BY_{17}	15.5	X	74.18740	64.20028	38.50529	12.67648	0.0966300	0.17835893	3.1256437	21	3 11.5	19.8
235474 2004 BH_{18}	14.9	X	120.26730	67.97475	18.25778	18.65191	0.0648559	0.18206463	3.0830861	21	4 7.5	19.1
235475 2004 BK_{25}	15.2	X	92.49399	158.91016	287.52681	8.35626	0.0670674	0.17916248	3.1162910	21	3 1.4	19.6
235476 2004 BG_{32}	15.7	X	101.18445	99.91981	358.22618	2.72711	0.0595332	0.18164371	3.0878472	21	3 28.9	19.9
235477 2004 BZ_{35}	16.1	X	50.92475	123.74811	30.53581	2.95155	0.0826266	0.18084227	3.0969634	21	4 4.8	20.1
235478 2004 BM_{36}	15.7	X	335.83182	168.25106	85.66220	2.15419	0.1524732	0.18285393	3.0742075	21	4 12.3	19.4
235479 2004 BF_{38}	14.9	X	59.73196	317.71167	136.70685	28.26308	0.2728290	0.17443088	3.1723942	21	2 27.2	18.5
235480 2004 BL_{42}	16.0	X	67.05544	300.38707	138.14727	9.56513	0.2943421	0.17542145	3.1604402	21	2 21.7	19.5
235481 2004 BM_{45}	15.7	X	159.84841	307.96126	138.58550	4.32271	0.1506802	0.19166083	2.9792970	21	5 28.1	20.5
235482 2004 BS_{46}	14.9	X	88.29660	175.28846	302.01660	16.35675	0.1442652	0.18150920	3.0893725	21	4 9.1	19.5
235483 2004 BQ_{51}	14.9	X	262.35728	131.67173	131.32733	17.79585	0.0880922	0.17280899	3.1922128	21	1 30.6	19.6
235484 2004 BE_{53}	16.1	X	91.01932	20.71026	138.34818	3.07756	0.1559952	0.18878457	3.0094818	21	6 15.4	20.3
235485 2004 BD_{56}	15.3	X	8.54283	73.95925	143.85809	12.71581	0.0852118	0.18123527	3.0924848	21	4 27.2	19.4
235486 2004 BT_{64}	16.2	X	117.64124	115.74564	358.38504	2.00300	0.0415501	0.18681587	3.0305878	21	5 4.9	20.6
235487 2004 BC_{67}	15.6	X	147.33316	256.91549	124.97419	11.88666	0.2317490	0.18187725	3.0852034	21	3 9.2	20.8
235488 2004 BJ_{67}	15.9	X	148.58188	81.53259	347.50083	0.64243	0.0757486	0.18582028	3.0414031	21	4 19.1	20.3
235489 2004 BJ_{73}	15.2	X	328.00391	84.88007	144.93301	23.64822	0.2630218	0.17507691	3.1645853	21	2 12.2	19.3
235490 2004 BV_{73}	14.9	X	41.04573	207.01644	316.00502	16.28613	0.1617308	0.17906315	3.1174433	21	3 29.2	18.8
235491 2004 BX_{86}	15.3	X	327.09146	86.59462	140.30519	25.43397	0.2966898	0.17168982	3.2060702	21	2 2.7	19.6
235492 2004 BK_{89}	15.3	X	351.80469	39.63782	160.85488	15.05999	0.2211333	0.17423523	3.1747685	21	2 19.8	18.8
235493 2004 BP_{91}	14.7	X	31.08291	16.69040	150.71940	22.17842	0.0305846	0.17769410	3.1334352	21	3 24.8	19.1
235494 2004 BZ_{91}	15.3	X	125.24997	285.97118	146.46031	15.36012	0.0854363	0.18139214	3.0907016	21	4 3.0	19.9
235495 2004 BE_{92}	14.6	X	167.31863	232.53276	142.56021	27.92712	0.1545993	0.17946541	3.1127833	21	3 13.7	19.8
235496 2004 BN_{93}	15.3	X	8.48769	323.81148	212.92407	14.06685	0.2206653	0.17515415	3.1636548	21	2 16.6	18.9
235497 2004 BP_{94}	14.9	X	356.49799	283.82136	280.93309	24.16370	0.2565210	0.17505876	3.1648040	21	2 17.0	18.7
235498 2004 BH_{97}	14.8	X	52.43844	341.03440	160.79223	26.58078	0.1269029	0.17540822	3.1605992	21	3 30.2	18.9
235499 2004 BQ_{101}	15.0	X	6.72629	268.11090	266.13692	12.20343	0.1872890	0.17350238	3.1837022	21	2 12.2	18.8
235500 2004 BU_{101}	15.6	X	331.45713	62.90574	147.22684	10.79295	0.1718663	0.17391076	3.1787162	21	2 6.2	19.6
235501 2004 BK_{103}	14.8	X	338.25583	127.99390	104.27535	29.08010	0.2237566	0.17214082	3.2004678	21	3 22.7	19.2
235502 2004 BV_{105}	15.1	X	325.73431	110.20393	111.33669	16.76660	0.2005883	0.17441349	3.1726049	21	2 10.5	19.3
235503 2004 BL_{106}	15.3	X	48.73161	23.99958	114.03326	10.27770	0.0248181	0.17799071	3.1299530	21	3 11.3	19.7
235504 2004 BH_{114}	14.5	X	318.01803	105.83088	133.19239	26.27774	0.2512131	0.17155803	3.2077119	21	2 13.2	18.9
235505 2004 BY_{115}	15.1	X	276.64970	307.69041	340.60267	9.75863	0.0518774	0.18248146	3.0783894	21	3 18.5	19.4
235506 2004 BC_{119}	15.7	X	139.51060	97.59573	333.09262	8.17772	0.1314056	0.18476190	3.0530068	21	4 13.4	20.5
235507 2004 BQ_{120}	15.4	X	39.45319	129.89899	1.79258	11.60201	0.1884694	0.17594773	3.1541349	21	2 28.0	18.8
235508 2004 BG_{132}	15.8	X	116.14715	92.16731	334.61497	13.93887	0.1239302	0.18074399	3.0980860	21	3 14.2	20.4
235509 2004 BH_{138}	16.3	X	155.41188	144.17258	289.15474	0.74420	0.0250048	0.18623933	3.0368391	21	4 27.8	20.5
235510 2004 BD_{146}	15.6	X	178.17359	317.62652	92.69522	6.85356	0.1217723	0.18852350	3.0122596	21	5 1.8	20.4
235511 2004 BP_{147}	15.4	X	104.98171	0.13126	91.40532	12.15682	0.1277594	0.18452266	3.0556451	21	4 10.4	19.9
235512 2004 BM_{148}	15.3	X	252.43243	169.62498	106.82070	11.01146	0.0722297	0.17609928	3.1523251	21	2 7.5	20.0
235513 2004 BM_{152}	15.3	X	218.24958	236.78413	102.10836	13.45750	0.0281856	0.18207965	3.0829166	21	3 23.3	20.0
235514 2004 BX_{152}	16.7	X	38.54267	50.39659	92.75509	2.62258	0.1352353	0.17807527	3.1289622	21	3 7.6	20.3
235515 2004 BL_{154}	16.4	X	95.49443	101.05083	317.91649	4.10045	0.1635986	0.17692005	3.1425679	21	2 17.2	20.6
235516 2004 BC_{158}	15.4	X	76.52141	247.24905	216.55357	12.72298	0.1099934	0.17689369	3.1428801	21	3 7.9	19.7
235517 2004 BU_{161}	15.8	X	158.08683	230.57381	107.45131	3.52863	0.1180802	0.17170588	3.2058702	21	1 16.9	20.6
235518 2004 CE_{2}	16.1	X	42.68359	298.96408	178.33767	2.98242	0.1579594	0.17376992	3.1804335	21	2 9.6	19.7
235519 2004 CA_{3}	15.8	X	94.99872	130.04372	343.52658	15.36576	0.1237821	0.18361383	3.0657198	21	4 11.9	20.3
235520 2004 CC_{3}	15.5	X	196.02808	236.63433	179.64330	10.27245	0.0909515	0.19109098	2.9852171	21	5 25.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235521 2004 CR_4	16.0	X	68.61244	82.59767	47.37010	3.86966	0.1803389	0.17989972	3.1077713	21	4 13.2	19.9
235522 2004 CJ_6	15.1	X	104.36503	315.11772	112.35083	15.19569	0.1322296	0.17676918	3.1443558	21	3 11.6	19.7
235523 2004 CG_{20}	16.0	X	54.79598	81.70470	358.91279	3.98004	0.1879169	0.17271016	3.1934305	21	1 19.5	19.6
235524 2004 CR_{21}	15.6	X	86.46583	175.83981	297.57754	5.46738	0.0969684	0.17974278	3.1095801	21	4 1.1	19.9
235525 2004 CJ_{32}	15.7	X	94.38719	263.27537	137.85675	13.38535	0.1291419	0.17335243	3.1855378	21	1 20.9	20.0
235526 2004 CJ_{51}	14.9	X	356.36207	74.44164	152.88355	22.65109	0.1629733	0.18039750	3.1020518	21	4 16.9	18.8
235527 2004 CJ_{60}	15.5	X	132.41597	73.95506	351.77715	11.03918	0.2170571	0.18294304	3.0732092	21	4 8.9	20.5
235528 2004 CJ_{62}	15.8	X	14.45227	164.38206	65.82230	9.14428	0.0381541	0.18428201	3.0583047	21	5 17.7	19.7
235529 2004 CA_{63}	15.5	X	99.00794	76.52194	19.88534	10.59297	0.0782417	0.17946236	3.1128185	21	3 28.7	19.7
235530 2004 CP_{63}	14.6	X	54.84401	59.02766	25.22468	15.02431	0.0808669	0.16916555	3.2378851	21	1 18.7	19.1
235531 2004 CS_{67}	15.5	X	349.85849	163.60476	4.42584	4.44183	0.1208862	0.17150144	3.2084174	21	1 20.9	19.6
235532 2004 CD_{68}	15.1	X	333.52456	239.25166	354.67214	15.97906	0.1859065	0.17583667	3.1554629	21	3 10.3	18.9
235533 2004 CJ_{70}	15.4	X	21.73527	346.12687	126.11983	12.49508	0.1224059	0.17084787	3.2165947	21	—	—
235534 2004 CS_{70}	15.6	X	33.94323	100.38786	88.96333	2.29160	0.1051348	0.18153456	3.0890849	21	4 26.7	19.2
235535 2004 CU_{70}	15.6	X	44.37529	330.05027	137.69789	5.85001	0.1494847	0.17316131	3.1878812	21	1 31.5	19.3
235536 2004 CT_{82}	15.3	X	345.62561	41.25268	138.45999	9.62131	0.0372194	0.17235558	3.1978088	21	2 5.5	19.5
235537 2004 CW_{94}	15.5	X	5.52197	345.23464	182.60160	5.23645	0.1309142	0.17223800	3.1992639	21	2 10.4	19.4
235538 2004 CY_{101}	15.2	X	68.89833	306.67148	220.76092	8.35255	0.2363267	0.18309588	3.0714986	21	6 9.7	19.2
235539 2004 CX_{105}	15.4	X	97.56504	259.18044	197.49343	14.22081	0.1464916	0.17889323	3.1194171	21	4 4.3	19.8
235540 2004 CE_{108}	15.1	X	341.72328	244.42963	323.88206	8.05553	0.0414230	0.17421817	3.1749758	21	3 4.8	19.5
235541 2004 CS_{112}	15.7	X	30.94842	62.89546	87.32197	9.00001	0.1317825	0.17710848	3.1403386	21	3 7.2	19.6
235542 2004 DL_4	15.4	X	83.84779	338.25539	93.05035	7.53773	0.2054179	0.17478399	3.1681199	21	2 26.8	19.6
235543 2004 DG_{15}	15.3	X	69.27493	303.05610	141.79796	17.73089	0.1578581	0.17345643	3.1842643	21	2 13.0	19.3
235544 2004 DH_{15}	15.0	X	332.30365	68.16651	146.77841	22.52106	0.0429283	0.17487744	3.1669913	21	3 3.8	19.4
235545 2004 DR_{19}	16.0	X	346.40078	200.08642	1.70332	2.30483	0.1208026	0.17440213	3.1727427	21	2 25.4	19.8
235546 2004 DR_{26}	16.7	X	15.50791	41.36983	58.21553	1.65044	0.2785763	0.16875838	3.2430911	21	—	—
235547 2004 DA_{27}	16.1	X	9.19839	4.28848	99.47346	3.23663	0.2830111	0.16653336	3.2719141	21	—	—
235548 2004 DY_{28}	15.7	X	49.16252	81.32182	40.63903	2.33609	0.1022737	0.17360831	3.1824070	21	2 23.8	19.7
235549 2004 DV_{65}	15.5	X	304.14576	264.76104	330.76825	6.01321	0.1028731	0.17402837	3.1772838	21	2 12.1	20.0
235550 2004 EW_{11}	15.0	X	0.03338	223.20597	316.91312	8.51140	0.0469406	0.17394448	3.1783054	21	2 22.4	19.3
235551 2004 EW_{18}	15.0	X	24.87549	206.50731	54.18511	13.13926	0.2603907	0.18518895	3.0483114	21	8 9.7	18.4
235552 2004 EC_{50}	15.4	X	280.90019	85.71760	182.25199	5.17853	0.1329557	0.17119777	3.2122103	21	2 19.2	20.2
235553 2004 ED_{63}	15.4	X	351.13325	352.67152	193.63626	8.62024	0.0697465	0.17078656	3.2173645	21	2 15.9	19.7
235554 2004 EO_{85}	15.4	X	30.18937	166.99636	41.69363	6.00166	0.0962878	0.17942969	3.1131963	21	5 14.6	19.3
235555 2004 EA_{114}	15.4	X	77.50097	65.58016	9.18547	16.76888	0.1208569	0.16957277	3.2326993	21	2 15.4	19.9
235556 2004 FV_{21}	15.4	X	52.72384	304.46966	187.56348	22.53701	0.0816326	0.17305594	3.1891752	21	3 8.8	19.6
235557 2004 FW_{26}	15.2	X	232.04969	149.62379	181.32168	8.89555	0.0717556	0.17387024	3.1792099	21	3 20.9	19.9
235558 2004 FD_{51}	15.4	X	331.51089	75.18111	167.85578	10.87436	0.1052518	0.17311475	3.1884528	21	3 30.5	19.5
235559 2004 FL_{92}	15.8	X	153.44272	301.92568	180.08197	12.60627	0.0253557	0.18575662	3.0420979	21	6 26.6	20.4
235560 2004 FU_{98}	17.7	X	156.38530	307.40820	158.67700	3.40525	0.0954459	0.29930872	2.2133825	21	6 11.8	20.7
235561 2004 FU_{158}	16.2	X	42.78641	19.48845	159.97627	1.45484	0.1058367	0.18049691	3.1009127	21	4 27.6	19.9
235562 2004 GW_1	16.8	X	94.31498	143.44015	55.93259	4.81226	0.1420243	0.29961518	2.2118729	21	8 15.3	19.6
235563 2004 GE_{12}	16.0	X	42.85719	340.16639	231.50950	23.85824	0.1454307	0.29322633	2.2438858	21	6 7.4	18.2
235564 2004 GS_{17}	18.0	X	98.96380	280.07278	0.17052	3.69453	0.1348375	0.31359567	2.1456358	21	12 6.8	21.0
235565 2004 GU_{39}	16.9	X	85.84546	345.84176	329.36878	5.33033	0.1857126	0.31287577	2.1489258	21	—	—
235566 2004 GP_{73}	15.4	X	251.76727	176.07961	147.98771	3.22325	0.1596184	0.17447567	3.1718512	21	3 26.7	20.5
235567 2004 HK_{15}	14.6	X	179.26350	213.31493	228.20292	2.63050	0.1650202	0.12528617	3.9554931	21	6 9.7	20.9
235568 2004 HN_{33}	15.3	X	328.41064	85.33519	198.73026	24.92719	0.2539904	0.17440971	3.1726508	21	4 26.5	19.0
235569 2004 HC_{53}	14.9	X	345.78208	188.43823	54.09681	26.25734	0.2289357	0.17402225	3.1773583	21	4 17.4	18.7
235570 2004 HW_{55}	15.1	X	38.02540	105.14127	78.23744	16.98114	0.0352303	0.17318086	3.1876414	21	4 27.3	19.7
235571 2004 JC_{35}	16.0	X	30.77679	130.61969	206.92110	6.33579	0.2504422	0.24541826	2.5265708	21	12 8.0	19.1
235572 2004 JN_{45}	15.3	X	305.48730	239.22063	55.70474	26.93432	0.1677173	0.17231108	3.1983592	21	4 26.5	19.8
235573 2004 KB_8	16.8	X	75.40606	244.93388	89.07500	4.61729	0.2255781	0.31219973	2.1520269	21	—	—
235574 2004 KO_8	15.0	X	215.93142	82.53042	194.03384	9.76792	0.1564914	0.15444928	3.4404252	21	1 1.7	20.7
235575 2004 KP_{10}	17.2	X	69.83364	191.82070	122.28945	5.45789	0.0972738	0.30959520	2.1640796	21	12 16.1	19.9
235576 2004 LN_{18}	15.8	X	49.37330	180.93897	138.61316	12.66668	0.2274855	0.24550149	2.5259997	21	12 6.5	19.5
235577 2004 LO_{28}	17.3	X	88.34654	15.12974	191.50121	5.60127	0.1089986	0.29154400	2.2525096	21	8 8.4	20.1
235578 2004 MP_2	16.1	X	15.60009	120.09499	106.71788	22.50107	0.2082957	0.28548453	2.2842712	21	5 17.2	18.2
235579 2004 MR_2	15.1	X	254.75338	54.34548	288.79924	32.66641	0.2966701	0.21701840	2.7424477	21	3 16.7	20.7
235580 2004 NX_{27}	17.1	X	98.54980	3.15376	251.93191	3.56195	0.1201351	0.29977679	2.2110779	21	10 30.8	20.2
235581 2004 NB_{33}	16.4	X	268.00061	358.06409	267.20308	3.31627	0.0228884	0.20974643	2.8054746	21	2 8.2	20.3
235582 2004 NP_{33}	16.7	X	228.55279	185.30340	135.39451	7.03653	0.1310059	0.27079696	2.3661386	21	2 19.1	20.2
235583 2004 OG_7	17.3	X	355.16373	5.81167	299.04869	2.84236	0.1918414	0.29054036	2.2576939	21	8 2.0	18.6
235584 2004 OY_{12}	14.2	X	78.24140	162.20736	120.47472	15.24711	0.1956893	0.12551724	3.9506370	21	11 5.6	20.2
235585 2004 PY_1	16.8	X	280.10633	333.67493	346.86547	6.77144	0.1321780	0.27917602	2.3185545	21	4 11.1	19.9
235586 2004 PG_3	17.7	X	59.17271	204.24573	99.37103	3.40135	0.1975803	0.30011688	2.2094072	21	11 30.3	20.7
235587 2004 PD_8	16.9	X	300.83039	1.49564	318.96809	6.21311	0.0811565	0.28131738	2.3067738	21	5 18.4	19.6
235588 2004 PF_8	16.9	X	284.78731	148.40404	146.21092	6.77611	0.1853573	0.27595777	2.3365458	21	3 10.2	20.1
235589 2004 PC_{13}	17.0	X	170.83553	85.77035	312.28842	6.53368	0.1142890	0.27128795	2.3632829	21	3 26.9	20.6
235590 2004 PS_{16}	16.9	X	299.54281	355.10511	354.09180	8.08336	0.1695234	0.28655444	2.2785818	21	6 14.5	19.6
235591 2004 PR_{25}	16.4	X	33.20116	351.87087	335.50305	6.43708	0.1280679	0.23944762	2.5683982	21	11 4.2	19.6
235592 2004 PQ_{28}	17.2	X	243.49906	17.19210	332.56429	3.07057	0.2755994	0.27490790	2.3424909	21	4 1.2	21.2
235593 2004 PZ_{28}	16.9	X	241.11213	8.19601	322.21032	6.29575	0.1312666	0.27226687	2.3576148	21	3 12.9	20.5
235594 2004 PX_{40}	17.0	X	284.47342	227.40591	105.85235	3.37905	0.2371723	0.27821576	2.3238864	21	4 23.6	20.3
235595 2004 PZ_{44}	16.7	X	108.15498	10.97813	3.41439	6.51321	0.1300290	0.25632065	2.4544093	21	—	—
235596 2004 PP_{46}	17.4	X	218.22562	191.93182	168.27976	7.07904	0.1338735	0.27281405	2.3544613	21	3 31.3	20.9
235597 2004 PJ_{49}	16.9	X	109.10381	24.78142	14.38186	4.59009	0.2270932	0.25986080	2.4320670	21	2 5.8	19.8
235598 2004 PB_{50}	16.8	X	36.46671	283.99911	349.47774	6.89183	0.1519646	0.29130930	2.2537193	21	9 7.6	18.9
235599 2004 PB_{52}	16.5	X	257.35336	217.35261	133.25431	10.60562	0.1561382	0.27774860	2.3264915	21	4 29.6	20.0
235600 2004 PV_{55}	17.1	X	284.41763	206.92040	133.02247	7.44391	0.1874140	0.28028580	2.3124303	21	5 10.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235601 2004 PW_{56}	16.9	X	282.66987	141.99452	195.02955	2.82026	0.2870047	0.28067621	2.3102855	21	4 19.0	20.2
235602 2004 PM_{59}	17.6	X	7.47322	154.54317	158.72681	4.41419	0.2235780	0.29190298	2.2506625	21	9 26.3	18.9
235603 2004 PP_{60}	17.3	X	315.84706	138.80358	170.47316	7.23764	0.1387867	0.28182009	2.3040298	21	5 19.9	19.8
235604 2004 PQ_{61}	16.6	X	297.81663	334.96505	11.53803	10.83223	0.1820653	0.28175239	2.3043988	21	6 3.7	19.5
235605 2004 PN_{64}	16.8	X	236.89704	159.10812	196.12847	1.77909	0.2278740	0.27255401	2.3559587	21	4 6.4	20.4
235606 2004 PA_{70}	17.0	X	309.26031	126.73757	196.01160	6.03551	0.1374985	0.28165914	2.3049074	21	5 28.6	19.4
235607 2004 PA_{73}	16.6	X	286.17843	325.07813	337.83126	7.44167	0.1196792	0.27731381	2.3289226	21	3 27.4	19.6
235608 2004 PC_{79}	16.0	X	307.22007	63.28404	282.56687	6.94848	0.1940102	0.22678636	2.6631242	21	6 20.4	19.1
235609 2004 PQ_{81}	17.0	X	29.51437	140.81673	149.76812	6.03478	0.1551360	0.29204970	2.2499086	21	9 23.9	19.0
235610 2004 PH_{92}	16.0	X	305.42406	190.09877	232.88068	12.71473	0.1079329	0.23750336	2.5823962	21	10 18.3	19.0
235611 2004 PU_{99}	17.2	X	30.03655	222.25002	102.47247	4.34791	0.2396829	0.29438048	2.2380170	21	11 28.4	19.7
235612 2004 PC_{101}	16.4	X	335.60899	335.99102	321.18657	7.88998	0.1859558	0.28249880	2.3003379	21	5 26.8	18.4
235613 2004 PO_{102}	16.9	X	331.47809	91.62596	206.47801	6.27276	0.1403657	0.28199944	2.3030527	21	5 29.7	19.0
235614 2004 PX_{103}	16.6	X	289.64337	348.08537	311.53472	5.44603	0.2478584	0.27460522	2.3442118	21	3 11.2	20.1
235615 2004 PS_{104}	15.4	X	236.53630	71.44351	335.58407	29.97100	0.1736801	0.21924496	2.7238486	21	6 20.4	20.3
235616 2004 PV_{105}	17.2	X	339.97834	224.57306	92.10692	3.87146	0.1816988	0.28495793	2.2870846	21	7 13.9	18.8
235617 2004 PB_{106}	16.1	X	102.83592	331.78055	46.63397	7.04660	0.1370706	0.25289108	2.4765497	21	—	—
235618 2004 QU_{7}	16.9	X	320.37273	43.82033	254.73118	3.68736	0.1657178	0.27729184	2.3290456	21	5 4.2	19.4
235619 2004 QF_{27}	16.7	X	101.76014	266.32904	118.90025	6.45036	0.2354959	0.25314870	2.4748692	21	1 8.2	19.2
235620 2004 RQ_{2}	17.7	X	320.05037	98.88848	207.75159	3.36485	0.0969217	0.28112367	2.3078333	21	5 28.7	20.0
235621 Kratochvíle	17.2	X	291.63779	337.36989	347.03559	6.26329	0.1183850	0.27908831	2.3190402	21	5 3.8	20.2
235622 2004 RU_{12}	15.7	X	302.10359	229.65603	116.24364	13.68181	0.2927226	0.22625841	2.6672654	21	5 29.9	19.3
235623 2004 RV_{12}	17.3	X	310.61239	289.03638	1.32436	3.53728	0.1912920	0.27791410	2.3255678	21	4 2.5	20.1
235624 2004 RS_{13}	16.5	X	170.75977	20.61222	2.34510	6.43177	0.1011470	0.26587853	2.3952299	21	3 10.9	19.8
235625 2004 RH_{17}	17.0	X	64.97835	291.51570	302.92801	2.11744	0.1233413	0.28748474	2.2736634	21	8 19.3	19.5
235626 2004 RO_{17}	16.8	X	309.17384	207.09412	123.45374	5.96673	0.2048172	0.28292021	2.2980531	21	5 28.7	19.2
235627 2004 RN_{20}	16.6	X	263.95983	195.60995	182.80056	6.24676	0.1415469	0.28123942	2.3072001	21	6 12.3	19.7
235628 2004 RJ_{32}	17.0	X	121.50565	47.76434	350.27615	5.29872	0.1672128	0.26079935	2.4262286	21	2 10.9	20.1
235629 2004 RH_{33}	15.9	X	319.03846	337.98808	7.66580	7.69841	0.2668418	0.22810603	2.6528429	21	6 29.5	18.7
235630 2004 RX_{38}	17.3	X	288.75579	225.37379	100.84683	2.74110	0.0126295	0.27921477	2.3183400	21	5 23.2	20.1
235631 2004 RK_{40}	17.1	X	9.50738	336.89701	183.79188	6.66944	0.0455913	0.26422912	2.4051874	21	1 22.9	20.1
235632 2004 RV_{49}	17.0	X	292.25666	170.22809	160.41806	6.74794	0.1323631	0.27972326	2.3155295	21	5 16.2	19.8
235633 2004 RF_{52}	17.2	X	213.29355	301.30015	53.04334	2.36272	0.2002250	0.26955711	2.3733886	21	3 18.7	21.0
235634 2004 RG_{52}	17.2	X	167.53622	237.16277	108.99508	2.41823	0.2011351	0.26111357	2.4242817	21	1 28.7	20.8
235635 2004 RN_{65}	16.8	X	200.95791	188.63336	165.25884	6.96127	0.1324838	0.26708544	2.3880087	21	3 5.7	20.5
235636 2004 RB_{68}	17.1	X	335.15105	98.82898	174.27783	6.84922	0.1190357	0.27920216	2.3184098	21	5 1.9	19.4
235637 2004 RP_{70}	16.7	X	18.20711	143.28737	130.17317	6.34439	0.1110828	0.28516108	2.2859982	21	7 26.9	18.6
235638 2004 RJ_{74}	16.7	X	180.44772	245.44218	173.41651	6.98050	0.0894615	0.27305202	2.3530931	21	5 8.0	20.0
235639 2004 RR_{75}	16.8	X	311.41767	214.90208	132.43010	2.50122	0.1539362	0.28369616	2.2938609	21	7 6.2	18.8
235640 2004 RS_{81}	17.3	X	35.19634	87.51155	321.57930	3.52510	0.1622052	0.24700020	2.5157714	21	—	—
235641 2004 RL_{90}	17.0	X	320.45169	353.34286	300.34486	6.00199	0.1120406	0.28063104	2.3105334	21	5 3.9	19.7
235642 2004 RM_{91}	16.6	X	236.53479	340.19070	322.07588	6.75098	0.1240049	0.26776956	2.3839396	21	2 4.2	20.3
235643 2004 RP_{98}	16.8	X	94.83841	230.20459	216.79614	5.62008	0.0988579	0.26434724	2.4044709	21	2 24.7	19.8
235644 2004 RO_{99}	17.4	X	357.39434	108.18165	186.74735	6.47751	0.1557321	0.28607440	2.2811301	21	7 18.2	19.2
235645 2004 RE_{106}	16.7	X	304.98200	353.06771	324.40002	3.49266	0.2750992	0.28011479	2.3133714	21	4 17.8	19.5
235646 2004 RD_{112}	17.1	X	14.97936	250.62559	346.51263	5.45711	0.1487467	0.28152559	2.3056363	21	5 19.5	19.0
235647 2004 RH_{118}	17.6	X	60.97668	39.45366	157.61996	5.48825	0.1051434	0.28020216	2.3128905	21	6 14.4	20.2
235648 2004 RA_{147}	16.6	X	98.08801	225.86694	172.69667	4.56794	0.0792280	0.25671330	2.4519059	21	—	—
235649 2004 RK_{148}	16.8	X	145.77301	323.19486	57.78652	3.40276	0.1765737	0.26102077	2.4248563	21	2 18.5	20.2
235650 2004 RP_{148}	16.3	X	229.85319	218.49861	153.04840	6.86217	0.1127210	0.27361075	2.3498886	21	4 29.5	19.7
235651 2004 RB_{149}	17.0	X	281.49709	272.52733	45.41150	5.00773	0.2204738	0.27611608	2.3356526	21	4 2.4	20.3
235652 2004 RW_{150}	16.4	X	250.64817	320.43964	32.57212	7.06495	0.1243697	0.27388278	2.3483324	21	4 24.1	19.8
235653 2004 RC_{155}	17.4	X	348.61235	47.30075	230.77193	5.08899	0.1539855	0.28221312	2.3018901	21	5 30.6	19.1
235654 2004 RO_{157}	16.3	X	323.80435	252.64055	199.39369	13.24754	0.1807211	0.24177454	2.5518923	21	—	—
235655 2004 RR_{169}	16.4	X	39.43343	199.42423	342.12624	6.88489	0.0367466	0.27185981	2.3599676	21	4 5.5	19.3
235656 2004 RB_{171}	16.7	X	179.13926	223.02496	169.48417	6.57796	0.1279626	0.27063045	2.3671091	21	4 2.8	20.2
235657 2004 RJ_{172}	16.3	X	239.93279	354.33338	0.83229	5.79278	0.2300677	0.27174030	2.3606595	21	4 7.8	20.1
235658 2004 RC_{180}	17.2	X	330.46089	89.93728	251.89183	4.05544	0.1580622	0.28708053	2.2757972	21	8 4.6	18.9
235659 2004 RE_{181}	16.6	X	193.57094	35.42299	338.36742	9.68899	0.1534246	0.26841096	2.3801403	21	3 21.5	20.3
235660 2004 RH_{191}	16.8	X	28.65777	33.57886	345.77290	18.22647	0.2570218	0.24095055	2.5577068	21	—	—
235661 2004 RB_{221}	15.6	X	339.45537	108.56352	330.52839	12.56289	0.1261895	0.23826994	2.5768544	21	—	—
235662 2004 RZ_{227}	16.9	X	45.80038	129.69924	356.82004	7.05750	0.0603886	0.25890557	2.4380454	21	2 4.9	19.8
235663 2004 RG_{228}	17.0	X	24.49527	163.01852	346.87692	4.41081	0.0274225	0.26023584	2.4297298	21	2 3.9	20.0
235664 2004 RY_{229}	17.4	X	154.26621	357.10443	0.21612	2.55316	0.1889588	0.25824132	2.4422244	21	1 29.5	20.9
235665 2004 RJ_{230}	17.4	X	15.61143	276.05196	353.42068	2.06682	0.2030643	0.28269604	2.2992678	21	7 25.1	18.7
235666 2004 RW_{231}	17.2	X	0.53803	76.66418	194.64107	1.45682	0.0987935	0.27865578	2.3214393	21	6 17.2	19.2
235667 2004 RH_{239}	17.0	X	131.04591	242.72261	182.13815	5.58325	0.0876387	0.26613351	2.3936997	21	3 16.5	20.2
235668 2004 RB_{244}	17.3	X	275.90838	282.24817	2.54721	6.10340	0.1062856	0.27018400	2.3697160	21	2 25.7	20.4
235669 2004 RT_{245}	16.3	X	282.40955	120.89425	356.19173	26.57294	0.2423299	0.23833627	2.5763763	21	10 23.3	19.6
235670 2004 RP_{250}	16.3	X	166.72743	245.25219	219.19896	19.31046	0.1680892	0.27443427	2.3451853	21	6 22.1	20.3
235671 2004 RU_{253}	15.9	X	327.89712	222.67943	238.41126	11.76745	0.1816791	0.24280455	2.5446702	21	—	—
235672 2004 RR_{259}	16.8	X	34.23524	284.00636	318.83837	2.17067	0.1687158	0.28363871	2.2941706	21	7 17.5	18.5
235673 2004 RO_{264}	17.8	X	8.69191	268.19785	18.94841	2.92822	0.1987143	0.28712096	2.2755836	21	8 8.8	19.1
235674 2004 RR_{279}	17.6	X	70.75062	163.95683	249.48216	1.82550	0.1789364	0.25301184	2.4757616	21	—	—
235675 2004 RA_{282}	17.1	X	47.45005	236.56379	344.36122	2.90842	0.0714022	0.28036429	2.3119987	21	6 22.4	19.6
235676 2004 RZ_{287}	16.5	X	182.45243	221.80707	192.75544	9.69893	0.2269889	0.20966853	2.8061694	21	5 10.6	21.4
235677 2004 RN_{305}	17.0	X	239.18285	226.95074	115.04894	3.06420	0.2209517	0.27106155	2.3645987	21	3 24.8	20.9
235678 2004 RY_{312}	17.0	X	321.36786	321.85305	301.80372	1.41935	0.1929428	0.27485754	2.3427770	21	3 11.3	19.7
235679 2004 RL_{313}	17.6	X	20.73733	272.92345	313.17678	1.75355	0.1576817	0.27727901	2.3291174	21	5 16.3	19.2
235680 2004 RD_{316}	17.2	X	266.61759	96.82986	238.42566	1.95488	0.1896056	0.27359156	2.3499985	21	4 10.8	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235681 2004 RF_{333}	16.7	X	204.27950	208.17441	116.47559	7.61351	0.1371436	0.26411537	2.4058780	21	2 1.6	20.4
235682 2004 RM_{333}	17.0	X	331.60783	197.27641	94.13445	4.81425	0.1190288	0.27994070	2.3143304	21	5 22.8	19.3
235683 2004 RT_{336}	17.2	X	12.31873	75.92207	350.65462	4.71082	0.1639141	0.24307855	2.5427576	21	—	—
235684 2004 RO_{337}	16.7	X	347.77893	235.81041	200.97267	5.14790	0.2176183	0.23976763	2.5661125	21	—	—
235685 2004 SR_{12}	16.4	X	255.96223	334.18613	18.02279	8.05317	0.1401690	0.27695040	2.3309594	21	4 25.8	19.9
235686 2004 SG_{13}	17.3	X	10.99702	259.28095	42.77840	6.23577	0.1805812	0.29085283	2.2560767	21	9 11.0	19.0
235687 2004 SU_{15}	16.9	X	222.77779	284.06564	56.37423	6.19772	0.0975593	0.26863311	2.3788279	21	3 13.9	20.4
235688 2004 SM_{17}	16.0	X	245.93193	235.40244	143.77497	15.13712	0.1633416	0.21837441	2.7310829	21	5 26.9	20.5
235689 2004 SL_{20}	16.1	X	247.61553	171.32345	201.42068	3.41349	0.2123237	0.21608038	2.7503787	21	5 12.8	20.5
235690 2004 SR_{22}	16.4	X	299.11116	296.65868	19.68781	7.72745	0.1243753	0.27618404	2.3352695	21	5 3.1	19.3
235691 2004 SE_{24}	17.0	X	1.52932	73.83056	111.06799	2.27272	0.1279532	0.26169749	2.4206742	21	2 6.7	19.3
235692 2004 SP_{25}	16.8	X	280.49036	255.56515	159.66443	13.98985	0.3621394	0.22364963	2.6879670	21	7 19.5	20.8
235693 2004 SL_{31}	16.5	X	255.07651	179.24822	184.57081	6.14833	0.1243418	0.27598256	2.3364059	21	5 15.3	19.8
235694 2004 SB_{32}	16.3	X	358.64884	217.02603	19.29417	7.46541	0.0654420	0.27268901	2.3551810	21	4 20.9	18.8
235695 2004 SR_{32}	16.9	X	233.64164	295.33179	51.03881	3.08321	0.2368329	0.27054915	2.3675833	21	3 24.8	20.9
235696 2004 SO_{39}	16.5	X	8.31246	217.10822	191.64835	7.42490	0.1538151	0.23958633	2.5674068	21	—	—
235697 2004 SP_{51}	17.1	X	301.53473	295.74729	19.71560	2.17720	0.2248566	0.27865529	2.3214421	21	4 20.0	19.9
235698 2004 TY_{4}	16.1	X	243.10352	325.98295	234.35367	8.41209	0.0709400	0.24275623	2.5450079	21	—	—
235699 2004 TP_{5}	17.0	X	251.74310	185.97217	177.06656	4.69981	0.0826064	0.27526697	2.3404533	21	5 14.9	20.2
235700 2004 TR_{13}	18.5	X	321.85539	249.99858	12.13115	17.84453	0.7293301	0.34385893	2.0178204	21	1 4.7	23.1
235701 2004 TO_{32}	17.1	X	82.02397	294.53742	352.38322	4.86829	0.2273162	0.29653654	2.2271557	21	12 2.7	20.5
235702 2004 TB_{44}	16.9	X	319.48037	94.51305	7.43985	5.19581	0.2467329	0.23719753	2.5846155	21	—	—
235703 2004 TC_{45}	17.6	X	4.66694	62.10807	13.73032	5.94253	0.1353184	0.24228504	2.5483064	21	—	—
235704 2004 TN_{48}	16.0	X	318.79282	245.78051	198.98875	9.32354	0.0691506	0.23728022	2.5840149	21	12 13.8	19.1
235705 2004 TT_{49}	16.0	X	233.46687	89.43437	35.26530	18.30244	0.1083697	0.22833415	2.6510757	21	10 5.9	19.9
235706 2004 TW_{50}	17.0	X	24.65721	68.09655	354.30985	2.11390	0.1310283	0.24313326	2.5423761	21	—	—
235707 2004 TE_{55}	16.7	X	300.13405	228.54808	53.80718	4.75169	0.1222319	0.26833922	2.3805645	21	3 23.1	19.7
235708 2004 TD_{56}	16.4	X	329.05842	240.23930	183.40028	2.75221	0.1406582	0.23402917	2.6078907	21	12 1.8	19.1
235709 2004 TV_{59}	16.2	X	248.11252	5.75553	26.90159	6.71514	0.0777722	0.21985469	2.7188102	21	6 21.3	20.1
235710 2004 TQ_{66}	16.7	X	227.17791	208.85783	153.88732	8.24083	0.1420686	0.26982552	2.3718144	21	4 14.0	20.4
235711 2004 TL_{69}	16.3	X	56.27709	25.97176	38.54712	7.21228	0.0822518	0.25190689	2.4829960	21	—	—
235712 2004 TH_{96}	16.7	X	284.80632	171.77529	190.10639	4.87143	0.0752997	0.22029520	2.7151846	21	6 28.1	20.3
235713 2004 TZ_{102}	16.1	X	359.08514	79.75076	297.67232	7.71973	0.1379766	0.23246350	2.6195872	21	11 18.8	19.1
235714 2004 TD_{112}	15.4	X	321.77478	86.42466	245.61157	21.14956	0.0854434	0.22174914	2.7033031	21	7 6.2	19.0
235715 2004 TG_{122}	16.6	X	258.25886	286.58159	31.43680	7.89089	0.1348074	0.27008732	2.3702814	21	3 19.7	20.0
235716 2004 TK_{124}	16.6	X	70.39674	17.45732	34.97647	6.94448	0.1230285	0.25279720	2.4771628	21	—	—
235717 2004 TQ_{127}	17.6	X	310.69921	135.60300	180.24297	1.91911	0.2074370	0.27970323	2.3156401	21	5 7.8	19.9
235718 2004 TH_{129}	16.1	X	196.62981	19.66095	53.05636	8.59871	0.1618320	0.21562028	2.7542899	21	6 11.7	20.6
235719 2004 TJ_{142}	16.7	X	289.13334	333.76109	288.43225	2.49854	0.0985220	0.26486622	2.4013290	21	2 11.4	20.0
235720 2004 TS_{160}	16.3	X	294.42989	81.44275	26.14241	5.94656	0.1078697	0.23523517	2.5989697	21	12 1.7	19.4
235721 2004 TH_{161}	16.9	X	231.86736	265.02225	217.27226	6.64809	0.2500674	0.22418332	2.6836993	21	9 6.4	21.3
235722 2004 TJ_{164}	16.7	X	327.21304	340.87377	80.28087	2.63386	0.1129339	0.23394447	2.6085201	21	11 24.4	19.3
235723 2004 TT_{168}	16.5	X	271.20887	181.25335	138.70054	2.68827	0.2296090	0.27336389	2.3513031	21	3 24.2	20.1
235724 2004 TR_{169}	16.8	X	222.31879	280.20861	89.20874	3.62512	0.1960300	0.27066320	2.3669181	21	4 14.8	20.7
235725 2004 TF_{170}	16.2	X	62.48869	32.13614	77.23799	5.91939	0.1451392	0.25691232	2.4506395	21	2 15.5	18.6
235726 2004 TX_{171}	16.2	X	3.23518	64.60535	350.83973	9.08552	0.1835688	0.23725649	2.5841873	21	—	—
235727 2004 TL_{175}	16.6	X	47.20260	125.00837	163.98518	3.97682	0.1880501	0.29002340	2.2603760	21	10 24.7	19.1
235728 2004 TB_{188}	17.2	X	329.12010	125.94477	315.71507	0.85179	0.1680873	0.23848627	2.5752959	21	12 29.9	19.6
235729 2004 TQ_{205}	16.4	X	270.81467	299.37676	37.34298	5.90455	0.2764950	0.27368892	2.3494411	21	4 9.8	20.0
235730 2004 TY_{206}	16.7	X	14.05266	351.35777	50.63389	5.14826	0.2392890	0.23809481	2.5781178	21	—	—
235731 2004 TK_{220}	16.6	X	277.75113	160.94331	144.94941	13.83557	0.2111661	0.27322443	2.3521031	21	3 16.3	20.2
235732 2004 TC_{229}	17.3	X	15.86118	161.49496	22.80629	2.91023	0.0325863	0.26455964	2.4031838	21	3 9.4	20.0
235733 2004 TR_{237}	16.5	X	287.58009	138.12343	185.90883	3.24606	0.2045784	0.27539874	2.3397067	21	4 18.3	19.5
235734 2004 TJ_{244}	16.2	X	41.26992	297.41067	222.97063	5.96190	0.0620520	0.26501864	2.4004082	21	3 11.2	18.9
235735 2004 TU_{244}	16.9	X	40.97336	119.67418	268.58754	1.83774	0.1040984	0.24376390	2.5379893	21	—	—
235736 2004 TP_{250}	16.0	X	184.67492	5.36094	86.63891	18.51123	0.2199998	0.21440453	2.7646920	21	6 24.9	20.9
235737 2004 TH_{264}	17.2	X	260.19177	341.99724	328.68580	0.96965	0.1937179	0.26853263	2.3794213	21	3 4.7	21.0
235738 2004 TC_{265}	17.0	X	37.00342	94.81170	278.73207	0.60538	0.1396607	0.23947001	2.5682382	21	—	—
235739 2004 TF_{277}	17.1	X	278.46142	50.99608	206.07350	4.59177	0.0671652	0.25842940	2.4410393	21	1 27.2	20.4
235740 2004 TO_{283}	16.6	X	284.43453	75.12510	193.14813	6.03388	0.1002324	0.26686360	2.3893319	21	2 11.9	20.0
235741 2004 TH_{286}	17.0	X	304.37498	252.95514	209.73078	2.68816	0.0687067	0.23641067	2.5903474	21	12 15.3	20.0
235742 2004 TH_{297}	16.3	X	358.48567	32.18814	355.26091	7.80280	0.1872338	0.23377588	2.6097741	21	12 9.1	19.1
235743 2004 TU_{303}	17.2	X	20.91597	297.73704	347.72895	2.81745	0.1601026	0.28679292	2.2773185	21	8 28.6	19.0
235744 2004 TW_{306}	16.1	X	173.76005	187.71114	256.61641	7.24900	0.1642895	0.21363262	2.7713476	21	6 6.0	20.4
235745 2004 TS_{308}	16.4	X	186.53489	102.19019	359.99440	4.85743	0.0720758	0.21918815	2.7243193	21	7 12.5	20.5
235746 2004 TC_{312}	16.4	X	298.89165	194.82012	4.00561	6.12096	0.0854467	0.25652735	2.4530907	21	—	—
235747 2004 TY_{332}	17.2	X	8.45345	23.86935	34.12336	4.21730	0.1193201	0.23967628	2.5667644	21	—	—
235748 2004 TQ_{340}	16.2	X	317.32386	249.99980	152.37889	14.93132	0.2132606	0.22945752	2.6424160	21	10 5.3	18.7
235749 2004 TT_{348}	16.9	X	324.94900	158.43406	91.87800	2.21542	0.1563699	0.26490723	2.4010812	21	3 7.6	19.5
235750 2004 TU_{353}	16.5	X	313.85195	82.88081	70.73457	5.60628	0.1932633	0.24235829	2.5477930	21	—	—
235751 2004 TM_{366}	16.0	X	178.81034	63.72154	250.50227	4.82379	0.1356777	0.25248544	2.4792015	21	—	—
235752 2004 TN_{366}	17.0	X	316.40050	41.35855	277.78297	2.33723	0.2122348	0.27862415	2.3216151	21	5 20.7	19.3
235753 2004 UZ_{2}	16.6	X	316.61488	278.84531	167.86749	12.96470	0.2476792	0.23478944	2.6022580	21	12 8.9	18.9
235754 2004 UP_{3}	16.5	X	48.01694	334.80324	45.27066	6.01783	0.2712113	0.24080314	2.5587505	21	—	—
235755 2004 US_{8}	15.4	X	5.73457	341.94916	31.33604	13.03731	0.1573392	0.23161951	2.6259470	21	11 25.9	18.4
235756 2004 VC	18.7	X	357.59357	94.19946	194.16338	39.14480	0.2588742	0.81677996	1.1334421	21	2 14.3*	20.4
235757 2004 VN_{2}	17.1	X	343.71116	205.24772	222.87975	1.81496	0.1478092	0.23734951	2.5835121	21	—	—
235758 2004 VX_{3}	15.7	X	171.88606	26.34371	60.51792	6.69827	0.1155387	0.21167566	2.7884023	21	6 5.9	19.9
235759 2004 VY_{3}	16.7	X	259.34983	268.84200	58.96574	6.45021	0.1886165	0.27014116	2.3699665	21	3 28.9	20.3
235760 2004 VE_{5}	16.9	X	349.92466	56.04543	336.96314	3.61658	0.2311192	0.23371193	2.6102502	21	12 6.2	19.1

* The additional opposition: 11 29.6, $V = 20.1$

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235761 2004 VL_{7}	16.1	X	315.06976	305.71065	119.55911	3.81828	0.1341428	0.23124862	2.6287541	21	11 8.2	18.8
235762 2004 VP_{7}	16.7	X	325.28720	278.59182	120.79452	3.02303	0.2145862	0.22988955	2.6391043	21	10 17.0	18.8
235763 2004 VS_{8}	16.6	X	32.77732	251.05612	153.25879	4.35343	0.1136081	0.24086929	2.5582821	21	—	—
235764 2004 VN_{11}	17.0	X	47.68964	305.51142	109.28538	2.46068	0.1418270	0.24582806	2.5237621	21	—	—
235765 2004 VW_{11}	16.6	X	343.59233	80.92619	356.48547	9.12322	0.1874439	0.23701158	2.5859672	21	—	—
235766 2004 VV_{15}	15.8	X	300.25036	287.90523	143.81377	14.34103	0.2069614	0.22872731	2.6480369	21	10 15.2	18.8
235767 2004 VK_{17}	17.2	X	321.44434	220.16705	209.67106	1.64065	0.2221431	0.23298550	2.6156731	21	11 23.3	19.0
235768 2004 VV_{20}	16.7	X	266.53244	250.46841	45.92810	5.97813	0.1373719	0.26521802	2.3992050	21	3 1.3	20.2
235769 2004 VJ_{21}	16.6	X	271.95638	334.33681	86.07868	3.22883	0.1701445	0.22287148	2.6942200	21	8 15.9	20.1
235770 2004 VX_{22}	16.6	X	284.49378	194.05197	249.36166	1.81139	0.2234031	0.22713392	2.6604068	21	9 24.3	19.6
235771 2004 VC_{23}	16.3	X	345.40702	168.63851	232.05151	3.05774	0.2862587	0.23247757	2.6194816	21	12 14.9	18.0
235772 2004 VZ_{23}	16.5	X	323.69696	15.38111	60.82459	4.15451	0.1850631	0.23544933	2.5973935	21	12 9.3	18.8
235773 2004 VD_{24}	16.0	X	22.50034	281.18120	129.56637	8.33566	0.1882741	0.24002243	2.5642961	21	—	—
235774 2004 VS_{29}	17.0	X	298.83504	296.58789	205.61395	3.77681	0.1653164	0.23899203	2.5716613	21	—	—
235775 2004 VZ_{31}	17.2	X	163.54972	170.36408	167.52773	2.85946	0.1956416	0.25481250	2.4640843	21	1 14.7	21.0
235776 2004 VR_{42}	16.2	X	161.75204	244.52280	63.39164	4.16831	0.0620320	0.24775499	2.5106593	21	—	—
235777 2004 VU_{47}	16.8	X	2.99426	285.97918	121.53340	3.78379	0.1284198	0.23613373	2.5923723	21	—	—
235778 2004 VA_{74}	16.8	X	305.25074	241.36978	184.44976	4.59746	0.2647827	0.22906496	2.6454341	21	10 2.1	19.3
235779 2004 VO_{75}	16.7	X	285.28648	353.46548	356.67772	6.74528	0.2872743	0.27744284	2.3282005	21	5 6.7	20.0
235780 2004 VJ_{86}	17.2	X	295.71149	40.88664	80.14891	2.72158	0.1000388	0.23470647	2.6028712	21	12 23.7	19.9
235781 2004 VT_{88}	16.9	X	290.01653	83.24785	12.58882	5.28480	0.1209286	0.23119555	2.6291563	21	11 5.7	19.9
235782 2004 WH_{5}	15.4	X	254.08666	199.67973	247.00053	16.48648	0.1306565	0.22484445	2.6784360	21	8 24.3	19.5
235783 2004 WT_{7}	16.6	X	269.39595	80.38371	62.27198	5.44701	0.1293772	0.23461617	2.6035390	21	12 7.4	19.7
235784 2004 WU_{9}	15.5	X	40.39232	258.69271	128.26759	12.04531	0.0893077	0.23850615	2.5751527	21	—	—
235785 2004 WV_{10}	16.6	X	339.98710	52.45680	356.48424	3.83945	0.2556155	0.23166716	2.6255870	21	12 8.7	18.6
235786 2004 XB_{2}	16.1	X	250.71063	38.92279	29.87608	9.60765	0.1963909	0.21891519	2.7265834	21	7 30.8	20.3
235787 2004 XZ_{2}	16.1	X	194.83616	38.90009	83.64843	9.87227	0.2332189	0.21306730	2.7762475	21	8 12.4	21.0
235788 2004 XP_{6}	16.3	X	334.79027	349.96952	55.01577	6.73618	0.2556759	0.23041328	2.6351037	21	11 18.1	18.1
235789 2004 XY_{9}	16.0	X	157.69077	273.22369	72.44349	2.46031	0.1791338	0.25221492	2.4809739	21	1 18.2	19.6
235790 2004 XS_{11}	16.4	X	295.66343	278.86545	185.38037	12.50919	0.2241317	0.23107212	2.6300925	21	11 17.3	19.1
235791 2004 XP_{12}	15.6	X	59.00037	187.66380	253.34295	2.90067	0.2139936	0.18876114	3.0097309	21	1 23.9	18.8
235792 2004 XS_{12}	16.2	X	280.05612	188.00753	241.40591	3.16057	0.2583677	0.22288274	2.6941292	21	8 22.4	19.8
235793 2004 XZ_{13}	16.5	X	234.14414	53.22963	63.44421	5.91957	0.1135262	0.21944516	2.7221917	21	9 21.9	20.5
235794 2004 XD_{14}	16.3	X	268.97813	130.91155	301.01026	8.22829	0.0783934	0.22008270	2.7169320	21	9 5.7	20.0
235795 2004 XP_{18}	16.0	X	79.44940	241.52746	139.78599	0.82777	0.1520169	0.24445009	2.5332376	21	—	—
235796 2004 XH_{19}	15.8	X	243.88739	35.20421	80.88011	14.34831	0.1325351	0.22385224	2.6863448	21	10 5.8	19.9
235797 2004 XS_{22}	16.6	X	351.46148	261.26231	114.18138	2.99157	0.0960572	0.22835266	2.6509325	21	11 1.8	19.7
235798 2004 XJ_{23}	16.0	X	354.23110	311.96338	86.11826	8.59786	0.2136066	0.23111208	2.6297893	21	12 19.9	18.5
235799 2004 XN_{23}	15.5	X	202.89853	19.90247	111.64844	14.80474	0.1575240	0.21333980	2.7738829	21	9 4.6	20.1
235800 2004 XX_{24}	16.1	X	274.85479	253.44124	211.04432	2.29489	0.0422970	0.22681948	2.6628650	21	11 5.9	19.4
235801 2004 XT_{25}	15.7	X	165.33745	200.16261	306.78029	6.93519	0.1575507	0.21105852	2.7938352	21	8 14.6	20.1
235802 2004 XY_{33}	16.0	X	239.07373	214.24552	80.50542	16.30956	0.1238474	0.25527090	2.4611336	21	2 2.1	20.0
235803 2004 XE_{39}	16.4	X	2.76401	228.22324	138.58485	13.97370	0.2044072	0.23134346	2.6280355	21	11 25.2	19.4
235804 2004 XE_{43}	16.6	X	299.99104	244.63397	248.37076	3.04302	0.1566620	0.23590978	2.5940126	21	—	—
235805 2004 XH_{43}	15.2	X	43.61376	29.52396	75.39487	13.09118	0.0783124	0.19066774	2.9896331	21	1 20.4	19.1
235806 2004 XP_{44}	16.7	X	345.42835	359.77834	54.57025	3.79848	0.2020485	0.23366790	2.6105780	21	12 25.0	19.0
235807 2004 XH_{46}	17.1	X	274.02574	247.97177	178.89329	2.62714	0.3142282	0.22230472	2.6987973	21	8 3.7	21.1
235808 2004 XY_{55}	16.4	X	209.57367	143.00327	63.18485	5.33617	0.0959950	0.23042237	2.6350344	21	12 15.7	20.1
235809 2004 XJ_{58}	16.8	X	249.65402	56.91418	39.76527	5.48927	0.1292142	0.21925836	2.7237377	21	9 11.9	20.7
235810 2004 XK_{58}	16.4	X	269.95755	57.44960	16.14239	4.95463	0.0941795	0.21937450	2.7227762	21	9 11.9	20.0
235811 2004 XT_{58}	16.0	X	281.95137	208.55665	30.58262	4.73903	0.1975154	0.24464426	2.5318970	21	—	—
235812 2004 XW_{60}	16.7	X	191.88861	209.28534	285.18886	4.36274	0.2241079	0.21327927	2.7744078	21	8 20.7	21.5
235813 2004 XA_{66}	16.2	X	85.25061	150.69857	203.23513	2.84047	0.1981024	0.23961894	2.5671739	21	—	—
235814 2004 XZ_{75}	16.5	X	277.73484	45.11100	66.12534	6.34789	0.0946654	0.22938958	2.6429377	21	11 12.8	19.6
235815 2004 XS_{82}	16.6	X	35.72024	54.23378	317.27501	1.60264	0.0540313	0.23288864	2.6163982	21	12 25.7	19.9
235816 2004 XB_{85}	16.5	X	276.15605	69.20231	340.78846	1.99695	0.1883327	0.21879597	2.7275738	21	8 3.7	20.2
235817 2004 XN_{86}	15.3	X	113.33038	292.94974	108.57922	17.58475	0.1852634	0.19012552	2.9953146	21	2 22.5	19.8
235818 2004 XB_{89}	16.0	X	179.57355	328.57666	294.32383	7.99840	0.1349731	0.23909920	2.5708928	21	—	—
235819 2004 XA_{92}	16.9	X	248.93691	265.17213	282.61193	1.44432	0.1369830	0.23460572	2.6036163	21	—	—
235820 2004 XP_{92}	15.8	X	35.20095	311.53320	51.85728	12.35546	0.0585632	0.23338354	2.6126981	21	12 14.1	19.2
235821 2004 XD_{97}	15.1	X	219.77973	160.74821	93.79029	16.78699	0.0373405	0.17977077	3.1092573	21	—	—
235822 2004 XJ_{102}	15.8	X	195.96089	126.28737	306.29782	11.88700	0.1802927	0.21199006	2.7856446	21	6 11.3	20.6
235823 2004 XH_{111}	16.1	X	20.35070	50.23246	339.79513	3.52403	0.1673642	0.23623447	2.5916352	21	—	—
235824 2004 XL_{124}	15.7	X	235.42969	46.26831	11.62010	15.57917	0.1578197	0.21218186	2.7839657	21	7 2.9	20.3
235825 2004 XK_{127}	16.7	X	96.15883	305.86370	50.37759	1.03222	0.1848798	0.24375525	2.5380493	21	—	—
235826 2004 XU_{130}	15.4	X	293.86249	79.84697	18.79656	22.16880	0.0484611	0.22785815	2.6547666	21	11 16.2	19.1
235827 2004 XL_{137}	15.8	X	311.50396	335.22377	70.06284	13.16978	0.0934376	0.22241286	2.6979224	21	10 12.2	19.2
235828 2004 XZ_{141}	16.7	X	290.50179	62.35353	13.20974	3.11751	0.0733018	0.22343099	2.6897203	21	10 15.8	19.9
235829 2004 XE_{144}	15.7	X	3.10609	264.08840	133.45652	14.39346	0.1166731	0.23407939	2.6075177	21	12 23.8	18.9
235830 2004 XB_{152}	17.0	X	14.89056	3.64566	32.45223	4.85105	0.0844404	0.23477609	2.6023566	21	—	—
235831 2004 XR_{160}	15.6	X	196.38258	259.48284	304.93200	13.18926	0.0787989	0.22632264	2.6667607	21	11 28.6	19.7
235832 2004 XQ_{163}	15.2	X	281.78923	222.15386	303.18909	8.39091	0.0436379	0.17497100	3.1658622	21	—	—
235833 2004 XS_{164}	15.9	X	330.72054	102.09569	309.05937	12.83647	0.1884948	0.23137774	2.6277759	21	11 11.3	18.7
235834 2004 XX_{164}	16.5	X	275.82675	74.03685	16.49349	13.34703	0.2350423	0.22683569	2.6627382	21	9 23.1	19.8
235835 2004 XH_{184}	16.3	X	75.92127	89.17378	272.18229	3.36951	0.0577602	0.23925909	2.5697473	21	—	—
235836 2004 XP_{191}	15.7	X	340.13733	274.48997	118.64826	12.41633	0.0778711	0.22393611	2.6856740	21	11 9.8	19.1
235837 2004 YP_{1}	15.7	X	239.29594	301.47537	133.67321	20.08806	0.1626005	0.21399931	2.7681809	21	7 26.8	19.9
235838 2004 YF_{2}	16.4	X	341.85138	66.06523	320.48141	2.68595	0.1715385	0.22812907	2.6526643	21	11 1.1	19.0
235839 2004 YH_{11}	16.7	X	229.01473	34.06395	91.11243	3.11729	0.0825074	0.22444337	2.6816259	21	9 29.8	20.5
235840 2004 YP_{11}	16.4	X	54.36189	35.34198	70.78181	1.31436	0.1789139	0.18795067	3.0183768	21	2 15.4	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235841 2004 YC_{12}	16.4	X	259.83893	155.11408	305.43140	4.02227	0.0711496	0.22060756	2.7126210	21	10 4.0	20.0
235842 2004 YU_{23}	14.8	X	232.70544	108.60873	122.91421	11.94780	0.0637475	0.17396682	3.1780332	21	—	—
235843 2004 YD_{36}	16.6	X	312.87314	318.71326	85.99505	3.08058	0.0860052	0.22163264	2.7042504	21	10 8.6	19.8
235844 2004 YH_{36}	16.4	X	250.15692	351.49309	103.19996	2.96910	0.0591570	0.21510809	2.7586602	21	9 18.6	20.1
235845 2005 AL_{1}	15.8	X	185.57456	81.80277	101.58457	14.02963	0.1456193	0.22000630	2.7175611	21	10 25.5	20.4
235846 2005 AY_{6}	15.8	X	212.25724	141.47051	344.61538	8.09595	0.0820737	0.21473677	2.7618395	21	9 8.8	19.8
235847 2005 AX_{7}	15.4	X	117.61543	317.36673	323.09763	12.08048	0.0922401	0.22391762	2.6858218	21	12 9.3	19.7
235848 2005 AC_{8}	16.1	X	190.11272	100.45024	37.62804	4.44478	0.0940932	0.21188455	2.7865694	21	8 31.9	20.4
235849 2005 AE_{15}	17.0	X	267.68109	101.54975	314.68580	1.23756	0.1999181	0.21765632	2.7370865	21	7 30.1	20.8
235850 2005 AN_{16}	16.1	X	70.54687	180.35356	282.77516	5.13153	0.1508673	0.19072751	2.9890085	21	3 3.1	19.9
235851 2005 AF_{25}	17.4	X	230.04086	230.64279	206.03758	4.21272	0.2587916	0.21262870	2.7800640	21	7 10.8	22.1
235852 2005 AX_{27}	16.4	X	196.76077	324.73853	158.19632	4.94513	0.0596433	0.21308779	2.7760696	21	8 19.2	20.4
235853 2005 AJ_{28}	15.6	X	237.30614	281.09797	133.79164	24.49769	0.2945566	0.21292720	2.7774652	21	6 21.4	20.7
235854 2005 AQ_{29}	15.8	X	121.17723	263.48706	296.80898	11.63379	0.1354989	0.21168816	2.7882925	21	9 2.5	20.3
235855 2005 AO_{30}	15.6	X	189.26472	110.11142	29.66457	8.72984	0.1490954	0.21195125	2.7859847	21	9 1.8	20.2
235856 2005 AV_{33}	15.1	X	71.42956	303.66227	119.31572	23.09177	0.0198976	0.18317378	3.0706278	21	1 3.5	19.5
235857 2005 AP_{35}	15.7	X	308.44404	325.67290	132.51161	14.51422	0.0966637	0.22851401	2.6496845	21	12 14.3	19.0
235858 2005 AW_{37}	16.6	X	287.92404	52.99326	5.22486	4.66178	0.0591403	0.21718274	2.7410640	21	9 20.5	20.1
235859 2005 AE_{39}	16.1	X	169.74893	219.87383	334.58499	4.22437	0.0949055	0.21832519	2.7314934	21	10 16.9	20.3
235860 2005 AD_{42}	15.7	X	16.66879	317.85079	61.06087	12.89780	0.2086609	0.22983858	2.6394945	21	12 31.3	18.9
235861 2005 AV_{42}	16.3	X	314.82104	94.01079	345.46137	2.85846	0.0941528	0.22653989	2.6650555	21	11 26.1	19.3
235862 2005 AU_{44}	15.9	X	74.69756	190.19146	108.77499	10.39773	0.1178819	0.21994509	2.7180652	21	11 21.5	19.9
235863 2005 AY_{53}	15.1	X	298.24321	281.80290	295.92185	9.69681	0.1749037	0.17938077	3.1137623	21	1 5.0	19.8
235864 2005 AR_{57}	15.9	X	173.35044	154.13289	12.17193	12.44465	0.1450979	0.21389745	2.7690597	21	9 18.6	20.3
235865 2005 AM_{58}	15.8	X	241.38951	30.20004	108.41543	14.88763	0.0699295	0.22291675	2.6938552	21	11 7.5	19.8
235866 2005 AC_{61}	15.9	X	102.25244	323.71341	317.33308	11.05640	0.1786015	0.22406506	2.6846435	21	11 29.6	20.4
235867 2005 AS_{77}	15.6	X	252.26889	84.61138	115.30198	10.78052	0.0324072	0.17204084	3.2017077	21	—	—
235868 2005 AP_{80}	15.8	X	7.60211	19.39044	107.80477	5.88483	0.0926858	0.18070648	3.0985147	21	—	—
235869 2005 AH_{82}	16.4	X	263.99132	77.89161	150.37548	6.57918	0.0860431	0.23776818	2.5804784	21	—	—
235870 2005 BY_{6}	16.3	X	266.67470	77.49928	20.74737	4.80417	0.1068449	0.22127898	2.7071310	21	10 7.3	19.7
235871 2005 BA_{10}	15.5	X	28.23311	247.40325	97.75481	15.07053	0.0841262	0.22327852	2.6909446	21	11 18.6	19.1
235872 2005 BZ_{10}	15.8	X	339.47706	256.29393	122.70929	11.02699	0.1554643	0.22020970	2.7158874	21	10 21.1	18.8
235873 2005 BA_{13}	16.5	X	168.37738	224.89418	305.06825	6.82086	0.1579475	0.21363248	2.7713488	21	9 12.9	21.2
235874 2005 BZ_{14}	16.1	X	107.39752	356.00142	227.60662	3.42399	0.1436634	0.21192424	2.7862214	21	9 22.1	20.4
235875 2005 BK_{16}	15.9	X	218.27391	98.30500	0.41321	6.33136	0.0416209	0.21349481	2.7725401	21	8 17.4	19.8
235876 2005 BQ_{25}	14.7	X	277.41628	249.57130	312.34898	12.43111	0.1427141	0.17416411	3.1756327	21	—	—
235877 2005 BW_{27}	16.3	X	151.07988	186.46669	49.17570	2.59251	0.0271392	0.22226306	2.6991345	21	11 19.5	20.1
235878 2005 BR_{29}	15.6	X	58.91272	34.76913	86.94916	14.10624	0.0957965	0.19006564	2.9959436	21	3 12.6	19.7
235879 2005 BX_{34}	16.6	X	63.57485	268.02546	117.16035	3.05788	0.2057599	0.17801147	3.1297097	21	—	—
235880 2005 BM_{48}	15.9	X	165.52886	51.79048	150.06152	4.63322	0.0339224	0.21756540	2.7378490	21	10 26.3	19.7
235881 2005 CL_{2}	16.2	X	290.00822	67.74588	355.85200	4.18414	0.0785297	0.21723601	2.7406159	21	9 27.3	19.6
235882 2005 CM_{5}	16.5	X	213.06626	359.35519	120.24341	2.26155	0.1878965	0.21127199	2.7919530	21	8 24.4	20.8
235883 2005 CV_{8}	16.6	X	231.01485	2.81960	78.49367	5.44362	0.1836153	0.21224307	2.7834304	21	7 25.2	20.9
235884 2005 CC_{9}	15.5	X	19.92396	345.89461	117.84037	8.56703	0.0853592	0.17923121	3.1154943	21	—	—
235885 2005 CK_{10}	15.7	X	47.31429	357.47002	344.21162	12.56023	0.1136211	0.22124863	2.7073786	21	12 7.2	19.6
235886 2005 CR_{23}	14.3	X	137.85683	17.00137	301.87783	26.69733	0.1915316	0.17443199	3.1723806	21	—	—
235887 2005 CB_{30}	16.2	X	268.13673	66.31403	11.74668	4.04691	0.0444232	0.21419572	2.7664884	21	9 21.6	19.9
235888 2005 CM_{36}	16.7	X	316.40646	22.04689	68.11245	1.95584	0.0802510	0.22592618	2.6698796	21	12 13.9	19.7
235889 2005 CU_{43}	16.0	X	108.96564	97.78662	145.49046	8.28223	0.2473091	0.21074955	2.7965652	21	10 29.5	20.8
235890 2005 CG_{45}	16.1	X	126.61189	75.32099	151.32425	8.56084	0.1199507	0.21397218	2.7684149	21	10 17.7	20.4
235891 2005 CA_{49}	16.5	X	246.55049	235.56735	204.50702	1.33408	0.1999721	0.21368573	2.7708884	21	8 5.4	20.6
235892 2005 CB_{57}	15.3	X	200.11260	0.98785	286.67016	6.54590	0.0248775	0.17914445	3.1165001	21	—	—
235893 2005 CJ_{59}	15.6	X	326.01189	329.78255	181.62846	7.25791	0.1212803	0.17561886	3.1580714	21	—	—
235894 2005 CD_{62}	15.4	X	343.74078	39.59637	104.91744	5.21396	0.1297331	0.17665962	3.1456557	21	—	—
235895 2005 CR_{63}	16.6	X	198.74205	331.20143	181.90098	4.07270	0.1450676	0.21456016	2.7633549	21	9 23.8	20.7
235896 2005 CZ_{63}	15.4	X	310.57954	198.63349	344.36749	15.96660	0.1475629	0.17610447	3.1522631	21	—	—
235897 2005 CW_{68}	16.3	X	212.15956	319.48789	133.74543	4.96951	0.1686499	0.20973965	2.8055350	21	7 22.0	20.8
235898 2005 CL_{69}	16.1	X	91.37062	77.92406	177.05714	4.70965	0.0119922	0.21346975	2.7727571	21	9 29.7	19.9
235899 2005 CY_{73}	16.8	X	183.47577	73.15570	16.42839	1.89591	0.0637136	0.20261060	2.8709653	21	6 21.7	21.1
235900 2005 CY_{75}	16.3	X	249.66687	276.26429	158.84310	7.99879	0.2088305	0.21410090	2.7673052	21	7 31.7	20.6
235901 2005 CV_{80}	15.4	X	169.19642	77.26653	102.65915	13.86441	0.1001057	0.21359819	2.7716454	21	10 6.6	19.9
235902 2005 DC	15.3	X	9.27481	120.38560	349.85526	16.25085	0.2048484	0.17793872	3.1305627	21	—	—
235903 2005 EG	14.8	X	303.01350	120.69303	79.40421	23.54015	0.2121813	0.17550176	3.1594760	21	—	—
235904 2005 EZ_{3}	16.3	X	325.57578	210.62340	142.11874	6.54661	0.0453654	0.20929018	2.8095503	21	8 18.4	19.8
235905 2005 EV_{9}	15.9	X	7.09028	306.32299	194.65082	2.58448	0.2305901	0.17917147	3.1161868	21	—	—
235906 2005 EH_{17}	15.9	X	245.86263	60.95291	355.83378	2.56706	0.0168109	0.20287154	2.8685029	21	7 29.6	19.8
235907 2005 EJ_{19}	17.0	X	122.29778	149.48920	4.00217	2.25666	0.1709443	0.19877003	2.9078285	21	7 14.9	21.6
235908 2005 EY_{22}	15.6	X	358.09744	255.42856	341.24033	10.20411	0.1331857	0.19025465	2.9939591	21	4 22.5	19.3
235909 2005 EA_{25}	15.5	X	186.14747	57.57714	15.53712	11.34794	0.0789678	0.19741216	2.9211473	21	6 1.4	20.1
235910 2005 EO_{25}	16.3	X	212.97502	290.87268	150.98977	2.60387	0.0350327	0.20286009	2.8686109	21	7 17.5	20.3
235911 2005 EM_{34}	16.1	X	184.34973	47.31895	175.18611	4.79140	0.2330101	0.21841176	2.7307716	21	11 29.3	20.8
235912 2005 EL_{36}	14.8	X	163.05354	36.33919	316.81314	20.71924	0.0168062	0.17979517	3.1089759	21	1 30.8	19.2
235913 2005 EU_{39}	16.3	X	131.95896	98.03861	142.00373	5.45768	0.0597519	0.21891881	2.7265533	21	11 5.5	20.3
235914 2005 EL_{43}	16.2	X	119.44169	194.67679	348.10255	9.29447	0.1502111	0.20259910	2.8710739	21	8 17.8	20.6
235915 2005 EO_{44}	15.5	X	304.03337	293.71278	351.91680	10.13479	0.0604841	0.18959457	3.0009041	21	4 14.8	19.8
235916 2005 EF_{45}	15.4	X	293.96424	27.65444	157.01318	5.26046	0.0895757	0.17400468	3.1775722	21	—	—
235917 2005 EW_{45}	15.5	X	206.20931	138.00720	336.72232	16.73695	0.0314304	0.20833071	2.8181700	21	8 23.5	19.5
235918 2005 EH_{49}	15.9	X	155.45223	321.91075	167.70371	16.60266	0.1862181	0.20286935	2.8685235	21	7 15.3	20.9
235919 2005 EV_{51}	14.9	X	283.65791	238.11696	14.56230	26.75186	0.1626547	0.17702159	3.1413661	21	2 14.6	20.1
235920 2005 EY_{54}	15.6	X	234.66729	319.35009	350.00588	15.00240	0.1982809	0.18045460	3.1013974	21	2 21.7	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
235921 2005 EN_{58}	15.0	X	283.96141	90.95109	178.39730	16.94808	0.1058585	0.18200396	3.0837713	21	2 25.3	19.5
235922 2005 ET_{67}	15.1	X	265.10006	273.67330	7.86803	16.29719	0.0943227	0.17973427	3.1096783	21	2 28.1	19.8
235923 2005 EZ_{71}	16.2	X	20.21517	308.45893	152.74225	30.83364	0.2580878	0.23994877	2.5648208	21	—	—
235924 2005 EF_{84}	15.0	X	319.13706	240.31857	348.85555	16.39663	0.1383087	0.18076728	3.0978199	21	2 20.2	19.2
235925 2005 EA_{96}	15.9	X	144.17840	308.40773	194.36624	11.73038	0.1120751	0.20477297	2.8507183	21	7 16.4	20.5
235926 2005 EL_{97}	14.9	X	355.39835	151.33977	319.01027	21.26062	0.1261320	0.17424128	3.1746951	21	—	—
235927 2005 EL_{100}	15.7	X	340.62456	256.82507	353.47844	10.07406	0.0889865	0.19042909	2.9921305	21	4 16.9	19.5
235928 2005 EO_{101}	15.2	X	62.56137	45.61609	126.04959	11.52966	0.0949761	0.18930672	3.0039454	21	5 18.6	19.3
235929 2005 EX_{101}	15.1	X	97.55520	90.28739	9.17650	19.04987	0.1413162	0.18490457	3.0514361	21	4 4.9	19.4
235930 2005 EO_{104}	16.5	X	219.74386	328.28156	138.72248	5.28120	0.0224898	0.21221101	2.7837108	21	8 30.9	20.3
235931 2005 EU_{113}	15.2	X	276.17941	228.26646	69.84466	12.42685	0.0477080	0.18727912	3.0255881	21	4 7.2	19.7
235932 2005 EE_{116}	16.0	X	333.58394	167.75948	147.20279	2.42962	0.0597396	0.19912297	2.9043914	21	7 8.0	19.6
235933 2005 EP_{119}	16.9	X	243.02803	56.07263	21.49801	19.13870	0.1562822	0.38696864	1.8650288	21	8 23.9	19.3
235934 2005 EA_{120}	16.0	X	290.34123	152.73816	232.85063	5.21228	0.0878538	0.20668372	2.8331215	21	8 3.5	19.9
235935 2005 EO_{126}	15.6	X	97.56377	254.45651	190.24263	10.05021	0.0257993	0.17963215	3.1108567	21	3 1.8	20.0
235936 2005 EJ_{127}	16.6	X	3.71174	151.33377	129.73355	2.95138	0.0226438	0.20414256	2.8565841	21	7 7.6	20.3
235937 2005 EY_{132}	14.7	X	300.12801	136.07779	17.58677	16.73509	0.1221615	0.17083625	3.2167406	21	—	—
235938 2005 EZ_{135}	15.6	X	61.68407	10.42060	116.51199	6.09069	0.1181496	0.18357486	3.0661536	21	3 22.6	19.5
235939 2005 EC_{137}	16.2	X	127.20960	340.95475	145.72639	1.74965	0.1350226	0.19373178	2.9580270	21	6 12.5	20.7
235940 2005 EA_{139}	15.3	X	93.76754	242.93919	191.05720	11.84738	0.0568621	0.17703490	3.1412087	21	2 15.9	19.7
235941 2005 EP_{139}	15.9	X	311.70551	92.55897	136.61497	2.68407	0.1334730	0.17701816	3.1414067	21	2 8.6	20.1
235942 2005 EU_{139}	15.8	X	7.25008	18.96744	180.46711	12.69215	0.2148935	0.18290017	3.0736894	21	3 21.0	18.8
235943 2005 EF_{141}	15.3	X	99.72965	253.90374	276.63136	11.46567	0.1443205	0.19997708	2.8961157	21	7 8.3	19.4
235944 2005 EH_{143}	15.3	X	186.20115	185.50682	170.31602	11.62902	0.0467814	0.17985701	3.1082633	21	2 28.9	19.9
235945 2005 EV_{143}	16.1	X	341.14946	268.96485	27.34385	2.10081	0.0539751	0.19733751	2.9218839	21	6 24.7	19.9
235946 2005 EY_{145}	16.2	X	19.57253	154.25489	32.55187	3.21663	0.1601853	0.18524652	3.0476798	21	3 30.6	19.4
235947 2005 ET_{147}	15.8	X	160.88900	20.06892	54.87080	3.73037	0.0994317	0.19158961	2.9800354	21	5 11.3	20.3
235948 2005 EW_{156}	15.9	X	107.92259	175.87728	24.07425	7.27004	0.1240510	0.20336414	2.8638689	21	8 25.7	20.2
235949 2005 EE_{159}	16.5	X	261.29423	237.22140	177.63553	1.94216	0.0648732	0.20495594	2.8490213	21	8 7.9	20.4
235950 2005 EY_{159}	16.1	X	30.65204	122.67777	180.97731	5.77601	0.0525647	0.20610219	2.8384483	21	9 16.7	19.7
235951 2005 EL_{160}	15.8	X	122.98582	311.30238	126.61613	1.76226	0.0501370	0.18374257	3.0642876	21	3 29.9	20.1
235952 2005 EX_{165}	15.4	X	310.22337	306.62946	4.61286	14.06220	0.1571915	0.19267899	2.9687922	21	5 10.6	19.5
235953 2005 EN_{176}	16.0	X	132.49543	279.09100	349.02493	7.10787	0.1882799	0.21568987	2.7536974	21	12 10.3	20.8
235954 2005 EX_{180}	16.2	X	184.87749	30.60751	158.76954	5.24404	0.0489857	0.21938875	2.7226584	21	11 1.7	20.2
235955 2005 EW_{183}	16.6	X	100.86695	253.27613	339.68663	1.39956	0.0152271	0.20629057	2.8367199	21	9 12.5	20.6
235956 2005 ET_{188}	16.2	X	7.93050	167.19811	6.42920	2.20929	0.0735001	0.17916396	3.1162739	21	2 24.9	20.3
235957 2005 EP_{194}	16.6	X	349.57445	93.98583	191.22614	4.83928	0.0904510	0.19563550	2.9388061	21	6 20.7	20.2
235958 2005 ET_{194}	16.1	X	107.80534	94.85702	332.19663	1.95437	0.1141413	0.18247102	3.0785068	21	3 6.4	20.5
235959 2005 EO_{203}	16.3	X	346.53394	286.90006	100.15230	4.03895	0.0866182	0.22189260	2.7021378	21	11 7.9	19.4
235960 2005 EJ_{204}	16.6	X	103.91150	62.51568	54.45380	2.63565	0.1070325	0.18958808	3.0009726	21	5 1.4	20.8
235961 2005 EX_{205}	15.6	X	336.39965	64.33542	170.61398	8.57009	0.1491220	0.18375264	3.0641756	21	3 19.2	19.2
235962 2005 ER_{216}	16.3	X	337.04588	199.20558	348.32433	0.22513	0.1505862	0.17653950	3.1470824	21	1 20.3	20.3
235963 2005 EU_{216}	16.9	X	347.19219	100.72961	162.94041	23.59495	0.0586610	0.37003209	1.9215121	21	5 11.7	19.2
235964 2005 EX_{217}	15.7	X	260.90984	320.05005	20.23659	11.14628	0.0974362	0.18841574	3.0134079	21	4 27.2	20.1
235965 2005 EG_{218}	15.6	X	143.39434	83.27062	356.23137	9.43280	0.0191362	0.18659508	3.0329780	21	4 17.7	19.9
235966 2005 EB_{220}	14.9	X	12.83491	289.05619	270.14802	10.81697	0.0858781	0.18660191	3.0329039	21	3 29.1	18.9
235967 2005 EK_{221}	15.5	X	356.25142	319.91589	2.87946	7.85333	0.1518949	0.20027409	2.8932516	21	8 27.5	18.6
235968 2005 EY_{236}	16.5	X	159.03910	205.86888	51.05637	3.57859	0.0653711	0.22626809	2.6671893	21	12 24.8	20.3
235969 2005 EK_{239}	16.1	X	115.62875	321.29120	136.08920	2.95427	0.0640535	0.18823595	3.0153265	21	4 16.2	20.3
235970 2005 EH_{240}	16.0	X	306.80683	306.30826	7.95905	11.23517	0.0795642	0.19431544	2.9521007	21	5 23.1	20.1
235971 2005 EE_{248}	16.2	X	292.38986	229.26351	21.15020	0.61095	0.1199321	0.17946407	3.1127987	21	2 12.8	20.7
235972 2005 EH_{250}	15.7	X	10.50839	295.99617	195.08526	13.25606	0.2623464	0.17467951	3.1693831	21	—	—
235973 2005 EJ_{250}	15.0	X	238.89612	174.76009	155.52640	22.65793	0.0363580	0.18519132	3.0482854	21	4 2.2	19.6
235974 2005 EL_{256}	16.3	X	170.97216	236.06231	253.60881	1.10151	0.0277569	0.20136508	2.8827918	21	7 28.6	20.3
235975 2005 EX_{257}	15.6	X	2.81006	89.02655	200.79249	4.71763	0.0963841	0.19736093	2.9216527	21	7 18.3	19.1
235976 2005 EA_{260}	15.7	X	297.68115	176.21051	45.39970	1.67791	0.1454865	0.17390219	3.1788206	21	1 13.5	20.4
235977 2005 ER_{260}	15.7	X	306.02143	275.69349	2.87518	3.31280	0.0292961	0.18852111	3.0122850	21	4 15.8	20.0
235978 2005 ER_{262}	16.3	X	96.06267	246.24908	303.05880	2.81996	0.0999719	0.19872332	2.9082841	21	7 22.9	20.5
235979 2005 EJ_{269}	15.3	X	34.49390	276.84010	209.01255	24.89000	0.2337904	0.17819369	3.1275758	21	1 31.9	19.1
235980 2005 EA_{272}	15.5	X	250.04656	285.41527	115.73290	7.80787	0.0746752	0.20182926	2.8783700	21	7 5.6	19.5
235981 2005 EM_{282}	16.4	X	349.84714	179.33185	3.27582	1.93981	0.1624368	0.17825778	3.1268260	21	2 1.0	20.2
235982 2005 EE_{293}	15.1	X	6.69256	90.05766	95.69495	13.22103	0.1253815	0.18096098	3.0956090	21	3 13.6	19.0
235983 2005 EH_{306}	16.2	X	278.77264	280.43523	351.73383	5.88434	0.0453616	0.18361165	3.0657440	21	3 4.5	20.6
235984 2005 ET_{315}	16.0	X	97.49305	75.90179	22.88680	5.21723	0.1907192	0.18728627	3.0255111	21	4 12.5	20.2
235985 2005 ER_{317}	16.4	X	268.17564	147.05341	211.00033	0.91499	0.1074343	0.19492012	2.9459923	21	5 28.6	20.5
235986 2005 EY_{326}	15.9	X	273.06444	273.09418	106.28853	3.04252	0.0830821	0.20254692	2.8715670	21	7 5.0	19.6
235987 2005 ET_{327}	15.8	X	328.35855	14.21102	203.16332	9.38280	0.0799542	0.17773063	3.1330058	21	2 20.2	20.2
235988 2005 EJ_{330}	15.2	X	11.31104	126.12336	90.27949	11.19789	0.0472437	0.19027232	2.9937738	21	4 28.8	19.3
235989 2005 EO_{330}	15.4	X	332.53818	133.80106	103.77715	11.13306	0.1160500	0.18400661	3.0613555	21	3 26.3	19.5
235990 Laennec	15.8	X	81.89103	63.93966	4.55287	15.70063	0.2163039	0.17988931	3.1078913	21	2 23.7	19.9
235991 2005 FD_{7}	15.7	X	356.64696	79.20149	176.66463	11.82289	0.0520734	0.19171916	2.9786927	21	5 26.6	19.8
235992 2005 FC_{10}	16.0	X	45.52044	19.27451	204.31862	1.52352	0.0348015	0.19389529	2.9563638	21	6 20.5	19.9
235993 2005 FQ_{12}	15.3	X	12.22514	191.54129	35.78261	10.84455	0.0455613	0.19257936	2.9698161	21	5 8.3	19.1
235994 2005 GY_{1}	15.0	X	350.08100	112.90876	29.94915	27.38975	0.1456599	0.17611961	3.1520825	21	—	—
235995 2005 GA_{9}	15.2	X	299.85471	86.08196	174.30708	10.56337	0.0364400	0.18193718	3.0845258	21	3 16.8	19.6
235996 2005 GF_{9}	15.9	X	314.77394	74.99187	164.03841	12.30991	0.2058035	0.17575962	3.1563851	21	2 13.1	20.3
235997 2005 GQ_{18}	15.3	X	254.36139	133.27813	112.75948	11.21323	0.0251691	0.17008360	3.2262233	21	1 8.6	19.9
235998 2005 GZ_{21}	15.6	X	343.24111	32.93403	141.18990	8.75768	0.1270228	0.17545372	3.1600528	21	1 15.4	19.8
235999 Bucciantini	16.1	X	130.86076	251.71063	159.65795	9.09275	0.0830405	0.18238344	3.0794923	21	3 10.9	20.5
236000 2005 GK_{22}	15.5	X	118.93851	342.87222	119.78722	10.71382	0.0754044	0.18696401	3.0289867	21	5 1.7	20.0