Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344001 2011 QD_{46}	13.5	X	334.27958	55.95039	235.61488	7.99196	0.0351194	0.08039163	5.3169450	21	6 13.2	20.4
344002 2011 QN_{47}	13.2	X	289.17606	95.21441	255.59057	10.54216	0.1331609	0.08402627	5.1624914	21	6 14.2	20.0
344003 2011 QW_{53}	13.4	X	310.54092	81.63043	253.48977	9.35283	0.0616321	0.08167375	5.2611544	21	6 30.9	20.2
344004 2011 QV_{73}	13.5	X	285.35422	29.37470	324.85714	6.59931	0.0492544	0.08166153	5.2616794	21	6 25.2	20.4
344005 2011 QZ_{75}	14.0	X	295.70449	359.15924	326.28283	7.26982	0.0637598	0.08216453	5.2401830	21	6 1.1	20.9
344006 2011 QD_{77}	14.3	X	331.54353	13.23648	289.28890	3.65240	0.1585618	0.08296799	5.2062978	21	6 12.2	20.6
344007 2011 RF_{2}	15.4	X	253.64264	88.87273	243.75070	7.19172	0.0124254	0.16969856	3.2311016	21	4 21.4	20.0
344008 2011 SL_{6}	15.9	X	138.80087	319.23711	202.28986	11.82443	0.0332808	0.18929799	3.0040377	21	7 27.4	20.4
344009 2011 SH_{99}	17.0	X	99.53831	129.32115	178.34832	4.81105	0.1381623	0.21637208	2.7479062	21	12 26.1	21.3
344010 2011 SN_{121}	15.6	X	216.36158	240.51160	191.70967	15.81171	0.1036040	0.17529233	3.1619921	21	7 2.5	20.8
344011 2011 UH_{57}	16.2	X	277.31234	192.17990	312.35974	7.55745	0.0797090	0.21599382	2.7511135	21	12 24.4	19.7
344012 2011 UE_{153}	16.7	X	239.96221	164.59325	98.97326	3.16752	0.0824074	0.22921561	2.6442748	21	—	—
344013 2011 UP_{343}	15.0	X	262.51274	295.36182	115.26552	16.71756	0.0682655	0.17816178	3.1279492	21	8 3.7	19.5
344014 2011 XX_{1}	13.5	X	296.97959	9.02402	69.43905	8.05406	0.0483864	0.08297069	5.2061847	21	10 15.5	20.3
344015 2012 BW_{94}	17.6	X	151.49485	345.37254	200.68815	1.78509	0.1293281	0.26564281	2.3966466	21	9 23.3	21.0
344016 2012 BO_{130}	15.7	X	23.16709	9.76410	358.59741	10.99504	0.1272313	0.18336740	3.0684659	21	12 1.8	19.9
344017 2012 BW_{150}	14.9	X	232.67343	273.63768	225.29318	21.54425	0.1945828	0.17194740	3.2028675	21	9 27.1	20.2
344018 2012 DN_{57}	16.7	X	217.75048	197.20335	176.64891	9.49959	0.1328400	0.23408016	2.6075120	21	4 21.3	20.8
344019 2012 DK_{63}	17.3	X	253.89402	336.29757	94.62918	3.77510	0.1605654	0.26237771	2.4164886	21	8 10.2	20.5
344020 2012 DL_{91}	16.8	X	233.53097	163.43651	142.38524	7.00673	0.0146445	0.21664840	2.7455692	21	2 17.9	20.5
344021 2012 FV_{36}	16.7	X	224.08175	291.03006	86.16207	5.15527	0.1239908	0.22872233	2.6480753	21	5 2.3	20.8
344022 2012 GR_{8}	17.7	X	213.07726	21.70160	235.19000	0.92487	0.0891944	0.29203874	2.2499649	21	—	—
344023 2012 GZ_{14}	16.1	X	289.35980	182.73509	280.84918	0.60740	0.1650705	0.17020594	3.2246772	21	10 29.5	20.2
344024 2012 GU_{33}	15.8	X	265.52325	235.93123	299.47978	8.06649	0.0727032	0.17919895	3.1158682	21	—	—
344025 2012 HK_{41}	17.4	X	247.04129	345.96613	212.14890	4.71308	0.0953589	0.28556256	2.2838551	21	—	—
344026 2012 JP_{10}	16.9	X	285.41803	337.10975	69.56449	5.49917	0.0948602	0.24409025	2.5357266	21	8 31.9	20.0
344027 2012 JJ_{11}	17.5	X	192.45538	135.82827	99.56779	24.30410	0.0115999	0.38290938	1.8781865	21	—	—
344028 2012 JV_{18}	16.3	X	233.73823	359.41912	220.72588	1.66596	0.0665548	0.17766841	3.1337372	21	—	—
344029 2012 JN_{35}	16.8	X	288.17156	142.15497	165.77561	6.67259	0.0194702	0.21499811	2.7596010	21	5 2.2	20.6
344030 2012 JA_{64}	15.8	X	323.71912	245.26258	222.59690	18.74420	0.0863788	0.17224784	3.1991421	21	12 30.6	20.2
344031 2012 LZ_{13}	16.0	X	93.55901	211.02452	147.05046	7.19640	0.0390482	0.16745495	3.2598983	21	—	—
344032 2012 LE_{20}	15.6	X	164.01968	182.60975	132.78585	10.15676	0.0624251	0.17446883	3.1719341	21	—	—
344033 2012 LS_{23}	16.9	X	66.92144	56.95736	185.91332	4.56680	0.1129222	0.23476483	2.6024398	21	8 27.9	20.2
344034 2012 MK_{2}	16.9	X	153.03766	26.98811	258.97843	8.95802	0.2098710	0.26414190	2.4057169	21	—	—
344035 2012 MQ_{5}	16.4	X	82.74831	90.09346	169.29597	13.00031	0.1238108	0.24304477	2.5429932	21	10 15.2	20.0
344036 2012 MG_{11}	17.0	X	112.69246	126.55667	180.02739	6.44962	0.2596975	0.25431783	2.4672785	21	—	—
344037 2012 PG_{2}	17.1	X	274.67569	112.99820	299.61133	3.31047	0.1432381	0.21251138	2.7810871	21	8 11.1	20.9
344038 2012 PH_{4}	17.2	X	1.74798	213.10158	219.44856	2.55083	0.1565050	0.24531764	2.5272616	21	—	—
344039 2012 PB_{5}	15.5	X	243.03042	350.90529	296.04129	7.85993	0.0472471	0.17447241	3.1718907	21	2 8.8	20.2
344040 2012 PO_{5}	16.8	X	167.76186	347.03636	306.99020	13.56192	0.1390328	0.26690076	2.3891101	21	—	—
344041 2012 PY_{5}	17.4	X	156.43865	123.65728	254.15462	2.75834	0.1681547	0.28131585	2.3067822	21	2 18.9	20.7
344042 2012 PY_{8}	16.3	X	313.00960	15.20506	285.89674	9.23417	0.2131689	0.20203468	2.8764187	21	4 22.6	20.2
344043 2012 PF_{11}	16.0	X	174.14835	143.12131	289.96557	5.33449	0.0248012	0.19613705	2.9337940	21	5 18.9	20.2
344044 2012 PB_{24}	16.2	X	5.47208	0.30988	333.00427	13.96914	0.0666941	0.22122557	2.7075667	21	9 18.3	19.6
344045 2012 QT_{14}	15.5	X	38.80046	25.49893	318.52187	6.27663	0.3575541	0.23353400	2.6115758	21	—	—
344046 2012 QJ_{19}	16.3	X	100.45285	32.08356	229.16615	5.60865	0.0582755	0.23404516	2.6077719	21	10 26.4	19.9
344047 4331 $P–L$	18.1	X	260.51244	27.77349	334.17294	1.81885	0.2025322	0.30370902	2.1919514	21	5 6.3	21.0
344048 6807 $P–L$	16.5	X	307.49177	225.63710	166.39267	8.05117	0.2332661	0.20917123	2.8106153	21	8 18.5	19.5
344049 6865 $P–L$	16.4	X	46.44075	28.78538	5.09394	15.50006	0.1387560	0.24648940	2.5192459	21	—	—
344050 1254 $T–2$	17.6	X	180.27955	160.55824	197.08123	4.78328	0.2581832	0.27831651	2.3233255	21	2 22.4	21.6
344051 4074 $T–2$	17.3	X	15.14203	317.01120	54.80631	2.25436	0.2902435	0.22803614	2.6533850	21	—	—
344052 4121 $T–2$	16.5	X	227.07351	330.24900	55.24211	3.83498	0.3090263	0.18038781	3.1021629	21	5 6.9	21.9
344053 5478 $T–2$	16.2	X	17.28048	137.02409	234.70011	9.75348	0.1748528	0.22815412	2.6524702	21	12 16.9	19.3
344054 4185 $T–3$	15.9	X	203.05311	296.42777	76.25387	6.40827	0.2015362	0.17156781	3.2075900	21	4 10.7	21.3
344055 4530 $T–3$	17.2	X	171.60032	355.24174	54.23706	6.97722	0.1571902	0.28273051	2.2990809	21	4 18.4	20.6
344056 1992 HT_{3}	15.3	X	141.35938	186.17915	47.27527	37.01723	0.0961841	0.21929072	2.7234697	21	11 7.9	19.4
344057 1993 QP_{8}	16.2	X	332.96095	26.48385	355.48417	7.90555	0.2324132	0.21190804	2.7863634	21	9 30.3	18.6
344058 1994 PS_{22}	17.8	X	233.08570	329.21261	349.65721	4.57365	0.2336282	0.27946463	2.3169580	21	2 17.7	21.6
344059 1994 SY_{8}	17.5	X	187.26466	358.95513	9.49696	5.56842	0.2513436	0.27701499	2.3305971	21	3 15.1	21.5
344060 1995 OL	16.2	X	155.82052	337.47949	304.24881	11.55772	0.1247855	0.24258326	2.5462175	21	—	—
344061 1995 OL_{11}	16.7	X	205.84332	210.93896	141.38090	1.98637	0.1801373	0.17658160	3.1465822	21	3 18.2	21.8
344062 1995 OO_{16}	18.0	X	236.11340	204.40804	161.74918	7.84308	0.1634551	0.29408106	2.2395358	21	4 24.1	21.4
344063 1995 SM_{13}	17.2	X	107.15357	324.43211	354.23024	6.54881	0.1647911	0.23804787	2.5784567	21	—	—
344064 1995 SB_{52}	17.9	X	151.98601	6.08085	13.38101	2.38125	0.1692428	0.28422563	2.2910113	21	2 18.2	21.0
344065 1995 UB_{4}	17.0	X	25.99504	18.87003	32.18131	9.08190	0.4068748	0.23329811	2.6133359	21	—	—
344066 1995 UL_{11}	18.3	X	184.56932	184.39215	215.48573	2.30718	0.2020337	0.28977027	2.2616922	21	4 17.5	21.7
344067 1995 WK_{38}	15.8	X	270.28938	286.31234	29.49263	9.61619	0.0665944	0.17453131	3.1711770	21	4 15.2	20.4
344068 1995 YN_{8}	16.1	X	259.59586	101.05374	237.29463	8.33390	0.2997025	0.17784874	3.1316185	21	4 4.0	21.5
344069 1996 BD_{6}	17.6	X	104.27644	32.63521	100.44640	5.36846	0.1550282	0.28319809	2.2965496	21	5 25.1	20.5
344070 1996 VN_{35}	16.3	X	249.28058	133.47469	254.49802	7.41218	0.3488485	0.18790718	3.0188426	21	5 22.1	21.6
344071 1996 XS_{16}	16.6	X	227.08955	322.90661	59.22733	3.35646	0.2630834	0.18373082	3.0644183	21	5 5.1	22.0
344072 1997 CY_{1}	18.0	X	222.44528	317.00887	332.52069	24.34116	0.2830363	0.40229585	1.8173518	21	—	—
344073 1997 CD_{16}	15.8	X	199.44913	298.36486	149.08864	17.91695	0.1589799	0.17838438	3.1253464	21	7 3.9	21.2
344074 1997 UH_{9}	18.8	X	283.92273	180.91186	42.39943	25.48916	0.4746912	1.30335855	0.8300293	21	—	—
344075 1997 WK_{9}	17.5	X	120.24904	331.81225	50.18176	6.61574	0.2316508	0.26231648	2.4168646	21	1 29.4	20.6
344076 1998 HJ_{3}	18.8	X	74.98051	94.14013	223.61694	6.56417	0.7465126	0.35217329	1.9859353	21	—	—
344077 1998 HG_{8}	17.6	X	290.57819	156.26030	154.66117	5.17677	0.2639411	0.29890759	2.2153622	21	3 25.8	20.8
344078 1998 QB_{29}	17.4	X	161.16685	126.53359	201.76598	7.54008	0.2179976	0.27736187	2.3286535	21	—	—
344079 1998 RO_{8}	17.2	X	267.21972	11.32847	330.24568	5.22791	0.2267539	0.29227251	2.2487650	21	4 12.5	20.7
344080 1998 RP_{36}	16.5	X	5.09685	200.39834	184.80490	14.39557	0.2667896	0.21903494	2.7255895	21	12 26.5	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344081 1998 SP_{16}	17.2	X	333.21323	183.85694	180.95641	6.09241	0.0708587	0.21291100	2.7776060	21	9 13.8	20.4
344082 1998 SF_{21}	17.1	X	8.39043	163.71290	182.92212	3.95474	0.1095460	0.21505632	2.7591030	21	10 19.2	20.3
344083 1998 TX_{11}	16.7	X	312.41067	184.40566	210.72788	3.83796	0.0810802	0.21141952	2.7906540	21	9 21.0	20.2
344084 1998 TZ_{27}	16.7	X	2.34227	176.63350	187.88820	3.27577	0.2063193	0.21683987	2.7439528	21	11 13.8	19.3
344085 1998 UA_{45}	17.6	X	283.42193	288.22448	8.46296	5.15241	0.1719376	0.28784068	2.2717887	21	3 11.2	20.6
344086 1999 AW_{11}	17.8	X	349.35972	238.85194	282.70123	2.38850	0.0754014	0.26632075	2.3925776	21	—	—
344087 1999 CA_{130}	17.7	X	107.57710	353.08315	110.86661	6.60984	0.0943239	0.27471109	2.3436095	21	4 11.9	20.6
344088 1999 CL_{152}	16.9	X	245.38345	297.75001	146.86555	2.18644	0.1369834	0.19927891	2.9028760	21	8 17.3	21.1
344089 1999 JN_{47}	16.4	X	247.43416	27.54960	235.74686	9.28507	0.1257964	0.25604354	2.4561798	21	—	—
344090 1999 JK_{133}	16.5	X	332.71185	106.03817	73.70859	23.02354	0.1864120	0.26055552	2.4277420	21	—	—
344091 1999 LG_{7}	16.7	X	65.64728	233.29606	103.30155	7.45051	0.3488091	0.23488702	2.6015371	21	—	—
344092 1999 NK_{2}	15.5	X	89.04120	159.86860	217.48700	13.23862	0.1626626	0.24202556	2.5501275	21	—	—
344093 1999 RB_{19}	17.5	X	334.12295	79.64738	237.78793	4.66112	0.3209582	0.31188381	2.1534799	21	6 1.3	18.4
344094 1999 RD_{126}	16.4	X	132.97704	107.74815	197.07771	4.69210	0.2469198	0.24011813	2.5636147	21	—	—
344095 1999 RG_{153}	17.7	X	299.82066	32.25656	306.86350	5.70469	0.2281374	0.30831004	2.1700893	21	5 17.5	20.1
344096 1999 RL_{237}	16.9	X	29.60181	256.30850	112.26549	6.96120	0.2949612	0.23015166	2.6371002	21	—	—
344097 1999 RJ_{252}	17.3	X	33.10879	271.45617	156.89058	2.06884	0.0668113	0.23741436	2.5830415	21	—	—
344098 1999 SG_{18}	16.2	X	23.87776	330.53843	25.60257	13.30311	0.3006452	0.22934101	2.6433109	21	12 26.6	19.7
344099 1999 TC_{25}	16.8	X	13.15582	68.56523	1.35991	5.83265	0.3397499	0.23269444	2.6178537	21	—	—
344100 1999 TK_{30}	16.7	X	42.73671	348.78429	358.22527	3.70701	0.3251426	0.23054484	2.6341011	21	—	—
344101 1999 TR_{59}	17.0	X	17.05276	88.50302	334.84579	4.02919	0.2282519	0.23406323	2.6076377	21	—	—
344102 1999 TT_{94}	16.3	X	5.48933	284.56946	137.07363	5.86245	0.2974559	0.23072587	2.6327231	21	—	—
344103 1999 TD_{127}	16.4	X	14.99000	229.40056	193.54286	12.94603	0.2333065	0.23217385	2.6217655	21	—	—
344104 1999 TH_{148}	17.2	X	12.45589	199.59657	188.78181	3.07377	0.2304343	0.22934013	2.6433176	21	—	—
344105 1999 TD_{150}	16.6	X	48.51257	185.51765	182.93500	13.16842	0.1771639	0.23187474	2.6240197	21	—	—
344106 1999 TH_{237}	16.7	X	34.08769	314.46735	46.86403	2.83948	0.1580677	0.23001207	2.6381671	21	12 25.3	20.0
344107 1999 TA_{242}	15.9	X	22.19945	314.97141	72.88335	14.83526	0.1151468	0.22910944	2.6450916	21	—	—
344108 1999 TB_{255}	16.8	X	49.14719	55.89091	333.06143	6.77611	0.1977654	0.23269456	2.6178529	21	—	—
344109 1999 TF_{264}	18.4	X	285.84630	150.39175	199.31869	1.84048	0.1700017	0.30494792	2.1860106	21	5 25.3	21.1
344110 1999 TR_{305}	16.3	X	80.94551	94.29773	252.67181	11.84731	0.2148271	0.23459966	2.6036611	21	—	—
344111 1999 UB_{28}	16.9	X	333.09115	147.35613	196.14003	10.14004	0.1982077	0.22160806	2.7044503	21	8 2.9	19.8
344112 1999 VD_{4}	16.7	X	18.05199	355.34414	54.02011	5.95779	0.3752484	0.23053305	2.6341909	21	—	—
344113 1999 VJ_{41}	16.6	X	255.60032	108.45008	64.95668	13.91513	0.1931587	0.22671682	2.6636688	21	12 15.4	20.0
344114 1999 VU_{54}	17.1	X	17.26021	348.88550	46.65559	3.38065	0.2072056	0.22943911	2.6425573	21	—	—
344115 1999 VV_{71}	17.2	X	355.50207	355.86952	56.97433	9.31666	0.2523613	0.22696210	2.6617494	21	—	—
344116 1999 VB_{83}	16.3	X	268.76242	104.85936	27.41813	22.08045	0.0636683	0.22768323	2.6561261	21	11 24.3	20.0
344117 1999 VF_{116}	17.2	X	274.64578	235.87714	218.62551	8.28545	0.0940910	0.22113980	2.7082667	21	10 13.9	20.6
344118 1999 VN_{122}	16.9	X	215.32586	236.71019	67.20486	8.19903	0.1289123	0.28817720	2.2700198	21	1 13.7	20.3
344119 1999 VF_{130}	16.5	X	272.29170	282.13002	228.75921	12.79663	0.1341181	0.22694835	2.6618569	21	12 19.7	19.8
344120 1999 VM_{142}	17.3	X	334.56854	288.33903	165.70390	2.29737	0.0459810	0.22898795	2.6460271	21	—	—
344121 1999 VD_{143}	17.5	X	303.67068	341.54464	358.10542	7.26240	0.1304072	0.30807798	2.1711789	21	6 12.8	19.9
344122 1999 VP_{185}	16.4	X	54.13721	273.82341	59.85443	12.87416	0.2015275	0.22745844	2.6578758	21	12 19.5	20.3
344123 1999 VC_{197}	16.2	X	43.83273	312.25701	51.67506	12.98849	0.2504947	0.23098426	2.6307594	21	—	—
344124 1999 VB_{212}	17.9	X	245.76830	358.01900	64.86893	2.51147	0.0565362	0.30523412	2.1846439	21	8 5.2	20.3
344125 1999 XD_{9}	15.7	X	19.31080	307.90299	90.93308	23.10105	0.0711129	0.22803379	2.6534032	21	—	—
344126 1999 XC_{17}	17.0	X	138.48764	144.79285	258.46024	19.96920	0.0590399	0.37878655	1.8917904	21	1 20.9	19.1
344127 1999 XO_{24}	16.6	X	5.89844	351.79456	63.90886	15.32687	0.2599895	0.22895586	2.6462744	21	—	—
344128 1999 XR_{49}	17.0	X	12.59361	149.22366	255.81093	5.85504	0.2167422	0.22821760	2.6519783	21	—	—
344129 1999 XW_{148}	17.4	X	112.36342	112.27082	73.96936	6.15322	0.0758193	0.30247522	2.1979080	21	8 11.0	20.2
344130 1999 XW_{235}	15.3	X	143.91625	318.73948	81.09973	9.55088	0.1751823	0.15217278	3.4746527	21	3 27.2	20.9
344131 1999 YE_{10}	17.1	X	342.51219	246.60483	197.24288	2.90321	0.1507098	0.22803962	2.6533580	21	—	—
344132 1999 YP_{13}	15.4	X	33.02697	286.22446	121.52414	29.12452	0.3825523	0.23210773	2.6222634	21	—	—
344133 2000 AD_{6}	18.4	X	200.83195	335.23169	112.79929	30.07752	0.4239214	0.29948162	2.2125305	21	6 30.2	22.9
344134 2000 AS_{169}	15.8	X	333.25430	207.18541	245.00168	28.76551	0.1415679	0.22716819	2.6601393	21	—	—
344135 2000 BO_{40}	16.4	X	344.63448	253.86271	135.06293	8.28199	0.2351578	0.21748951	2.7384859	21	11 16.4	18.9
344136 2000 CF_{24}	16.9	X	248.52405	217.14299	301.06154	5.98447	0.3024195	0.21745644	2.7387635	21	10 30.2	21.1
344137 2000 DG_{22}	16.7	X	297.80022	125.46831	331.92869	8.65042	0.1745587	0.21862655	2.7289827	21	11 9.2	19.9
344138 2000 ES_{153}	16.1	X	267.94889	307.75779	176.40559	9.64510	0.1465042	0.21463147	2.7627427	21	11 6.9	19.7
344139 2000 GX_{139}	17.2	X	328.19267	144.63290	69.01629	6.12922	0.1798704	0.27521152	2.3407677	21	1 14.9	20.2
344140 2000 HB_{46}	17.4	X	204.81044	218.10807	42.41678	21.47443	0.0493639	0.35712600	1.9675317	21	—	—
344141 2000 HS_{66}	16.6	X	165.58355	134.62014	42.83288	8.66420	0.1417594	0.20311659	2.8661953	21	9 25.3	21.2
344142 2000 HL_{102}	17.5	X	337.68346	185.90557	47.77819	3.29816	0.1738464	0.27836844	2.3230366	21	2 26.9	19.8
344143 2000 JQ_{3}	18.2	X	153.03287	218.38410	54.70514	7.76658	0.4853669	0.25473016	2.4646153	21	—	—
344144 2000 KA_{22}	17.4	X	302.62679	155.36941	72.31709	3.18278	0.1716376	0.27147339	2.3622066	21	1 4.0	20.8
344145 2000 KX_{37}	16.5	X	267.50329	39.98355	107.84303	4.98496	0.0409477	0.21037521	2.7998817	21	12 18.4	20.2
344146 2000 NP_{11}	15.0	X	276.30022	103.26586	116.14657	30.62678	0.4290170	0.21839975	2.7308717	21	—	—
344147 2000 PK_{8}	17.8	X	92.12556	51.90671	319.49016	15.77136	0.4566715	0.24936976	2.4998091	21	1 16.9	20.4
344148 2000 QD_{43}	17.5	X	102.11936	179.33082	190.09071	2.69941	0.2979135	0.25198876	2.4824582	21	—	—
344149 2000 QH_{148}	16.8	X	84.31352	198.08488	200.58291	4.29111	0.2926679	0.25100212	2.4889592	21	1 5.8	19.0
344150 2000 QV_{159}	17.9	X	41.07987	177.55103	182.52940	10.53393	0.3466030	0.24314786	2.5422743	21	—	—
344151 2000 SV_{4}	18.0	X	238.12990	273.76119	46.96144	10.23229	0.1606862	0.40738526	1.8021842	21	2 13.6	20.5
344152 2000 SS_{50}	17.4	X	117.56455	156.31352	200.07513	9.06057	0.1793667	0.25217938	2.4812070	21	—	—
344153 2000 SU_{56}	17.6	X	112.45227	14.46949	356.57869	1.83367	0.1851064	0.25270730	2.4777502	21	—	—
344154 2000 TN_{57}	17.0	X	140.28137	280.71497	57.86463	10.64329	0.2920594	0.25401635	2.4692303	21	1 4.4	20.8
344155 2000 UE_{66}	16.9	X	175.87683	80.76797	274.33609	3.51633	0.1968367	0.25801430	2.4436567	21	2 14.7	20.9
344156 2000 VJ_{43}	17.0	X	90.69075	168.03119	261.42554	2.97061	0.2502727	0.25246152	2.4793581	21	2 21.9	19.7
344157 2000 WS_{52}	16.8	X	7.17615	200.10801	243.85668	6.73343	0.1294918	0.24236834	2.5477225	21	—	—
344158 2000 WV_{66}	15.7	X	333.36069	173.43734	254.30082	21.31651	0.0488699	0.23505744	2.6002796	21	12 11.7	19.0
344159 2000 WY_{120}	15.7	X	86.14390	333.54184	62.49227	9.58046	0.2650556	0.24550736	2.5259594	21	1 3.8	18.1
344160 2000 WS_{155}	16.1	X	88.41560	52.34925	316.13876	6.26941	0.1619501	0.24578707	2.5240427	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344161 2000 YK_{18}	16.3	X	65.31510	225.04002	222.22426	6.63668	0.3446547	0.24745326	2.5126998	21	2 14.3	18.1
344162 2000 YL_{30}	16.5	X	14.54229	87.74296	311.16185	12.15268	0.3012332	0.23566497	2.5958088	21	—	—
344163 2000 YZ_{49}	15.8	X	77.45569	85.08963	288.33949	8.74063	0.2432005	0.24203703	2.5500470	21	—	—
344164 2000 YF_{61}	16.3	X	63.91266	157.80672	263.70921	3.82068	0.2670627	0.24511738	2.5286379	21	—	—
344165 2000 YN_{87}	16.2	X	62.56413	101.11436	324.59710	2.18020	0.2136795	0.24620952	2.5211546	21	—	—
344166 2000 YK_{90}	16.5	X	313.18499	140.79040	273.66008	3.76040	0.2611072	0.22955268	2.6416857	21	10 1.0	18.8
344167 2000 YT_{95}	15.6	X	65.40286	306.19278	97.85138	16.02482	0.1236710	0.24386803	2.5372668	21	—	—
344168 2000 YU_{139}	15.6	X	73.59443	75.05009	313.66600	6.60005	0.2916134	0.24154923	2.5534789	21	—	—
344169 2001 AD_{1}	16.6	X	39.15754	283.49847	107.56306	8.85738	0.1715321	0.23587446	2.5942716	21	—	—
344170 2001 AF_{36}	17.7	X	91.65167	196.73784	309.31308	16.77563	0.1507424	0.40054960	1.8226300	21	5 7.3	19.6
344171 2001 AA_{47}	16.5	X	312.10630	107.67021	351.79554	29.51159	0.3190507	0.23366745	2.6105813	21	11 24.7	19.2
344172 2001 AV_{49}	16.7	X	305.37053	111.90682	306.26875	10.61818	0.2883718	0.22882911	2.6472515	21	9 10.4	19.5
344173 2001 BS_{24}	15.8	X	74.00397	90.10889	313.81292	5.06209	0.2492750	0.24375381	2.5380594	21	—	—
344174 2001 BF_{30}	15.7	X	315.14959	120.42168	297.72744	13.86022	0.0669964	0.22708231	2.6608099	21	10 24.3	19.3
344175 2001 BO_{30}	17.1	X	13.81102	165.18309	299.76076	4.27115	0.2205612	0.24160983	2.5530520	21	—	—
344176 2001 BU_{52}	15.8	X	86.74205	174.14553	233.00915	5.46523	0.2760809	0.24604641	2.5222688	21	1 20.7	18.3
344177 2001 BV_{53}	17.6	X	332.26584	136.70958	115.97445	25.63328	0.0273943	0.39824528	1.8296539	21	4 3.9	20.0
344178 2001 CD_{13}	16.9	X	320.26185	36.71458	100.32988	5.23828	0.2418983	0.23586084	2.5943714	21	—	—
344179 2001 DX_{7}	16.4	X	352.70219	0.73107	140.92044	13.28490	0.2082742	0.23979140	2.5659428	21	—	—
344180 2001 DP_{9}	16.5	X	274.35033	103.00486	95.60708	6.83508	0.1957245	0.23508914	2.6000458	21	—	—
344181 2001 DR_{15}	16.5	X	9.19155	14.10084	108.58423	7.27500	0.2349211	0.24071251	2.5593928	21	—	—
344182 2001 DT_{27}	16.4	X	238.71510	27.57324	140.39754	14.29086	0.1898296	0.22711775	2.6605331	21	11 23.1	20.4
344183 2001 DC_{100}	16.2	X	355.10149	211.32479	255.63935	3.30986	0.1980871	0.23673594	2.5879740	21	—	—
344184 2001 DT_{105}	16.5	X	329.03867	255.95533	167.61842	6.36591	0.3801629	0.23224963	2.6211952	21	12 10.1	17.3
344185 2001 DE_{106}	13.1	X	272.63325	141.98999	324.36074	17.61553	0.1200070	0.08119393	5.2818615	21	9 28.3	20.2
344186 2001 FD_{96}	16.2	X	41.46702	38.70587	62.45750	6.89149	0.2687042	0.24114180	2.5563543	21	—	—
344187 2001 FK_{202}	17.0	X	304.96922	291.73273	184.26237	4.46310	0.1050237	0.22829844	2.6513522	21	12 29.6	20.1
344188 2001 HW_{24}	17.2	X	331.21800	199.16271	71.50262	7.68981	0.2161727	0.29470773	2.2363599	21	4 4.3	19.5
344189 2001 HJ_{61}	16.4	X	150.57551	176.60991	44.24698	8.92172	0.1661059	0.21546053	2.7556511	21	11 1.0	21.0
344190 2001 JO_{10}	17.2	X	324.48479	55.78547	228.10858	6.84671	0.2509300	0.29361053	2.2419279	21	3 30.7	19.6
344191 2001 KB_{18}	17.4	X	163.27422	36.54575	255.85144	5.01178	0.3200231	0.27034876	2.3687531	21	—	—
344192 2001 LX_{16}	17.2	X	237.18438	220.84600	116.71957	10.09959	0.2266318	0.28611121	2.2809344	21	3 18.7	21.1
344193 2001 NV_{5}	17.6	X	24.45311	249.83813	350.28567	3.87823	0.1321981	0.29308860	2.2445887	21	6 15.8	19.4
344194 2001 OZ_{22}	17.2	X	222.81124	51.31009	249.59022	20.18983	0.0647455	0.37220995	1.9140094	21	—	—
344195 2001 OS_{28}	17.6	X	283.16440	184.40331	76.20255	8.86350	0.2183484	0.28165862	2.3049103	21	1 20.4	21.2
344196 2001 OY_{34}	17.2	X	147.22578	220.27833	86.34877	8.91782	0.2533792	0.26711675	2.3878221	21	—	—
344197 2001 OS_{94}	16.3	X	253.91680	233.14390	127.09301	9.64198	0.1820707	0.23812642	2.5778897	21	5 7.9	20.4
344198 2001 PU_{34}	15.9	X	294.61978	97.11886	255.51823	9.15430	0.1241200	0.19069773	2.9893197	21	6 22.3	19.9
344199 2001 PF_{41}	17.1	X	224.48454	24.10028	291.99968	6.89181	0.2171314	0.27673302	2.3321800	21	2 5.9	20.9
344200 2001 QR_{5}	17.6	X	186.17379	176.39604	147.70625	2.72148	0.2319153	0.27345017	2.3508085	21	1 18.0	21.3
344201 2001 QB_{107}	17.2	X	154.02523	68.66381	259.66827	17.96504	0.0580250	0.36780437	1.9292631	21	—	—
344202 2001 QJ_{111}	17.1	X	196.99293	214.67050	114.75955	10.81947	0.2972617	0.27566344	2.3382087	21	2 5.3	21.2
344203 2001 QR_{123}	17.7	X	191.00151	287.77728	66.48658	3.03512	0.2445217	0.27627135	2.3347774	21	3 1.2	21.6
344204 2001 QO_{149}	15.3	X	187.70902	256.64358	109.24996	13.51219	0.1734973	0.17813666	3.1282433	21	3 24.0	20.7
344205 2001 QY_{149}	16.8	X	153.51091	239.18838	110.98841	5.80384	0.2531862	0.26841280	2.3801294	21	1 24.5	20.5
344206 2001 QZ_{154}	16.1	X	176.46368	156.23946	186.05254	10.36156	0.2117858	0.17435849	3.1732721	21	2 9.8	21.6
344207 2001 QD_{177}	16.7	X	18.66449	285.11637	1.23448	1.42522	0.0497745	0.19283782	2.9671619	21	8 6.8	20.4
344208 2001 QC_{252}	18.0	X	187.25311	324.69240	28.56450	2.77995	0.2197423	0.27591203	2.3368040	21	2 23.7	21.9
344209 2001 QZ_{265}	15.5	X	269.58624	93.24132	269.06474	13.08763	0.2507352	0.18856318	3.0118369	21	5 16.5	20.2
344210 2001 QV_{292}	15.8	X	300.20241	351.31209	310.53209	11.79616	0.1988558	0.18667508	3.0321114	21	4 7.5	20.2
344211 2001 QE_{333}	17.5	X	204.69794	71.35498	282.64434	5.38925	0.1305938	0.27779776	2.3262170	21	3 5.5	21.2
344212 2001 RL_{9}	17.1	X	136.80111	78.09990	267.25649	17.65032	0.0911210	0.36522536	1.9383347	21	—	—
344213 2001 RL_{31}	16.3	X	269.87209	335.69770	2.05282	3.97051	0.2142567	0.18668907	3.0319599	21	4 21.2	21.0
344214 2001 RH_{36}	17.3	X	166.98810	124.86934	180.38935	7.26540	0.2269845	0.26842651	2.3800483	21	—	—
344215 2001 RW_{42}	17.2	X	223.11258	56.67799	288.98583	6.41767	0.1591595	0.27962040	2.3160974	21	3 11.7	20.9
344216 2001 RB_{54}	17.0	X	126.15622	289.72703	21.83852	4.92179	0.1842225	0.26299034	2.4127344	21	—	—
344217 2001 RJ_{57}	17.4	X	70.03738	321.19445	69.07032	2.24026	0.1609891	0.26231098	2.4168985	21	—	—
344218 2001 RK_{65}	17.4	X	85.96121	78.99699	301.26851	4.78403	0.2225885	0.26221551	2.4174851	21	—	—
344219 2001 RT_{69}	17.4	X	177.37540	61.06111	300.56674	1.81684	0.2343838	0.27294386	2.3537147	21	2 25.1	21.1
344220 2001 RV_{83}	17.4	X	97.56515	168.92014	186.30127	4.32494	0.2115531	0.26253124	2.4155464	21	—	—
344221 2001 RY_{89}	17.5	X	203.94032	273.96653	52.08300	3.07033	0.2285729	0.27426302	2.3461614	21	2 4.7	21.5
344222 2001 RK_{106}	16.4	X	322.91359	161.48490	169.01978	7.65324	0.1919928	0.19326254	2.9628131	21	6 26.7	19.9
344223 2001 RY_{106}	17.5	X	218.69061	222.63569	122.70561	3.13314	0.1920757	0.27887666	2.3202134	21	3 11.4	21.2
344224 2001 RK_{120}	18.1	X	140.87782	266.21386	122.76585	2.09516	0.1926725	0.27175725	2.3605613	21	2 22.7	21.4
344225 2001 RU_{122}	16.3	X	268.04135	211.96349	157.68918	2.84198	0.1992261	0.18844908	3.0130525	21	5 31.9	20.8
344226 2001 RE_{138}	16.0	X	300.95949	319.78199	24.85041	4.04004	0.0962155	0.19073049	2.9889774	21	6 25.2	19.9
344227 2001 RA_{146}	15.8	X	177.06575	81.08772	284.75595	4.02287	0.2070907	0.17650856	3.1474502	21	3 8.8	21.1
344228 2001 RN_{154}	17.4	X	162.11392	167.40231	240.74043	4.89391	0.2282522	0.27669195	2.3324107	21	4 9.2	21.1
344229 2001 SC	16.7	X	112.35769	34.03860	302.37144	5.35658	0.1486131	0.26457420	2.4030956	21	—	—
344230 2001 SR_{10}	15.5	X	120.68689	258.68968	157.35977	26.31688	0.2679577	0.17267041	3.1939205	21	3 30.2	20.8
344231 2001 SX_{14}	17.4	X	79.79103	31.30633	349.77692	0.51098	0.1910535	0.26202311	2.4186683	21	—	—
344232 2001 SO_{25}	17.9	X	208.26660	184.89858	157.79950	1.15640	0.2050697	0.27605708	2.3359854	21	2 26.5	21.6
344233 2001 SQ_{41}	16.2	X	239.25111	227.09425	182.87287	13.85786	0.2031391	0.18688974	3.0297892	21	6 21.2	21.3
344234 2001 SJ_{120}	15.9	X	246.27760	230.41202	189.31304	12.18677	0.0957841	0.19071275	2.9891627	21	7 19.9	20.5
344235 2001 SA_{124}	17.5	X	162.17025	118.71940	285.90071	4.19256	0.2297334	0.27627597	2.3347514	21	4 4.2	21.4
344236 2001 SC_{127}	18.4	X	162.15969	138.49533	186.08233	5.70126	0.3164030	0.26928523	2.3749859	21	1 5.6	22.4
344237 2001 SG_{137}	17.1	X	78.41525	165.42423	190.18475	6.87536	0.1617209	0.25901884	2.4373345	21	—	—
344238 2001 SW_{138}	16.2	X	248.63942	42.60784	340.28268	4.15340	0.1558999	0.18579920	3.0416331	21	5 31.8	20.9
344239 2001 ST_{140}	17.9	X	151.97197	200.51962	194.37856	1.95718	0.2296044	0.27257962	2.3558111	21	3 16.1	21.6
344240 2001 SV_{143}	16.0	X	166.54412	70.65884	281.04806	2.68784	0.1343279	0.17211361	3.2008051	21	2 9.9	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344241 2001 SQ_{145}	15.9	X	230.55968	159.24537	193.60729	12.52216	0.1531430	0.18113325	3.0936458	21	4 9.4	20.8
344242 2001 SA_{147}	17.8	X	148.64626	225.24605	191.53172	3.57555	0.2505044	0.27414173	2.3468533	21	4 11.9	21.5
344243 2001 SO_{147}	17.6	X	224.38767	57.22569	270.67729	3.41175	0.2617070	0.27748015	2.3279917	21	2 19.6	21.7
344244 2001 SD_{148}	17.4	X	92.51030	57.78099	300.47627	3.16995	0.2639542	0.26153555	2.4216734	21	—	—
344245 2001 SQ_{155}	16.0	X	254.93251	11.22624	5.77440	5.33158	0.2965896	0.18526299	3.0474992	21	5 16.6	21.1
344246 2001 SN_{159}	17.2	X	121.76360	186.26102	213.98515	5.09006	0.1219927	0.26938056	2.3744255	21	2 2.4	20.2
344247 2001 SL_{179}	15.0	X	245.10829	324.14886	54.08950	29.18545	0.1772749	0.18123955	3.0924361	21	5 19.7	19.9
344248 2001 SN_{202}	18.0	X	188.72485	158.38177	190.71645	0.74228	0.2014709	0.27423736	2.3463077	21	2 17.9	21.7
344249 2001 SS_{241}	16.0	X	195.65283	9.23851	24.47118	11.93029	0.1239985	0.17885566	3.1198539	21	4 25.3	21.1
344250 2001 SL_{242}	17.5	X	242.18343	295.84937	21.88146	7.14273	0.1399123	0.27650086	2.3334853	21	3 1.8	21.0
344251 2001 SV_{244}	16.3	X	235.18551	308.50088	66.97440	2.89204	0.1791169	0.18277858	3.0750524	21	5 8.8	21.2
344252 2001 ST_{247}	17.7	X	172.75911	190.66651	166.78527	5.59390	0.2414267	0.27154098	2.3618145	21	2 16.7	21.5
344253 2001 SH_{249}	17.4	X	216.37464	285.63470	38.76313	3.17150	0.2080356	0.27401194	2.3475944	21	2 12.5	21.3
344254 2001 SU_{251}	17.0	X	224.96356	277.31581	28.66785	6.64059	0.1340166	0.27183474	2.3601127	21	1 29.8	20.7
344255 2001 SQ_{262}	18.2	X	65.72039	207.41235	192.00195	22.36375	0.0917361	0.36230166	1.9487487	21	—	—
344256 2001 SR_{274}	16.4	X	219.63080	269.77136	159.65259	0.31221	0.1544354	0.18581261	3.0414868	21	6 30.5	21.2
344257 2001 SL_{290}	17.1	X	79.34439	68.90205	309.34727	10.01767	0.2828761	0.26073116	2.4266516	21	—	—
344258 2001 SE_{295}	17.7	X	192.22109	130.76056	185.03636	4.40061	0.2432968	0.27288174	2.3540719	21	1 13.1	21.7
344259 2001 SF_{303}	16.2	X	244.30596	344.68620	358.80263	10.34737	0.0439045	0.18115052	3.0934492	21	4 17.5	20.7
344260 2001 SG_{305}	16.2	X	229.82315	50.30121	352.74108	9.38047	0.1186820	0.18491413	3.0513309	21	6 9.5	21.0
344261 2001 SK_{311}	15.7	X	318.49264	102.09158	250.49482	7.50828	0.1066370	0.19249148	2.9707199	21	7 28.8	19.5
344262 2001 SJ_{313}	15.6	X	159.25216	10.14961	33.14989	16.03941	0.2742941	0.17478020	3.1681657	21	4 13.8	21.2
344263 2001 SZ_{323}	15.9	X	262.92394	131.97898	256.99365	9.59771	0.1377992	0.18753539	3.0228312	21	6 26.6	20.2
344264 2001 SL_{329}	16.3	X	252.87627	230.21575	167.51925	10.15985	0.1158115	0.19007385	2.9958574	21	6 29.1	20.9
344265 2001 SA_{338}	17.5	X	128.95096	238.46647	195.83561	5.55036	0.1013247	0.27521005	2.3407760	21	3 27.2	20.3
344266 2001 SA_{343}	16.5	X	35.30120	121.04867	278.09716	13.77310	0.0697828	0.25813700	2.4428823	21	—	—
344267 2001 SE_{349}	16.1	X	190.41657	33.46990	22.04370	28.02861	0.1590634	0.18013628	3.1050500	21	5 8.5	21.5
344268 2001 SU_{349}	15.9	X	240.96665	44.75256	351.81350	26.29736	0.1882179	0.18531301	3.0469508	21	6 2.2	21.3
344269 2001 SJ_{354}	16.1	X	253.47556	15.02046	21.69915	14.20918	0.2000333	0.18863674	3.0110539	21	6 17.7	21.0
344270 2001 SZ_{354}	17.3	X	183.78549	332.24412	43.34094	7.82572	0.1466011	0.27555376	2.3388291	21	3 19.5	20.9
344271 2001 TE_{19}	16.1	X	203.84872	130.43883	272.72715	15.87935	0.2251043	0.18010348	3.1054270	21	5 11.3	21.6
344272 2001 TR_{45}	17.3	X	122.69939	174.64378	230.19028	5.81508	0.1120948	0.26767776	2.3844846	21	2 7.9	20.3
344273 2001 TD_{48}	16.3	X	193.62769	236.40331	204.45833	5.28353	0.1168649	0.18108362	3.0942111	21	6 21.1	21.2
344274 2001 TQ_{50}	16.0	X	264.44516	294.25432	43.92839	12.51279	0.3203493	0.18472434	3.0534206	21	4 10.9	21.2
344275 2001 TF_{62}	17.6	X	184.53627	196.72518	166.21013	2.18295	0.1971799	0.27323432	2.3520464	21	3 3.3	21.4
344276 2001 TD_{146}	17.5	X	179.25102	314.23100	56.73978	9.31530	0.1805498	0.27389477	2.3482638	21	3 12.8	21.3
344277 2001 TX_{151}	17.3	X	134.56750	319.74542	84.50714	5.49835	0.2316822	0.27009764	2.3702211	21	3 14.9	20.8
344278 2001 TM_{153}	15.7	X	257.96293	319.77328	50.75235	9.91717	0.1577410	0.18492248	3.0512391	21	5 25.9	20.4
344279 2001 TO_{167}	17.0	X	110.76029	347.42138	3.78552	10.50108	0.2988962	0.26162816	2.4211018	21	—	—
344280 2001 TV_{174}	15.8	X	304.55511	216.98463	127.62188	2.93918	0.1738019	0.18956252	3.0012423	21	6 18.7	19.5
344281 2001 TY_{175}	16.1	X	218.68807	94.48700	347.38544	5.34507	0.1896180	0.18642334	3.0348404	21	7 13.7	21.2
344282 2001 TV_{176}	17.9	X	194.90031	351.51405	329.78514	2.05685	0.2514412	0.27206723	2.3587680	21	1 23.3	21.9
344283 2001 TZ_{179}	15.9	X	203.64469	169.64735	247.59385	6.25123	0.1513117	0.18137551	3.0908905	21	5 31.9	20.9
344284 2001 TL_{192}	17.7	X	156.04260	105.63873	278.50423	2.23808	0.2394113	0.27053116	2.3676882	21	3 6.7	21.5
344285 2001 TM_{199}	17.1	X	136.95998	40.78632	48.69899	8.19314	0.2072975	0.27660791	2.3328832	21	5 9.0	20.5
344286 2001 TG_{215}	16.3	X	209.54323	115.41811	236.63257	15.11291	0.3165940	0.17737356	3.1372090	21	3 13.0	22.3
344287 2001 TD_{226}	15.7	X	242.05073	325.92382	44.66845	17.11827	0.2366606	0.18433903	3.0576740	21	5 4.6	20.9
344288 2001 TZ_{251}	15.5	X	152.14221	334.62805	34.69290	11.64948	0.0954491	0.17067350	3.2187851	21	2 19.5	20.5
344289 2001 TX_{254}	15.9	X	321.09683	277.70615	54.41778	11.22732	0.0796381	0.18883832	3.0089107	21	7 11.6	19.9
344290 2001 TV_{256}	17.1	X	185.12892	255.16776	120.91821	6.88052	0.1339849	0.27408709	2.3471652	21	3 20.4	20.6
344291 2001 UQ_{4}	17.8	X	163.15513	296.11471	85.82468	3.50783	0.2333869	0.27218903	2.3580643	21	3 12.5	21.6
344292 2001 UK_{12}	17.0	X	223.89141	12.90528	311.30128	1.64227	0.2245155	0.27475525	2.3433584	21	2 16.6	20.8
344293 2001 US_{23}	16.7	X	182.77985	105.36856	284.32676	6.53158	0.1280600	0.27620100	2.3351739	21	3 28.5	20.2
344294 2001 UQ_{37}	15.9	X	253.55140	34.10193	344.90395	11.64319	0.1660512	0.18589868	3.0405479	21	5 29.2	20.8
344295 2001 UE_{54}	17.2	X	148.57859	220.03498	205.21512	6.50820	0.0958279	0.27516706	2.3410198	21	4 7.6	20.2
344296 2001 UH_{58}	18.0	X	170.56854	82.96315	274.36189	1.07111	0.2347616	0.27118451	2.3638838	21	2 14.6	21.9
344297 2001 UV_{61}	15.5	X	284.84687	279.06089	22.59425	9.70087	0.0820951	0.17942556	3.1132441	21	4 12.1	19.9
344298 2001 UX_{65}	15.4	X	174.36794	207.15064	238.61504	15.86101	0.1841558	0.17702189	3.1413626	21	6 9.3	20.7
344299 2001 UB_{77}	16.1	X	229.36946	277.61612	117.14779	3.19949	0.1678352	0.18170084	3.0871999	21	5 27.9	21.0
344300 2001 US_{86}	18.1	X	76.26007	73.33648	12.13077	2.22711	0.1461469	0.26591520	2.3950097	21	2 1.9	20.4
344301 2001 UM_{87}	18.3	X	182.54396	16.08343	342.65225	4.12159	0.2010185	0.27330936	2.3516159	21	2 24.9	22.2
344302 2001 UA_{103}	18.0	X	163.31933	305.59362	80.38347	2.26901	0.1866297	0.27263543	2.3554896	21	3 13.5	21.6
344303 2001 UN_{111}	16.2	X	229.65093	193.25673	210.31894	15.05977	0.1094152	0.18339043	3.0682089	21	6 11.7	21.1
344304 2001 UR_{114}	16.0	X	226.96142	194.86889	212.36398	5.34108	0.1447847	0.18254951	3.0776243	21	6 11.1	20.9
344305 2001 UZ_{129}	16.0	X	311.65944	104.36324	199.65981	15.98000	0.1504388	0.18486073	3.0519186	21	5 11.5	20.0
344306 2001 UR_{130}	17.7	X	133.73876	215.43463	205.43200	2.81664	0.1685743	0.27150847	2.3620031	21	3 24.3	21.0
344307 2001 UU_{130}	16.6	X	213.55072	279.94284	115.00902	2.37820	0.2123850	0.17999905	3.1066280	21	5 12.3	21.9
344308 2001 UO_{135}	15.6	X	222.75987	356.24019	60.33774	11.35571	0.1154655	0.18230249	3.0804038	21	6 19.8	20.4
344309 2001 UX_{144}	17.6	X	170.65878	320.43813	64.11414	3.05314	0.1767152	0.27246701	2.3564601	21	3 18.3	21.1
344310 2001 UL_{146}	18.1	X	171.78711	164.92592	201.36212	0.75912	0.2051776	0.27070993	2.3666458	21	2 24.8	21.9
344311 2001 UZ_{159}	17.0	X	135.94219	271.21960	64.07680	12.32967	0.2721760	0.26262521	2.4149702	21	—	—
344312 2001 UR_{170}	17.7	X	155.14979	109.04313	249.59018	1.97674	0.2601757	0.26845490	2.3798805	21	2 4.9	21.5
344313 2001 UJ_{177}	15.7	X	219.77505	162.28860	221.57532	9.98863	0.1346471	0.17981010	3.1088039	21	5 7.4	20.5
344314 2001 UO_{194}	16.3	X	208.22977	135.18527	180.03024	2.72568	0.1610556	0.17173031	3.2055662	21	2 5.4	21.5
344315 2001 UL_{199}	15.9	X	344.61637	62.65165	219.81699	6.78667	0.0299522	0.18456572	3.0551698	21	6 12.9	20.1
344316 2001 UD_{201}	16.3	X	258.45301	16.94123	356.99755	6.31141	0.1599930	0.18502091	3.0501569	21	5 29.9	21.0
344317 2001 UK_{202}	15.9	X	272.68406	127.89990	215.80658	8.87289	0.1162106	0.18326949	3.0695586	21	5 15.7	20.4
344318 2001 US_{205}	15.8	X	225.69652	37.38221	28.02996	9.36862	0.1352102	0.18379075	3.0637521	21	7 3.6	20.7
344319 2001 UY_{206}	17.0	X	109.72749	291.42985	170.18355	10.98514	0.1918495	0.27278836	2.3546091	21	4 26.1	20.2
344320 2001 UC_{215}	16.3	X	193.86399	277.43121	148.45468	2.30952	0.1651982	0.17919365	3.1159296	21	6 2.7	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344321 2001 UF_{221}	17.4	X	128.78326	141.98660	216.99796	4.64480	0.1364076	0.26340534	2.4101995	21	—	—
344322 2001 US_{222}	15.9	X	313.98703	276.15098	41.67168	5.02013	0.1540466	0.18477236	3.0528916	21	5 30.7	19.7
344323 2001 UT_{224}	16.5	X	199.45582	22.77002	313.89665	9.60612	0.1323644	0.26945929	2.3739629	21	2 9.7	20.0
344324 2001 UE_{225}	15.4	X	215.18234	35.29405	30.27398	15.31439	0.2263670	0.17826226	3.1267737	21	6 16.2	20.9
344325 2001 VU_{8}	15.4	X	208.87568	181.31058	246.60784	15.66359	0.1107626	0.18021105	3.1041910	21	6 19.8	20.3
344326 2001 VX_{13}	17.2	X	159.65840	22.90045	8.05234	5.56889	0.2321739	0.27113670	2.3641617	21	3 19.3	20.8
344327 2001 VR_{38}	16.9	X	136.05502	359.23091	53.19748	7.35432	0.1047478	0.26935588	2.3745705	21	3 12.5	20.1
344328 2001 VZ_{39}	16.9	X	119.10577	219.34690	243.05972	9.88798	0.1745775	0.27160133	2.3614647	21	5 2.3	20.2
344329 2001 VZ_{41}	15.3	X	188.55491	171.90637	245.17983	22.70925	0.1685065	0.17609959	3.1523213	21	5 18.1	20.5
344330 2001 VW_{72}	16.7	X	211.50066	190.14170	222.49219	3.02101	0.2134486	0.18177892	3.0863158	21	5 31.2	21.9
344331 2001 VY_{72}	18.2	X	165.28506	120.89415	257.12369	0.48416	0.1889533	0.27208096	2.3586886	21	3 4.1	21.8
344332 2001 VL_{75}	15.8	X	128.00536	268.03499	252.43367	19.54294	0.3176774	0.28168946	2.3047420	21	8 1.7	20.2
344333 2001 VE_{89}	17.4	X	172.41121	76.98388	309.61827	6.34680	0.1334250	0.27311058	2.3527568	21	3 15.3	21.0
344334 2001 VW_{92}	15.4	X	240.74082	288.84380	96.28815	17.91519	0.2300966	0.18135844	3.0910844	21	5 25.3	20.7
344335 2001 VC_{96}	15.8	X	192.49197	254.35297	115.12854	14.40990	0.3091576	0.17423681	3.1747493	21	4 2.6	21.8
344336 2001 VP_{98}	15.1	X	198.35895	42.57636	119.02408	24.59410	0.3869959	0.18325078	3.0697676	21	9 28.5	21.2
344337 2001 VB_{104}	17.4	X	155.88313	8.39801	21.78033	2.77719	0.2149233	0.27053136	2.3676871	21	3 13.9	21.1
344338 2001 VG_{114}	15.4	X	232.67310	124.56052	256.84554	15.40388	0.2229881	0.17948738	3.1125293	21	5 9.3	20.7
344339 2001 VH_{127}	16.0	X	246.54887	286.06999	62.70043	11.53654	0.1305477	0.18077417	3.0977413	21	4 24.4	20.9
344340 2001 VG_{132}	13.7	X	40.26713	97.48850	136.37257	11.05550	0.0115785	0.08227364	5.2355492	21	6 26.2	20.6
344341 2001 WR_{8}	15.8	X	266.13786	281.14416	66.12274	25.61211	0.2924573	0.18237622	3.0795735	21	4 30.9	21.0
344342 2001 WZ_{15}	15.5	X	208.07763	81.20643	279.08922	21.83245	0.3018147	0.27498844	2.3420334	21	3 7.9	20.3
344343 2001 WY_{25}	17.9	X	163.22692	275.33448	122.34939	2.16304	0.1892377	0.27288820	2.3540348	21	3 28.2	21.4
344344 2001 WB_{26}	16.9	X	328.29933	117.76727	54.50568	8.64525	0.1822174	0.26109343	2.4244064	21	—	—
344345 2001 WL_{32}	17.2	X	189.21261	242.87731	104.08500	3.35180	0.2184013	0.27082220	2.3659916	21	2 18.0	21.0
344346 2001 WX_{33}	17.0	X	152.77341	319.73047	79.37137	7.09581	0.1140698	0.27038253	2.3685559	21	3 15.7	20.4
344347 2001 WZ_{34}	17.7	X	83.24011	315.89307	106.17280	3.42505	0.1580149	0.26294740	2.4129971	21	1 13.2	20.0
344348 2001 WS_{48}	15.2	X	166.40521	341.55468	83.97773	17.37640	0.1411281	0.17565571	3.1576297	21	5 12.8	20.4
344349 2001 WX_{54}	15.4	X	126.28020	256.04625	230.10369	25.69216	0.1694124	0.17625428	3.1504767	21	6 12.3	20.6
344350 2001 WQ_{56}	17.4	X	138.97336	114.23829	255.37883	2.04434	0.1919262	0.26630777	2.3926554	21	1 26.5	20.5
344351 2001 WV_{62}	15.9	X	143.48250	225.49371	249.70404	4.30353	0.1107473	0.17698225	3.1418316	21	6 13.4	20.8
344352 2001 WS_{68}	15.6	X	86.69093	81.41800	49.91856	12.14796	0.0471009	0.17365224	3.1818702	21	4 22.6	20.0
344353 2001 WN_{74}	16.4	X	268.66510	289.48814	60.62140	5.20454	0.1875962	0.18280214	3.0747882	21	5 9.9	21.0
344354 2001 WP_{75}	18.0	X	150.73355	207.79823	183.06625	0.98709	0.1802776	0.26989710	2.3713950	21	3 5.7	21.5
344355 2001 WK_{81}	17.4	X	167.68195	212.41504	164.99175	1.58559	0.1965208	0.27029476	2.3690686	21	3 6.6	21.2
344356 2001 WV_{84}	16.6	X	162.33271	5.51049	96.35554	2.51342	0.1681456	0.17711153	3.1403025	21	6 18.2	21.7
344357 2001 WP_{90}	15.9	X	211.05352	68.48852	6.21194	7.13211	0.1526978	0.18130877	3.0916489	21	6 29.5	20.9
344358 2001 XD_{20}	15.7	X	177.16234	163.03213	305.12424	9.65425	0.1772974	0.17680002	3.1439901	21	7 9.7	20.9
344359 2001 XH_{32}	16.0	X	261.35823	143.23549	244.64864	8.09042	0.1315688	0.18385531	3.0630348	21	6 24.3	20.6
344360 2001 XX_{32}	18.1	X	160.29392	295.31511	95.06849	2.17055	0.1853899	0.27105099	2.3646601	21	3 16.2	21.7
344361 2001 XC_{36}	15.5	X	240.27817	91.88367	278.91154	14.62686	0.2531066	0.18027145	3.1034976	21	4 28.3	21.0
344362 2001 XQ_{76}	17.4	X	150.43930	106.82985	279.32551	5.33773	0.2720748	0.26865442	2.3787021	21	3 5.6	21.4
344363 2001 XZ_{94}	15.1	X	200.27715	7.89397	67.53154	29.28982	0.1365449	0.17962459	3.1109440	21	6 16.9	20.2
344364 2001 XX_{96}	14.6	X	235.72099	116.08724	265.36125	15.45713	0.2507364	0.18000223	3.1065913	21	5 9.6	20.0
344365 2001 XL_{110}	17.0	X	136.18635	335.12881	93.04231	7.01120	0.1670423	0.27111009	2.3643164	21	4 9.9	20.4
344366 2001 XE_{120}	17.2	X	176.47917	304.67370	69.15554	7.68467	0.1315868	0.27263872	2.3554706	21	3 10.1	20.8
344367 2001 XZ_{123}	16.5	X	210.15886	301.54702	119.49764	1.93216	0.1735909	0.17999188	3.1067104	21	6 10.7	21.6
344368 2001 XF_{125}	16.2	X	211.63342	324.49832	94.60516	2.22314	0.1789693	0.18029081	3.1032754	21	6 9.4	21.3
344369 2001 XN_{129}	17.6	X	160.85699	138.15343	241.74200	4.13475	0.2031251	0.26941181	2.3742419	21	3 1.9	21.3
344370 2001 XT_{137}	17.5	X	167.02133	166.90091	191.90623	2.12731	0.2145373	0.26745742	2.3857940	21	2 12.0	21.3
344371 2001 XP_{143}	18.0	X	166.49948	220.09601	154.02045	2.50717	0.2150270	0.27004611	2.3705226	21	3 2.9	21.7
344372 2001 XZ_{143}	17.0	X	136.90301	340.36349	87.02230	7.96130	0.0922076	0.26987044	2.3715512	21	4 1.4	20.2
344373 2001 XU_{149}	15.4	X	355.40853	6.29191	259.28908	8.34021	0.0254340	0.17601788	3.1532968	21	6 6.2	19.5
344374 2001 XO_{154}	15.5	X	203.57872	326.72246	85.69266	10.54861	0.0863352	0.17570532	3.1570354	21	5 29.2	20.3
344375 2001 XQ_{169}	17.3	X	128.54229	287.71377	138.50569	2.88763	0.1713920	0.26784674	2.3834816	21	3 27.9	20.4
344376 2001 XJ_{201}	15.6	X	161.78456	235.53304	219.45871	15.39882	0.1043589	0.18064360	3.0992338	21	6 6.6	20.5
344377 2001 XD_{203}	17.0	X	153.12702	272.90176	118.93819	6.12097	0.1545422	0.26988700	2.3714542	21	3 9.2	20.4
344378 2001 XK_{203}	17.4	X	143.39397	300.73686	117.44000	5.53888	0.2153761	0.27125007	2.3635029	21	4 8.5	21.0
344379 2001 XD_{212}	17.1	X	155.04754	230.36013	152.77688	3.75292	0.2016734	0.26810757	2.3819355	21	3 2.9	20.7
344380 2001 XO_{214}	14.9	X	231.87964	150.12672	267.01962	26.98444	0.1610072	0.17918668	3.1160104	21	6 25.6	19.8
344381 2001 XQ_{216}	15.5	X	222.01353	308.00153	83.02507	22.41165	0.2670217	0.17814157	3.1281858	21	5 17.1	21.1
344382 2001 XX_{217}	15.8	X	231.80483	153.66574	235.79296	16.51175	0.2178797	0.18275798	3.0752834	21	5 19.8	20.9
344383 2001 XH_{224}	15.8	X	237.83794	105.13599	252.12101	11.85984	0.1299611	0.17679373	3.1440647	21	4 20.3	20.8
344384 2001 XT_{231}	15.7	X	156.18902	47.83351	66.49622	12.32140	0.0846298	0.17740498	3.1368387	21	6 23.4	20.6
344385 2001 XW_{232}	15.4	X	191.11750	21.11636	62.70731	12.39579	0.1477017	0.17829073	3.1264408	21	6 21.2	20.5
344386 2001 XM_{233}	15.1	X	268.79377	80.82102	258.41364	21.22615	0.1080781	0.17727785	3.1383381	21	5 4.1	20.0
344387 2001 XN_{248}	18.0	X	119.28398	128.23371	282.24213	0.71514	0.1677808	0.26357814	2.4091460	21	2 22.5	21.1
344388 2001 XF_{258}	15.8	X	212.39603	335.28540	82.22064	18.75695	0.1824410	0.17990709	3.1076864	21	6 8.4	20.9
344389 2001 XQ_{260}	16.5	X	181.90393	11.98577	86.37006	6.51081	0.2344212	0.17949834	3.1124025	21	7 1.0	21.9
344390 2001 XG_{267}	15.6	X	117.71910	86.72903	81.24819	17.76722	0.2128489	0.17203309	3.2018039	21	8 3.1	21.0
344391 2001 YQ_{37}	15.5	X	167.93628	34.95896	78.93646	17.94126	0.0930597	0.17834210	3.1258404	21	7 5.8	20.4
344392 2001 YG_{44}	15.1	X	210.84565	102.68061	268.67921	24.56565	0.1067085	0.17237638	3.1975515	21	4 6.2	20.6
344393 2001 YV_{77}	16.8	X	137.73355	300.28050	94.40895	7.44970	0.2440184	0.26555906	2.3971505	21	3 8.4	20.5
344394 2001 YM_{80}	15.3	X	170.04195	225.11823	282.29901	11.76300	0.2063017	0.17759087	3.1346493	21	8 15.1	20.7
344395 2001 YT_{87}	17.3	X	14.85742	106.44581	335.60096	2.76154	0.1651932	0.25258008	2.4785821	21	—	—
344396 2001 YS_{124}	15.3	X	242.64831	336.52030	28.17395	5.88868	0.3514175	0.18003242	3.1062440	21	4 20.9	20.9
344397 2001 YM_{129}	17.0	X	121.58225	29.88696	33.20637	6.22544	0.0994785	0.26735935	2.3863774	21	3 6.7	20.1
344398 2001 YU_{144}	15.2	X	165.41270	343.83655	96.37743	26.76046	0.1336403	0.17152112	3.2081720	21	5 30.8	20.5
344399 2002 AH_{4}	16.1	X	150.46150	96.10819	44.26044	24.47069	0.3894835	0.17357202	3.1828505	21	8 9.5	22.5
344400 2002 AA_{7}	16.0	X	180.17110	353.35780	261.36043	12.73567	0.1294268	0.24443792	2.5333216	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344401 2002 AJ_{22}	16.2	X	252.28886	148.79746	310.86785	12.03834	0.1280683	0.23329408	2.6133660	21	9 12.4	20.1
344402 2002 AS_{25}	16.5	X	108.08869	157.35030	265.01292	6.01309	0.1060309	0.26102397	2.4248365	21	2 11.8	19.6
344403 2002 AN_{33}	17.2	X	113.61155	314.40428	88.59951	4.97839	0.1554407	0.26026302	2.4295606	21	2 5.4	20.1
344404 2002 AG_{44}	15.9	X	191.63119	307.42423	120.86236	9.47174	0.1749765	0.17448442	3.1717451	21	6 4.8	21.3
344405 2002 AQ_{88}	14.8	X	81.85451	269.97031	276.53360	21.58983	0.1242569	0.17153221	3.2080338	21	7 3.9	19.3
344406 2002 AS_{107}	17.2	X	326.93515	88.56254	101.76925	2.31432	0.1305692	0.25615863	2.4554441	21	—	—
344407 2002 AN_{127}	17.1	X	146.59348	328.58600	115.68724	3.10643	0.1804338	0.27049233	2.3679149	21	5 10.8	20.6
344408 2002 AU_{137}	16.0	X	151.53079	203.79335	257.22648	3.38518	0.1425260	0.17245384	3.1965939	21	6 6.1	20.9
344409 2002 AB_{148}	15.5	X	156.48229	97.44216	351.55612	10.65556	0.1310376	0.17157829	3.2074593	21	5 23.9	20.8
344410 2002 AD_{148}	16.0	X	323.41509	112.43783	312.64377	21.83997	0.1372869	0.24315632	2.5422154	21	11 19.5	19.2
344411 2002 AP_{163}	17.0	X	77.53387	142.79547	307.84448	4.28971	0.1246565	0.25939618	2.4349703	21	2 9.1	19.5
344412 2002 AP_{171}	16.8	X	233.52640	108.83896	91.73834	3.45187	0.1240972	0.24476990	2.5310305	21	—	—
344413 2002 BC	15.6	X	198.56350	335.70263	86.97559	18.26337	0.2047470	0.17369662	3.1813282	21	6 3.5	21.1
344414 2002 BF_{14}	17.5	X	51.62736	345.79979	163.10327	3.65743	0.1808866	0.26176895	2.4202336	21	3 26.6	19.6
344415 2002 BO_{28}	15.2	X	203.65798	332.35501	76.44939	18.47718	0.2358323	0.17447457	3.1718645	21	5 22.2	20.7
344416 2002 BV_{30}	16.8	X	62.27786	55.46056	70.60749	24.21490	0.2020277	0.26037240	2.4288802	21	4 3.5	19.8
344417 2002 CK_{17}	17.2	X	6.41234	84.84324	81.91128	3.18304	0.1488110	0.25878914	2.4387766	21	1 18.4	19.5
344418 2002 CY_{35}	16.4	X	187.31781	308.73345	129.98027	8.01700	0.2981348	0.17444102	3.1722711	21	6 12.3	22.2
344419 2002 CU_{37}	15.4	X	77.45400	242.89533	328.90530	12.26009	0.1125165	0.17068800	3.2186028	21	7 31.7	19.9
344420 2002 CG_{68}	16.3	X	144.56280	103.67103	2.74794	14.04429	0.2700586	0.16970879	3.2309718	21	6 12.3	22.1
344421 2002 CL_{182}	17.4	X	301.03586	59.22108	141.19856	1.14818	0.1393356	0.25258686	2.4785378	21	—	—
344422 2002 CK_{201}	17.0	X	302.19926	84.64180	122.75983	3.01225	0.0285831	0.25416089	2.4682941	21	—	—
344423 2002 CK_{207}	17.0	X	129.95846	290.58245	127.08584	3.48292	0.1715275	0.26245600	2.4160081	21	3 19.3	20.2
344424 2002 CO_{233}	16.5	X	301.52150	120.59834	305.98493	14.45613	0.0401854	0.23713970	2.5850356	21	10 17.7	20.2
344425 2002 CC_{234}	16.2	X	186.02403	99.56449	331.78663	24.90644	0.3752914	0.17482593	3.1676133	21	5 29.2	22.6
344426 2002 CF_{258}	15.1	X	166.82401	308.28980	136.73605	22.69788	0.1946430	0.17213367	3.2005566	21	6 7.5	20.8
344427 2002 CS_{275}	18.0	X	88.74358	312.41437	137.56644	1.74017	0.1567428	0.26149221	2.4219409	21	3 4.1	20.6
344428 2002 DD	17.6	X	114.39143	46.80432	33.35098	1.65269	0.1597076	0.26321115	2.4113849	21	3 27.6	20.5
344429 2002 EP_{43}	16.9	X	224.84220	208.84176	344.42989	4.91615	0.2421987	0.23757839	2.5818525	21	11 29.5	20.9
344430 2002 ES_{100}	16.3	X	208.63539	163.99619	0.78271	15.08788	0.1055948	0.23408580	2.6074701	21	10 19.1	20.3
344431 2002 EA_{114}	16.5	X	139.18907	209.79102	130.18270	2.54216	0.1450360	0.24708866	2.5151710	21	—	—
344432 2002 EZ_{115}	17.0	X	37.95020	99.95381	39.21906	10.44176	0.2187079	0.25676240	2.4515934	21	2 15.1	19.0
344433 2002 EL_{157}	17.3	X	213.28018	239.02641	334.70672	8.36718	0.1610406	0.23912543	2.5707048	21	12 23.7	21.1
344434 2002 FJ_{37}	16.1	X	303.65341	89.61760	26.95905	15.37645	0.0587429	0.24350689	2.5397748	21	—	—
344435 2002 FD_{38}	12.8	X	110.99048	259.28662	11.61332	18.58124	0.0249333	0.08071810	5.3025987	21	10 23.1	19.9
344436 2002 GE_{12}	16.5	X	229.84377	179.55074	33.85600	13.80932	0.2662307	0.23838810	2.5760028	21	12 27.2	20.5
344437 2002 GF_{87}	16.2	X	193.17760	211.90490	56.95341	11.06322	0.0862843	0.24037020	2.5618221	21	—	—
344438 2002 GR_{114}	17.1	X	247.94927	136.80235	70.43791	5.31977	0.1457714	0.24143448	2.5542879	21	—	—
344439 2002 GY_{116}	16.8	X	231.62137	148.09380	85.42180	6.20724	0.1147410	0.24132044	2.5550926	21	—	—
344440 2002 GU_{126}	17.0	X	174.05981	231.14057	32.34879	4.73563	0.1157046	0.23582104	2.5946633	21	—	—
344441 2002 GN_{170}	16.7	X	167.73286	247.24070	2.90886	7.92971	0.1242379	0.23445085	2.6047628	21	12 24.5	20.8
344442 2002 GX_{181}	15.9	X	70.32395	195.82179	203.72472	13.50519	0.1142114	0.24280539	2.5446643	21	—	—
344443 2002 GL_{189}	16.5	X	69.64675	299.40354	72.48486	4.76517	0.0850062	0.23777015	2.5804642	21	—	—
344444 2002 HM_{3}	16.4	X	200.14910	157.62314	59.92708	14.72802	0.2048767	0.23461320	2.6035610	21	12 8.7	20.6
344445 2002 HQ_{7}	16.7	X	138.64735	37.23567	203.43444	14.28568	0.2230798	0.22747657	2.6577345	21	11 17.2	21.4
344446 2002 JO_{54}	16.1	X	33.75726	168.71888	44.11745	7.36629	0.2013110	0.20932987	2.8091952	21	6 3.3	19.0
344447 2002 JU_{78}	17.1	X	208.97876	359.20925	229.54890	3.20649	0.1747482	0.23709438	2.5853650	21	—	—
344448 2002 JO_{95}	16.4	X	200.57172	334.01056	244.17502	13.44608	0.2237515	0.23287701	2.6164853	21	12 9.1	20.7
344449 2002 JB_{106}	16.7	X	153.74607	187.39925	65.23178	6.10746	0.2286198	0.22896035	2.6462398	21	12 11.2	21.4
344450 2002 JJ_{120}	16.2	X	180.18824	111.51991	113.28756	13.83388	0.1040410	0.23249205	2.6193728	21	12 8.9	20.3
344451 2002 JM_{123}	16.4	X	146.53997	193.87038	77.49147	13.66995	0.1678031	0.23204385	2.6227447	21	12 28.3	20.7
344452 2002 KF_{13}	16.9	X	114.15829	42.04141	210.48586	4.19698	0.2193638	0.22376135	2.6870722	21	11 10.6	21.4
344453 2002 LE_{29}	15.3	X	2.01488	67.71823	268.10978	18.90250	0.2717535	0.21079365	2.7961751	21	9 25.8	18.3
344454 2002 LL_{42}	16.5	X	139.62082	31.75765	233.34377	13.35853	0.2176811	0.22753947	2.6572447	21	12 14.7	21.1
344455 2002 LE_{47}	16.1	X	204.25320	91.15578	137.45232	11.79553	0.1401708	0.23283079	2.6168316	21	—	—
344456 2002 LZ_{51}	16.7	X	182.95908	138.84619	111.17707	6.83623	0.2071963	0.23289654	2.6163391	21	—	—
344457 2002 MX_{3}	15.9	X	65.26941	72.61137	229.25251	8.14109	0.3082472	0.21805505	2.7337489	21	12 4.2	20.2
344458 2002 MT_{6}	16.8	X	65.88909	27.42620	243.51727	2.64647	0.1458353	0.21442652	2.7645029	21	10 5.9	20.5
344459 2002 MW_{6}	17.6	X	263.89732	348.82712	272.07287	4.70646	0.2222111	0.29440924	2.2378712	21	—	—
344460 2002 NH_{20}	17.9	X	23.65335	45.68648	234.08036	6.11920	0.1978398	0.31288887	2.1488659	21	8 30.2	19.6
344461 2002 NK_{56}	16.2	X	77.64026	341.40357	287.84498	7.80611	0.1113014	0.21517441	2.7580934	21	10 10.2	20.3
344462 2002 ND_{63}	16.9	X	87.59402	313.32210	331.66664	3.61710	0.0832244	0.21911399	2.7249339	21	11 10.3	20.9
344463 2002 NX_{65}	17.1	X	7.46358	65.18530	256.55771	5.88528	0.2498163	0.21111889	2.7933026	21	9 22.9	19.8
344464 2002 NK_{76}	16.7	X	57.06963	79.38790	230.68936	5.35876	0.0275189	0.21616655	2.7496478	21	10 28.3	20.4
344465 2002 NB_{79}	16.9	X	67.84669	209.29752	90.40702	10.50099	0.1019876	0.21827362	2.7319236	21	11 12.4	20.8
344466 2002 OF_{7}	17.0	X	17.72988	106.12687	224.60638	7.04243	0.2547018	0.21179896	2.7873200	21	10 31.9	20.0
344467 2002 OK_{7}	16.0	X	323.72841	139.09297	250.51296	8.31132	0.2263004	0.20902199	2.8119530	21	9 15.6	18.8
344468 2002 OT_{36}	16.3	X	77.50555	195.43173	78.25026	7.90459	0.0802926	0.21435991	2.7650756	21	10 19.1	20.2
344469 2002 OA_{37}	16.8	X	272.52676	350.31317	328.72884	0.63249	0.1195224	0.19658796	2.9293062	21	4 12.1	21.1
344470 2002 PQ_{4}	16.3	X	56.29166	60.38240	206.81376	7.58856	0.1487020	0.21122816	2.7923392	21	9 17.8	20.0
344471 2002 PN_{59}	16.3	X	163.32877	45.35822	338.90433	26.52647	0.2225721	0.28905499	2.2654218	21	3 7.2	19.8
344472 2002 PR_{93}	15.9	X	248.53594	331.71624	356.91919	14.29825	0.2055433	0.19291888	2.9663307	21	3 22.1	20.8
344473 2002 PM_{109}	16.1	X	331.39244	52.13563	285.96349	14.16113	0.1623123	0.20575514	2.8416391	21	7 25.9	19.1
344474 2002 PN_{113}	15.0	X	318.18219	128.79229	254.58795	13.93765	0.4296474	0.20360789	2.8615827	21	7 17.8	17.9
344475 2002 PG_{118}	17.7	X	257.52681	132.38447	239.91141	4.95411	0.1733804	0.30298231	2.1954550	21	5 21.3	20.7
344476 2002 PX_{143}	17.1	X	282.03120	169.82791	284.62427	2.00955	0.0576234	0.21773635	2.7364158	21	10 29.2	20.7
344477 2002 PB_{160}	16.1	X	67.20598	139.10077	124.69830	13.40217	0.0926439	0.21162589	2.7888395	21	9 26.5	20.1
344478 2002 PY_{165}	16.6	X	57.47069	170.45027	135.76649	4.02198	0.0792114	0.21441075	2.7646385	21	11 2.4	20.3
344479 2002 PR_{168}	16.6	X	329.35080	233.18563	136.92540	4.65388	0.1120383	0.20912222	2.8110545	21	9 14.2	19.7
344480 2002 PE_{170}	16.8	X	284.11696	37.15338	357.41758	1.46434	0.0788936	0.20620112	2.8375403	21	8 10.6	20.5

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344481 2002 PH_{177}	16.4	X	351.19776	331.43763	22.82627	4.62756	0.0852235	0.21237995	2.7822344	21	9 29.5	19.7
344482 2002 PN_{184}	16.5	X	321.36986	215.85611	150.41201	7.07040	0.0680430	0.20840707	2.8174815	21	8 28.8	19.9
344483 2002 PM_{197}	18.5	X	297.65355	86.89697	247.60881	2.01359	0.1913570	0.30604094	2.1808027	21	5 15.5	21.0
344484 2002 PP_{197}	16.6	X	327.64520	228.71379	190.14310	4.04570	0.0953472	0.21819612	2.7325704	21	11 18.9	19.8
344485 2002 PW_{197}	16.6	X	351.62537	76.21453	277.49970	5.74764	0.0556708	0.21298275	2.7769822	21	9 24.3	20.1
344486 2002 QU_{16}	16.6	X	39.76628	85.55474	213.84197	7.02228	0.1946766	0.21127646	2.7919136	21	10 15.4	20.0
344487 2002 QR_{48}	18.2	X	258.26623	240.65057	110.74516	3.10071	0.2140475	0.30145105	2.2028834	21	4 21.1	21.4
344488 2002 QO_{68}	16.9	X	134.43873	250.78350	352.66057	4.44137	0.0110485	0.21575476	2.7531452	21	11 6.5	20.7
344489 2002 QP_{71}	18.0	X	186.60854	91.86218	344.17919	1.48593	0.0957386	0.30219825	2.1992508	21	6 4.4	21.1
344490 2002 QZ_{76}	17.8	X	245.94435	231.56863	161.62382	5.50885	0.1463297	0.30396063	2.1907416	21	6 10.1	20.8
344491 2002 QU_{79}	16.6	X	144.10913	244.39074	5.79866	4.90897	0.1163727	0.22029587	2.7151791	21	11 28.9	20.9
344492 2002 QU_{84}	16.6	X	358.97559	265.66964	76.73968	5.75829	0.0839884	0.20944461	2.8081691	21	9 27.9	20.0
344493 2002 QJ_{85}	17.0	X	28.43107	38.40961	266.45387	2.50402	0.1617021	0.21073715	2.7966749	21	9 29.0	20.3
344494 2002 QQ_{94}	18.4	X	209.63194	141.00181	195.94566	5.48644	0.2089780	0.29212092	2.2495429	21	2 17.3	22.1
344495 2002 QF_{102}	15.9	X	39.56461	8.58461	342.64126	10.73137	0.2058917	0.21722395	2.7407173	21	12 24.3	19.8
344496 2002 QW_{105}	16.4	X	332.87815	330.04866	55.90882	3.80416	0.1567181	0.21027925	2.8007334	21	10 11.5	19.3
344497 2002 QL_{113}	16.7	X	356.07010	90.59158	258.81803	7.49611	0.1867926	0.21001548	2.8030780	21	10 1.5	19.7
344498 2002 QX_{114}	17.0	X	346.26167	152.34783	212.24379	3.81803	0.0867609	0.21086540	2.7955407	21	10 3.8	20.2
344499 2002 QF_{115}	16.5	X	280.28682	131.14328	333.00007	12.15232	0.1204303	0.21660977	2.7458956	21	10 25.4	20.2
344500 2002 QH_{121}	18.7	X	282.43454	171.34931	190.88847	3.41062	0.2015244	0.30518429	2.1848817	21	6 3.2	21.4
344501 2002 QN_{132}	17.3	X	9.35494	322.57080	24.49145	3.55674	0.1044661	0.21330908	2.7741493	21	10 19.8	20.6
344502 2002 QW_{139}	16.0	X	352.44226	350.00997	343.86094	8.60320	0.0859311	0.20890273	2.8130231	21	9 2.6	19.4
344503 2002 QS_{141}	16.2	X	217.43125	60.58728	307.90271	18.46754	0.1990765	0.19169111	2.9789833	21	4 3.2	21.6
344504 2002 QG_{144}	17.5	X	13.77538	240.72366	95.95707	2.71623	0.0917043	0.21126804	2.7919878	21	10 12.6	20.9
344505 2002 QJ_{149}	16.3	X	207.61991	352.38945	271.22538	3.57189	0.0800901	0.23131405	2.6282583	21	—	—
344506 2002 QN_{152}	17.8	X	270.14456	358.22842	33.74508	4.41501	0.1631511	0.30715987	2.1755032	21	7 6.8	20.3
344507 2002 RZ_{10}	17.5	X	280.13335	45.17048	333.83199	6.05904	0.1916565	0.30637742	2.1792057	21	6 26.7	20.0
344508 2002 RQ_{78}	18.2	X	309.29173	113.35440	228.28104	1.37186	0.1989193	0.30626282	2.1797492	21	6 14.1	20.3
344509 2002 RL_{80}	16.8	X	269.03664	191.79164	168.64927	21.08648	0.2110647	0.30195225	2.2004451	21	5 17.8	20.3
344510 2002 RT_{82}	17.7	X	292.81049	178.36561	169.08664	6.23751	0.2038318	0.30390666	2.1910010	21	5 27.5	20.2
344511 2002 RG_{85}	17.7	X	305.13478	331.80020	339.96031	2.94192	0.2079986	0.30188855	2.2007546	21	4 18.9	20.1
344512 2002 RM_{128}	16.5	X	41.85225	79.94117	225.50017	12.16114	0.2117581	0.21242629	2.7818297	21	10 29.1	20.1
344513 2002 RE_{140}	16.0	X	352.95357	273.31561	56.08099	12.45076	0.1924377	0.20591017	2.8402126	21	9 6.6	19.1
344514 2002 RQ_{224}	16.4	X	289.40801	312.59024	89.76836	8.14952	0.2975349	0.20321568	2.8652635	21	7 25.2	20.1
344515 2002 RA_{242}	16.2	X	342.59564	97.85197	294.60471	4.97388	0.0523716	0.21369972	2.7707674	21	11 2.8	19.7
344516 2002 RW_{248}	16.9	X	10.88649	158.56793	165.59507	4.55557	0.1077116	0.20868819	2.8149507	21	9 21.2	20.2
344517 2002 RX_{269}	16.7	X	286.48411	298.76417	133.26841	4.34563	0.1042054	0.21058668	2.7980069	21	10 1.3	20.3
344518 2002 RU_{277}	18.2	X	264.95501	114.51144	273.31890	5.72112	0.1807880	0.30469273	2.1872310	21	6 20.4	20.9
344519 2002 RH_{293}	16.5	X	307.60209	244.93144	187.48798	14.72054	0.1077358	0.21442566	2.7645103	21	11 4.3	19.8
344520 2002 SF_{2}	18.4	X	258.42065	155.84906	168.08525	5.51827	0.2676707	0.29678160	2.2259295	21	3 11.9	22.0
344521 2002 SY_{10}	16.4	X	283.21850	228.93291	191.71643	9.79582	0.1300822	0.20381873	2.8596090	21	9 2.6	20.3
344522 2002 SB_{20}	16.3	X	297.80359	185.94469	181.05982	13.99454	0.1861844	0.20143475	2.8821271	21	7 5.3	20.2
344523 2002 SB_{41}	16.6	X	181.53554	266.89363	59.82496	7.08941	0.1431458	0.28321823	2.2964407	21	1 10.3	19.9
344524 2002 TK_{6}	16.6	X	293.42129	326.76317	74.07220	3.21072	0.2505594	0.20245230	2.8724616	21	8 5.7	20.1
344525 2002 TJ_{92}	18.0	X	195.00711	236.58248	189.71064	1.36456	0.1553056	0.29739795	2.2228530	21	5 31.5	21.3
344526 2002 TD_{110}	15.9	X	329.26052	278.71361	78.93047	10.90844	0.2676172	0.20472581	2.8511561	21	8 14.1	18.6
344527 2002 TZ_{135}	15.6	X	138.60590	101.23574	321.56606	8.42583	0.2114938	0.18182705	3.0857712	21	4 9.9	20.7
344528 2002 TK_{149}	16.8	X	332.94877	350.47931	11.14158	1.94097	0.0810971	0.20527408	2.8460770	21	9 8.8	20.2
344529 2002 TG_{159}	15.7	X	191.43243	277.42262	91.04785	11.18355	0.1641504	0.18474775	3.0531627	21	3 29.3	20.9
344530 2002 TZ_{163}	15.5	X	353.65877	263.76888	90.59931	15.80735	0.1742470	0.20559537	2.8431111	21	10 15.9	18.8
344531 2002 TE_{231}	15.5	X	357.07102	288.07988	68.77230	10.33308	0.2049388	0.20975135	2.8054306	21	10 24.5	18.3
344532 2002 TH_{237}	17.8	X	159.38737	121.41223	272.80984	6.39858	0.3111162	0.28712086	2.2755841	21	3 23.3	21.8
344533 2002 TJ_{245}	16.3	X	337.24910	289.26594	54.32848	8.81908	0.2210021	0.20350394	2.8625572	21	8 17.6	19.1
344534 2002 TJ_{313}	16.1	X	211.67213	200.46061	155.55290	10.98782	0.1760802	0.18603366	3.0390769	21	3 28.1	21.2
344535 2002 TD_{329}	17.0	X	35.62982	213.96388	61.64183	2.78623	0.0331346	0.20216337	2.8751979	21	8 16.4	20.7
344536 2002 TV_{332}	17.1	X	154.23488	46.29768	131.52027	2.92962	0.0107339	0.20416560	2.8563692	21	9 9.3	21.0
344537 2002 TZ_{374}	16.0	X	271.18299	294.41549	106.86773	11.63683	0.1313387	0.19898014	2.9057811	21	7 24.7	20.1
344538 2002 TV_{377}	17.7	X	199.01247	31.74735	20.39884	4.10566	0.1683551	0.29686698	2.2255027	21	5 15.2	21.2
344539 2002 TN_{385}	18.0	X	184.53112	52.19123	22.65769	5.44386	0.1168995	0.29542160	2.2327558	21	5 30.9	21.2
344540 2002 TS_{385}	16.9	X	271.03966	229.70534	21.60706	9.57691	0.1405924	0.28342960	2.2952989	21	1 2.7	20.5
344541 2002 UW_{51}	16.6	X	357.90097	164.73320	216.87154	13.55083	0.1576043	0.21388925	2.7691304	21	11 22.8	19.6
344542 2002 VU_{10}	17.5	X	253.56505	134.98730	238.70873	2.54537	0.2477371	0.29850827	2.2173375	21	5 11.7	20.9
344543 2002 VA_{18}	16.2	X	296.19170	173.93540	221.06889	5.94616	0.1554199	0.20073964	2.8887766	21	8 13.8	20.0
344544 2002 VP_{54}	17.0	X	294.12701	37.72828	293.28992	7.37873	0.2158859	0.30015779	2.2092065	21	4 28.6	19.8
344545 2002 VJ_{74}	16.2	X	291.55472	243.44084	151.81285	4.37345	0.1615508	0.20025949	2.8933923	21	8 8.2	19.8
344546 2002 VK_{78}	15.5	X	319.76097	277.82303	62.73632	24.81175	0.1797939	0.19734431	2.9218167	21	7 5.8	19.2
344547 2002 VM_{86}	17.9	X	243.76167	18.32445	1.62780	2.61875	0.2241936	0.29772230	2.2212382	21	5 12.1	21.4
344548 2002 VK_{95}	17.5	X	244.98117	292.08872	86.74173	6.26689	0.1755046	0.29793442	2.2201838	21	5 17.9	20.6
344549 2002 VJ_{98}	17.4	X	291.40084	294.25555	36.46785	4.88426	0.2204852	0.29863429	2.2167137	21	4 27.3	19.9
344550 2002 VP_{104}	17.5	X	327.74295	89.60168	264.03597	3.61738	0.1670630	0.30568967	2.1824730	21	8 19.8	19.0
344551 2002 VJ_{122}	17.4	X	131.91225	238.51967	247.75970	20.60500	0.3640773	0.28932197	2.2640279	21	6 30.0	21.6
344552 2002 VM_{139}	16.4	X	287.84474	77.70770	329.55060	4.18101	0.1088502	0.19992025	2.8966645	21	8 27.3	20.1
344553 2002 VS_{147}	17.5	X	252.95417	264.01329	95.33947	5.92514	0.1831476	0.29665662	2.2265546	21	4 30.4	20.7
344554 2002 WG_{19}	17.4	X	243.05875	174.33824	224.61467	6.44379	0.0700291	0.29765537	2.2215712	21	6 23.2	20.3
344555 2002 WN_{22}	17.6	X	58.99528	80.77257	104.87715	3.50146	0.0985188	0.29031960	2.2588383	21	5 22.7	19.8
344556 2002 WF_{25}	14.0	X	9.76279	218.72326	52.99637	4.92198	0.0505736	0.08462548	5.1380930	21	7 4.8	20.6
344557 2002 WU_{31}	17.4	X	206.39134	130.47596	236.29652	6.32955	0.1703678	0.28874460	2.2670450	21	3 22.8	21.1
344558 2002 XQ_{13}	16.1	X	201.34732	258.98576	118.17901	10.71503	0.2227046	0.18426343	3.0585104	21	4 15.6	21.5
344559 2002 XF_{16}	17.3	X	169.09744	136.85251	324.03625	8.17877	0.1319297	0.29455460	2.2371349	21	6 20.9	20.7
344560 2002 XK_{31}	17.1	X	195.69611	159.97654	284.78195	4.66606	0.1216194	0.29559117	2.2319018	21	6 27.1	20.1

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344561 2002 XA_{32}	17.7	X	143.98064	163.59433	273.45261	10.14003	0.2081392	0.28705371	2.2759389	21	4 25.6	21.4
344562 2002 XZ_{33}	17.2	X	270.22977	334.66332	10.72232	6.56677	0.2050093	0.29708821	2.2243977	21	4 23.6	20.4
344563 2002 XS_{35}	16.9	X	197.48610	185.14297	255.53664	6.87184	0.0996676	0.29550300	2.2323457	21	6 23.8	20.0
344564 2002 XX_{40}	15.3	X	108.35235	131.61446	300.38863	13.56230	0.2042154	0.17558160	3.1585182	21	3 18.9	20.2
344565 2002 XT_{41}	17.5	X	216.66477	312.70445	47.28701	7.73542	0.2460488	0.29014508	2.2597440	21	3 28.3	21.3
344566 2002 XY_{42}	17.5	X	236.80566	335.20599	68.23117	6.83947	0.1571728	0.29746932	2.2224974	21	6 12.1	20.7
344567 2002 XB_{46}	15.4	X	187.40899	128.68923	269.72725	3.73348	0.3459247	0.18384940	3.0631005	21	4 24.7	21.3
344568 2002 XX_{50}	17.3	X	193.58678	331.57780	85.49665	6.73090	0.1503429	0.29187236	2.2508198	21	5 18.9	20.6
344569 2002 XL_{116}	15.8	X	87.87287	102.32808	36.26478	5.56779	0.1158065	0.17082249	3.2169132	21	5 10.6	20.2
344570 2002 XD_{119}	17.6	X	255.72776	96.23200	263.41301	4.49923	0.1769213	0.29596636	2.2300152	21	4 30.7	20.8
344571 2002 XP_{119}	15.5	X	214.72754	274.35644	66.22122	10.66600	0.0731681	0.18032193	3.1029184	21	3 19.3	20.4
344572 2003 AM_{15}	17.2	X	149.40942	330.48228	79.40266	6.72952	0.1594622	0.28317784	2.2966591	21	3 29.2	20.5
344573 2003 AV_{16}	15.6	X	256.03875	94.77826	296.25217	9.49967	0.1229543	0.18953532	3.0015294	21	6 24.1	20.1
344574 2003 AG_{42}	17.2	X	168.39969	183.20898	267.33306	4.63156	0.1493051	0.28820890	2.2698533	21	6 6.3	20.4
344575 2003 AE_{51}	15.6	X	217.66422	86.10978	329.04681	5.06383	0.0949252	0.18495999	3.0508265	21	6 14.5	20.4
344576 2003 AA_{66}	16.9	X	200.53912	150.69562	314.94213	19.15643	0.2308763	0.29548024	2.2324603	21	7 28.1	20.5
344577 2003 AA_{71}	18.1	X	176.82502	245.07567	159.17320	3.40876	0.2104696	0.28489787	2.2874060	21	4 18.2	21.7
344578 2003 AT_{72}	15.2	X	213.83874	63.96092	65.22059	21.56733	0.1869894	0.19042235	2.9922010	21	9 16.7	20.5
344579 2003 AE_{78}	15.7	X	186.70467	31.58980	82.33172	12.97393	0.1543891	0.18651188	3.0338798	21	7 26.1	20.7
344580 2003 AR_{84}	16.3	X	206.64076	6.62084	66.72157	8.64019	0.2366020	0.18740426	3.0242411	21	6 19.7	21.5
344581 Albisetti	16.1	X	136.02124	16.57400	121.44186	7.67117	0.2040860	0.18120125	3.0928718	21	7 10.6	21.2
344582 2003 BE_{7}	17.0	X	20.51938	133.87446	311.56763	5.85804	0.1201871	0.26568572	2.3963886	21	—	—
344583 2003 BS_{66}	17.2	X	24.09345	30.86956	161.50372	3.68015	0.1979659	0.27631980	2.3345045	21	3 29.4	18.5
344584 2003 BZ_{68}	15.6	X	188.56786	106.76474	355.12070	15.39281	0.1328944	0.18502260	3.0501383	21	7 15.9	20.7
344585 2003 BG_{70}	15.5	X	231.10720	340.29239	94.83911	13.21036	0.1688922	0.18834460	3.0141667	21	7 18.0	20.2
344586 2003 BB_{71}	16.4	X	135.26119	35.40187	116.47971	1.82331	0.2235281	0.18041214	3.1018839	21	7 28.1	21.5
344587 2003 BF_{76}	16.6	X	132.99912	86.22554	39.62386	10.40356	0.1984598	0.17910568	3.1169498	21	6 22.3	21.8
344588 2003 BN_{81}	16.0	X	174.20975	311.94654	149.47212	10.81381	0.1934678	0.18242816	3.0789890	21	6 28.4	21.3
344589 2003 BR_{81}	15.2	X	160.75065	288.33044	144.90523	27.41442	0.1394410	0.17656423	3.1467886	21	5 19.6	20.7
344590 2003 BR_{87}	15.5	X	123.01954	355.26937	119.87557	16.78368	0.0391594	0.17674480	3.1446449	21	5 19.5	20.3
344591 2003 BC_{93}	15.8	X	182.61027	249.41339	251.65498	10.47806	0.0953141	0.18857986	3.0116593	21	8 19.5	20.7
344592 2003 BU_{93}	15.7	X	139.14732	333.46029	143.99916	8.04577	0.0466729	0.17857794	3.1230877	21	6 7.1	20.3
344593 2003 CF_{5}	15.8	X	181.15980	110.12023	336.51204	9.87631	0.1053250	0.18292400	3.0734225	21	6 15.8	20.7
344594 2003 CJ_{7}	17.0	X	292.41009	107.63757	92.74795	6.19694	0.2020959	0.26465411	2.4026119	21	—	—
344595 2003 CN_{11}	17.6	X	25.92914	117.27140	77.95558	4.21598	0.1690738	0.27671871	2.3322604	21	4 9.6	19.3
344596 2003 CP_{24}	17.5	X	319.05844	226.55685	324.93164	4.18892	0.1746506	0.26695126	2.3888088	21	—	—
344597 2003 DW_{3}	16.9	X	315.56580	224.74907	342.90427	7.45439	0.1004842	0.26785419	2.3834374	21	1 4.6	20.1
344598 2003 DB_{10}	15.1	X	135.36860	67.01663	70.48709	27.24132	0.1718766	0.17913462	3.1166141	21	7 5.4	20.4
344599 2003 DM_{23}	15.4	X	211.45176	295.45198	141.07604	14.85014	0.0923982	0.18279736	3.0748418	21	7 5.1	20.2
344600 2003 DW_{23}	15.9	X	114.55777	115.14561	11.07824	25.88617	0.2193388	0.17501018	3.1653897	21	5 31.7	21.3
344601 2003 EJ_{14}	17.2	X	296.64140	91.21946	110.70805	4.91814	0.1786720	0.26364748	2.4087236	21	—	—
344602 2003 EK_{14}	17.5	X	104.37660	79.29136	76.09302	4.74899	0.1534834	0.28391405	2.2926871	21	6 24.8	20.5
344603 2003 ER_{16}	15.8	X	152.81612	100.65887	21.95513	26.28250	0.1912628	0.17922037	3.1156199	21	7 9.1	21.5
344604 2003 EA_{19}	17.7	X	316.93475	55.34200	153.62053	1.70871	0.1305141	0.26756871	2.3851325	21	1 2.5	20.8
344605 2003 EU_{20}	16.8	X	26.03900	48.96870	155.47688	3.59843	0.1402180	0.27644454	2.3338022	21	4 23.9	18.7
344606 2003 EM_{30}	16.0	X	199.32985	294.67940	163.54309	18.46746	0.2652961	0.18486703	3.0518493	21	7 12.4	21.7
344607 2003 EE_{32}	15.3	X	119.55354	84.75603	3.71684	31.56984	0.2111198	0.17284242	3.1918011	21	4 14.9	20.6
344608 2003 EB_{34}	15.1	X	190.50685	77.97434	347.08245	15.50150	0.0831433	0.17643002	3.1483842	21	5 26.1	20.2
344609 2003 EM_{50}	17.7	X	291.75829	281.01599	335.52532	18.28242	0.0157476	0.38100124	1.8844522	21	1 31.6	19.6
344610 2003 EH_{53}	15.5	X	122.35991	96.60600	14.11155	23.06104	0.2362542	0.17412133	3.1761528	21	5 21.5	21.0
344611 2003 EC_{57}	15.7	X	197.17451	355.13617	129.70570	19.11937	0.2627433	0.18348966	3.0671027	21	8 13.0	21.2
344612 2003 EK_{60}	17.0	X	107.14970	106.33013	40.88606	5.24668	0.1786999	0.28246613	2.3005153	21	6 20.0	20.1
344613 2003 FB_{1}	14.7	X	126.71248	1.04377	112.80248	29.26808	0.1563568	0.17354280	3.1832078	21	6 6.1	20.0
344614 2003 FK_{4}	15.2	X	121.59234	79.35024	97.48712	26.25214	0.2334454	0.17858746	3.1229767	21	8 20.9	20.7
344615 2003 FY_{7}	17.4	X	44.47126	303.46379	172.42483	23.93150	0.0478827	0.37409546	1.9075727	21	—	—
344616 2003 FA_{8}	17.5	X	38.01668	321.42518	177.03925	21.91282	0.0768042	0.37745607	1.8962333	21	1 1.6	19.7
344617 2003 FE_{10}	17.9	X	47.14317	132.02420	30.18344	2.49256	0.1457030	0.27487680	2.3426675	21	3 31.4	19.8
344618 2003 FA_{27}	17.4	X	28.07244	187.91401	349.88701	4.08331	0.1185843	0.27312343	2.3526830	21	3 15.1	19.6
344619 2003 FP_{30}	17.5	X	136.18949	81.59390	76.17137	4.27868	0.1857255	0.28667633	2.2779359	21	8 7.0	20.9
344620 2003 FS_{39}	17.1	X	39.20437	336.95831	197.95924	2.55724	0.1474794	0.27408247	2.3471916	21	4 3.4	19.1
344621 2003 FA_{45}	17.6	X	24.09925	344.23914	189.47900	1.05825	0.1189616	0.27280120	2.3545353	21	3 1.1	19.7
344622 2003 FG_{58}	17.0	X	243.84010	57.14948	227.17798	3.72332	0.1603415	0.26484618	2.4014501	21	1 17.9	20.7
344623 2003 GW_{19}	17.6	X	330.38424	156.45725	24.84507	0.28254	0.1495473	0.26513489	2.3997065	21	—	—
344624 2003 HC_{6}	17.7	X	261.26406	25.64903	206.38919	0.73228	0.1288981	0.25893285	2.4378742	21	—	—
344625 2003 HV_{34}	17.4	X	141.43509	116.46391	168.65251	3.46326	0.2624717	0.24625114	2.5208705	21	—	—
344626 2003 HX_{35}	16.1	X	114.54610	120.27047	53.52260	24.15356	0.3574562	0.17581514	3.1557206	21	8 27.5	22.1
344627 2003 JL_{2}	17.3	X	176.29800	105.82739	186.39249	4.37939	0.1691258	0.25096956	2.4891746	21	—	—
344628 2003 JM_{5}	16.6	X	110.02272	242.95268	59.06937	11.47069	0.3419113	0.23992804	2.5649686	21	—	—
344629 2003 JL_{18}	13.7	X	319.05490	35.52279	51.96439	8.11280	0.0800492	0.08224638	5.2367060	21	11 14.9	20.2
344630 2003 KD_{10}	17.4	X	116.85786	208.88727	70.24556	6.75611	0.3240607	0.23780892	2.5801837	21	12 18.1	22.2
344631 2003 LY_{2}	16.1	X	73.51012	37.62464	257.92471	34.96284	0.4510091	0.23043607	2.6349300	21	12 15.2	20.9
344632 2003 OW_{6}	16.3	X	118.76878	97.08565	220.85223	7.73125	0.1736303	0.23929643	2.5694800	21	—	—
344633 2003 OL_{14}	16.3	X	40.55871	92.37283	252.32980	15.11122	0.2476477	0.22899714	2.6459563	21	12 24.2	19.9
344634 2003 OW_{31}	16.2	X	110.96008	183.08252	159.50116	7.25552	0.1641789	0.24134370	2.5549284	21	—	—
344635 2003 OU_{32}	16.2	X	78.71408	35.17051	287.40746	13.25603	0.0637196	0.23093225	2.6311543	21	12 18.4	19.9
344636 2003 PG_{7}	16.9	X	104.23274	112.30166	217.50481	3.46247	0.2164755	0.23828561	2.5767414	21	—	—
344637 2003 QE_{4}	16.9	X	46.60553	169.78594	181.90284	4.94048	0.1979340	0.23019386	2.6367780	21	—	—
344638 2003 QK_{9}	17.2	X	67.98795	129.34201	170.71754	6.56171	0.2494256	0.22837957	2.6507242	21	11 30.7	21.4
344639 2003 QK_{11}	16.2	X	55.58079	330.54095	339.77320	17.05913	0.2653648	0.22812339	2.6527083	21	11 27.4	20.5
344640 2003 QO_{25}	16.9	X	107.79582	20.27287	258.84485	4.10528	0.2735321	0.23247763	2.6194811	21	12 9.9	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344641 Szeleczky	17.1	X	105.65147	85.44764	236.84937	4.04075	0.1313149	0.23440832	2.6050778	21	—	—
344642 2003 QP_{31}	16.6	X	71.03860	3.85868	340.36638	6.22943	0.2577488	0.23294993	2.6159393	21	—	—
344643 2003 QP_{34}	17.0	X	358.05257	357.98867	349.98437	2.66327	0.2956249	0.22209525	2.7004939	21	10 21.9	19.0
344644 2003 QC_{54}	16.3	X	50.04405	356.96965	350.45496	13.07289	0.2950845	0.22938050	2.6430075	21	—	—
344645 2003 QA_{65}	16.4	X	66.43629	334.27257	69.16514	9.07591	0.1954707	0.23731629	2.5837531	21	—	—
344646 2003 QN_{67}	16.3	X	346.04391	255.30237	47.16716	9.95220	0.2884530	0.21534559	2.7566315	21	6 23.0	18.5
344647 2003 QT_{69}	16.8	X	68.86681	146.32025	178.73633	4.06233	0.3171056	0.23053040	2.6342112	21	—	—
344648 2003 QJ_{76}	17.1	X	67.08486	6.05701	299.33758	2.81885	0.2605917	0.22864478	2.6486741	21	12 6.1	21.1
344649 2003 QW_{101}	16.4	X	82.97124	294.61826	29.91425	11.92698	0.2138092	0.23110171	2.6298679	21	—	—
344650 2003 RM_{6}	15.8	X	78.15800	194.31123	144.44378	15.50193	0.1275957	0.23174744	2.6249805	21	—	—
344651 2003 RB_{18}	16.5	X	76.69081	69.34943	237.52886	7.91995	0.2774419	0.22973976	2.6402513	21	12 18.1	20.8
344652 2003 RA_{22}	16.2	X	138.04365	75.11395	234.28375	7.76091	0.1902689	0.23989440	2.5652084	21	—	—
344653 2003 RN_{26}	15.8	X	29.36762	210.81194	118.73404	20.11610	0.2045882	0.22300083	2.6931780	21	11 20.6	19.5
344654 2003 SK_{7}	16.7	X	58.45453	1.01723	320.18468	5.75947	0.1311680	0.22781596	2.6550943	21	11 29.5	20.5
344655 2003 SE_{25}	16.4	X	269.44435	128.44924	257.54548	6.64906	0.2350011	0.21154272	2.7895704	21	6 17.6	20.4
344656 2003 SP_{37}	16.5	X	49.22782	200.90147	186.02059	13.14896	0.1798823	0.23248241	2.6194452	21	—	—
344657 2003 SE_{47}	16.4	X	45.88064	44.47732	347.26009	12.42865	0.1571003	0.23215693	2.6218929	21	—	—
344658 2003 SH_{54}	16.5	X	19.80799	112.19920	266.66829	5.54226	0.1798630	0.22717878	2.6600566	21	12 30.7	19.8
344659 2003 SP_{65}	16.6	X	9.47204	202.60397	193.85326	14.98587	0.2761948	0.22737655	2.6585139	21	—	—
344660 2003 SV_{66}	15.8	X	23.62848	348.72530	32.28744	13.82732	0.1662902	0.22560967	2.6723761	21	—	—
344661 2003 SB_{72}	17.1	X	60.69580	131.13891	197.71237	9.83792	0.1303997	0.22792793	2.6542247	21	12 12.9	20.9
344662 2003 SF_{73}	17.0	X	27.09767	197.90300	189.96377	2.25759	0.2145332	0.22855559	2.6493631	21	—	—
344663 2003 SY_{87}	16.7	X	120.48313	2.70017	303.80912	3.63518	0.1313622	0.23525597	2.5988165	21	—	—
344664 2003 SJ_{104}	16.6	X	24.01093	28.38882	354.90041	3.40245	0.2123485	0.22694555	2.6618788	21	—	—
344665 2003 SH_{106}	16.7	X	358.57690	130.49019	233.04366	10.33674	0.2348003	0.22143750	2.7058389	21	11 8.3	19.1
344666 2003 SK_{113}	16.7	X	109.62878	111.94737	217.49663	11.47741	0.0525729	0.23701730	2.5859255	21	—	—
344667 2003 SA_{142}	17.0	X	106.47435	223.46906	65.71236	6.22634	0.2589937	0.23181016	2.6245070	21	12 19.5	21.6
344668 2003 SX_{148}	16.2	X	325.60421	204.30845	191.90003	9.24621	0.1547024	0.21869620	2.7284033	21	10 12.6	19.1
344669 2003 SN_{149}	16.6	X	334.42542	3.76250	36.14739	5.45497	0.1772444	0.22060427	2.7126480	21	11 4.2	19.0
344670 2003 SA_{152}	16.0	X	278.31718	20.92717	9.33994	10.00892	0.2581274	0.21417074	2.7667036	21	7 1.0	20.1
344671 2003 SQ_{152}	16.0	X	337.33191	296.50002	40.68499	11.81196	0.1048431	0.21515524	2.7582572	21	8 18.4	19.4
344672 2003 ST_{160}	16.3	X	312.54749	348.42427	9.49443	9.44566	0.1848925	0.21434745	2.7651828	21	7 21.7	19.6
344673 2003 SG_{168}	16.5	X	37.67629	308.55055	94.14027	7.13481	0.3048013	0.22982401	2.6396061	21	—	—
344674 2003 SB_{176}	16.2	X	37.48159	93.89029	353.14944	14.83274	0.0452904	0.24085445	2.5583872	21	—	—
344675 2003 SH_{186}	17.2	X	5.61151	254.61943	119.00043	1.78814	0.1821396	0.22448590	2.6812872	21	11 30.9	20.1
344676 2003 SF_{189}	16.2	X	60.90928	118.25951	228.88927	11.60735	0.1682218	0.22862353	2.6488382	21	—	—
344677 2003 SY_{196}	16.8	X	50.45905	69.04227	243.92743	11.39938	0.2680003	0.22509560	2.6764433	21	11 29.1	20.6
344678 2003 SC_{205}	16.3	X	59.33711	128.23262	193.65731	12.91604	0.2738612	0.22582758	2.6706567	21	12 19.5	20.6
344679 2003 SV_{205}	17.1	X	358.35776	132.48266	227.37299	0.56035	0.1496185	0.22178325	2.7030260	21	10 24.4	19.7
344680 2003 SO_{235}	16.2	X	30.19507	311.10035	66.43957	13.12384	0.2051885	0.22696957	2.6616909	21	—	—
344681 2003 SM_{236}	16.5	X	337.25907	55.88458	8.03679	11.22285	0.1724361	0.22574476	2.6713099	21	12 15.4	19.4
344682 2003 SX_{241}	16.6	X	333.08421	165.79727	205.41307	6.16850	0.0299440	0.21841131	2.7307753	21	9 23.4	20.0
344683 2003 SP_{263}	16.6	X	350.33553	223.85556	167.82837	5.31663	0.0760768	0.22314929	2.6919834	21	11 19.7	19.9
344684 2003 SY_{270}	17.3	X	70.37701	275.28033	66.72905	5.03680	0.2040060	0.23007224	2.6377071	21	—	—
344685 2003 SH_{272}	16.8	X	57.01864	86.96347	268.46617	3.24231	0.1491796	0.22919737	2.6444151	21	—	—
344686 2003 SW_{278}	16.2	X	359.53041	106.24676	354.28505	13.32754	0.1538441	0.23157633	2.6262734	21	—	—
344687 2003 SS_{289}	16.6	X	22.95303	257.32966	114.65218	3.65970	0.1218271	0.22573606	2.6713785	21	12 17.4	19.9
344688 2003 SA_{298}	16.2	X	32.77739	52.43486	256.59294	13.03016	0.1744721	0.22098585	2.7095245	21	10 11.6	19.8
344689 2003 SU_{311}	16.9	X	324.79054	251.39463	205.91487	3.24363	0.1771358	0.22761574	2.6566511	21	—	—
344690 2003 SK_{312}	16.6	X	62.31170	279.29682	57.96823	4.79419	0.1919893	0.22794950	2.6540572	21	—	—
344691 2003 SL_{312}	16.5	X	39.64351	167.74767	175.33779	14.33948	0.2644412	0.22499850	2.6772132	21	12 23.6	20.5
344692 2003 SL_{335}	16.9	X	307.66119	303.13374	101.09356	5.80927	0.0441133	0.21772030	2.7365503	21	10 4.8	20.4
344693 2003 SS_{337}	16.5	X	297.30901	193.50640	315.12327	4.20111	0.0423239	0.23505263	2.6003151	21	—	—
344694 2003 SX_{337}	17.2	X	17.62439	37.56565	345.17697	1.79749	0.1438018	0.22525137	2.6752093	21	12 26.8	20.4
344695 2003 SY_{382}	16.7	X	287.05200	27.38999	155.60369	4.73504	0.1795761	0.23734114	2.5835728	21	—	—
344696 2003 SK_{392}	16.8	X	287.96543	352.13955	88.54987	6.10829	0.0890142	0.21967445	2.7202971	21	10 19.6	20.2
344697 2003 SA_{395}	16.6	X	343.61597	13.52766	73.98218	8.05374	0.1841942	0.22759073	2.6568457	21	—	—
344698 2003 SM_{402}	17.0	X	335.88154	265.47935	112.40548	13.41327	0.2259807	0.21656203	2.7462991	21	10 12.4	19.7
344699 2003 SH_{406}	16.0	X	199.68340	127.53046	79.51366	12.58911	0.0327803	0.22561632	2.6723235	21	12 11.9	19.8
344700 2003 SV_{423}	17.5	X	142.57243	286.66840	346.61911	1.78564	0.1253925	0.23262985	2.6183383	21	12 27.9	21.6
344701 2003 SW_{427}	16.6	X	310.78895	200.30536	207.49417	8.47767	0.0927802	0.21752250	2.7382090	21	10 5.6	19.8
344702 2003 SG_{432}	17.2	X	16.93784	130.00967	218.65200	2.13055	0.1011089	0.22212706	2.7002361	21	11 4.1	20.3
344703 2003 TP_{13}	15.9	X	65.01291	331.71789	21.08212	14.38196	0.1719752	0.22796525	2.6539350	21	—	—
344704 2003 TU_{14}	16.7	X	12.20508	200.08399	175.98778	10.07467	0.2841562	0.22335525	2.6903282	21	12 30.6	19.9
344705 2003 TU_{20}	16.2	X	27.53518	34.66100	34.11957	13.84537	0.2034603	0.23230666	2.6207661	21	—	—
344706 2003 TS_{33}	16.6	X	86.70363	231.08560	44.33764	4.73454	0.1146873	0.22184878	2.7024937	21	11 2.9	20.3
344707 2003 TJ_{44}	16.2	X	46.09898	227.67427	159.62038	13.92371	0.1408930	0.23068930	2.6330013	21	—	—
344708 2003 TC_{48}	17.0	X	90.02917	349.39505	270.04695	4.42150	0.1177894	0.22221313	2.6995388	21	10 15.9	20.9
344709 2003 TG_{54}	17.2	X	9.65253	228.34322	147.89187	5.39644	0.1649875	0.22353194	2.6889103	21	12 9.2	20.3
344710 2003 TT_{54}	17.2	X	359.97470	271.26717	133.65999	5.09754	0.2048344	0.22485574	2.6783463	21	—	—
344711 2003 TA_{57}	16.5	X	3.97185	268.07349	116.80929	7.28835	0.0360381	0.22374154	2.6872308	21	11 27.6	20.0
344712 2003 UZ_{6}	15.6	X	86.33969	66.21485	274.96502	29.12784	0.2966593	0.23215118	2.6219362	21	—	—
344713 2003 UW_{14}	17.1	X	260.98710	191.39620	288.01713	1.85159	0.0350682	0.22082902	2.7108071	21	11 5.9	20.7
344714 2003 UZ_{18}	16.4	X	35.63157	195.39190	159.33950	6.71265	0.0579011	0.22383258	2.6865021	21	12 3.9	20.0
344715 2003 UX_{21}	16.1	X	21.82285	128.32759	270.34069	12.52535	0.2742237	0.22756304	2.6570612	21	—	—
344716 2003 UE_{48}	16.3	X	2.04855	184.46432	213.93006	12.26008	0.0896545	0.22302264	2.6930024	21	12 15.8	19.7
344717 2003 UT_{65}	16.3	X	355.06599	295.17642	144.75739	9.92851	0.2388583	0.22726823	2.6593585	21	—	—
344718 2003 UL_{69}	17.1	X	30.85466	304.01018	49.71419	2.52203	0.0946739	0.22497298	2.6774157	21	11 30.4	20.6
344719 2003 UN_{73}	17.1	X	5.28370	318.33931	67.98188	0.73628	0.1402772	0.22201587	2.7011375	21	12 11.0	20.2
344720 2003 UJ_{76}	16.3	X	94.94798	32.31311	252.36730	12.28043	0.1911079	0.22584238	2.6705400	21	11 30.1	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344721 2003 UO_{76}	15.9	X	79.47294	7.70532	311.44424	11.37476	0.1821380	0.22830267	2.6513194	21	12 27.5	20.1
344722 2003 UY_{80}	16.2	X	354.97254	307.48384	82.86125	10.26045	0.1566483	0.22108681	2.7086995	21	12 1.4	19.2
344723 2003 UD_{101}	16.9	X	57.21485	251.62944	92.83537	2.98421	0.2032451	0.22714352	2.6603319	21	—	—
344724 2003 UV_{104}	16.3	X	211.38514	43.43629	12.96787	6.66954	0.1038186	0.20360470	2.8616126	21	6 7.7	20.7
344725 2003 UN_{105}	16.5	X	15.68885	348.36684	31.86712	6.74081	0.0705718	0.22435565	2.6823249	21	12 9.4	20.0
344726 2003 UH_{117}	16.5	X	313.76806	295.52021	69.93902	6.01040	0.1747510	0.21252918	2.7809318	21	8 4.3	19.6
344727 2003 UB_{119}	16.0	X	347.92301	234.39223	202.09919	21.54406	0.0435315	0.22878318	2.6476058	21	—	—
344728 2003 UO_{124}	16.9	X	341.33997	346.40167	78.86997	3.15683	0.1947783	0.22411491	2.6842454	21	12 28.1	19.4
344729 2003 UQ_{125}	16.5	X	10.34571	265.29813	130.44828	7.96540	0.1333055	0.22478365	2.6789189	21	12 31.2	19.8
344730 2003 UU_{131}	16.3	X	48.04701	82.95636	257.13653	10.90223	0.2358489	0.22402447	2.6849678	21	12 24.9	20.1
344731 2003 UM_{137}	17.5	X	34.38598	153.28089	214.86562	2.51804	0.2285806	0.22611726	2.6683753	21	—	—
344732 2003 UO_{138}	16.1	X	339.49867	282.75849	82.73173	5.79694	0.1411509	0.21566672	2.7538945	21	9 28.4	19.0
344733 2003 UX_{139}	16.5	X	80.63097	184.58558	121.73719	6.19364	0.2671989	0.22805639	2.6532279	21	12 19.9	20.9
344734 2003 UQ_{141}	16.4	X	20.84609	221.00564	167.01554	11.90089	0.1587237	0.22661476	2.6644685	21	—	—
344735 2003 UF_{150}	16.2	X	30.56320	186.97007	183.23358	13.37697	0.1558898	0.22413782	2.6840625	21	12 29.4	20.0
344736 2003 UQ_{153}	16.2	X	35.43646	121.63993	268.09472	11.95977	0.1904976	0.23034720	2.6356077	21	—	—
344737 2003 UC_{160}	17.0	X	335.49274	165.37016	222.06989	5.48934	0.0142275	0.21784131	2.7355367	21	10 18.9	20.6
344738 2003 UB_{164}	16.3	X	235.89159	338.33838	67.03562	8.54692	0.1958887	0.20508507	2.8478253	21	6 12.4	20.9
344739 2003 UF_{198}	16.8	X	66.20802	171.55341	171.51739	3.44287	0.1630001	0.22769971	2.6559979	21	—	—
344740 2003 UE_{205}	16.3	X	320.23038	345.27806	27.34124	4.76114	0.1788261	0.21440560	2.7646828	21	8 27.2	19.1
344741 2003 UT_{215}	16.6	X	297.90890	35.44153	43.96607	13.93014	0.1625888	0.21859987	2.7292048	21	10 23.3	19.6
344742 2003 UW_{225}	16.6	X	322.77157	79.46612	21.92252	11.43467	0.1516878	0.22490050	2.6779909	21	—	—
344743 2003 UA_{233}	16.7	X	60.65784	307.97416	16.52102	6.89752	0.2141982	0.22509903	2.6764161	21	12 16.7	20.7
344744 2003 UX_{241}	16.5	X	35.69123	185.69754	205.13199	11.49204	0.1197625	0.22750216	2.6575352	21	—	—
344745 2003 UO_{244}	16.7	X	327.46242	222.61221	176.04616	3.62053	0.1982307	0.21760200	2.7375420	21	10 18.0	19.1
344746 2003 UG_{245}	16.3	X	65.27139	232.22870	89.80322	6.19352	0.1665135	0.22399975	2.6851653	21	12 13.3	20.0
344747 2003 UA_{277}	16.0	X	4.78651	160.74781	242.41653	8.01558	0.0966840	0.22365605	2.6879155	21	12 26.9	19.3
344748 2003 UT_{284}	17.1	X	14.05334	354.84145	39.03110	5.06763	0.1281518	0.22557192	2.6726742	21	—	—
344749 2003 UX_{289}	16.8	X	49.08117	83.50531	238.83627	7.04610	0.3088772	0.22336719	2.6902323	21	12 13.9	20.7
344750 2003 UO_{317}	16.8	X	239.12613	142.54010	1.68817	13.05755	0.1034471	0.22411237	2.6842657	21	10 27.5	20.7
344751 2003 UT_{319}	16.5	X	308.99900	322.07497	75.37310	8.23714	0.0728810	0.21625138	2.7489286	21	9 26.4	20.0
344752 2003 US_{324}	17.3	X	7.21464	140.54679	231.58833	12.57240	0.2745280	0.22620681	2.6676710	21	12 16.0	20.1
344753 2003 UT_{326}	17.0	X	12.72266	224.42590	221.20213	8.12884	0.1023992	0.23703174	2.5858205	21	—	—
344754 2003 UQ_{371}	16.8	X	68.64175	48.03856	264.80868	9.68814	0.2479870	0.23017736	2.6369039	21	12 15.6	20.8
344755 2003 VL_{2}	16.1	X	21.85397	31.78608	7.42686	18.54656	0.2165571	0.22571420	2.6715510	21	—	—
344756 2003 VO_{2}	20.8	X	170.14769	229.03144	268.63103	7.12136	0.1005854	0.65337726	1.3153057	21	8 30.8	20.9
344757 2003 WK_{20}	16.2	X	298.05264	17.46013	37.59370	13.81470	0.1859667	0.21329564	2.7742657	21	9 19.9	19.6
344758 2003 WG_{29}	16.9	X	13.14458	73.35637	266.85750	8.50524	0.2822162	0.21885248	2.7271042	21	11 10.5	19.7
344759 2003 WW_{29}	16.7	X	251.78302	81.40812	357.06757	4.95288	0.1283431	0.20896353	2.8124774	21	8 19.9	20.7
344760 2003 WM_{43}	16.6	X	325.88941	164.72072	280.24262	5.05731	0.1482086	0.22312150	2.6922070	21	12 22.2	19.1
344761 2003 WO_{44}	16.0	X	331.74488	42.03769	17.00078	14.44589	0.0733596	0.22009674	2.7168165	21	11 20.9	19.6
344762 2003 WU_{61}	16.1	X	14.08059	323.30578	66.78386	7.17747	0.0445660	0.22196275	2.7015685	21	12 16.6	19.6
344763 2003 WD_{62}	16.6	X	45.88319	277.36962	64.04888	13.37754	0.2821767	0.22354897	2.6887738	21	12 30.1	20.6
344764 2003 WQ_{69}	16.0	X	145.59890	199.86794	232.79035	9.76574	0.1146662	0.19174384	2.9784371	21	4 22.4	20.6
344765 2003 WW_{71}	15.8	X	60.62649	61.21419	281.01808	12.69049	0.1714418	0.22507847	2.6765791	21	—	—
344766 2003 WE_{87}	16.3	X	345.83461	58.50587	0.95562	13.27345	0.2728679	0.21976571	2.7195441	21	—	—
344767 2003 WW_{92}	16.9	X	359.00954	37.71650	356.15002	3.42509	0.1769107	0.22105374	2.7089697	21	12 14.8	19.7
344768 2003 WT_{94}	17.0	X	270.45018	314.58486	57.20654	2.97500	0.2633141	0.20634943	2.8361805	21	5 28.1	21.2
344769 2003 WH_{97}	16.4	X	83.33086	207.11694	109.00624	6.13635	0.0438771	0.22187798	2.7022565	21	12 11.7	20.3
344770 2003 WQ_{102}	16.0	X	5.88446	53.26614	330.40455	12.64218	0.2131440	0.22167241	2.7039270	21	12 19.1	19.2
344771 2003 WP_{106}	16.1	X	310.83636	212.02989	254.30138	9.77378	0.1622061	0.22086746	2.7104926	21	12 21.7	18.9
344772 2003 WQ_{123}	16.7	X	15.11025	116.61955	275.00880	7.61667	0.3775729	0.22347072	2.6894014	21	—	—
344773 2003 WK_{149}	16.5	X	268.30932	50.35349	46.52387	4.97523	0.1699474	0.21241260	2.7819492	21	9 28.7	20.2
344774 2003 WS_{149}	16.2	X	294.73686	38.64304	94.92719	7.30358	0.1807553	0.22227984	2.6989987	21	12 27.9	18.9
344775 2003 WP_{154}	16.3	X	304.21624	350.18869	95.21782	9.81229	0.1177482	0.21839123	2.7309427	21	11 16.7	19.5
344776 2003 WX_{166}	15.7	X	320.08465	157.58497	273.96164	15.05994	0.1902462	0.21509375	2.7587829	21	11 15.9	18.6
344777 2003 WU_{170}	16.6	X	338.84304	262.72059	153.91458	9.88091	0.2034400	0.22046835	2.7137628	21	12 11.1	19.3
344778 2003 WT_{190}	16.7	X	335.59015	291.97318	103.35467	4.54520	0.2000981	0.21706997	2.7420133	21	11 1.7	19.3
344779 2003 WA_{193}	16.4	X	291.46843	355.19376	117.01445	9.32642	0.2652723	0.21799626	2.7342403	21	11 11.9	19.4
344780 2003 WA_{194}	16.7	X	280.25948	42.48533	81.16053	5.84772	0.0628407	0.22007245	2.7170164	21	12 4.4	20.0
344781 2003 XT_{1}	16.6	X	337.16864	213.39493	180.71184	3.52376	0.2001543	0.21770252	2.7366993	21	11 2.5	18.9
344782 2003 XM_{5}	16.2	X	354.97600	108.64543	294.31187	7.38587	0.3082713	0.22205393	2.7008289	21	—	—
344783 2003 XL_{8}	15.5	X	358.27784	133.17008	270.61064	31.61842	0.1610091	0.22164081	2.7041840	21	12 24.8	18.3
344784 2003 XQ_{18}	16.2	X	353.75086	101.47444	301.19399	7.85407	0.2091317	0.22037438	2.7145342	21	12 21.7	19.0
344785 2003 XA_{23}	15.8	X	212.88070	320.65187	254.64777	13.82430	0.0986452	0.22518993	2.6756958	21	12 28.6	19.7
344786 2003 XJ_{31}	16.4	X	4.10224	303.76513	67.00368	8.60290	0.1483463	0.21806730	2.7336465	21	11 18.8	19.4
344787 2003 XM_{33}	17.1	X	6.54703	298.18638	72.02864	6.20108	0.0840648	0.21724648	2.7405278	21	11 14.9	20.3
344788 2003 XG_{34}	17.1	X	317.62614	316.95497	71.94753	4.41477	0.0997656	0.21201910	2.7853903	21	9 22.9	20.5
344789 2003 XU_{38}	15.9	X	70.05738	293.46344	68.04378	15.15964	0.2645616	0.22674915	2.6634156	21	—	—
344790 2003 YE_{67}	16.8	X	310.52618	316.60338	75.98611	6.45796	0.0914964	0.21200641	2.7855015	21	9 18.6	20.2
344791 2003 YQ_{79}	16.6	X	323.64949	12.60584	93.30865	10.18318	0.1500706	0.21976411	2.7195572	21	—	—
344792 2003 YA_{87}	16.1	X	324.35768	299.90314	119.87882	7.28774	0.2507102	0.21602013	2.7508900	21	11 11.1	18.4
344793 2003 YT_{103}	15.8	X	269.72645	72.03648	77.90894	25.60576	0.1647539	0.21992861	2.7182010	21	12 9.2	19.1
344794 2003 YQ_{120}	16.3	X	260.37237	131.70269	345.12789	7.88354	0.2312718	0.21030313	2.8005214	21	9 30.9	20.3
344795 2003 YK_{134}	16.0	X	299.60832	64.69736	78.63494	14.81076	0.2361133	0.21892484	2.7265033	21	—	—
344796 2003 YS_{148}	16.7	X	291.37604	114.52658	13.42036	8.90789	0.2911684	0.21692581	2.7432279	21	11 23.0	19.4
344797 2003 YB_{149}	15.9	X	267.30917	128.15575	340.44270	14.79202	0.1892868	0.21105035	2.7939073	21	10 1.9	19.9
344798 2003 YY_{150}	16.2	X	329.51198	12.98288	33.99828	10.23974	0.2283832	0.21318429	2.7752317	21	10 31.7	18.6
344799 2003 YJ_{165}	16.9	X	8.58218	110.28022	239.85501	6.18554	0.3072212	0.21791573	2.7349139	21	11 21.4	19.5
344800 2003 YE_{179}	13.4	X	299.61653	43.38269	291.38993	10.45391	0.0375646	0.08006663	5.3313235	21	6 21.2	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344801 2003 YE_{181}	16.3	X	333.69236	142.75571	273.85807	11.47648	0.3823953	0.21493167	2.7601696	21	12 3.9	17.3
344802 2004 BC_{6}	16.2	X	299.19978	315.28284	129.73732	8.99827	0.2035891	0.21245236	2.7816021	21	10 28.2	19.3
344803 2004 BM_{24}	16.8	X	334.71038	179.75239	276.18712	3.27742	0.2277907	0.22018923	2.7160556	21	—	—
344804 2004 BE_{32}	16.3	X	103.69522	82.44990	110.98406	11.00127	0.0299496	0.19567333	2.9384273	21	7 28.5	20.3
344805 2004 BR_{36}	16.2	X	230.24789	129.93128	313.05736	11.86301	0.0804918	0.19920750	2.9035697	21	8 4.6	20.2
344806 2004 BK_{41}	17.2	X	340.43274	80.13992	275.11575	26.18354	0.0518258	0.42754745	1.7450713	21	9 23.2	19.5
344807 2004 BM_{51}	15.6	X	42.86246	333.86593	139.21000	10.95704	0.0687565	0.17350320	3.1836920	21	1 31.1	19.7
344808 2004 BO_{60}	16.7	X	279.28291	355.57020	112.58373	6.07091	0.1217462	0.21206122	2.7850215	21	11 5.8	20.2
344809 2004 BX_{120}	16.3	X	330.53369	27.77933	68.53874	15.53689	0.2544583	0.21801088	2.7341181	21	—	—
344810 2004 BZ_{130}	16.8	X	302.76858	197.81482	129.20106	5.85451	0.0234982	0.19266297	2.9689568	21	6 15.1	20.8
344811 2004 BA_{137}	17.0	X	239.74813	7.46750	95.88814	3.20584	0.0136960	0.20360272	2.8616312	21	9 22.2	21.0
344812 2004 BH_{159}	18.3	X	236.16234	225.43978	150.96594	1.79566	0.1719747	0.29925104	2.2136669	21	5 5.1	21.7
344813 2004 CO	15.5	X	332.52688	40.89924	46.32591	25.01862	0.2464497	0.21618076	2.7495272	21	—	—
344814 2004 CW_{15}	16.3	X	137.54139	273.51442	140.33652	6.01994	0.1346757	0.17962764	3.1109087	21	3 28.4	21.0
344815 2004 CQ_{75}	16.0	X	42.07638	291.31724	304.91057	3.64140	0.2704979	0.18581014	3.0415137	21	8 4.7	19.3
344816 2004 CL_{83}	17.1	X	323.01318	117.79012	142.41456	5.88762	0.1669422	0.29231812	2.2485310	21	3 12.4	19.5
344817 2004 DN_{30}	17.4	X	195.74424	109.37200	21.46938	3.34000	0.0446581	0.31073638	2.1587780	21	9 7.3	19.9
344818 2004 DJ_{59}	17.4	X	153.90796	13.16702	142.51337	5.50565	0.0588979	0.30681799	2.1771190	21	8 17.3	20.0
344819 2004 EN	17.2	X	33.02934	282.00112	297.27735	3.95873	0.1644085	0.29597355	2.2299791	21	6 1.9	18.8
344820 2004 ES_{5}	15.7	X	68.21197	143.96220	20.26927	9.80760	0.1527607	0.18024780	3.1037690	21	5 19.9	19.8
344821 2004 ER_{6}	17.2	X	308.17441	182.81790	351.60779	6.51064	0.0630233	0.27654605	2.3332310	21	—	—
344822 2004 EX_{7}	15.6	X	113.91178	79.75342	344.14043	9.49196	0.0584033	0.17190684	3.2033713	21	3 4.0	20.2
344823 2004 EN_{11}	16.0	X	157.44418	72.78088	44.02458	8.73494	0.1125857	0.18894822	3.0077439	21	6 29.8	20.8
344824 2004 ER_{60}	15.2	X	350.16115	133.87676	92.51432	16.90345	0.0472550	0.17579864	3.1559180	21	4 17.7	19.8
344825 2004 EH_{64}	15.5	X	237.80978	85.34039	334.70762	10.73399	0.1158413	0.19296990	2.9658078	21	7 12.9	20.1
344826 2004 EC_{74}	17.3	X	40.22965	208.27697	31.50652	6.50112	0.0876848	0.29852460	2.2172567	21	7 13.2	19.6
344827 2004 EU_{76}	17.5	X	10.94056	245.61567	4.24707	4.83937	0.2068451	0.29477478	2.2360208	21	6 1.3	18.7
344828 2004 EZ_{78}	15.8	X	13.84762	205.68735	5.33092	17.09892	0.1501356	0.17725337	3.1386271	21	4 17.1	19.5
344829 2004 FR_{7}	16.5	X	156.42021	73.07404	71.61443	1.84496	0.1411595	0.19108568	2.9852724	21	8 3.9	21.4
344830 2004 FE_{18}	18.0	X	106.02450	4.63072	194.48437	2.33060	0.0873635	0.30303497	2.1952006	21	8 19.7	20.7
344831 2004 FD_{33}	15.9	X	145.06991	165.55212	336.31864	8.92333	0.0826230	0.18834429	3.0141700	21	7 18.3	20.5
344832 2004 FY_{71}	16.6	X	265.90518	257.43056	143.62629	1.53151	0.0146331	0.19132384	2.9827944	21	8 3.2	20.8
344833 2004 FT_{80}	15.9	X	17.77924	206.24892	34.71403	15.32517	0.2481082	0.17841125	3.1250327	21	6 14.3	19.2
344834 2004 FH_{83}	17.6	X	98.93794	50.61228	178.65534	2.13221	0.0947745	0.30968898	2.1636427	21	9 25.2	20.1
344835 2004 FZ_{92}	17.3	X	158.40472	118.92279	20.01450	3.86364	0.0274193	0.30335739	2.1936449	21	7 29.8	19.9
344836 2004 FK_{95}	17.8	X	73.60607	186.97122	40.22245	5.98911	0.0805598	0.30381055	2.1914630	21	8 18.9	20.3
344837 2004 FT_{107}	15.3	X	65.42349	134.70450	29.78521	28.01324	0.1274487	0.17634256	3.1494251	21	5 7.8	19.6
344838 2004 FC_{130}	16.9	X	293.37469	167.50747	96.62867	10.67848	0.1068147	0.28408373	2.2917741	21	2 18.9	20.0
344839 2004 FC_{143}	15.5	X	343.35418	202.03579	38.13818	29.93746	0.1971646	0.17227389	3.1988196	21	4 12.0	19.4
344840 2004 FS_{147}	15.7	X	30.62352	166.63302	43.73541	16.92784	0.2178658	0.17887895	3.1195831	21	5 26.1	19.0
344841 2004 FK_{148}	15.3	X	25.38414	174.64325	65.88181	19.02670	0.0760650	0.17975314	3.1094606	21	6 15.9	19.3
344842 2004 FV_{165}	17.8	X	257.92566	21.21631	11.75472	4.70442	0.0743570	0.30653700	2.1784492	21	7 5.5	20.3
344843 2004 GQ_{12}	17.2	X	355.09189	188.79098	67.30277	7.49196	0.1277759	0.29086155	2.2560316	21	5 10.4	19.0
344844 2004 GX_{17}	17.3	X	68.27962	137.98280	59.26872	4.05221	0.0628200	0.29557879	2.2319641	21	6 18.5	19.6
344845 2004 GJ_{18}	17.6	X	209.14767	78.17117	181.02607	22.64558	0.0493452	0.38309298	1.8775864	21	—	—
344846 2004 GB_{26}	17.0	X	43.11586	49.87889	186.27159	6.51939	0.0527996	0.29723526	2.2236640	21	7 5.2	19.4
344847 2004 GC_{33}	17.6	X	332.61983	261.73574	1.80544	5.13247	0.2103101	0.28830267	2.2693611	21	3 24.3	19.9
344848 2004 GR_{41}	16.8	X	59.79045	134.49860	82.42313	7.90072	0.1154552	0.29665933	2.2265411	21	7 15.2	19.0
344849 2004 GX_{42}	15.3	X	38.25820	70.74934	122.12079	14.68020	0.2291395	0.17484017	3.1674413	21	5 26.4	19.0
344850 2004 GV_{45}	17.7	X	269.06941	264.34989	38.77258	4.58098	0.2014105	0.28381023	2.2932462	21	3 3.4	21.2
344851 2004 GK_{50}	17.7	X	147.76537	254.00114	255.81613	2.62205	0.0665769	0.30161327	2.2020935	21	7 31.1	20.5
344852 2004 GP_{74}	15.6	X	76.09252	111.17030	102.79017	6.87181	0.1085116	0.18447940	3.0561227	21	7 31.2	19.8
344853 2004 GM_{80}	15.9	X	290.03307	269.58485	6.05076	15.75509	0.1539449	0.17282494	3.1920164	21	3 11.7	20.5
344854 2004 GS_{84}	15.6	X	132.33618	79.06154	64.07356	11.01071	0.0845043	0.18410061	3.0603133	21	7 4.1	20.3
344855 2004 HS_{6}	15.7	X	17.73189	2.46089	200.30570	28.43437	0.1339192	0.17509293	3.1643922	21	4 18.9	19.3
344856 2004 HV_{6}	17.3	X	64.17844	162.20483	61.68184	8.54923	0.1236015	0.29792379	2.2202366	21	8 6.7	19.9
344857 2004 HO_{12}	16.2	X	55.36151	187.69985	37.45317	15.54534	0.1772176	0.18189401	3.0850139	21	8 1.6	20.5
344858 2004 HT_{12}	15.7	X	186.83770	57.02833	39.50538	10.61610	0.1028242	0.18494736	3.0509655	21	7 4.6	20.6
344859 2004 HD_{13}	16.1	X	140.27997	334.85470	161.65283	13.29083	0.1283075	0.18730844	3.0252724	21	7 7.1	21.0
344860 2004 HT_{29}	17.9	X	1.80884	307.49198	285.98152	2.41046	0.1294589	0.28947997	2.2632040	21	4 14.2	19.9
344861 2004 HP_{38}	17.2	X	198.54024	135.61529	126.59590	6.58618	0.3408242	0.26375619	2.4080617	21	—	—
344862 2004 HX_{38}	17.7	X	266.21521	240.63139	58.06338	23.30811	0.0760966	0.39767107	1.8314148	21	3 1.0	20.4
344863 2004 HP_{50}	16.8	X	35.36542	102.59230	120.63861	8.63968	0.0950941	0.29293895	2.2453530	21	6 8.1	19.0
344864 2004 HK_{60}	15.3	X	63.27197	321.14425	219.12867	16.51497	0.0919373	0.17615552	3.1516541	21	5 27.9	19.6
344865 2004 JK	16.9	X	281.08640	311.58026	235.82798	5.79072	0.0637075	0.27099482	2.3649868	21	—	—
344866 2004 JP_{5}	15.2	X	28.11293	152.95347	82.50738	28.81505	0.1071191	0.17829063	3.1264420	21	6 16.9	18.9
344867 2004 JP_{8}	16.6	X	132.86625	91.31985	178.47485	13.55583	0.1754636	0.25542295	2.4601567	21	12 18.9	20.9
344868 2004 JB_{13}	18.0	X	289.54946	28.04143	233.46914	19.57457	0.1121981	0.39543562	1.8383105	21	1 10.4	20.6
344869 2004 JD_{13}	16.7	X	46.23148	351.58578	194.14213	24.34493	0.1408626	0.28865365	2.2675212	21	5 2.7	18.9
344870 2004 JY_{18}	17.5	X	110.47749	294.43666	250.81796	5.02945	0.1254674	0.29916078	2.2141121	21	8 8.5	20.5
344871 2004 JN_{19}	17.5	X	314.35802	216.67568	53.82983	7.83448	0.1370439	0.28475610	2.2881651	21	3 23.4	20.2
344872 2004 JA_{39}	15.3	X	209.87853	346.73915	84.87428	20.45411	0.1653964	0.18215572	3.0820582	21	6 23.0	20.4
344873 2004 JL_{49}	17.5	X	209.75085	266.70399	49.19524	7.53831	0.1008989	0.27493960	2.3423108	21	1 25.9	21.0
344874 2004 NZ_{4}	16.3	X	252.45479	4.31810	302.83018	25.69762	0.0976738	0.27209801	2.3585901	21	2 17.1	20.0
344875 2004 NQ_{33}	16.7	X	139.03316	12.29468	314.80041	16.31992	0.2108428	0.25718356	2.4489161	21	—	—
344876 2004 OZ_{5}	17.0	X	200.40443	357.32525	319.76414	9.35350	0.2371153	0.26719966	2.3873281	21	1 23.3	21.1
344877 2004 OL_{7}	17.7	X	197.73366	241.12931	72.45165	2.26595	0.2140568	0.26591088	2.3950356	21	1 15.6	21.7
344878 2004 PM_{13}	17.4	X	185.56044	181.45842	143.80686	1.45541	0.2020324	0.26347063	2.4098014	21	1 18.7	21.2
344879 2004 PW_{16}	17.2	X	264.67955	47.87040	258.99407	4.52331	0.0912392	0.27491472	2.3424521	21	3 10.5	20.4
344880 2004 PW_{21}	17.0	X	151.99702	245.85505	123.60436	6.32268	0.1685565	0.26403661	2.4063564	21	2 8.2	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344881 2004 PQ_{49}	17.2	X	118.94206	262.18044	97.62305	3.55076	0.2117387	0.25637257	2.4540779	21	—	—
344882 2004 PS_{63}	17.0	X	148.42043	16.99036	321.77672	5.86624	0.1438015	0.25856985	2.4401552	21	—	—
344883 2004 PA_{68}	17.4	X	136.29707	139.59656	218.04698	4.27151	0.2623334	0.25832611	2.4416899	21	1 18.2	20.9
344884 2004 PW_{71}	17.2	X	187.69610	335.74036	344.26128	1.74503	0.1989301	0.26374923	2.4081041	21	1 14.5	21.1
344885 2004 PJ_{73}	16.5	X	265.26656	304.89199	328.51506	13.22347	0.0795810	0.26928757	2.3749721	21	2 2.1	19.8
344886 2004 PV_{82}	17.4	X	152.31641	241.35451	109.62504	2.95729	0.1957601	0.26005834	2.4308353	21	1 19.5	20.8
344887 2004 PD_{88}	16.6	X	261.58423	279.96503	326.76826	14.28907	0.1259966	0.26456542	2.4031488	21	—	—
344888 2004 PY_{99}	16.4	X	165.78810	315.23588	34.91732	7.26619	0.1170793	0.25943944	2.4346996	21	1 26.7	20.0
344889 2004 PJ_{111}	16.8	X	137.74444	297.38588	62.53359	2.88029	0.2183970	0.25833138	2.4416567	21	1 18.8	20.1
344890 2004 RP_{14}	16.9	X	200.83830	329.12768	314.31725	4.21841	0.1993814	0.26053932	2.4278426	21	—	—
344891 2004 RL_{30}	17.2	X	257.67651	136.12176	143.11330	2.91839	0.1799711	0.26913115	2.3758922	21	1 23.4	21.0
344892 2004 RR_{35}	17.1	X	130.89053	289.54533	65.61157	3.66082	0.2143169	0.25633319	2.4543292	21	1 4.5	20.4
344893 2004 RC_{42}	17.7	X	24.05155	158.87483	193.56453	4.90976	0.2635733	0.23687884	2.5869331	21	12 18.1	20.8
344894 2004 RZ_{54}	17.5	X	191.10886	298.34706	13.06866	4.65593	0.1975665	0.26093109	2.4254118	21	1 7.9	21.4
344895 2004 RZ_{70}	16.9	X	93.93684	184.55317	255.92312	4.10989	0.0812869	0.26353190	2.4094278	21	2 12.4	19.8
344896 2004 RY_{72}	17.5	X	135.08129	194.03880	164.05477	2.38873	0.2342598	0.25650869	2.4532097	21	1 15.0	21.0
344897 2004 RJ_{83}	17.4	X	126.38089	197.88797	170.24135	6.62129	0.1623382	0.25683096	2.4511570	21	1 6.9	20.6
344898 2004 RG_{98}	16.7	X	160.55669	186.49820	185.02467	14.33275	0.0934690	0.26407694	2.4061114	21	2 8.4	20.2
344899 2004 RT_{106}	16.8	X	139.57049	162.96789	251.34155	5.00744	0.1083407	0.26752216	2.3854091	21	3 13.2	20.1
344900 2004 RM_{109}	17.7	X	31.39213	210.41712	139.77846	1.79908	0.1896440	0.23990152	2.5651576	21	12 14.4	20.8
344901 2004 RC_{136}	17.7	X	33.44218	40.46204	318.09427	16.47692	0.2683494	0.24070328	2.5594582	21	—	—
344902 2004 RZ_{142}	16.9	X	143.53901	212.78803	171.82047	8.11207	0.0854231	0.26184687	2.4197535	21	2 6.1	20.1
344903 2004 RY_{144}	17.2	X	244.27695	138.58022	144.54569	2.01831	0.1736197	0.26680760	2.3896663	21	1 16.9	20.8
344904 2004 RJ_{162}	17.0	X	42.58349	348.68636	313.48878	6.82200	0.1908988	0.23602977	2.5931334	21	10 23.5	20.3
344905 2004 RW_{182}	16.7	X	111.16526	123.87238	300.08960	5.04461	0.3107009	0.25911509	2.4367310	21	3 21.0	20.1
344906 2004 RG_{185}	16.9	X	118.59985	79.86370	331.56138	12.31216	0.2019784	0.25998525	2.4312908	21	2 27.6	20.0
344907 2004 RJ_{186}	17.4	X	227.01829	8.15803	283.91451	5.61995	0.1319363	0.26333980	2.4105994	21	1 13.3	21.1
344908 2004 RV_{195}	16.8	X	93.34643	91.43535	303.21288	7.68041	0.1026156	0.25381063	2.4705644	21	—	—
344909 2004 RG_{202}	17.8	X	138.33793	120.78617	203.76753	12.37940	0.2835295	0.25456220	2.4656993	21	—	—
344910 2004 RK_{213}	16.4	X	26.74306	39.04050	274.93933	13.08968	0.2131069	0.23357707	2.6112548	21	10 15.9	19.6
344911 2004 RF_{218}	17.5	X	194.11821	111.73943	210.26620	21.08263	0.0870820	0.37727457	1.8968414	21	—	—
344912 2004 RJ_{237}	17.9	X	124.33120	50.09260	313.10736	2.22690	0.1941166	0.25577780	2.4578808	21	1 3.9	21.0
344913 2004 RV_{239}	15.6	X	95.86994	320.90897	332.92754	1.92616	0.1856553	0.12526539	3.9559304	21	11 27.4	21.6
344914 2004 RR_{261}	17.6	X	2.26604	9.73008	180.40792	2.50103	0.1019973	0.26776652	2.3839576	21	2 16.0	19.9
344915 2004 RB_{289}	18.5	X	114.63799	55.40508	0.70040	21.37347	0.0443340	0.38039082	1.8864676	21	1 15.1	20.8
344916 2004 RT_{294}	16.2	X	247.16121	237.05749	349.34389	10.58239	0.0988207	0.25482949	2.4639748	21	—	—
344917 2004 RC_{314}	16.4	X	128.67544	108.00484	359.62967	18.75261	0.0645944	0.27211026	2.3585193	21	4 29.1	19.8
344918 2004 RY_{347}	17.9	X	86.93373	294.12371	177.13274	2.05316	0.1615703	0.26517384	2.3994715	21	3 31.6	20.4
344919 2004 SA_{36}	17.0	X	75.50661	204.64369	247.49493	5.02378	0.0742669	0.26239238	2.4163986	21	1 30.7	19.8
344920 2004 TA_{5}	17.1	X	5.71342	6.36315	19.14700	4.80071	0.1781080	0.23561085	2.5962063	21	12 19.4	20.0
344921 2004 TU_{8}	17.2	X	321.53107	63.25706	33.21648	20.79794	0.1039917	0.35773288	1.9653058	21	—	—
344922 2004 TO_{9}	17.6	X	152.36603	15.02348	22.32355	20.18975	0.0900345	0.38117666	1.8838740	21	2 27.9	20.0
344923 2004 TB_{12}	17.5	X	124.32029	252.64687	102.73148	1.64180	0.2375708	0.25389292	2.4700306	21	—	—
344924 2004 TB_{17}	17.1	X	103.03121	99.70701	234.03729	19.88641	0.0631916	0.36185977	1.9503349	21	—	—
344925 2004 TF_{32}	17.6	X	107.30133	54.71506	284.67666	2.45368	0.1301456	0.24754354	2.5120888	21	—	—
344926 2004 TE_{53}	16.5	X	345.74523	319.27456	33.50574	8.51124	0.1417978	0.22760888	2.6567045	21	9 23.9	19.2
344927 2004 TU_{62}	15.5	X	14.95466	172.90112	250.86949	1.73084	0.1920729	0.12468981	3.9680950	21	—	—
344928 2004 TH_{80}	16.8	X	294.28088	204.12549	220.15925	5.81423	0.2019135	0.22991399	2.6389173	21	9 16.3	19.7
344929 2004 TK_{90}	17.8	X	16.73982	85.05786	307.36427	1.95775	0.1940459	0.23922154	2.5700162	21	—	—
344930 2004 TU_{117}	17.0	X	160.90163	284.87060	93.00447	3.48329	0.2277013	0.26111369	2.4242810	21	3 6.1	20.9
344931 2004 TQ_{169}	16.6	X	347.38296	324.83109	57.54552	4.99206	0.1978297	0.23329746	2.6133408	21	11 11.6	19.0
344932 2004 TO_{174}	17.8	X	135.49540	175.66858	166.88714	2.77993	0.2117651	0.25466333	2.4650464	21	—	—
344933 2004 TY_{175}	17.0	X	21.72968	331.99018	41.62430	13.32527	0.1749463	0.23703367	2.5858065	21	12 28.2	20.3
344934 2004 TY_{180}	16.9	X	51.06082	80.23755	178.00372	5.32748	0.2037544	0.22933227	2.6433780	21	9 10.4	20.2
344935 2004 TL_{203}	16.4	X	218.00629	339.63626	230.05150	14.21149	0.0669823	0.23872533	2.5735763	21	—	—
344936 2004 TK_{266}	17.1	X	59.45705	145.38941	214.20363	11.57207	0.0645220	0.24072484	2.5593054	21	—	—
344937 2004 TT_{272}	16.5	X	183.61627	271.88738	19.50842	5.29712	0.2313915	0.25186835	2.4832493	21	—	—
344938 2004 TG_{285}	15.8	X	6.25652	31.66295	36.56521	2.59018	0.1889781	0.12429946	3.9763983	21	—	—
344939 2004 TT_{319}	16.4	X	297.78129	113.53394	30.06480	15.77501	0.0446456	0.24370775	2.5383791	21	—	—
344940 2004 TT_{344}	16.2	X	82.70909	5.54044	51.80907	9.08907	0.1526202	0.25290056	2.4764878	21	1 8.8	18.8
344941 2004 TF_{347}	16.5	X	136.60422	296.66487	98.83745	5.54790	0.1936538	0.25908479	2.4369209	21	3 2.2	20.0
344942 2004 TA_{369}	16.9	X	95.98096	209.35243	181.70887	3.92955	0.1736770	0.25067294	2.4911378	21	—	—
344943 2004 VL_{2}	16.7	X	114.62020	150.12771	250.97793	5.16900	0.1458722	0.25701344	2.4499967	21	1 31.2	19.8
344944 2004 VD_{3}	17.5	X	123.48880	343.41028	63.80988	3.29592	0.1606906	0.25724729	2.4485117	21	2 25.5	20.7
344945 2004 VQ_{21}	14.9	X	27.79184	6.56012	58.77212	12.12339	0.2684090	0.12381155	3.9868382	21	—	—
344946 2004 VM_{38}	16.2	X	55.94759	302.48181	96.51606	0.04505	0.2308694	0.12626975	3.9349254	21	—	—
344947 2004 VB_{44}	15.5	X	42.98345	324.34002	105.12328	3.42497	0.2717935	0.12626133	3.9351003	21	1 5.5	19.7
344948 2004 VA_{49}	16.8	X	86.14459	273.75170	99.95205	6.12963	0.1335477	0.24555544	2.5256297	21	—	—
344949 2004 VF_{52}	15.5	X	57.68846	291.89294	99.45140	4.11571	0.3065606	0.12683488	3.9232284	21	—	—
344950 2004 VO_{52}	16.4	X	70.17986	272.24345	132.87898	3.89092	0.1044309	0.24680131	2.5171228	21	—	—
344951 2004 VU_{63}	16.4	X	337.15788	342.93892	64.91340	12.68059	0.1723883	0.23180900	2.6245158	21	11 25.2	18.7
344952 2004 VK_{64}	15.6	X	80.18727	310.56777	102.76989	12.82119	0.1019057	0.19162576	2.9796605	21	1 9.3	19.3
344953 2004 VQ_{72}	15.3	X	49.95637	320.88332	70.00460	3.45335	0.2802546	0.12483928	3.9649270	21	—	—
344954 2004 VL_{75}	17.6	X	211.42107	79.61554	242.17887	19.17977	0.0576633	0.37709969	1.8974278	21	1 6.2	20.0
344955 2004 VB_{81}	15.2	X	49.41997	356.72203	61.07976	3.10450	0.0985614	0.12725915	3.9145036	21	—	—
344956 2004 VF_{92}	16.3	X	185.08259	28.05989	221.35503	14.81563	0.1826093	0.24038109	2.5617447	21	—	—
344957 2004 VX_{99}	17.6	X	94.43900	246.89779	50.26151	2.44340	0.1216693	0.23740371	2.5831188	21	12 10.6	21.5
344958 2004 WL_{2}	17.3	X	333.58147	215.20736	186.43517	0.80865	0.2937936	0.23116446	2.6293920	21	11 10.6	18.8
344959 2004 XH	14.6	X	40.65374	333.23375	72.88603	6.48804	0.2371111	0.12355578	3.9923383	21	—	—
344960 2004 XE_{7}	16.1	X	58.92474	129.89474	289.91713	8.01024	0.1660744	0.24554371	2.5257102	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
344961 2004 XG_{10}	17.4	X	336.40946	221.55675	246.11115	5.49080	0.2959605	0.23767722	2.5811367	21	—	—
344962 2004 XR_{11}	16.6	X	87.23805	87.66354	300.68148	1.35614	0.1028496	0.24596548	2.5228220	21	—	—
344963 2004 XT_{13}	15.9	X	35.78574	336.55352	97.94508	15.31482	0.1550392	0.24077900	2.5589216	21	—	—
344964 2004 XN_{18}	15.7	X	126.08828	275.35828	78.55755	13.80345	0.1054221	0.24754386	2.5120866	21	—	—
344965 2004 XH_{20}	16.3	X	83.80463	280.18533	80.94418	14.25813	0.0914490	0.24033202	2.5620934	21	—	—
344966 2004 XA_{23}	15.8	X	83.27765	303.13055	79.82004	15.23194	0.1285027	0.24402971	2.5361460	21	—	—
344967 2004 XC_{24}	17.8	X	20.36236	345.97368	87.60876	6.86960	0.2436446	0.24205286	2.5499357	21	—	—
344968 2004 XT_{31}	15.8	X	36.11957	118.17796	279.01048	21.42425	0.0578534	0.23503919	2.6004142	21	—	—
344969 2004 XQ_{49}	17.2	X	48.58614	339.68978	72.82591	5.27101	0.0568180	0.24292413	2.5438351	21	—	—
344970 2004 XX_{50}	17.1	X	27.72036	56.14476	10.57633	4.00631	0.2515026	0.23955189	2.5676529	21	—	—
344971 2004 XN_{58}	16.8	X	349.34508	158.16623	297.65678	13.05338	0.2067473	0.23643654	2.5901584	21	—	—
344972 2004 XN_{69}	16.0	X	57.11359	95.37956	271.72529	9.15301	0.1443149	0.23788977	2.5795990	21	—	—
344973 2004 XW_{74}	16.8	X	314.15768	22.37563	81.15724	5.57232	0.1503158	0.23524188	2.5989202	21	12 29.9	19.4
344974 2004 XX_{92}	16.1	X	301.86473	322.56050	51.96214	9.82450	0.0914698	0.21954362	2.7213778	21	8 12.1	19.7
344975 2004 XE_{100}	16.5	X	23.22790	315.45843	103.73752	6.92107	0.1430807	0.23713216	2.5850904	21	—	—
344976 2004 XP_{108}	16.7	X	35.34153	52.61851	18.00865	5.66437	0.1522341	0.24166637	2.5526537	21	—	—
344977 2004 XY_{108}	16.5	X	22.89415	79.49920	292.44911	7.50487	0.1865891	0.23337793	2.6127400	21	12 29.2	19.7
344978 2004 XX_{118}	17.4	X	355.84466	186.89778	281.89090	5.26061	0.1986178	0.23886995	2.5725374	21	—	—
344979 2004 XC_{122}	16.5	X	48.59904	305.10582	45.65091	5.36756	0.2207695	0.23496103	2.6009908	21	—	—
344980 2004 XQ_{124}	15.9	X	59.15989	20.69116	348.20674	18.03613	0.2132218	0.23722741	2.5843985	21	—	—
344981 2004 XQ_{128}	16.1	X	95.60039	278.60906	78.83607	9.94386	0.0989742	0.24159652	2.5531457	21	—	—
344982 2004 XC_{146}	16.6	X	299.41573	70.34102	73.65448	18.14595	0.1231176	0.23846298	2.5754635	21	—	—
344983 2004 XS_{150}	16.0	X	97.21542	252.56150	66.04677	14.79015	0.1052340	0.23585921	2.5943834	21	—	—
344984 2004 XU_{191}	16.0	X	32.18534	42.93219	39.04685	16.25026	0.1747690	0.23924539	2.5698454	21	—	—
344985 2004 YV_{10}	16.9	X	47.85402	338.08308	91.59006	1.86952	0.0882353	0.24617622	2.5213820	21	—	—
344986 2004 YT_{16}	16.6	X	83.23262	274.37304	94.36028	3.21150	0.0932486	0.23697866	2.5862066	21	—	—
344987 2004 YB_{36}	15.9	X	338.95019	153.59330	302.56680	13.80427	0.0771028	0.23322805	2.6138593	21	—	—
344988 2005 AQ_{2}	16.6	X	31.49644	326.26043	92.12193	4.57733	0.1703619	0.23687650	2.5869502	21	—	—
344989 2005 AV_{7}	16.5	X	33.03458	80.17210	348.45108	5.09277	0.2239563	0.23894369	2.5720081	21	—	—
344990 2005 AY_{17}	16.0	X	269.34759	18.37675	110.39162	13.84013	0.0781654	0.22703613	2.6611707	21	11 28.4	19.6
344991 2005 AN_{18}	16.7	X	352.61298	344.70782	118.33934	6.92243	0.2500558	0.23622463	2.5917072	21	—	—
344992 2005 AQ_{20}	15.8	X	221.45223	100.51911	112.44611	15.45945	0.0858229	0.23045207	2.6348080	21	—	—
344993 2005 AP_{28}	17.3	X	57.55885	286.27246	120.14150	24.66986	0.1029284	0.35723055	1.9671478	21	—	—
344994 2005 AN_{29}	16.1	X	324.16395	290.59911	117.14894	13.89473	0.2620936	0.22432642	2.6825579	21	10 29.1	18.5
344995 2005 AP_{41}	17.1	X	311.26338	5.88970	118.41583	6.04847	0.2487109	0.23246666	2.6195635	21	—	—
344996 2005 AG_{52}	16.4	X	351.32102	288.87525	140.50634	17.07097	0.2298001	0.23305747	2.6151345	21	—	—
344997 2005 AG_{57}	16.4	X	57.56123	261.43482	167.22673	12.19316	0.2998590	0.24420570	2.5349273	21	—	—
344998 2005 AM_{70}	16.3	X	318.65490	50.54054	51.61716	13.72539	0.2359957	0.23000789	2.6381990	21	—	—
344999 2005 AZ_{73}	16.8	X	4.29857	36.64112	320.49032	5.33500	0.0497581	0.21976222	2.7195728	21	10 18.9	20.3
345000 2005 AK_{76}	16.9	X	207.08703	92.58490	70.60936	3.40300	0.1047742	0.21887266	2.7269366	21	10 19.6	20.9
345001 2005 BE_{7}	16.3	X	9.48836	303.61291	97.47009	13.26812	0.1771288	0.23137942	2.6277632	21	—	—
345002 2005 BR_{10}	16.4	X	304.14190	321.13022	131.91169	13.28835	0.1225436	0.22647042	2.6656005	21	11 29.3	19.7
345003 2005 BF_{49}	16.5	X	35.19929	78.11244	52.10945	7.68108	0.1316300	0.24506501	2.5289982	21	1 27.1	19.1
345004 2005 CK_{1}	16.5	X	62.74201	78.13937	311.79439	3.91633	0.2542013	0.23865323	2.5740946	21	—	—
345005 2005 CK_{5}	16.3	X	335.41842	359.49289	144.96449	14.05516	0.2143131	0.23550177	2.5970079	21	—	—
345006 2005 CF_{6}	17.0	X	330.37337	159.25913	324.91238	3.72498	0.2220508	0.23279972	2.6170644	21	—	—
345007 2005 CH_{14}	16.9	X	0.25388	316.77212	115.84705	5.14216	0.2500166	0.23346309	2.6121046	21	—	—
345008 2005 CP_{14}	17.5	X	300.17550	172.76600	337.32876	2.88563	0.1287781	0.23191872	2.6236879	21	—	—
345009 2005 CL_{16}	15.8	X	58.34516	5.09613	316.78366	12.34514	0.0759484	0.22125303	2.7073427	21	11 19.0	19.8
345010 2005 CX_{27}	16.3	X	69.24879	324.40674	65.63980	6.29800	0.2300779	0.24085183	2.5584057	21	—	—
345011 2005 CM_{29}	17.1	X	282.36145	51.09225	105.11389	3.22549	0.1395289	0.22897699	2.6461116	21	—	—
345012 2005 CL_{62}	16.8	X	6.29679	67.73003	21.62524	4.39412	0.2508342	0.23664895	2.5886083	21	—	—
345013 2005 CZ_{65}	16.6	X	345.00709	313.51457	150.89856	13.69084	0.2168080	0.23211271	2.6222259	21	—	—
345014 2005 DT_{1}	16.7	X	358.52319	61.11541	45.98143	13.76974	0.2272009	0.23571095	2.5954711	21	—	—
345015 2005 EC_{2}	17.6	X	38.83529	75.71423	342.60490	19.06599	0.0721460	0.35342982	1.9812256	21	—	—
345016 2005 EP_{4}	17.1	X	352.08139	126.31091	329.96787	2.73896	0.1781562	0.23367689	2.6105111	21	—	—
345017 2005 EP_{8}	17.2	X	13.83142	303.49316	128.77492	2.20493	0.1497615	0.23475635	2.6025024	21	—	—
345018 2005 EK_{43}	16.6	X	1.91230	99.45048	355.82103	3.61868	0.2747629	0.23484412	2.6018540	21	—	—
345019 2005 EZ_{45}	15.8	X	137.70420	76.96786	157.12866	12.59610	0.1426569	0.21429287	2.7656522	21	11 7.9	20.4
345020 2005 EU_{59}	16.8	X	8.02590	15.28428	330.62144	7.59888	0.0406480	0.21491493	2.7603130	21	10 7.3	20.4
345021 2005 EF_{72}	16.1	X	253.39844	13.96042	114.77136	10.60186	0.0954983	0.21952447	2.7215361	21	11 4.1	19.9
345022 2005 EY_{77}	16.2	X	43.32651	133.49885	307.14827	3.97790	0.2751711	0.24018294	2.5631535	21	—	—
345023 2005 EF_{83}	16.4	X	245.84748	157.55804	353.24625	10.46120	0.1088505	0.21923904	2.7238976	21	11 12.3	20.3
345024 2005 EV_{83}	15.8	X	213.11146	191.85184	311.37134	10.35769	0.0568789	0.21356496	2.7719329	21	9 28.7	20.0
345025 2005 EF_{92}	16.2	X	202.13673	155.32011	4.79092	10.83216	0.1491674	0.21304272	2.7764610	21	10 4.4	20.4
345026 2005 EQ_{97}	16.4	X	28.50757	209.95868	231.58493	4.28145	0.3047651	0.23892270	2.5721588	21	—	—
345027 2005 EE_{110}	16.7	X	8.58076	235.82524	153.14308	15.05737	0.1519741	0.22400804	2.6850990	21	12 22.9	20.1
345028 2005 EV_{112}	17.1	X	328.89549	268.29062	157.11988	5.59067	0.1468837	0.22259500	2.6964504	21	12 1.5	20.0
345029 2005 EV_{119}	17.1	X	313.31667	119.26523	10.99531	3.25646	0.1915256	0.23006879	2.6377335	21	—	—
345030 2005 EU_{145}	16.2	X	293.94793	266.41878	17.81167	6.66711	0.1432042	0.18474029	3.0532448	21	3 24.4	20.5
345031 2005 EN_{148}	15.8	X	274.41887	259.28634	31.53991	9.26360	0.0666048	0.18285755	3.0741670	21	3 22.1	20.2
345032 2005 EP_{162}	16.5	X	252.13631	40.16854	11.93712	6.07676	0.0593553	0.20305582	2.8667671	21	7 26.7	20.5
345033 2005 EX_{163}	17.1	X	221.42891	321.78127	170.07321	3.16949	0.1662710	0.21229148	2.7830072	21	9 18.0	21.4
345034 2005 EA_{165}	17.0	X	249.96977	311.12977	163.06908	4.79754	0.0559754	0.21303322	2.7765436	21	10 13.7	20.7
345035 2005 EA_{168}	16.8	X	314.49275	200.40895	188.22822	4.27486	0.0780051	0.20955305	2.8072002	21	9 16.0	20.2
345036 2005 EP_{176}	16.6	X	310.45760	115.13654	3.35449	27.48188	0.2895532	0.22706018	2.6609828	21	—	—
345037 2005 ED_{189}	15.9	X	287.21122	252.85917	269.04562	11.36664	0.2294130	0.22856857	2.6492628	21	—	—
345038 2005 EJ_{190}	17.3	X	52.50875	268.79218	172.79256	5.14635	0.2054371	0.24272476	2.5452278	21	—	—
345039 2005 EB_{225}	15.7	X	246.36458	57.44181	88.17319	25.96973	0.2420662	0.21723933	2.7405879	21	11 4.1	20.2
345040 2005 ER_{229}	17.0	X	13.46903	15.87764	358.34642	4.07544	0.1103575	0.22123576	2.7074836	21	12 2.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345041 2005 ES_{233}	16.7	X	267.88434	12.12793	117.81873	10.70261	0.1726457	0.22113001	2.7083467	21	11 13.3	20.3
345042 2005 EC_{270}	16.5	X	227.65206	117.96830	37.23931	7.09659	0.1151991	0.21685928	2.7437890	21	10 29.7	20.5
345043 2005 EH_{284}	17.1	X	355.98982	200.46296	194.53656	3.68328	0.0961231	0.21810886	2.7332992	21	12 2.4	20.2
345044 2005 EP_{286}	16.7	X	233.73488	70.62601	82.82583	15.51193	0.2221775	0.21798523	2.7343326	21	10 28.3	21.1
345045 2005 EC_{320}	16.2	X	233.93257	237.16525	159.50557	15.50801	0.1528239	0.20388643	2.8589760	21	6 5.9	21.0
345046 2005 FJ_{4}	16.3	X	175.45616	153.13176	34.71076	10.46326	0.2310274	0.21147501	2.7901658	21	10 13.5	21.1
345047 2005 GC_{2}	16.2	X	356.30200	32.56626	102.68703	13.91485	0.0692746	0.23615000	2.5922532	21	—	—
345048 2005 GO_{40}	16.7	X	226.36075	297.90722	198.06521	8.93682	0.1701527	0.21133766	2.7913746	21	9 26.6	21.0
345049 2005 GP_{48}	17.1	X	320.37791	314.83675	157.96898	2.04781	0.1835860	0.22455247	2.6807573	21	—	—
345050 2005 GJ_{54}	17.0	X	148.36369	25.95475	198.36210	2.89566	0.0337190	0.21296947	2.7770976	21	11 1.3	21.0
345051 2005 GD_{72}	16.5	X	0.83212	122.11598	174.08202	7.42621	0.1409851	0.19795061	2.9158476	21	7 24.3	19.9
345052 2005 GQ_{73}	16.9	X	235.23458	105.30578	31.89463	6.59517	0.0371953	0.21112377	2.7932596	21	10 25.5	20.6
345053 2005 GD_{103}	17.4	X	275.90516	285.32497	27.48476	7.12071	0.3012071	0.30047734	2.2076399	21	3 12.1	20.9
345054 2005 GK_{104}	16.9	X	174.44908	173.41816	5.49571	4.92874	0.0950111	0.21204985	2.7851210	21	10 3.3	20.9
345055 2005 GO_{109}	17.0	X	55.42184	128.80307	153.03558	2.53845	0.0262546	0.20292233	2.8680243	21	9 18.9	20.9
345056 2005 GJ_{119}	15.9	X	306.67723	357.96268	144.93738	15.32148	0.1903216	0.22633761	2.6666431	21	—	—
345057 2005 GX_{129}	16.7	X	216.64485	25.15882	129.74974	4.28694	0.1219038	0.21143922	2.7904806	21	10 17.7	20.9
345058 2005 GY_{129}	15.9	X	250.32445	153.43223	180.93651	10.30987	0.2493579	0.18077291	3.0977556	21	3 29.5	21.0
345059 2005 GO_{133}	16.7	X	278.13216	304.49969	153.79864	4.13770	0.0594171	0.21202242	2.7853612	21	10 30.0	20.4
345060 2005 GC_{147}	16.2	X	311.94408	275.20422	2.02640	4.98474	0.1149299	0.18395296	3.0619507	21	4 10.1	20.2
345061 2005 GF_{164}	16.3	X	17.36978	277.05777	25.24785	4.70704	0.1216858	0.19815660	2.9138265	21	9 3.6	19.7
345062 2005 GP_{166}	16.6	X	332.33920	271.02646	40.04864	9.86378	0.1039385	0.19296063	2.9659028	21	6 26.9	20.3
345063 2005 GU_{166}	16.6	X	34.61848	190.58563	30.47530	12.86159	0.0280643	0.18970015	2.9997905	21	5 29.8	20.8
345064 2005 GT_{172}	16.0	X	275.21799	219.04730	84.81009	3.41794	0.1455035	0.18153169	3.0891174	21	3 27.8	20.5
345065 2005 GU_{204}	16.2	X	276.76821	74.87349	213.10939	24.36341	0.3387343	0.17462431	3.1700510	21	2 11.7	22.0
345066 2005 JR_{1}	16.5	X	229.09914	119.18796	45.25415	10.75462	0.2511436	0.21543509	2.7558681	21	10 28.2	20.8
345067 2005 JY_{15}	15.6	X	39.40154	140.54322	49.87088	10.64004	0.0743959	0.18432531	3.0578257	21	5 3.8	19.5
345068 2005 JF_{27}	15.9	X	3.21467	207.73737	48.74357	9.87192	0.2515882	0.18750048	3.0232063	21	5 31.6	18.6
345069 2005 JW_{32}	16.5	X	287.11323	64.16972	225.54678	20.64266	0.2039961	0.17777905	3.1324368	21	3 8.9	21.5
345070 2005 JV_{42}	15.4	X	269.62078	60.17279	211.78773	15.65250	0.1748737	0.17227227	3.1988396	21	2 4.3	20.8
345071 2005 JE_{47}	16.3	X	346.12688	224.37076	50.87232	14.31331	0.0488412	0.18872010	3.0101671	21	6 2.5	20.3
345072 2005 JC_{52}	16.8	X	30.08788	161.59277	105.74574	3.27236	0.0674529	0.19448238	2.9504112	21	7 30.7	20.5
345073 2005 JO_{65}	17.3	X	302.62080	223.46569	89.28852	5.79888	0.1954531	0.30618319	2.1801271	21	4 22.6	19.8
345074 2005 JE_{69}	15.7	X	241.73440	186.65303	137.70244	18.77215	0.1898653	0.17408674	3.1765736	21	3 18.8	21.1
345075 2005 JP_{78}	16.8	X	25.02806	214.35539	38.63570	5.06860	0.1474962	0.19031733	2.9933017	21	7 10.9	20.3
345076 2005 JB_{87}	16.9	X	345.56397	259.22941	188.25079	11.30864	0.1590146	0.22572604	2.6714575	21	—	—
345077 2005 JN_{111}	16.0	X	280.06250	267.93068	98.99215	11.23233	0.1240417	0.19045778	2.9918299	21	6 21.9	20.2
345078 2005 JX_{134}	17.0	X	197.89564	305.50924	198.52829	6.03499	0.1977733	0.20459651	2.8523572	21	9 6.9	21.8
345079 2005 JW_{146}	15.6	X	253.48620	233.51674	115.70493	17.54616	0.1160070	0.18227801	3.0806796	21	5 7.5	20.6
345080 2005 JO_{162}	16.6	X	293.26591	59.44096	205.67203	9.65639	0.1755347	0.17446141	3.1720240	21	2 21.6	21.4
345081 2005 JH_{182}	16.0	X	270.38408	251.99031	73.08435	17.40929	0.1331061	0.18208430	3.0828641	21	4 24.2	20.8
345082 2005 KS_{1}	16.5	X	355.67753	129.05814	124.88706	4.18961	0.1998246	0.18446838	3.0562445	21	5 15.1	19.7
345083 2005 KK_{3}	15.7	X	153.74618	273.38465	67.89964	6.81056	0.0261354	0.16748556	3.2595011	21	1 8.5	20.4
345084 2005 LA_{11}	15.8	X	76.32302	88.09747	115.74361	11.21663	0.0475078	0.18984387	2.9982763	21	7 8.4	19.8
345085 2005 LJ_{21}	16.3	X	226.19825	287.55107	240.16158	13.61013	0.2414450	0.21428871	2.7656880	21	10 27.4	20.8
345086 2005 LY_{25}	16.4	X	345.45003	28.55899	204.52862	12.95194	0.1139622	0.17951844	3.1121701	21	4 3.4	20.3
345087 2005 LA_{39}	16.1	X	324.14020	99.64006	216.38023	14.84652	0.1353642	0.18630352	3.0361416	21	6 16.1	20.0
345088 2005 MF	15.9	X	285.77032	37.19422	255.37385	13.91716	0.2269045	0.17560643	3.1582204	21	3 7.8	21.0
345089 2005 MX_{6}	16.1	X	251.10799	106.86307	204.25614	14.63464	0.2458908	0.17220379	3.1996876	21	2 28.6	21.6
345090 2005 MM_{15}	17.5	X	254.91354	74.12326	262.76339	2.81457	0.2165472	0.29399395	2.2399782	21	3 27.4	20.9
345091 2005 MG_{19}	16.5	X	43.25775	5.80850	216.28374	6.94773	0.1006831	0.18714786	3.0270027	21	6 22.6	20.4
345092 2005 MD_{21}	18.0	X	352.35745	47.81717	217.32573	2.59538	0.1997910	0.30289267	2.1958881	21	5 8.5	19.1
345093 2005 MO_{29}	15.5	X	39.21154	288.23639	278.18023	11.28476	0.0922441	0.17581647	3.1557046	21	5 25.3	19.7
345094 2005 MV_{35}	18.1	X	334.55851	283.92039	9.14827	1.17996	0.1212322	0.30310807	2.1948477	21	5 27.8	19.8
345095 2005 MB_{40}	17.7	X	347.64746	43.89714	258.15755	6.77557	0.1705133	0.30697836	2.1763607	21	7 6.9	18.9
345096 2005 MG_{40}	18.4	X	280.80604	126.67542	214.87590	3.05915	0.2226620	0.29962823	2.2118087	21	4 29.4	21.2
345097 2005 NH_{1}	17.7	X	248.81742	241.24546	91.42025	2.76625	0.3585468	0.29076707	2.2565203	21	3 12.8	21.8
345098 2005 NK_{10}	16.2	X	176.48672	222.62766	283.34288	4.78022	0.1723524	0.19060888	2.9902486	21	8 21.7	21.2
345099 2005 NA_{15}	17.6	X	245.91509	27.03462	314.03702	3.18712	0.1948121	0.29321874	2.2439245	21	3 26.0	21.2
345100 2005 NS_{24}	15.9	X	205.46623	171.06108	259.10901	8.27094	0.0106875	0.17941066	3.1134164	21	6 24.7	20.4
345101 2005 NK_{35}	15.9	X	211.28434	279.92432	114.55582	10.21897	0.0902055	0.17344919	3.1843529	21	5 17.2	20.9
345102 2005 NO_{42}	15.9	X	253.00872	62.49947	282.53568	7.81077	0.0917974	0.17374063	3.1807909	21	4 24.9	20.8
345103 2005 NA_{47}	17.8	X	286.90442	3.63903	309.42657	6.37672	0.1301363	0.29714086	2.2241349	21	4 6.5	20.6
345104 2005 NU_{70}	17.9	X	281.28198	226.28710	85.29446	4.42335	0.2544201	0.29514389	2.2341561	21	3 19.9	21.2
345105 2005 NY_{71}	18.2	X	335.96527	120.35901	155.15867	5.49715	0.1795305	0.30161993	2.2020611	21	4 24.6	20.1
345106 2005 OS_{4}	17.3	X	260.96959	239.73121	97.54494	6.40920	0.2674248	0.29429279	2.2384615	21	4 3.4	21.0
345107 2005 OV_{15}	17.7	X	183.36724	52.74060	284.36407	4.45394	0.1913037	0.28111787	2.3078651	21	1 27.5	21.2
345108 2005 PF_{4}	17.6	X	158.31476	173.92908	146.15547	10.26809	0.2574416	0.27444914	2.3451005	21	—	—
345109 2005 PS_{10}	17.7	X	262.06720	245.62094	106.10455	6.93673	0.1838678	0.29635861	2.2280470	21	4 30.4	20.9
345110 2005 QL_{2}	16.8	X	142.50418	97.76499	240.98745	5.67776	0.1331632	0.27464443	2.3439887	21	—	—
345111 2005 QX_{8}	17.6	X	165.23920	206.67039	162.05045	5.05087	0.1711630	0.28046798	2.3114288	21	2 17.6	20.9
345112 2005 QD_{33}	17.8	X	277.02525	184.34723	177.73372	0.41467	0.0965834	0.30051267	2.2074669	21	6 12.4	20.4
345113 2005 QY_{36}	17.6	X	296.88172	123.12737	184.48871	5.78287	0.2149791	0.29554587	2.2321298	21	4 3.4	20.5
345114 2005 QA_{38}	17.0	X	220.54998	176.77711	184.53858	9.23904	0.1458612	0.28807983	2.2705312	21	4 1.6	20.4
345115 2005 QY_{39}	17.0	X	225.15762	120.36237	240.69695	5.49233	0.2192896	0.29045082	2.2581580	21	3 31.8	20.8
345116 2005 QS_{41}	17.9	X	271.75465	133.73834	207.13629	3.26874	0.1853904	0.29572591	2.2312238	21	4 23.2	21.0
345117 2005 QM_{52}	17.4	X	150.57077	303.18503	87.94877	4.46915	0.2347193	0.28071946	2.3100482	21	3 12.4	20.9
345118 2005 QW_{59}	17.6	X	235.55409	96.06845	271.44337	1.90467	0.1866933	0.29142250	2.2531356	21	4 20.9	21.1
345119 2005 QJ_{70}	17.5	X	325.02883	150.97098	146.05979	5.76372	0.1904209	0.29963777	2.2117617	21	5 6.7	19.5
345120 2005 QR_{73}	16.9	X	117.54758	55.36873	292.67222	3.58597	0.2067106	0.26848948	2.3796762	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345121 2005 QQ_{95}	15.6	X	321.11657	157.69243	130.28513	5.67382	0.1458099	0.17411410	3.1762408	21	5 6.9	19.6
345122 2005 QU_{103}	17.8	X	222.63416	80.87108	304.14525	4.99412	0.1213735	0.29307235	2.2446716	21	5 3.2	21.1
345123 2005 QD_{131}	17.5	X	284.50645	247.23203	62.92942	3.01654	0.2201981	0.29426624	2.2385962	21	3 24.3	20.7
345124 2005 QR_{148}	17.9	X	272.66905	239.36623	79.28999	5.80781	0.2606682	0.29430829	2.2383829	21	3 21.3	21.4
345125 2005 QF_{157}	17.4	X	300.91739	6.81714	302.09064	3.94855	0.1645124	0.29442822	2.2377750	21	4 15.9	20.3
345126 2005 QQ_{159}	17.5	X	190.40932	268.10918	70.25671	4.56420	0.1339390	0.28164531	2.3049829	21	2 3.3	20.9
345127 2005 QK_{165}	16.9	X	139.39910	260.04985	58.76924	6.47756	0.1340903	0.26794398	2.3829049	21	—	—
345128 2005 QH_{169}	17.2	X	306.95250	323.20812	37.41604	6.10482	0.1969406	0.30360523	2.1924510	21	7 13.1	19.2
345129 2005 QN_{172}	17.8	X	271.44058	45.94222	291.17792	3.52393	0.1225288	0.29325237	2.2437529	21	4 24.0	20.8
345130 2005 RS_{29}	18.2	X	279.65274	176.91656	192.94661	22.75974	0.1205400	0.42482168	1.7525279	21	6 19.8	20.4
345131 2005 SC_{1}	18.2	X	282.64302	226.67679	69.26767	2.46452	0.3260462	0.29139026	2.2533018	21	2 22.1	21.9
345132 2005 SB_{3}	17.4	X	228.97312	352.95853	5.68049	3.08019	0.1745547	0.28848842	2.2683869	21	4 4.5	21.0
345133 2005 SL_{4}	17.0	X	230.90897	21.34518	359.65240	7.70267	0.1596326	0.29134065	2.2535576	21	5 3.9	20.5
345134 2005 SK_{5}	17.3	X	145.51201	107.63672	195.38539	12.19806	0.2230126	0.26787947	2.3832874	21	—	—
345135 2005 SO_{22}	17.5	X	89.62820	283.95417	110.79390	2.72686	0.1866138	0.26886253	2.3774745	21	—	—
345136 2005 SS_{39}	17.5	X	87.13776	115.96748	11.34009	4.61718	0.0547347	0.28421348	2.2910765	21	4 3.6	20.1
345137 2005 SV_{43}	17.9	X	110.50836	64.58949	0.34052	6.37970	0.0859776	0.27642549	2.3339094	21	2 17.2	20.6
345138 2005 SS_{44}	17.3	X	114.52571	170.80080	227.18360	3.56466	0.1338367	0.27268530	2.3552024	21	1 22.2	20.1
345139 2005 SP_{47}	17.5	X	129.04280	127.67677	356.21837	6.75374	0.0531089	0.29045278	2.2581478	21	5 26.9	20.3
345140 2005 SH_{53}	17.3	X	293.75360	359.11174	326.75887	3.52737	0.1559750	0.29608777	2.2294055	21	5 2.3	20.0
345141 2005 SH_{56}	16.8	X	162.20385	269.92760	28.00123	13.22045	0.2716593	0.26917298	2.3756461	21	—	—
345142 2005 SJ_{56}	18.0	X	220.65477	125.08924	174.87657	5.78870	0.2420311	0.27926799	2.3180455	21	1 14.9	22.1
345143 2005 SO_{71}	17.0	X	183.49806	227.58621	217.74054	4.96495	0.0643411	0.29325687	2.2437299	21	6 14.2	20.0
345144 2005 SV_{79}	17.4	X	187.06408	289.25505	16.13458	6.14447	0.1371836	0.27414811	2.3468169	21	—	—
345145 2005 SD_{83}	17.5	X	256.14194	117.91473	192.61835	6.66090	0.1451347	0.28660651	2.2783058	21	2 28.5	20.8
345146 2005 SL_{102}	17.6	X	285.52802	81.93357	235.39896	4.76923	0.2060468	0.29300632	2.2450089	21	4 2.7	20.8
345147 2005 SW_{107}	17.6	X	289.15449	117.91258	200.60067	5.74924	0.1853110	0.29363764	2.2417898	21	4 13.1	20.5
345148 2005 SE_{108}	17.1	X	165.75617	78.83435	200.66419	4.89096	0.0854715	0.26393324	2.4069847	21	—	—
345149 2005 SY_{115}	17.2	X	198.07508	62.74921	9.50827	4.61168	0.0894702	0.29330614	2.2434787	21	6 12.7	20.4
345150 2005 SB_{122}	17.3	X	353.17823	268.75060	322.18334	5.24084	0.0593327	0.28771832	2.2724328	21	3 31.5	19.8
345151 2005 SU_{123}	17.9	X	258.64861	194.64582	158.20627	1.52910	0.1708146	0.29302157	2.2449309	21	4 27.3	20.9
345152 2005 SJ_{128}	17.6	X	254.78720	19.65243	344.61058	5.89860	0.1370843	0.29305206	2.2447753	21	5 9.3	20.7
345153 2005 SP_{129}	16.9	X	131.04666	113.56239	25.95689	6.69789	0.0522749	0.29259208	2.2471273	21	6 23.1	19.8
345154 2005 SP_{131}	17.8	X	13.53379	290.56095	233.62003	1.04681	0.1017457	0.27629767	2.3346292	21	1 26.9	19.9
345155 2005 SB_{166}	17.3	X	219.51444	229.99011	136.95955	8.65730	0.2227795	0.28811493	2.2703468	21	4 9.1	21.1
345156 2005 SQ_{167}	17.0	X	226.54186	274.33494	90.59445	7.00356	0.2022898	0.28832230	2.2692581	21	4 13.1	20.7
345157 2005 SE_{171}	17.2	X	340.26814	259.26263	356.33832	7.02255	0.0796037	0.29083614	2.2561630	21	4 13.6	19.6
345158 2005 SO_{193}	17.4	X	108.68724	157.89705	216.91582	2.47512	0.2382414	0.26796643	2.3827718	21	—	—
345159 2005 SO_{205}	17.5	X	222.61445	63.80312	305.74013	5.73464	0.1492941	0.28969477	2.2620852	21	4 10.6	21.0
345160 2005 SN_{206}	17.6	X	124.17052	295.85953	67.11758	5.32259	0.2842460	0.27087560	2.3656807	21	1 13.9	20.6
345161 2005 SM_{223}	16.9	X	172.00607	334.07162	10.79250	11.93376	0.1906934	0.27813418	2.3243408	21	2 1.2	20.6
345162 2005 SK_{224}	15.8	X	172.61210	317.73840	14.13355	5.95637	0.1077194	0.14951417	3.5157217	21	1 28.2	21.2
345163 2005 SJ_{238}	17.8	X	239.16268	31.32912	337.50025	1.69546	0.0126597	0.28864951	2.2675428	21	5 11.6	20.5
345164 2005 SH_{249}	17.6	X	358.71568	162.10177	13.65388	2.45724	0.1435259	0.27424347	2.3462729	21	1 14.2	20.1
345165 2005 SJ_{260}	17.2	X	315.65382	232.32912	82.22685	3.83586	0.1674914	0.29785795	2.2205638	21	5 19.9	19.2
345166 2005 SP_{263}	17.9	X	224.61161	209.03022	118.69050	2.86492	0.2603397	0.28430499	2.2905849	21	2 20.9	21.9
345167 2005 ST_{265}	17.7	X	241.77875	241.18612	120.43497	3.54233	0.1370685	0.28965474	2.2622935	21	4 25.3	21.0
345168 2005 SD_{271}	17.5	X	226.30769	268.30172	90.79755	5.90286	0.1104027	0.28777049	2.2721581	21	4 8.5	20.8
345169 2005 SQ_{278}	17.8	X	264.20780	139.36084	191.47892	5.30948	0.1538530	0.29023704	2.2592667	21	4 5.3	21.1
345170 2005 SW_{285}	15.4	X	17.39860	129.59412	48.24765	11.70727	0.1202537	0.15467796	3.4370335	21	3 25.1	19.8
345171 2005 TO_{18}	17.7	X	173.09196	349.26826	43.82984	6.03559	0.1646255	0.28299506	2.2976479	21	3 30.3	21.1
345172 2005 TJ_{29}	17.7	X	149.93746	98.38493	200.64449	4.75183	0.1947492	0.26719247	2.3873709	21	—	—
345173 2005 TN_{36}	17.3	X	83.17391	347.35709	183.99648	7.17031	0.1568031	0.29178888	2.2512491	21	6 19.4	20.0
345174 2005 TM_{41}	17.8	X	305.98440	273.22428	15.16327	5.58849	0.2257551	0.29145008	2.2529934	21	3 18.8	20.5
345175 2005 TY_{65}	17.6	X	200.04779	55.05772	352.82037	6.94858	0.2016886	0.28857407	2.2679380	21	5 9.2	21.3
345176 2005 TF_{72}	17.7	X	144.17888	307.77134	113.28175	4.53528	0.2753334	0.28218373	2.3020499	21	4 16.9	21.4
345177 2005 TR_{73}	17.0	X	305.33298	273.91435	28.84351	7.00114	0.1823241	0.29654966	2.2270900	21	4 12.8	19.6
345178 2005 TS_{74}	17.0	X	199.04406	129.77009	310.04817	5.14903	0.1165150	0.29404184	2.2397350	21	6 24.3	20.3
345179 2005 TG_{78}	15.3	X	248.10154	69.22949	253.65686	7.28209	0.1393905	0.16185758	3.3346277	21	3 20.5	20.6
345180 2005 TA_{82}	17.9	X	176.47973	77.97292	354.48429	5.48211	0.1413862	0.28882315	2.2666339	21	5 19.3	21.3
345181 2005 TL_{94}	17.5	X	9.09909	328.58694	233.73385	5.57593	0.0663724	0.28394215	2.2925359	21	3 15.3	20.1
345182 2005 TF_{97}	17.1	X	22.49640	325.27955	225.64497	5.61405	0.0377767	0.28245924	2.3005528	21	3 22.6	19.7
345183 2005 TB_{99}	17.3	X	299.85743	137.56843	275.21536	4.57351	0.0444866	0.31032689	2.1606766	21	10 12.6	19.7
345184 2005 TL_{103}	17.2	X	263.98246	285.36351	18.87275	9.30175	0.2065214	0.28576739	2.2827636	21	2 28.9	20.8
345185 2005 TO_{128}	17.8	X	206.22653	14.51969	23.51222	4.51689	0.1206494	0.28836598	2.2690289	21	5 4.8	21.2
345186 2005 TC_{169}	17.4	X	42.06208	265.69596	256.17113	1.96552	0.1417637	0.27913121	2.3188026	21	3 16.9	19.5
345187 2005 TM_{171}	16.8	X	261.76427	142.10935	250.31356	7.42012	0.1218123	0.29777205	2.2209908	21	7 1.2	19.6
345188 2005 TY_{178}	17.7	X	135.30493	284.71921	212.70404	6.20003	0.0743192	0.29517882	2.2339799	21	6 27.8	20.6
345189 2005 TS_{182}	17.0	X	231.71144	297.69344	80.06107	8.29646	0.1761406	0.29199706	2.2501790	21	5 4.5	20.5
345190 2005 UX_{18}	17.7	X	171.10576	257.52888	132.33944	2.28107	0.2204149	0.27965560	2.3159030	21	3 26.8	21.5
345191 2005 UR_{21}	17.3	X	264.33933	309.68651	23.85296	7.86290	0.1498276	0.28915952	2.2648758	21	4 9.8	20.3
345192 2005 UD_{23}	18.0	X	111.16900	238.52952	230.63587	5.03891	0.0697808	0.28215414	2.3022108	21	4 14.6	20.9
345193 2005 UL_{28}	17.8	X	155.93243	110.99890	226.76665	0.80443	0.1971508	0.27091831	2.3654320	21	1 4.7	21.2
345194 2005 UM_{30}	17.6	X	186.55023	14.61579	340.50406	2.33988	0.2362482	0.27791165	2.3255814	21	2 24.8	21.6
345195 2005 UD_{31}	17.2	X	60.58071	283.31978	214.85716	6.42030	0.0531088	0.27813432	2.3243400	21	3 7.3	19.8
345196 2005 UG_{33}	17.8	X	181.59356	129.93880	212.49301	5.53633	0.1298553	0.27501938	2.3418578	21	1 27.9	21.2
345197 2005 UP_{50}	17.4	X	226.76065	109.60670	260.54015	1.93109	0.1822913	0.28754857	2.2733270	21	4 16.6	20.8
345198 2005 UB_{55}	17.0	X	170.49953	168.44089	256.47639	6.07331	0.0954542	0.28423615	2.2909547	21	5 1.0	20.2
345199 2005 UD_{56}	17.7	X	207.08905	144.84583	230.74023	5.94148	0.1928666	0.28389724	2.2927777	21	4 5.1	21.5
345200 2005 UV_{61}	17.1	X	175.78644	339.36414	50.43578	10.70809	0.1426718	0.27991391	2.3144780	21	3 30.4	20.6

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Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345201 2005 UB_{65}	17.2	X	274.18067	263.77878	66.27871	7.47478	0.1881653	0.29252853	2.2474527	21	4 14.2	20.4
345202 2005 UO_{71}	17.6	X	220.89477	43.10708	289.30465	6.09657	0.2046793	0.28270265	2.2992320	21	2 21.4	21.5
345203 2005 UE_{77}	16.7	X	84.97930	309.33796	114.08711	10.42601	0.0869598	0.26926663	2.3750952	21	1 7.1	19.1
345204 2005 UT_{85}	17.6	X	257.32222	251.38586	62.94390	3.64918	0.1791247	0.28536615	2.2849029	21	3 7.8	21.0
345205 2005 UW_{89}	17.6	X	124.02733	113.43852	348.70542	5.35366	0.0983515	0.28221071	2.3019032	21	4 25.6	20.7
345206 2005 UE_{91}	17.1	X	337.72997	336.19817	287.01393	4.48051	0.1084492	0.28763657	2.2728633	21	4 16.9	19.4
345207 2005 UA_{92}	17.2	X	143.77819	83.88631	343.19092	4.44370	0.0595527	0.28030322	2.3123345	21	3 29.2	20.0
345208 2005 UR_{93}	17.5	X	109.02173	133.19476	345.92673	3.78627	0.1336955	0.28152796	2.3056233	21	5 5.8	20.5
345209 2005 UD_{103}	17.1	X	141.57664	270.34965	54.36312	10.63964	0.2158456	0.26571001	2.3962425	21	—	—
345210 2005 UB_{108}	17.3	X	355.11429	104.94580	92.02347	2.97985	0.1433339	0.27504186	2.3417302	21	2 7.9	19.5
345211 2005 UZ_{109}	16.9	X	189.71308	122.54173	265.07266	4.82127	0.1495127	0.28154452	2.3055329	21	4 3.3	20.5
345212 2005 UA_{111}	18.2	X	152.75540	63.68496	8.44106	2.61003	0.1840762	0.28085901	2.3092829	21	4 28.9	21.6
345213 2005 UB_{112}	17.6	X	172.20600	52.09693	2.08128	2.45312	0.1197310	0.28213325	2.3023245	21	4 20.7	20.9
345214 2005 UO_{114}	16.8	X	226.25185	280.74474	94.16514	6.15413	0.1707744	0.28799678	2.2709677	21	4 26.2	20.3
345215 2005 UE_{115}	17.6	X	248.57593	28.78959	293.90073	5.73696	0.2024578	0.28726199	2.2748387	21	3 4.2	21.3
345216 2005 UN_{116}	17.0	X	164.57391	6.98723	74.26623	7.11541	0.1026763	0.28652768	2.2787236	21	5 19.1	20.1
345217 2005 UW_{139}	18.3	X	94.95081	309.41465	181.31960	1.14197	0.0695222	0.28291109	2.2981025	21	4 23.4	20.9
345218 2005 UJ_{152}	18.0	X	57.64542	194.36430	232.54232	1.65294	0.1566146	0.26407196	2.4061416	21	—	—
345219 2005 UB_{157}	17.5	X	176.69065	357.06162	352.60626	2.38762	0.1638364	0.27581781	2.3373362	21	2 5.9	20.8
345220 2005 UV_{158}	17.7	X	107.45103	327.80502	65.43955	2.53186	0.1959799	0.26880267	2.3778274	21	1 17.9	20.2
345221 2005 UH_{163}	17.7	X	208.31620	41.06535	4.65388	1.92460	0.0744760	0.28893332	2.2660577	21	5 19.2	20.6
345222 2005 UU_{168}	17.7	X	16.78276	339.77452	219.06949	5.54307	0.1155559	0.28187471	2.3037321	21	3 22.0	19.8
345223 2005 UR_{171}	17.7	X	174.27042	95.38296	264.87801	0.93530	0.2312279	0.27683750	2.3315932	21	2 20.4	21.4
345224 2005 UL_{173}	17.8	X	136.86702	99.56642	305.31640	0.83190	0.1794045	0.27566953	2.3381743	21	3 7.9	20.8
345225 2005 UC_{176}	17.4	X	301.93079	194.46783	44.31458	11.43198	0.1375085	0.27408666	2.3471677	21	1 24.3	20.8
345226 2005 UY_{189}	15.4	X	285.20940	267.68169	230.63083	1.96327	0.1323438	0.12572810	3.9462186	21	11 30.9	20.7
345227 2005 UY_{193}	17.6	X	271.37517	240.79151	49.46991	3.37725	0.1611328	0.28342546	2.2953212	21	2 20.4	20.9
345228 2005 UF_{198}	17.4	X	266.29165	12.35583	296.19305	3.11949	0.0367820	0.28303877	2.2974114	21	3 20.8	20.3
345229 2005 UY_{205}	17.2	X	5.52064	346.24519	223.74096	9.42268	0.0652217	0.28002730	2.3138532	21	3 20.9	19.8
345230 2005 UM_{214}	17.3	X	188.79778	18.45487	359.90928	4.82242	0.2245849	0.28146977	2.3059411	21	3 26.1	21.2
345231 2005 UR_{214}	17.5	X	183.01593	206.01277	167.04548	6.78397	0.1255739	0.28105997	2.3081820	21	3 10.3	20.7
345232 2005 UD_{215}	17.2	X	228.86747	217.01627	126.51273	5.92345	0.1620965	0.28480242	2.2879170	21	3 19.4	20.7
345233 2005 UL_{216}	16.8	X	223.06857	317.45498	60.17951	7.43640	0.1281377	0.28704642	2.2759775	21	4 27.5	20.0
345234 2005 UN_{216}	17.0	X	195.22228	307.07124	74.06341	7.94643	0.1183150	0.28133919	2.3066545	21	4 6.2	20.5
345235 2005 UX_{222}	17.9	X	168.46829	195.29210	240.24906	4.99672	0.1358476	0.28589922	2.2820618	21	5 16.6	21.0
345236 2005 UT_{234}	17.6	X	203.15291	269.66968	93.53722	3.67956	0.1765944	0.28166919	2.3048526	21	3 20.6	21.2
345237 2005 UT_{239}	17.3	X	227.79178	192.46047	160.33330	5.04840	0.1028717	0.28327896	2.2961125	21	3 31.6	20.5
345238 2005 UN_{247}	17.3	X	119.08988	274.98168	244.13555	5.74547	0.0959752	0.29153316	2.2525654	21	7 10.3	20.2
345239 2005 UY_{252}	17.0	X	190.06276	158.77001	247.44853	7.22678	0.2113438	0.28464441	2.2887637	21	4 29.9	20.8
345240 2005 UU_{266}	15.8	X	292.97869	331.86625	159.51053	3.23285	0.1610566	0.12428046	3.9768036	21	11 29.8	21.0
345241 2005 UV_{277}	17.7	X	180.63968	35.63867	33.07499	2.61259	0.1813128	0.28648971	2.2789250	21	5 20.9	21.2
345242 2005 UF_{283}	17.4	X	33.26626	218.00727	68.90689	4.94932	0.0054770	0.30087481	2.2056952	21	9 3.5	19.9
345243 2005 UL_{293}	18.0	X	215.01539	329.79245	337.88852	1.90603	0.2128991	0.27604408	2.3360587	21	1 21.1	21.8
345244 2005 UT_{304}	17.5	X	156.81456	297.32574	128.87503	6.39910	0.1424111	0.28094826	2.3087938	21	4 25.5	20.9
345245 2005 UE_{306}	17.5	X	301.84294	49.95660	223.27111	10.49481	0.1949532	0.28521294	2.2857211	21	2 21.0	20.9
345246 2005 UQ_{314}	17.0	X	224.69170	272.68623	88.48046	6.73745	0.1871783	0.28658983	2.2783942	21	4 7.4	20.7
345247 2005 UM_{410}	17.9	X	246.93602	230.33244	71.54206	6.88714	0.2158307	0.27909989	2.3189761	21	2 10.4	21.8
345248 2005 UZ_{410}	17.4	X	117.42145	4.04561	89.68149	2.82913	0.1902419	0.27715084	2.3298355	21	4 22.5	20.5
345249 2005 UJ_{433}	17.9	X	73.54869	91.55821	74.85353	1.56871	0.1716277	0.28053606	2.3110548	21	5 30.7	20.2
345250 2005 UX_{440}	17.1	X	267.20216	53.20765	298.90681	6.39415	0.1463640	0.29175749	2.2514106	21	5 6.0	20.1
345251 2005 UE_{455}	17.1	X	192.61458	148.61763	245.73567	5.97244	0.1352117	0.28263651	2.2995907	21	4 15.2	20.7
345252 2005 UV_{456}	16.2	X	55.21019	97.06376	56.48897	23.22147	0.1591162	0.27483112	2.3429271	21	4 16.8	18.8
345253 2005 UJ_{472}	17.6	X	182.62297	322.56016	48.51860	7.32754	0.1333950	0.27823206	2.3237957	21	3 11.8	21.1
345254 2005 UT_{477}	17.2	X	164.27994	350.12458	82.28198	7.16408	0.0800915	0.28377728	2.2934237	21	5 6.5	20.3
345255 2005 UR_{502}	16.9	X	49.05798	313.59775	93.71226	6.10114	0.1434141	0.26250835	2.4156869	21	—	—
345256 2005 VE_{6}	17.9	X	178.32622	188.27948	211.23819	6.67670	0.1090791	0.28290872	2.2981154	21	4 7.0	21.0
345257 2005 VT_{6}	17.7	X	173.89244	31.56359	356.11309	4.20406	0.1863543	0.27877023	2.3208040	21	3 23.4	21.3
345258 2005 VM_{8}	18.1	X	248.13815	124.54082	171.97373	2.42690	0.0532615	0.27792103	2.3255291	21	2 10.1	21.2
345259 2005 VT_{17}	17.0	X	263.42605	319.63764	75.38007	7.27285	0.1041883	0.29646469	2.2275155	21	7 11.4	19.7
345260 2005 VQ_{25}	17.4	X	209.76963	115.29895	261.20039	5.74563	0.1174029	0.28388409	2.2928485	21	4 8.4	20.8
345261 2005 VN_{28}	17.3	X	281.77184	62.07731	242.82004	3.99195	0.1805560	0.28794465	2.2712418	21	3 16.2	20.7
345262 2005 VT_{30}	17.7	X	81.57200	22.22237	90.80602	3.15520	0.1650912	0.27309477	2.3528476	21	3 26.4	20.1
345263 2005 VT_{42}	17.5	X	337.90108	219.30894	123.28582	5.74964	0.1733922	0.30280529	2.1963105	21	8 29.4	18.7
345264 2005 VV_{51}	17.9	X	163.04919	74.78280	276.56334	1.27236	0.1985733	0.27394705	2.3479651	21	1 28.3	21.3
345265 2005 VS_{59}	17.9	X	223.58514	110.39542	187.98471	4.55391	0.0597607	0.27344250	2.3508525	21	1 15.1	21.3
345266 2005 VC_{60}	17.8	X	215.55212	283.86160	47.56138	11.41413	0.2732326	0.28258302	2.2998809	21	2 23.9	22.1
345267 2005 VQ_{60}	17.8	X	229.35325	165.13778	158.13447	3.65491	0.1258826	0.27821043	2.3239161	21	2 21.4	21.3
345268 2005 VX_{61}	17.5	X	156.73733	48.54820	222.91561	5.44869	0.2401897	0.26556023	2.3971435	21	—	—
345269 2005 VA_{70}	17.7	X	217.29779	215.33669	104.84671	3.67494	0.1733300	0.27630135	2.3346084	21	2 7.1	21.3
345270 2005 VZ_{70}	17.2	X	86.16605	12.43098	74.20223	6.10406	0.1372506	0.27091360	2.3654595	21	2 20.7	19.7
345271 2005 VO_{95}	17.9	X	125.63523	249.52566	178.55784	2.19351	0.1740854	0.27498438	2.3420565	21	3 25.5	21.0
345272 2005 VG_{99}	16.5	X	154.63151	322.84372	65.06529	25.09267	0.2888752	0.27332358	2.3515343	21	3 30.3	21.0
345273 2005 VS_{102}	17.1	X	199.81829	127.25829	269.80496	7.10264	0.2624553	0.28626707	2.2801064	21	4 25.3	21.3
345274 2005 VY_{102}	17.4	X	99.97040	318.73115	55.09516	7.03805	0.1468808	0.26793271	2.3829717	21	—	—
345275 2005 VE_{104}	17.3	X	343.11126	237.54049	353.22638	5.50476	0.1247604	0.28283691	2.2985043	21	3 9.4	19.4
345276 2005 WP_{16}	17.6	X	203.00851	106.75408	245.56479	6.63642	0.1259697	0.27721468	2.3294777	21	2 28.9	21.2
345277 2005 WD_{26}	18.1	X	108.18219	129.58112	325.81774	1.77091	0.1853892	0.27503619	2.3417624	21	4 10.6	21.0
345278 2005 WV_{36}	17.1	X	300.08961	193.63740	87.43998	5.55023	0.1341713	0.28008560	2.3135321	21	3 18.7	20.0
345279 2005 WF_{37}	18.3	X	75.82728	337.55681	133.66716	0.90168	0.1716413	0.27119734	2.3638093	21	3 13.2	20.5
345280 2005 WL_{39}	15.5	X	0.84428	350.18682	78.44995	3.70036	0.1590022	0.12644104	3.9313708	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345281 2005 WQ_{41}	17.6	X	304.30046	323.98535	246.34922	3.37865	0.0172405	0.26872669	2.3782756	21	1 4.0	20.6
345282 2005 WP_{50}	17.8	X	169.84778	333.26786	61.52862	3.49960	0.1987395	0.27921184	2.3183562	21	3 31.3	21.4
345283 2005 WW_{50}	17.2	X	291.46165	12.61186	248.71182	4.09208	0.1143084	0.27593178	2.3366925	21	2 8.0	20.3
345284 2005 WZ_{52}	18.0	X	19.16687	252.85707	271.58755	0.56035	0.1350121	0.27105577	2.3646323	21	2 5.0	19.9
345285 2005 WQ_{55}	16.5	X	131.38834	267.02378	246.77376	22.33091	0.2671428	0.28627102	2.2800855	21	7 23.7	20.8
345286 2005 WM_{63}	17.8	X	67.84023	206.16698	267.93407	0.73077	0.1410344	0.27148379	2.3621462	21	2 25.3	19.8
345287 2005 WT_{73}	16.8	X	262.35216	76.72454	249.25322	4.59497	0.2189223	0.28586245	2.2822575	21	3 20.0	20.4
345288 2005 WS_{79}	17.4	X	50.92778	62.52621	71.07117	6.65280	0.1703393	0.26933670	2.3746833	21	3 1.1	19.4
345289 2005 WS_{81}	17.5	X	146.61081	167.43095	272.76017	4.97302	0.1270485	0.28156571	2.3054173	21	4 26.9	20.7
345290 2005 WU_{85}	17.2	X	139.01561	120.08677	176.85861	0.98461	0.1640521	0.25778659	2.4450956	21	—	—
345291 2005 WA_{90}	17.6	X	232.06006	208.15392	152.96989	3.71969	0.1801755	0.28660447	2.2783166	21	4 12.1	21.1
345292 2005 WB_{102}	17.3	X	221.87034	141.55320	216.95323	2.34801	0.2633468	0.28362665	2.2942357	21	3 26.9	21.4
345293 2005 WD_{103}	17.4	X	161.01123	348.07962	124.67917	4.61844	0.1947663	0.28709139	2.2757398	21	6 30.6	21.0
345294 2005 WG_{122}	17.5	X	138.47884	16.05568	10.08550	5.57887	0.1681410	0.27867319	2.3213427	21	2 13.7	20.6
345295 2005 WH_{133}	16.9	X	256.89600	228.84095	71.01580	10.93738	0.2807379	0.27925916	2.3180943	21	2 14.5	21.1
345296 2005 WR_{141}	17.4	X	115.68132	354.61565	104.87564	7.00123	0.0803499	0.27310335	2.3527983	21	4 14.9	20.4
345297 2005 WV_{151}	17.1	X	139.12783	106.98075	316.75669	4.08398	0.2162189	0.27680580	2.3317712	21	4 6.3	20.5
345298 2005 WN_{153}	17.7	X	202.41942	350.21175	28.96288	2.18924	0.1193720	0.28091287	2.3089877	21	4 7.3	20.9
345299 2005 WP_{157}	17.3	X	164.05780	88.71102	275.88706	4.82237	0.1527107	0.26847849	2.3797411	21	2 10.1	20.8
345300 2005 WC_{161}	16.4	X	231.74460	129.33135	274.12099	6.57441	0.1164957	0.28942298	2.2635011	21	6 10.6	19.5
345301 2005 WJ_{166}	16.0	X	8.49170	71.14005	350.68624	0.92574	0.1885807	0.12390939	3.9847393	21	—	—
345302 2005 WA_{173}	17.5	X	288.12524	232.55579	77.12485	9.12349	0.1604761	0.28551863	2.2840893	21	4 8.9	20.6
345303 2005 WL_{178}	18.0	X	98.75951	132.41413	328.50088	0.96148	0.1467842	0.27209560	2.3586040	21	3 30.7	20.6
345304 2005 WS_{197}	15.4	X	297.75700	201.07379	300.79221	2.66094	0.0983426	0.12352202	3.9930658	21	12 24.8	20.6
345305 2005 WF_{202}	17.1	X	354.68922	62.77831	106.03646	3.02799	0.1219922	0.26561968	2.3967858	21	1 3.1	19.8
345306 2005 WO_{204}	16.3	X	216.69807	11.84102	116.64151	15.07529	0.1169657	0.22943272	2.6426064	21	9 20.6	20.4
345307 2005 XW_{11}	16.6	X	105.24321	221.71054	108.42003	7.12485	0.1378688	0.25547218	2.4598407	21	—	—
345308 2005 XA_{23}	15.4	X	322.09334	28.78457	80.93511	4.80116	0.1694611	0.12403259	3.9821001	21	12 17.1	20.1
345309 2005 XM_{26}	17.0	X	298.96863	94.43442	102.89821	3.37289	0.1221559	0.25773635	2.4454765	21	—	—
345310 2005 XQ_{31}	18.0	X	90.34842	259.67096	235.23165	1.64594	0.1231318	0.27978777	2.3151736	21	5 1.5	20.6
345311 2005 XU_{37}	17.5	X	258.14437	157.84971	72.26777	2.54494	0.1396496	0.25669960	2.4519931	21	—	—
345312 2005 XD_{38}	17.5	X	201.58615	345.97296	333.45913	1.68523	0.1678369	0.26770114	2.3843458	21	1 23.9	21.3
345313 2005 XZ_{44}	17.1	X	258.52698	225.25655	56.76054	7.65876	0.1073275	0.27207801	2.3587057	21	2 3.7	20.6
345314 2005 XY_{52}	17.2	X	84.40105	176.63023	297.62470	5.40101	0.1651568	0.27141995	2.3625166	21	3 27.9	19.7
345315 2005 XQ_{86}	18.3	X	51.55914	68.12916	73.47341	1.86424	0.1271879	0.26922737	2.3753261	21	3 8.4	20.3
345316 2005 XW_{114}	18.1	X	66.76569	142.36872	325.68232	2.86115	0.0870480	0.26243407	2.4161427	21	2 11.3	20.7
345317 2005 YL_{6}	16.8	X	41.67705	188.05576	290.51431	12.91375	0.2051590	0.26545043	2.3978044	21	1 11.7	18.4
345318 2005 YG_{22}	17.9	X	14.85306	188.60916	307.46668	1.61790	0.1836450	0.26032354	2.4291841	21	—	—
345319 2005 YU_{25}	18.0	X	44.32512	355.39111	117.03109	1.73912	0.1399804	0.26215807	2.4178381	21	1 10.4	20.1
345320 2005 YY_{25}	17.1	X	339.42122	72.15335	114.59057	3.12274	0.1474551	0.26068986	2.4269079	21	1 2.0	20.0
345321 2005 YX_{26}	17.1	X	190.09526	239.57400	93.98998	7.19599	0.2172001	0.26693322	2.3889165	21	2 3.4	21.1
345322 2005 YU_{32}	18.4	X	72.16344	206.31924	258.93557	1.50220	0.1704908	0.26598869	2.3945685	21	2 25.2	20.4
345323 2005 YS_{40}	16.7	X	165.40622	209.41723	130.71168	6.08647	0.2323049	0.26472697	2.4021710	21	1 21.1	20.4
345324 2005 YG_{42}	17.6	X	358.66109	216.45729	316.93946	1.61392	0.1308607	0.26280884	2.4138452	21	1 15.5	20.3
345325 2005 YS_{45}	18.0	X	35.12912	345.39417	179.51375	1.31873	0.1287755	0.26833342	2.3805988	21	3 10.5	20.0
345326 2005 YX_{46}	17.4	X	149.29543	304.31612	100.33769	5.52631	0.1761778	0.27165811	2.3611356	21	3 24.4	20.9
345327 2005 YZ_{48}	17.5	X	28.06693	0.45215	117.57154	4.87937	0.0874273	0.25951037	2.4342559	21	—	—
345328 2005 YS_{91}	17.4	X	345.76363	205.22301	198.50568	1.82904	0.1117082	0.24144215	2.5542339	21	12 4.3	20.0
345329 2005 YP_{96}	17.6	X	88.35157	54.66262	87.67351	3.16429	0.1608589	0.27382182	2.3486809	21	5 17.2	20.2
345330 2005 YU_{100}	17.2	X	203.17906	36.31215	287.03661	5.45484	0.1288283	0.26737727	2.3862708	21	1 27.8	20.7
345331 2005 YS_{103}	18.0	X	98.06226	193.47925	268.32019	1.30091	0.1745698	0.27173256	2.3607043	21	4 4.3	20.8
345332 2005 YU_{106}	17.0	X	181.59536	298.85478	91.31588	3.97813	0.2134434	0.27897705	2.3196568	21	4 5.9	20.9
345333 2005 YM_{107}	17.1	X	162.18902	109.96131	278.85159	5.98307	0.1127651	0.27200812	2.3591097	21	3 5.3	20.6
345334 2005 YD_{111}	17.7	X	314.37729	17.06526	183.64492	2.32140	0.1564679	0.25945747	2.4345868	21	—	—
345335 2005 YE_{111}	17.8	X	84.91989	207.04217	230.93651	2.62201	0.1009981	0.26520444	2.3992869	21	1 29.3	20.3
345336 2005 YP_{115}	17.2	X	333.15252	146.69933	53.55441	2.85215	0.0982677	0.26242864	2.4161760	21	1 19.3	20.0
345337 2005 YP_{126}	17.1	X	311.27568	95.88580	68.51022	4.84758	0.1747051	0.25293102	2.4762890	21	—	—
345338 2005 YK_{127}	16.5	X	126.26645	238.02906	261.22638	24.12090	0.1735455	0.28441688	2.2899841	21	6 28.1	19.9
345339 2005 YR_{145}	17.3	X	128.27555	15.54093	73.96843	7.23587	0.0965445	0.27479259	2.3431461	21	4 19.2	20.4
345340 2005 YK_{160}	17.8	X	41.01397	336.42571	155.20999	3.52637	0.0956283	0.26568912	2.3963681	21	1 31.0	20.2
345341 2005 YL_{167}	17.6	X	137.86154	298.15072	154.06229	2.68270	0.1848733	0.27655836	2.3331618	21	5 12.3	21.0
345342 2005 YE_{175}	17.3	X	54.64600	228.19963	273.07308	9.53008	0.2286586	0.26665024	2.3906063	21	3 18.6	19.3
345343 2005 YF_{178}	18.1	X	105.24002	180.39347	262.62121	3.86565	0.1188678	0.26903750	2.3764436	21	3 9.0	20.9
345344 2005 YG_{179}	18.2	X	126.48137	335.88289	81.76632	2.29269	0.1706580	0.26930730	2.3748561	21	3 14.0	21.3
345345 2005 YL_{179}	15.1	X	358.72000	355.92122	93.67781	5.40965	0.1126286	0.12284836	4.0076502	21	—	—
345346 2005 YR_{179}	17.3	X	306.73078	25.55248	197.13267	3.02321	0.0790316	0.26277761	2.4140364	21	1 15.5	20.6
345347 2005 YP_{188}	18.1	X	49.40503	33.51354	83.21796	2.11148	0.1492859	0.26279977	2.4139006	21	1 27.8	20.0
345348 2005 YF_{191}	17.4	X	317.76452	108.35795	88.42392	2.50196	0.1360090	0.25777118	2.4451930	21	—	—
345349 2005 YU_{196}	16.9	X	139.94886	314.60908	90.32635	7.43239	0.0841402	0.26989806	2.3713894	21	3 4.1	20.1
345350 2005 YE_{205}	18.3	X	149.59558	106.77148	294.24850	0.48793	0.1826633	0.27161990	2.3613571	21	3 17.4	21.5
345351 2005 YY_{222}	17.7	X	199.45630	296.97172	53.26946	5.96624	0.1748211	0.27750633	2.3278453	21	3 2.6	21.4
345352 2005 YC_{268}	18.1	X	117.11232	322.15210	118.52278	2.01784	0.1585935	0.27007743	2.3703393	21	3 31.3	21.1
345353 2005 YP_{272}	18.2	X	28.02247	159.28929	347.61807	1.06770	0.1454341	0.26390163	2.4071769	21	1 28.9	20.2
345354 2005 YW_{291}	16.5	X	178.44949	267.38027	355.60804	3.53078	0.2026449	0.24476070	2.5310939	21	—	—
345355 2006 AC_{6}	16.6	X	52.15946	248.65081	276.15326	12.29429	0.1320078	0.26972914	2.3723794	21	4 6.2	19.2
345356 2006 AP_{9}	17.3	X	343.54923	89.28854	99.40323	3.17612	0.1521050	0.26249981	2.4157393	21	1 9.6	19.9
345357 2006 AY_{10}	17.0	X	15.07644	174.42749	329.34808	13.39732	0.2131027	0.25949060	2.4343796	21	—	—
345358 2006 AP_{14}	18.1	X	110.77984	325.82247	122.41894	1.94915	0.1560168	0.26985953	2.3716151	21	4 2.1	21.0
345359 2006 AX_{27}	16.6	X	214.06212	195.89969	26.53410	5.21388	0.1647364	0.24330783	2.5411599	21	—	—
345360 2006 AX_{31}	17.3	X	70.32634	121.13697	22.42148	6.00473	0.1478091	0.27074816	2.3664230	21	4 16.6	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345361 2006 AJ_{32}	17.0	X	16.32053	100.15285	70.78879	11.30218	0.1717318	0.26349692	2.4096410	21	2 13.4	19.4
345362 2006 AY_{32}	17.4	X	332.46957	182.20831	333.80038	2.00359	0.1296835	0.25799192	2.4437981	21	—	—
345363 2006 AE_{36}	17.9	X	68.79991	120.37109	339.72092	1.77834	0.1660881	0.26446680	2.4037462	21	2 11.8	20.0
345364 2006 AA_{49}	18.0	X	131.94367	156.46435	303.76303	1.70573	0.1670995	0.27797628	2.3252209	21	5 13.3	21.3
345365 2006 AK_{70}	17.1	X	166.29973	181.60169	290.95447	6.13597	0.0702899	0.28271735	2.2991523	21	7 1.9	20.2
345366 2006 AS_{70}	17.6	X	103.71415	157.23647	287.69910	5.03332	0.0867762	0.26745393	2.3858148	21	3 4.3	20.6
345367 2006 AU_{70}	15.6	X	21.19505	291.95831	144.82823	3.54666	0.2309780	0.12515109	3.9583388	21	—	—
345368 2006 AY_{70}	17.0	X	158.60924	137.22781	127.28132	3.78287	0.1901137	0.24057423	2.5603734	21	12 31.4	21.3
345369 2006 AN_{71}	17.0	X	225.91028	39.44634	236.73902	1.28892	0.1605083	0.25564345	2.4587418	21	—	—
345370 2006 AS_{88}	17.4	X	262.45248	339.21025	284.08289	5.66037	0.0904789	0.26224070	2.4173302	21	1 15.1	20.9
345371 2006 AE_{96}	16.2	X	113.94293	137.26109	10.86448	23.57534	0.2096612	0.27399948	2.3476655	21	7 7.0	20.3
345372 2006 BR_{9}	17.0	X	173.14548	330.01454	102.06311	6.89224	0.0610424	0.27629197	2.3346613	21	5 16.2	20.1
345373 2006 BO_{11}	17.6	X	336.17336	308.15969	241.65359	1.45798	0.1090264	0.26023164	2.4297559	21	1 7.6	20.4
345374 2006 BV_{29}	17.3	X	25.52035	82.67925	65.24415	2.03690	0.1385912	0.26208618	2.4182803	21	1 26.9	19.4
345375 2006 BD_{31}	18.0	X	35.98018	4.86999	93.18427	2.36939	0.1508368	0.25703748	2.4498439	21	—	—
345376 2006 BU_{31}	17.2	X	129.03122	86.15505	331.85116	5.94964	0.1210109	0.26623139	2.3931130	21	3 8.7	20.2
345377 2006 BE_{36}	17.8	X	37.46561	111.40970	0.43952	2.31584	0.0517101	0.25915490	2.4364814	21	—	—
345378 2006 BQ_{38}	17.4	X	105.15666	311.62645	135.93053	2.79215	0.1514052	0.26643820	2.3918745	21	3 24.3	20.3
345379 2006 BP_{40}	17.5	X	120.61503	131.14191	332.44946	5.02387	0.1285561	0.27029393	2.3690734	21	4 28.4	20.7
345380 2006 BS_{41}	16.5	X	117.74739	185.12495	150.67754	3.96124	0.1160324	0.24412290	2.5355005	21	—	—
345381 2006 BO_{51}	17.4	X	97.55473	289.35829	116.71887	3.11169	0.1804753	0.26060841	2.4274135	21	1 19.3	19.8
345382 2006 BB_{57}	17.6	X	137.69068	186.45898	186.70616	0.93584	0.2016722	0.26274364	2.4142444	21	1 31.8	20.9
345383 2006 BM_{67}	17.6	X	346.03940	151.01448	17.75317	1.54951	0.1287278	0.25800311	2.4437274	21	—	—
345384 2006 BR_{69}	17.6	X	346.62946	128.17155	48.50749	3.84915	0.1413939	0.25865407	2.4396256	21	—	—
345385 2006 BR_{79}	16.2	X	104.34904	314.40766	359.79397	11.94277	0.2262542	0.23652613	2.5895043	21	—	—
345386 2006 BW_{82}	17.6	X	38.14103	9.02577	119.36921	3.96424	0.1158243	0.26204110	2.4185576	21	1 22.6	19.9
345387 2006 BG_{114}	17.8	X	135.85193	277.10885	123.16924	3.69094	0.1869054	0.26662430	2.3907614	21	3 4.5	21.1
345388 2006 BD_{118}	16.8	X	330.96360	48.61902	261.24370	2.51697	0.0866312	0.21429714	2.7656155	21	6 24.5	20.2
345389 2006 BJ_{120}	17.6	X	93.10565	284.35740	184.50158	3.41136	0.1742294	0.26793709	2.3829457	21	4 8.6	20.2
345390 2006 BT_{148}	17.4	X	312.38495	46.38351	138.90838	3.02619	0.1563922	0.25424364	2.4677585	21	—	—
345391 2006 BK_{163}	17.9	X	85.70780	283.25365	139.75255	1.61911	0.1632001	0.26078170	2.4263380	21	1 20.2	20.2
345392 2006 BP_{166}	17.5	X	186.53618	252.81315	141.84806	2.92457	0.2119779	0.27334461	2.3514137	21	4 15.3	21.4
345393 2006 BC_{169}	16.6	X	138.66479	162.75213	150.82169	3.57134	0.1600246	0.24324536	2.5415950	21	—	—
345394 2006 BX_{188}	17.2	X	15.78109	149.02962	358.14595	10.51517	0.1179464	0.25760718	2.4462307	21	1 13.3	20.0
345395 2006 BC_{189}	18.3	X	78.88449	86.08918	3.62624	8.54190	0.2170841	0.26225170	2.4172627	21	2 26.8	20.5
345396 2006 BZ_{191}	17.2	X	109.29787	233.89230	197.19047	4.68325	0.0906105	0.26585975	2.3953427	21	2 23.2	20.2
345397 2006 BE_{196}	17.9	X	40.74775	312.21936	180.91787	2.47268	0.1236169	0.26134098	2.4228751	21	2 2.8	20.3
345398 2006 BZ_{206}	16.9	X	188.28219	105.44252	167.65413	2.78550	0.2033036	0.24718013	2.5145504	21	—	—
345399 2006 BP_{208}	16.7	X	204.54285	260.22751	294.65396	7.47282	0.1950126	0.23378477	2.6097079	21	11 15.6	20.9
345400 2006 BJ_{221}	17.0	X	222.20422	127.05462	98.99423	2.63257	0.1303491	0.24421932	2.5348331	21	—	—
345401 2006 BX_{233}	18.0	X	27.50395	67.29069	70.38316	1.83658	0.1668257	0.26096941	2.4251744	21	1 13.5	20.1
345402 2006 BX_{246}	17.7	X	43.32788	166.69655	337.30784	2.11882	0.1232008	0.26347384	2.4097818	21	2 24.1	20.0
345403 2006 BL_{247}	16.4	X	141.97232	321.25138	339.00128	2.41022	0.1856922	0.24240617	2.5474574	21	—	—
345404 2006 BE_{251}	17.7	X	111.64032	256.24240	158.44456	1.68147	0.1792880	0.26316734	2.4116524	21	2 20.1	20.6
345405 2006 BD_{254}	17.7	X	103.02766	265.71334	147.03170	1.69731	0.1750190	0.26122174	2.4236124	21	2 4.9	20.5
345406 2006 BX_{255}	18.3	X	68.43620	71.23320	19.74365	2.26404	0.1814473	0.26097274	2.4251538	21	1 31.9	20.4
345407 2006 BR_{260}	13.4	X	332.57265	318.03990	341.21447	28.31087	0.0777698	0.08320287	5.1964950	21	6 18.2	20.3
345408 2006 BY_{262}	16.9	X	293.98381	298.91543	115.78510	2.50797	0.1116754	0.22829741	2.6513602	21	9 19.6	20.0
345409 2006 CO_{20}	16.9	X	321.83664	143.35104	329.65136	14.23627	0.0610813	0.24402529	2.5361766	21	—	—
345410 2006 CV_{20}	17.6	X	46.11170	329.38338	187.49238	1.86523	0.1476131	0.26692708	2.3889531	21	3 21.9	19.6
345411 2006 CW_{35}	17.4	X	356.54286	112.67637	58.48440	3.00131	0.1554590	0.26005219	2.4308736	21	1 6.1	19.8
345412 2006 CE_{42}	16.8	X	163.38482	86.71248	194.60992	4.64387	0.1075033	0.24053308	2.5606654	21	—	—
345413 2006 CP_{50}	16.1	X	149.60155	164.83546	340.33163	9.27662	0.1561041	0.21616340	2.7496744	21	7 31.9	20.6
345414 2006 CZ_{66}	15.1	X	38.14675	262.01988	147.75411	9.97476	0.2415955	0.12523046	3.9566661	21	—	—
345415 2006 DQ_{8}	17.5	X	194.38689	167.21161	62.35624	1.84578	0.0579952	0.23939260	2.5687918	21	—	—
345416 2006 DV_{17}	17.6	X	114.09367	1.73060	67.55858	3.28057	0.1849889	0.26574088	2.3960570	21	3 17.4	20.6
345417 2006 DW_{23}	17.8	X	106.67023	325.44787	103.05246	2.24271	0.1640247	0.26241654	2.4162503	21	3 2.8	20.7
345418 2006 DL_{30}	16.6	X	101.40880	182.93638	169.30580	4.34531	0.1530915	0.24312244	2.5424515	21	—	—
345419 2006 DO_{30}	17.2	X	96.82085	302.80193	345.41402	1.58548	0.0487263	0.23009508	2.6375325	21	11 23.9	20.8
345420 2006 DY_{34}	18.0	X	59.11873	323.08576	157.64720	2.57402	0.1668578	0.26020042	2.4299503	21	2 24.5	20.2
345421 2006 DE_{35}	17.3	X	21.49088	81.55701	12.20667	3.23333	0.0545462	0.24675985	2.5174048	21	—	—
345422 2006 DA_{38}	17.4	X	39.91405	46.87506	115.51822	3.79739	0.1258584	0.26627450	2.3928547	21	3 18.9	19.5
345423 2006 DD_{43}	16.7	X	137.90610	164.70688	143.10951	4.09249	0.0671070	0.24310787	2.5425531	21	—	—
345424 2006 DU_{43}	16.9	X	137.15145	194.54555	127.38404	1.91419	0.1240438	0.24504590	2.5291296	21	—	—
345425 2006 DM_{49}	18.0	X	75.45113	292.55597	159.81491	1.39624	0.1531208	0.26065165	2.4271450	21	2 11.8	20.4
345426 2006 DZ_{49}	17.0	X	49.06222	37.63331	108.30948	5.07018	0.1930684	0.26422742	2.4051978	21	3 19.1	18.9
345427 2006 DG_{73}	16.0	X	69.81970	348.42600	14.54098	13.73105	0.1085544	0.23529578	2.5985234	21	—	—
345428 2006 DN_{77}	17.0	X	288.88338	50.71689	22.03205	3.63596	0.1528232	0.23079969	2.6321617	21	9 30.2	20.0
345429 2006 DY_{86}	17.2	X	257.48138	2.58192	152.36012	5.52971	0.0815723	0.23617277	2.5920866	21	12 14.5	20.5
345430 2006 DY_{88}	18.4	X	65.15358	259.17157	178.56099	1.91504	0.1788055	0.25580743	2.4576910	21	1 5.2	20.6
345431 2006 DK_{90}	16.2	X	100.21597	180.79105	173.13378	12.28209	0.1313719	0.24194573	2.5506884	21	—	—
345432 2006 DQ_{93}	17.1	X	196.95778	39.04829	175.94182	5.21679	0.1170559	0.23297319	2.6157652	21	12 11.7	21.1
345433 2006 DL_{98}	17.6	X	82.85145	79.87711	328.57262	5.71376	0.1145494	0.25462479	2.4652952	21	—	—
345434 2006 DP_{105}	14.0	X	239.84070	25.87274	4.77509	4.20343	0.0528251	0.08195828	5.2489706	21	6 14.8	21.1
345435 2006 DR_{123}	17.3	X	201.14904	237.79684	338.81425	10.81333	0.1363733	0.23592049	2.5939341	21	12 15.9	21.3
345436 2006 DB_{132}	17.4	X	83.91962	314.23196	90.73252	3.54686	0.2074056	0.25465257	2.4651159	21	—	—
345437 2006 DK_{140}	16.6	X	108.83668	272.51357	73.08617	4.67216	0.1130051	0.24348141	2.5399520	21	—	—
345438 2006 DF_{155}	17.2	X	353.21259	182.46876	257.59484	2.74724	0.0499162	0.23956576	2.5675538	21	—	—
345439 2006 DY_{160}	17.3	X	110.49696	77.33258	341.19236	1.83728	0.2057399	0.26176409	2.4202636	21	2 28.2	20.2
345440 2006 DD_{167}	17.5	X	59.02673	46.77092	61.19974	3.22655	0.1791384	0.25948382	2.4344220	21	2 7.8	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345441 2006 DN_{176}	16.8	X	85.63250	261.41088	94.30549	2.25947	0.0970290	0.24197556	2.5504788	21	—	—
345442 2006 DE_{182}	17.9	X	72.90641	132.83744	292.69243	1.73986	0.1189748	0.25348571	2.4726751	21	—	—
345443 2006 DO_{211}	17.3	X	291.05493	197.40288	326.79601	1.09854	0.0931384	0.24315386	2.5422325	21	—	—
345444 2006 DV_{216}	16.3	X	250.88408	217.56345	194.85448	4.70122	0.1142433	0.21442931	2.7644789	21	7 15.4	20.2
345445 2006 EO_{3}	16.7	X	319.36253	310.01712	13.22794	3.62020	0.0908051	0.21369522	2.7708064	21	6 24.2	20.2
345446 2006 EW_{14}	17.8	X	73.96487	293.57250	157.33580	1.38651	0.1599796	0.25853449	2.4403777	21	2 8.4	20.0
345447 2006 EM_{20}	17.1	X	144.83244	232.15993	128.89998	7.80870	0.1409588	0.25852079	2.4404639	21	1 17.4	20.3
345448 2006 EN_{20}	17.0	X	182.81317	234.41335	1.24467	4.42226	0.1824162	0.23736470	2.5834018	21	12 17.8	21.2
345449 2006 EB_{23}	16.4	X	88.46034	301.66302	349.05431	12.36389	0.2576383	0.22742635	2.6581257	21	12 5.0	21.0
345450 2006 ET_{38}	16.2	X	313.67482	188.11806	306.36472	10.84461	0.0509627	0.24271782	2.5452763	21	—	—
345451 2006 EA_{39}	16.3	X	311.43552	177.82521	320.13477	14.39768	0.1384840	0.24358993	2.5391976	21	—	—
345452 2006 EQ_{40}	17.0	X	126.54452	311.39819	315.60163	4.04680	0.1433030	0.22925684	2.6439578	21	12 4.8	21.2
345453 2006 EX_{40}	15.7	X	112.15699	343.54514	9.76761	8.16279	0.2716400	0.24296845	2.5435257	21	—	—
345454 2006 EA_{45}	16.4	X	152.96277	193.77634	24.80920	13.90883	0.1887714	0.22580061	2.6708693	21	10 30.2	21.0
345455 2006 FY	16.2	X	332.66696	147.75863	90.13972	14.05792	0.2008214	0.26032210	2.4291930	21	2 28.8	19.2
345456 2006 FJ_{1}	17.2	X	113.00023	89.57753	174.82039	5.16682	0.1482339	0.22570107	2.6716546	21	11 20.6	21.5
345457 2006 FG_{2}	16.5	X	61.74685	169.58652	191.20210	12.71993	0.1899376	0.23560793	2.5962277	21	—	—
345458 2006 FG_{6}	17.0	X	113.12118	61.19078	128.88039	7.65815	0.1642061	0.27829721	2.3234329	21	8 24.6	20.3
345459 2006 FX_{10}	17.2	X	311.72599	314.83266	164.89014	8.52909	0.1113222	0.23983276	2.5656478	21	—	—
345460 2006 FS_{35}	16.1	X	225.88114	55.23438	69.11737	9.69258	0.0449691	0.22077874	2.7112187	21	10 2.8	20.0
345461 2006 FC_{37}	16.3	X	224.25603	272.68966	293.77320	11.62904	0.1959556	0.23737404	2.5833341	21	12 22.2	20.0
345462 2006 FY_{39}	16.9	X	104.74231	231.73166	20.59169	13.60684	0.0835221	0.22270808	2.6955377	21	10 20.6	20.9
345463 2006 FU_{51}	16.1	X	175.11792	93.34278	145.10448	13.06522	0.1389280	0.22960664	2.6412718	21	12 17.0	20.4
345464 2006 GD_{13}	15.6	X	53.87598	227.50788	31.75239	16.39972	0.1916615	0.21079329	2.7961783	21	9 20.2	19.4
345465 2006 GU_{26}	17.1	X	119.24639	97.32764	188.56058	5.62080	0.0886504	0.22739717	2.6583532	21	12 18.7	21.2
345466 2006 GZ_{28}	17.1	X	284.05363	117.73231	32.54577	12.87474	0.1183835	0.23633199	2.5909222	21	—	—
345467 2006 GB_{36}	16.4	X	245.19154	93.44350	189.07799	8.76825	0.2599856	0.18389982	3.0625406	21	1 22.8	21.9
345468 2006 GG_{42}	15.8	X	208.37905	140.35430	76.26034	12.67312	0.1909524	0.23245507	2.6196506	21	12 17.0	19.8
345469 2006 HU_{10}	17.0	X	311.30972	2.43909	149.95852	6.57739	0.1226825	0.24188444	2.5511193	21	—	—
345470 2006 HU_{15}	16.6	X	35.22897	267.26208	97.38926	3.17224	0.0969126	0.22718998	2.6599692	21	12 21.3	20.1
345471 2006 HJ_{21}	16.1	X	63.69047	222.36123	52.03599	10.34910	0.1864952	0.21409471	2.7673585	21	10 17.6	20.0
345472 2006 HQ_{21}	17.2	X	247.13605	128.09483	85.34996	4.61406	0.1320766	0.23906461	2.5711408	21	—	—
345473 2006 HP_{26}	16.5	X	323.60057	50.01902	82.18688	14.44356	0.1380582	0.23871432	2.5736554	21	—	—
345474 2006 HE_{35}	17.0	X	247.43873	155.87654	50.19967	4.65797	0.1905943	0.23693061	2.5865563	21	—	—
345475 2006 HV_{36}	17.9	X	237.59080	198.08021	69.29530	27.28239	0.0461230	0.37366781	1.9090278	21	—	—
345476 2006 HM_{48}	18.7	X	160.04459	256.72819	85.32015	2.62207	0.0507534	0.37535137	1.9033152	21	—	—
345477 2006 HH_{63}	17.1	X	297.15233	320.84441	201.99668	5.89174	0.1796433	0.24057624	2.5603592	21	—	—
345478 2006 HU_{67}	17.1	X	91.72314	217.35403	30.09279	2.21467	0.0195732	0.21505767	2.7590914	21	9 21.8	20.9
345479 2006 HN_{76}	16.1	X	22.29790	200.10955	118.46369	13.85165	0.1480504	0.21123096	2.7923146	21	10 14.3	19.7
345480 2006 HY_{80}	16.7	X	247.97845	260.46896	229.72710	11.45827	0.0558338	0.22365278	2.6879417	21	10 31.2	20.4
345481 2006 HN_{83}	16.2	X	23.77743	264.31047	72.07065	10.14483	0.0615262	0.21706946	2.7420175	21	10 26.8	19.8
345482 2006 HT_{88}	16.1	X	156.77570	180.67903	72.47951	15.04426	0.2075918	0.22583360	2.6706092	21	12 13.7	20.6
345483 2006 HG_{91}	16.8	X	313.17685	54.98737	73.69438	11.07085	0.0672918	0.23504770	2.6003515	21	—	—
345484 2006 HU_{98}	17.1	X	150.78377	177.34611	54.91711	9.95248	0.0152932	0.22302827	2.6929571	21	11 15.4	20.7
345485 2006 HL_{100}	17.1	X	341.93641	102.59314	239.20617	3.47949	0.0845443	0.21050395	2.7987399	21	8 25.1	20.4
345486 2006 HN_{101}	16.9	X	12.89769	214.22081	127.44565	4.73132	0.1131588	0.21471196	2.7620522	21	10 21.8	20.2
345487 2006 HP_{103}	16.5	X	351.59345	209.22594	159.93476	14.88286	0.1962851	0.21432863	2.7653446	21	10 31.5	19.4
345488 2006 HY_{110}	16.8	X	42.29417	286.04263	103.37344	4.65417	0.0555583	0.23197057	2.6232970	21	—	—
345489 2006 HO_{119}	16.6	X	31.88006	209.25931	203.67801	14.67366	0.1205572	0.23568327	2.5956744	21	—	—
345490 2006 JV	17.3	X	134.74955	351.71247	256.47115	1.70593	0.1231195	0.22314148	2.6920462	21	11 18.9	21.5
345491 2006 JF_{1}	17.0	X	49.90120	311.16218	122.89041	2.41752	0.1164821	0.24675668	2.5174263	21	—	—
345492 2006 JY_{1}	16.1	X	263.10379	342.62022	219.47679	14.08887	0.0526199	0.23912700	2.5706936	21	—	—
345493 2006 JY_{2}	16.7	X	32.62729	193.75897	220.34232	8.66505	0.0516045	0.23632991	2.5909374	21	—	—
345494 2006 JK_{11}	17.0	X	32.23686	111.98271	249.12371	4.72002	0.0369224	0.22411849	2.6842168	21	12 3.5	20.3
345495 2006 JS_{11}	16.6	X	268.51283	123.19305	75.96996	13.46084	0.0342152	0.23815084	2.5777134	21	—	—
345496 2006 JO_{16}	16.7	X	228.86577	109.07232	71.17610	6.13626	0.2367625	0.23118885	2.6292070	21	11 18.9	20.7
345497 2006 JU_{28}	16.9	X	250.87989	357.87971	205.79477	11.06137	0.1196835	0.23759422	2.5817378	21	—	—
345498 2006 JX_{29}	16.8	X	125.62169	171.49779	119.22616	4.60445	0.1123331	0.22752235	2.6573780	21	12 31.6	21.0
345499 2006 JF_{32}	16.9	X	291.53375	280.50078	183.27398	6.05242	0.1244176	0.22763705	2.6564853	21	11 20.5	20.0
345500 2006 JB_{35}	16.7	X	28.12806	162.67436	167.58706	5.01222	0.1276569	0.21548272	2.7554619	21	10 31.5	20.1
345501 2006 JH_{37}	16.2	X	34.49363	227.60372	74.75547	8.03374	0.2431476	0.21261021	2.7802252	21	10 23.4	19.6
345502 2006 JW_{40}	16.4	X	43.77563	231.25266	77.39907	4.78261	0.0683751	0.21699873	2.7426133	21	10 17.7	19.9
345503 2006 JJ_{44}	16.4	X	340.35524	292.90197	72.42966	7.62303	0.0177041	0.21597747	2.7512523	21	10 1.2	20.1
345504 2006 JU_{48}	15.9	X	130.20197	19.31481	232.34724	12.84037	0.0563709	0.22110956	2.7085137	21	11 16.1	19.7
345505 2006 JO_{53}	16.4	X	298.80227	94.67708	67.67417	12.66727	0.1167951	0.23761834	2.5815631	21	—	—
345506 2006 JG_{54}	16.1	X	30.62593	118.09765	215.12996	11.50405	0.1729049	0.21799087	2.7342854	21	11 14.6	19.4
345507 2006 JT_{55}	16.3	X	115.70867	107.99186	139.10920	12.17860	0.0880379	0.21939657	2.7225936	21	10 31.9	20.6
345508 2006 JX_{67}	16.7	X	335.31649	8.79981	37.48668	5.02857	0.0275256	0.22189269	2.7021372	21	11 13.0	20.0
345509 2006 JV_{80}	16.7	X	157.60896	154.19896	74.26769	2.89929	0.0224289	0.22330877	2.6907015	21	11 18.9	20.4
345510 2006 KG	18.1	X	45.66908	286.80422	224.44943	19.84030	0.1199161	0.38795263	1.8618738	21	1 24.2	20.0
345511 2006 KR_{2}	15.4	X	323.16067	29.65212	171.85673	17.52260	0.1307558	0.18529291	3.0471712	21	1 17.5	19.8
345512 2006 KW_{14}	16.2	X	206.79152	130.28460	101.23698	14.00647	0.1418268	0.23331495	2.6132102	21	—	—
345513 2006 KE_{25}	16.5	X	44.77355	284.49518	69.39550	4.47184	0.1187512	0.22221529	2.6995213	21	12 21.9	20.2
345514 2006 KU_{32}	16.7	X	33.61457	229.84216	77.64969	4.64223	0.0735689	0.21304194	2.7764678	21	10 2.5	20.3
345515 2006 KS_{40}	18.4	X	120.53112	57.30139	33.62306	21.76518	0.0534830	0.39170256	1.8499718	21	3 26.3	20.3
345516 2006 KT_{46}	17.3	X	168.40086	120.88193	116.99358	2.74020	0.0724642	0.22607460	2.6687109	21	12 11.5	21.3
345517 2006 KS_{51}	16.7	X	180.10206	316.52476	221.49848	11.83093	0.0530872	0.21811124	2.7332793	21	10 8.7	20.8
345518 2006 KT_{56}	16.9	X	354.47715	259.48184	207.92511	8.10427	0.1227205	0.23896367	2.5718648	21	—	—
345519 2006 KA_{58}	16.8	X	312.73297	61.63619	79.08110	14.24105	0.1191288	0.23691381	2.5866785	21	—	—
345520 2006 KG_{69}	16.1	X	53.52604	5.59684	165.81196	11.36996	0.0644500	0.19643133	2.9308632	21	4 29.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345521 2006 KK_{72}	16.5	X	22.15627	250.64466	112.13199	7.34863	0.0441395	0.22096522	2.7096931	21	11 24.4	20.0
345522 2006 KN_{73}	16.0	X	187.08387	214.37816	159.96563	10.08816	0.0919498	0.18641246	3.0349585	21	3 26.9	20.8
345523 2006 KP_{88}	16.6	X	327.13621	280.00710	120.48259	17.58490	0.1022979	0.21640654	2.7476145	21	10 31.3	20.2
345524 2006 KM_{102}	16.3	X	342.93597	261.21860	117.52823	10.79396	0.2498336	0.21286801	2.7779800	21	10 29.4	18.8
345525 2006 KQ_{108}	17.0	X	291.03679	122.14280	45.01989	5.55653	0.1227929	0.23948708	2.5681161	21	—	—
345526 2006 LT_{3}	16.2	X	67.26745	186.46699	150.80890	6.94016	0.0401129	0.22348581	2.6892804	21	12 18.5	20.0
345527 2006 LB_{5}	15.8	X	249.38870	246.72692	112.78824	11.39853	0.1204209	0.19460105	2.9492116	21	5 11.5	20.4
345528 2006 MG_{6}	17.1	X	248.84349	160.20373	107.21763	22.98733	0.0551968	0.36973456	1.9225428	21	—	—
345529 2006 NS	15.0	X	202.79000	58.46024	301.04292	19.14629	0.3219297	0.17652948	3.1472015	21	3 12.9	21.1
345530 2006 OC_{6}	16.1	X	294.34419	138.12335	134.73197	17.28869	0.3115600	0.18132145	3.0915049	21	2 18.6	20.9
345531 2006 OV_{12}	17.3	X	79.19380	219.65050	290.63142	19.58625	0.0703777	0.38391539	1.8749040	21	3 29.7	19.5
345532 2006 PF_{4}	16.0	X	262.52084	234.33421	112.74101	9.21303	0.2697133	0.18380161	3.0636314	21	4 25.2	21.1
345533 2006 QL_{9}	15.7	X	238.49682	169.93443	163.25340	17.85547	0.2251463	0.17620282	3.1510900	21	3 21.8	21.0
345534 2006 QQ_{27}	15.7	X	274.72948	22.31929	329.48682	9.24722	0.0861472	0.18432002	3.0578843	21	5 30.4	20.2
345535 2006 QX_{69}	16.3	X	175.72136	32.57099	356.04310	3.81374	0.0522043	0.17339173	3.1850564	21	3 29.9	20.9
345536 2006 QE_{77}	15.9	X	273.52260	181.07935	177.45506	18.04334	0.1786752	0.18411163	3.0601912	21	5 28.7	20.7
345537 2006 QK_{79}	16.0	X	235.87338	269.67120	154.88639	11.84965	0.1532181	0.18866860	3.0107149	21	7 9.9	20.8
345538 2006 QG_{83}	16.1	X	273.18373	352.44503	330.40234	11.18369	0.1330331	0.18179047	3.0861851	21	4 12.3	20.9
345539 2006 QU_{85}	16.9	X	288.85366	188.51091	136.25061	0.62357	0.1596907	0.18523410	3.0478160	21	5 4.7	21.3
345540 2006 QY_{99}	15.6	X	280.82508	339.99102	323.22728	16.07294	0.2532467	0.18065638	3.0990876	21	3 12.9	20.6
345541 2006 QN_{104}	15.9	X	295.46997	143.86069	160.77299	17.94585	0.1768818	0.18471595	3.0535131	21	4 19.1	20.4
345542 2006 QB_{105}	16.3	X	260.85675	221.99104	158.46353	5.47039	0.2323170	0.18664791	3.0324056	21	6 3.6	21.1
345543 2006 QT_{112}	15.8	X	234.16058	70.46773	316.09671	15.12149	0.2925449	0.18145090	3.0900343	21	5 8.7	21.5
345544 2006 QW_{134}	15.5	X	269.78276	60.42582	295.24626	10.17096	0.1422373	0.18507082	3.0496085	21	5 21.5	20.1
345545 2006 QC_{147}	16.1	X	52.83960	176.30362	347.45556	10.12505	0.0717058	0.17561922	3.1580671	21	4 14.9	20.4
345546 2006 QE_{148}	16.3	X	261.16697	214.72461	119.28060	2.36654	0.1849951	0.17905026	3.1175930	21	4 13.9	21.2
345547 2006 QB_{184}	16.5	X	268.85555	355.01292	333.50662	2.03337	0.0904698	0.17879595	3.1205485	21	4 24.4	21.1
345548 2006 QS_{187}	15.6	X	238.18424	255.16363	136.21421	11.45925	0.1022316	0.18419198	3.0593012	21	6 8.3	20.3
345549 2006 RR_{4}	15.5	X	142.71746	351.17692	4.62618	12.80635	0.2209599	0.15946689	3.3678730	21	2 6.8	21.0
345550 2006 RP_{13}	15.9	X	126.65306	239.87259	230.16250	10.04867	0.0803273	0.18066595	3.0989782	21	5 16.6	20.3
345551 2006 RV_{15}	15.9	X	240.06289	184.69807	196.10043	18.59204	0.1811048	0.18173652	3.0867958	21	5 20.8	21.0
345552 2006 RW_{16}	15.8	X	245.00505	216.79465	122.85775	5.89729	0.2830105	0.17841839	3.1249493	21	3 31.5	21.2
345553 2006 RW_{21}	15.5	X	283.37848	118.31363	237.38993	20.76705	0.0635860	0.18601453	3.0392853	21	6 18.6	19.9
345554 2006 RT_{31}	16.6	X	193.85600	24.57853	18.33869	1.67446	0.0925657	0.17498334	3.1657132	21	5 6.1	21.3
345555 2006 RT_{32}	16.0	X	241.63607	133.25609	200.54701	28.39165	0.3615348	0.17727208	3.1384062	21	3 13.5	22.0
345556 2006 RR_{36}	15.5	X	276.23937	12.62084	314.67275	11.10913	0.0643671	0.18122502	3.0926013	21	5 1.3	20.1
345557 2006 RZ_{40}	16.2	X	244.12716	45.17613	266.89706	9.10070	0.2021084	0.17505743	3.1648200	21	2 25.8	21.5
345558 2006 RP_{42}	16.1	X	209.83974	40.31116	26.73407	1.05450	0.1704832	0.17971350	3.1099179	21	6 17.7	21.1
345559 2006 RK_{61}	15.0	X	232.81818	75.02343	282.30549	20.72462	0.2539797	0.17712615	3.1401297	21	3 31.9	20.8
345560 2006 RK_{64}	16.5	X	274.88650	136.61768	177.46838	10.97161	0.2339678	0.18056050	3.1001845	21	3 28.8	21.2
345561 2006 RG_{69}	15.7	X	310.71377	245.19172	357.02558	10.10648	0.0907693	0.17024538	3.2241791	21	3 3.8	20.1
345562 2006 RO_{71}	16.1	X	181.34911	80.49483	2.01191	14.56193	0.1943776	0.17749132	3.1358213	21	6 9.7	21.6
345563 2006 RY_{74}	16.9	X	200.44832	2.78162	75.68344	0.55251	0.1579095	0.18062415	3.0994562	21	6 23.6	22.0
345564 2006 RG_{77}	16.1	X	171.57652	246.79645	171.68727	6.91188	0.0698514	0.17384886	3.1794706	21	5 3.7	20.9
345565 2006 RC_{80}	16.4	X	223.82655	251.89124	157.95890	3.83207	0.1746497	0.18082913	3.0971135	21	6 9.6	21.4
345566 2006 RL_{81}	16.0	X	215.89536	254.17287	179.50959	15.34072	0.2245068	0.18186096	3.0853876	21	6 27.8	21.5
345567 2006 RV_{81}	16.8	X	242.75808	220.24182	164.95413	1.75683	0.1800482	0.18125941	3.0922102	21	5 27.7	21.6
345568 2006 RH_{85}	15.9	X	146.02388	93.83874	8.59638	3.67829	0.0919555	0.17600181	3.1534888	21	5 29.1	20.7
345569 2006 RN_{92}	16.6	X	222.92474	192.23221	202.63015	5.55039	0.1711328	0.17807306	3.1289880	21	5 22.2	21.7
345570 2006 RE_{100}	15.7	X	203.26352	114.05109	293.21849	8.19407	0.1037342	0.17951825	3.1121724	21	5 19.2	20.6
345571 2006 RR_{103}	16.2	X	251.36977	297.36931	80.12098	11.27757	0.0537129	0.17918852	3.1159891	21	6 9.8	20.6
345572 2006 RW_{104}	16.0	X	358.04929	231.40544	20.81486	9.68336	0.0347808	0.17670978	3.1450604	21	5 20.9	20.3
345573 2006 RS_{112}	15.8	X	13.82279	197.94668	17.03871	7.55818	0.0768282	0.17407697	3.1766925	21	4 26.2	19.8
345574 2006 RN_{117}	16.1	X	74.37786	348.46052	179.11683	4.87345	0.0587062	0.17533219	3.1615129	21	5 22.7	20.5
345575 2006 SP	16.0	X	256.35219	174.60936	205.09651	15.57427	0.2221018	0.18322100	3.0701002	21	5 30.3	21.0
345576 2006 SU_{7}	15.8	X	245.36694	20.64010	337.91754	8.48309	0.0962722	0.17924829	3.1152964	21	5 1.8	20.6
345577 2006 SD_{8}	15.3	X	234.34372	174.30672	214.38674	12.60957	0.0672586	0.17929574	3.1147467	21	6 2.8	20.0
345578 2006 SZ_{15}	15.7	X	223.36857	68.03459	345.53685	7.12922	0.1712043	0.18079588	3.0974932	21	6 13.0	20.8
345579 2006 SU_{17}	15.9	X	202.83794	29.68532	343.71153	7.86528	0.0597284	0.17182058	3.2044433	21	4 7.9	20.7
345580 2006 SG_{20}	15.8	X	254.83338	42.27436	329.76867	16.46080	0.1821545	0.18238900	3.0794297	21	5 17.9	20.9
345581 2006 SG_{27}	15.2	X	301.47597	355.54175	331.20686	8.81899	0.0623660	0.18251662	3.0779940	21	6 6.4	19.5
345582 2006 SL_{29}	16.1	X	126.52681	288.57351	199.29689	10.95593	0.0505400	0.18418512	3.0593772	21	6 4.9	20.7
345583 2006 SS_{38}	16.4	X	184.92539	144.43242	273.71240	3.78534	0.1127527	0.17510179	3.1642855	21	5 15.3	21.5
345584 2006 SX_{46}	15.6	X	196.66730	169.17822	208.16314	6.72067	0.1657337	0.17277527	3.1926281	21	4 7.9	20.8
345585 2006 SQ_{49}	15.6	X	306.63842	160.56775	287.15695	14.21170	0.1044580	0.20535018	2.8453738	21	11 16.6	19.3
345586 2006 SC_{51}	15.7	X	254.52324	117.90493	214.65960	11.16027	0.0441216	0.17567256	3.1574278	21	4 19.1	20.2
345587 2006 SJ_{56}	15.7	X	226.69607	317.10033	57.43029	17.08086	0.2112568	0.17553811	3.1590399	21	5 1.5	21.0
345588 2006 SA_{58}	15.6	X	223.64494	214.18406	247.54457	9.61961	0.0951616	0.19498481	2.9453406	21	8 14.9	20.1
345589 2006 SJ_{63}	15.7	X	209.49389	348.53714	49.16348	10.60531	0.2394688	0.17514636	3.1637487	21	5 10.9	21.2
345590 2006 SN_{66}	15.8	X	187.58563	238.37986	185.67540	11.36748	0.0928918	0.17766111	3.1338230	21	5 27.2	20.8
345591 2006 SF_{70}	16.5	X	186.97877	310.74150	133.51283	1.76135	0.1343317	0.17727156	3.1384123	21	6 18.8	21.5
345592 2006 SC_{72}	16.6	X	203.10405	280.35612	140.49530	2.04284	0.1718672	0.17613555	3.1518924	21	6 4.6	21.9
345593 2006 SG_{75}	15.8	X	236.30394	211.12956	133.05033	2.31145	0.1653202	0.17269729	3.1935891	21	4 4.8	21.0
345594 2006 SV_{82}	16.0	X	210.20599	61.20576	22.18035	10.64894	0.1101251	0.18276882	3.0751618	21	7 13.2	21.0
345595 2006 SQ_{89}	16.1	X	251.02310	140.56296	205.10990	9.15519	0.0900695	0.17461037	3.1702197	21	4 27.1	20.7
345596 2006 SP_{95}	16.6	X	207.32163	246.93214	140.82544	1.66354	0.1925832	0.17272135	3.1932925	21	4 29.7	21.9
345597 2006 SK_{99}	15.6	X	307.79952	69.64722	201.96569	16.34134	0.0884400	0.17165858	3.2064591	21	4 2.8	20.1
345598 2006 SN_{102}	16.0	X	169.04201	87.53734	6.36817	11.37176	0.0396899	0.17959084	3.1113337	21	6 9.1	20.7
345599 2006 SE_{118}	16.0	X	183.66427	79.67060	20.57821	9.87464	0.2118835	0.17743035	3.1365396	21	7 5.8	21.5
345600 2006 SJ_{121}	16.2	X	210.38869	72.70747	0.66548	20.98916	0.3139140	0.17831743	3.1261287	21	6 19.7	22.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345601 2006 SR_{125}	15.9	X	248.31272	257.84029	113.59542	11.16445	0.2031555	0.18014839	3.1049108	21	5 17.3	21.0
345602 2006 SC_{132}	15.5	X	200.65624	96.88878	309.78604	9.47512	0.1832745	0.17539665	3.1607381	21	5 13.3	21.0
345603 2006 SC_{139}	16.0	X	220.66840	95.24220	292.18086	8.39193	0.1229010	0.17850170	3.1239768	21	5 10.9	21.0
345604 2006 SH_{155}	16.0	X	198.25790	282.65640	145.81681	23.13651	0.2188024	0.17747277	3.1360398	21	6 12.1	21.8
345605 2006 SM_{165}	16.0	X	20.19899	16.18156	210.62677	9.03726	0.1233499	0.18059152	3.0998296	21	5 25.2	19.8
345606 2006 SU_{165}	16.5	X	274.64962	129.96300	202.76767	9.61177	0.0708060	0.17968130	3.1102893	21	5 11.2	20.9
345607 2006 SP_{171}	16.2	X	255.04993	155.92561	300.82788	1.03753	0.0641450	0.19600919	2.9350698	21	9 22.8	20.4
345608 2006 SD_{178}	16.6	X	142.99121	320.87912	146.52761	1.37425	0.1520369	0.17611658	3.1521186	21	6 6.5	21.5
345609 2006 SN_{182}	15.7	X	220.12464	214.78293	187.68554	11.89673	0.1293084	0.17879664	3.1205404	21	5 31.8	20.8
345610 2006 SV_{191}	16.0	X	80.81343	328.54648	182.20862	12.70104	0.1343091	0.17319893	3.1874197	21	5 22.0	20.5
345611 2006 SF_{205}	16.2	X	285.11990	161.62514	189.37852	11.06534	0.0802483	0.18352707	3.0666859	21	6 14.6	20.7
345612 2006 SS_{205}	16.7	X	351.42879	313.24443	323.08844	0.61492	0.0214155	0.18159184	3.0884352	21	6 14.6	21.0
345613 2006 SC_{207}	16.1	X	247.41017	50.96341	271.15468	4.16209	0.1770827	0.17161708	3.2069760	21	3 16.3	21.4
345614 2006 SZ_{209}	16.2	X	86.20289	96.34694	35.79848	2.80423	0.0514900	0.17126376	3.2113852	21	4 21.6	20.6
345615 2006 SV_{213}	15.9	X	247.21363	206.40725	203.65377	16.69793	0.2022923	0.18525084	3.0476325	21	6 27.4	21.0
345616 2006 SF_{215}	15.4	X	314.71504	264.96569	34.99764	10.58206	0.0470752	0.17875054	3.1210769	21	5 22.1	19.7
345617 2006 SP_{226}	16.1	X	226.09562	138.56999	219.71756	8.26121	0.0853887	0.17438352	3.1729685	21	4 14.9	21.0
345618 2006 SC_{228}	16.8	X	190.41479	64.68949	341.38766	8.26994	0.1039885	0.17469878	3.1691501	21	5 3.6	21.9
345619 2006 SA_{242}	16.7	X	153.47027	343.30073	117.81198	2.14700	0.1779695	0.17535871	3.1611940	21	6 10.0	21.8
345620 2006 SX_{244}	16.0	X	258.76773	313.84447	33.10206	5.95143	0.1485374	0.17882222	3.1202428	21	4 29.5	20.7
345621 2006 SV_{247}	16.6	X	210.94621	48.28673	27.69667	2.95123	0.0900891	0.18410116	3.0603073	21	7 4.3	21.3
345622 2006 SX_{253}	16.4	X	95.30830	350.10584	174.66316	1.73328	0.1146604	0.17824692	3.1269531	21	6 22.2	20.9
345623 2006 SV_{258}	16.2	X	233.74474	124.65074	202.37845	17.29453	0.0565901	0.16828564	3.2491619	21	3 17.5	21.1
345624 2006 SY_{265}	15.8	X	279.36162	91.07161	245.25188	5.12390	0.1505951	0.17856101	3.1232850	21	5 8.8	20.2
345625 2006 SM_{283}	16.0	X	245.13579	199.81652	169.37406	11.36412	0.2371027	0.17800183	3.1298227	21	5 8.3	21.3
345626 2006 SO_{283}	15.3	X	251.80563	2.94125	43.59976	18.83346	0.2199041	0.18253168	3.0778247	21	6 26.2	20.4
345627 2006 SE_{287}	15.8	X	248.89135	109.53029	245.93886	14.54338	0.2181059	0.17880905	3.1203960	21	4 21.6	21.0
345628 2006 SO_{300}	16.4	X	199.46915	299.07705	92.91894	4.78284	0.2202507	0.17356313	3.1829592	21	4 28.9	21.8
345629 2006 SV_{300}	15.7	X	210.19274	58.92097	345.49157	3.88428	0.1448144	0.17642911	3.1483950	21	5 21.7	20.8
345630 2006 SJ_{310}	15.7	X	92.18081	352.38969	208.21827	10.27721	0.0388663	0.18457517	3.0550655	21	7 20.9	20.2
345631 2006 SU_{311}	15.8	X	339.61100	36.71869	205.89989	16.40754	0.1703416	0.17463459	3.1699266	21	3 31.1	19.6
345632 2006 SM_{313}	15.7	X	294.06396	130.46472	182.13934	10.38650	0.1045495	0.17837688	3.1254341	21	5 6.3	20.1
345633 2006 SS_{314}	16.2	X	348.78659	211.67168	42.99733	4.69522	0.1028247	0.17729959	3.1380815	21	5 9.0	20.0
345634 2006 SD_{322}	16.1	X	251.63059	307.75674	33.54106	9.67577	0.0821723	0.17501093	3.1653806	21	4 22.8	20.8
345635 2006 SV_{338}	15.9	X	208.76322	358.56841	31.91091	9.89925	0.0956366	0.17515606	3.1636319	21	5 5.2	20.9
345636 2006 SJ_{349}	16.0	X	211.62746	15.46260	37.24018	10.89858	0.2256269	0.17746576	3.1361223	21	5 29.1	21.4
345637 2006 SE_{350}	16.3	X	130.47463	253.62023	209.63066	10.21666	0.0064048	0.17568710	3.1572536	21	5 4.7	20.8
345638 2006 SN_{354}	15.9	X	212.41358	335.53411	68.74570	16.07493	0.2747638	0.17546008	3.1599763	21	5 20.9	21.5
345639 2006 SX_{364}	15.5	X	164.58241	120.21765	344.15181	9.25360	0.0780186	0.17924913	3.1152867	21	6 20.4	20.4
345640 2006 SJ_{365}	15.6	X	170.51072	92.01745	38.60609	16.56605	0.2031110	0.18053620	3.1004627	21	8 5.6	21.2
345641 2006 SV_{373}	16.4	X	256.57743	221.74558	108.97903	4.14576	0.0696049	0.17480602	3.1678538	21	4 18.7	21.0
345642 2006 SE_{374}	16.2	X	151.31416	353.21321	112.79875	6.42595	0.1784884	0.17425824	3.1744890	21	6 14.3	21.5
345643 2006 ST_{383}	15.8	X	180.70781	330.59603	141.10755	7.25568	0.2181804	0.17895477	3.1187019	21	7 15.6	21.1
345644 2006 SB_{385}	16.0	X	219.21430	325.76730	90.93050	11.62014	0.0593201	0.17908048	3.1172422	21	6 21.0	20.6
345645 2006 SC_{385}	15.5	X	215.36554	309.06606	97.96153	11.82248	0.0527831	0.17687362	3.1431180	21	6 6.1	20.1
345646 2006 TN	19.9	X	88.35216	131.62823	24.33098	17.27386	0.3452181	0.50505941	1.5616166	21	7 4.4	21.5
345647 2006 TV_{4}	16.0	X	174.44844	289.32652	172.29623	13.59242	0.2677221	0.17573458	3.1566848	21	6 29.2	21.8
345648 2006 TZ_{6}	15.9	X	51.63279	353.19914	205.50899	8.92019	0.0211303	0.17516992	3.1634649	21	5 27.3	20.3
345649 2006 TD_{7}	16.0	X	334.27620	62.35248	245.14993	10.93072	0.1766307	0.18677851	3.0309919	21	6 17.5	19.4
345650 2006 TZ_{14}	15.6	X	270.10722	281.16326	13.92898	13.73317	0.1912752	0.17201013	3.2020888	21	3 10.5	20.6
345651 2006 TV_{20}	15.7	X	256.32461	326.68137	41.92112	9.79286	0.1230878	0.17771252	3.1332186	21	5 25.6	20.5
345652 2006 TJ_{22}	15.7	X	227.69393	339.13794	50.87867	9.58438	0.0802688	0.17501897	3.1652837	21	5 25.8	20.6
345653 2006 TH_{31}	15.8	X	303.86675	101.19353	211.68443	14.89568	0.1142169	0.17797366	3.1301529	21	5 17.3	20.0
345654 2006 TS_{41}	16.1	X	203.75334	324.78219	65.07903	6.35233	0.1959759	0.17301325	3.1896998	21	4 29.8	21.4
345655 2006 TE_{60}	15.3	X	15.48432	15.29130	236.23453	14.69224	0.1139485	0.17613145	3.1519412	21	6 17.9	19.2
345656 2006 TF_{68}	15.5	X	195.24621	38.18240	1.58532	17.13788	0.0384413	0.17322377	3.1871149	21	4 28.2	20.4
345657 2006 TD_{73}	17.9	X	216.83764	59.35908	329.86364	5.79524	0.1239149	0.30802731	2.1714170	21	4 30.9	21.1
345658 2006 TZ_{77}	16.8	X	226.92946	152.91603	225.48773	9.85587	0.2436991	0.17601658	3.1533124	21	5 1.3	22.2
345659 2006 TM_{82}	16.0	X	199.18076	177.03429	240.73247	7.94151	0.0921194	0.17437339	3.1730913	21	5 30.1	20.8
345660 2006 TK_{92}	15.9	X	170.61786	41.04096	57.08846	5.96098	0.1252523	0.17506713	3.1647031	21	6 19.9	20.9
345661 2006 TH_{103}	15.6	X	187.35923	230.60628	221.01310	9.72840	0.0847989	0.17778802	3.1323315	21	6 27.7	20.5
345662 2006 TF_{117}	16.2	X	191.53786	254.16338	152.89053	11.18587	0.1038755	0.17230166	3.1984758	21	5 12.4	21.4
345663 2006 TP_{118}	16.1	X	117.17154	82.67141	65.01476	12.33900	0.0857209	0.17670823	3.1450788	21	6 22.0	20.8
345664 2006 TK_{128}	16.0	X	276.46291	274.88261	97.77854	8.79719	0.2714381	0.18543717	3.0455906	21	6 5.1	20.5
345665 2006 UX_{2}	16.0	X	170.91574	42.03857	51.53838	12.30054	0.2089386	0.17288308	3.1913007	21	6 15.5	21.5
345666 2006 UJ_{9}	15.5	X	310.48243	59.21910	220.46173	21.04199	0.0970770	0.16992662	3.2282099	21	4 14.8	20.1
345667 2006 US_{18}	18.9	X	62.95104	102.66656	229.51913	5.62511	0.0750028	0.33783957	2.0417178	21	—	—
345668 2006 UH_{20}	15.8	X	4.16500	9.67283	237.67728	4.32358	0.0837379	0.17648175	3.1477690	21	5 25.1	19.8
345669 2006 UM_{25}	15.7	X	278.41020	272.44584	23.38995	8.01944	0.1764240	0.17195629	3.2027571	21	3 19.4	20.5
345670 2006 UX_{26}	15.7	X	161.94144	73.84741	18.55976	4.94118	0.1440083	0.17253854	3.1955477	21	6 4.9	20.9
345671 2006 UL_{29}	16.1	X	287.57623	295.75039	25.68393	9.75070	0.0862205	0.17650704	3.1474683	21	5 8.1	20.5
345672 2006 UN_{56}	15.9	X	205.47011	209.79733	235.51146	9.63578	0.0780809	0.18595270	3.0399590	21	7 8.8	20.6
345673 2006 UT_{56}	15.8	X	319.26380	343.32730	296.39276	8.98668	0.0303206	0.17892561	3.1190407	21	5 2.8	20.3
345674 2006 UU_{67}	15.7	X	329.25519	256.44989	52.68524	10.67569	0.0687967	0.18137347	3.0909137	21	6 22.6	19.8
345675 2006 UQ_{68}	15.9	X	250.62763	280.25227	72.41320	6.79068	0.0980195	0.17433946	3.1735030	21	5 5.3	20.7
345676 2006 UK_{70}	15.7	X	270.29806	277.07300	44.74878	14.29691	0.1108386	0.17105614	3.2139832	21	4 19.4	20.4
345677 2006 UY_{73}	15.8	X	128.65557	268.47818	235.12988	8.35184	0.0798741	0.17749539	3.1357733	21	6 29.2	20.5
345678 2006 UQ_{97}	15.6	X	125.00014	81.51351	45.41516	19.86426	0.1080608	0.17145407	3.2090084	21	6 4.7	20.6
345679 2006 UL_{100}	16.5	X	194.90047	296.79545	113.44591	4.94389	0.1515480	0.17186015	3.2039515	21	5 17.2	21.7
345680 2006 UK_{109}	16.3	X	283.66131	104.49708	260.23363	8.45501	0.0768924	0.18668251	3.0320309	21	6 30.3	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345681 2006 UZ_{112}	16.4	X	154.12397	92.45351	10.37013	4.71342	0.1567249	0.17364476	3.1819616	21	6 11.0	21.6
345682 2006 UZ_{118}	16.6	X	278.16404	115.29907	204.78665	8.96784	0.0646057	0.17406248	3.1768687	21	4 30.5	21.1
345683 2006 UL_{119}	15.5	X	48.87469	12.99970	202.97009	9.89998	0.0240779	0.17748154	3.1359364	21	6 14.4	20.0
345684 2006 UX_{141}	18.2	X	80.70377	220.21538	2.77903	4.49061	0.0276332	0.31642723	2.1328164	21	8 13.2	20.5
345685 2006 UX_{146}	15.7	X	166.37547	155.63597	300.63148	9.62232	0.1553447	0.17880547	3.1204376	21	6 14.7	20.9
345686 2006 UT_{147}	16.2	X	275.00242	91.87683	226.21996	10.38633	0.1314098	0.17870523	3.1216045	21	4 12.7	20.9
345687 2006 UV_{149}	15.4	X	234.81854	267.47698	80.93473	18.06312	0.2913682	0.17396094	3.1781048	21	4 9.8	21.3
345688 2006 UG_{154}	16.3	X	212.46819	355.03861	36.74304	5.04482	0.1833617	0.17540563	3.1606303	21	5 7.8	21.4
345689 2006 UP_{162}	16.0	X	335.29399	244.31294	38.30485	15.40498	0.0352376	0.17790565	3.1309506	21	5 28.1	20.3
345690 2006 UG_{166}	16.2	X	263.80116	278.88596	64.23973	8.01431	0.0248506	0.17468820	3.1692780	21	5 16.9	20.5
345691 2006 UK_{169}	16.0	X	159.30129	42.56339	42.68734	18.03862	0.1065422	0.17188584	3.2036322	21	5 20.9	21.0
345692 2006 UT_{176}	15.7	X	298.40895	236.44137	88.78668	6.79763	0.1062365	0.18076822	3.0978091	21	5 26.7	19.8
345693 2006 UW_{186}	16.1	X	194.36237	95.40510	333.53094	15.24468	0.2526991	0.17578908	3.1560324	21	6 3.5	21.9
345694 2006 UU_{187}	15.8	X	185.36742	94.69440	355.80561	20.84603	0.2441380	0.17645087	3.1481362	21	6 25.6	21.7
345695 2006 UT_{188}	15.1	X	177.03632	207.22562	227.19739	27.46220	0.1956175	0.17363597	3.1820689	21	5 28.8	20.6
345696 2006 UN_{190}	14.9	X	191.68191	184.74569	249.50221	16.24656	0.1005552	0.17641670	3.1485427	21	6 11.2	19.8
345697 2006 UU_{222}	15.5	X	213.84727	53.08727	334.26246	8.41988	0.0996050	0.17517447	3.1634102	21	5 4.2	20.6
345698 2006 UN_{243}	16.4	X	190.37332	223.50237	199.55287	4.14573	0.1945355	0.17453918	3.1710817	21	5 27.4	21.7
345699 2006 UZ_{250}	16.5	X	99.03370	237.46750	241.11115	0.73801	0.2307774	0.16298949	3.3191712	21	5 15.8	21.5
345700 2006 UX_{263}	15.8	X	151.93687	192.77544	223.45969	7.00248	0.0387769	0.16801424	3.2526599	21	4 4.4	20.6
345701 2006 UZ_{331}	16.6	X	191.93442	245.26012	184.17814	12.62918	0.0897861	0.17786414	3.1314378	21	6 6.9	21.6
345702 2006 UL_{357}	16.3	X	128.17084	109.81874	6.70647	0.71792	0.0991250	0.16950873	3.2335135	21	5 28.7	21.0
345703 2006 UF_{359}	16.1	X	199.64634	99.15185	289.64966	4.07371	0.0827494	0.17134680	3.2103476	21	4 23.9	21.1
345704 2006 VE_{3}	17.6	X	275.56763	271.93123	27.58712	5.88967	0.1746546	0.30559313	2.1829326	21	3 5.3	20.7
345705 2006 VB_{14}	18.5	X	114.68512	346.44347	258.72320	31.02441	0.4211561	1.46746688	0.7669326	21	—	—
345706 2006 VX_{16}	15.5	X	315.84877	241.95459	44.18923	12.79169	0.0301102	0.17071250	3.2182949	21	5 9.8	19.9
345707 2006 VW_{51}	16.4	X	219.44245	296.22836	46.19260	1.78969	0.1511682	0.16953654	3.2331598	21	3 19.6	21.5
345708 2006 VH_{115}	15.7	X	245.17713	211.01380	197.43139	12.20734	0.0780911	0.18820955	3.0156084	21	7 6.9	20.3
345709 2006 VZ_{130}	15.4	X	249.60847	305.25313	83.73574	18.38570	0.2811903	0.17832447	3.1260464	21	5 31.2	20.6
345710 2006 VP_{140}	16.2	X	209.24970	345.23894	92.74501	2.68085	0.1601970	0.17519349	3.1631812	21	7 1.0	21.3
345711 2006 VC_{150}	15.5	X	172.97394	26.77761	69.58120	10.56694	0.0583843	0.17548293	3.1597021	21	6 18.5	20.2
345712 2006 VV_{170}	16.3	X	234.17963	145.25399	227.20735	4.88335	0.0743324	0.17226196	3.1989672	21	5 12.7	21.1
345713 2006 WC_{27}	15.8	X	200.29159	45.23546	67.69716	17.70280	0.1877564	0.17746155	3.1361720	21	8 7.9	21.3
345714 2006 WA_{73}	16.3	X	265.14756	282.83962	44.14787	4.90814	0.1608458	0.17144689	3.2090979	21	4 12.5	21.2
345715 2006 WF_{115}	15.4	X	168.63866	261.76066	72.21394	14.86743	0.2449624	0.15649015	3.4104475	21	2 3.7	21.4
345716 2006 WP_{178}	16.3	X	219.30074	344.02378	42.87218	5.06160	0.1260250	0.17430025	3.1739789	21	5 10.8	21.3
345717 2006 WD_{180}	16.0	X	220.48017	160.22857	263.73627	9.20129	0.1839142	0.17493105	3.1663441	21	6 22.7	21.2
345718 2006 XB_{6}	15.6	X	261.64594	264.77264	93.21248	21.84307	0.3239322	0.17787715	3.1312851	21	5 7.5	21.1
345719 2006 XT_{10}	14.9	X	121.85132	251.64113	283.24013	24.65602	0.1807292	0.16839659	3.2477345	21	8 2.2	20.3
345720 2006 XC_{44}	17.4	X	163.95702	124.98463	283.24093	7.04208	0.1038903	0.29776155	2.2210430	21	3 28.2	20.5
345721 2006 YZ_{51}	17.1	X	175.07574	315.12054	303.97166	7.68119	0.0674115	0.26078416	2.4263228	21	—	—
345722 2007 BG_{29}	18.2	X	225.27680	245.12764	60.97199	18.50599	0.3347340	1.29747271	0.8325377	21	—	—
345723 2007 BB_{40}	18.1	X	48.79832	99.71101	128.28571	1.90479	0.1316813	0.29878711	2.2159578	21	7 15.5	19.9
345724 2007 BW_{44}	17.6	X	51.87547	20.90168	153.31961	5.38558	0.1175644	0.28976789	2.2617046	21	4 25.5	19.7
345725 2007 BC_{61}	18.3	X	116.22239	202.19037	304.34525	5.36884	0.1012621	0.29959617	2.2119665	21	6 19.9	21.0
345726 2007 BH_{79}	17.9	X	236.53417	91.93154	159.49465	2.18774	0.1886397	0.26680939	2.3896556	21	—	—
345727 2007 CV_{17}	17.4	X	164.46205	118.98687	350.83234	4.87474	0.0901965	0.29969486	2.2114809	21	6 26.6	20.4
345728 2007 CF_{35}	17.0	X	129.84807	8.27745	127.67592	7.46386	0.0351698	0.29648841	2.2273967	21	6 14.7	19.8
345729 2007 CS_{43}	17.8	X	17.31466	40.76519	152.51101	5.95967	0.1032801	0.28495617	2.2870940	21	3 17.9	19.8
345730 2007 CZ_{43}	17.6	X	37.03782	6.34003	177.19454	3.19810	0.1584795	0.28642419	2.2792725	21	4 12.0	19.2
345731 2007 CV_{56}	17.3	X	91.67498	45.81251	139.30596	4.26204	0.0672380	0.29616381	2.2290239	21	7 7.0	19.8
345732 2007 CR_{65}	17.5	X	34.25465	29.04678	162.81412	6.66778	0.0484540	0.28912162	2.2650737	21	4 15.6	19.9
345733 2007 DB_{6}	17.4	X	337.65344	86.54128	146.56382	2.89471	0.1612897	0.28079198	2.3096504	21	2 26.1	19.5
345734 2007 DD_{11}	17.7	X	168.41507	215.98223	189.50605	5.40316	0.0829718	0.28691994	2.2766463	21	4 2.4	20.7
345735 2007 DV_{23}	17.8	X	358.21766	67.78542	155.65738	5.96708	0.1607235	0.28355063	2.2946457	21	3 22.0	19.7
345736 2007 DY_{45}	17.6	X	12.15830	252.86902	311.66798	3.86371	0.1052746	0.28397148	2.2923780	21	3 22.1	19.8
345737 2007 DZ_{52}	16.7	X	102.29721	239.36950	336.99140	12.20828	0.2064012	0.23136480	2.6278739	21	9 14.4	20.8
345738 2007 DB_{64}	17.1	X	218.18065	298.33327	351.00366	5.06162	0.2213841	0.26832648	2.3806398	21	1 3.2	21.2
345739 2007 DS_{67}	17.7	X	239.58980	150.18382	113.80165	2.24309	0.1592072	0.26732541	2.3865794	21	—	—
345740 2007 DN_{72}	17.8	X	205.43507	147.32669	133.32611	2.61344	0.2015658	0.26205441	2.4184757	21	—	—
345741 2007 DC_{93}	17.4	X	53.23871	49.45834	150.41662	6.65634	0.0552507	0.29243636	2.2479249	21	5 29.5	19.9
345742 2007 DJ_{105}	17.9	X	131.39935	135.78153	25.40472	4.42563	0.0976090	0.29824376	2.2186484	21	7 31.7	20.9
345743 2007 DC_{106}	18.2	X	246.01733	89.08098	177.08152	3.96557	0.2067700	0.26701490	2.3884293	21	—	—
345744 2007 DU_{111}	16.9	X	94.40594	346.04686	12.31845	6.32870	0.1027291	0.25785793	2.4446445	21	—	—
345745 2007 DT_{113}	17.4	X	349.87904	65.87875	174.52963	6.36786	0.0672287	0.28658294	2.2784307	21	4 12.9	19.7
345746 2007 EA_{3}	17.5	X	319.26605	182.30547	61.56242	2.83362	0.1516980	0.27836166	2.3230743	21	2 17.1	20.2
345747 2007 EE_{5}	18.3	X	112.73027	331.73090	174.93955	2.38291	0.1212301	0.29512214	2.2342659	21	6 18.4	21.0
345748 2007 EV_{10}	17.8	X	217.14389	121.17515	319.26188	3.56493	0.1112065	0.30390010	2.1910325	21	7 16.5	20.6
345749 2007 EN_{15}	17.6	X	119.98625	309.01794	163.09506	6.25075	0.1098612	0.28680502	2.2772544	21	5 9.9	20.5
345750 2007 EF_{28}	16.9	X	22.94926	244.67079	174.57457	14.40464	0.0402231	0.25974317	2.4328012	21	—	—
345751 2007 EL_{39}	17.6	X	155.61991	139.44830	18.86326	4.19943	0.1076864	0.30358615	2.1925428	21	8 25.9	20.5
345752 2007 EW_{42}	17.5	X	296.56901	70.19032	157.72949	2.53279	0.1522539	0.26975634	2.3722199	21	—	—
345753 2007 EZ_{55}	13.7	X	340.74220	271.77982	17.97926	12.82663	0.1515819	0.08350120	5.1841105	21	6 10.2	20.0
345754 2007 EC_{62}	17.7	X	165.92740	38.47465	113.19473	2.60610	0.0832479	0.30367674	2.1921067	21	8 27.5	20.5
345755 2007 EU_{64}	18.0	X	177.92249	34.29902	43.89850	2.90248	0.2502203	0.29638017	2.2279389	21	5 31.9	21.8
345756 2007 ER_{69}	17.7	X	313.45195	109.68236	102.96774	2.34443	0.0907280	0.27150669	2.3620134	21	1 7.9	20.5
345757 2007 EV_{69}	17.6	X	225.34348	265.17779	150.83638	5.40202	0.1328154	0.29702502	2.2247132	21	6 19.5	20.7
345758 2007 EY_{75}	17.7	X	342.35931	196.31641	6.63841	1.49725	0.1364871	0.27462428	2.3441034	21	1 27.3	20.1
345759 2007 EK_{81}	16.8	X	304.61140	147.08871	129.37057	6.93353	0.1343505	0.28103956	2.3082938	21	3 17.6	19.6
345760 2007 EB_{82}	16.7	X	291.20250	203.48457	41.36934	7.65895	0.0699263	0.27506697	2.3415876	21	1 27.2	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345761 2007 EH_{87}	16.3	X	313.16656	210.53779	24.22450	23.56384	0.2176482	0.27136733	2.3628220	21	1 28.1	20.1
345762 2007 EA_{88}	17.9	X	322.37717	69.69803	156.90646	1.77388	0.1341877	0.27573396	2.3378100	21	1 30.4	20.7
345763 2007 EQ_{88}	17.6	X	93.76066	123.71263	33.51910	3.51391	0.1342701	0.29217190	2.2492812	21	6 9.5	20.2
345764 2007 EO_{96}	17.6	X	328.22416	43.21100	191.85303	4.84093	0.1471681	0.27561889	2.3384606	21	2 15.9	20.2
345765 2007 ES_{96}	18.0	X	102.76530	170.94566	304.95451	0.91426	0.0924120	0.28250212	2.3003199	21	4 16.5	20.5
345766 2007 EH_{105}	18.0	X	198.81846	316.57075	162.62253	3.28967	0.1365486	0.30487445	2.1863618	21	8 16.4	20.9
345767 2007 EG_{108}	16.8	X	318.14033	186.96630	20.55903	11.66265	0.1453247	0.27058807	2.3673563	21	—	—
345768 2007 EW_{114}	18.2	X	62.78233	67.52220	102.44476	3.04613	0.1069758	0.28392766	2.2926139	21	5 7.1	20.4
345769 2007 EF_{118}	17.0	X	188.98613	276.44477	35.24899	8.46738	0.0420903	0.26372822	2.4082319	21	—	—
345770 2007 EG_{119}	17.6	X	320.27848	119.84085	91.38772	2.30692	0.1268750	0.27021680	2.3695242	21	1 9.9	20.5
345771 2007 ED_{127}	17.2	X	15.53011	67.70521	107.55314	5.21207	0.0954210	0.27999427	2.3140352	21	2 17.3	19.4
345772 2007 EP_{130}	17.9	X	258.48616	100.06177	170.58632	1.49892	0.1708280	0.27023056	2.3694438	21	1 13.9	21.7
345773 2007 EE_{132}	17.6	X	241.43630	348.59380	1.70587	7.44634	0.1367533	0.28468242	2.2885599	21	4 7.3	20.8
345774 2007 EO_{132}	17.9	X	349.27079	11.19839	169.32965	3.81318	0.1121618	0.27368417	2.3494683	21	1 9.7	20.5
345775 2007 EN_{133}	13.6	X	214.55567	35.28464	7.68588	8.61809	0.0822260	0.08494530	5.1251880	21	5 29.9	20.8
345776 2007 EN_{138}	17.9	X	41.71501	133.74789	49.57416	2.35512	0.1734989	0.28714716	2.2754451	21	4 23.6	19.5
345777 2007 EB_{140}	17.5	X	296.52209	310.35019	319.69071	6.04904	0.1227666	0.28145751	2.3060080	21	2 24.4	20.6
345778 2007 EZ_{156}	17.4	X	73.31380	58.54228	82.11173	4.06560	0.1506096	0.28206755	2.3026820	21	4 18.7	19.6
345779 2007 EJ_{166}	17.3	X	287.76823	205.85685	5.83634	5.89459	0.1751293	0.26451138	2.4034761	21	—	—
345780 2007 EW_{169}	17.2	X	357.33235	93.37093	142.02211	5.80238	0.1160537	0.28385817	2.2929880	21	4 15.1	19.4
345781 2007 EZ_{184}	17.1	X	15.25809	115.74897	128.76241	5.54809	0.0937988	0.28761800	2.2729611	21	6 3.3	19.3
345782 2007 ES_{192}	16.8	X	37.01626	278.16837	8.04349	13.75847	0.1595377	0.22999301	2.6383128	21	9 22.6	19.9
345783 2007 EW_{195}	16.8	X	107.31212	289.26924	36.22987	14.84909	0.2656654	0.24495959	2.5297237	21	—	—
345784 2007 EH_{197}	17.4	X	323.27588	7.28656	208.34804	3.24607	0.1388118	0.27176747	2.3605022	21	1 16.5	20.2
345785 2007 EN_{200}	17.7	X	139.57598	338.06614	151.56123	2.93763	0.1692692	0.29531820	2.2332769	21	6 30.8	21.0
345786 2007 EP_{223}	18.1	X	135.08300	32.79211	129.17824	1.23931	0.1447303	0.29895850	2.2151107	21	8 8.1	21.2
345787 2007 FD_{16}	17.0	X	16.12528	315.84270	257.57959	4.11400	0.0880503	0.28410587	2.2916550	21	4 13.4	19.3
345788 2007 FR_{19}	17.4	X	212.50608	140.94114	182.62537	2.86973	0.2589742	0.27129795	2.3632248	21	2 7.2	21.5
345789 2007 FX_{31}	17.7	X	40.12549	255.25929	291.08237	0.76174	0.1369130	0.28248098	2.3004347	21	4 21.4	19.6
345790 2007 GD	17.2	X	285.55311	111.60936	171.46249	7.04616	0.1198618	0.27744838	2.3281694	21	3 1.9	20.3
345791 2007 GC_{6}	17.5	X	300.38112	71.26464	157.97175	1.72064	0.1239093	0.26704537	2.3882476	21	1 9.8	20.7
345792 2007 GC_{7}	17.8	X	249.04877	286.82040	11.31066	3.92105	0.0926204	0.27379355	2.3488426	21	2 13.4	21.2
345793 2007 GD_{11}	17.2	X	198.41974	214.16209	57.20449	3.65151	0.1740320	0.25809788	2.4431291	21	—	—
345794 2007 GM_{17}	17.6	X	285.01610	270.40504	291.15370	1.56461	0.1445033	0.26088971	2.4256683	21	—	—
345795 2007 GA_{19}	17.6	X	132.69595	239.69390	31.88342	3.30527	0.1755054	0.24114705	2.5563172	21	12 18.4	21.8
345796 2007 GA_{24}	18.1	X	31.10102	327.78688	224.18609	1.36827	0.1452373	0.27927901	2.3179844	21	4 12.1	19.9
345797 2007 GK_{27}	17.5	X	90.84324	252.36466	64.15086	4.42237	0.2777378	0.23769196	2.5810300	21	—	—
345798 2007 GG_{28}	17.0	X	358.86514	354.74902	181.32017	9.35412	0.0406586	0.27137666	2.3627679	21	1 26.8	19.9
345799 2007 GO_{31}	18.0	X	93.48640	190.23192	308.39367	3.04973	0.0687173	0.28553449	2.2840047	21	4 30.6	20.6
345800 2007 GU_{31}	16.8	X	266.11996	238.86777	36.85766	7.66702	0.0915309	0.27236636	2.3570407	21	2 5.6	20.2
345801 2007 GJ_{36}	16.8	X	159.40274	270.15190	58.14953	7.62681	0.0850217	0.25961545	2.4335991	21	—	—
345802 2007 GU_{40}	17.1	X	276.33350	217.57564	42.07136	6.24390	0.1560534	0.26735161	2.3864235	21	1 20.7	20.7
345803 2007 GL_{41}	17.4	X	49.60620	248.24458	213.49622	11.55633	0.0767545	0.26621685	2.3932002	21	1 1.5	20.2
345804 2007 GH_{44}	18.6	X	143.85327	321.09408	176.96791	1.15192	0.1542124	0.29462322	2.2367875	21	7 15.7	21.7
345805 2007 GE_{48}	17.0	X	112.13871	251.27235	61.44348	7.24952	0.2887310	0.24079189	2.5588303	21	—	—
345806 2007 GB_{50}	17.4	X	58.23916	105.34163	92.04314	3.01727	0.1144005	0.28777285	2.2721457	21	6 10.9	19.6
345807 2007 GO_{52}	17.7	X	73.08591	92.34464	25.60094	5.50311	0.0817464	0.27470377	2.3436512	21	3 6.9	20.3
345808 2007 GY_{59}	17.2	X	61.97624	141.03526	24.70156	6.67536	0.0506865	0.28057485	2.3108418	21	4 20.3	19.7
345809 2007 GO_{60}	17.1	X	94.51090	60.53041	260.84238	2.29717	0.2366777	0.24137733	2.5546911	21	—	—
345810 2007 GW_{61}	17.6	X	208.99297	106.52080	143.32944	3.06238	0.1572452	0.25503372	2.4626592	21	—	—
345811 2007 GG_{75}	17.4	X	143.60329	76.69660	214.41181	12.32270	0.2653152	0.24485078	2.5304731	21	—	—
345812 2007 HF_{1}	16.9	X	295.98503	195.13082	40.77624	12.10461	0.1941473	0.26930081	2.3748943	21	1 6.2	20.6
345813 2007 HX_{4}	17.7	X	238.70996	14.52673	41.67264	56.55401	0.3317510	0.65176198	1.3174780	21	5 11.7	19.9
345814 2007 HA_{14}	17.5	X	182.75009	220.98213	187.98198	5.53809	0.0530669	0.28298523	2.2977011	21	4 24.1	20.5
345815 2007 HA_{17}	17.6	X	37.69349	31.37177	168.24695	5.62830	0.1064505	0.28518357	2.2858780	21	5 7.6	19.7
345816 2007 HA_{18}	17.4	X	331.84343	147.94131	97.21082	2.58573	0.2088283	0.27604733	2.3360404	21	2 27.9	19.8
345817 2007 HR_{19}	17.4	X	319.87321	136.39709	66.90629	2.36916	0.1247874	0.26769118	2.3844049	21	—	—
345818 2007 HU_{19}	17.0	X	271.64304	194.63337	49.88465	7.22623	0.0613453	0.26506025	2.4001570	21	1 4.2	20.4
345819 2007 HQ_{22}	18.0	X	22.88415	84.29448	100.14581	3.02131	0.1147811	0.27646949	2.3336618	21	3 16.7	20.2
345820 2007 HL_{26}	17.4	X	208.62133	208.55228	48.29907	4.93370	0.1515008	0.25442135	2.4666092	21	—	—
345821 2007 HC_{27}	17.1	X	216.47433	33.11518	219.26851	14.82052	0.2177800	0.25337995	2.4733632	21	—	—
345822 2007 HP_{55}	17.0	X	273.63165	189.65971	79.41643	7.52141	0.0966645	0.26952433	2.3735811	21	2 4.5	20.4
345823 2007 HV_{70}	16.1	X	348.14102	80.02267	214.04845	8.51013	0.2563293	0.21754295	2.7380374	21	6 18.7	18.4
345824 2007 HO_{76}	17.3	X	246.79065	159.79899	86.97930	5.43419	0.1926573	0.25977120	2.4326262	21	—	—
345825 2007 HN_{85}	17.0	X	288.74697	157.90205	97.99056	6.13186	0.0501088	0.26949536	2.3737511	21	2 10.5	20.0
345826 2007 HZ_{87}	16.2	X	61.34585	230.23317	122.25417	18.21174	0.2498717	0.23593719	2.5938117	21	—	—
345827 2007 HR_{92}	18.1	X	177.34517	206.67874	202.68551	2.16258	0.1508359	0.28113360	2.3077790	21	4 22.1	21.6
345828 2007 JK_{3}	17.1	X	268.01336	194.10639	74.16726	3.16984	0.1778154	0.26743576	2.3859228	21	1 20.6	20.7
345829 2007 JM_{10}	17.3	X	243.95352	19.98868	237.92962	4.59254	0.1188638	0.26055709	2.4277323	21	—	—
345830 2007 JX_{13}	17.3	X	263.69821	186.47048	54.18305	5.74265	0.1803075	0.26108578	2.4244537	21	—	—
345831 2007 JD_{19}	16.5	X	131.95428	136.45666	158.98498	15.33067	0.1398585	0.24305981	2.5428883	21	—	—
345832 2007 JE_{34}	16.8	X	248.11886	161.87386	103.84047	7.51042	0.1158451	0.26269054	2.4145698	21	1 2.0	20.4
345833 2007 KE_{3}	17.9	X	34.99534	62.60655	116.61886	2.82245	0.1565818	0.28162180	2.3051111	21	4 1.9	19.6
345834 2007 KK_{3}	17.5	X	153.36526	344.37311	277.64288	2.32857	0.1709487	0.24219465	2.5489404	21	12 24.9	21.5
345835 2007 KB_{7}	16.1	X	119.94773	185.81818	68.79587	8.79030	0.1579615	0.23387901	2.6090068	21	11 16.6	20.2
345836 2007 LO_{1}	17.4	X	340.23213	19.33514	184.90146	6.29716	0.1052104	0.26926007	2.3751338	21	1 29.9	20.2
345837 2007 LZ_{5}	16.9	X	141.68521	156.61019	129.57048	16.00516	0.1332690	0.24374734	2.5381042	21	—	—
345838 2007 LL_{18}	16.3	X	166.52467	244.23638	103.04997	11.54451	0.1838700	0.25170334	2.4843345	21	1 30.0	20.1
345839 2007 LW_{18}	16.8	X	107.00717	90.32095	175.57672	12.61821	0.2451111	0.23217346	2.6217685	21	11 24.6	21.4
345840 2007 LZ_{21}	16.7	X	71.68206	207.67384	159.26376	12.60468	0.2557878	0.24067442	2.5596628	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345841 2007 LD_{25}	16.7	X	162.06612	290.08755	75.54394	8.08408	0.1057091	0.26253862	2.4155012	21	2 9.9	20.2
345842 Alexparker	17.2	X	45.58195	259.86471	71.98135	5.98087	0.0711377	0.22342183	2.6897938	21	11 19.0	20.7
345843 2007 ML	16.9	X	99.02931	344.64602	116.98692	7.09593	0.0798715	0.27172443	2.3607514	21	3 25.3	19.8
345844 2007 MD_3	15.8	X	8.58975	101.18909	289.07276	23.81968	0.2185954	0.22640358	2.6661251	21	—	—
345845 2007 MJ_{27}	16.3	X	145.59990	208.74562	109.90535	8.66242	0.1561397	0.24344229	2.5402241	21	—	—
345846 2007 NU_1	16.7	X	100.13501	67.20459	248.93960	10.21066	0.1971553	0.23255450	2.6189039	21	—	—
345847 2007 OW_1	16.3	X	77.18863	233.30744	108.51652	13.42531	0.1491056	0.23188410	2.6239491	21	—	—
345848 2007 OX_2	16.3	X	112.39030	39.04569	264.06793	12.86248	0.2563788	0.23317690	2.6142415	21	—	—
345849 2007 OW_3	17.5	X	11.68746	67.45613	275.83083	1.95296	0.2135373	0.22060983	2.7126024	21	11 2.2	20.1
345850 2007 OS_7	16.9	X	33.25022	99.87488	213.20965	12.42010	0.2201865	0.21786437	2.7353437	21	10 29.8	20.1
345851 2007 PY_3	16.0	X	109.69439	277.50690	33.24629	13.95718	0.1916149	0.23512182	2.5998049	21	—	—
345852 2007 PT_6	16.6	X	22.44679	342.61794	19.60250	4.68986	0.1988538	0.22048817	2.7136001	21	12 13.8	19.8
345853 2007 PU_{11}	16.2	X	317.81063	195.00488	207.86721	13.77891	0.5507931	0.20724690	2.8279866	21	7 19.5	19.3
345854 2007 PK_{14}	16.3	X	52.56720	232.99815	116.72721	10.45691	0.1760503	0.22729357	2.6591609	21	—	—
345855 2007 PP_{14}	16.8	X	20.97095	204.93292	122.81800	9.80990	0.3111950	0.21775563	2.7362543	21	11 17.4	19.9
345856 2007 PA_{21}	16.1	X	41.98023	359.65504	325.96070	11.45584	0.2053208	0.21983165	2.7190002	21	11 21.9	20.0
345857 2007 PJ_{26}	17.0	X	30.12807	324.79328	343.36308	8.48697	0.2938819	0.21730076	2.7400714	21	10 26.6	20.3
345858 2007 PE_{28}	16.1	X	103.54838	333.21015	286.58901	11.96979	0.1995807	0.22396365	2.6854539	21	11 5.3	20.6
345859 2007 PB_{32}	17.1	X	322.74100	40.04789	336.95400	8.50654	0.3373447	0.21075906	2.7964810	21	8 14.1	19.1
345860 2007 PQ_{40}	16.2	X	148.85163	157.37273	142.51602	15.68710	0.1302394	0.23953847	2.5677488	21	—	—
345861 2007 PS_{46}	17.3	X	73.19411	123.97323	179.32025	1.30609	0.1220222	0.22138428	2.7062725	21	11 23.3	21.0
345862 2007 PU_{46}	17.3	X	314.87814	89.44686	339.83844	1.50939	0.1364301	0.21813814	2.7330546	21	11 8.1	20.3
345863 2007 PG_{47}	16.0	X	207.43881	337.70395	344.90304	9.21609	0.0743984	0.17927566	3.1149792	21	2 14.7	20.8
345864 2007 PF_{49}	15.6	X	160.56837	223.68648	156.16357	16.64163	0.0626279	0.18140192	3.0905905	21	3 3.7	20.2
345865 2007 QF	15.8	X	80.38135	8.43794	304.33599	12.61186	0.1799742	0.22650676	2.6653153	21	12 19.9	20.1
345866 2007 QP	16.0	X	15.61724	176.12565	133.02135	23.15508	0.2246889	0.21320743	2.7750309	21	9 30.4	19.2
345867 2007 QB_1	16.5	X	58.46142	64.65280	270.08255	11.76407	0.2818292	0.22538391	2.6741604	21	—	—
345868 2007 QE_2	16.6	X	341.67962	173.36827	240.91509	10.48080	0.1625448	0.21962817	2.7206793	21	12 9.1	19.4
345869 2007 QM_6	16.7	X	26.46733	22.23384	319.49214	4.22122	0.2358497	0.21963411	2.7206302	21	11 28.2	20.0
345870 2007 QO_6	16.4	X	219.87479	202.40133	157.22531	6.57911	0.1708532	0.18967947	3.0000086	21	4 7.8	21.3
345871 Xuguangxian	16.7	X	62.35692	166.18520	138.33878	5.15047	0.2069891	0.22235871	2.6983604	21	11 24.7	20.6
345872 2007 QS_9	16.0	X	77.21266	305.58342	338.47116	11.24886	0.2050115	0.22063333	2.7124098	21	11 9.0	20.4
345873 2007 QM_{11}	17.4	X	4.49506	160.77946	174.95086	1.88533	0.3214504	0.21404354	2.7677995	21	10 23.4	19.3
345874 2007 QD_{13}	16.9	X	312.92902	343.87732	77.05745	2.49369	0.1355736	0.21582125	2.7525798	21	10 25.1	19.8
345875 2007 QQ_{16}	15.8	X	58.19105	152.27290	151.39012	26.15773	0.0603082	0.22048160	2.7136540	21	11 3.7	20.0
345876 2007 RQ_6	17.0	X	71.23329	70.13410	242.93502	3.85657	0.1696786	0.22499936	2.6772064	21	12 9.2	21.0
345877 2007 RB_8	16.5	X	0.23716	1.39500	351.74183	3.29583	0.1091880	0.21205390	2.7850855	21	10 12.4	19.8
345878 2007 RN_{10}	16.1	X	24.00671	65.87145	311.04370	7.95003	0.1303876	0.22365604	2.6879156	21	12 26.5	19.5
345879 2007 RW_{12}	17.4	X	335.93605	86.27918	320.29580	1.81598	0.1892733	0.21715288	2.7413153	21	11 16.1	19.9
345880 2007 RQ_{27}	16.3	X	277.63170	344.63569	331.71852	9.86542	0.0928761	0.19329104	2.9625219	21	4 14.2	20.8
345881 2007 RT_{30}	16.1	X	330.36609	110.64621	313.37581	10.47860	0.2379312	0.21863844	2.7288837	21	11 29.5	18.6
345882 2007 RQ_{43}	16.9	X	1.09890	165.92717	234.73605	4.15405	0.1180300	0.22091255	2.7101237	21	12 20.3	20.1
345883 2007 RB_{46}	17.3	X	321.99133	98.72178	280.38243	3.46951	0.1372074	0.20943313	2.8082717	21	9 8.6	20.5
345884 2007 RD_{46}	16.7	X	289.20209	138.16618	196.11215	8.81934	0.1790628	0.19732929	2.9219650	21	5 14.7	20.9
345885 2007 RO_{50}	16.9	X	4.06003	92.46980	217.31500	9.94972	0.1013791	0.20630510	2.8365868	21	8 15.1	20.4
345886 2007 RN_{60}	16.7	X	16.48053	80.67517	280.97697	3.72860	0.1378587	0.21895523	2.7262509	21	11 24.3	19.8
345887 2007 RD_{65}	17.0	X	351.41507	41.39843	336.07412	2.88105	0.2139350	0.21656392	2.7462832	21	11 8.4	19.5
345888 2007 RK_{71}	16.3	X	335.24776	257.04263	156.40249	10.05244	0.2803405	0.21601410	2.7509413	21	12 1.1	18.5
345889 2007 RQ_{71}	17.1	X	5.82984	344.13203	24.78620	4.91537	0.1310754	0.21792505	2.7348360	21	11 15.4	20.2
345890 2007 RE_{73}	16.9	X	345.06517	182.82951	162.72664	6.56869	0.0504299	0.21092468	2.7950169	21	9 6.6	20.3
345891 2007 RO_{78}	16.8	X	48.17281	32.36333	339.44036	5.02181	0.0963069	0.22811501	2.6527733	21	—	—
345892 2007 RR_{78}	17.3	X	28.17713	151.57806	183.01549	4.22664	0.1153531	0.21821302	2.7324294	21	11 4.5	20.6
345893 2007 RA_{84}	16.4	X	60.90810	311.35083	10.91807	13.19569	0.1242284	0.22038164	2.7144745	21	11 29.3	20.4
345894 2007 RU_{90}	16.9	X	290.18410	71.00845	3.20283	4.64532	0.0936201	0.21234590	2.7825318	21	10 8.9	20.4
345895 2007 RC_{93}	16.9	X	315.30813	63.80295	17.31163	3.62339	0.0243155	0.21999345	2.7176669	21	11 30.2	20.5
345896 2007 RE_{96}	16.7	X	216.04932	34.74455	28.30378	9.61676	0.0695660	0.19448912	2.9503430	21	6 24.3	21.3
345897 2007 RM_{96}	16.9	X	323.39022	327.61097	87.74244	3.58050	0.1071621	0.21398795	2.7682789	21	11 6.2	20.0
345898 2007 RB_{98}	16.2	X	71.19772	247.54046	38.62708	7.55768	0.2815184	0.21822982	2.7322891	21	11 17.2	20.5
345899 2007 RS_{99}	16.5	X	79.06539	111.85983	189.53640	12.52106	0.2771818	0.22595932	2.6696185	21	12 13.6	21.1
345900 2007 RM_{100}	15.8	X	214.72096	184.02904	153.88412	11.78037	0.1127384	0.18612560	3.0380760	21	3 9.9	20.5
345901 2007 RB_{108}	16.6	X	23.98061	343.94481	347.85743	6.52078	0.1756412	0.21509584	2.7587650	21	10 29.9	19.9
345902 2007 RO_{114}	17.0	X	291.75664	216.07418	245.00864	3.99030	0.0129627	0.21988729	2.7185415	21	11 25.9	20.5
345903 2007 RD_{119}	16.0	X	165.92291	238.41314	157.49773	5.84896	0.2339449	0.18107233	3.0943397	21	4 7.8	21.3
345904 2007 RK_{126}	16.5	X	0.48847	16.40032	2.16899	4.68557	0.0621195	0.21658189	2.7461313	21	11 12.4	19.9
345905 2007 RU_{129}	16.6	X	49.96627	216.04377	145.75524	2.76204	0.1028194	0.22326325	2.6910673	21	—	—
345906 2007 RS_{140}	16.3	X	20.89425	344.04020	350.91043	9.07416	0.1412466	0.21528980	2.7571078	21	10 23.4	19.6
345907 2007 RY_{148}	15.8	X	307.78092	50.78033	15.85283	22.43848	0.1305232	0.21398207	2.7683296	21	10 19.3	19.1
345908 2007 RZ_{148}	16.4	X	318.89002	196.84481	202.24858	9.34956	0.1732342	0.21240138	2.7820472	21	9 29.0	19.3
345909 2007 RS_{151}	17.2	X	15.54625	202.25541	210.85630	6.41609	0.1539116	0.22936692	2.6431118	21	—	—
345910 2007 RY_{153}	17.2	X	341.25795	147.86738	205.21978	3.02943	0.1102558	0.21098854	2.7944529	21	9 9.1	20.4
345911 2007 RF_{154}	17.1	X	38.99327	174.55841	187.71814	5.54253	0.0403041	0.22445952	2.6814973	21	12 14.6	20.7
345912 2007 RE_{163}	16.9	X	7.70127	40.19300	335.44029	4.35905	0.1236176	0.21988913	2.7185263	21	11 26.9	20.1
345913 2007 RQ_{167}	16.8	X	204.56218	23.61382	158.42936	11.32938	0.1085788	0.22170298	2.7036784	21	11 11.2	21.0
345914 2007 RT_{167}	17.2	X	298.39909	314.12146	80.00704	1.65071	0.0770784	0.20877344	2.8141844	21	8 31.5	20.8
345915 2007 RR_{170}	16.9	X	37.78634	188.36416	144.12595	5.64984	0.1230400	0.21896790	2.7261458	21	11 17.5	20.4
345916 2007 RS_{172}	16.6	X	188.50899	307.09132	75.59318	2.92876	0.2793699	0.18268288	3.0761263	21	4 9.4	22.1
345917 2007 RB_{173}	16.5	X	318.94208	23.99675	28.04079	8.71825	0.1403476	0.21295857	2.7771924	21	10 21.7	19.6
345918 2007 RU_{174}	16.9	X	345.73864	43.00329	81.95204	4.43655	0.1641129	0.23083938	2.6318600	21	—	—
345919 2007 RX_{180}	17.9	X	12.42638	340.82977	5.51085	2.18807	0.1443945	0.21580691	2.7527017	21	10 28.4	21.0
345920 2007 RH_{184}	16.7	X	281.65303	204.47526	243.06549	4.08261	0.1046791	0.21325356	2.7746307	21	10 11.8	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
345921 2007 RF_{194}	16.9	X	282.22152	235.27612	160.06088	2.30567	0.0717014	0.20365097	2.8611792	21	8 9.1	20.7
345922 2007 RM_{205}	16.0	X	303.93443	216.72928	202.39473	8.72469	0.1733563	0.20993666	2.8037795	21	9 28.9	19.2
345923 2007 RJ_{210}	17.0	X	354.76902	263.55906	101.87675	3.84799	0.0740708	0.21324320	2.7747206	21	10 21.0	20.4
345924 2007 RZ_{214}	16.7	X	345.50149	72.50109	298.61582	2.79630	0.1125429	0.21218862	2.7839066	21	10 11.4	20.0
345925 2007 RA_{215}	16.6	X	332.71880	175.18643	213.99111	4.37799	0.1610042	0.21210225	2.7846623	21	10 14.1	19.3
345926 2007 RO_{223}	15.4	X	173.32910	2.90713	23.61518	23.18217	0.0673958	0.17739703	3.1369324	21	3 30.8	20.2
345927 2007 RC_{233}	16.5	X	328.09714	316.21076	75.20832	5.29136	0.2087651	0.21174365	2.7878054	21	10 8.8	19.1
345928 2007 RK_{233}	16.4	X	336.42863	250.77393	161.79252	12.18141	0.2413288	0.21620644	2.7493095	21	12 1.3	19.0
345929 2007 RW_{233}	15.9	X	128.45660	277.84576	351.28763	13.93772	0.0494607	0.22413770	2.6840635	21	12 3.1	20.0
345930 2007 RN_{240}	16.1	X	83.26470	175.84033	170.43649	14.68879	0.1319876	0.22862188	2.6488510	21	—	—
345931 2007 RH_{246}	16.9	X	10.18742	358.71317	352.07374	6.75369	0.0982053	0.21749118	2.7384718	21	10 23.8	20.2
345932 2007 RR_{246}	16.7	X	335.05674	117.13880	257.66408	6.29636	0.2387280	0.21047699	2.7989790	21	9 21.1	19.3
345933 2007 RP_{251}	16.9	X	58.84449	346.22778	307.53664	4.53489	0.0697926	0.21340191	2.7733446	21	10 13.7	20.6
345934 2007 RO_{252}	16.2	X	165.56017	25.03587	342.46247	1.12102	0.1687468	0.17581024	3.1557792	21	3 1.4	21.3
345935 2007 RP_{255}	16.7	X	128.21178	67.67065	195.87948	6.96157	0.0423512	0.22359737	2.6883857	21	11 29.2	20.6
345936 2007 RB_{268}	16.7	X	16.27720	300.78947	38.17670	4.45895	0.1090320	0.21383494	2.7695993	21	10 21.0	20.0
345937 2007 RU_{273}	16.8	X	121.75623	337.28048	213.17577	5.50073	0.0204658	0.20222180	2.8746440	21	8 13.0	21.0
345938 2007 RX_{276}	16.2	X	352.19548	100.71774	298.09403	20.32902	0.2597063	0.22015929	2.7163019	21	12 21.8	18.9
345939 2007 RJ_{277}	16.0	X	317.94172	331.35953	67.46337	9.66693	0.2697699	0.21003594	2.8028959	21	9 22.1	18.7
345940 2007 RB_{278}	16.2	X	25.21201	213.01960	116.83584	13.75687	0.1828969	0.21493615	2.7601313	21	11 8.1	19.7
345941 2007 RC_{284}	16.7	X	41.18447	103.87462	211.80218	11.14078	0.1453636	0.21564269	2.7540991	21	11 1.8	20.3
345942 2007 RU_{287}	15.4	X	192.12958	314.50312	11.89824	11.66197	0.0214030	0.17392795	3.1785067	21	2 5.7	20.1
345943 2007 RY_{287}	16.5	X	138.38722	230.05555	23.59121	9.45059	0.0462174	0.21948225	2.7218850	21	11 25.1	20.5
345944 2007 RZ_{293}	17.1	X	279.12688	77.75071	38.95412	4.41356	0.2013509	0.21570305	2.7535853	21	11 2.9	20.1
345945 2007 RD_{303}	16.7	X	307.42381	0.25510	6.28957	1.62056	0.1184338	0.19673368	2.9278595	21	7 31.9	20.3
345946 2007 RT_{314}	15.6	X	159.56938	218.73977	146.96466	10.92464	0.1003969	0.17716330	3.1396907	21	2 17.1	20.3
345947 2007 RL_{315}	16.7	X	348.04564	323.06666	55.96872	4.96327	0.1120012	0.21404551	2.7677825	21	10 29.6	19.8
345948 2007 RA_{319}	16.8	X	32.27583	243.93802	112.45125	4.71957	0.1936441	0.22079982	2.7110461	21	12 19.9	20.3
345949 2007 RL_{320}	15.6	X	125.08835	206.87813	178.10803	14.85389	0.0226424	0.17059346	3.2197919	21	1 23.0	20.4
345950 2007 RA_{321}	15.8	X	194.57612	342.75644	356.49347	7.72510	0.1113708	0.17970450	3.1100216	21	2 21.9	20.7
345951 2007 RT_{325}	16.3	X	233.23875	178.12668	217.76676	7.38109	0.0743445	0.18728663	3.0255073	21	6 9.4	20.8
345952 2007 SP_{2}	17.2	X	335.77269	347.84168	336.97027	3.67493	0.2045903	0.20573416	2.8418323	21	7 13.8	20.1
345953 2007 SL_{4}	15.9	X	4.72825	247.38464	78.48682	20.65330	0.3497595	0.21307861	2.7761493	21	10 25.6	18.6
345954 2007 SX_{7}	17.2	X	51.29111	285.26608	38.58107	4.78760	0.1083201	0.21686564	2.7437353	21	11 19.4	20.9
345955 2007 SQ_{15}	16.4	X	23.70109	241.81280	101.80736	9.94575	0.2928129	0.21826180	2.7320223	21	12 7.5	19.6
345956 2007 SS_{16}	16.6	X	348.75135	205.27610	178.91646	3.50068	0.2016191	0.21679595	2.7443233	21	11 13.6	19.1
345957 2007 SL_{18}	16.6	X	340.48028	143.01687	246.42123	5.11674	0.1213284	0.21090115	2.7952248	21	10 28.3	19.7
345958 2007 SS_{19}	16.6	X	276.33640	73.09641	13.47677	4.35618	0.0786370	0.20909891	2.8112633	21	10 7.6	20.2
345959 2007 SA_{23}	16.6	X	355.18167	250.19288	86.77196	8.89333	0.2512445	0.20959882	2.8067916	21	9 25.3	19.1
345960 2007 TO_{3}	16.3	X	121.37915	308.97389	334.89623	13.18959	0.0688339	0.22784917	2.6548363	21	12 17.8	20.4
345961 2007 TX_{4}	16.9	X	129.24319	196.99592	13.51934	3.96420	0.0389819	0.20920219	2.8103380	21	9 22.3	21.0
345962 2007 TM_{24}	16.4	X	289.43546	122.96682	339.19105	4.08410	0.0877199	0.21738516	2.7393622	21	11 14.5	19.8
345963 2007 TR_{32}	16.9	X	97.01456	310.35733	349.65454	1.50786	0.1886670	0.22629445	2.6669822	21	12 19.9	21.2
345964 2007 TX_{42}	16.3	X	42.35186	306.03005	351.96811	1.71135	0.0499730	0.21074802	2.7965787	21	9 25.9	19.9
345965 2007 TS_{49}	17.1	X	22.39993	346.61075	358.69621	3.55001	0.1090848	0.21290665	2.7776439	21	11 6.0	20.5
345966 2007 TW_{53}	15.9	X	152.84844	25.21085	35.18186	5.20515	0.1551824	0.17838594	3.1253282	21	4 20.1	20.8
345967 2007 TA_{90}	16.1	X	288.02751	335.75126	71.51986	7.11018	0.0552188	0.20242130	2.8727549	21	9 8.8	20.0
345968 2007 TO_{93}	16.5	X	259.32319	159.60367	203.86291	12.57209	0.1612827	0.19088678	2.9873457	21	5 19.9	21.1
345969 2007 TC_{102}	16.5	X	321.21858	133.05529	185.85809	8.73607	0.1659369	0.19846001	2.9108559	21	6 11.8	20.1
345970 2007 TU_{103}	16.2	X	266.89831	135.39592	194.09470	4.84648	0.1968076	0.18696459	3.0289805	21	4 11.4	20.9
345971 Marktorrence	16.8	X	63.04855	23.05969	286.89294	3.69072	0.0682504	0.21381189	2.7697983	21	11 9.7	20.7
345972 2007 TM_{105}	17.2	X	32.61207	175.53842	167.90339	0.61938	0.0816677	0.21451233	2.7637656	21	11 15.9	20.7
345973 2007 TN_{105}	16.5	X	296.98399	104.96759	248.95334	7.63142	0.1255281	0.20054173	2.8906769	21	6 26.8	20.2
345974 2007 TL_{110}	16.9	X	39.82741	44.96676	262.95384	7.15294	0.3368863	0.21816825	2.7328032	21	11 18.4	20.6
345975 2007 TF_{115}	16.7	X	20.84443	242.55611	153.54944	7.94883	0.2611515	0.22004065	2.7172782	21	—	—
345976 2007 TZ_{117}	16.0	X	211.46357	217.93078	184.49910	9.73439	0.0984337	0.18684156	3.0303100	21	5 24.6	20.8
345977 2007 TW_{119}	16.4	X	242.70182	143.41932	233.02054	9.25772	0.1126972	0.18737703	3.0245341	21	5 22.7	21.0
345978 2007 TS_{121}	17.3	X	245.93747	42.96311	54.90936	1.94222	0.1977736	0.20137271	2.8827190	21	8 28.5	21.6
345979 2007 TQ_{135}	16.5	X	0.68244	10.34477	48.77564	4.28215	0.0646963	0.22654837	2.6649890	21	—	—
345980 2007 TE_{137}	16.4	X	20.66301	134.08212	213.58761	5.10150	0.0738616	0.21135687	2.7912055	21	11 3.1	19.7
345981 2007 TZ_{138}	16.8	X	313.50067	122.21605	291.51314	3.10521	0.0960129	0.20991474	2.8039747	21	10 15.8	20.1
345982 2007 TL_{141}	15.7	X	91.46907	98.49327	54.09833	8.68621	0.1429681	0.18146419	3.0898834	21	6 5.1	20.0
345983 2007 TX_{145}	16.3	X	48.40170	288.60301	27.94212	6.52082	0.0924661	0.21456403	2.7633217	21	11 3.4	19.8
345984 2007 TJ_{149}	16.8	X	311.76181	38.21742	10.66516	4.56786	0.1249641	0.21030751	2.8004825	21	10 5.4	19.9
345985 2007 TM_{152}	15.9	X	232.79583	151.03803	205.69111	9.24220	0.1167303	0.18737316	3.0245757	21	4 17.6	20.4
345986 2007 TK_{154}	16.2	X	342.68678	120.96979	218.09098	15.90148	0.1440338	0.20559570	2.8431080	21	8 15.6	19.7
345987 2007 TT_{166}	16.4	X	347.94088	163.13633	224.30087	8.49206	0.1382021	0.21457271	2.7632471	21	11 10.7	19.4
345988 2007 TW_{166}	16.7	X	302.49907	207.70151	232.92593	3.65348	0.1736659	0.21221987	2.7836333	21	10 27.3	19.7
345989 2007 TP_{169}	15.6	X	227.10999	296.57813	43.26034	16.99120	0.1325074	0.18144908	3.0900550	21	3 29.5	20.7
345990 2007 TS_{172}	18.6	X	126.70279	57.27710	21.86769	21.93448	0.1056083	0.39281720	1.8464705	21	3 23.5	20.3
345991 2007 TF_{173}	16.0	X	318.79200	216.59696	198.61071	9.19216	0.0556354	0.21371219	2.7706597	21	10 31.8	19.5
345992 2007 TG_{174}	16.5	X	216.41992	139.41065	14.83552	5.22397	0.0937600	0.21005167	2.8027560	21	10 17.0	20.6
345993 2007 TO_{176}	15.5	X	184.98202	315.53388	67.45267	10.33162	0.1211944	0.17944329	3.1130390	21	4 8.3	20.5
345994 2007 TL_{182}	15.8	X	184.88712	11.29142	56.02975	18.49363	0.2275315	0.18504196	3.0499255	21	5 25.9	21.2
345995 2007 TN_{182}	16.2	X	44.40849	294.96139	87.08372	10.88864	0.1251856	0.22246037	2.6975382	21	—	—
345996 2007 TV_{184}	16.8	X	291.42422	238.86318	148.86550	2.67013	0.0789085	0.20272537	2.8698816	21	8 10.9	20.6
345997 2007 TO_{194}	17.1	X	30.23625	239.49940	35.08166	2.39151	0.0135493	0.19833115	2.9121166	21	8 5.1	20.9
345998 2007 TN_{196}	16.1	X	146.69600	215.69112	201.45561	4.53088	0.1713092	0.17553176	3.1591161	21	4 11.7	21.1
345999 2007 TX_{199}	16.5	X	325.51945	98.23588	212.65827	7.96227	0.0077061	0.19347289	2.9606652	21	6 25.2	20.6
346000 2007 TD_{202}	16.4	X	89.82414	293.36556	207.20133	9.90870	0.0775407	0.17968404	3.1102577	21	5 10.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346001 2007 TG_{202}	17.1	X	335.83912	248.18040	151.62401	2.16799	0.0828757	0.21080619	2.7960642	21	11 5.1	20.3
346002 2007 TL_{204}	16.7	X	304.13779	289.23200	107.23687	3.19206	0.0762296	0.20332061	2.8642776	21	9 12.5	20.4
346003 2007 TA_{207}	17.1	X	342.71389	180.96802	187.38446	3.60731	0.1112842	0.21218965	2.7838976	21	10 4.4	20.0
346004 2007 TD_{207}	17.1	X	140.75355	41.67557	187.47906	4.83112	0.0517312	0.21735045	2.7396538	21	10 31.1	21.1
346005 2007 TQ_{216}	16.7	X	285.46487	9.84252	31.73216	11.37253	0.2144621	0.20031313	2.8928757	21	8 4.5	20.7
346006 2007 TG_{217}	16.3	X	114.29612	173.79370	26.79115	9.08827	0.0336328	0.19668118	2.9283806	21	8 24.5	20.5
346007 2007 TU_{221}	16.9	X	296.72463	242.95077	153.06981	4.52438	0.1064681	0.20917344	2.8105955	21	8 26.6	20.3
346008 2007 TB_{223}	15.9	X	224.14719	197.35453	194.65333	15.69144	0.0418452	0.18897931	3.0074139	21	5 28.8	20.5
346009 2007 TT_{239}	15.5	X	224.58163	308.48733	44.65826	15.64664	0.0588049	0.17868254	3.1218687	21	4 13.2	20.2
346010 2007 TS_{243}	16.5	X	304.68370	71.95899	350.06963	8.55446	0.2222638	0.20881392	2.8138207	21	9 26.7	19.4
346011 2007 TU_{248}	16.3	X	28.25794	273.76245	68.65197	9.65331	0.2392932	0.21832346	2.7315078	21	12 2.8	19.4
346012 2007 TY_{255}	16.3	X	229.31713	187.20473	240.67526	4.64177	0.0573555	0.19594335	2.9357272	21	7 16.4	20.5
346013 2007 TD_{266}	16.7	X	235.42708	82.94764	319.03205	4.00370	0.0249076	0.19429973	2.9522599	21	6 24.9	21.0
346014 2007 TG_{266}	17.3	X	305.16138	192.52686	213.30780	0.97669	0.2325817	0.20957981	2.8069613	21	9 3.9	20.1
346015 2007 TQ_{266}	16.4	X	29.53161	294.73982	22.54036	7.21735	0.0751756	0.20912413	2.8110374	21	10 7.4	19.9
346016 2007 TF_{283}	16.3	X	345.47149	11.92973	38.08408	5.71950	0.0343692	0.21814483	2.7329987	21	11 30.9	19.9
346017 2007 TW_{286}	15.6	X	150.39414	332.68072	78.13319	6.74898	0.1842719	0.17631259	3.1497820	21	4 11.4	20.7
346018 2007 TN_{289}	16.8	X	32.62129	182.40882	220.99168	2.81168	0.1310782	0.23387707	2.6090213	21	—	—
346019 2007 TX_{292}	16.8	X	208.52630	57.14782	85.45576	1.69293	0.0124144	0.20913028	2.8109823	21	10 2.9	20.8
346020 2007 TD_{298}	16.4	X	183.61840	73.16152	13.40749	9.19647	0.1801582	0.18954256	3.0014531	21	6 17.6	21.5
346021 2007 TZ_{316}	16.8	X	344.85623	203.88509	134.05046	2.97219	0.0760215	0.20119462	2.8844199	21	8 26.2	20.2
346022 2007 TJ_{327}	16.4	X	250.30805	276.32933	245.44057	8.35296	0.0319164	0.21852480	2.7298297	21	12 16.5	20.0
346023 2007 TD_{335}	16.1	X	192.08893	335.99234	44.68253	9.76735	0.1034388	0.17804701	3.1292932	21	4 10.1	21.0
346024 2007 TA_{339}	16.8	X	324.93348	29.76230	339.86334	1.33163	0.0832183	0.20278870	2.8692841	21	9 5.9	20.2
346025 2007 TG_{339}	17.5	X	22.66910	234.28742	101.27964	1.19072	0.0796928	0.21473080	2.7618907	21	10 22.8	21.0
346026 2007 TM_{355}	15.7	X	148.78221	259.06819	148.07989	14.11116	0.3087559	0.17557364	3.1586136	21	4 14.8	21.4
346027 2007 TT_{360}	16.6	X	185.30349	257.71640	171.69447	8.10942	0.0137127	0.18427512	3.0583809	21	5 30.9	21.0
346028 2007 TS_{363}	15.5	X	256.73655	274.88180	61.58898	12.58291	0.0845186	0.18063085	3.0993796	21	4 25.2	20.2
346029 2007 TA_{365}	16.3	X	343.13688	261.88193	151.11467	26.69606	0.2165107	0.22355488	2.6887264	21	12 20.2	19.5
346030 2007 TV_{371}	16.4	X	284.95195	252.75476	219.61414	8.04908	0.0613113	0.21904366	2.7255172	21	11 26.7	19.8
346031 2007 TG_{383}	16.8	X	285.05891	202.10803	214.91833	1.28334	0.0555530	0.20265929	2.8705054	21	9 13.0	20.4
346032 2007 TW_{383}	16.8	X	346.42954	139.54007	210.97209	5.47977	0.0947818	0.20406929	2.8572678	21	9 12.8	20.3
346033 2007 TS_{392}	16.8	X	288.27438	206.52663	212.06651	1.10419	0.2354373	0.20370858	2.8606397	21	8 23.1	20.5
346034 2007 TT_{403}	16.4	X	163.41601	88.84205	23.59246	8.09697	0.1692203	0.18714686	3.0270135	21	7 2.6	21.5
346035 2007 TE_{405}	16.1	X	80.58522	157.40232	37.35797	9.42948	0.0498196	0.18838570	3.0137282	21	7 3.0	20.4
346036 2007 TW_{412}	16.3	X	35.66247	296.04488	106.18296	6.59325	0.1609586	0.22645705	2.6657054	21	—	—
346037 2007 TS_{419}	16.0	X	14.35278	273.35887	54.72977	14.13731	0.3369614	0.21504175	2.7592276	21	11 7.8	18.6
346038 2007 TX_{419}	15.6	X	93.15777	123.15776	307.86403	15.53236	0.1342600	0.17165696	3.2064792	21	2 21.4	20.1
346039 2007 TS_{422}	16.2	X	187.36489	48.33609	64.45367	8.08547	0.1227702	0.19079058	2.9883498	21	7 26.2	21.0
346040 2007 TD_{423}	17.1	X	310.00148	122.10500	224.66365	1.56507	0.0687225	0.19889252	2.9066344	21	7 14.8	21.0
346041 2007 TN_{425}	15.6	X	158.69985	331.41175	90.95268	11.18843	0.1321809	0.17959842	3.1112462	21	4 30.5	20.6
346042 2007 TU_{429}	16.9	X	16.89852	249.85875	41.92244	2.55968	0.0558530	0.20075889	2.8885919	21	8 13.0	20.6
346043 2007 TO_{440}	15.7	X	19.56401	22.71130	238.15554	9.75433	0.0588451	0.18965543	3.0002620	21	7 3.6	19.7
346044 2007 TE_{451}	16.0	X	325.74208	264.09846	91.04802	8.43950	0.0910866	0.19951278	2.9006071	21	8 20.6	19.6
346045 2007 UW_{5}	16.3	X	309.24028	159.29906	207.86812	17.14711	0.1558637	0.20276420	2.8695152	21	7 24.9	20.3
346046 2007 UX_{17}	16.3	X	250.27661	171.41815	238.53048	10.48899	0.0526123	0.19417530	2.9535209	21	7 17.6	20.6
346047 2007 UJ_{20}	17.1	X	333.54510	177.34430	160.60451	2.38271	0.0783952	0.20230111	2.8738926	21	8 7.1	20.5
346048 2007 UQ_{22}	16.4	X	121.29083	166.63568	49.88047	18.45696	0.0730660	0.20237437	2.8731990	21	10 1.7	20.9
346049 2007 UX_{22}	16.9	X	243.51983	302.29191	134.72948	2.85460	0.0667643	0.19845802	2.9108754	21	8 14.5	20.8
346050 2007 UE_{24}	17.0	X	312.28350	199.28572	193.05985	5.74837	0.0927067	0.20426082	2.8554814	21	9 15.1	20.4
346051 2007 UK_{26}	16.4	X	241.38023	43.72511	303.10521	1.47011	0.1287107	0.18394852	3.0620000	21	4 12.8	21.2
346052 2007 UZ_{29}	16.7	X	266.42325	359.22276	96.35988	5.74321	0.2964564	0.20375549	2.8602007	21	9 5.9	20.8
346053 2007 UP_{34}	16.9	X	279.80876	59.11325	325.36491	6.10054	0.2451016	0.19832846	2.9121429	21	6 26.8	21.0
346054 2007 UL_{36}	16.3	X	68.41852	260.86250	61.89844	5.87401	0.1130465	0.22011266	2.7166855	21	12 10.0	20.2
346055 2007 UU_{40}	16.3	X	204.51231	80.39796	33.95672	12.84097	0.0661860	0.19754822	2.9198058	21	8 22.7	20.8
346056 2007 UO_{43}	17.0	X	244.84332	228.47046	167.76055	2.68180	0.0823356	0.19362426	2.9591220	21	6 22.1	21.4
346057 2007 UO_{48}	15.9	X	181.39977	38.91551	72.46692	9.75720	0.0817155	0.18899372	3.0072611	21	7 18.2	20.5
346058 2007 UD_{50}	16.1	X	249.28664	250.13304	208.06198	10.81853	0.0463243	0.20127342	2.8836669	21	9 18.5	20.2
346059 2007 UL_{55}	16.2	X	259.76472	178.33093	225.61976	11.25603	0.0125253	0.19560402	2.9391215	21	7 26.7	20.5
346060 2007 UU_{55}	16.6	X	210.22846	26.69637	53.05112	3.26071	0.1449458	0.19112059	2.9849088	21	7 5.1	21.3
346061 2007 UM_{61}	16.9	X	264.94190	254.20476	224.41103	6.99757	0.1449997	0.21225061	2.7833645	21	10 23.5	20.4
346062 2007 UH_{63}	17.1	X	208.45107	34.87147	34.21092	4.76970	0.1612133	0.19119041	2.9841821	21	6 18.9	21.9
346063 2007 UG_{68}	16.2	X	332.35507	325.83619	63.67354	6.67508	0.0899316	0.20888833	2.8131525	21	10 18.0	19.5
346064 2007 UH_{82}	16.8	X	334.97527	70.63782	283.18533	1.01362	0.0849071	0.20215675	2.8752606	21	8 30.9	20.3
346065 2007 UR_{83}	16.3	X	325.49908	240.66510	49.71801	11.22665	0.0695671	0.18695241	3.0291121	21	5 22.4	20.3
346066 2007 UO_{85}	16.3	X	150.12006	56.44353	74.97685	3.52876	0.0429890	0.18960459	3.0007984	21	7 6.4	20.5
346067 2007 UG_{86}	16.3	X	285.34624	237.50956	150.42270	1.52553	0.1617587	0.19790443	2.9163011	21	7 20.5	20.2
346068 2007 UM_{87}	16.4	X	279.05077	94.31113	335.07810	1.31242	0.0441956	0.20270816	2.8700440	21	9 22.8	20.4
346069 2007 UV_{87}	16.4	X	283.64342	336.33484	30.06239	1.77903	0.0841618	0.19268493	2.9687312	21	7 1.9	20.5
346070 2007 UN_{89}	16.2	X	254.52150	176.17176	226.84291	10.58379	0.0669035	0.19356611	2.9597146	21	7 12.3	20.6
346071 2007 UZ_{94}	16.6	X	319.03695	252.93240	29.81613	6.02239	0.1029941	0.18599239	3.0395265	21	4 29.2	20.5
346072 2007 UQ_{96}	16.7	X	289.29351	67.50974	251.24727	0.64850	0.2282445	0.18910376	3.0060943	21	4 17.3	20.9
346073 2007 UN_{100}	16.2	X	333.62587	267.61304	55.02718	10.84667	0.3274684	0.19987871	2.8970658	21	6 14.9	18.9
346074 2007 UQ_{102}	15.4	X	1.72987	347.01808	226.05228	16.30519	0.1481113	0.17708293	3.1406407	21	3 30.1	19.2
346075 2007 UL_{104}	16.6	X	115.14075	34.04445	91.00442	5.35007	0.0919099	0.17775265	3.1327471	21	5 24.3	21.2
346076 2007 UA_{105}	16.3	X	193.74417	310.40084	88.74339	6.17073	0.1238818	0.17919366	3.1159295	21	5 3.2	21.3
346077 2007 UF_{114}	16.1	X	301.51358	260.85600	38.17603	11.54839	0.0905102	0.18444053	3.0565521	21	4 28.3	20.1
346078 2007 UL_{120}	16.6	X	311.51240	147.34587	180.27479	1.96694	0.0546170	0.19519901	2.9431856	21	6 23.3	20.5
346079 2007 UQ_{128}	17.0	X	144.53403	289.78010	185.89045	1.13815	0.1589774	0.18318888	3.0704590	21	6 18.2	21.8
346080 2007 UJ_{130}	16.8	X	31.83495	127.81218	211.78334	3.91750	0.0563307	0.21068838	2.7971064	21	11 5.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346081 2007 UL_{130}	16.2	X	121.10356	145.28207	4.89682	6.65517	0.1406778	0.18498575	3.0505433	21	7 7.1	20.9
346082 2007 UR_{131}	16.5	X	288.38532	100.04413	232.42057	7.24456	0.0401887	0.18656766	3.0332752	21	5 31.6	20.7
346083 2007 UB_{133}	16.7	X	174.03356	273.91538	244.21923	1.58398	0.1310807	0.19907177	2.9048893	21	9 5.1	21.2
346084 2007 UN_{138}	15.3	X	180.94750	174.83529	267.89612	13.92459	0.1467800	0.17918819	3.1159929	21	6 11.3	20.4
346085 2007 UL_{139}	16.4	X	358.64270	224.35114	134.40495	3.63907	0.0730173	0.20725462	2.8279164	21	10 16.8	19.8
346086 2007 UD_{140}	16.7	X	299.70069	287.35270	36.26540	3.15739	0.1362923	0.18905846	3.0065745	21	5 20.1	20.7
346087 2007 UP_{141}	15.6	X	147.07346	60.41194	98.57298	10.21976	0.0642690	0.19193656	2.9764431	21	8 10.3	20.1
346088 2007 UW_{141}	15.8	X	146.75935	75.24284	18.35170	8.19064	0.0279500	0.18097739	3.0954218	21	5 11.9	20.3
346089 2007 VQ_{7}	16.9	X	349.55582	290.22396	27.75322	2.15184	0.2427393	0.20537349	2.8451585	21	8 3.7	19.3
346090 2007 VM_{23}	17.4	X	30.07204	66.34561	234.90096	1.03485	0.0519383	0.20360559	2.8616043	21	9 12.2	21.2
346091 2007 VH_{30}	16.4	X	222.46828	164.48535	230.18291	2.54713	0.0869327	0.19023266	2.9941898	21	5 25.6	21.0
346092 2007 VK_{30}	17.0	X	252.35769	127.27207	312.69471	4.80073	0.0389175	0.20152574	2.8812594	21	9 1.2	21.1
346093 2007 VF_{31}	16.4	X	163.29941	246.89937	243.24261	12.94402	0.2211784	0.18897130	3.0074989	21	7 21.1	21.8
346094 2007 VG_{32}	16.2	X	277.57887	94.24338	244.64008	10.87755	0.0834895	0.18874007	3.0099548	21	5 18.9	20.3
346095 2007 VU_{35}	16.9	X	22.75924	123.84367	162.77875	2.39087	0.0238999	0.19753741	2.9199123	21	8 10.4	20.8
346096 2007 VW_{44}	15.1	X	288.64267	18.03333	249.11865	16.61775	0.1637942	0.17608793	3.1524605	21	2 15.6	20.1
346097 2007 VY_{45}	16.4	X	313.32346	19.78115	358.52638	5.66061	0.0814243	0.20189156	2.8777779	21	8 31.9	20.0
346098 2007 VL_{48}	16.0	X	223.35154	13.03195	15.39177	7.06472	0.1409254	0.18582638	3.0413364	21	5 13.8	20.9
346099 2007 VN_{55}	15.9	X	204.87015	295.39709	67.30621	16.60651	0.1240870	0.17771395	3.1332019	21	4 6.7	21.1
346100 2007 VN_{59}	16.9	X	189.53675	195.58302	278.12339	3.51165	0.1044676	0.19048408	2.9915545	21	7 27.7	21.5
346101 2007 VN_{62}	15.5	X	205.05279	343.95021	56.29535	23.80103	0.1211090	0.18225802	3.0809049	21	5 14.2	20.4
346102 2007 VY_{62}	16.2	X	243.63781	128.39599	239.29348	6.82704	0.1914363	0.18583535	3.0412386	21	5 5.2	21.2
346103 2007 VW_{63}	16.0	X	21.77578	318.76085	67.00019	14.15668	0.1548489	0.21521251	2.7577678	21	—	—
346104 2007 VE_{65}	16.5	X	179.00802	73.10034	58.72116	5.67117	0.1149081	0.18954817	3.0013939	21	8 11.1	21.3
346105 2007 VN_{66}	16.0	X	66.28183	268.16487	101.12783	15.02627	0.1457410	0.22492132	2.6778257	21	—	—
346106 2007 VV_{79}	16.6	X	108.66302	195.66018	315.33860	0.28309	0.1432843	0.18041397	3.1018629	21	6 24.1	21.3
346107 2007 VX_{79}	16.6	X	305.07231	89.88406	265.33896	1.43766	0.0596126	0.19315553	2.9639074	21	7 20.2	20.5
346108 2007 VG_{85}	16.4	X	271.83569	172.01517	286.75127	6.46299	0.1757893	0.20865864	2.8152166	21	9 28.9	20.3
346109 2007 VC_{88}	16.1	X	254.93091	100.63819	300.54795	5.37247	0.1159654	0.19252790	2.9703453	21	7 6.5	20.3
346110 2007 VA_{92}	15.2	X	294.69673	47.26941	239.41118	28.60860	0.1647890	0.18062934	3.0993969	21	3 15.7	20.3
346111 2007 VQ_{92}	16.0	X	186.89228	36.44205	317.53586	8.98143	0.2405365	0.17718579	3.1394251	21	3 3.2	21.5
346112 2007 VF_{94}	15.2	X	139.48142	151.89628	254.80900	8.62569	0.1057878	0.17140494	3.2096216	21	3 13.7	20.2
346113 2007 VX_{97}	16.3	X	0.25440	40.49540	270.40191	4.41275	0.0570162	0.19686814	2.9265263	21	8 10.9	20.1
346114 2007 VG_{102}	15.9	X	114.76516	73.01990	70.74598	11.32007	0.2483180	0.17656161	3.1468198	21	7 2.4	21.1
346115 2007 VG_{103}	16.9	X	0.89888	244.33347	102.40262	3.23672	0.0838060	0.20957286	2.8070234	21	10 5.4	20.2
346116 2007 VD_{115}	16.5	X	217.14306	149.28992	216.83999	4.46554	0.1677229	0.17936617	3.1139313	21	4 11.7	21.6
346117 2007 VT_{129}	16.6	X	341.60382	232.69794	69.07965	3.13952	0.0900154	0.19566666	2.9384941	21	6 30.7	20.2
346118 2007 VD_{132}	17.1	X	178.81963	99.33866	23.96239	4.22912	0.1887178	0.19208169	2.9749436	21	7 30.2	22.1
346119 2007 VZ_{134}	16.3	X	123.54965	40.00304	218.85728	13.48399	0.1252672	0.21648771	2.7469276	21	11 20.9	20.7
346120 2007 VM_{142}	16.6	X	346.73427	185.80617	155.45101	2.41516	0.0776847	0.20017629	2.8941940	21	9 2.2	20.2
346121 2007 VS_{150}	16.0	X	79.20576	63.35580	81.86344	7.27673	0.1806468	0.17282450	3.1920218	21	5 18.9	20.3
346122 2007 VH_{156}	16.6	X	233.18112	334.25119	33.35030	10.35840	0.0809094	0.18332795	3.0689061	21	5 3.3	21.3
346123 2007 VP_{156}	17.1	X	271.62517	48.64035	62.52705	2.38348	0.2149587	0.21093801	2.7948992	21	10 13.6	20.5
346124 2007 VV_{165}	16.2	X	131.20590	138.28375	73.80513	4.64947	0.0228334	0.20005502	2.8953634	21	9 26.5	20.3
346125 2007 VA_{167}	15.8	X	343.57143	81.44913	242.83762	16.02512	0.1527984	0.19692461	2.9259667	21	7 26.1	19.4
346126 2007 VE_{169}	15.6	X	247.13887	268.82394	77.81762	12.67699	0.0555458	0.17748887	3.1358502	21	5 1.1	20.3
346127 2007 VM_{169}	15.6	X	276.75928	116.07554	253.41586	14.48101	0.0625114	0.18780807	3.0199045	21	6 28.7	19.8
346128 2007 VR_{171}	16.7	X	212.35326	54.73826	344.33723	3.10311	0.1248408	0.18504925	3.0498454	21	5 17.8	21.5
346129 2007 VW_{173}	15.8	X	274.30819	275.92780	123.56556	9.69814	0.2102652	0.19671097	2.9280849	21	7 13.9	20.1
346130 2007 VG_{174}	16.5	X	273.71272	316.51211	51.01186	10.80366	0.2560452	0.19601263	2.9350354	21	5 26.5	20.9
346131 2007 VB_{192}	15.7	X	186.17618	140.65324	283.30786	10.78402	0.0473168	0.17495523	3.1660524	21	5 22.9	20.5
346132 2007 VN_{194}	15.5	X	226.31381	299.86107	89.31214	12.45453	0.1054015	0.17908429	3.1171980	21	5 24.1	20.4
346133 2007 VM_{196}	16.0	X	272.75589	222.96377	223.43808	14.37375	0.1167302	0.20583261	2.8409261	21	9 22.2	20.1
346134 2007 VV_{197}	16.7	X	224.84144	157.30685	269.79645	5.06932	0.2642069	0.18567207	3.0430213	21	6 25.3	21.7
346135 2007 VF_{202}	15.8	X	193.21982	32.44553	33.21269	12.37879	0.1398984	0.18445774	3.0563620	21	5 30.4	20.8
346136 2007 VY_{207}	16.9	X	301.08346	180.18206	213.59546	1.39675	0.0741354	0.20268971	2.8702182	21	9 2.4	20.7
346137 2007 VV_{220}	16.3	X	201.31829	258.96748	209.17776	8.10602	0.1023251	0.19274025	2.9681632	21	7 31.1	21.0
346138 2007 VF_{222}	17.0	X	316.03483	181.34827	143.62231	2.21897	0.1154064	0.19687834	2.9264252	21	6 18.4	20.6
346139 2007 VX_{224}	16.4	X	58.22294	233.06764	65.74974	5.27249	0.0546888	0.20994846	2.8036745	21	10 20.8	20.2
346140 2007 VB_{225}	17.2	X	333.21825	271.63486	87.26929	3.47464	0.0615935	0.20411303	2.8568596	21	9 7.6	20.7
346141 2007 VA_{226}	16.4	X	341.71305	279.42096	45.37255	12.59081	0.0515719	0.19800658	2.9152980	21	8 8.7	20.4
346142 2007 VZ_{230}	16.7	X	249.21651	29.69817	57.47704	2.91761	0.0328622	0.19966608	2.8991222	21	9 10.0	20.7
346143 2007 VK_{234}	16.1	X	36.15680	313.31243	234.19559	3.38249	0.1473871	0.17236007	3.1977533	21	5 1.2	19.8
346144 2007 VT_{236}	16.3	X	211.45442	223.35113	234.11790	4.96761	0.0539837	0.19466290	2.9485868	21	8 1.8	20.7
346145 2007 VQ_{237}	15.6	X	320.58480	212.42710	55.40004	17.22564	0.0656974	0.18034651	3.1026365	21	4 23.0	19.9
346146 2007 VK_{238}	16.3	X	137.61095	82.10739	61.34961	4.27568	0.0921937	0.18566274	3.0431232	21	7 11.4	20.9
346147 2007 VC_{239}	15.7	X	4.34260	42.17205	66.27706	22.73998	0.0335476	0.22575077	2.6712624	21	—	—
346148 2007 VH_{241}	15.4	X	227.67234	359.26645	105.83347	14.96974	0.1035914	0.19562084	2.9389530	21	8 31.6	20.0
346149 2007 VH_{251}	17.8	X	353.27240	279.10437	217.50641	20.12320	0.1227320	0.37264749	1.9125109	21	—	—
346150 2007 VE_{253}	15.9	X	236.17040	291.72682	98.18935	11.35236	0.1129103	0.18800680	3.0177760	21	6 2.7	20.6
346151 2007 VF_{253}	15.5	X	267.53395	244.67066	83.47269	17.54032	0.0908837	0.18299815	3.0725921	21	4 30.1	20.2
346152 2007 VD_{254}	15.5	X	289.69021	216.08354	89.93795	24.64495	0.2572475	0.18831440	3.0144890	21	4 12.6	20.5
346153 2007 VC_{260}	16.9	X	14.99749	325.62055	72.24930	15.83040	0.2281415	0.21819076	2.7326152	21	—	—
346154 2007 VH_{265}	16.3	X	240.78974	337.45179	54.40859	4.80380	0.2547031	0.18868596	3.0105303	21	5 27.1	21.2
346155 2007 VJ_{279}	16.1	X	116.49997	314.09805	243.67704	11.99534	0.0748526	0.19426859	2.9525753	21	8 18.1	20.7
346156 2007 VH_{281}	15.9	X	116.72297	232.12793	251.03292	5.96519	0.1322176	0.17788300	3.1312164	21	5 27.8	20.4
346157 2007 VW_{281}	16.6	X	160.18247	73.66406	46.57545	2.28922	0.0754706	0.18653140	3.0336682	21	7 5.5	21.0
346158 2007 VH_{282}	16.0	X	53.52765	358.67640	236.81949	9.77747	0.0329511	0.19025967	2.9939064	21	7 14.9	20.3
346159 2007 VH_{283}	16.4	X	245.67390	247.15815	67.96875	2.34431	0.1555210	0.17523405	3.1626931	21	3 11.0	21.4
346160 2007 VQ_{285}	16.8	X	253.98289	294.57632	154.92907	1.07062	0.1450611	0.19841228	2.9113227	21	9 1.5	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346161 2007 VT_{297}	15.6	X	179.28872	240.64496	144.33527	16.73609	0.1421341	0.17839695	3.1251996	21	4 6.1	20.8
346162 2007 VG_{303}	16.2	X	357.64940	216.50526	141.34105	14.43218	0.1951018	0.21082141	2.7959296	21	10 28.3	19.3
346163 2007 VZ_{307}	16.5	X	110.21460	14.08217	142.26869	0.71336	0.1112985	0.18178042	3.0862989	21	6 28.6	21.0
346164 2007 VY_{308}	16.1	X	293.06108	217.17210	71.81077	7.74497	0.1143757	0.17783708	3.1317554	21	4 5.8	20.6
346165 2007 VB_{309}	17.0	X	31.64193	30.64989	284.83868	8.17301	0.1237627	0.20629696	2.8366614	21	10 9.1	20.7
346166 2007 VV_{312}	15.6	X	43.28720	169.48044	78.56323	12.88288	0.0649377	0.18235755	3.0797837	21	7 24.9	19.8
346167 2007 VC_{314}	16.2	X	210.35609	149.95151	250.46669	11.81224	0.2627485	0.18371856	3.0645546	21	5 13.2	21.7
346168 2007 VE_{318}	16.6	X	146.28672	8.89260	117.24401	2.32116	0.1423855	0.17878173	3.1207139	21	7 1.7	21.6
346169 2007 VD_{320}	16.0	X	220.73074	196.98650	205.45489	9.74410	0.0979643	0.18825783	3.0150928	21	6 2.4	20.7
346170 2007 VA_{322}	15.8	X	195.42106	157.65725	239.46867	17.12431	0.1936950	0.17933323	3.1143126	21	4 28.6	21.1
346171 2007 VG_{325}	15.8	X	72.18384	156.83790	62.03500	10.53340	0.1058035	0.18635170	3.0356181	21	8 3.5	20.1
346172 2007 VL_{326}	16.2	X	340.38550	172.07084	86.37785	14.88566	0.1653585	0.25427820	2.4675348	21	4 22.0	19.0
346173 2007 VU_{331}	16.7	X	314.74326	275.24321	85.05960	10.02979	0.0647094	0.19549217	2.9402424	21	8 12.9	20.6
346174 2007 VJ_{334}	16.4	X	161.93002	339.56458	264.52335	3.13647	0.0393218	0.21245565	2.7815734	21	12 10.7	20.5
346175 2007 VV_{334}	15.6	X	106.43935	44.35732	76.07398	10.35153	0.0606712	0.17467624	3.1694226	21	5 5.9	20.2
346176 2007 WA_{2}	16.3	X	253.84618	327.83302	63.04145	12.08535	0.0836018	0.19101166	2.9860434	21	6 25.3	20.6
346177 2007 WO_{8}	16.2	X	231.78895	80.40011	354.60331	2.67686	0.1614675	0.19168481	2.9790485	21	7 19.4	20.8
346178 2007 WZ_{17}	16.3	X	329.45297	249.51488	88.22195	6.71508	0.1973773	0.19777278	2.9175952	21	7 20.3	19.3
346179 2007 WL_{22}	16.4	X	336.59498	46.88683	294.07421	5.11114	0.0842855	0.19994076	2.8964664	21	8 14.8	19.8
346180 2007 WU_{24}	16.2	X	115.34540	15.09301	90.82029	6.37164	0.0069218	0.17825074	3.1269084	21	4 21.1	20.6
346181 2007 WP_{33}	15.8	X	252.33032	69.20161	257.54927	17.01783	0.1562246	0.17928489	3.1148724	21	3 21.9	21.1
346182 2007 WF_{40}	16.2	X	278.79220	206.87773	187.96719	7.83398	0.2232775	0.19607070	2.9344559	21	7 10.5	20.5
346183 2007 WE_{42}	15.9	X	310.66512	305.03376	73.76728	9.84461	0.1111623	0.19954801	2.9002656	21	8 28.5	19.6
346184 2007 WX_{55}	16.4	X	105.19997	121.58918	38.93872	1.25608	0.1176521	0.18142958	3.0902764	21	6 29.0	20.8
346185 2007 WB_{56}	15.7	X	191.17825	352.22832	74.43482	18.54318	0.1368677	0.18349518	3.0670412	21	6 1.5	20.6
346186 2007 WH_{63}	16.3	X	235.78119	120.39682	275.49271	10.35362	0.0981917	0.18679294	3.0308358	21	6 9.8	20.9
346187 2007 WQ_{63}	16.0	X	255.65935	298.89514	92.09280	10.46734	0.0502094	0.18877670	3.0095654	21	7 2.7	20.3
346188 2007 XQ	15.6	X	181.29334	323.41553	113.98999	10.71284	0.0742392	0.18387212	3.0628482	21	6 5.9	20.3
346189 2007 XX_{1}	16.0	X	324.93478	283.64650	72.14877	10.23676	0.1531354	0.19879727	2.9075628	21	8 15.3	19.4
346190 2007 XN_{11}	15.6	X	340.90180	198.17138	57.96059	17.37298	0.0572277	0.17937823	3.1137917	21	5 5.3	19.8
346191 2007 XX_{11}	15.4	X	28.87940	340.85312	237.96144	14.17380	0.2105870	0.18173944	3.0867628	21	6 5.6	18.6
346192 2007 XY_{18}	16.1	X	169.20537	66.08316	34.58466	9.54575	0.1453428	0.18489806	3.0515078	21	6 21.8	21.1
346193 2007 XZ_{19}	16.4	X	242.77757	185.42739	264.48836	2.21897	0.1612021	0.19499541	2.9452339	21	8 17.2	20.8
346194 2007 XW_{20}	17.4	X	18.73786	265.01470	272.95449	19.57494	0.0264743	0.38591614	1.8684182	21	1 28.8	19.3
346195 2007 XC_{24}	16.2	X	273.14996	315.80791	83.30313	11.38910	0.0330863	0.19490898	2.9461046	21	8 10.8	20.4
346196 2007 XQ_{24}	17.9	X	348.10031	257.11544	277.41903	16.99798	0.0742107	0.37804184	1.8942740	21	—	—
346197 2007 XH_{25}	16.2	X	235.90757	319.35690	110.74264	2.12280	0.1516728	0.19022429	2.9942777	21	7 17.8	20.7
346198 2007 XR_{25}	15.4	X	169.34304	173.22481	260.05443	13.75441	0.0752493	0.17692888	3.1424635	21	5 16.8	20.2
346199 2007 XD_{27}	15.1	X	204.92235	85.59432	266.59337	19.44018	0.0644735	0.16969478	3.2311496	21	3 8.5	20.4
346200 2007 XD_{29}	16.6	X	146.04221	74.21127	54.27989	6.85544	0.0959849	0.18742518	3.0240160	21	7 1.7	21.3
346201 2007 XF_{31}	16.1	X	244.25501	88.72181	292.66341	7.86006	0.1001210	0.17836103	3.1256192	21	5 31.4	20.8
346202 2007 XZ_{33}	15.7	X	191.81530	338.39908	76.49547	17.07264	0.1496669	0.17952475	3.1120973	21	5 20.7	20.8
346203 2007 XR_{35}	15.6	X	255.42023	139.54300	261.51896	26.72645	0.0452294	0.19075726	2.9886978	21	7 10.2	20.1
346204 2007 XN_{44}	15.8	X	344.85333	147.75203	88.00670	17.09994	0.0279005	0.17307492	3.1889420	21	4 23.4	20.5
346205 2007 XF_{47}	15.8	X	198.16134	162.27558	283.10127	10.92214	0.1423172	0.18357364	3.0661673	21	6 30.6	20.7
346206 2007 XB_{53}	15.9	X	204.75493	329.48028	111.02575	6.26580	0.0607097	0.18271269	3.0757916	21	7 4.5	20.6
346207 2007 XB_{58}	16.0	X	322.07471	248.49856	77.26896	14.26273	0.1107589	0.18540100	3.0459867	21	6 29.4	19.8
346208 2007 XL_{58}	15.8	X	10.06814	299.86867	324.36136	8.46043	0.0493943	0.17848573	3.1241633	21	6 25.7	20.0
346209 2007 XZ_{58}	16.4	X	204.20638	306.31786	90.10339	6.06641	0.2348061	0.17603049	3.1531463	21	5 7.4	21.8
346210 2007 YY_{8}	15.6	X	115.85805	77.28780	77.62336	14.36737	0.0192000	0.17882330	3.1202303	21	6 21.4	20.0
346211 2007 YF_{10}	16.4	X	189.02978	328.56502	126.71682	3.62434	0.2489632	0.18285794	3.0741626	21	7 2.5	21.8
346212 2007 YS_{14}	17.9	X	40.48552	57.74745	64.06927	23.01252	0.1183802	0.37902856	1.8909850	21	—	—
346213 2007 YY_{22}	15.9	X	167.24386	55.22429	82.63947	14.98655	0.1389567	0.18285632	3.0741807	21	8 8.1	21.0
346214 2007 YP_{26}	16.5	X	252.44493	298.10088	79.08230	10.13365	0.1661978	0.18192174	3.0847003	21	5 29.1	21.2
346215 2007 YK_{31}	15.3	X	181.69527	141.30935	295.28517	15.74754	0.1457791	0.17765260	3.1339231	21	6 4.2	20.6
346216 2007 YW_{44}	17.4	X	313.59463	256.42645	301.57155	17.69868	0.0858862	0.36865566	1.9262920	21	—	—
346217 2007 YS_{47}	17.2	X	121.00543	272.01043	104.10935	23.55759	0.0826451	0.37307851	1.9110376	21	—	—
346218 2007 YJ_{50}	16.6	X	140.11981	53.87228	70.20264	2.23368	0.1393319	0.17571322	3.1569407	21	6 23.0	21.6
346219 2007 YC_{56}	15.6	X	170.13281	9.36903	101.46534	12.52298	0.1652019	0.18091472	3.0961366	21	7 5.9	20.5
346220 2007 YK_{57}	15.6	X	246.60999	143.60067	270.41605	12.07526	0.0492573	0.18980901	2.9986435	21	7 19.3	19.9
346221 2007 YA_{59}	15.8	X	241.26320	333.51393	86.39404	13.81820	0.2819613	0.18768280	3.0212482	21	6 28.4	20.8
346222 2007 YN_{59}	17.2	X	63.41277	341.73723	108.79199	25.50072	0.0553972	0.37232384	1.9136191	21	—	—
346223 2007 YJ_{60}	15.9	X	196.39812	65.26664	11.68680	10.32366	0.1578854	0.18182220	3.0858261	21	6 17.4	21.1
346224 2007 YA_{62}	16.6	X	222.52084	315.17077	127.41566	3.63152	0.0761389	0.18723531	3.0260601	21	7 26.1	20.9
346225 2007 YB_{66}	16.7	X	134.77440	215.23339	279.65626	0.58781	0.0792205	0.17500442	3.1654591	21	6 25.9	21.2
346226 2007 YH_{69}	16.1	X	106.18367	40.03971	102.90648	6.25647	0.0963476	0.17318884	3.1875434	21	6 5.8	20.6
346227 2008 AK_{3}	15.6	X	150.26659	22.35204	105.05881	11.11340	0.0752440	0.18146078	3.0899221	21	7 3.4	20.3
346228 2008 AL_{6}	15.9	X	105.43904	115.10106	86.18603	10.68569	0.0146342	0.19247813	2.9708573	21	8 9.9	20.1
346229 2008 AK_{12}	16.5	X	200.54972	325.27772	145.63006	4.40307	0.2175592	0.18507636	3.0495476	21	7 30.6	21.7
346230 2008 AE_{17}	16.3	X	213.70558	286.09817	135.30100	8.30769	0.2217496	0.18074861	3.0980333	21	6 12.8	21.7
346231 2008 AX_{36}	15.4	X	169.15366	169.31069	277.92395	18.10246	0.1442622	0.17571418	3.1569292	21	6 6.2	20.5
346232 2008 AF_{37}	16.4	X	173.68715	128.88780	310.11266	4.34856	0.1701499	0.17468624	3.1693017	21	5 31.1	21.6
346233 2008 AY_{37}	16.8	X	179.34783	154.82847	265.04453	3.92248	0.2164362	0.17446737	3.1719517	21	5 13.8	22.3
346234 2008 AZ_{59}	15.6	X	167.93919	31.58988	52.62978	10.21885	0.0717655	0.17523076	3.1627327	21	5 28.8	20.3
346235 2008 AC_{118}	16.4	X	153.24227	93.99908	48.82664	11.99480	0.2688943	0.17787478	3.1313129	21	8 6.1	22.1
346236 2008 BD_{5}	15.5	X	348.02721	225.24043	319.65314	8.05164	0.0800350	0.15438065	3.4414449	21	2 14.0	20.1
346237 2008 BW_{25}	15.1	X	66.57413	231.69190	318.29855	23.96665	0.1152184	0.17057341	3.2200441	21	6 20.5	19.8
346238 2008 BT_{39}	16.2	X	187.38831	312.78833	154.19780	11.23139	0.2381313	0.18208164	3.0828942	21	7 14.6	21.7
346239 2008 BP_{40}	16.2	X	324.57107	136.99389	354.20428	7.80512	0.1717243	0.21242255	2.7818624	21	—	—
346240 2008 BF_{43}	15.4	X	118.87423	268.79942	240.39065	22.50844	0.3443635	0.17170637	3.2058641	21	7 13.9	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346241 2008 BK_{43}	15.7	X	182.80532	26.39423	87.16282	18.09079	0.2344610	0.18142980	3.0902738	21	7 20.5	21.2
346242 2008 BY_{49}	16.1	X	178.86183	63.31728	63.35112	12.66695	0.2309691	0.18189550	3.0849970	21	8 4.9	21.6
346243 2008 CO_{19}	16.0	X	149.83235	45.04063	75.25018	9.44181	0.1512768	0.17527907	3.1621515	21	6 28.4	21.0
346244 2008 CX_{77}	15.7	X	167.49494	307.62757	156.39794	17.10364	0.2575212	0.17619089	3.1512323	21	6 27.8	21.5
346245 2008 CY_{115}	13.8	X	313.09833	112.22667	180.80020	30.07132	0.1128313	0.08456172	5.1406753	21	5 13.7	20.6
346246 2008 CX_{176}	15.2	X	85.57477	278.10842	270.50850	12.33816	0.1663236	0.17470994	3.1690151	21	7 16.2	19.8
346247 2008 CC_{180}	14.9	X	83.54507	87.95196	106.22218	22.23987	0.0486025	0.17657421	3.1466701	21	7 5.6	19.1
346248 2008 CW_{186}	17.4	X	87.86970	276.62082	111.62454	24.09876	0.1052398	0.36480904	1.9398091	21	—	—
346249 2008 DY_{4}	17.6	X	126.22469	349.96209	348.25203	20.25281	0.0701820	0.35737282	1.9666257	21	—	—
346250 2008 DP_{15}	16.3	X	319.70900	358.48293	78.59055	4.95848	0.1390747	0.21229151	2.7830070	21	11 27.0	19.2
346251 2008 DF_{57}	15.4	X	140.92031	334.89529	170.12486	17.95197	0.1578232	0.17707359	3.1407511	21	7 19.0	20.7
346252 2008 DC_{65}	15.6	X	151.35345	22.72296	115.70658	18.14559	0.1603113	0.17652678	3.1472336	21	7 22.5	20.7
346253 2008 DG_{84}	16.1	X	236.78985	15.94516	59.92105	16.58735	0.4121361	0.18592809	3.0402272	21	7 5.2	21.8
346254 2008 EY_{24}	15.8	X	165.17011	47.56601	87.90347	8.83483	0.0658753	0.17473826	3.1686726	21	7 30.8	20.6
346255 2008 EN_{29}	13.4	X	277.75921	305.24804	29.19048	25.98776	0.1481352	0.08154298	5.2667779	21	5 6.3	20.5
346256 2008 EP_{32}	15.0	X	118.14844	232.03470	272.38354	20.42390	0.1744503	0.17037679	3.2225211	21	6 28.9	20.0
346257 2008 ES_{65}	17.2	X	17.31693	275.86477	181.14538	22.54851	0.0666284	0.35940256	1.9592143	21	—	—
346258 2008 EB_{71}	17.6	X	262.57567	156.13371	354.11712	16.65752	0.0869781	0.34717369	2.0049560	21	—	—
346259 2008 ET_{81}	16.4	X	182.00086	289.52113	195.77273	13.16754	0.3219348	0.17943504	3.1131345	21	7 29.4	22.3
346260 2008 ER_{130}	15.3	X	272.15820	14.25985	134.48046	6.06046	0.1213507	0.12467805	3.9683445	21	11 29.0	20.8
346261 Alexandrescu	18.0	X	212.82743	125.94580	201.36855	6.58632	0.1725181	0.29301228	2.2449784	21	2 6.9	21.6
346262 2008 FK_{10}	15.5	X	100.70792	3.22694	161.90760	14.80845	0.0774445	0.16902707	3.2396534	21	6 24.6	20.4
346263 2008 FR_{83}	15.1	X	297.09474	56.62194	72.81541	3.98441	0.1692419	0.12443030	3.9736104	21	12 1.8	20.3
346264 2008 FK_{100}	13.7	X	312.92060	196.13016	112.53903	7.13455	0.1214442	0.08204199	5.2453998	21	5 29.3	20.3
346265 2008 FA_{107}	15.4	X	56.82367	342.02533	49.35735	7.24093	0.0250759	0.12582502	3.9441920	21	—	—
346266 2008 FX_{125}	17.5	X	236.31470	225.22772	1.27618	3.31528	0.1849141	0.27449154	2.3448591	21	—	—
346267 2008 FA_{131}	13.0	X	263.93752	307.69975	55.34330	12.18194	0.0640327	0.08410618	5.1592205	21	6 7.4	19.9
346268 2008 FB_{134}	13.7	X	9.84784	53.55146	210.22669	20.40246	0.0982194	0.08408393	5.1601311	21	6 24.4	20.3
346269 2008 GS_{38}	17.6	X	259.89231	139.60713	188.56297	6.29169	0.1528893	0.29547892	2.2324670	21	3 27.3	20.5
346270 2008 GR_{40}	17.5	X	258.06098	118.97435	163.78641	6.73125	0.1247216	0.28953852	2.2628989	21	1 27.4	20.7
346271 2008 GZ_{71}	18.4	X	2.85455	104.15580	160.15314	3.03161	0.1332163	0.30893880	2.1671439	21	6 8.4	19.8
346272 2008 GT_{74}	18.2	X	274.51995	153.43375	166.38295	7.46581	0.2151842	0.29866369	2.2165682	21	3 26.3	21.5
346273 2008 GB_{82}	18.2	X	6.63191	181.40755	87.44891	4.90221	0.1609761	0.30949088	2.1645659	21	6 25.8	19.2
346274 2008 GS_{99}	14.1	X	343.33090	90.34315	197.71168	13.76254	0.1441533	0.08254860	5.2239168	21	6 14.6	20.5
346275 2008 GT_{137}	17.8	X	320.48725	228.59014	72.30076	4.61009	0.1962490	0.30241849	2.1981829	21	5 1.8	19.8
346276 2008 GA_{140}	17.8	X	354.00565	287.80171	38.54231	0.74096	0.1841499	0.31627737	2.1334901	21	9 13.1	18.6
346277 2008 GE_{140}	17.9	X	186.30170	100.02562	194.89836	1.73079	0.2073270	0.27697210	2.3308377	21	—	—
346278 2008 GR_{141}	13.4	X	336.48320	248.71628	60.89073	14.53678	0.0866053	0.08247646	5.2269625	21	7 3.5	20.0
346279 2008 HQ_{10}	18.6	X	315.25162	226.82452	59.61378	1.85625	0.2445663	0.29847694	2.2174927	21	3 24.2	21.2
346280 2008 HU_{35}	17.6	X	358.56362	195.97063	58.49610	8.69720	0.1374286	0.30427451	2.1892348	21	5 12.1	19.2
346281 2008 JV_{4}	17.7	X	290.78450	271.01655	31.91742	10.04483	0.3350862	0.29530560	2.2333404	21	3 11.4	21.3
346282 2008 JL_{26}	15.5	X	105.85882	181.17128	323.37112	27.71814	0.1050950	0.17480356	3.1678835	21	6 8.1	20.6
346283 2008 JR_{32}	18.4	X	306.94366	252.15378	57.24956	5.23782	0.1213337	0.30234101	2.1985584	21	5 5.3	20.8
346284 2008 JK_{36}	18.2	X	273.13439	131.91556	177.80776	5.76896	0.1532825	0.29303805	2.2448468	21	3 17.5	21.0
346285 2008 KN_{19}	18.3	X	64.49607	100.58974	142.45032	3.34367	0.0697282	0.31495406	2.1394620	21	8 25.0	20.3
346286 2008 KF_{27}	17.4	X	359.46855	233.11027	215.60632	20.86395	0.0478581	0.34639027	2.0079779	21	—	—
346287 2008 LP_{11}	18.1	X	40.53875	38.88783	186.56850	5.50702	0.1063164	0.30620693	2.1800144	21	6 21.3	20.1
346288 2008 NP_{2}	17.3	X	269.96069	335.83457	292.39829	8.87173	0.1916015	0.28071081	2.3100956	21	1 18.5	20.8
346289 2008 NY_{3}	17.5	X	181.58865	98.41659	230.57773	11.12230	0.2252614	0.26584323	2.3954419	21	1 18.1	21.6
346290 2008 OF_{10}	17.3	X	139.06208	46.04225	322.69100	9.00610	0.2823277	0.26500328	2.4005010	21	2 6.5	20.7
346291 2008 OM_{20}	17.5	X	199.98694	2.65891	293.28348	2.01389	0.1828193	0.26723101	2.3871414	21	—	—
346292 2008 OG_{21}	17.4	X	159.51748	96.90942	336.42021	5.93190	0.2040548	0.28000368	2.3139833	21	5 6.7	21.1
346293 2008 PG_{3}	17.0	X	210.21247	350.90922	310.69407	6.30425	0.2336874	0.27064959	2.3669975	21	1 11.4	21.0
346294 2008 PH_{6}	18.1	X	225.04530	112.24534	171.52976	1.19987	0.1734786	0.27185171	2.3600145	21	—	—
346295 2008 PW_{7}	17.5	X	170.98528	185.95281	163.00230	7.39231	0.2517586	0.26939867	2.3743191	21	2 5.6	21.3
346296 2008 PA_{9}	18.1	X	225.01463	79.46995	232.36951	3.98570	0.2419882	0.27659912	2.3329326	21	2 1.2	22.2
346297 2008 PK_{12}	15.9	X	144.83329	256.58813	320.88011	21.62637	0.0430726	0.23886036	2.5726063	21	10 9.6	20.1
346298 2008 PH_{15}	18.4	X	223.25308	117.43172	182.93732	0.97151	0.1957024	0.27359149	2.3499989	21	1 18.6	22.1
346299 2008 PS_{21}	17.0	X	40.21451	308.74997	39.32459	2.50692	0.2162626	0.23183547	2.6243160	21	12 25.1	20.4
346300 2008 QK	17.1	X	238.03264	275.02816	11.00696	6.77304	0.1042671	0.27446740	2.3449965	21	1 17.2	20.6
346301 2008 QD_{2}	17.4	X	139.22171	49.97239	318.89221	3.63780	0.2540861	0.26272845	2.4143375	21	2 3.7	21.0
346302 2008 QS_{3}	17.5	X	192.59996	249.93691	87.42850	2.32958	0.1990827	0.26759058	2.3850025	21	2 8.5	21.3
346303 2008 QZ_{6}	17.9	X	179.74741	55.18350	303.34353	0.36423	0.2023051	0.27114978	2.3640856	21	2 22.2	21.7
346304 2008 QV_{9}	17.8	X	178.77313	326.13028	357.78901	0.98589	0.2018166	0.26559232	2.3969503	21	1 11.2	21.5
346305 2008 QW_{9}	17.7	X	208.95957	138.98279	181.48502	1.19368	0.1998498	0.27073483	2.3665007	21	1 31.4	21.6
346306 2008 QF_{10}	17.7	X	206.34425	350.79887	336.74570	2.11960	0.2308961	0.27201155	2.3590899	21	2 7.8	21.6
346307 2008 QK_{10}	16.7	X	342.65378	147.20908	174.95258	5.43277	0.0569969	0.22187937	2.7022453	21	7 31.7	20.1
346308 2008 QA_{11}	17.6	X	200.88302	158.22769	171.48383	2.55556	0.2216320	0.27046165	2.3680939	21	2 5.3	21.4
346309 2008 QK_{12}	16.8	X	174.97396	6.52594	339.07312	5.05158	0.2243679	0.26766222	2.3845769	21	2 5.1	20.5
346310 2008 QS_{12}	17.9	X	182.23280	312.69651	359.89586	1.37723	0.1822316	0.26569180	2.3963520	21	—	—
346311 2008 QJ_{13}	17.5	X	153.64384	5.18588	352.60700	0.92897	0.2094624	0.26403422	2.4063709	21	1 30.2	21.0
346312 2008 QB_{14}	17.9	X	149.04046	34.75465	324.57097	2.80120	0.0960822	0.26525873	2.3989595	21	1 13.5	21.1
346313 2008 QK_{17}	17.7	X	157.61600	347.59432	337.53947	1.76574	0.1875912	0.26035805	2.4289694	21	—	—
346314 2008 QV_{19}	17.6	X	200.52281	183.50391	185.89491	6.69296	0.1265513	0.27811318	2.3244578	21	3 23.5	21.1
346315 2008 QE_{24}	17.8	X	284.23594	64.53319	214.15721	3.04163	0.1444225	0.27942254	2.3171906	21	2 18.6	21.0
346316 2008 QM_{26}	18.0	X	190.43606	273.30499	84.62571	2.44694	0.2048265	0.27377173	2.3489674	21	3 3.8	21.8
346317 2008 QC_{31}	17.0	X	220.88554	58.62462	264.45632	5.43720	0.1506285	0.27343800	2.3508782	21	2 11.4	20.8
346318 2008 QX_{32}	17.4	X	185.51520	358.85531	315.46179	4.67177	0.1142860	0.26460365	2.4029173	21	—	—
346319 2008 QX_{35}	17.7	X	211.85833	171.21740	167.27765	6.85873	0.1863217	0.27481137	2.3430394	21	2 23.8	21.6
346320 2008 QO_{39}	16.2	X	7.83163	87.33569	186.40684	13.56038	0.0438639	0.21458617	2.7631316	21	7 2.8	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346321 2008 QY_{39}	17.6	X	128.80815	20.51021	333.99064	4.48519	0.2129848	0.25856767	2.4401690	21	—	—
346322 2008 QW_{41}	16.3	X	206.16542	124.80991	345.63664	10.90689	0.0374984	0.22314807	2.6919932	21	8 19.0	20.0
346323 2008 QM_{48}	17.1	X	28.05072	237.75527	329.43387	5.22365	0.1049011	0.28219141	2.3020082	21	4 25.9	19.4
346324 2008 RF	17.3	X	149.94526	327.84120	29.77717	5.60008	0.2418228	0.26342020	2.4101089	21	1 31.6	21.0
346325 2008 RN_{1}	16.9	X	147.32891	334.54702	45.79089	6.81507	0.2249636	0.26693125	2.3889282	21	2 25.4	20.6
346326 2008 RX_{4}	17.7	X	145.63951	58.08726	325.48388	1.72424	0.2017432	0.26584835	2.3954112	21	2 22.0	21.2
346327 2008 RM_{5}	17.4	X	270.00487	143.78276	129.89679	2.47847	0.0662011	0.27135671	2.3628836	21	2 6.9	20.4
346328 2008 RD_{15}	17.1	X	179.09364	325.03015	319.05922	6.44759	0.1181816	0.25599250	2.4565064	21	—	—
346329 2008 RZ_{18}	17.8	X	191.07523	308.96809	331.02606	5.36838	0.1174962	0.25787213	2.4445548	21	—	—
346330 2008 RZ_{21}	17.8	X	197.87428	231.11641	108.61319	2.92698	0.2292173	0.27241827	2.3567412	21	2 16.2	21.6
346331 2008 RG_{27}	16.0	X	223.91176	124.27964	330.41775	12.13668	0.2609357	0.21516711	2.7581558	21	7 30.8	20.7
346332 2008 RW_{29}	17.1	X	184.15034	307.77575	352.98829	7.56323	0.1330496	0.26088865	2.4256749	21	—	—
346333 2008 RK_{31}	17.9	X	167.12837	129.35288	185.12487	2.24718	0.2002063	0.26100211	2.4249719	21	—	—
346334 2008 RT_{39}	17.4	X	257.73704	59.48959	184.31516	5.77121	0.0732318	0.26256850	2.4153179	21	—	—
346335 2008 RS_{41}	17.4	X	66.35194	342.04953	172.65474	4.18837	0.1152092	0.27620858	2.3351311	21	4 22.3	19.7
346336 2008 RO_{44}	18.0	X	242.18921	131.55617	157.07843	1.61486	0.1735641	0.27127997	2.3633293	21	1 21.1	21.7
346337 2008 RK_{48}	17.1	X	161.62578	342.57707	21.17699	7.00802	0.1310591	0.26789344	2.3832046	21	2 8.9	20.5
346338 2008 RM_{50}	17.5	X	275.39368	26.62094	263.53615	4.74080	0.1042611	0.27979231	2.3151486	21	2 26.9	20.6
346339 2008 RE_{58}	17.3	X	262.62680	223.90003	2.33566	5.13565	0.1097740	0.26088069	2.4257242	21	—	—
346340 2008 RP_{68}	16.8	X	129.34447	323.18593	11.46128	11.14733	0.1675850	0.25460238	2.4654398	21	—	—
346341 2008 RE_{69}	17.5	X	258.75553	340.23304	287.96991	3.04001	0.1606553	0.26918378	2.3755825	21	1 12.1	21.2
346342 2008 RA_{72}	17.3	X	184.25023	146.19315	161.60905	6.63365	0.1421245	0.26497005	2.4007016	21	—	—
346343 2008 RJ_{77}	17.2	X	50.16384	313.92169	359.86489	13.56325	0.2850482	0.23544167	2.5974498	21	11 30.4	21.2
346344 2008 RA_{81}	15.3	X	288.83591	288.61379	246.26797	24.73143	0.2378318	0.23462282	2.6034898	21	—	—
346345 2008 RB_{86}	16.9	X	146.55810	135.53509	243.35648	6.04391	0.1451742	0.26476280	2.4019543	21	2 8.3	20.3
346346 2008 RD_{98}	17.3	X	55.87293	147.62879	231.43465	1.96822	0.0982833	0.23872328	2.5735910	21	—	—
346347 2008 RA_{110}	18.2	X	82.75757	192.45384	228.92921	2.37709	0.1755152	0.25938180	2.4350603	21	1 14.3	20.6
346348 2008 RY_{111}	17.0	X	55.68557	185.04410	341.52995	4.91742	0.1371479	0.27503746	2.3417551	21	4 20.5	19.2
346349 2008 RN_{114}	17.7	X	209.28349	249.28139	29.51967	0.73570	0.1847770	0.25932621	2.4354083	21	—	—
346350 2008 RX_{114}	17.7	X	189.78478	135.41441	195.30017	4.12648	0.2158569	0.26444124	2.4039011	21	1 28.4	21.6
346351 2008 RB_{118}	17.3	X	353.82042	326.21443	328.77207	2.64682	0.1750163	0.21680848	2.7442176	21	7 10.3	19.9
346352 2008 RM_{118}	17.2	X	280.95740	252.72093	351.98577	2.19961	0.1427930	0.26533624	2.3984923	21	1 7.0	20.6
346353 2008 RU_{120}	17.3	X	16.64147	297.97089	113.24124	0.99518	0.1495147	0.23785272	2.5798669	21	—	—
346354 2008 RO_{129}	17.5	X	15.84982	205.91377	200.79978	1.80514	0.0542434	0.23523103	2.5990002	21	—	—
346355 2008 RH_{130}	16.8	X	289.38611	133.39131	232.81646	1.79094	0.1313278	0.21452298	2.7636742	21	7 1.9	20.4
346356 2008 RM_{133}	16.8	X	127.42778	306.03264	72.12841	5.46956	0.1547377	0.26115316	2.4240367	21	1 21.1	19.9
346357 2008 RR_{137}	17.2	X	193.49055	37.11326	308.69746	5.11273	0.0737497	0.26912647	2.3759198	21	2 12.5	20.6
346358 2008 RV_{138}	17.1	X	257.68971	165.35701	153.93553	10.07307	0.1281690	0.27787427	2.3257900	21	3 19.4	20.4
346359 2008 RW_{138}	16.3	X	343.00556	285.16229	41.82780	9.61474	0.1568700	0.22067572	2.7120624	21	8 10.4	19.2
346360 2008 RF_{139}	17.0	X	117.78024	179.49494	338.83819	6.33093	0.1046305	0.29060118	2.2573790	21	7 10.7	20.0
346361 2008 RP_{140}	16.8	X	296.84371	151.35916	227.04396	3.83519	0.1170398	0.22169701	2.7037269	21	7 31.1	20.2
346362 2008 RS_{141}	17.8	X	89.95638	83.48109	319.69631	1.45788	0.1699551	0.25856064	2.4402132	21	1 1.3	20.2
346363 2008 ST_{2}	17.1	X	172.68249	324.44436	16.01137	3.05437	0.1973735	0.26416773	2.4055600	21	1 26.4	20.8
346364 2008 SZ_{3}	17.6	X	120.75944	250.03123	131.98939	3.14818	0.2140313	0.25966172	2.4333099	21	1 25.7	20.8
346365 2008 SR_{6}	17.5	X	123.34780	295.93345	85.20446	3.04258	0.1893691	0.25980063	2.4324425	21	1 24.8	20.6
346366 2008 SW_{6}	16.6	X	6.94681	257.19612	56.44286	7.77815	0.2229488	0.22507543	2.6766032	21	9 17.0	19.1
346367 2008 SF_{18}	17.1	X	103.77981	188.03658	208.83652	6.64545	0.1314535	0.25854817	2.4402917	21	1 7.9	20.0
346368 2008 SG_{18}	16.9	X	357.14621	228.47727	323.29599	3.70000	0.0317522	0.27027852	2.3691635	21	2 18.1	19.6
346369 2008 SQ_{18}	17.7	X	97.30454	267.24908	130.67476	2.10460	0.1976643	0.26009888	2.4305826	21	1 10.2	20.1
346370 2008 SE_{27}	17.8	X	147.83396	198.94216	190.76557	2.19856	0.1992684	0.26665911	2.3905533	21	3 3.2	21.3
346371 2008 SO_{29}	17.5	X	175.38166	95.50488	252.82813	1.72289	0.2227485	0.26614859	2.3936094	21	2 7.3	21.3
346372 2008 SW_{33}	17.5	X	120.31121	10.17959	355.01287	3.91795	0.1975551	0.25893273	2.4378749	21	1 1.2	20.5
346373 2008 SA_{39}	17.4	X	241.93429	119.59230	154.68002	2.48350	0.1891755	0.26655111	2.3911990	21	1 3.9	21.4
346374 2008 SZ_{39}	16.9	X	31.25739	342.79547	179.89478	6.53302	0.1125723	0.26794845	2.3828784	21	2 26.6	19.1
346375 2008 SH_{46}	17.3	X	91.46593	275.83343	187.13518	6.56127	0.0659753	0.26752240	2.3854077	21	3 9.8	20.0
346376 2008 SL_{46}	17.5	X	163.98359	184.88999	174.35876	2.66376	0.1897376	0.26404196	2.4063239	21	2 8.3	21.1
346377 2008 SM_{46}	17.5	X	143.70529	226.88257	155.95494	2.36662	0.0973284	0.26311841	2.4119515	21	2 6.5	20.5
346378 2008 SB_{47}	16.8	X	43.64728	259.95451	45.15022	3.64505	0.2766801	0.23130724	2.6283099	21	11 13.4	20.1
346379 2008 SQ_{48}	17.7	X	82.94509	251.42004	204.62848	3.31752	0.1708267	0.26501444	2.4004336	21	3 3.1	20.2
346380 2008 SC_{53}	17.3	X	9.30686	200.05453	16.46892	3.93480	0.1008583	0.27850320	2.3222872	21	4 7.6	19.3
346381 2008 SD_{54}	16.9	X	283.71749	48.87970	342.81520	0.68799	0.1125505	0.21817865	2.7327163	21	8 1.1	20.4
346382 2008 SN_{56}	18.2	X	102.84626	204.81367	178.25909	2.50034	0.2045137	0.25478750	2.4642455	21	1 1.2	20.8
346383 2008 SO_{56}	17.0	X	358.91652	299.80284	13.57646	8.98580	0.2650896	0.22343075	2.6897221	21	8 29.5	19.0
346384 2008 SW_{60}	17.7	X	150.42297	138.45383	192.54616	8.80344	0.2415415	0.25933619	2.4353458	21	—	—
346385 2008 SW_{62}	17.2	X	201.29336	44.31735	277.42944	1.65641	0.2079477	0.26839923	2.3802096	21	1 27.2	21.0
346386 2008 SM_{64}	17.1	X	169.63006	43.17076	319.18494	7.37940	0.1288345	0.26903815	2.3764397	21	2 12.1	20.5
346387 2008 SO_{64}	16.4	X	317.58898	89.30258	292.16830	6.38052	0.1396524	0.22667714	2.6639797	21	9 4.4	19.3
346388 2008 SS_{71}	17.3	X	249.06574	188.27480	127.85357	3.91268	0.2372117	0.27668928	2.3324257	21	2 27.2	21.0
346389 2008 SF_{76}	17.8	X	166.69452	78.24946	220.54157	2.75284	0.2003698	0.25739332	2.4475855	21	—	—
346390 2008 SZ_{77}	17.8	X	191.34051	123.70089	200.45461	3.68167	0.2394782	0.26708795	2.3879938	21	1 22.8	21.9
346391 2008 SV_{84}	16.8	X	337.70083	31.28039	4.55985	12.41983	0.1656803	0.22880915	2.6474055	21	11 2.6	19.5
346392 2008 SK_{87}	17.4	X	144.13049	239.20708	139.84427	3.83705	0.2028064	0.26587922	2.3952258	21	2 15.2	20.6
346393 2008 SQ_{87}	17.1	X	144.15993	229.71709	157.21687	7.05241	0.2560952	0.26623194	2.3931097	21	3 2.7	20.7
346394 2008 SL_{100}	17.1	X	235.70816	218.56532	52.31082	7.86500	0.2110238	0.26357457	2.4091678	21	—	—
346395 2008 SE_{101}	17.4	X	92.87222	168.70870	141.02497	4.80342	0.1723470	0.24007633	2.5639123	21	12 28.8	21.5
346396 2008 SY_{106}	17.6	X	74.73597	278.26870	176.63418	2.58399	0.1503289	0.25911897	2.4367066	21	2 13.7	20.1
346397 2008 SC_{116}	16.5	X	123.96248	192.43268	165.20446	8.94007	0.0278492	0.25409157	2.4687430	21	—	—
346398 2008 SB_{120}	17.9	X	60.24084	301.92123	186.55144	2.13514	0.1560085	0.26311627	2.4119645	21	3 8.2	19.9
346399 2008 SO_{120}	16.5	X	282.56921	129.29051	186.55497	1.86744	0.0543990	0.20130797	2.8833370	21	4 29.5	20.4
346400 2008 SA_{129}	17.4	X	109.83156	115.87610	259.22476	3.09921	0.1178294	0.25325780	2.4741584	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346401 2008 SC_{137}	17.1	X	260.45600	251.69853	148.67978	5.06291	0.0786178	0.21481721	2.7611500	21	7 16.8	20.8
346402 2008 SF_{148}	17.1	X	332.26799	43.04991	233.64830	7.00323	0.1302796	0.28662427	2.2782117	21	4 26.5	19.2
346403 2008 SL_{149}	16.3	X	138.73621	238.31271	259.55238	8.00537	0.1068549	0.20992271	2.8039037	21	7 5.6	20.5
346404 2008 SB_{152}	16.7	X	128.56384	345.51762	37.91846	4.76113	0.2873967	0.26078424	2.4263223	21	2 17.4	20.2
346405 2008 SU_{152}	16.8	X	3.43992	352.07468	0.37882	11.96982	0.1909708	0.23159803	2.6261094	21	10 25.9	19.5
346406 2008 SO_{154}	17.6	X	213.08195	244.40261	78.39280	1.70941	0.2322623	0.27158458	2.3615618	21	2 7.7	21.5
346407 2008 SE_{156}	17.7	X	128.63761	253.41736	88.05374	2.64444	0.2066694	0.25527599	2.4611008	21	—	—
346408 2008 SF_{156}	17.4	X	187.05559	256.70235	76.09102	3.76145	0.1988291	0.26602539	2.3943483	21	1 29.7	21.2
346409 2008 SG_{156}	17.3	X	162.71828	299.33672	45.54097	5.72482	0.2477233	0.26298113	2.4127908	21	1 28.0	21.2
346410 2008 SM_{159}	16.6	X	14.53597	310.48767	1.96660	14.26942	0.2681381	0.22745986	2.6578647	21	10 3.0	18.8
346411 2008 SP_{164}	17.1	X	106.77246	258.55944	174.01606	8.36779	0.1321733	0.26460844	2.4028883	21	3 1.1	19.9
346412 2008 SW_{164}	16.0	X	340.50779	352.90741	25.40932	15.03224	0.1371656	0.22769214	2.6560568	21	10 17.8	18.6
346413 2008 SK_{166}	16.5	X	348.35753	320.30055	29.94957	9.82769	0.1258122	0.22477187	2.6790126	21	9 24.7	19.4
346414 2008 SP_{178}	17.6	X	187.41404	302.24867	41.24265	3.15058	0.1932019	0.26972813	2.3723853	21	2 11.6	21.4
346415 2008 SZ_{180}	17.3	X	266.56790	103.14992	197.26163	5.32692	0.0969310	0.27379361	2.3488422	21	3 4.9	20.6
346416 2008 SH_{182}	17.7	X	78.25050	13.74656	64.26846	2.22176	0.1633011	0.25726739	2.4483842	21	1 30.4	20.0
346417 2008 SJ_{182}	17.8	X	101.48540	276.55311	146.62081	1.81846	0.1610582	0.25984286	2.4321790	21	2 15.0	20.3
346418 2008 SW_{183}	17.1	X	87.31177	151.19995	160.86225	3.60156	0.2151975	0.24010418	2.5637139	21	12 29.6	21.3
346419 2008 SC_{192}	16.8	X	317.31380	251.15143	146.18244	4.30043	0.1121812	0.22485174	2.6783781	21	10 4.0	19.7
346420 2008 SK_{193}	17.0	X	3.98020	124.82214	60.95621	7.11843	0.0497957	0.26720853	2.3872753	21	2 22.8	19.9
346421 2008 SO_{193}	16.8	X	104.35628	329.51943	64.30515	5.79485	0.1015296	0.25623126	2.4549801	21	1 2.2	19.7
346422 2008 SP_{196}	17.3	X	126.23501	269.36845	42.09921	5.74280	0.1057204	0.24386878	2.5372616	21	—	—
346423 2008 ST_{197}	17.3	X	330.35907	65.93440	63.22904	4.91735	0.0922002	0.24395302	2.5366774	21	—	—
346424 2008 SB_{205}	17.0	X	105.83800	243.59321	60.58524	8.96101	0.1607711	0.23917565	2.5703449	21	—	—
346425 2008 SF_{206}	17.0	X	336.35184	117.92140	72.86875	7.37181	0.1258906	0.25905300	2.4371203	21	1 7.4	19.9
346426 2008 SF_{219}	17.2	X	144.55848	79.47424	324.03231	4.32500	0.0698402	0.26957278	2.3732967	21	3 1.6	20.2
346427 2008 SL_{224}	16.8	X	268.77411	126.13255	265.67596	1.05873	0.1046259	0.21395592	2.7685551	21	7 12.7	20.6
346428 2008 ST_{235}	17.4	X	350.88198	23.26727	14.45340	2.30706	0.0854125	0.22739147	2.6583976	21	11 28.3	20.5
346429 2008 SM_{238}	17.5	X	179.90738	240.12546	89.24099	3.27958	0.1940715	0.26252056	2.4156119	21	1 18.9	21.2
346430 2008 SE_{242}	17.9	X	125.09085	315.47026	42.90254	1.89368	0.1843809	0.25653840	2.4530202	21	—	—
346431 2008 SJ_{242}	17.5	X	88.79553	353.75216	13.22106	0.83908	0.1319370	0.24769282	2.5110793	21	—	—
346432 2008 SA_{248}	18.0	X	93.15251	333.79934	76.50517	1.96272	0.2111485	0.25664244	2.4523572	21	1 24.5	20.5
346433 2008 SY_{248}	17.5	X	157.91886	106.03354	158.34606	6.20225	0.1607190	0.24398284	2.5364708	21	12 31.9	21.7
346434 2008 SK_{253}	16.8	X	318.71175	119.36746	63.11131	8.30152	0.1246829	0.25527373	2.4611153	21	—	—
346435 2008 SZ_{254}	17.2	X	167.64403	283.15514	67.82967	5.73225	0.1267310	0.26350363	2.4096002	21	1 29.2	20.7
346436 2008 SU_{258}	17.1	X	174.78534	111.57254	259.17547	5.37717	0.1495229	0.26886234	2.3774756	21	2 27.1	20.7
346437 2008 SZ_{265}	16.5	X	169.14541	166.80381	37.76729	14.12050	0.1337326	0.22696170	2.6617525	21	10 30.4	20.7
346438 2008 SX_{267}	16.9	X	284.37239	44.37258	189.43219	6.93899	0.1327006	0.26066228	2.4270790	21	—	—
346439 2008 SC_{282}	17.2	X	86.92130	128.33290	227.42706	7.55740	0.2801411	0.24389764	2.5370614	21	—	—
346440 2008 SJ_{302}	15.7	X	117.97206	294.46258	354.16183	12.80450	0.1751166	0.23934474	2.5691342	21	12 26.7	20.1
346441 2008 SH_{308}	16.8	X	156.95235	57.21090	253.23355	5.90881	0.2447182	0.25261416	2.4783592	21	—	—
346442 2008 TO_{2}	16.0	X	31.31024	153.03743	176.31862	30.07776	0.2333593	0.23210922	2.6222522	21	11 25.2	19.9
346443 2008 TP_{7}	17.4	X	228.75019	285.56033	23.71359	6.56883	0.1304212	0.27026640	2.3692343	21	2 7.0	21.0
346444 2008 TD_{8}	17.2	X	261.64428	182.38262	117.92933	3.55688	0.1717352	0.27548572	2.3392142	21	2 22.9	20.8
346445 2008 TW_{15}	17.1	X	219.25050	342.34611	331.00405	3.66866	0.1204674	0.26910265	2.3760600	21	1 31.9	20.6
346446 2008 TL_{19}	17.6	X	215.44166	262.44767	30.24089	1.58949	0.2195098	0.26163633	2.4210515	21	1 5.5	21.8
346447 2008 TM_{20}	17.5	X	20.62810	180.14832	209.53172	3.43173	0.1854707	0.23596080	2.5936387	21	—	—
346448 2008 TL_{21}	17.2	X	131.35875	267.84966	29.48337	3.58043	0.0642280	0.24085781	2.5583633	21	—	—
346449 2008 TF_{22}	17.7	X	45.70735	264.55813	197.63605	0.81517	0.1481772	0.25321112	2.4744624	21	1 1.1	19.9
346450 2008 TQ_{23}	17.0	X	25.62276	112.78568	178.21029	13.92974	0.1107388	0.22482178	2.6786161	21	8 30.1	20.2
346451 2008 TY_{26}	16.5	X	109.80730	59.24966	205.28279	13.14475	0.2418545	0.22747125	2.6577760	21	11 23.4	21.1
346452 2008 TW_{39}	17.0	X	249.79439	86.90356	0.37001	1.28390	0.0469257	0.21887704	2.7269002	21	9 9.1	20.7
346453 2008 TJ_{47}	16.5	X	345.96923	308.11972	46.62902	15.26606	0.1657205	0.22334106	2.6904422	21	10 1.8	19.4
346454 2008 TE_{50}	17.5	X	8.88463	6.73659	174.13033	0.97693	0.1294088	0.26795589	2.3828343	21	2 11.4	19.8
346455 2008 TE_{60}	17.8	X	128.46732	301.11966	36.72509	5.04624	0.1982473	0.25312543	2.4750209	21	—	—
346456 2008 TF_{66}	17.6	X	27.53362	40.33812	82.21237	2.62311	0.1352761	0.25504234	2.4626037	21	—	—
346457 2008 TR_{72}	17.0	X	250.43911	285.70597	224.01687	11.61700	0.2018697	0.22892472	2.6465143	21	11 8.6	20.6
346458 2008 TB_{78}	17.9	X	99.73022	17.88082	35.65002	2.03146	0.1747419	0.25948693	2.4344025	21	2 2.3	20.6
346459 2008 TR_{84}	18.0	X	178.94271	126.98140	191.15636	1.93989	0.2363114	0.26219560	2.4176075	21	1 6.8	21.8
346460 2008 TZ_{84}	17.5	X	242.57605	119.91273	194.08552	6.11164	0.1116117	0.27429882	2.3459572	21	2 22.6	21.0
346461 2008 TK_{86}	17.0	X	12.80441	273.58043	200.92946	5.65634	0.1015181	0.25386469	2.4702136	21	—	—
346462 2008 TZ_{90}	17.8	X	95.11998	269.38598	55.05302	5.76783	0.2473458	0.24314820	2.5422720	21	—	—
346463 2008 TB_{94}	17.9	X	187.95346	285.72152	41.13850	3.15586	0.1978762	0.26514133	2.3996676	21	1 23.3	21.8
346464 2008 TC_{116}	17.6	X	238.17628	120.98143	264.83841	5.58524	0.1126972	0.28371419	2.2937637	21	5 24.8	20.9
346465 2008 TN_{120}	16.8	X	342.70685	258.94096	148.49033	5.15448	0.2491242	0.23230762	2.6207589	21	12 14.0	18.9
346466 2008 TZ_{120}	17.4	X	340.26937	40.77609	64.10774	4.78585	0.1634299	0.24154318	2.5535215	21	—	—
346467 2008 TG_{131}	16.7	X	110.63277	178.01898	225.92811	9.49504	0.0129673	0.25961944	2.4335741	21	1 8.8	19.9
346468 2008 TF_{134}	17.2	X	148.91800	137.14568	244.88417	4.48339	0.1422861	0.26347572	2.4097703	21	2 15.3	20.6
346469 2008 TR_{151}	17.0	X	250.75845	272.49067	28.83727	9.60144	0.1221390	0.27327229	2.3518285	21	2 20.7	20.6
346470 2008 TW_{158}	17.3	X	35.65622	80.43297	258.54387	1.96546	0.1724681	0.23520007	2.5992283	21	12 1.8	20.6
346471 2008 TA_{160}	16.4	X	347.12183	278.65571	80.34473	10.50103	0.1114828	0.22598541	2.6694130	21	10 7.5	19.5
346472 2008 TH_{165}	17.6	X	349.29788	194.89176	235.34138	2.48911	0.1020100	0.23640151	2.5904142	21	—	—
346473 2008 TH_{168}	16.3	X	44.72117	267.46445	101.22597	15.67455	0.1306241	0.23788220	2.5796538	21	—	—
346474 2008 TK_{180}	16.9	X	87.20808	242.36635	147.02199	11.97641	0.2026690	0.25318729	2.4746177	21	—	—
346475 2008 TM_{182}	17.1	X	86.87797	333.96104	96.60407	4.95748	0.1170945	0.25719768	2.4488265	21	1 28.2	19.7
346476 2008 TJ_{183}	16.5	X	28.67711	277.71650	252.00725	6.06443	0.0540928	0.27046741	2.3680603	21	3 2.2	19.3
346477 2008 TO_{185}	17.1	X	68.88224	268.22067	164.11294	4.00467	0.1102281	0.25258732	2.4785348	21	—	—
346478 2008 TN_{186}	16.6	X	43.22941	27.54470	80.54726	8.56129	0.1675437	0.25242661	2.4795867	21	1 5.3	18.8
346479 2008 UG	17.0	X	180.59446	346.95796	359.45801	13.88519	0.3749731	0.27064882	2.3670020	21	2 20.7	21.5
346480 2008 UK_{1}	16.8	X	346.41268	307.51932	79.34675	7.03215	0.2053691	0.22894050	2.6463928	21	11 16.7	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346481 2008 UN_5	16.0	X	6.03838	19.45770	52.12708	34.15156	0.2033967	0.23192306	2.6236552	21	—	—
346482 2008 UZ_{10}	17.1	X	191.82662	355.66569	266.54527	2.09589	0.1557994	0.25308453	2.4752875	21	—	—
346483 2008 UX_{29}	16.8	X	182.99643	117.81867	198.07030	4.50226	0.1119623	0.25628417	2.4546422	21	—	—
346484 2008 UH_{32}	17.2	X	74.37236	264.73734	63.37929	5.58377	0.0706480	0.23487867	2.6015988	21	12 21.2	20.9
346485 2008 UY_{38}	17.4	X	103.14959	100.52671	232.96319	9.92933	0.1529627	0.24270107	2.5453935	21	—	—
346486 2008 UE_{40}	17.0	X	9.92901	4.87041	354.18543	0.96035	0.0898094	0.22667706	2.6639803	21	11 6.4	20.1
346487 2008 UJ_{47}	16.3	X	115.59803	274.49659	38.70231	10.18999	0.1203821	0.23954905	2.5676732	21	—	—
346488 2008 UB_{48}	17.4	X	328.62203	89.37377	24.47749	13.13265	0.1132315	0.24173547	2.5521672	21	—	—
346489 2008 UN_{52}	16.3	X	92.60379	232.93885	51.37381	7.29112	0.1095059	0.22642808	2.6659328	21	11 19.9	20.3
346490 2008 UD_{60}	17.3	X	122.96907	62.10355	246.26145	7.53410	0.1609847	0.24346530	2.5400641	21	—	—
346491 2008 UA_{62}	15.6	X	294.46871	234.32703	28.86437	9.86264	0.0286241	0.18830227	3.0146183	21	3 17.2	19.8
346492 2008 UJ_{67}	16.8	X	90.83070	10.17658	308.19406	2.87482	0.1631183	0.23740505	2.5831091	21	—	—
346493 2008 UK_{71}	16.3	X	84.82556	294.48871	35.86162	11.72519	0.1491727	0.23649145	2.5897574	21	—	—
346494 2008 UH_{74}	16.5	X	92.11471	52.01452	247.03661	18.15091	0.0330821	0.22889439	2.6467481	21	11 30.4	20.2
346495 2008 UL_{75}	17.4	X	57.69702	348.43517	62.07921	5.09876	0.0286734	0.24640676	2.5198091	21	—	—
346496 2008 UW_{75}	17.0	X	97.72475	2.13956	13.87876	2.96570	0.0288659	0.24567158	2.5248336	21	—	—
346497 2008 UO_{76}	16.9	X	85.48531	317.96088	31.57699	6.06895	0.0815653	0.23835585	2.5762351	21	—	—
346498 2008 US_{78}	16.8	X	320.79746	332.34722	27.88820	3.68431	0.0898259	0.22150335	2.7053026	21	8 20.0	20.0
346499 2008 UF_{86}	16.7	X	63.66281	101.54499	226.25808	7.86032	0.0770810	0.23123161	2.6288829	21	12 8.6	20.3
346500 2008 UV_{86}	17.4	X	100.54330	278.21362	56.18835	1.55225	0.0793917	0.24343974	2.5402418	21	—	—
346501 2008 UL_{94}	16.3	X	25.69694	312.91776	80.48784	14.75336	0.2713146	0.23588622	2.5941854	21	—	—
346502 2008 UH_{95}	16.8	X	246.35914	159.80563	39.88700	6.66430	0.1467991	0.24106876	2.5568707	21	—	—
346503 2008 UO_{102}	17.3	X	334.75544	72.97265	21.35193	7.63026	0.1498791	0.23816356	2.5776217	21	—	—
346504 2008 UT_{105}	18.1	X	83.19349	149.57029	294.06060	2.22122	0.1552476	0.26137266	2.4226794	21	2 12.6	20.6
346505 2008 UC_{125}	17.3	X	279.23821	2.45603	341.72555	6.21849	0.1611155	0.28229824	2.3014273	21	5 8.4	20.4
346506 2008 UR_{126}	15.6	X	100.25528	177.96798	267.50891	9.23742	0.0559136	0.18172928	3.0868778	21	3 6.9	20.2
346507 2008 UZ_{127}	15.9	X	326.58968	288.37640	224.14313	5.09046	0.2598085	0.23951930	2.5678858	21	—	—
346508 2008 UA_{131}	16.9	X	331.68614	312.28091	234.62747	5.56356	0.0846746	0.25684069	2.4510951	21	1 1.7	20.0
346509 2008 UZ_{131}	16.9	X	90.89414	106.06924	226.29911	4.63743	0.1191234	0.24028348	2.5624384	21	—	—
346510 2008 UJ_{132}	17.5	X	163.40713	16.15216	7.24699	1.18495	0.1933021	0.26578589	2.3957865	21	3 10.6	21.1
346511 2008 UK_{136}	17.5	X	72.20261	319.72267	39.56531	12.92984	0.2724655	0.24338760	2.5406046	21	—	—
346512 2008 UM_{142}	17.2	X	146.51763	70.52609	209.42474	2.22735	0.1701490	0.24027003	2.5625341	21	—	—
346513 2008 UL_{143}	17.6	X	288.62603	56.29457	51.21199	4.64121	0.1152598	0.22885299	2.6470674	21	11 20.7	20.7
346514 2008 UD_{149}	16.8	X	29.48025	326.13496	40.58365	3.34041	0.2981392	0.23438658	2.6052389	21	—	—
346515 2008 UM_{157}	16.8	X	106.95860	116.51394	263.90938	11.64624	0.1813332	0.25133120	2.4867862	21	—	—
346516 2008 UR_{158}	16.3	X	40.21698	47.10838	338.28577	5.98303	0.1036875	0.23666867	2.5884645	21	—	—
346517 2008 UQ_{160}	17.2	X	61.64511	318.20190	43.57556	1.91702	0.1565637	0.23686227	2.5870538	21	—	—
346518 2008 US_{162}	16.2	X	27.79727	279.83081	9.49441	7.75862	0.0627382	0.21713287	2.7414837	21	8 29.5	19.6
346519 2008 UT_{166}	17.1	X	183.47734	107.62143	184.74893	2.87298	0.1277501	0.25175340	2.4840051	21	—	—
346520 2008 UC_{169}	17.2	X	287.09179	133.14085	70.73747	4.82119	0.0949307	0.25104765	2.4886583	21	—	—
346521 2008 UP_{181}	16.9	X	280.79665	93.32765	43.57069	12.36789	0.0610735	0.23613450	2.5923666	21	12 25.6	20.3
346522 2008 UA_{185}	15.9	X	106.72068	22.31768	57.86059	9.93018	0.0782803	0.18269213	3.0760224	21	3 21.4	20.3
346523 2008 UM_{185}	16.8	X	98.77775	84.67127	228.76491	8.26578	0.1453548	0.23603894	2.5930663	21	—	—
346524 2008 UB_{186}	17.8	X	45.67143	163.80326	311.82659	1.64772	0.1533766	0.25654435	2.4529823	21	1 20.2	19.9
346525 2008 UR_{186}	16.4	X	187.77531	240.42933	80.49939	6.70321	0.0123932	0.25257959	2.4785854	21	1 4.2	19.7
346526 2008 UA_{187}	17.0	X	22.11131	255.51996	124.19496	2.98258	0.0871637	0.23049280	2.6344976	21	12 22.3	20.1
346527 2008 UV_{196}	17.4	X	5.05490	265.39691	221.50562	5.47178	0.1019624	0.25518955	2.4616565	21	—	—
346528 2008 UM_{201}	16.3	X	145.17312	175.24103	231.66718	20.51092	0.0532358	0.26394448	2.4069163	21	2 25.6	20.0
346529 2008 UX_{204}	16.2	X	85.69531	334.90673	83.63450	7.26216	0.1155774	0.25436567	2.4669692	21	1 9.7	18.8
346530 2008 UT_{223}	16.8	X	47.92496	318.42479	60.35519	13.76283	0.2188741	0.24013614	2.5634865	21	—	—
346531 2008 UM_{225}	16.9	X	68.97235	342.73474	344.00302	3.92924	0.1913532	0.23392908	2.6086346	21	12 27.5	20.8
346532 2008 UH_{228}	17.3	X	89.81890	282.17872	28.96785	3.24974	0.0298486	0.23072493	2.6327303	21	12 12.6	20.8
346533 2008 UY_{239}	16.7	X	11.26836	40.84261	25.43206	13.82360	0.2590784	0.23781933	2.5801084	21	—	—
346534 2008 UE_{245}	16.2	X	99.34925	25.66597	264.26097	11.65297	0.1422065	0.22967944	2.6407136	21	12 7.3	20.3
346535 2008 UW_{247}	16.8	X	93.57783	132.46709	237.76460	4.97274	0.2089510	0.24629302	2.5205848	21	—	—
346536 2008 UO_{260}	17.7	X	95.29189	173.26009	142.22688	3.26881	0.1168967	0.23743457	2.5828950	21	—	—
346537 2008 UD_{271}	16.5	X	356.93381	338.61993	329.96424	16.74084	0.2521531	0.22078649	2.7111553	21	8 12.3	18.5
346538 2008 UJ_{273}	16.4	X	190.92178	312.67055	238.67000	16.28280	0.0554223	0.23043705	2.6349225	21	11 9.8	20.2
346539 2008 UR_{277}	17.1	X	254.69714	226.68418	35.31570	6.17255	0.0988243	0.26052668	2.4279212	21	1 6.0	20.7
346540 2008 UK_{282}	16.9	X	356.46112	277.37469	60.23780	9.25024	0.1734028	0.21961232	2.7208102	21	9 25.5	19.7
346541 2008 UW_{284}	17.4	X	10.92695	352.06316	95.94995	1.36987	0.1106012	0.24405568	2.5359661	21	—	—
346542 2008 UP_{288}	17.7	X	311.06924	6.66080	100.29604	2.67877	0.1390768	0.23442500	2.6049543	21	12 28.8	20.3
346543 2008 UX_{289}	17.0	X	319.90783	70.90225	75.97613	10.64402	0.0816643	0.24163910	2.5528458	21	—	—
346544 2008 UE_{300}	16.9	X	312.71032	115.74398	17.29513	5.38232	0.2057688	0.23627810	2.5913161	21	—	—
346545 2008 UL_{302}	16.5	X	282.31583	281.24163	250.67647	11.77920	0.1973804	0.23646195	2.5899728	21	—	—
346546 2008 UM_{303}	16.8	X	69.15686	260.50751	44.68048	4.75068	0.1129901	0.22668317	2.6639324	21	11 20.1	20.6
346547 2008 UB_{304}	17.1	X	85.00851	108.19020	248.23642	9.73945	0.2224092	0.24646793	2.5193921	21	—	—
346548 2008 UQ_{304}	16.9	X	56.88296	78.82562	347.47538	3.26568	0.1395232	0.24636893	2.5200670	21	—	—
346549 2008 UV_{314}	16.4	X	204.56384	222.76911	25.72315	11.21529	0.0903390	0.24352799	2.5396281	21	—	—
346550 2008 UQ_{324}	17.0	X	272.45156	197.06518	278.86225	4.03615	0.1385211	0.22391706	2.6858263	21	11 1.6	20.5
346551 2008 UJ_{325}	16.6	X	132.42785	53.36833	280.02163	1.44104	0.1114613	0.24605698	2.5221965	21	—	—
346552 2008 UA_{327}	16.0	X	181.73918	310.93078	111.17981	13.53541	0.2761627	0.18989387	2.9977500	21	5 22.5	21.5
346553 2008 UL_{328}	17.3	X	110.40216	86.05894	234.51753	12.43151	0.2386617	0.24654448	2.5188706	21	—	—
346554 2008 UK_{338}	16.5	X	235.73828	250.95185	270.32086	7.68352	0.0751857	0.22774132	2.6556744	21	11 22.2	20.0
346555 2008 UV_{340}	16.8	X	219.95930	242.91922	25.91739	4.68906	0.1168957	0.25103935	2.4887132	21	—	—
346556 2008 UW_{340}	16.2	X	65.46274	242.50880	100.79120	13.82027	0.2028711	0.23787249	2.5797240	21	—	—
346557 2008 UM_{346}	17.3	X	1.32583	227.33126	207.03692	1.22112	0.2527082	0.23146325	2.6271287	21	—	—
346558 2008 UZ_{353}	17.0	X	47.28322	79.35987	242.71469	11.11054	0.2398299	0.22769256	2.6560535	21	12 3.5	20.5
346559 2008 UM_{354}	16.3	X	207.37040	324.83075	106.62400	3.23039	0.0431335	0.20391966	2.8586653	21	6 26.8	20.3
346560 2008 UP_{355}	17.3	X	297.27044	73.44532	67.71377	15.36409	0.1327267	0.23441829	2.6050039	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346561 2008 UH_{357}	17.9	X	9.52624	102.84889	331.69261	2.00010	0.1767461	0.23916078	2.5704515	21	—	—
346562 2008 UX_{365}	17.0	X	316.14941	175.39126	258.51763	7.60060	0.3316725	0.22717288	2.6601026	21	10 31.2	18.8
346563 2008 UO_{368}	16.2	X	11.83315	168.84923	258.06195	10.82133	0.1675651	0.23295925	2.6158695	21	—	—
346564 2008 UY_{368}	16.4	X	42.55589	218.96959	78.11586	15.51780	0.2241917	0.22148247	2.7054727	21	10 29.8	20.1
346565 2008 VF_{1}	17.4	X	44.47551	359.59850	40.60317	5.86822	0.3105424	0.24053487	2.5606527	21	—	—
346566 2008 VF_{9}	16.5	X	57.78985	75.60737	201.09407	12.28919	0.0892915	0.21869607	2.7284043	21	9 24.2	20.1
346567 2008 VH_{15}	17.0	X	345.76018	279.67036	84.60061	0.74576	0.1757159	0.22471046	2.6795006	21	10 8.3	19.4
346568 2008 VZ_{17}	17.4	X	298.53922	72.18064	83.70003	3.56036	0.0789966	0.24279036	2.5447693	21	—	—
346569 2008 VF_{19}	17.6	X	131.22257	118.11224	190.60075	5.00774	0.1905780	0.24563685	2.5250716	21	—	—
346570 2008 VB_{23}	16.8	X	323.53145	19.38729	59.62603	3.76982	0.2779805	0.22315321	2.6919519	21	12 8.0	18.5
346571 2008 VX_{25}	17.6	X	340.04768	337.04867	122.66478	3.43993	0.0677254	0.24079742	2.5587911	21	—	—
346572 2008 VT_{34}	16.7	X	290.42948	335.45186	71.46957	10.48329	0.2172418	0.21749468	2.7384425	21	8 19.5	20.2
346573 2008 VG_{47}	17.2	X	346.51261	323.40341	127.56991	1.53788	0.1518142	0.23596105	2.5936368	21	—	—
346574 2008 VR_{47}	16.1	X	82.17706	162.98966	207.94677	14.74891	0.1397461	0.24368607	2.5385297	21	—	—
346575 2008 VD_{48}	16.5	X	10.32086	168.82128	208.75889	14.03429	0.2215182	0.23000796	2.6381985	21	12 20.9	19.7
346576 2008 VJ_{51}	17.0	X	47.05172	325.12559	47.21136	3.25255	0.2337322	0.23713537	2.5850671	21	—	—
346577 2008 VJ_{57}	16.9	X	33.81571	180.28045	197.12367	2.65663	0.2029317	0.23582487	2.5946353	21	—	—
346578 2008 VK_{59}	17.3	X	112.21733	191.28502	207.22725	0.76693	0.1747272	0.25652867	2.4530823	21	1 30.6	20.2
346579 2008 VJ_{60}	15.7	X	248.68349	57.14424	81.51695	22.93921	0.0215975	0.22475556	2.6791421	21	11 22.7	19.4
346580 2008 VA_{65}	16.4	X	50.24027	110.80258	198.25581	5.30960	0.0331068	0.22012344	2.7165968	21	10 20.4	20.0
346581 2008 VQ_{65}	17.3	X	46.53779	314.14659	81.93607	3.52662	0.1500995	0.23951950	2.5678844	21	—	—
346582 2008 VO_{68}	16.2	X	6.25942	288.09475	103.14017	11.68774	0.1743554	0.22593636	2.6697994	21	12 25.2	19.1
346583 2008 VP_{68}	17.0	X	300.92004	132.57834	271.18834	3.09577	0.2040256	0.21166602	2.7884870	21	8 27.9	20.2
346584 2008 VB_{74}	16.6	X	238.03797	152.27548	69.48683	8.24537	0.1046126	0.24258314	2.5462183	21	—	—
346585 2008 VH_{76}	16.5	X	233.00392	178.18675	79.78723	7.52007	0.0821159	0.25007876	2.4950821	21	—	—
346586 2008 VU_{76}	16.6	X	70.98814	272.12772	77.36670	14.07522	0.1840727	0.23740306	2.5831235	21	—	—
346587 2008 VG_{78}	16.6	X	77.93115	165.38904	191.68522	4.94796	0.2194876	0.24043458	2.5613648	21	—	—
346588 2008 VM_{78}	17.4	X	314.90141	309.36650	158.14837	5.17484	0.1776074	0.23101697	2.6305110	21	—	—
346589 2008 VC_{79}	16.6	X	307.29166	28.73576	82.44865	10.61001	0.1345488	0.22643371	2.6658886	21	12 25.2	19.3
346590 2008 VM_{79}	16.5	X	307.98589	74.59378	100.50420	5.00166	0.1747557	0.24185496	2.5513266	21	—	—
346591 2008 VW_{79}	16.0	X	45.06491	339.76595	29.13327	12.34734	0.1992291	0.23482762	2.6019758	21	—	—
346592 2008 VE_{80}	15.7	X	115.61704	316.06562	104.16912	9.15288	0.1173613	0.17472245	3.1688638	21	3 12.9	20.4
346593 2008 WJ_{1}	17.5	X	307.14930	100.65478	32.30172	3.68795	0.1562288	0.23479865	2.6021899	21	—	—
346594 2008 WD_{8}	17.1	X	17.48149	338.16404	54.36505	7.14689	0.0660889	0.23528668	2.5985903	21	12 30.8	20.5
346595 2008 WH_{8}	17.4	X	197.19688	170.77010	109.83906	2.12347	0.1569876	0.25314582	2.4748879	21	—	—
346596 2008 WC_{9}	17.3	X	101.70468	236.78400	98.98159	3.81401	0.0881771	0.24298226	2.5434293	21	—	—
346597 2008 WU_{15}	17.0	X	17.72806	255.47122	263.13904	5.80379	0.1341594	0.25962062	2.4335667	21	1 26.5	19.3
346598 2008 WZ_{21}	16.9	X	59.38394	354.83468	52.31670	16.12240	0.1583444	0.24534668	2.5270621	21	—	—
346599 2008 WW_{24}	16.4	X	323.04421	298.33933	83.52833	6.19994	0.1275485	0.21965416	2.7204647	21	9 22.4	19.5
346600 2008 WX_{24}	17.0	X	36.26414	183.72460	190.50978	2.87590	0.2427463	0.23630934	2.5910878	21	—	—
346601 2008 WE_{32}	16.9	X	287.52551	41.73202	93.61269	4.73102	0.1391640	0.22547865	2.6734112	21	12 23.1	19.6
346602 2008 WO_{32}	16.7	X	74.81427	151.52245	193.53086	5.01513	0.1815646	0.23857938	2.5746257	21	—	—
346603 2008 WH_{35}	17.5	X	30.95645	339.03265	16.89234	0.55799	0.1073818	0.22968428	2.6406765	21	12 6.3	20.8
346604 2008 WY_{42}	16.6	X	89.49330	246.33841	49.98976	6.59991	0.1318105	0.22831756	2.6512041	21	12 3.6	20.5
346605 2008 WR_{46}	16.4	X	193.06598	178.88997	65.01085	15.89270	0.0566874	0.23570530	2.5955126	21	—	—
346606 2008 WR_{58}	16.2	X	39.42002	274.52478	116.35740	6.27335	0.2402004	0.23840400	2.5758883	21	—	—
346607 2008 WG_{60}	16.8	X	142.23844	314.31135	101.09402	4.78057	0.1006162	0.26277523	2.4140510	21	3 22.9	20.1
346608 2008 WC_{63}	16.7	X	7.26152	178.44739	252.57887	12.56553	0.1501705	0.23796099	2.5790843	21	—	—
346609 2008 WD_{64}	16.9	X	325.46375	77.67629	267.97299	2.24929	0.1341316	0.21392072	2.7688588	21	7 30.8	20.0
346610 2008 WN_{68}	16.8	X	43.38003	209.11725	193.60852	1.26977	0.1242041	0.23913293	2.5706510	21	—	—
346611 2008 WD_{73}	16.9	X	78.42644	82.40012	262.05152	8.81951	0.1531871	0.23628846	2.5912404	21	—	—
346612 2008 WF_{75}	17.8	X	319.72211	294.58854	199.18035	4.37737	0.1761484	0.24053210	2.5606724	21	—	—
346613 2008 WB_{81}	16.6	X	53.03189	256.40207	133.23312	3.78682	0.1418743	0.23959557	2.5673408	21	—	—
346614 2008 WG_{84}	16.7	X	142.22604	309.33142	20.88482	2.45175	0.1427332	0.24678594	2.5172274	21	—	—
346615 2008 WQ_{84}	17.2	X	29.22244	330.75105	57.21103	5.01749	0.1218821	0.23310310	2.6147932	21	—	—
346616 2008 WG_{90}	16.6	X	344.91997	358.26310	83.07784	14.35116	0.1427676	0.22971468	2.6404435	21	—	—
346617 2008 WK_{90}	16.3	X	327.71558	187.10729	284.45718	11.74603	0.1418636	0.22822520	2.6519194	21	—	—
346618 2008 WH_{92}	17.0	X	356.34302	30.83743	51.50666	5.40191	0.1317539	0.23722390	2.5844240	21	—	—
346619 2008 WA_{93}	16.6	X	51.19339	281.68730	129.28398	7.63780	0.2869413	0.24376254	2.5379987	21	—	—
346620 2008 WE_{95}	16.6	X	10.71343	283.14113	162.05348	13.32898	0.1728975	0.23853580	2.5749394	21	—	—
346621 2008 WM_{95}	16.5	X	354.37702	221.13660	230.76727	11.77506	0.1090419	0.23806444	2.5783371	21	—	—
346622 2008 WS_{99}	16.9	X	150.06563	283.13408	71.70730	6.95640	0.1312730	0.25675164	2.4516619	21	1 15.8	20.4
346623 2008 WU_{100}	17.0	X	25.89568	42.33523	96.31063	3.32194	0.1521576	0.25473053	2.4646129	21	1 14.9	19.4
346624 2008 WS_{109}	17.4	X	10.83355	344.64315	18.11985	1.24332	0.1174710	0.22530790	2.6747618	21	11 15.9	20.4
346625 2008 WK_{112}	17.2	X	61.92907	346.29211	28.76494	1.58529	0.2093031	0.23976084	2.5661609	21	—	—
346626 2008 WJ_{113}	16.8	X	353.10476	53.13768	75.54969	5.09599	0.1804783	0.24222017	2.5487614	21	—	—
346627 2008 WC_{124}	16.4	X	32.12194	99.28207	269.04360	6.11158	0.1010888	0.22989311	2.6390771	21	12 23.1	19.6
346628 2008 WD_{125}	17.3	X	320.27488	113.23890	305.07453	3.87883	0.1045909	0.22065548	2.7122283	21	11 3.6	20.4
346629 2008 WO_{128}	17.1	X	36.07520	302.98918	115.73204	4.26397	0.0652876	0.24016051	2.5633131	21	—	—
346630 2008 WC_{132}	16.1	X	40.38217	270.91199	93.66282	10.79561	0.0805478	0.23267980	2.6179636	21	12 26.7	19.5
346631 2008 WK_{133}	16.4	X	76.56739	270.57745	78.94985	13.76880	0.1967266	0.23785136	2.5798767	21	—	—
346632 2008 WX_{135}	16.6	X	1.42554	300.82125	98.47388	5.79608	0.2240007	0.22945389	2.6424438	21	—	—
346633 2008 WD_{136}	17.0	X	97.54945	329.23862	125.84930	2.90306	0.1503368	0.25821660	2.4423802	21	3 25.2	19.9
346634 2008 WW_{137}	16.5	X	87.57469	170.19255	205.46952	2.54008	0.2648062	0.24439865	2.5335930	21	—	—
346635 2008 WS_{138}	16.6	X	353.40293	346.64131	78.69877	9.33183	0.0894655	0.23179914	2.6245902	21	—	—
346636 2008 WW_{139}	16.6	X	351.96544	27.36966	77.95958	3.17886	0.0775941	0.23535127	2.5981149	21	—	—
346637 2008 WZ_{140}	16.8	X	315.79823	5.57519	59.47923	5.94854	0.0468500	0.22313208	2.6921218	21	11 11.0	20.2
346638 2008 XH_{3}	16.5	X	37.93284	228.71645	203.37858	4.76553	0.2460148	0.24288553	2.5441046	21	—	—
346639 2008 XN_{4}	16.5	X	357.10095	114.40866	276.66948	10.36914	0.3059780	0.22903930	2.6456316	21	12 29.9	18.8
346640 2008 XR_{8}	16.2	X	104.13764	230.05735	131.01107	5.75698	0.0684153	0.24419749	2.5349842	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346641 2008 XD_{12}	17.1	X	247.77783	359.13517	148.90747	5.24403	0.0756284	0.22601904	2.6691483	21	11 22.5	20.6
346642 2008 XQ_{14}	17.0	X	66.93314	320.17102	29.43226	2.82657	0.1334792	0.23658298	2.5890895	21	—	—
346643 2008 XV_{14}	16.8	X	78.93993	262.43978	60.20331	6.92729	0.1911922	0.23437572	2.6053194	21	—	—
346644 2008 XC_{22}	16.7	X	298.76629	58.29535	72.60820	11.63095	0.1958126	0.22629752	2.6669581	21	12 31.9	19.4
346645 2008 XS_{29}	16.4	X	254.33903	260.87995	254.88096	10.65430	0.2528454	0.22613433	2.6682410	21	11 12.0	20.0
346646 2008 XN_{35}	16.6	X	317.52556	108.94589	61.09624	11.28587	0.1772250	0.24270008	2.5454003	21	—	—
346647 2008 XD_{40}	16.7	X	346.10464	359.47007	60.07462	4.48909	0.0823632	0.22888476	2.6468224	21	12 20.4	19.9
346648 2008 XQ_{45}	17.5	X	139.90932	198.83505	146.96707	3.54697	0.1890931	0.25315866	2.4748043	21	—	—
346649 2008 XU_{49}	16.6	X	254.90642	186.54888	265.22510	2.34467	0.0609352	0.20952319	2.8074669	21	9 17.2	20.4
346650 2008 XR_{51}	16.9	X	60.20420	256.28332	109.23818	4.07791	0.1649220	0.23707684	2.5854926	21	—	—
346651 2008 XO_{54}	15.9	X	87.39448	96.38023	270.87269	11.24606	0.2431402	0.24180596	2.5516712	21	—	—
346652 2008 XA_{55}	16.3	X	12.66400	95.59061	288.95576	8.35783	0.1925983	0.22933262	2.6433753	21	12 30.4	19.4
346653 2008 XC_{55}	16.1	X	38.86595	61.26863	284.90431	5.34568	0.0368557	0.22345097	2.6895599	21	11 22.1	19.6
346654 2008 YT	16.8	X	1.62607	147.72890	281.31821	6.65993	0.1790170	0.23164060	2.6257876	21	—	—
346655 2008 YD_{1}	16.7	X	353.86401	5.49646	85.50268	4.27202	0.1491418	0.23528978	2.5985675	21	—	—
346656 2008 YH_{1}	17.1	X	254.37556	24.22657	83.92782	3.26643	0.2026406	0.21479598	2.7613319	21	9 21.1	21.1
346657 2008 YW_{2}	16.5	X	252.59047	36.94421	67.38366	4.59848	0.0563491	0.21371908	2.7706002	21	10 5.2	20.2
346658 2008 YA_{7}	16.7	X	293.01881	147.63737	313.00847	8.67223	0.1296897	0.21809074	2.7334506	21	11 11.4	20.2
346659 2008 YZ_{7}	16.2	X	66.43783	41.88650	314.73529	8.77264	0.2598909	0.23987143	2.5653721	21	—	—
346660 2008 YT_{11}	16.8	X	35.30149	286.59524	101.43095	4.87548	0.2092811	0.23575006	2.5951841	21	—	—
346661 2008 YW_{13}	17.1	X	334.56970	268.76779	231.50530	2.83356	0.1352711	0.24137300	2.5547217	21	—	—
346662 2008 YG_{14}	16.6	X	301.00939	164.32444	262.84860	5.90018	0.1500014	0.21653186	2.7465542	21	10 7.3	19.8
346663 2008 YH_{17}	17.1	X	276.07940	150.42236	294.71978	7.13544	0.1821113	0.21315860	2.7754547	21	9 16.2	20.8
346664 2008 YN_{18}	16.2	X	342.12558	68.90810	305.42812	5.32938	0.0215992	0.21054477	2.7983782	21	10 7.6	20.0
346665 2008 YH_{21}	16.5	X	260.67604	187.65979	283.24221	3.68511	0.0714028	0.21352455	2.7722826	21	10 17.9	20.3
346666 2008 YK_{22}	17.0	X	318.89422	319.46839	120.12275	5.64203	0.2168634	0.22171036	2.7036184	21	11 29.5	19.4
346667 2008 YS_{25}	16.5	X	54.33813	97.47167	257.36425	3.60381	0.1341937	0.23140353	2.6275807	21	—	—
346668 2008 YP_{26}	16.2	X	35.78861	90.21873	254.95754	6.49940	0.0123793	0.21678129	2.7444471	21	11 12.4	19.8
346669 2008 YE_{27}	15.8	X	67.93052	282.69564	118.11830	6.42685	0.1673178	0.24484767	2.5304945	21	—	—
346670 2008 YF_{27}	16.2	X	62.66985	293.73759	106.26158	13.83688	0.1766901	0.24218953	2.5489763	21	—	—
346671 2008 YH_{28}	17.2	X	31.22018	331.18097	78.17433	0.58301	0.3036593	0.23598863	2.5934348	21	—	—
346672 2008 YL_{29}	16.8	X	327.27888	6.45990	115.52736	5.30319	0.1267343	0.23106377	2.6301559	21	—	—
346673 2008 YO_{32}	15.9	X	275.81900	334.58883	101.49459	7.64699	0.0405899	0.21166580	2.7884889	21	10 3.2	19.7
346674 2008 YN_{33}	17.0	X	346.11473	259.44941	174.42995	4.07388	0.1164134	0.22704693	2.6610863	21	—	—
346675 2008 YM_{34}	17.0	X	279.83231	325.01791	130.07270	5.08599	0.0839966	0.21588231	2.7520607	21	10 26.3	20.5
346676 2008 YT_{34}	16.5	X	255.34105	229.75231	268.57399	3.99490	0.0594143	0.21863495	2.7289128	21	11 18.9	20.2
346677 2008 YK_{36}	16.9	X	23.45380	97.06482	296.86793	4.12200	0.0614587	0.22754983	2.6571641	21	—	—
346678 2008 YS_{38}	15.8	X	210.63971	331.38550	145.07871	15.83347	0.0903064	0.20263898	2.8706972	21	8 24.8	19.9
346679 2008 YN_{39}	16.4	X	22.66540	272.46183	100.49503	13.91221	0.2110418	0.22437014	2.6822093	21	12 31.4	19.7
346680 2008 YV_{40}	16.6	X	26.53656	80.73794	306.46653	7.72538	0.2713599	0.23117821	2.6292878	21	—	—
346681 2008 YG_{50}	17.1	X	294.54412	7.18728	53.48666	2.85287	0.1428431	0.21122270	2.7923873	21	9 22.3	20.5
346682 2008 YR_{63}	17.4	X	268.12157	298.97240	166.73577	3.88294	0.0547033	0.21442463	2.7645192	21	10 26.7	21.0
346683 2008 YL_{78}	17.1	X	307.34570	187.51821	247.10414	3.50654	0.1822211	0.21781258	2.7357773	21	10 27.9	19.9
346684 2008 YU_{78}	15.8	X	290.60642	188.74234	141.51294	10.70288	0.0881591	0.18850581	3.0124479	21	5 26.9	20.1
346685 2008 YF_{82}	17.1	X	263.20404	114.69755	315.51261	4.15411	0.1059725	0.20830086	2.8184393	21	8 24.6	20.8
346686 2008 YJ_{83}	17.3	X	7.50009	295.11563	80.43297	4.13955	0.2121590	0.22345918	2.6894940	21	12 10.8	20.2
346687 2008 YY_{84}	17.1	X	314.64526	317.55306	168.09589	1.73219	0.0340831	0.22930593	2.6435804	21	—	—
346688 2008 YJ_{109}	16.5	X	94.33820	79.52703	89.30589	3.33043	0.1084335	0.18610148	3.0383385	21	6 25.2	20.6
346689 2008 YT_{110}	16.9	X	11.92280	54.17098	303.02475	1.88409	0.1217742	0.22386362	2.6862537	21	11 9.9	20.1
346690 2008 YE_{113}	16.1	X	220.51343	197.89182	317.46624	15.75288	0.2327430	0.21328954	2.7743186	21	10 1.6	21.0
346691 2008 YA_{114}	17.0	X	299.89865	280.50514	110.20124	1.68875	0.0812098	0.20815462	2.8197591	21	8 28.2	20.5
346692 2008 YU_{120}	16.6	X	87.33271	184.55544	72.15953	3.41545	0.0889041	0.20871538	2.8147063	21	10 7.9	20.6
346693 2008 YH_{121}	16.9	X	77.38779	186.35352	89.97154	5.51472	0.0331251	0.21152990	2.7896831	21	10 14.5	20.7
346694 2008 YZ_{121}	16.2	X	63.13730	138.30180	243.86828	4.05678	0.3081916	0.23857459	2.5746602	21	—	—
346695 2008 YC_{123}	16.5	X	51.86993	38.75118	157.88029	3.03010	0.0723226	0.18608401	3.0385287	21	5 30.0	20.4
346696 2008 YG_{123}	16.8	X	32.25982	37.64970	162.07815	3.17685	0.0730053	0.18235687	3.0797913	21	5 5.7	20.8
346697 2008 YG_{124}	17.3	X	286.82011	219.70074	171.91682	1.97304	0.0800280	0.20458881	2.8524287	21	8 9.3	21.0
346698 2008 YN_{134}	15.9	X	24.01161	183.21414	84.41429	10.73997	0.0360320	0.20439877	2.8541965	21	7 20.2	19.7
346699 2008 YO_{138}	16.8	X	2.64138	115.59231	271.66719	2.36129	0.0895957	0.22105542	2.7089559	21	12 1.8	20.2
346700 2008 YT_{138}	16.6	X	358.57835	137.68808	271.41091	5.24478	0.0567471	0.22243513	2.6977424	21	12 21.4	20.1
346701 2008 YM_{144}	16.7	X	321.47140	65.91416	296.48079	7.92916	0.0947963	0.20379109	2.8598675	21	8 18.3	20.2
346702 2008 YB_{151}	16.9	X	217.41995	310.92378	122.42548	2.47437	0.1021965	0.19824837	2.9129272	21	7 6.7	21.2
346703 2008 YE_{155}	16.3	X	11.72504	293.00201	301.65244	11.29706	0.1285564	0.18209823	3.0827069	21	5 17.4	20.1
346704 2008 YD_{156}	16.9	X	257.04748	161.55153	325.21354	4.14394	0.0577885	0.21529695	2.7570468	21	11 4.9	20.6
346705 2008 YA_{159}	16.6	X	108.29067	146.04286	5.23269	0.53834	0.1975980	0.18001084	3.1064923	21	6 30.3	21.3
346706 2008 YO_{159}	16.2	X	107.99015	98.36417	71.60047	2.60458	0.1232622	0.18067496	3.0988750	21	7 15.1	20.7
346707 2008 YU_{159}	16.6	X	322.97002	88.45200	34.34725	13.52452	0.2506949	0.22807803	2.6530600	21	—	—
346708 2008 YT_{162}	16.9	X	352.70671	184.24971	199.38831	2.62434	0.0907139	0.21843206	2.7306024	21	11 11.7	20.2
346709 2008 YL_{165}	17.0	X	251.07121	214.00761	219.29626	1.25988	0.0888820	0.20343090	2.8632423	21	8 15.6	20.9
346710 2008 YZ_{166}	15.8	X	11.47635	103.78382	299.38710	21.20367	0.0771644	0.22691747	2.6620984	21	—	—
346711 2008 YB_{167}	16.3	X	338.69245	353.03421	93.41124	12.20879	0.1571042	0.22855588	2.6493608	21	—	—
346712 2008 YC_{169}	16.5	X	244.57340	20.48081	83.66326	5.54664	0.0266030	0.21067251	2.7972469	21	9 29.6	20.4
346713 2008 YK_{169}	16.3	X	331.96836	299.65630	93.54286	5.53050	0.0762589	0.21226824	2.7832104	21	10 23.3	19.7
346714 2008 YU_{169}	15.8	X	58.67848	53.56638	132.82978	10.88104	0.0135912	0.18086818	3.0966677	21	5 21.9	20.3
346715 2008 YN_{172}	16.8	X	348.25820	293.59126	158.44839	12.33549	0.2591426	0.23535727	2.5980707	21	—	—
346716 2009 AW	17.0	X	314.22286	181.53882	292.39458	13.24187	0.2288629	0.22728910	2.6591958	21	—	—
346717 2009 AB_{1}	16.9	X	40.29122	251.88579	181.81457	5.22405	0.1394319	0.24386807	2.5372665	21	—	—
346718 2009 AL_{6}	17.1	X	81.25307	168.35919	52.77569	2.82331	0.0123371	0.19950635	2.9006694	21	8 2.7	21.1
346719 2009 AO_{12}	16.7	X	66.27020	79.84304	103.33122	2.39122	0.1437277	0.18389571	3.0625862	21	6 12.0	20.7
346720 2009 AX_{14}	16.7	X	337.74099	265.17493	116.39155	3.22303	0.2609959	0.21581670	2.7526184	21	10 16.4	18.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346721 2009 AP_{15}	16.3	X	25.56746	310.08995	104.57438	10.97249	0.1239360	0.23645113	2.5900518	21	—	—
346722 2009 AH_{17}	17.1	X	337.42032	60.66750	0.53867	2.52178	0.1838234	0.22356986	2.6886063	21	12 12.7	19.5
346723 2009 AJ_{17}	17.0	X	38.83569	240.37234	132.27548	14.19671	0.2782493	0.22887117	2.6469271	21	—	—
346724 2009 AT_{18}	15.7	X	207.87584	288.41244	107.20103	12.16751	0.1647603	0.19155474	2.9803970	21	5 12.7	20.7
346725 2009 AU_{21}	16.2	X	353.16508	77.46261	283.02027	10.39654	0.1307558	0.21441696	2.7645851	21	10 6.9	19.5
346726 2009 AN_{22}	16.9	X	342.12283	185.19687	181.19531	2.26720	0.0998463	0.21259846	2.7803276	21	9 30.7	20.1
346727 2009 AU_{23}	16.4	X	189.66575	36.46211	112.13210	16.13680	0.0868486	0.20547935	2.8441812	21	9 17.7	21.0
346728 2009 AZ_{25}	17.2	X	224.92519	192.95815	261.25439	0.96001	0.0257198	0.20203323	2.8764324	21	8 18.5	21.2
346729 2009 AK_{26}	16.8	X	88.82265	84.80860	108.39027	3.50760	0.0529609	0.19224370	2.9732720	21	7 11.8	20.9
346730 2009 AA_{27}	16.9	X	222.60820	165.67917	281.16843	1.25370	0.0603926	0.19982600	2.8975752	21	8 2.4	21.2
346731 2009 AY_{30}	16.8	X	179.46931	22.72284	121.72160	3.05911	0.0062402	0.20280149	2.8691635	21	8 28.9	20.7
346732 2009 AX_{33}	16.6	X	33.73948	242.60401	92.01859	6.58594	0.0745221	0.21300795	2.7767632	21	11 6.9	20.2
346733 2009 AH_{46}	16.5	X	311.95313	302.30893	117.88158	7.10483	0.0360396	0.21456640	2.7633013	21	11 1.0	20.2
346734 2009 AM_{49}	16.3	X	232.79289	315.42844	222.51460	5.19246	0.0653598	0.22004855	2.7172132	21	12 10.5	20.1
346735 2009 AV_{50}	16.3	X	120.93110	66.66872	131.62863	3.26755	0.1009482	0.19545438	2.9406213	21	9 1.6	20.8
346736 2009 BQ_{3}	16.0	X	199.20527	201.80938	230.89650	8.34433	0.0774112	0.19331726	2.9622540	21	6 17.4	20.5
346737 2009 BX_{3}	16.0	X	119.07292	354.22175	158.95446	9.76036	0.1175005	0.19014478	2.9951123	21	7 4.8	20.7
346738 2009 BA_{4}	16.3	X	347.66752	177.54495	263.76592	11.02756	0.1302635	0.22820054	2.6521104	21	—	—
346739 2009 BE_{5}	16.6	X	41.94369	296.13095	113.95818	18.14019	0.1833308	0.23695708	2.5863636	21	—	—
346740 2009 BX_{5}	17.2	X	357.87681	74.52113	0.19350	1.90616	0.1964853	0.23062411	2.6334975	21	—	—
346741 2009 BP_{7}	16.4	X	41.72717	186.84062	234.06638	3.33147	0.3064241	0.23815093	2.5777128	21	—	—
346742 2009 BL_{8}	16.9	X	42.66164	248.54357	157.25873	3.32574	0.2608681	0.23689657	2.5868041	21	—	—
346743 2009 BJ_{12}	16.8	X	329.40603	286.25959	126.04893	5.41126	0.0763809	0.21845906	2.7303774	21	11 14.3	20.1
346744 2009 BS_{14}	16.4	X	274.65844	89.89091	63.01624	15.40390	0.1051469	0.23691710	2.5866547	21	—	—
346745 2009 BD_{15}	17.5	X	309.52345	245.33648	183.04346	0.84056	0.0756474	0.21658894	2.7460716	21	11 2.9	20.6
346746 2009 BG_{16}	17.2	X	25.88171	148.20319	151.03123	2.49685	0.0426415	0.20341285	2.8634117	21	9 3.3	20.7
346747 2009 BX_{16}	15.6	X	67.15694	37.00206	136.61525	11.39360	0.1547601	0.17697463	3.1419218	21	6 4.8	19.9
346748 2009 BF_{17}	17.3	X	281.89204	202.53355	201.53662	1.52340	0.0733786	0.20560979	2.8429782	21	8 19.9	21.1
346749 2009 BX_{18}	16.8	X	285.63025	254.59626	135.32429	2.84275	0.0731985	0.20428186	2.8552854	21	8 6.8	20.5
346750 2009 BM_{23}	16.3	X	329.41068	345.05357	79.29268	6.03937	0.0464681	0.21600271	2.7510380	21	11 28.1	19.8
346751 2009 BR_{27}	16.5	X	104.70454	259.87781	1.68073	3.31458	0.0410623	0.21054334	2.7983909	21	10 26.6	20.4
346752 2009 BS_{28}	17.3	X	315.08163	345.69354	64.21224	1.39282	0.0707609	0.21305267	2.7763746	21	10 17.7	20.6
346753 2009 BX_{31}	17.0	X	283.86998	328.90864	77.21713	2.63354	0.1003390	0.20435894	2.8545673	21	8 23.2	20.8
346754 2009 BW_{34}	16.5	X	171.06879	21.87783	79.47049	4.00109	0.0815148	0.19009718	2.9956122	21	6 23.4	21.1
346755 2009 BF_{35}	16.2	X	335.66674	196.98053	72.42235	3.73130	0.1212149	0.18054414	3.1003719	21	5 6.4	19.9
346756 2009 BX_{37}	17.0	X	272.48405	337.61772	90.38046	3.21222	0.0389737	0.20414939	2.8565204	21	9 15.2	20.8
346757 2009 BD_{41}	17.2	X	339.87574	337.05432	84.02134	3.57603	0.1845444	0.22060375	2.7126523	21	12 16.9	19.7
346758 2009 BY_{43}	16.6	X	41.88981	97.54451	153.58606	3.10943	0.0724010	0.18928968	3.0041256	21	7 26.1	20.4
346759 2009 BV_{46}	15.8	X	159.40006	168.80496	311.09478	9.00298	0.0614139	0.18844209	3.0131270	21	7 4.2	20.4
346760 2009 BB_{55}	16.4	X	242.88238	286.07138	90.85956	2.88418	0.0837278	0.18815047	3.0162396	21	5 26.5	20.7
346761 2009 BH_{57}	16.8	X	15.87966	171.62102	77.65950	1.94982	0.1272556	0.18446287	3.0563053	21	6 16.7	20.2
346762 2009 BG_{62}	15.9	X	330.05743	108.95231	334.76672	21.34610	0.1660274	0.21883877	2.7272181	21	—	—
346763 2009 BZ_{73}	17.0	X	18.22722	39.98531	23.55706	7.72147	0.3784538	0.23605136	2.5929753	21	—	—
346764 2009 BE_{74}	16.2	X	124.35239	221.87964	341.18613	8.11932	0.0520449	0.20018893	2.8940721	21	9 6.5	20.3
346765 2009 BF_{74}	17.0	X	284.68671	139.16181	332.38945	8.81119	0.2304387	0.21907521	2.7252555	21	10 27.6	20.3
346766 2009 BN_{74}	15.8	X	314.60431	300.45631	140.25588	25.89988	0.1448848	0.22100785	2.7093446	21	12 2.0	19.4
346767 2009 BS_{74}	16.8	X	2.62478	24.79395	3.81472	6.08786	0.0404321	0.21936814	2.7228289	21	11 26.9	20.4
346768 2009 BQ_{79}	16.2	X	274.26360	24.09324	89.12821	7.37148	0.0548187	0.21678028	2.7444555	21	11 14.7	19.8
346769 2009 BY_{84}	16.2	X	303.46881	151.13038	139.10382	11.20496	0.1246414	0.18024907	3.1037545	21	4 19.5	20.6
346770 2009 BE_{85}	16.6	X	270.32799	158.64631	290.90301	5.31565	0.0320061	0.20956344	2.8071074	21	10 7.2	20.5
346771 2009 BH_{85}	16.7	X	44.21374	281.61452	136.47873	12.69249	0.2897445	0.23814616	2.5777472	21	—	—
346772 2009 BR_{86}	16.6	X	276.07726	304.15453	130.05482	5.74025	0.1384160	0.20864505	2.8153388	21	9 13.7	20.2
346773 2009 BP_{93}	16.8	X	349.89266	239.35995	153.77110	4.41343	0.1046948	0.21496141	2.7599150	21	11 20.9	20.1
346774 2009 BS_{95}	16.8	X	242.39792	331.57544	97.54000	3.23532	0.0670724	0.20116194	2.8847322	21	8 3.4	21.0
346775 2009 BT_{95}	17.1	X	176.86172	92.02240	73.98634	2.14603	0.0487745	0.20616150	2.8379038	21	9 21.9	21.3
346776 2009 BX_{99}	16.3	X	182.11174	93.22465	348.38572	5.46184	0.2637133	0.19094586	2.9867295	21	6 10.6	21.7
346777 2009 BL_{111}	16.7	X	276.79029	164.94245	297.11836	2.44753	0.1564988	0.21671311	2.7450226	21	10 16.8	20.1
346778 2009 BP_{113}	15.3	X	1.57665	115.22257	127.39925	22.67541	0.1523569	0.17954051	3.1119151	21	5 21.1	19.4
346779 2009 BU_{114}	16.8	X	308.76744	70.53289	350.66741	5.84177	0.0736746	0.21198776	2.7856648	21	10 20.3	20.3
346780 2009 BY_{120}	15.6	X	280.19541	14.26793	308.47702	10.16945	0.0769173	0.18089828	3.0963241	21	4 29.0	20.2
346781 2009 BW_{122}	16.8	X	208.22929	303.46288	149.86938	6.19817	0.0319306	0.19317964	2.9636607	21	7 26.3	21.0
346782 2009 BC_{123}	16.2	X	62.41754	252.75833	283.11089	3.23560	0.0749314	0.17840429	3.1251139	21	5 17.4	20.3
346783 2009 BU_{128}	16.2	X	181.66986	93.58908	67.49940	5.95550	0.0605381	0.20104984	2.8858044	21	9 22.4	20.5
346784 2009 BQ_{130}	16.3	X	170.50678	86.23435	6.67270	9.14905	0.0426414	0.18352114	3.0667519	21	6 9.9	20.9
346785 2009 BX_{132}	16.1	X	290.20352	45.61214	69.27569	14.07021	0.0961870	0.21888800	2.7268092	21	12 3.0	19.2
346786 2009 BQ_{138}	16.6	X	304.90787	353.48583	135.80455	15.57955	0.1137752	0.22533198	2.6745712	21	—	—
346787 2009 BV_{141}	16.4	X	350.69613	220.25795	104.15644	3.27193	0.0564375	0.19748891	2.9203903	21	8 17.2	20.0
346788 2009 BZ_{144}	15.6	X	357.68877	105.90836	130.74645	10.21032	0.0135411	0.17904366	3.1176696	21	5 7.2	20.1
346789 2009 BC_{145}	16.9	X	255.65467	119.34308	338.28420	3.33036	0.0378488	0.20623391	2.8372395	21	9 29.2	20.8
346790 2009 BJ_{146}	16.3	X	227.85713	104.50609	322.61129	8.96210	0.0595646	0.18996940	2.9969554	21	7 15.7	20.6
346791 2009 BV_{149}	17.0	X	340.46274	271.00542	154.65769	9.62071	0.2279927	0.22038796	2.7144227	21	12 28.5	19.6
346792 2009 BG_{153}	17.0	X	337.35103	345.05093	55.65983	0.79767	0.0717507	0.21505718	2.7590956	21	11 8.5	20.3
346793 2009 BF_{155}	17.7	X	310.68172	356.05031	65.81635	2.89570	0.2142301	0.21559675	2.7544903	21	10 13.9	20.2
346794 2009 BC_{157}	17.0	X	306.62527	286.44788	150.68946	3.61914	0.1646864	0.21341072	2.7732683	21	11 2.4	19.9
346795 2009 BV_{157}	16.5	X	4.01127	131.52766	138.57256	3.42358	0.0390256	0.18361248	3.0657348	21	6 23.8	20.6
346796 2009 BX_{158}	16.3	X	69.42381	1.79321	160.72907	9.22251	0.0280804	0.17516518	3.1635220	21	5 7.3	20.8
346797 2009 BJ_{173}	16.9	X	330.16203	282.10826	108.37780	1.85816	0.0774092	0.20934410	2.8090678	21	10 14.7	20.2
346798 2009 BM_{174}	15.8	X	271.25952	275.07147	330.18213	9.27331	0.0279909	0.15775303	3.3922218	21	1 30.2	20.6
346799 2009 BQ_{174}	16.8	X	111.00143	135.09237	14.84668	0.93366	0.0726805	0.18205119	3.0832378	21	6 16.5	21.1
346800 2009 BE_{175}	15.7	X	92.57234	89.89251	110.37753	11.54323	0.0325505	0.18927189	3.0043139	21	7 23.1	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346801 2009 BP_{176}	16.4	X	358.47649	94.45023	160.52636	8.50024	0.0118013	0.17969723	3.1101055	21	5 29.5	20.8
346802 2009 BZ_{177}	16.5	X	186.11231	282.20239	176.99471	4.62031	0.1371004	0.18843175	3.0132372	21	7 5.7	21.3
346803 2009 BK_{181}	16.2	X	278.32188	332.97615	135.84228	13.61809	0.0649454	0.21722468	2.7407112	21	11 16.2	20.0
346804 2009 BF_{183}	15.9	X	43.87535	349.50675	110.64337	16.95576	0.1841978	0.23784677	2.5799099	21	—	—
346805 2009 CH_{2}	16.8	X	203.76482	56.80559	334.33511	9.09655	0.3027983	0.18882892	3.0090105	21	4 23.9	22.5
346806 2009 CL_{15}	16.0	X	71.94836	47.50028	122.68595	6.35094	0.1062983	0.18017184	3.1046413	21	5 29.7	20.2
346807 2009 CZ_{19}	16.0	X	220.80660	278.26193	98.99994	11.75944	0.2361147	0.17995707	3.1071111	21	4 30.3	21.5
346808 2009 CK_{30}	17.0	X	19.74059	326.64792	93.16624	3.24004	0.0660649	0.22421706	2.6834301	21	—	—
346809 2009 CD_{35}	16.3	X	293.87026	337.53496	344.32477	8.89491	0.0920947	0.18661540	3.0327579	21	5 13.9	20.7
346810 2009 CD_{40}	16.2	X	260.02281	18.04555	87.53331	10.40826	0.1136112	0.20947860	2.8078653	21	10 10.9	20.2
346811 2009 CF_{40}	16.4	X	291.32941	3.65003	105.05379	9.60693	0.1454274	0.21849434	2.7300835	21	11 23.3	19.6
346812 2009 CK_{40}	16.1	X	242.74768	84.61430	335.81125	9.53039	0.0263246	0.19728015	2.9224503	21	7 30.2	20.2
346813 2009 CN_{40}	16.8	X	282.23686	101.06227	337.32036	3.67087	0.0382935	0.21020825	2.8013640	21	10 9.4	20.6
346814 2009 CG_{49}	16.5	X	214.43611	1.19409	141.45541	4.75768	0.0467727	0.20916825	2.8106420	21	10 7.5	20.4
346815 2009 CE_{50}	17.0	X	51.55575	72.62113	349.03294	3.95554	0.3033573	0.23891325	2.5722266	21	—	—
346816 2009 CV_{51}	16.6	X	163.62897	340.06463	135.24798	3.02680	0.1392920	0.19093930	2.9867979	21	7 4.7	21.5
346817 2009 CG_{53}	15.7	X	44.80193	114.30273	63.85493	9.22476	0.1069269	0.17324597	3.1868426	21	5 1.3	19.7
346818 2009 CO_{57}	17.0	X	255.15391	171.55215	286.71490	0.89297	0.0211980	0.20616690	2.8378543	21	10 2.3	21.0
346819 2009 CQ_{57}	16.6	X	10.08170	205.77524	115.52328	2.56435	0.0178607	0.19932724	2.9024068	21	9 8.9	20.5
346820 2009 CA_{59}	16.3	X	4.61847	291.38946	303.94191	5.15030	0.0868382	0.17918525	3.1160270	21	5 7.6	20.2
346821 2009 CD_{60}	15.8	X	171.14306	174.46207	302.27829	10.24172	0.0766265	0.19085843	2.9876415	21	7 13.5	20.4
346822 2009 CO_{62}	16.5	X	68.56678	146.15673	39.76559	1.23048	0.1128500	0.17944481	3.1130214	21	6 14.2	20.7
346823 2009 CD_{64}	16.1	X	44.91030	162.01058	1.28875	9.77190	0.0791727	0.17034617	3.2229072	21	4 6.3	20.2
346824 2009 CZ_{64}	16.1	X	172.44640	318.91836	157.16450	11.23601	0.0498744	0.19240409	2.9716194	21	7 12.3	20.6
346825 2009 CM_{65}	16.3	X	276.38018	346.28259	347.84760	8.26376	0.1268580	0.18180390	3.0860331	21	5 2.9	20.9
346826 2009 DT_{1}	15.9	X	2.85292	311.37840	293.99472	9.81327	0.1012549	0.18127956	3.0919810	21	5 17.5	19.8
346827 2009 DL_{3}	16.4	X	23.43981	144.73615	322.24437	11.48220	0.2225808	0.23773962	2.5806851	21	—	—
346828 2009 DW_{3}	16.1	X	283.44100	329.89048	125.30876	9.66763	0.1654963	0.21289341	2.7777590	21	10 21.7	19.7
346829 2009 DT_{4}	15.4	X	107.86064	175.63235	344.09807	12.63541	0.1717909	0.18271579	3.0757569	21	7 10.1	20.2
346830 2009 DY_{9}	15.9	X	138.78031	135.01126	37.03003	10.00260	0.2747368	0.18760196	3.0221161	21	8 31.2	21.3
346831 2009 DE_{12}	16.4	X	257.62825	179.65683	137.45189	3.42907	0.0230498	0.17392791	3.1785072	21	4 8.3	20.8
346832 2009 DS_{12}	15.9	X	106.83198	179.35043	338.08234	15.73072	0.2062653	0.18126638	3.0921309	21	7 10.9	20.9
346833 2009 DT_{15}	17.0	X	70.52916	295.82193	119.58798	2.67555	0.2236830	0.23980666	2.5658340	21	—	—
346834 2009 DM_{16}	16.3	X	254.77583	85.57871	11.60945	1.82621	0.0297668	0.20447006	2.8535330	21	9 29.6	20.2
346835 2009 DH_{27}	15.8	X	210.54851	217.56665	151.99134	9.85947	0.0888985	0.17534324	3.1613799	21	4 16.1	20.7
346836 2009 DQ_{35}	16.0	X	136.18319	98.82707	4.97704	10.04666	0.2326724	0.17783804	3.1317441	21	5 30.4	21.3
346837 2009 DD_{44}	15.9	X	120.88647	146.59983	328.59680	8.17117	0.0133853	0.17797007	3.1301951	21	5 4.5	20.5
346838 2009 DB_{50}	16.0	X	73.13390	11.94388	140.17633	2.83300	0.0975430	0.17036230	3.2227038	21	5 7.2	20.3
346839 2009 DW_{51}	16.3	X	210.66628	243.16843	137.17050	10.05793	0.2148437	0.18575983	3.0420628	21	4 25.5	21.6
346840 2009 DM_{57}	16.0	X	223.16228	54.60941	356.25802	10.12157	0.1089557	0.18617334	3.0375567	21	6 13.3	20.9
346841 2009 DD_{77}	16.5	X	69.74268	89.44589	102.94273	2.83935	0.0695118	0.18288413	3.0738691	21	6 17.9	20.5
346842 2009 DW_{88}	17.3	X	314.14274	282.77321	185.23283	4.85592	0.2407099	0.22315688	2.6919223	21	12 28.9	19.5
346843 2009 DZ_{92}	15.5	X	63.08377	169.67354	17.09275	15.26888	0.0441259	0.17545440	3.1600445	21	5 24.9	20.1
346844 2009 DP_{95}	15.8	X	56.93330	253.03748	351.48251	10.12078	0.0296159	0.19237994	2.9718681	21	8 5.5	19.9
346845 2009 DA_{96}	15.6	X	23.02259	232.28451	355.49094	11.29026	0.0268335	0.18083019	3.0971014	21	5 22.3	20.0
346846 2009 DB_{110}	15.9	X	137.81345	235.30081	283.22635	10.21350	0.0746150	0.18981561	2.9985740	21	7 27.3	20.3
346847 2009 DC_{115}	16.8	X	138.27129	341.13532	162.04332	2.78319	0.1300455	0.18786895	3.0192521	21	7 13.8	21.6
346848 2009 DS_{116}	15.9	X	354.62489	250.01635	354.81377	4.66765	0.1285995	0.17277041	3.1926879	21	5 2.9	19.8
346849 2009 DU_{116}	16.9	X	205.13239	353.37405	97.23327	1.06484	0.1498099	0.19160465	2.9798794	21	7 13.2	21.7
346850 2009 DY_{119}	16.2	X	172.57054	71.46034	346.91297	9.93235	0.1498967	0.17682698	3.1436706	21	5 1.6	21.4
346851 2009 DO_{122}	16.4	X	201.08797	61.47074	2.49493	10.16484	0.1401290	0.18293074	3.0733469	21	6 5.3	21.5
346852 2009 DD_{124}	16.8	X	194.68091	202.64817	299.20723	1.01722	0.0514698	0.19667519	2.9284400	21	9 9.4	21.1
346853 2009 DU_{128}	15.6	X	84.72980	111.09356	53.30308	11.70096	0.0781278	0.17731865	3.1378567	21	6 1.9	20.0
346854 2009 DW_{132}	16.6	X	296.99300	203.50249	167.19707	2.10361	0.1250734	0.19409887	2.9542963	21	7 19.6	20.4
346855 2009 EJ	16.2	X	110.00698	28.85249	106.11814	2.47718	0.1577439	0.18021909	3.1040986	21	6 7.3	20.7
346856 2009 EZ_{14}	16.3	X	179.90081	84.59064	353.13125	8.24032	0.0739338	0.18255558	3.0775560	21	6 1.7	21.1
346857 2009 EF_{16}	15.9	X	206.73998	356.36907	4.32238	7.90550	0.0430265	0.16944814	3.2342843	21	3 30.6	20.6
346858 2009 EN_{19}	16.3	X	49.77790	279.74716	275.16989	0.20734	0.0764279	0.17916759	3.1162317	21	5 24.9	20.4
346859 2009 ET_{21}	16.4	X	114.18171	71.37301	84.34219	4.81420	0.0778539	0.18371429	3.0646021	21	6 28.3	20.8
346860 2009 EF_{23}	16.0	X	137.62405	304.17759	189.52521	17.65786	0.1617123	0.18087550	3.0965842	21	7 2.4	21.3
346861 2009 EQ_{23}	15.0	X	300.61892	180.27084	120.30897	16.61702	0.0557520	0.17392751	3.1785121	21	5 11.5	19.7
346862 2009 EY_{26}	16.2	X	69.87564	217.50260	296.00581	3.65783	0.0788244	0.17049262	3.2210613	21	4 29.3	20.5
346863 2009 EA_{30}	15.7	X	300.23874	353.08693	53.59539	8.24324	0.0605086	0.20015200	2.8944281	21	9 24.6	19.5
346864 2009 EP_{30}	15.9	X	203.13939	59.98523	28.72497	10.46104	0.0844492	0.18419398	3.0592791	21	7 13.8	20.7
346865 2009 FJ_{3}	16.2	X	18.22356	224.79656	60.49502	9.72425	0.0576985	0.19182769	2.9775691	21	8 8.4	20.2
346866 2009 FX_{14}	15.8	X	57.00677	341.33415	167.69323	15.00360	0.1017091	0.17048657	3.2211375	21	4 12.9	20.1
346867 2009 FZ_{15}	16.1	X	169.25875	34.27506	60.19828	7.22377	0.0688014	0.17828831	3.1264691	21	6 12.2	20.8
346868 2009 FC_{19}	16.9	X	106.25021	29.96350	133.69713	2.42998	0.0416053	0.18126679	3.0921262	21	6 24.1	21.3
346869 2009 FT_{24}	15.8	X	64.85312	38.77921	143.68986	6.87355	0.1097479	0.17405607	3.1769468	21	6 5.4	20.1
346870 2009 FW_{24}	15.9	X	188.26473	223.24858	21.08058	13.35886	0.1025548	0.21722003	2.7407503	21	—	—
346871 2009 FB_{26}	16.2	X	48.25970	219.81050	331.85472	15.38837	0.1619213	0.17798146	3.1300615	21	5 25.4	20.4
346872 2009 FW_{46}	16.4	X	111.89702	70.87940	42.28957	1.92410	0.1653128	0.17289359	3.1911713	21	5 14.3	21.2
346873 2009 FN_{47}	16.0	X	55.51190	141.57175	70.67670	8.80693	0.0800928	0.17778060	3.1324187	21	6 25.4	20.1
346874 2009 FR_{49}	16.0	X	117.56189	346.38188	130.89757	5.91851	0.1132769	0.17522790	3.1627670	21	5 20.9	20.7
346875 2009 FD_{50}	15.6	X	85.90813	116.91352	39.79389	16.63862	0.0421280	0.17303551	3.1894262	21	5 18.0	20.1
346876 2009 FY_{60}	17.6	X	303.47818	315.28889	154.56024	1.53721	0.2760725	0.21787005	2.7352962	21	11 29.5	19.9
346877 2009 FG_{64}	16.3	X	197.02125	49.46246	34.22972	5.38046	0.1908512	0.18358692	3.0660193	21	6 26.1	21.4
346878 2009 FD_{65}	16.4	X	97.97867	176.92667	330.53070	0.47108	0.1198194	0.17700968	3.1415070	21	6 4.1	21.0
346879 2009 HM_{26}	16.5	X	89.49594	103.40586	50.27580	4.28812	0.0806812	0.17063141	3.2193144	21	5 26.8	20.9
346880 2009 HM_{29}	16.3	X	331.19317	72.42637	51.05885	13.35719	0.2175202	0.22451426	2.6810614	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346881 2009 HP_{29}	16.5	X	199.86335	48.48880	66.28775	9.83601	0.1786493	0.19161741	2.9797471	21	8 8.9	21.5
346882 2009 HV_{29}	15.7	X	168.44093	55.64723	60.39328	10.00443	0.0491406	0.18254019	3.0777291	21	7 8.9	20.3
346883 2009 JH_{4}	13.3	X	313.19990	74.68360	243.50165	16.35352	0.0538785	0.08533051	5.1097520	21	6 15.5	19.9
346884 2009 JX_{12}	15.3	X	337.00714	175.25267	43.97979	17.45813	0.1318178	0.15605648	3.4167630	21	3 16.2	19.9
346885 2009 JN_{17}	12.9	X	326.65133	170.17745	137.98591	22.53257	0.1447601	0.08318364	5.1972957	21	6 16.3	19.5
346886 Middelburg	17.9	X	139.92336	106.35608	238.65444	19.45720	0.1023523	0.37473021	1.9054179	21	—	—
346887 2009 OU_{23}	15.5	X	331.84985	194.26772	226.62851	11.00480	0.1270594	0.17635717	3.1492511	21	11 18.2	19.2
346888 2009 PB_{10}	17.5	X	126.42523	63.98340	323.24300	20.11967	0.0817352	0.37322725	1.9105298	21	—	—
346889 Rhiphonos	11.8	X	115.82546	13.05371	11.44547	19.94387	0.4444725	0.02795046	10.7533410	21	3 17.8	23.2
346890 2009 RP_{30}	17.4	X	221.23749	63.61360	206.60764	6.08738	0.1278313	0.28227091	2.3015759	21	—	—
346891 2009 RO_{39}	17.6	X	250.45404	33.61927	284.73890	4.46957	0.2247151	0.30186831	2.2008530	21	2 26.3	21.1
346892 2009 RY_{42}	18.1	X	179.31428	205.40114	213.33539	5.56636	0.2730683	0.29972690	2.2113232	21	5 9.2	21.8
346893 2009 RT_{43}	17.9	X	186.37645	154.81697	220.79796	4.96582	0.1424936	0.29533779	2.2331781	21	3 14.3	21.3
346894 2009 RG_{54}	18.1	X	225.24224	240.74377	50.07096	4.02357	0.1810412	0.28696914	2.2763861	21	1 7.3	21.6
346895 2009 SN_{38}	17.4	X	228.31757	304.77456	330.97013	1.56715	0.1046097	0.28303290	2.2974431	21	—	—
346896 2009 SL_{98}	17.6	X	146.52614	207.17307	196.83710	6.56890	0.0978800	0.29273445	2.2463986	21	3 3.9	20.6
346897 2009 SJ_{104}	17.5	X	119.62029	194.70367	218.93703	21.54157	0.0647850	0.37311354	1.9109180	21	1 9.9	19.8
346898 2009 SC_{126}	17.7	X	223.67092	309.55483	322.29288	3.29271	0.1219916	0.28197403	2.3031911	21	—	—
346899 2009 ST_{360}	16.9	X	138.51882	30.91882	29.51891	15.21712	0.0890704	0.20878624	2.8140694	21	3 31.4	21.0
346900 2009 TD_{38}	17.0	X	58.72991	138.65782	276.27149	5.46663	0.1015101	0.26963879	2.3729093	21	—	—
346901 2009 TH_{44}	18.1	X	344.31430	233.23036	41.67038	6.98648	0.1041974	0.30415746	2.1897964	21	5 18.5	19.9
346902 2009 UJ_{1}	17.2	X	151.38961	56.44206	236.38134	19.29467	0.0532885	0.35308869	1.9825014	21	—	—
346903 2009 UG_{13}	17.7	X	41.79700	26.76043	68.56378	23.46419	0.0682133	0.35737606	1.9666138	21	—	—
346904 2009 UR_{88}	16.9	X	80.52297	137.76102	259.43627	6.67192	0.1017469	0.27098877	2.3650220	21	—	—
346905 2009 UY_{144}	17.4	X	54.47927	208.81784	212.89504	20.32865	0.0873127	0.35753232	1.9660407	21	—	—
346906 2009 VD_{21}	17.1	X	134.00614	340.81303	74.21801	7.28023	0.0859032	0.28512936	2.2861677	21	3 8.5	20.1
346907 2009 VH_{48}	17.8	X	257.65054	82.26916	209.87182	7.02552	0.1400197	0.28813988	2.2702158	21	2 5.7	21.2
346908 2009 VW_{79}	17.7	X	193.95152	331.98158	33.15755	10.62745	0.2438608	0.29214353	2.2494268	21	3 17.9	21.6
346909 2009 WR_{41}	17.9	X	234.49603	125.80760	262.83355	5.49879	0.0800789	0.30096490	2.2052550	21	5 26.6	20.6
346910 2009 WW_{50}	18.0	X	189.24968	180.33166	294.20124	1.28372	0.0458034	0.31073101	2.1588028	21	8 3.8	20.7
346911 2009 WF_{76}	17.8	X	343.43144	177.41144	91.41554	6.33469	0.0689451	0.29911381	2.2143439	21	5 14.4	20.0
346912 2009 WR_{83}	17.5	X	107.54652	120.82743	283.95188	5.09152	0.1640472	0.27742629	2.3282930	21	1 25.4	20.1
346913 2009 WQ_{87}	17.2	X	33.89546	182.33857	38.22579	6.98648	0.1071558	0.29771064	2.2212962	21	5 29.9	19.1
346914 2009 WR_{94}	17.4	X	201.30124	253.89381	84.57754	6.90244	0.2151481	0.29071227	2.2568038	21	2 16.7	21.1
346915 2009 WY_{125}	17.8	X	294.16103	125.61986	230.87289	4.26624	0.1097790	0.31005315	2.1619482	21	6 27.7	19.9
346916 2009 WD_{204}	17.5	X	196.66280	270.42810	79.85744	7.57105	0.1406036	0.28472714	2.2883203	21	2 26.6	21.0
346917 2009 WO_{262}	17.7	X	139.05541	242.24045	137.24962	2.65473	0.2301933	0.27963660	2.3160079	21	2 11.5	20.9
346918 2009 XF_{18}	17.4	X	117.50219	183.40609	301.23954	6.14612	0.0396272	0.28794080	2.2712620	21	5 9.4	20.2
346919 2009 XO_{20}	16.9	X	90.45386	234.19882	273.48925	5.79813	0.0378177	0.28786864	2.2716416	21	5 3.7	19.6
346920 2009 XL_{21}	17.8	X	224.02887	107.27880	275.45838	6.03726	0.1559384	0.29518107	2.2339685	21	4 29.9	21.2
346921 2009 XM_{21}	16.4	X	183.73033	358.75316	101.68002	5.49115	0.0245356	0.21397713	2.7683722	21	7 6.4	20.1
346922 2009 YV_{4}	17.4	X	83.29994	95.40097	80.89011	5.46190	0.0737488	0.29009493	2.2600044	21	6 12.5	19.9
346923 2009 YT_{20}	16.9	X	275.59617	180.39771	80.52324	6.96478	0.0740860	0.27217805	2.3581277	21	1 28.4	20.1
346924 2009 YR_{22}	18.2	X	109.34140	154.77441	346.05089	2.77165	0.1392105	0.28943060	2.2634613	21	6 7.8	21.0
346925 2009 YH_{25}	17.4	X	342.54238	51.59593	134.45607	5.47900	0.1617854	0.26605229	2.3941869	21	1 1.8	20.2
346926 2010 AS_{2}	17.9	X	204.50139	106.21806	326.48418	4.01923	0.1240183	0.29819828	2.2188739	21	6 19.9	21.0
346927 2010 AG_{28}	17.3	X	91.99943	64.27998	87.91158	6.44818	0.0510341	0.28938842	2.2636813	21	5 18.1	19.8
346928 2010 AX_{30}	17.6	X	351.34189	128.04794	48.11241	1.30373	0.2221917	0.26319309	2.4114951	21	—	—
346929 2010 AN_{31}	17.1	X	41.64577	209.95476	313.50891	7.78952	0.0220083	0.27451880	2.3447038	21	3 12.3	20.0
346930 2010 AA_{35}	17.9	X	197.85078	269.44792	153.63414	3.23865	0.2046710	0.29498915	2.2349373	21	5 29.9	21.4
346931 2010 AR_{35}	16.7	X	218.37298	202.83575	145.68250	7.07686	0.2816912	0.28192257	2.3034714	21	3 14.2	20.8
346932 2010 AH_{36}	16.4	X	139.22816	352.22503	279.57266	7.12914	0.1004713	0.23775687	2.5805603	21	12 23.9	20.2
346933 2010 AS_{37}	17.1	X	163.41881	358.44275	108.15789	4.70495	0.0517219	0.29205631	2.2498746	21	6 18.7	19.9
346934 2010 AQ_{44}	17.2	X	343.10388	209.97782	100.69622	6.82793	0.1238996	0.30346425	2.1931299	21	7 15.9	18.6
346935 2010 AF_{47}	17.9	X	160.45285	160.71050	274.49831	4.35393	0.0974972	0.28760768	2.2730155	21	5 3.4	21.1
346936 2010 AJ_{47}	17.3	X	165.89124	250.50246	241.45278	3.26156	0.0651138	0.30009974	2.2094913	21	7 27.9	20.1
346937 2010 AE_{50}	16.9	X	235.43583	311.66793	233.74936	4.56779	0.0993881	0.23956974	2.5675254	21	12 22.1	20.2
346938 2010 AA_{51}	17.1	X	356.03133	313.70503	183.54878	6.49572	0.0783917	0.25884319	2.4384371	21	—	—
346939 2010 AT_{51}	17.2	X	345.40330	17.27087	149.70663	7.12946	0.0774310	0.26480401	2.4017051	21	—	—
346940 2010 AQ_{55}	17.9	X	72.21740	97.67149	25.49378	1.09249	0.1453766	0.27344632	2.3508306	21	3 19.9	20.0
346941 2010 AG_{59}	17.1	X	97.13545	127.67748	352.40195	6.37594	0.1195133	0.28134112	2.3066440	21	4 17.1	19.7
346942 2010 AU_{61}	17.8	X	341.80915	154.37340	355.96668	1.47415	0.1684450	0.25726003	2.4484308	21	—	—
346943 2010 AN_{67}	16.8	X	52.56830	301.62933	328.58568	3.47661	0.0512309	0.22571143	2.6715728	21	9 4.4	20.1
346944 2010 AH_{72}	17.4	X	122.58657	184.85065	321.34921	7.82804	0.1497284	0.29166110	2.2519066	21	7 4.5	20.6
346945 2010 AT_{74}	16.3	X	315.86626	256.50999	294.80214	13.78947	0.0861051	0.26092840	2.4254285	21	—	—
346946 2010 AF_{76}	17.2	X	173.70106	328.36502	122.32257	8.96214	0.0748315	0.29455706	2.2371224	21	6 10.9	20.3
346947 2010 AX_{76}	17.2	X	106.52142	197.27868	315.03714	6.48032	0.0441292	0.29198291	2.2502517	21	6 5.4	19.9
346948 2010 AJ_{81}	15.4	X	340.22989	195.31235	337.89829	13.73714	0.0981290	0.17649009	3.1476698	21	1 17.3	19.7
346949 2010 AJ_{87}	17.2	X	115.44466	246.05077	221.28594	9.15252	0.1653684	0.27474338	2.3434259	21	5 4.4	20.3
346950 2010 AG_{89}	16.6	X	104.66040	217.90210	14.01448	7.59122	0.0172354	0.21006317	2.8026537	21	9 18.4	20.4
346951 2010 AU_{90}	16.3	X	211.72450	303.16337	268.58004	12.03190	0.1069445	0.23038101	2.6353498	21	12 23.8	19.9
346952 2010 AQ_{94}	17.3	X	281.41203	194.79719	313.15609	11.07087	0.1025156	0.23453074	2.6041712	21	—	—
346953 2010 AB_{100}	15.7	X	302.20449	271.45300	51.15639	15.92760	0.2029701	0.18848176	3.0127042	21	5 12.3	19.7
346954 2010 AX_{105}	16.6	X	3.13485	216.29829	187.25516	10.60113	0.1098912	0.22836479	2.6508386	21	12 27.7	20.0
346955 2010 AO_{107}	16.7	X	268.95527	101.24665	72.28215	17.85796	0.1206846	0.23624901	2.5915289	21	—	—
346956 2010 AB_{113}	15.6	X	228.93482	156.10042	162.01827	19.57571	0.1465465	0.16930704	3.2360810	21	2 27.2	20.7
346957 2010 BJ_{4}	16.2	X	79.93447	266.99396	268.97621	19.99879	0.2659849	0.28444084	2.2898555	21	7 7.4	19.1
346958 2010 BX_{51}	15.5	X	278.50260	30.62313	269.71357	9.65198	0.1529359	0.17498757	3.1656623	21	3 20.2	20.4
346959 2010 BM_{54}	16.4	X	313.67859	210.59085	59.49393	4.96316	0.0865090	0.17784887	3.1316170	21	4 10.8	20.6
346960 2010 BJ_{78}	15.8	X	252.09383	244.77215	281.75811	21.33642	0.1025642	0.22844556	2.6502138	21	12 18.0	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
346961 2010 CU_{1}	17.7	X	251.14532	270.13207	138.34444	4.37916	0.3162788	0.30737955	2.1744666	21	6 18.6	21.1
346962 2010 CB_{4}	18.1	X	170.86043	281.57660	145.85032	2.55978	0.1582619	0.28557634	2.2837816	21	5 10.3	21.5
346963 2010 CN_{4}	17.4	X	96.25146	45.65208	118.60396	5.07325	0.1078629	0.28699949	2.2762256	21	6 19.9	20.1
346964 2010 CR_{4}	17.4	X	116.52835	155.40523	346.95105	4.00892	0.1537938	0.28738067	2.2742123	21	6 21.4	20.5
346965 2010 CS_{4}	17.4	X	12.96113	41.13323	120.65067	2.73352	0.1500797	0.26491642	2.4010257	21	1 20.6	19.6
346966 2010 CD_{7}	16.3	X	174.31320	121.31349	76.45431	8.72388	0.1575007	0.21430899	2.7655136	21	10 27.8	20.8
346967 2010 CP_{8}	16.2	X	249.81652	123.15403	83.28636	12.00781	0.1183428	0.23380047	2.6095911	21	—	—
346968 2010 CZ_{31}	17.2	X	262.40232	355.19739	150.78520	4.86617	0.1263919	0.23291686	2.6161869	21	12 2.8	20.4
346969 2010 CO_{32}	17.5	X	295.25206	175.74501	348.31361	6.94487	0.1816273	0.24338779	2.5406033	21	—	—
346970 2010 CU_{32}	17.8	X	49.08421	192.01551	352.37047	5.17125	0.1620890	0.27886865	2.3202579	21	5 9.0	19.8
346971 2010 CK_{33}	17.4	X	67.54187	109.86884	41.05100	3.24994	0.1270546	0.27718567	2.3296403	21	4 19.4	19.6
346972 2010 CA_{34}	16.7	X	39.51698	131.12547	161.87281	6.03071	0.0869221	0.21537485	2.7563819	21	9 22.1	20.2
346973 2010 CP_{34}	16.8	X	52.39949	235.33165	47.93162	5.10683	0.0764681	0.21400064	2.7681694	21	9 27.0	20.4
346974 2010 CC_{35}	17.2	X	171.55045	355.83635	65.66100	5.22285	0.1037890	0.28048712	2.3113237	21	4 30.8	20.4
346975 2010 CJ_{39}	16.9	X	116.73626	246.59650	151.67557	6.19839	0.1214482	0.26274919	2.4142105	21	1 26.4	19.7
346976 2010 CN_{62}	17.3	X	71.10691	82.79931	108.15908	5.88003	0.1178287	0.28523630	2.2855963	21	6 23.5	19.8
346977 2010 CV_{65}	17.1	X	245.50534	45.66250	142.43861	7.87332	0.0353570	0.24285139	2.5443430	21	—	—
346978 2010 CN_{66}	17.5	X	40.72849	42.54767	122.75632	1.93631	0.1226491	0.26976458	2.3721716	21	3 23.0	19.6
346979 2010 CB_{69}	17.3	X	269.51757	196.57640	333.88844	5.04602	0.2323207	0.23950963	2.5679549	21	12 31.5	20.2
346980 2010 CA_{82}	16.3	X	3.69015	73.59780	355.23931	11.75638	0.0388533	0.23709642	2.5853502	21	—	—
346981 2010 CO_{82}	16.9	X	205.23978	11.36731	169.15767	10.05175	0.1808319	0.22456432	2.6806629	21	11 3.3	21.2
346982 2010 CR_{84}	17.8	X	73.59580	8.89617	126.57075	1.98105	0.1288723	0.27378693	2.3488804	21	4 8.1	20.1
346983 2010 CD_{93}	16.8	X	17.98982	252.63225	116.40422	2.89672	0.0956553	0.22789807	2.6544565	21	12 3.5	19.9
346984 2010 CR_{100}	16.7	X	84.09044	260.43998	330.27008	8.39683	0.1258878	0.21016868	2.8017157	21	9 3.2	20.5
346985 2010 CR_{103}	17.9	X	94.47140	342.08405	124.81124	1.96278	0.1447925	0.27184714	2.3600410	21	4 3.0	20.6
346986 2010 CS_{109}	17.9	X	69.01807	186.12513	334.44348	1.84359	0.1403015	0.27890535	2.3200543	21	5 7.6	20.1
346987 2010 CN_{123}	17.4	X	135.48121	173.69742	92.89132	1.05639	0.0507373	0.22966293	2.6408402	21	12 11.6	21.3
346988 2010 CJ_{125}	17.1	X	222.85139	145.23362	8.27960	4.79263	0.0994615	0.22423627	2.6832768	21	10 23.9	20.8
346989 2010 CU_{129}	16.5	X	228.84435	78.84193	69.86513	12.65538	0.0558045	0.21521224	2.7577702	21	11 2.9	20.4
346990 2010 CP_{138}	17.5	X	74.80899	340.40731	152.57672	3.86924	0.1938057	0.27243980	2.3566171	21	4 18.3	19.7
346991 2010 CU_{140}	17.4	X	12.14553	116.13956	61.72315	2.24169	0.1207232	0.26793951	2.3829314	21	2 15.3	19.6
346992 2010 CB_{144}	17.7	X	71.59403	159.53488	352.19616	3.48416	0.1508682	0.27533472	2.3400694	21	4 30.1	20.1
346993 2010 CT_{148}	17.7	X	63.76926	41.76726	121.73664	2.69210	0.1637814	0.27982709	2.3149567	21	5 8.5	19.8
346994 2010 CO_{157}	17.2	X	114.94361	167.65637	118.41055	4.01453	0.1011219	0.22736616	2.6585949	21	12 15.3	21.1
346995 2010 CW_{166}	17.3	X	225.37505	11.41916	162.14947	4.22677	0.1545901	0.22811451	2.6527772	21	11 16.9	21.1
346996 2010 CU_{168}	16.2	X	148.66245	269.36702	328.46900	11.98662	0.1419492	0.22280217	2.6947787	21	11 15.9	20.8
346997 2010 CS_{170}	16.8	X	84.57155	59.60879	250.12953	1.69501	0.0818300	0.22614640	2.6681460	21	12 9.9	20.6
346998 2010 CR_{182}	16.8	X	306.66640	142.76326	75.29991	6.55834	0.1463289	0.25915540	2.4364783	21	1 1.9	20.2
346999 2010 CQ_{183}	16.6	X	84.88363	178.83203	81.91389	4.59366	0.0480155	0.21496735	2.7598642	21	10 6.1	20.4
347000 2010 CW_{216}	16.2	X	342.67196	307.34777	61.50472	17.60158	0.0667632	0.20699965	2.8302381	21	10 12.9	20.0
347001 2010 CN_{220}	16.3	X	277.39141	97.10384	235.24823	14.69523	0.0826715	0.18092326	3.0960391	21	5 10.9	20.7
347002 2010 CC_{227}	16.3	X	344.79375	154.74327	82.05534	16.59842	0.0182809	0.17576866	3.1562769	21	4 24.3	20.9
347003 2010 CH_{229}	15.4	X	266.52090	316.59430	32.47961	23.62047	0.1133772	0.18118167	3.0930947	21	5 10.1	20.1
347004 2010 DF_{2}	16.5	X	283.45011	90.22772	292.64947	4.98715	0.0432425	0.21869850	2.7283841	21	7 29.8	20.1
347005 2010 DJ_{12}	16.4	X	42.69615	334.32839	346.21967	5.88267	0.0558564	0.21945016	2.7221504	21	10 25.8	20.0
347006 2010 DX_{21}	17.1	X	204.59002	127.73761	303.84350	5.44486	0.1278114	0.29579609	2.2308709	21	6 18.3	20.3
347007 2010 DM_{23}	16.0	X	265.60402	156.89018	201.83682	14.63722	0.0725886	0.18230141	3.0804160	21	6 1.4	20.6
347008 2010 DP_{32}	16.2	X	210.83382	321.47772	248.59929	10.68674	0.1361593	0.22360855	2.6882962	21	12 16.1	20.1
347009 2010 DF_{33}	15.1	X	215.48684	83.03360	309.87169	21.11120	0.0666634	0.17974808	3.1095189	21	5 11.5	20.2
347010 2010 DC_{37}	17.0	X	8.78359	329.05717	352.60263	4.00093	0.0692984	0.21437194	2.7649721	21	9 11.5	20.4
347011 2010 DF_{39}	16.8	X	60.24387	296.85960	50.39963	3.51224	0.1182708	0.23000325	2.6382346	21	—	—
347012 2010 DL_{42}	17.8	X	92.97300	300.95550	195.56778	2.72586	0.1353973	0.27754722	2.3276167	21	5 10.9	20.4
347013 2010 DA_{43}	17.8	X	81.18025	315.60411	184.26287	2.06721	0.1580109	0.27533317	2.3400781	21	5 1.7	20.3
347014 2010 DT_{55}	15.8	X	344.17994	57.88276	197.86542	15.54206	0.0697039	0.17637897	3.1489917	21	5 7.8	20.0
347015 2010 DL_{74}	17.0	X	122.37880	15.51194	333.02769	2.91159	0.0735248	0.24569499	2.5246733	21	—	—
347016 2010 DR_{77}	17.3	X	337.89043	60.74319	41.26469	14.64397	0.1018833	0.24122056	2.5557979	21	—	—
347017 2010 DB_{78}	17.0	X	325.56565	153.30411	332.64694	5.04317	0.1212131	0.24238216	2.5476257	21	—	—
347018 2010 DZ_{78}	16.7	X	97.62210	297.78458	151.89600	10.02931	0.0844236	0.26762418	2.3848029	21	3 5.2	19.5
347019 2010 EL_{12}	16.9	X	188.85583	183.58335	352.49447	8.33959	0.1790466	0.22002819	2.7173807	21	10 9.2	21.4
347020 2010 EV_{20}	16.9	X	208.27327	327.94917	302.92254	4.19110	0.0510948	0.24763221	2.5114891	21	—	—
347021 2010 EB_{34}	17.0	X	204.15412	358.11755	194.24329	4.79138	0.0983840	0.22568837	2.6717548	21	11 22.6	20.8
347022 2010 EV_{35}	17.4	X	12.37017	357.00152	202.99095	4.34969	0.1893653	0.26870754	2.3783886	21	3 12.7	19.3
347023 2010 EZ_{38}	16.5	X	194.44057	263.40632	315.45370	7.47861	0.1473903	0.23069501	2.6329579	21	12 9.9	20.7
347024 2010 EQ_{39}	17.3	X	42.54901	306.39145	206.58398	5.98365	0.2294409	0.26901728	2.3765626	21	3 10.6	18.8
347025 2010 EP_{40}	17.8	X	36.17251	261.46087	243.44671	4.14101	0.1762804	0.26492416	2.4009788	21	2 8.6	19.7
347026 2010 EN_{43}	16.8	X	204.93462	190.33132	72.28549	4.23594	0.2028743	0.24453258	2.5326678	21	—	—
347027 2010 EJ_{44}	15.7	X	162.62160	163.85134	54.68234	14.26346	0.1403404	0.22077584	2.7112424	21	11 10.1	20.1
347028 Važec	18.1	X	70.72084	210.00736	237.89547	1.77353	0.1619297	0.26623689	2.3930800	21	1 26.3	20.1
347029 2010 EV_{69}	17.1	X	206.92458	82.83020	93.87690	5.76248	0.0937930	0.22132251	2.7067760	21	11 7.2	21.1
347030 2010 EX_{70}	16.1	X	75.35620	38.38926	8.21039	9.21978	0.1612335	0.24716476	2.5146546	21	—	—
347031 2010 EZ_{76}	16.9	X	99.65093	66.06944	180.58130	4.31267	0.0112354	0.21146451	2.7902582	21	9 28.9	20.7
347032 2010 EM_{82}	16.5	X	49.19819	289.02084	268.20786	1.48989	0.1416699	0.18623045	3.0369356	21	6 3.9	20.3
347033 2010 EK_{85}	16.4	X	331.49849	18.41558	9.07951	13.41299	0.0150133	0.21697509	2.7428125	21	10 12.4	20.2
347034 2010 EJ_{88}	16.4	X	160.24321	313.96564	347.23291	13.69577	0.0754795	0.24667408	2.5179883	21	—	—
347035 2010 EE_{94}	16.8	X	121.23733	288.52737	59.55632	2.82261	0.1244811	0.24606787	2.5221221	21	—	—
347036 2010 EH_{94}	17.9	X	64.06919	55.00631	99.97121	2.27689	0.1202631	0.27370539	2.3493469	21	4 19.6	20.1
347037 2010 EU_{101}	17.7	X	357.15762	354.33566	179.09158	2.58915	0.1214556	0.25756335	2.4465082	21	1 15.2	20.5
347038 2010 EF_{104}	16.2	X	198.11132	125.44962	69.51863	18.83601	0.2106954	0.22528854	2.6749150	21	11 13.1	20.6
347039 2010 EV_{106}	16.0	X	277.84428	40.56120	354.92111	16.61640	0.1192598	0.21180007	2.7873103	21	8 3.1	20.0
347040 2010 EW_{106}	17.7	X	93.32763	355.64939	114.29873	2.11177	0.1414635	0.27271876	2.3550097	21	4 5.1	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
347041 2010 EH_{109}	16.6	X	144.78104	13.65580	195.48744	7.66024	0.1509963	0.21281659	2.7784274	21	10 12.1	21.2
347042 2010 EN_{113}	17.1	X	232.34357	175.51702	348.91409	4.68880	0.1271691	0.23020967	2.6366572	21	11 14.5	20.8
347043 2010 EU_{120}	17.0	X	175.27670	272.91996	274.12298	1.82549	0.1270129	0.21590424	2.7518744	21	10 12.9	21.5
347044 2010 EA_{122}	16.4	X	336.12747	135.49826	242.41398	4.99829	0.0208225	0.21573494	2.7533139	21	10 5.7	20.0
347045 2010 EU_{122}	16.8	X	335.88219	145.41518	328.81823	3.07152	0.0265233	0.23613634	2.5923531	21	—	—
347046 2010 EU_{123}	16.5	X	307.11535	333.51765	155.08010	9.25289	0.1086852	0.23798721	2.5788949	21	—	—
347047 2010 EM_{124}	16.6	X	155.51317	173.28145	19.14926	10.06615	0.1397167	0.21610896	2.7501362	21	10 2.8	21.1
347048 2010 ET_{124}	16.7	X	194.19054	7.29040	221.98981	5.16647	0.1148026	0.23191569	2.6237108	21	12 25.6	20.6
347049 2010 EZ_{126}	16.8	X	305.30622	80.18803	91.92037	7.02320	0.1046994	0.24559010	2.5253921	21	—	—
347050 2010 EK_{127}	17.1	X	34.90448	136.54277	89.99201	8.98274	0.1667182	0.27683497	2.3316073	21	6 20.8	19.0
347051 2010 EQ_{130}	16.3	X	344.80135	192.32409	195.66280	14.26259	0.1360304	0.21754183	2.7380468	21	11 7.9	19.3
347052 2010 EV_{130}	17.0	X	153.12343	30.04736	200.55436	8.81964	0.0821785	0.21753591	2.7380964	21	11 15.9	21.1
347053 2010 ET_{137}	17.0	X	293.04600	115.78421	11.37853	12.28947	0.1547107	0.23283924	2.6167683	21	12 21.5	20.1
347054 2010 EZ_{137}	15.1	X	350.96107	195.94028	33.02369	17.97169	0.1443180	0.18126657	3.0921288	21	4 8.7	18.7
347055 2010 ER_{138}	16.3	X	148.11450	132.27002	121.28260	2.96751	0.2172756	0.22055950	2.7130151	21	12 7.6	21.0
347056 2010 EZ_{138}	16.2	X	267.22572	65.37521	123.37124	12.54288	0.1020128	0.23754687	2.5820809	21	—	—
347057 2010 EY_{139}	16.9	X	47.50710	161.45017	118.41546	0.65023	0.0680801	0.20476287	2.8508120	21	9 11.6	20.7
347058 2010 EE_{140}	15.6	X	305.79210	186.53508	102.19498	11.15289	0.2326031	0.17828343	3.1265261	21	4 6.3	20.1
347059 2010 FU_{1}	16.2	X	63.26137	231.27599	109.85365	4.76769	0.0976099	0.22997665	2.6384380	21	12 27.0	19.8
347060 2010 FQ_{3}	16.2	X	175.36906	211.78503	15.82632	13.42734	0.1310514	0.22678710	2.6631185	21	11 29.9	20.6
347061 2010 FR_{4}	17.1	X	167.12077	238.78087	36.72153	3.65397	0.0239456	0.23678292	2.5876317	21	—	—
347062 2010 FY_{10}	16.9	X	109.77538	176.42112	116.75023	3.42724	0.0916953	0.22677781	2.6631912	21	12 17.8	20.9
347063 2010 FY_{24}	16.5	X	149.32527	142.25031	58.47393	5.80192	0.0967633	0.21261899	2.7801486	21	10 7.2	20.7
347064 2010 FF_{27}	17.3	X	342.64018	82.51402	37.36142	10.48376	0.0950685	0.24603381	2.5223549	21	—	—
347065 2010 FT_{28}	14.8	X	339.28388	141.28588	95.98296	17.94211	0.1559157	0.17643037	3.1483801	21	4 5.9	19.0
347066 2010 FY_{30}	16.4	X	356.30951	178.93726	63.88731	6.58041	0.1054648	0.18306328	3.0718633	21	5 6.0	20.0
347067 2010 FD_{31}	16.9	X	64.89644	281.01589	8.85791	5.88004	0.0076529	0.21350309	2.7724684	21	10 9.2	20.7
347068 2010 FL_{47}	16.8	X	130.96658	74.44595	147.23862	2.97510	0.0826854	0.21313178	2.7756875	21	10 12.2	21.0
347069 2010 FR_{54}	16.0	X	32.59436	27.51851	188.80261	13.56614	0.0343462	0.18580569	3.0415622	21	5 25.8	20.3
347070 2010 FP_{57}	16.7	X	227.33174	59.69132	126.02486	8.50523	0.1602222	0.23062829	2.6334657	21	12 4.2	20.5
347071 2010 FW_{83}	16.6	X	306.03282	51.61398	87.31341	5.76774	0.1574406	0.23995658	2.5647652	21	—	—
347072 2010 FF_{87}	15.8	X	146.22495	196.70738	52.48919	8.84623	0.1072395	0.22087275	2.7104493	21	11 30.1	20.1
347073 2010 FW_{88}	16.8	X	175.28272	121.36731	125.81446	4.45634	0.0568521	0.22702355	2.6612690	21	12 31.3	20.7
347074 2010 FO_{100}	17.3	X	250.58479	323.94389	173.21231	3.17104	0.0410179	0.22364924	2.6879701	21	11 16.2	20.8
347075 2010 GS_{23}	15.7	X	288.73654	38.97544	97.15869	14.75230	0.0083283	0.22953792	2.6417989	21	—	—
347076 2010 GD_{26}	16.8	X	194.88344	26.86241	189.64773	7.88734	0.0892521	0.22640285	2.6661308	21	12 12.8	20.8
347077 2010 GS_{27}	16.3	X	215.18229	157.93615	49.03065	12.53860	0.1231403	0.22858563	2.6491310	21	12 18.5	20.2
347078 2010 GR_{30}	17.1	X	210.30649	161.91385	43.18872	2.86108	0.0546273	0.22787585	2.6546291	21	12 19.9	20.8
347079 2010 GX_{31}	15.4	X	308.45711	154.09282	98.11569	16.01363	0.1458863	0.17138855	3.2098262	21	3 10.2	20.1
347080 2010 GM_{32}	15.8	X	186.06839	181.39507	61.93576	14.07446	0.0427841	0.22855755	2.6493479	21	—	—
347081 2010 GW_{35}	16.6	X	34.82361	278.73381	71.15147	5.74796	0.1277942	0.22022770	2.7157394	21	12 4.9	20.0
347082 2010 GV_{39}	17.4	X	169.86395	230.72538	260.53983	5.86804	0.0845255	0.30201112	2.2001591	21	7 31.4	20.4
347083 2010 GK_{75}	15.9	X	192.40797	147.54886	67.98735	15.29770	0.1284034	0.22441345	2.6818643	21	12 4.5	19.9
347084 2010 GY_{96}	17.1	X	49.28707	221.66625	78.62599	1.60878	0.0494851	0.21028200	2.8007090	21	10 9.2	20.8
347085 2010 GD_{102}	16.2	X	46.75851	175.09168	75.48721	11.43774	0.0634175	0.19215296	2.9742080	21	8 3.6	20.3
347086 2010 GM_{105}	16.2	X	33.36175	247.02109	89.11451	7.16392	0.0271430	0.21196781	2.7858396	21	11 2.3	20.0
347087 2010 GV_{108}	16.1	X	276.86399	217.56941	69.64943	6.08040	0.1344058	0.17118847	3.2123267	21	3 13.6	20.9
347088 2010 GL_{111}	16.7	X	155.32020	160.23884	57.18069	4.26090	0.1327553	0.21694556	2.7430614	21	11 1.4	21.1
347089 2010 GD_{114}	17.2	X	255.53198	327.30982	220.55867	1.73974	0.1381890	0.23346050	2.6121239	21	—	—
347090 2010 GG_{119}	17.1	X	282.86330	321.48022	150.19310	4.70406	0.0520090	0.22785267	2.6548091	21	11 26.3	20.5
347091 2010 GF_{123}	17.1	X	194.85030	30.64669	171.00567	3.05847	0.0438249	0.22114491	2.7082250	21	11 28.1	20.9
347092 2010 GJ_{132}	16.0	X	257.02529	297.33790	31.50431	12.30912	0.1293484	0.17640915	3.1486326	21	4 9.9	20.7
347093 2010 GN_{135}	16.0	X	228.52530	306.83913	34.83665	9.26111	0.0879416	0.17610349	3.1522749	21	3 31.4	20.8
347094 2010 GA_{136}	16.6	X	20.84446	101.41447	195.46737	11.97731	0.0498214	0.19974457	2.8983627	21	8 20.7	20.6
347095 2010 GU_{140}	17.0	X	316.88493	76.49461	18.43890	4.34486	0.0589942	0.22709838	2.6606844	21	12 21.7	20.4
347096 2010 GN_{144}	16.7	X	14.73623	269.07149	54.86564	2.86222	0.0930728	0.20473742	2.8510483	21	9 26.1	20.1
347097 2010 GJ_{160}	16.1	X	279.00260	38.95437	103.43447	13.92077	0.0509021	0.22764467	2.6564260	21	12 29.8	19.5
347098 2010 HO_{17}	13.2	X	344.83014	274.40871	2.64669	15.18289	0.1340266	0.08285381	5.2110800	21	6 1.3	19.7
347099 2010 HO_{21}	13.2	X	8.20130	19.99689	241.79004	23.73017	0.0419615	0.08272980	5.2162861	21	6 18.8	20.0
347100 2010 HS_{23}	16.8	X	301.10524	19.42669	118.52118	11.07139	0.2099808	0.23561991	2.5961397	21	—	—
347101 2010 HZ_{53}	16.1	X	152.12155	300.67060	248.58981	14.77141	0.1707983	0.19474946	2.9477131	21	9 17.1	21.3
347102 2010 HS_{79}	17.4	X	29.05881	57.09206	92.72585	3.28406	0.1613417	0.25833047	2.4416624	21	2 6.3	19.4
347103 2010 HX_{79}	15.5	X	322.84670	189.43334	54.37211	8.83857	0.1604301	0.17066926	3.2188384	21	3 14.9	19.8
347104 2010 HJ_{103}	16.2	X	61.14423	309.44302	211.91752	3.74169	0.0412517	0.17714850	3.1398656	21	4 23.6	20.5
347105 2010 HO_{103}	16.5	X	305.74389	294.09536	214.80086	16.79811	0.1526902	0.23628739	2.5912482	21	—	—
347106 2010 HG_{104}	16.1	X	207.59602	339.15811	246.09063	12.08531	0.2029636	0.22721767	2.6597531	21	12 24.2	20.2
347107 2010 HD_{105}	16.9	X	54.05788	178.36659	101.81196	3.29542	0.0273687	0.20260393	2.8710283	21	9 16.3	20.7
347108 2010 HJ_{107}	15.6	X	253.56825	195.44472	169.00919	12.02077	0.0838780	0.18001105	3.1064899	21	5 25.4	20.4
347109 2010 JX_{29}	16.5	X	15.50448	59.46604	187.28724	5.82563	0.0473209	0.18371476	3.0645968	21	6 10.1	20.6
347110 2010 JD_{37}	15.7	X	249.65668	330.88234	47.04275	15.86098	0.1236807	0.18597191	3.0397496	21	5 28.6	20.3
347111 2010 JR_{43}	16.3	X	118.98065	147.16137	75.88565	15.70439	0.0794397	0.20378227	2.8599501	21	10 7.3	20.8
347112 2010 JE_{48}	16.1	X	202.00719	193.46123	197.15364	9.02425	0.0979017	0.17483554	3.1674972	21	4 30.7	21.0
347113 2010 JA_{74}	16.9	X	134.09361	135.53611	50.06121	20.47388	0.0894885	0.20054469	2.8906485	21	9 10.8	21.7
347114 2010 JS_{76}	16.5	X	225.78022	258.06030	231.84735	9.51752	0.0823183	0.21031630	2.8004044	21	9 25.6	20.7
347115 2010 JK_{78}	15.5	X	328.59835	229.65701	57.94864	24.27754	0.1051783	0.18110210	3.0940006	21	5 20.2	19.4
347116 2010 JY_{79}	15.9	X	321.69562	123.92787	120.02278	13.07335	0.0308835	0.17050853	3.2208610	21	3 31.9	20.6
347117 2010 JK_{80}	15.7	X	269.39374	131.32538	56.73816	15.73221	0.0579382	0.23451035	2.6043221	21	—	—
347118 2010 JS_{82}	16.4	X	209.38105	132.90015	73.93327	14.36183	0.2046583	0.22451821	2.6810300	21	12 4.3	20.5
347119 2010 JT_{116}	15.7	X	329.34936	60.31548	60.35909	9.53784	0.0795314	0.23489017	2.6015139	21	—	—
347120 2010 JF_{122}	16.3	X	305.86375	88.93012	78.49648	4.97790	0.1139525	0.23881761	2.5729133	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
347121 2010 JU_{149}	16.2	X	239.66138	329.49201	233.39121	13.48668	0.1105668	0.23197173	2.6232882	21	—	—
347122 2010 JU_{151}	16.2	X	200.43350	356.46574	213.85746	14.53148	0.2234701	0.22644653	2.6657880	21	11 29.5	20.7
347123 2010 JF_{155}	15.7	X	279.71654	238.74351	48.66037	9.55054	0.0683626	0.17264343	3.1942533	21	3 26.2	20.4
347124 2010 JQ_{162}	16.7	X	128.27543	182.99873	52.77826	4.66586	0.0566110	0.21019065	2.8015204	21	10 24.6	20.6
347125 2010 JN_{164}	16.2	X	167.90164	55.78180	59.38041	11.09003	0.0748272	0.19268956	2.9686837	21	7 7.8	20.8
347126 2010 JF_{168}	15.8	X	252.47136	281.73207	93.30058	17.24856	0.1238704	0.18377820	3.0638915	21	6 1.8	20.5
347127 2010 JO_{174}	16.0	X	281.67025	271.73220	87.96909	3.87079	0.1096297	0.18679528	3.0308105	21	6 16.6	20.0
347128 2010 JQ_{175}	15.9	X	315.86619	194.90105	108.82939	11.79650	0.1611466	0.18062036	3.0994996	21	5 18.4	20.0
347129 2010 JZ_{175}	15.9	X	323.45080	67.04901	208.58585	13.87343	0.1799632	0.18026107	3.1036167	21	4 16.3	19.5
347130 2010 KT_{9}	16.2	X	224.17560	240.39880	136.34826	17.36228	0.2269182	0.17475536	3.1684660	21	5 4.4	21.9
347131 2010 KB_{62}	15.9	X	110.15062	299.15804	90.30112	22.49415	0.0141283	0.23899717	2.5716245	21	—	—
347132 2010 LE_{33}	16.9	X	213.20374	335.63824	201.13047	13.47619	0.2081379	0.22718763	2.6599875	21	11 2.7	21.1
347133 2010 LT_{77}	17.1	X	28.47598	290.15132	242.24030	8.08730	0.1991543	0.26859689	2.3790417	21	3 2.2	19.1
347134 2010 MC_{113}	13.6	X	281.29891	206.02970	164.32585	24.63923	0.0688428	0.08402878	5.1623885	21	7 6.1	20.7
347135 2010 NZ_{93}	15.9	X	177.68258	285.63875	257.50690	12.54570	0.0608035	0.21558522	2.7545885	21	10 8.9	20.2
347136 2010 OO_{33}	16.5	X	326.47249	45.44619	37.66631	8.36481	0.0818575	0.22549302	2.6732977	21	12 19.8	19.8
347137 2010 OO_{46}	15.8	X	275.16726	108.03794	200.67314	13.57734	0.1882650	0.17298817	3.1900081	21	3 26.5	20.8
347138 2010 OB_{50}	15.6	X	241.24066	232.89168	84.49851	6.33798	0.1477085	0.16798597	3.2530248	21	3 12.9	20.8
347139 2010 OF_{66}	15.8	X	182.79955	143.08644	230.80768	10.12678	0.1010615	0.16931578	3.2359696	21	3 18.9	20.9
347140 2010 OU_{70}	15.5	X	175.77449	284.46934	111.00024	15.18030	0.0730823	0.17408286	3.1766208	21	4 15.8	20.6
347141 2010 OO_{71}	16.5	X	10.97747	125.06460	261.70898	9.59209	0.0584809	0.21945525	2.7221083	21	12 9.5	20.0
347142 2010 OB_{77}	17.0	X	110.96400	73.36940	173.87139	4.47970	0.0155365	0.21011704	2.8021746	21	10 15.2	20.7
347143 2010 OX_{88}	16.0	X	305.51210	213.03880	253.50680	16.38280	0.0856414	0.22548122	2.6733909	21	12 17.9	19.1
347144 2010 OR_{98}	16.4	X	273.94842	60.39211	238.82405	8.93771	0.1669608	0.17026582	3.2239211	21	3 14.3	21.5
347145 2010 OF_{121}	16.9	X	204.74074	295.81380	225.67175	7.45738	0.1234682	0.21433054	2.7653282	21	10 10.1	21.2
347146 2010 OC_{122}	15.7	X	246.40717	258.65744	95.78653	11.52771	0.0680942	0.17888220	3.1195453	21	5 8.2	20.4
347147 2010 SJ_{33}	17.0	X	287.11082	231.97384	52.34760	5.13484	0.2412715	0.24201502	2.5502015	21	2 26.9	20.9
347148 2010 WY	13.0	X	10.31592	286.36256	77.08932	8.46496	0.0503474	0.08165933	5.2617740	21	10 20.9	19.8
347149 2011 CB_{76}	16.8	X	12.60454	251.05952	0.17629	23.31046	0.2556404	0.30539743	2.1838650	21	5 31.8	18.6
347150 2011 CH_{76}	17.8	X	1.48081	318.61258	161.85049	23.04936	0.0555695	0.37391393	1.9081900	21	—	—
347151 2011 CP_{87}	17.2	X	235.31253	347.86692	213.45087	5.60897	0.0477480	0.26435099	2.4044482	21	—	—
347152 2011 CV_{88}	16.1	X	15.78010	17.50385	255.03825	5.36705	0.1618462	0.22047116	2.7137398	21	7 21.5	18.9
347153 2011 EZ_{13}	17.6	X	303.97099	250.05669	26.71607	6.79603	0.1773499	0.29097124	2.2554645	21	3 9.3	20.4
347154 2011 EE_{14}	16.9	X	66.47045	36.64649	212.97936	6.40568	0.2201809	0.21497203	2.7598241	21	9 19.1	20.8
347155 2011 ET_{19}	16.5	X	130.15366	220.55375	6.49736	8.88334	0.1396440	0.23527439	2.5986808	21	10 20.1	20.6
347156 2011 EZ_{42}	16.6	X	72.11488	327.45889	338.23955	7.66678	0.0904942	0.24438447	2.5336910	21	11 22.4	20.2
347157 2011 EG_{63}	16.6	X	55.59596	139.78905	151.62236	13.18458	0.2794490	0.22318112	2.6917274	21	11 13.3	20.7
347158 2011 EA_{72}	16.4	X	197.72004	324.03596	175.34153	14.80122	0.1118278	0.23168998	2.6254145	21	9 7.9	20.4
347159 2011 FL_{7}	17.0	X	253.38397	186.50784	56.27533	3.18928	0.1794972	0.26982019	2.3718456	21	—	—
347160 2011 FB_{8}	16.6	X	225.61348	312.60508	189.60439	7.49040	0.0409963	0.23899138	2.5716659	21	10 24.3	19.9
347161 2011 FW_{8}	17.5	X	276.93525	140.35676	114.92642	3.49638	0.1423085	0.27573808	2.3377867	21	1 13.9	21.0
347162 2011 FN_{12}	18.0	X	76.41958	188.92215	17.49011	3.52957	0.1692656	0.30908442	2.1664632	21	8 5.2	20.4
347163 2011 FD_{13}	17.5	X	326.53796	182.50314	40.21975	7.47525	0.0968965	0.28246455	2.3005239	21	2 8.1	20.3
347164 2011 FZ_{17}	16.9	X	106.40084	279.94628	345.22545	8.32495	0.2882086	0.23322862	2.6138550	21	11 21.3	21.7
347165 2011 FU_{19}	17.2	X	166.38707	170.09808	117.61551	4.44169	0.1634489	0.25584562	2.4574465	21	—	—
347166 2011 FN_{24}	17.5	X	340.21557	163.41069	80.92427	3.73633	0.1785909	0.29179493	2.2512180	21	3 16.1	19.7
347167 2011 FE_{29}	17.8	X	356.66759	146.64998	100.12039	6.52530	0.2207770	0.29959655	2.2119646	21	4 17.7	19.2
347168 2011 FU_{32}	17.0	X	108.09517	99.90016	191.29625	13.60375	0.1911835	0.23691107	2.5866985	21	12 20.6	21.5
347169 2011 FJ_{33}	16.2	X	196.93288	245.72121	54.54010	6.74845	0.1821720	0.16909888	3.2387361	21	1 12.6	21.7
347170 2011 FD_{41}	16.0	X	292.72776	280.52998	326.44034	8.70645	0.0633766	0.18507229	3.0495923	21	2 15.4	20.1
347171 2011 FO_{46}	17.9	X	234.74828	67.77027	197.25114	4.61925	0.1952812	0.26551581	2.3974108	21	—	—
347172 2011 FB_{60}	17.9	X	202.94644	275.07304	29.52319	1.71099	0.1835922	0.27013210	2.3700195	21	1 7.3	21.5
347173 2011 FG_{94}	17.9	X	228.47082	277.22496	348.70940	1.83585	0.1789773	0.26892962	2.3770791	21	—	—
347174 2011 FO_{134}	17.3	X	137.58361	6.60751	351.53317	6.98040	0.1257085	0.27575805	2.3376739	21	—	—
347175 2011 FB_{143}	17.7	X	244.32805	196.85273	67.43004	2.38167	0.1649175	0.27109866	2.3643829	21	—	—
347176 2011 FT_{147}	16.9	X	241.50048	223.36858	44.36447	7.46310	0.1054879	0.27596973	2.3364783	21	—	—
347177 2011 FE_{149}	17.2	X	308.51193	223.33307	81.72861	9.37888	0.2142060	0.29411036	2.2393871	21	4 19.9	19.9
347178 2011 FA_{150}	16.2	X	86.47353	163.66354	72.90587	10.16860	0.1003181	0.22319451	2.6916197	21	9 18.1	20.1
347179 2011 FJ_{150}	17.7	X	6.03836	176.17119	86.66589	6.29162	0.1439240	0.30245457	2.1980081	21	6 13.2	19.2
347180 2011 FW_{154}	17.5	X	244.70608	161.30816	79.06148	23.12005	0.0383069	0.36931953	1.9239829	21	—	—
347181 2011 GD_{11}	17.1	X	36.42358	212.45473	220.99801	6.31055	0.0955719	0.26801572	2.3824797	21	—	—
347182 2011 GM_{15}	18.1	X	88.30492	257.89672	201.52143	21.17135	0.0743898	0.38446959	1.8731018	21	1 26.6	20.2
347183 2011 GH_{31}	18.3	X	49.35080	250.49293	201.82424	21.49356	0.0965101	0.37064675	1.9193871	21	—	—
347184 2011 GG_{42}	17.2	X	335.72701	344.10864	271.61298	5.08043	0.1414156	0.29415765	2.2391471	21	3 25.8	19.7
347185 2011 GA_{45}	17.6	X	228.35004	232.26279	41.55733	3.10750	0.1602492	0.27076861	2.3663038	21	—	—
347186 2011 GW_{48}	16.2	X	288.88623	27.83799	204.84877	8.72236	0.0946040	0.17979965	3.1089244	21	1 19.7	20.9
347187 2011 GK_{49}	18.0	X	292.93516	323.07178	324.52367	0.76752	0.2065105	0.28771677	2.2724409	21	3 4.4	21.2
347188 2011 GL_{55}	17.5	X	312.87741	255.86467	93.02815	4.04835	0.1652632	0.30928900	2.1655077	21	7 10.2	19.2
347189 2011 GM_{57}	15.7	X	75.70417	129.06079	59.57792	9.50669	0.0655815	0.20906956	2.8115265	21	6 19.4	19.4
347190 2011 GX_{59}	16.8	X	244.05910	193.44283	87.02604	7.12432	0.1078296	0.27259999	2.3556937	21	1 15.4	20.3
347191 2011 GP_{70}	17.7	X	1.56302	107.38418	109.87411	3.53516	0.1165258	0.29004126	2.2602832	21	3 23.8	19.7
347192 2011 GU_{73}	18.0	X	321.73350	200.69852	39.31734	2.62469	0.0948164	0.28557055	2.2838125	21	2 22.9	20.7
347193 2011 GZ_{81}	15.5	X	192.92831	81.07856	265.26690	8.48650	0.0961262	0.18119851	3.0929030	21	2 22.5	20.5
347194 2011 HK_{6}	17.2	X	312.90673	206.42491	74.13854	7.68294	0.1623459	0.29124758	2.2540377	21	3 30.8	19.9
347195 2011 HW_{6}	17.5	X	319.68917	90.92304	74.51423	23.23549	0.0547189	0.36180855	1.9505189	21	—	—
347196 2011 HV_{7}	17.6	X	344.02271	57.78227	76.14158	23.34328	0.0656937	0.36084517	1.9539890	21	—	—
347197 2011 HV_{10}	16.7	X	107.32296	302.63407	40.05453	8.92495	0.1692356	0.25686328	2.4509514	21	—	—
347198 2011 HZ_{16}	17.4	X	267.05053	278.08345	41.72386	12.52626	0.1201617	0.29019259	2.2594974	21	4 1.9	20.5
347199 2011 HG_{18}	17.7	X	202.61619	91.00193	200.73958	3.73318	0.1452527	0.26678109	2.3898246	21	—	—
347200 2011 HX_{18}	16.4	X	75.80616	225.03748	90.33511	12.94730	0.1781832	0.23281381	2.6169588	21	12 18.9	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
347201 2011 HN_{19}	17.2	X	283.75481	186.10829	77.83679	4.93373	0.1908122	0.27643492	2.3338563	21	1 28.3	20.6
347202 2011 HD_{21}	15.7	X	251.68639	241.72138	32.43350	26.05265	0.2510743	0.17304029	3.1893675	21	1 30.5	21.6
347203 2011 HT_{26}	16.4	X	96.60235	167.43560	157.82640	18.54119	0.1576413	0.23922102	2.5700199	21	—	—
347204 2011 HB_{28}	17.9	X	311.26899	180.16055	54.79623	3.38685	0.1610604	0.28094136	2.3088316	21	1 23.6	21.0
347205 2011 HC_{28}	17.6	X	32.73990	172.51110	55.50533	5.12383	0.2002015	0.29943966	2.2127372	21	6 22.5	19.0
347206 2011 HD_{29}	17.8	X	347.21583	165.74379	80.81207	5.02790	0.1291744	0.29295298	2.2452814	21	4 10.1	19.8
347207 2011 HM_{30}	17.7	X	355.64432	64.63634	177.08230	2.12924	0.1342038	0.29337856	2.2431095	21	4 15.9	19.7
347208 2011 HG_{32}	16.4	X	102.93336	151.91551	149.18296	8.79268	0.2361894	0.23422422	2.6064427	21	12 29.9	21.0
347209 2011 HN_{34}	16.6	X	276.01248	15.44026	23.99823	6.05468	0.0260160	0.22237683	2.6982138	21	8 17.1	20.2
347210 2011 HT_{35}	15.9	X	321.11827	6.23933	207.35055	9.15248	0.0268441	0.18224230	3.0810820	21	2 12.1	20.4
347211 2011 HF_{36}	17.6	X	279.45407	94.84782	219.60772	6.51187	0.1693586	0.29325819	2.2437232	21	3 27.3	20.6
347212 2011 HK_{37}	16.1	X	253.79459	268.80741	90.62155	8.54685	0.0862473	0.20125954	2.8837995	21	5 17.5	20.3
347213 2011 HD_{50}	16.5	X	334.07878	134.51689	205.78371	7.79813	0.2079618	0.21240562	2.7820101	21	7 30.1	19.3
347214 2011 HX_{54}	17.3	X	289.79358	135.96064	122.57782	7.60531	0.0905108	0.27935660	2.3175552	21	2 7.2	20.2
347215 2011 HD_{60}	18.2	X	322.20367	251.50812	33.82974	3.39013	0.1738159	0.29527269	2.2335064	21	4 14.6	20.5
347216 2011 HD_{64}	17.7	X	290.37692	137.22056	113.71223	2.22564	0.1465538	0.27659629	2.3329485	21	1 22.2	21.0
347217 2011 HO_{65}	15.8	X	225.06958	244.77908	76.49084	10.68358	0.0964835	0.18400686	3.0613527	21	3 5.1	20.7
347218 2011 HR_{69}	17.9	X	337.63109	71.16263	160.11349	2.27517	0.1352001	0.28794629	2.2712332	21	2 25.9	20.0
347219 2011 HS_{71}	18.0	X	259.43857	136.91197	103.04613	3.47372	0.1354067	0.26576016	2.3959411	21	—	—
347220 2011 HQ_{72}	16.1	X	84.98200	218.35534	102.84571	14.98324	0.2435345	0.23253440	2.6190547	21	—	—
347221 2011 HV_{73}	16.4	X	3.80855	218.60842	83.65008	10.61411	0.1963672	0.20921156	2.8102541	21	8 17.5	19.3
347222 2011 HN_{76}	17.7	X	31.13678	159.14928	71.82503	6.45461	0.1331888	0.30138872	2.2031871	21	6 14.5	19.5
347223 2011 HW_{77}	16.8	X	88.11280	222.98624	79.59422	12.90812	0.1909660	0.23406535	2.6076220	21	12 16.2	20.8
347224 2011 HO_{78}	17.6	X	341.23289	165.83193	89.05882	4.97921	0.1827966	0.29094383	2.2556062	21	4 3.7	19.7
347225 2011 HP_{81}	16.5	X	148.18473	335.81915	273.60082	5.44211	0.1946376	0.23919822	2.5701832	21	12 4.7	20.7
347226 2011 HM_{82}	17.2	X	301.80187	131.68714	115.19780	5.33615	0.1888551	0.27873942	2.3209750	21	1 24.2	20.5
347227 2011 HS_{82}	17.4	X	288.51104	183.23700	47.08159	5.20013	0.1629565	0.27284466	2.3542852	21	—	—
347228 2011 HT_{86}	17.4	X	136.09048	356.26371	71.38431	7.48762	0.0808038	0.28477783	2.2880487	21	3 27.9	20.4
347229 2011 HW_{91}	18.4	X	270.57085	119.24483	156.86035	1.65874	0.1703080	0.27841502	2.3227775	21	1 30.8	21.8
347230 2011 HJ_{95}	16.0	X	252.10664	91.56267	181.55882	15.61848	0.0785963	0.17182515	3.2043866	21	1 30.2	21.0
347231 2011 JU_{7}	17.2	X	300.43075	160.34482	118.44488	7.10535	0.1078299	0.28520846	2.2857450	21	3 19.4	20.0
347232 2011 JN_{8}	17.4	X	62.16192	266.46708	233.35277	20.60419	0.0557291	0.38112477	1.8840450	21	2 9.1	19.6
347233 2011 JZ_{9}	16.8	X	228.26659	218.34029	74.75487	10.45519	0.2282122	0.26594302	2.3948427	21	1 16.1	20.9
347234 2011 JL_{10}	15.9	X	256.53392	71.94242	219.15840	25.50531	0.2402648	0.17447763	3.1718274	21	2 6.1	21.7
347235 2011 JT_{10}	16.5	X	58.61099	159.78051	140.45167	17.32113	0.2155009	0.22598503	2.6694160	21	11 20.8	20.7
347236 2011 JJ_{11}	16.8	X	215.94605	230.83333	72.29777	8.84907	0.2112267	0.26572067	2.3961784	21	1 18.6	20.8
347237 2011 JY_{11}	17.4	X	277.88665	200.17599	68.54871	6.90751	0.2057189	0.27571641	2.3379092	21	1 28.0	21.0
347238 2011 JO_{15}	16.9	X	35.14834	259.93540	235.59139	19.40861	0.0976714	0.37479235	1.9052073	21	—	—
347239 2011 JG_{17}	17.4	X	212.65725	209.22004	76.84966	3.67381	0.2104489	0.26156553	2.4214883	21	—	—
347240 2011 JS_{17}	16.6	X	103.91583	187.83519	131.16794	6.92472	0.2402662	0.23812242	2.5779185	21	—	—
347241 2011 JC_{18}	16.2	X	159.68387	267.18833	356.02354	8.40177	0.2396349	0.24196365	2.5505625	21	12 30.2	20.8
347242 2011 JD_{25}	17.6	X	353.69028	177.14987	160.76445	2.67721	0.0597321	0.31577157	2.1357678	21	9 22.5	19.6
347243 2011 JJ_{26}	16.1	X	169.20359	121.58256	213.80886	9.31047	0.0203464	0.17018076	3.2249952	21	1 15.5	21.0
347244 2011 JK_{27}	15.7	X	125.27325	80.53198	240.40143	2.60308	0.2921078	0.24195342	2.5506344	21	—	—
347245 2011 JM_{28}	17.5	X	336.55922	29.39053	222.19735	4.67638	0.1093564	0.28765904	2.2727449	21	3 29.1	19.8
347246 2011 JY_{28}	17.2	X	321.77631	124.39427	100.43089	4.89985	0.0963540	0.27784267	2.3259663	21	2 2.9	20.0
347247 2011 JJ_{29}	17.9	X	230.12242	86.13225	180.82804	2.28010	0.1511676	0.26255481	2.4154019	21	—	—
347248 2011 KX_{1}	16.0	X	291.82476	144.85824	136.06190	13.09322	0.2540729	0.18224056	3.0811016	21	3 5.1	20.7
347249 2011 KO_{2}	17.4	X	298.81850	189.27406	78.72794	4.00588	0.1389428	0.28122422	2.3072832	21	2 25.3	20.3
347250 2011 KX_{4}	17.5	X	258.82935	113.29940	208.82229	4.89211	0.1691588	0.28246404	2.3005267	21	3 17.1	20.8
347251 2011 KK_{7}	17.7	X	345.04695	149.37349	126.83660	3.39520	0.0958066	0.29660928	2.2267915	21	5 25.6	19.8
347252 2011 KD_{8}	16.5	X	354.39027	94.09888	231.05493	4.39743	0.1834016	0.21037051	2.7999234	21	8 24.0	19.2
347253 2011 KU_{8}	17.5	X	154.96159	48.97368	228.50231	6.94563	0.2443278	0.24422782	2.5347743	21	—	—
347254 2011 KZ_{8}	17.3	X	117.83918	266.61898	244.53602	5.82450	0.0506595	0.30008598	2.2095589	21	6 21.4	19.9
347255 2011 KW_{9}	16.7	X	44.96792	87.81959	208.01407	4.79249	0.1505144	0.21987201	2.7186674	21	10 12.8	20.2
347256 2011 KE_{10}	17.5	X	201.37709	70.03646	219.46132	4.34824	0.2281220	0.25943477	2.4347288	21	—	—
347257 2011 KG_{11}	17.6	X	318.63129	77.27724	195.67250	2.59636	0.2123159	0.28778318	2.2720913	21	3 15.3	20.3
347258 2011 KJ_{17}	16.4	X	273.95242	84.48453	183.30173	14.52316	0.2430349	0.17328058	3.1864183	21	1 30.1	21.8
347259 2011 KS_{17}	16.5	X	112.32837	206.72319	81.21106	7.53447	0.0204073	0.23701266	2.5859593	21	12 11.4	20.1
347260 2011 KU_{18}	16.9	X	48.35737	86.35810	213.17843	11.90663	0.1766376	0.21922156	2.7240424	21	10 26.5	20.3
347261 2011 KB_{20}	16.4	X	310.48695	254.78579	162.74014	22.35108	0.0507042	0.22860473	2.6489834	21	10 29.7	20.1
347262 2011 KB_{24}	17.6	X	231.41456	117.66167	131.37561	3.23001	0.1370939	0.26115225	2.4240423	21	—	—
347263 2011 KH_{27}	15.8	X	114.87062	213.37872	84.02585	13.61438	0.1643956	0.23706801	2.5855568	21	—	—
347264 2011 KU_{27}	16.5	X	80.00565	175.42587	130.23256	5.92469	0.2104138	0.22756106	2.6570766	21	12 13.9	20.6
347265 2011 KB_{28}	16.8	X	130.91613	49.09415	242.52048	12.12045	0.2355027	0.23843532	2.5756627	21	—	—
347266 2011 KR_{28}	17.1	X	309.47707	35.65704	219.28631	9.49161	0.1585170	0.27944384	2.3170728	21	2 12.6	20.4
347267 2011 KS_{28}	16.8	X	123.84055	241.44739	31.82086	3.96827	0.2086170	0.23452764	2.6041941	21	12 12.7	21.1
347268 2011 KZ_{29}	17.1	X	302.45244	215.67547	33.59276	5.91353	0.1286333	0.27856956	2.3219184	21	2 7.3	20.1
347269 2011 KH_{30}	15.8	X	72.38271	242.52124	85.21502	12.96363	0.1957551	0.23059754	2.6336998	21	12 31.5	19.9
347270 2011 KR_{30}	17.3	X	241.30380	276.05018	37.18756	7.39632	0.1355663	0.27524898	2.3405553	21	2 24.4	20.9
347271 2011 KQ_{31}	17.1	X	140.39245	90.64961	158.81105	4.68678	0.2602753	0.23303316	2.6153164	21	11 29.4	21.8
347272 2011 KG_{34}	17.1	X	138.37215	335.54184	258.90208	4.10029	0.1993373	0.23082441	2.6319738	21	11 7.7	21.6
347273 2011 KH_{37}	17.3	X	97.18604	197.21753	122.07872	1.52208	0.1811980	0.23687105	2.5869899	21	—	—
347274 2011 KK_{43}	17.9	X	247.88198	285.67154	91.76536	2.57063	0.0763746	0.29976565	2.2111327	21	5 28.9	20.5
347275 2011 LJ	17.6	X	50.89633	137.66644	96.41062	7.22824	0.1371874	0.30365224	2.1922247	21	7 31.9	19.7
347276 2011 LF_{3}	16.1	X	108.01768	192.38446	154.71811	13.10024	0.2266123	0.24286107	2.5442753	21	—	—
347277 2011 LN_{3}	17.6	X	284.91943	42.10483	227.91285	3.14743	0.1603275	0.27666252	2.3325761	21	2 6.8	20.9
347278 2011 LS_{5}	16.7	X	50.23835	135.52316	219.50751	11.69242	0.1689574	0.23255687	2.6188860	21	—	—
347279 2011 LC_{6}	17.5	X	348.28891	319.29764	216.03763	5.50218	0.0686587	0.27168116	2.3610021	21	1 7.7	20.3
347280 2011 LR_{6}	17.3	X	115.70882	108.96666	147.66705	4.99504	0.1790572	0.22837796	2.6507367	21	11 16.2	21.6

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
347281 2011 LU_6	17.7	X	12.33353	19.62397	181.17293	5.03756	0.0924120	0.28643587	2.2792105	21	3 18.9	19.7
347282 2011 LX_{11}	17.1	X	239.96366	224.33277	68.82531	7.29394	0.1091543	0.27074049	2.3664677	21	1 28.7	20.6
347283 2011 LH_{12}	17.7	X	255.42233	54.72800	235.95781	4.30268	0.1230299	0.27418237	2.3466214	21	2 5.6	21.1
347284 2011 LD_{18}	15.9	X	121.17223	358.78819	268.31513	12.95157	0.1092114	0.23399704	2.6081294	21	11 29.4	20.0
347285 2011 LP_{21}	15.3	X	48.91174	330.55352	123.56073	12.88572	0.0862407	0.16960851	3.2322451	21	1 18.5	19.3
347286 2011 LR_{27}	17.7	X	295.73554	73.74551	160.30963	2.82278	0.1242068	0.27349254	2.3505657	21	1 9.2	20.8
347287 2011 MG	17.5	X	310.49555	121.87506	176.30494	8.42069	0.1328538	0.28838965	2.2689048	21	4 24.9	20.1
347288 2011 MU_4	16.0	X	37.65648	77.69337	273.93831	15.63143	0.2083388	0.21353037	2.7722322	21	12 21.6	19.8
347289 2011 MV_6	15.9	X	293.24707	248.47241	118.22807	11.12253	0.0522237	0.19617247	2.9334409	21	7 20.2	19.8
347290 2011 MT_7	16.0	X	97.96813	345.69209	271.52312	8.08646	0.1114172	0.21433108	2.7653236	21	10 18.9	20.2
347291 2011 MQ_{10}	15.7	X	225.43648	263.61208	135.88708	12.92449	0.1565537	0.18123710	3.0924639	21	6 1.9	20.8
347292 2011 NB_3	16.8	X	43.15924	101.16472	258.26132	4.90001	0.0623513	0.22596376	2.6695835	21	12 19.6	20.4
347293 2011 OT_2	16.8	X	306.52783	253.24171	270.23356	8.93837	0.1357614	0.23974484	2.5662751	21	—	—
347294 2011 OF_3	15.4	X	319.94921	300.32805	311.53992	14.78260	0.1802039	0.17602010	3.1532703	21	3 6.5	19.8
347295 2011 OM_3	15.5	X	258.27990	33.48309	298.26487	15.76396	0.1014881	0.17561097	3.1581660	21	4 7.9	20.5
347296 2011 OT_5	13.3	X	149.53790	333.05364	134.24287	17.58157	0.0039586	0.08193530	5.2499520	21	6 8.4	20.4
347297 2011 OW_{19}	15.6	X	304.60410	354.46518	301.84640	8.64984	0.1080013	0.17933529	3.1142887	21	4 22.9	20.0
347298 2011 OZ_{20}	16.2	X	165.24229	36.56453	321.86892	6.23349	0.1609805	0.25291242	2.4764104	21	2 8.3	19.8
347299 2011 OA_{28}	13.5	X	297.66130	11.90927	306.67020	13.03148	0.0656179	0.08273496	5.2160690	21	5 25.6	20.5
347300 2011 OQ_{34}	16.8	X	40.07561	353.10128	83.34880	5.04946	0.0842773	0.24395037	2.5366958	21	—	—
347301 2011 OR_{35}	16.6	X	18.40726	266.09178	78.96103	6.49008	0.0815278	0.21458766	2.7631188	21	10 30.9	20.1
347302 2011 OH_{51}	16.3	X	289.08696	239.42554	72.20515	2.31890	0.1523972	0.17788381	3.1312070	21	4 20.6	20.7
347303 2011 PS_3	15.6	X	206.66047	151.69356	292.81480	11.94327	0.0405438	0.18696534	3.0289724	21	7 13.2	20.0
347304 2011 PK_7	15.4	X	24.25174	252.89937	333.79832	9.99334	0.0329756	0.17504646	3.1649523	21	5 23.9	19.9
347305 2011 QT_3	16.0	X	263.40315	245.13818	260.66934	13.68089	0.1044111	0.22380836	2.6866959	21	12 4.3	19.3
347306 2011 QN_4	16.7	X	175.53482	67.95214	194.38033	6.83905	0.2111306	0.23843761	2.5756462	21	—	—
347307 2011 QW_5	15.8	X	351.77595	27.63261	240.38010	10.34060	0.0443580	0.18293547	3.0732939	21	6 3.5	19.9
347308 2011 QN_6	15.5	X	180.27853	183.27005	253.40775	9.84444	0.0796495	0.18073791	3.0981555	21	6 2.5	20.2
347309 2011 QQ_{10}	15.7	X	216.48271	130.47568	323.45753	8.01362	0.0405034	0.18870989	3.0102758	21	8 6.6	19.9
347310 2011 QF_{17}	16.1	X	269.44467	160.55721	174.30349	5.39303	0.1439892	0.17366068	3.1817671	21	4 28.8	20.8
347311 2011 QF_{28}	16.0	X	316.38415	342.57748	330.23972	5.50873	0.1264388	0.18336559	3.0684860	21	5 31.4	20.0
347312 2011 QL_{33}	16.0	X	303.69565	184.55147	166.37396	12.06399	0.1723944	0.18772318	3.0208149	21	6 26.0	20.1
347313 2011 QB_{46}	14.0	X	322.47304	70.16419	244.73496	3.15522	0.0922083	0.08387130	5.1688484	21	6 20.3	20.5
347314 2011 QE_{46}	14.2	X	308.26080	105.13256	221.49696	8.27142	0.0951120	0.08210423	5.2427487	21	6 14.9	21.0
347315 2011 QK_{46}	13.7	X	297.63429	189.39068	155.61958	11.03259	0.0607202	0.08491011	5.1266040	21	6 27.4	20.5
347316 2011 QJ_{63}	16.2	X	189.08089	268.17463	194.02898	11.87346	0.0925103	0.18491124	3.0513628	21	7 11.6	21.1
347317 2011 QX_{75}	16.3	X	317.69157	206.82207	152.95850	2.41482	0.1146627	0.19521806	2.9429940	21	8 7.8	19.8
347318 2011 QV_{76}	14.1	X	327.93443	349.76149	334.82941	9.15041	0.0464206	0.08257188	5.2229346	21	7 14.3	20.9
347319 2011 QB_{96}	16.0	X	165.83251	338.96519	26.14822	22.77865	0.1087706	0.25519426	2.4616263	21	2 24.9	20.0
347320 2011 RS_{15}	16.0	X	135.41086	300.40680	229.03960	8.44766	0.0589466	0.19076475	2.9886195	21	8 4.6	20.5
347321 2011 SH_6	16.1	X	214.88179	152.41512	256.38655	7.88783	0.0750343	0.17722270	3.1389892	21	6 5.2	20.6
347322 2011 SB_{27}	15.5	X	321.19808	58.55486	353.84695	27.16884	0.1298572	0.20406718	2.8572875	21	10 12.4	19.2
347323 2011 SM_{39}	15.6	X	206.01737	125.12293	216.92849	9.68246	0.0986412	0.15843631	3.3824618	21	3 5.6	21.1
347324 2011 SE_{72}	16.0	X	86.53068	279.30889	278.49875	2.04518	0.0497755	0.18085318	3.0968389	21	7 14.1	20.4
347325 2011 SM_{117}	15.5	X	348.41992	311.35149	353.66460	10.79955	0.0611499	0.17965038	3.1106463	21	7 20.1	19.7
347326 2011 SZ_{178}	15.1	X	18.35160	45.48761	207.83544	16.30358	0.0891963	0.17393024	3.1784788	21	6 23.3	19.4
347327 2011 SV_{196}	16.1	X	340.56330	269.82841	337.80162	4.38439	0.0671842	0.16778870	3.2555740	21	4 19.7	20.4
347328 2011 SC_{218}	16.3	X	318.08548	280.78372	114.58869	11.74278	0.1187533	0.19117196	2.9843741	21	10 1.3	20.1
347329 2011 SZ_{263}	15.9	X	47.45335	212.45351	351.37551	2.21107	0.0327207	0.17278019	3.1925675	21	5 28.3	20.2
347330 2011 SV_{266}	13.8	X	334.48000	73.97342	228.41128	2.52333	0.0735733	0.08191671	5.2507463	21	6 23.3	20.4
347331 2011 UE_{121}	15.7	X	205.53520	103.26966	20.37860	9.65371	0.1014426	0.17917471	3.1161492	21	8 29.7	20.6
347332 2011 UK_{295}	15.4	X	26.11239	15.24779	226.28268	9.06132	0.0542904	0.17656547	3.1467738	21	6 18.4	19.6
347333 2012 BV_{19}	15.4	X	274.69071	288.43026	160.94957	26.40449	0.2006343	0.17720798	3.1391630	21	9 18.7	19.7
347334 2012 MV_5	15.5	X	269.87429	314.48054	286.37336	12.52617	0.1300650	0.17887794	3.1195948	21	1 7.6	20.1
347335 2012 NF_1	16.5	X	178.14496	183.27440	157.28478	7.12871	0.1810459	0.17375053	3.1806701	21	2 9.6	21.8
347336 2012 NN_1	15.5	X	186.04452	56.79406	289.80350	8.38338	0.0879090	0.18013754	3.1050354	21	2 17.2	20.3
347337 2012 OR_5	17.4	X	93.93584	164.90524	174.59233	22.58467	0.0740162	0.36859740	1.9264949	21	—	—
347338 2012 OC_6	15.8	X	354.56598	212.38170	123.27132	14.03338	0.2947754	0.22293786	2.6936851	21	9 29.5	17.9
347339 2012 PN_{12}	16.4	X	9.55097	172.78834	179.55357	10.23264	0.1534165	0.22754285	2.6572184	21	11 7.3	19.4
347340 2012 PM_{16}	17.1	X	216.42263	318.50873	294.31733	5.75744	0.1065442	0.26738927	2.3861994	21	—	—
347341 2012 PF_{18}	16.7	X	63.99716	328.50982	63.39571	2.15823	0.2520024	0.25206557	2.4819538	21	—	—
347342 2012 PC_{31}	17.2	X	50.63758	217.18407	176.03421	5.11233	0.2178136	0.25109115	2.4883709	21	—	—
347343 2012 PK_{31}	16.6	X	115.23835	226.89257	97.98139	5.77517	0.1890771	0.25496243	2.4631182	21	—	—
347344 2012 PW_{36}	16.3	X	322.95955	126.85816	175.59826	7.60389	0.1380312	0.20392396	2.8586252	21	5 27.4	19.8
347345 2012 QQ_9	17.6	X	106.51271	61.17986	290.85815	0.63100	0.1994767	0.25703348	2.4498693	21	—	—
347346 2012 QD_{13}	15.8	X	204.07583	0.81785	359.12501	9.97009	0.1003519	0.17547660	3.1597780	21	3 25.3	20.8
347347 2012 QV_{16}	17.2	X	147.09849	121.62470	181.65830	6.70496	0.1208954	0.25859494	2.4399974	21	—	—
347348 2012 QM_{20}	16.0	X	284.34414	167.72423	192.51564	15.11254	0.1489244	0.20337147	2.8638001	21	6 14.5	20.3
347349 2012 QP_{20}	17.9	X	260.61726	39.44356	308.44988	1.32411	0.2078966	0.30568262	2.1825065	21	4 16.8	20.9
347350 2012 QK_{21}	16.6	X	89.18107	204.84354	170.20295	6.31559	0.2366726	0.25717577	2.4489656	21	—	—
347351 2012 QW_{22}	16.3	X	0.04315	99.16305	190.78374	6.94477	0.1838326	0.21032538	2.8003238	21	7 14.4	19.2
347352 2012 QX_{22}	15.9	X	217.96240	153.80488	183.78670	8.02780	0.0748202	0.17630679	3.1498511	21	3 13.2	20.7
347353 2012 QX_{24}	16.8	X	162.44178	114.76107	185.89520	5.96609	0.1068972	0.26072881	2.4266662	21	—	—
347354 2012 QU_{29}	17.7	X	86.95148	177.30111	192.08655	0.66272	0.1941012	0.25518500	2.4616858	21	—	—
347355 2012 QV_{33}	17.1	X	89.78495	181.11328	202.96322	5.86318	0.1755724	0.25776269	2.4452467	21	—	—
347356 2012 QK_{35}	17.3	X	312.51844	83.13012	319.36215	7.36802	0.3169823	0.21621086	2.7492720	21	8 30.1	19.8
347357 2012 QQ_{36}	17.3	X	130.49608	169.76314	143.86068	2.02909	0.1860466	0.25701413	2.4499923	21	—	—
347358 2012 QR_{40}	15.0	X	178.42045	24.80540	341.11788	24.26785	0.2616743	0.17279498	3.1923853	21	3 10.3	20.6
347359 2012 QF_{41}	17.2	X	87.01684	224.83479	150.05341	1.91499	0.1977154	0.25799511	2.4437779	21	—	—
347360 2012 QU_{41}	16.3	X	325.61867	224.33574	147.93134	11.70806	0.1572392	0.22013979	2.7164623	21	9 8.7	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
347361 2012 QV_{41}	17.8	X	89.63765	246.30685	103.54442	0.13358	0.2769708	0.25258346	2.4785600	21	—	—
347362 2012 QB_{42}	15.9	X	296.91247	132.37633	177.87248	18.03763	0.1989598	0.19881062	2.9074326	21	4 21.9	20.1
347363 2012 QR_{51}	16.8	X	24.71297	330.15624	17.88977	14.33897	0.2717360	0.23072166	2.6327552	21	12 10.6	20.2
347364 2012 RQ_{1}	17.6	X	201.73873	202.21368	180.37492	3.87960	0.1830944	0.29469479	2.2364254	21	4 10.6	21.0
347365 2012 RK_{3}	17.1	X	232.71213	139.80022	135.34581	6.46063	0.1851822	0.27715496	2.3298123	21	—	—
347366 2012 RL_{4}	17.9	X	144.45315	149.13103	233.54415	1.83826	0.2457468	0.27257444	2.3558409	21	2 22.8	21.5
347367 2012 RS_{4}	18.4	X	128.66177	22.33009	40.11363	2.75509	0.1999982	0.27864374	2.3215062	21	3 25.3	21.6
347368 2012 RD_{6}	15.9	X	210.98955	337.71495	13.94545	10.82451	0.2229981	0.17496712	3.1659090	21	3 21.9	21.3
347369 2012 RK_{6}	17.6	X	142.75996	356.81413	2.53051	2.29233	0.2022032	0.27000677	2.3707529	21	1 19.4	20.8
347370 2012 RU_{6}	17.4	X	100.98657	182.89349	191.49766	2.30717	0.2184047	0.25786892	2.4445751	21	—	—
347371 2012 RL_{7}	17.8	X	168.14869	336.62809	353.18451	2.50823	0.1850249	0.27124760	2.3635173	21	1 6.3	21.2
347372 2012 RQ_{8}	15.6	X	222.71874	359.98328	335.30611	9.73464	0.1392766	0.17775033	3.1327743	21	3 11.5	20.6
347373 2012 RZ_{8}	15.7	X	23.21179	336.76191	46.33668	13.89231	0.1749044	0.23068485	2.6330352	21	—	—
347374 2012 RM_{10}	16.5	X	235.15915	77.10589	325.66764	1.14564	0.0486977	0.20070302	2.8891279	21	6 22.7	20.7
347375 2012 RL_{12}	17.6	X	285.17560	309.01811	10.62449	7.21428	0.2835974	0.30759642	2.1734444	21	3 27.7	20.5
347376 2012 RU_{12}	16.8	X	79.08748	131.58143	261.64738	6.71916	0.1313242	0.25534332	2.4606682	21	—	—
347377 2012 RH_{14}	17.3	X	225.49362	49.60246	336.65117	5.69986	0.1414914	0.29808947	2.2194138	21	5 6.3	20.5
347378 2012 RM_{14}	15.7	X	226.85036	349.84951	333.08645	8.05819	0.1997804	0.17398996	3.1777515	21	2 28.1	21.0
347379 2012 RV_{17}	17.3	X	295.55691	83.48641	198.16212	5.01491	0.0921174	0.29355856	2.2421924	21	3 13.5	20.1
347380 2012 RX_{17}	16.6	X	331.18765	166.30701	195.24774	7.98956	0.1813465	0.21408020	2.7674836	21	8 28.3	19.4
347381 2012 RG_{19}	17.0	X	147.61544	10.22653	308.67006	1.45893	0.2054186	0.25990581	2.4317862	21	—	—
347382 2012 RS_{19}	17.9	X	221.98758	310.66366	24.28616	5.77123	0.1837824	0.28926637	2.2643180	21	3 1.4	21.5
347383 2012 RB_{21}	16.7	X	327.56702	191.43152	197.41225	4.89941	0.1685884	0.22045376	2.7138825	21	10 4.6	19.2
347384 2012 RB_{24}	16.4	X	356.93078	263.02021	87.52139	4.84784	0.1106446	0.21559229	2.7545283	21	10 7.6	19.5
347385 2012 RO_{24}	15.3	X	122.91963	72.56688	24.32274	10.02979	0.0264582	0.17440557	3.1727011	21	4 18.9	19.7
347386 2012 RO_{25}	17.0	X	271.16365	80.06955	313.25926	4.91033	0.0927278	0.20136946	2.8827500	21	7 19.9	20.9
347387 2012 RL_{29}	17.2	X	142.37032	182.10779	128.19759	1.28554	0.2174088	0.26044601	2.4284225	21	—	—
347388 2012 RF_{34}	17.4	X	150.07348	228.94101	204.70582	2.31395	0.1400610	0.28969647	2.2620763	21	4 24.5	20.6
347389 2012 RH_{34}	16.6	X	354.03765	144.53916	218.76729	5.40767	0.0597691	0.22023951	2.7156423	21	10 14.7	19.8
347390 2012 RV_{34}	16.8	X	12.71904	327.86085	353.44271	4.39231	0.0748501	0.21353955	2.7721528	21	9 17.3	20.1
347391 2012 RL_{35}	17.4	X	113.40129	126.08354	242.41869	1.60578	0.0606317	0.25907743	2.4369671	21	—	—
347392 2012 RP_{35}	16.4	X	216.49058	48.87389	307.31171	1.60370	0.1038901	0.17571346	3.1569379	21	4 1.7	21.3
347393 2012 RR_{41}	16.7	X	223.63346	20.58588	339.24453	3.57706	0.1703072	0.18053455	3.1004816	21	4 9.0	21.7
347394 2012 SK_{1}	17.4	X	92.97545	229.47512	137.30558	2.18086	0.2063771	0.25646145	2.4535108	21	—	—
347395 2012 SQ_{4}	17.3	X	168.04359	167.35956	146.41647	4.48807	0.2503085	0.26592163	2.3949711	21	—	—
347396 2012 SZ_{5}	17.3	X	129.99292	258.84364	184.99023	7.00009	0.0590720	0.28612167	2.2808789	21	4 4.3	20.1
347397 2012 SD_{6}	16.3	X	215.68183	165.43879	197.46949	1.03327	0.1920677	0.17835386	3.1257030	21	4 6.5	21.3
347398 2012 SW_{8}	16.9	X	339.09212	231.76143	187.54491	9.46952	0.1664636	0.23154201	2.6265329	21	12 15.5	19.6
347399 2012 SR_{11}	16.5	X	348.07968	23.83325	353.36732	5.54145	0.0512734	0.21975473	2.7196346	21	10 22.8	20.0
347400 2012 SW_{11}	17.8	X	161.78849	357.69840	1.01412	2.23015	0.2052180	0.27346193	2.3507411	21	2 6.8	21.2
347401 2012 SB_{13}	15.7	X	192.00728	349.90206	30.45569	4.27376	0.0469845	0.17544817	3.1601194	21	4 7.5	20.2
347402 2012 SG_{15}	15.6	X	273.13395	87.22129	233.02195	9.68919	0.0248872	0.17972945	3.1097338	21	4 28.1	19.9
347403 2012 SN_{17}	17.2	X	328.32174	108.66264	267.57585	1.14221	0.0906690	0.21662014	2.7458080	21	9 21.1	20.5
347404 2012 SU_{20}	16.2	X	356.30413	283.70733	37.19723	15.35011	0.3095382	0.21425693	2.7659615	21	9 11.9	18.4
347405 2012 SM_{22}	16.7	X	11.40414	145.33385	202.06567	12.18590	0.1325874	0.22544530	2.6736749	21	10 30.1	19.7
347406 2012 SX_{27}	17.6	X	184.68342	91.84335	189.98136	6.50422	0.1958351	0.26172395	2.4205111	21	—	—
347407 2012 SF_{30}	13.7	X	345.95295	285.91408	349.78855	6.79684	0.0739730	0.08376004	5.1734246	21	6 6.7	20.2
347408 2012 SJ_{31}	17.6	X	149.56378	65.01150	261.10028	0.23384	0.2037482	0.26316989	2.4116369	21	—	—
347409 2012 SL_{31}	16.3	X	229.93551	214.57026	161.87654	4.76408	0.1627922	0.18365630	3.0652471	21	5 7.3	21.2
347410 2012 SO_{31}	17.1	X	8.43298	271.22166	148.29456	3.89914	0.1192710	0.23680352	2.5874817	21	—	—
347411 2012 SV_{32}	18.0	X	167.93830	308.35236	161.75858	3.09583	0.1154703	0.30556122	2.1830846	21	7 1.3	21.0
347412 2012 SJ_{34}	16.4	X	253.77629	164.24912	186.86831	9.98542	0.1137498	0.18919612	3.0051159	21	5 4.5	21.0
347413 2012 SA_{37}	14.9	X	183.24032	214.16848	355.42975	2.35102	0.1002504	0.12419870	3.9785488	21	11 6.9	20.9
347414 2012 SS_{38}	15.2	X	127.54209	243.70953	186.29089	13.67733	0.0951211	0.17017884	3.2250195	21	4 1.2	19.9
347415 2012 SU_{40}	16.4	X	61.38574	6.51273	205.04184	5.22347	0.0259988	0.19713524	2.9238822	21	6 24.9	20.5
347416 2012 SV_{40}	16.1	X	204.65754	75.54954	268.28695	2.07016	0.0349053	0.17086493	3.2163805	21	3 7.6	20.7
347417 2012 SR_{44}	16.1	X	271.16305	216.14309	201.15079	11.84284	0.1747647	0.20878776	2.8140557	21	8 4.5	20.2
347418 2012 ST_{44}	16.0	X	208.05607	158.96678	200.82842	11.96579	0.1435091	0.17689519	3.1428624	21	3 27.6	21.0
347419 2012 SL_{48}	15.9	X	90.98607	148.93978	14.12367	10.13620	0.1125828	0.18841134	3.0134549	21	6 12.9	20.3
347420 2012 SD_{49}	16.4	X	304.75785	200.71758	152.60866	2.60852	0.0833836	0.20414486	2.8565626	21	7 14.0	20.2
347421 2012 ST_{57}	17.6	X	212.83803	350.51123	22.92511	6.26922	0.1951820	0.29009950	2.2599807	21	4 8.7	21.1
347422 2012 SW_{58}	15.7	X	216.29122	73.62459	312.61996	10.61762	0.1913663	0.18075556	3.0979538	21	4 30.0	21.1
347423 2012 SV_{60}	15.8	X	279.27258	111.90134	189.22040	12.16610	0.0430269	0.18218866	3.0816867	21	4 10.6	20.1
347424 2012 TX	16.6	X	291.61967	66.78790	338.08540	3.64673	0.0642317	0.21235191	2.7824792	21	9 6.1	20.1
347425 2012 TX_{2}	16.5	X	316.86838	195.47663	202.73320	4.03666	0.0820012	0.21553454	2.7550203	21	10 3.4	19.6
347426 2012 TZ_{2}	17.5	X	280.90528	163.25016	191.28642	5.91198	0.2047043	0.30838153	2.1697539	21	5 20.9	20.2
347427 2012 TE_{11}	16.9	X	179.96592	290.77021	22.19746	5.00243	0.2438211	0.26630091	2.3926965	21	1 2.1	20.8
347428 2012 TV_{13}	16.8	X	93.18306	54.13993	354.99132	6.35152	0.1222454	0.26143359	2.4223030	21	1 8.5	19.5
347429 2012 TS_{19}	17.2	X	122.43448	197.68695	211.74537	6.51291	0.1127479	0.27148892	2.3621165	21	2 13.1	20.3
347430 2012 TN_{21}	17.2	X	92.74716	327.04827	351.04776	3.02842	0.0784400	0.23741901	2.5830078	21	12 31.3	21.0
347431 2012 TZ_{21}	16.0	X	238.90725	344.69648	21.29969	11.04802	0.0208377	0.18298421	3.0727482	21	5 11.9	20.5
347432 2012 TP_{22}	15.6	X	104.31992	302.59529	202.27178	11.98846	0.1265901	0.17947733	3.1126454	21	6 9.6	20.3
347433 2012 TL_{33}	16.8	X	352.80048	197.47581	195.58054	4.22647	0.1177168	0.22607345	2.6687200	21	11 28.6	19.8
347434 2012 TC_{37}	16.8	X	22.31313	100.65944	200.45729	3.71770	0.0541309	0.21533834	2.7566934	21	9 1.3	20.4
347435 2012 TS_{88}	16.2	X	196.08076	201.98566	201.06024	5.84773	0.0600825	0.17962988	3.1108829	21	5 9.7	20.8
347436 2012 TR_{109}	15.5	X	137.19536	210.52202	255.13671	9.14599	0.0438687	0.18076414	3.0978558	21	5 18.7	19.9
347437 2012 TP_{113}	16.5	X	206.87134	105.65877	285.57011	6.68306	0.0668047	0.18068108	3.0988051	21	5 3.8	21.3
347438 2012 TA_{156}	17.3	X	91.14639	115.70129	155.42433	0.92717	0.1719375	0.22756809	2.6570220	21	11 9.2	21.4
347439 2012 TK_{165}	16.4	X	145.12096	213.34547	15.14637	12.98770	0.1176197	0.22725229	2.6594829	21	11 2.5	20.6
347440 2012 TG_{173}	17.2	X	140.96426	116.04113	285.42732	2.15725	0.0043012	0.27697913	2.3307982	21	2 11.5	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
347441 2012 TK_{174}	16.8	X	4.77387	98.42007	253.57559	3.68885	0.1275670	0.22110961	2.7085132	21	10 21.4	19.9
347442 2012 TZ_{188}	16.9	X	0.14093	270.87429	70.24373	1.52249	0.0837373	0.21328630	2.7743468	21	9 26.0	20.1
347443 2012 TE_{189}	16.4	X	241.29581	163.89837	193.16701	4.78418	0.1458589	0.18202287	3.0835577	21	4 25.2	21.3
347444 2012 TJ_{189}	17.2	X	44.10145	296.73076	39.33060	3.86447	0.1039682	0.22680668	2.6629652	21	11 26.9	20.7
347445 2012 TU_{216}	16.8	X	303.63061	271.09423	177.40559	9.13305	0.2791186	0.22048797	2.7136018	21	10 30.9	19.3
347446 2012 TF_{231}	12.6	X	297.27254	16.21633	303.50533	18.67523	0.0431068	0.08147978	5.2695010	21	5 29.9	19.7
347447 2012 TC_{232}	16.9	X	91.67518	97.35028	293.30370	5.78472	0.1514143	0.26062573	2.4273059	21	—	—
347448 2012 TF_{232}	17.3	X	154.02938	224.48065	122.79660	3.66445	0.1955329	0.26626513	2.3929108	21	1 15.4	20.8
347449 2012 TW_{236}	12.3	X	118.14677	326.62372	179.23809	11.99129	0.5686299	0.05358409	6.9680642	21	7 25.6	22.2
347450 2012 TH_{241}	16.8	X	273.80353	73.20572	36.57597	3.00567	0.1375015	0.21699319	2.7426600	21	10 26.9	20.2
347451 2012 TW_{241}	16.5	X	358.33160	224.58239	80.43752	3.19433	0.0450630	0.20284208	2.8687806	21	8 2.5	20.2
347452 2012 TL_{242}	14.1	X	340.27516	229.36147	65.78764	4.02397	0.1517199	0.08336662	5.1896879	21	6 17.6	20.2
347453 2012 TS_{242}	15.9	X	119.06343	299.31397	192.44270	11.91974	0.0742277	0.18055560	3.1002406	21	6 4.2	20.6
347454 2012 TT_{242}	16.2	X	310.03570	242.38757	73.51811	3.84450	0.1331461	0.19277027	2.9678550	21	5 25.6	20.1
347455 2012 TE_{258}	13.2	X	352.10183	275.12281	1.42430	17.82746	0.0692827	0.08295228	5.2069552	21	6 15.8	20.0
347456 2012 TE_{259}	16.2	X	1.21380	197.27322	109.63864	3.20610	0.0548374	0.20398684	2.8580377	21	8 9.4	19.8
347457 2012 TU_{262}	16.9	X	238.14897	207.42944	146.12186	1.26589	0.1785312	0.18179758	3.0861047	21	4 15.5	22.0
347458 2012 TV_{262}	15.8	X	126.17430	304.56206	194.66549	16.51149	0.1199710	0.18488776	3.0516211	21	6 24.7	20.8
347459 2012 TP_{298}	18.0	X	229.21427	224.61308	66.25709	2.11480	0.1735421	0.27388346	2.3483285	21	1 12.6	21.8
347460 2012 TA_{301}	17.7	X	262.24241	254.39800	113.60893	4.20711	0.1299287	0.30607910	2.1806214	21	5 27.2	20.4
347461 2012 TW_{302}	16.7	X	349.81987	226.17556	171.05335	6.07953	0.0879466	0.22676569	2.6632861	21	11 27.8	19.9
347462 2012 TY_{308}	17.3	X	102.98785	274.98326	30.44944	13.24530	0.1673983	0.24176640	2.5519496	21	—	—
347463 2012 TR_{309}	17.4	X	167.71525	5.17333	304.15538	1.46570	0.2382082	0.26315051	2.4117553	21	—	—
347464 2012 TF_{312}	15.6	X	28.27347	304.65764	55.02538	12.78185	0.3118873	0.22928490	2.6437420	21	—	—
347465 2012 TV_{312}	16.5	X	92.67079	162.63470	135.15564	3.74242	0.1895430	0.23338420	2.6126932	21	12 14.9	20.6
347466 2012 TZ_{313}	17.8	X	209.35752	312.42275	65.80645	3.52936	0.1622736	0.28782224	2.2718857	21	4 13.3	21.3
347467 2012 TD_{314}	16.8	X	24.24644	210.71260	134.45463	3.56995	0.1182189	0.22623746	2.6674300	21	11 14.8	20.0
347468 2012 TU_{314}	16.1	X	52.55485	7.06850	2.86279	3.98537	0.2056203	0.23531256	2.5983998	21	—	—
347469 2012 TG_{315}	15.2	X	151.77505	284.06650	167.25770	24.27686	0.1395245	0.17591602	3.1545139	21	5 28.9	20.6
347470 2012 TS_{316}	16.7	X	111.77650	272.53475	86.06723	8.31615	0.1301660	0.25559861	2.4590294	21	—	—
347471 2012 UW_{1}	16.7	X	21.53283	210.76869	137.98270	5.11717	0.1168348	0.22466194	2.6798863	21	11 15.5	19.9
347472 2012 UD_{3}	17.5	X	130.09775	278.25154	124.91990	3.45557	0.1851304	0.27136342	2.3628447	21	2 28.6	20.6
347473 2012 UZ_{3}	16.1	X	35.32002	156.54587	94.77668	2.97319	0.0656055	0.19764991	2.9188042	21	7 16.6	19.7
347474 2012 UG_{10}	16.8	X	12.82584	163.46875	171.99063	2.54979	0.0725283	0.21691521	2.7433173	21	10 7.4	20.1
347475 2012 UQ_{14}	15.9	X	341.99007	49.14184	185.27366	5.46638	0.0773306	0.17478457	3.1681130	21	4 5.4	20.1
347476 2012 UV_{29}	16.8	X	36.26896	199.82807	164.16645	2.89913	0.2617385	0.23281359	2.6169605	21	—	—
347477 2012 UZ_{131}	17.9	X	170.14111	6.93302	44.27098	3.95305	0.1585355	0.28925586	2.2643728	21	4 17.6	21.1
347478 2012 UX_{133}	16.8	X	71.87321	232.71114	268.36899	10.07355	0.0407287	0.28169248	2.3047255	21	3 23.6	19.8
347479 2012 UR_{134}	16.3	X	149.43724	353.00119	270.96765	11.19104	0.1514606	0.23619651	2.5919128	21	12 23.3	20.3
347480 3291 T–2	17.4	X	216.95885	187.05798	167.47500	8.90256	0.2527936	0.28038643	2.3118770	21	3 20.2	21.3
347481 1174 T–3	16.0	X	268.51359	116.28565	271.27713	6.62381	0.2309520	0.19770639	2.9182483	21	6 19.4	20.3
347482 1993 FQ_{19}	15.8	X	150.45704	23.21753	156.90437	11.12101	0.1517556	0.18751002	3.0231038	21	9 11.1	20.7
347483 1993 TZ_{10}	17.8	X	151.41412	75.70236	313.06854	1.49436	0.2212914	0.26406611	2.4061772	21	3 7.9	21.3
347484 1994 SW_{5}	15.8	X	204.38940	33.08598	18.37523	6.48995	0.1598328	0.17156555	3.2076182	21	5 24.3	21.1
347485 1994 UT_{5}	17.1	X	354.46916	30.32357	18.29446	7.26105	0.1074886	0.22241528	2.6979028	21	12 19.3	20.4
347486 1995 HD_{3}	17.3	X	300.99334	139.47933	79.26328	3.64714	0.1335798	0.25733703	2.4479424	21	—	—
347487 1995 MC_{7}	16.6	X	202.87527	10.49251	277.49801	13.21482	0.0163563	0.24717078	2.5146138	21	—	—
347488 1995 OO_{8}	17.4	X	30.07099	58.02408	357.13839	4.14318	0.3196964	0.23529868	2.5985020	21	—	—
347489 1995 TS_{3}	16.8	X	116.23104	75.40803	256.26547	0.64959	0.1917297	0.23864099	2.5741826	21	—	—
347490 1995 TG_{9}	16.7	X	77.44673	181.25981	166.15203	8.39835	0.1679083	0.23747629	2.5825925	21	—	—
347491 1995 WV_{9}	17.1	X	74.87503	357.87201	37.98814	5.06167	0.1988974	0.23802752	2.5786037	21	—	—
347492 1996 AT_{13}	17.9	X	176.95366	12.97466	82.81552	4.48588	0.0939054	0.28636604	2.2795810	21	6 21.5	21.1
347493 1996 VP_{9}	16.7	X	116.92314	284.43866	96.86672	8.04782	0.1966496	0.25052506	2.4921180	21	1 19.8	19.8
347494 1996 VW_{27}	16.8	X	167.21534	34.11972	113.98671	1.41493	0.1127964	0.18681035	3.0306475	21	8 17.6	21.5
347495 1998 QP_{2}	16.8	X	66.39526	20.70107	320.32563	5.09778	0.0951400	0.22580867	2.6708058	21	12 29.8	20.6
347496 1998 QG_{58}	16.4	X	28.77894	35.83210	351.95446	10.96570	0.0812252	0.22292823	2.6937627	21	—	—
347497 1998 QR_{109}	16.1	X	62.93666	356.99716	323.26315	6.45187	0.3180312	0.22301543	2.6930605	21	12 25.5	20.4
347498 1998 RE_{68}	16.4	X	27.05080	23.64077	355.94221	6.62328	0.2540028	0.22050092	2.7134956	21	—	—
347499 1998 SV_{2}	16.8	X	232.68020	45.31915	310.52895	24.76921	0.3115656	0.28720339	2.2751481	21	3 16.2	21.5
347500 1998 SQ_{40}	17.3	X	147.73043	240.51563	21.99212	1.98053	0.0268970	0.22268261	2.6957432	21	12 19.2	21.1
347501 1998 SH_{50}	16.2	X	23.76545	347.84130	24.25244	10.83451	0.2602768	0.21934152	2.7230491	21	—	—
347502 1998 UG_{9}	18.0	X	237.37102	357.29540	12.46361	4.89790	0.1712239	0.28886456	2.2664173	21	4 26.5	21.3
347503 1998 XT_{16}	16.5	X	356.67428	303.74573	80.46394	9.69991	0.3038967	0.21541888	2.7560063	21	12 13.5	18.6
347504 1999 AF_{32}	17.2	X	151.84403	303.90508	113.75742	6.90318	0.0931628	0.27527416	2.3404125	21	4 5.1	20.5
347505 1999 CM_{4}	16.4	X	98.94425	90.95308	126.58343	22.77336	0.3148777	0.28031135	2.3122898	21	10 5.8	20.8
347506 1999 GU_{62}	17.3	X	49.98340	127.54553	10.64626	10.00344	0.0519053	0.26635844	2.3923520	21	2 27.3	20.0
347507 1999 KN_{2}	17.6	X	1.07634	327.54367	223.64164	7.31880	0.2240471	0.26379117	2.4078488	21	1 27.9	19.9
347508 1999 RJ_{25}	16.0	X	91.10254	2.98654	346.88312	7.29797	0.1996909	0.23658264	2.5890919	21	—	—
347509 1999 RA_{104}	18.4	X	338.45690	102.11766	203.37331	7.08072	0.3674883	0.31134824	2.1559488	21	5 10.4	19.3
347510 1999 RV_{154}	18.0	X	322.86485	357.12913	319.32938	3.60564	0.2152296	0.30933606	2.1652881	21	5 25.2	19.9
347511 1999 RV_{189}	16.4	X	58.76829	269.78439	124.49610	5.87249	0.3105950	0.23625100	2.5915143	21	—	—
347512 1999 RJ_{203}	16.0	X	48.11388	75.59329	298.60583	13.50753	0.1449543	0.23378541	2.6097032	21	—	—
347513 1999 RA_{226}	16.2	X	81.93780	50.21334	304.30749	13.16280	0.2014603	0.23719149	2.5846593	21	—	—
347514 1999 SP_{14}	17.2	X	95.02413	69.82557	239.39410	12.82765	0.4042172	0.23648797	2.5897829	21	—	—
347515 1999 TS_{7}	15.7	X	68.33949	323.47227	28.43912	16.15163	0.2526802	0.23380713	2.6095415	21	—	—
347516 1999 TT_{30}	16.7	X	58.35323	354.65154	2.87459	5.36329	0.2257553	0.23263329	2.6183125	21	—	—
347517 1999 TR_{51}	17.1	X	355.29443	250.95594	212.48764	12.32337	0.1438820	0.23444884	2.6047776	21	—	—
347518 1999 TJ_{62}	17.3	X	52.66800	351.93577	55.68510	1.44439	0.1658035	0.23463422	2.6034055	21	—	—
347519 1999 TP_{65}	17.9	X	6.70587	167.85627	181.40282	0.61913	0.2289468	0.27176623	2.3605093	21	11 17.5	19.9
347520 1999 TQ_{69}	18.3	X	249.85593	359.10327	2.30557	1.84035	0.2098772	0.30196758	2.2003706	21	4 24.5	21.7

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.		V
		m		°	°	°	°		°					
347521	1999 TZ_{108}	16.1	X	127.67192	119.72394	198.88742	15.39863	0.2312510	0.24009564	2.5637748	21	—		—
347522	1999 TN_{139}	17.0	X	89.82862	154.79519	209.81195	3.58972	0.2032446	0.23620046	2.5918840	21	—		—
347523	1999 TU_{141}	16.7	X	23.31084	33.35452	25.62355	6.09351	0.2813273	0.23274089	2.6175054	21	—		—
347524	1999 TK_{210}	15.4	X	343.45947	111.67280	257.24630	24.01478	0.3273982	0.17627438	3.1502371	21	9	13.9	18.6
347525	1999 TG_{217}	15.6	X	352.88488	294.19926	37.30192	21.58619	0.4126565	0.17768116	3.1335872	21	9	21.7	17.8
347526	1999 TT_{289}	16.9	X	79.79016	321.77333	52.39620	5.42705	0.2384169	0.23564394	2.5959632	21	—		—
347527	1999 UQ_{18}	17.2	X	1.67285	33.78541	58.43668	4.52649	0.1401691	0.23462866	2.6034466	21	—		—
347528	1999 UR_{50}	16.7	X	25.63978	357.70170	71.73274	6.05847	0.2604941	0.23308038	2.6149631	21	—		—
347529	1999 VJ_{36}	15.9	X	12.43988	178.97269	241.73262	12.21672	0.2683478	0.22913748	2.6448758	21	—		—
347530	1999 VF_{52}	16.3	X	3.67539	26.91661	45.16464	14.50959	0.2339863	0.22971423	2.6404470	21	—		—
347531	1999 VN_{116}	18.1	X	6.80956	228.49809	195.35634	3.13255	0.1837245	0.22949660	2.6421160	21	—		—
347532	1999 WO_{5}	16.6	X	102.67019	291.34980	64.37539	13.94615	0.1174262	0.23435677	2.6054598	21	—		—
347533	1999 XA_{17}	16.2	X	29.71748	144.97110	253.78962	13.29979	0.2545297	0.22947696	2.6422667	21	—		—
347534	1999 XN_{142}	16.9	X	188.49328	111.20667	285.62764	21.61731	0.0803621	0.38411245	1.8742627	21	3	18.7	19.7
347535	1999 XH_{189}	16.0	X	15.08898	159.62623	289.15475	12.34139	0.2203456	0.23136790	2.6278505	21	—		—
347536	1999 XB_{258}	16.4	X	171.63795	172.09531	108.23532	11.14363	0.0260907	0.22673763	2.6635058	21	—		—
347537	1999 YY_{13}	16.2	X	29.48810	133.02677	278.69675	27.10295	0.1080911	0.22826991	2.6515731	21	—		—
347538	2000 AP_{1}	17.0	X	185.91335	59.45641	89.88733	20.65061	0.2864746	0.30044789	2.2077841	21	9	16.9	21.3
347539	2000 AQ_{24}	16.6	X	355.25500	24.18415	101.28493	9.27868	0.2736480	0.23023267	2.6364816	21	—		—
347540	2000 AS_{42}	17.6	X	74.70478	190.09622	291.72111	21.50717	0.1019094	0.37739049	1.8964530	21	2	8.7	19.1
347541	2000 AF_{44}	16.8	X	25.79050	9.11838	78.11281	15.82020	0.0714080	0.23393944	2.6085575	21	—		—
347542	2000 AV_{152}	17.1	X	189.43352	98.36488	280.38395	22.82901	0.1582797	0.38087925	1.8848546	21	2	27.5	20.2
347543	2000 BN_{6}	17.3	X	146.76812	116.86634	314.93007	23.02075	0.1328573	0.38162896	1.8823852	21	3	22.1	20.0
347544	2000 EJ_{7}	18.1	X	265.64137	91.88040	330.74325	2.93035	0.1805724	0.30075201	2.2062956	21	8	12.0	20.7
347545	2000 EB_{36}	16.8	X	293.77151	132.55930	344.62187	7.04399	0.2258941	0.21880681	2.7274837	21	11	23.9	19.6
347546	2000 EE_{132}	16.5	X	265.27333	155.09389	13.94395	5.06957	0.0959882	0.21771157	2.7366235	21	—		—
347547	2000 OL_{1}	17.5	X	59.27076	13.23166	183.53690	6.85807	0.2577235	0.27904309	2.3192908	21	7	7.3	19.9
347548	2000 QA_{50}	17.8	X	188.52798	167.55218	148.30088	6.52686	0.3244833	0.25987067	2.4320055	21	1	16.0	22.2
347549	2000 SW_{5}	15.6	X	222.82664	154.19792	219.62253	16.63289	0.2133587	0.17314072	3.1881340	21	4	24.1	21.0
347550	2000 SA_{126}	17.2	X	156.30160	315.09835	32.28085	1.47946	0.2037279	0.25562108	2.4588853	21	1	20.9	20.8
347551	2000 SG_{220}	16.5	X	145.30911	267.21435	114.54149	7.48531	0.2229074	0.25623605	2.4549495	21	2	25.1	20.2
347552	2000 SB_{302}	17.3	X	222.41697	148.74964	239.95133	3.15783	0.2278687	0.26788633	2.3832468	21	5	6.3	21.1
347553	2000 SS_{312}	16.0	X	141.86096	128.19138	249.83026	13.68702	0.1102639	0.25629410	2.4545788	21	1	27.3	19.6
347554	2000 ST_{325}	16.8	X	176.85531	333.67035	20.60754	6.97068	0.1842247	0.25953921	2.4340756	21	2	17.7	20.7
347555	2000 SL_{367}	16.6	X	122.91735	156.73694	250.46384	6.99299	0.1389597	0.25697531	2.4502390	21	2	16.5	19.9
347556	2000 TP_{20}	16.2	X	296.12384	196.80137	159.98173	14.83322	0.2639790	0.22803702	2.6533782	21	6	8.9	20.0
347557	2000 TW_{54}	16.1	X	224.54443	226.63577	112.52707	8.75056	0.1792605	0.26283924	2.4136590	21	3	13.0	20.1
347558	2000 UP_{18}	16.4	X	84.06770	56.15473	282.10454	7.25228	0.2898704	0.29155115	2.2524728	21	—		—
347559	2000 UT_{24}	16.5	X	118.18592	265.32777	120.44096	2.66991	0.2206825	0.25289458	2.4765268	21	1	29.9	19.6
347560	2000 UW_{24}	16.4	X	119.37288	324.42846	71.88757	7.27299	0.1261929	0.25395265	2.4696432	21	2	1.9	19.6
347561	2000 UN_{64}	16.9	X	189.95644	42.58570	315.39915	4.39002	0.1233249	0.26002566	2.4310389	21	2	27.5	20.5
347562	2000 UO_{95}	16.1	X	146.85608	114.69843	246.27891	5.97415	0.1541897	0.25354419	2.4722949	21	1	20.9	19.6
347563	2000 UX_{101}	16.5	X	176.04662	74.72063	275.53378	5.30155	0.1650312	0.25641851	2.4537848	21	2	6.7	20.3
347564	2000 UF_{111}	16.9	X	147.21346	270.86927	96.21639	3.71909	0.1817705	0.25390342	2.4699624	21	2	3.4	20.5
347565	2000 VX	15.8	X	346.79707	244.79243	53.44130	10.08085	0.0659483	0.17546153	3.1599590	21	7	5.8	20.0
347566	2000 VS_{1}	16.4	X	35.71714	130.00843	226.95405	13.59219	0.1490099	0.23878531	2.5731453	21	12	21.4	19.9
347567	2000 WQ_{28}	16.9	X	208.54992	36.11456	61.27657	24.61708	0.3413826	0.26999817	2.3708032	21	7	18.3	21.7
347568	2000 WA_{119}	16.7	X	139.74782	13.47317	1.64044	5.31374	0.1160279	0.25151283	2.4855888	21	1	29.4	20.0
347569	2000 WK_{130}	15.5	X	141.56927	74.76323	257.79961	11.90887	0.1887965	0.24659115	2.5185528	21	—		—
347570	2000 XN_{55}	15.7	X	347.57169	134.37590	10.76763	14.34284	0.1435773	0.24304612	2.5429838	21	—		—
347571	2000 YZ_{53}	16.2	X	353.34523	38.93617	105.76110	8.28973	0.1911269	0.24262280	2.5459408	21	—		—
347572	2000 YZ_{55}	15.7	X	77.65718	237.58940	109.79022	28.91465	0.0691298	0.23641306	2.5903299	21	—		—
347573	2000 YB_{59}	16.4	X	80.63010	287.23811	98.84136	8.80161	0.2320988	0.24360529	2.5390909	21	—		—
347574	2000 YL_{113}	15.9	X	335.72674	182.61402	301.43663	13.25139	0.1256176	0.23849417	2.5752390	21	—		—
347575	2001 AC_{6}	16.3	X	93.63320	100.54749	281.59250	5.66543	0.2674863	0.24572283	2.5244826	21	—		—
347576	2001 AP_{28}	15.8	X	54.15429	58.62243	354.14078	12.08680	0.1275174	0.24228539	2.5483040	21	—		—
347577	2001 AE_{47}	15.9	X	336.71622	106.09636	70.80996	29.70597	0.3120711	0.24081340	2.5586779	21	—		—
347578	2001 AY_{49}	13.3	X	301.13399	146.21060	289.97480	22.92793	0.0525596	0.08397083	5.1647633	21	10	2.8	20.4
347579	2001 BZ_{10}	16.6	X	8.87376	15.07134	116.12400	5.53524	0.1722328	0.24308005	2.5427471	21	—		—
347580	2001 CM_{9}	16.3	X	22.47664	7.42196	120.93134	8.71905	0.2036068	0.24231745	2.5480792	21	—		—
347581	2001 CK_{13}	16.1	X	346.38104	27.57255	116.82140	9.90128	0.1844584	0.23967806	2.5667517	21	—		—
347582	2001 CT_{49}	16.6	X	22.68405	28.79254	76.04671	6.10746	0.1959122	0.24098842	2.5574389	21	—		—
347583	2001 DZ_{61}	16.1	X	339.68871	22.44792	147.72662	7.12057	0.1288840	0.24296698	2.5435360	21	—		—
347584	2001 EH_{18}	15.6	X	359.42048	100.91696	88.30778	34.03015	0.3629922	0.24158146	2.5532518	21	1	4.0	18.2
347585	2001 FE_{89}	17.3	X	314.60436	221.57203	344.87876	0.72038	0.1976477	0.23952903	2.5678163	21	—		—
347586	2001 FK_{92}	16.1	X	20.16754	17.10321	105.68636	6.40102	0.1951153	0.24076601	2.5590136	21	—		—
347587	2001 FW_{94}	16.9	X	180.04670	51.14080	155.35840	13.48463	0.2062495	0.26958883	2.3732024	21	11	16.8	21.0
347588	2001 FN_{145}	16.7	X	261.05071	30.22645	173.33801	13.43508	0.1855784	0.23196666	2.6233264	21	—		—
347589	2001 GP_{5}	16.1	X	287.44321	309.61499	233.96786	14.76961	0.2113574	0.23304154	2.6152537	21	—		—
347590	2001 NS_{5}	17.8	X	272.80491	351.40604	325.16451	3.98168	0.1661883	0.28599779	2.2815375	21	3	24.1	21.1
347591	2001 OJ	17.3	X	287.23649	350.01791	335.66186	6.28391	0.2651432	0.28733067	2.2744762	21	4	7.9	20.5
347592	2001 PU_{19}	17.3	X	224.58096	353.08811	0.10781	5.47410	0.1686208	0.28208741	2.3025739	21	3	25.2	21.0
347593	2001 PX_{21}	16.6	X	147.17783	260.63864	149.94815	22.31658	0.3152105	0.27506812	2.3415811	21	4	13.6	20.9
347594	2001 PP_{57}	17.0	X	169.47700	25.91128	342.09768	6.98299	0.1292888	0.27470618	2.3436375	21	2	19.5	20.3
347595	2001 QL_{35}	16.6	X	262.47120	194.67351	150.82965	5.59358	0.2907310	0.23694786	2.5864308	21	4	15.8	21.0
347596	2001 QB_{59}	17.5	X	232.22119	159.05993	175.79959	6.97591	0.1933517	0.27969704	2.3156743	21	3	8.3	21.1
347597	2001 QF_{188}	16.9	X	184.25225	149.63148	250.87555	6.46507	0.2415073	0.27772108	2.3266451	21	4	18.2	20.9
347598	2001 QM_{211}	17.2	X	288.48016	359.49528	329.75293	5.37746	0.1243986	0.28618090	2.2805641	21	5	5.0	20.2
347599	2001 QM_{222}	16.5	X	182.81723	25.95757	305.04411	10.98915	0.1964158	0.22358312	2.6885000	21	1	28.3	20.8
347600	2001 QQ_{241}	17.3	X	208.91872	354.34114	0.45806	3.34001	0.2140043	0.27752722	2.3277285	21	3	14.0	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
347601 2001 QY_{278}	17.7	X	198.61834	262.91424	99.31429	6.01531	0.2318746	0.27777216	2.3263599	21	3 17.8	21.7
347602 2001 RN_{28}	16.8	X	139.11534	57.66239	343.16160	12.54486	0.2663526	0.22315473	2.6919397	21	3 18.1	21.1
347603 2001 RY_{41}	17.6	X	178.67989	43.53040	354.44147	5.29591	0.1457723	0.27859215	2.3217928	21	4 7.1	21.0
347604 2001 RX_{49}	15.9	X	165.10982	56.34092	327.09436	13.64303	0.1985305	0.17572409	3.1568105	21	3 16.4	21.3
347605 2001 RK_{61}	17.2	X	270.67882	300.86685	34.43961	7.31642	0.1868013	0.28428753	2.2906787	21	4 15.8	20.6
347606 2001 RR_{65}	16.2	X	230.46689	140.26437	197.14906	12.88985	0.2714121	0.22898063	2.6460836	21	3 10.6	21.0
347607 2001 RL_{101}	15.8	X	278.39197	11.71437	358.72493	14.90934	0.1468209	0.19076206	2.9886476	21	6 20.6	20.3
347608 2001 RD_{105}	17.8	X	135.61217	24.86310	9.69514	1.48965	0.1932694	0.27216425	2.3582074	21	2 24.1	21.1
347609 2001 RO_{105}	18.0	X	202.30676	273.63044	109.91810	2.21511	0.2558992	0.27987638	2.3146849	21	4 14.1	22.0
347610 2001 RF_{119}	16.3	X	270.82115	249.03409	92.26400	3.17298	0.2403498	0.18694956	3.0291429	21	4 25.7	21.1
347611 2001 RZ_{121}	17.7	X	200.46359	213.00161	151.06330	5.12855	0.2491836	0.27742542	2.3282979	21	3 19.9	21.6
347612 2001 RP_{135}	16.2	X	188.19511	27.40480	19.57872	11.77825	0.1497745	0.23030079	2.6359617	21	4 30.3	20.5
347613 2001 RJ_{150}	17.5	X	23.63203	183.23013	148.16432	4.90098	0.1732479	0.30050944	2.2074827	21	11 19.3	19.8
347614 2001 SH_{13}	17.8	X	199.57047	35.43408	354.47577	5.96228	0.2206249	0.27968693	2.3157300	21	4 16.9	21.6
347615 2001 ST_{13}	16.6	X	130.43658	14.29521	359.05509	8.49937	0.3195366	0.21809004	2.7334565	21	2 16.2	21.0
347616 2001 SB_{15}	17.6	X	188.96531	34.02379	4.48126	4.78653	0.2021104	0.27901965	2.3194207	21	4 19.3	21.3
347617 2001 SZ_{37}	15.9	X	235.07223	307.39454	34.10734	8.77271	0.3270523	0.18133233	3.0913812	21	3 24.5	21.6
347618 2001 SJ_{51}	17.5	X	209.01276	8.22235	15.13419	8.75797	0.1643185	0.27994224	2.3143219	21	4 17.7	21.0
347619 2001 SA_{78}	17.5	X	173.63431	78.02604	338.63468	1.69461	0.2175166	0.27878490	2.3207225	21	4 30.2	21.2
347620 2001 SS_{95}	17.2	X	218.14943	134.11888	217.33957	5.33371	0.2282852	0.27853852	2.3220909	21	3 15.3	21.3
347621 2001 SB_{114}	15.8	X	269.17663	44.64002	1.94656	13.06947	0.1770452	0.18996858	2.9969640	21	7 26.1	20.3
347622 2001 SU_{122}	17.5	X	83.48082	176.57458	227.64455	5.41235	0.3198389	0.26444992	2.4038485	21	1 11.8	19.3
347623 2001 SN_{124}	17.1	X	223.77647	145.99774	222.42554	2.72232	0.1766009	0.28158103	2.3053336	21	4 12.6	20.7
347624 2001 SJ_{128}	17.5	X	177.51395	156.86105	230.35212	4.82220	0.1880261	0.27729034	2.3290540	21	3 24.9	21.3
347625 2001 SM_{130}	17.5	X	126.68405	64.91569	352.34348	6.33896	0.1924608	0.27219807	2.3580120	21	3 14.9	20.7
347626 2001 SM_{131}	17.5	X	184.69837	56.43839	351.96595	7.30905	0.1091969	0.28006397	2.3136512	21	4 24.1	21.0
347627 2001 SG_{134}	15.8	X	205.41308	208.96265	195.20934	10.53378	0.1632948	0.18226699	3.0808037	21	5 18.6	20.9
347628 2001 SG_{154}	17.8	X	111.07638	13.83322	13.84535	2.47559	0.2165490	0.26588118	2.3952139	21	1 20.0	20.5
347629 2001 SY_{174}	16.5	X	172.83445	324.67049	43.48485	6.05609	0.2092884	0.22344110	2.6896391	21	3 8.3	21.0
347630 2001 SZ_{191}	18.3	X	171.41656	91.06985	292.72581	0.49447	0.1903668	0.27557251	2.3387230	21	3 16.8	22.0
347631 2001 SO_{199}	17.6	X	195.92736	58.51775	10.10447	5.75497	0.1388348	0.28412859	2.2915329	21	6 3.9	21.2
347632 2001 SG_{211}	17.8	X	189.73169	33.21845	17.55615	1.06285	0.2018408	0.28008762	2.3135210	21	5 6.5	21.3
347633 2001 SW_{264}	17.0	X	200.80119	31.85341	22.85624	13.16448	0.2363238	0.23083087	2.6319246	21	5 19.6	21.7
347634 2001 SW_{269}	19.4	X	336.84256	29.45318	191.23384	24.46375	0.5541032	0.82896901	1.1223040	21	—	—
347635 2001 SQ_{277}	17.6	X	169.85241	54.68444	315.33538	6.45106	0.2968360	0.27174585	2.3606273	21	3 3.8	21.7
347636 2001 SC_{303}	17.2	X	204.53426	47.15068	309.08173	6.17969	0.0902169	0.27642136	2.3339326	21	3 8.0	20.5
347637 2001 SA_{304}	17.1	X	140.47577	128.20584	343.94232	5.96184	0.0884436	0.28179564	2.3041630	21	5 30.3	20.3
347638 2001 SZ_{327}	17.4	X	225.47591	317.95548	40.42673	7.19678	0.1632158	0.28009762	2.3134659	21	4 4.3	21.0
347639 2001 SU_{339}	16.1	X	189.47478	95.51993	232.94181	12.15587	0.2860016	0.17297928	3.1901173	21	2 3.8	22.1
347640 2001 TG_{1}	18.5	X	137.62451	251.48604	158.52292	1.41343	0.1715402	0.27075249	2.3663977	21	3 15.7	21.8
347641 2001 TJ_{4}	16.3	X	115.89528	345.58506	12.67988	4.60718	0.1628422	0.21308336	2.7761080	21	—	—
347642 2001 TR_{9}	17.0	X	217.26185	191.93083	202.98771	6.05138	0.1048045	0.28192938	2.3034343	21	5 15.2	20.3
347643 2001 TP_{29}	16.2	X	171.46897	190.19082	220.66001	10.86790	0.1216692	0.17719740	3.1392879	21	4 23.9	21.2
347644 2001 TO_{45}	16.5	X	193.72198	350.22684	25.36730	12.47559	0.1995042	0.22503457	2.6769272	21	4 2.0	21.0
347645 2001 TT_{52}	17.8	X	225.65147	267.62866	101.74540	3.32593	0.2205987	0.28024656	2.3126462	21	4 16.0	21.5
347646 2001 TR_{54}	16.3	X	100.09487	68.75478	341.64207	8.63436	0.1621106	0.21785587	2.7354149	21	2 6.8	19.7
347647 2001 TS_{60}	16.9	X	281.18453	287.80318	6.82852	4.75072	0.1240423	0.27815453	2.3242274	21	3 12.8	20.0
347648 2001 TF_{75}	17.4	X	181.58443	193.92196	209.71031	5.35590	0.2311178	0.27608653	2.3358192	21	4 21.7	21.3
347649 2001 TP_{76}	16.7	X	127.66408	318.96318	34.70140	7.42915	0.2398664	0.26391444	2.4070990	21	—	—
347650 2001 TW_{89}	15.7	X	234.37893	192.43792	228.16939	10.79786	0.2030072	0.18592411	3.0402706	21	6 28.7	20.7
347651 2001 TY_{93}	17.4	X	81.70080	61.72691	358.03200	5.03831	0.2070901	0.26458335	2.4030403	21	1 14.8	19.6
347652 2001 TC_{100}	15.7	X	204.97956	191.18957	248.34765	5.93812	0.1320145	0.18368693	3.0649064	21	6 29.7	20.6
347653 2001 TD_{127}	16.5	X	269.33582	337.58353	60.69280	6.29730	0.1633675	0.18675117	3.0312877	21	7 13.9	20.9
347654 2001 TN_{130}	17.5	X	168.88758	257.04005	124.55476	5.81862	0.2325778	0.27408678	2.3471670	21	3 17.1	21.3
347655 2001 TU_{153}	16.1	X	254.07671	109.28293	271.97002	7.16920	0.2848630	0.18574489	3.0422260	21	5 22.7	21.2
347656 2001 TG_{155}	16.6	X	273.81691	142.05251	219.38523	3.44540	0.0760203	0.18356445	3.0662696	21	6 13.9	21.0
347657 2001 TV_{177}	17.1	X	303.14845	358.64593	287.10812	2.07411	0.1647894	0.28126125	2.3070807	21	3 19.9	19.9
347658 2001 TV_{182}	16.3	X	238.47543	124.67065	287.72594	5.91604	0.2617470	0.18439665	3.0570370	21	6 18.9	21.4
347659 2001 TC_{186}	18.1	X	162.53872	33.70421	338.84159	1.89977	0.2002021	0.27102923	2.3647866	21	2 24.0	21.8
347660 2001 TU_{186}	17.4	X	213.92309	330.44019	357.45269	4.68275	0.1489120	0.27345022	2.3508082	21	2 14.2	21.1
347661 2001 TJ_{198}	17.2	X	293.41439	9.95174	41.19801	7.66928	0.1751274	0.29457036	2.2370551	21	9 14.9	19.2
347662 2001 TJ_{201}	16.4	X	241.69212	245.41083	163.83843	15.93530	0.3299368	0.18560686	3.0437341	21	6 13.9	22.0
347663 2001 TK_{205}	16.4	X	236.80718	277.29366	148.48823	11.13167	0.2973150	0.18580739	3.0415437	21	6 30.9	21.8
347664 2001 TT_{214}	17.0	X	197.60906	21.40798	338.96252	9.41070	0.2467327	0.27502670	2.3418162	21	3 11.1	21.0
347665 2001 TG_{226}	17.5	X	166.47140	272.93375	117.69215	8.25352	0.2638130	0.27435348	2.3456456	21	3 29.7	21.5
347666 2001 TO_{259}	16.3	X	212.11052	70.11702	27.83986	5.25119	0.1715843	0.18610579	3.0382917	21	7 29.2	21.2
347667 2001 TN_{261}	17.4	X	118.78407	7.74260	65.10892	7.44137	0.0494656	0.27259708	2.3557105	21	3 9.0	20.4
347668 2001 UR_{8}	15.6	X	184.31989	15.28608	51.59646	10.20395	0.1601715	0.17929939	3.1147045	21	5 25.4	20.8
347669 2001 UF_{12}	17.3	X	159.94588	153.95104	256.12245	4.09884	0.2142880	0.27417195	2.3466809	21	4 8.9	21.0
347670 2001 UR_{24}	17.3	X	186.75187	69.68547	289.73454	5.03953	0.2558151	0.27345339	2.3507900	21	3 1.2	21.4
347671 2001 UV_{44}	17.6	X	251.53484	233.38908	106.83857	2.59525	0.1979575	0.28002751	2.3138521	21	4 2.9	21.2
347672 2001 UY_{54}	15.4	X	222.43338	75.28887	6.20996	16.44162	0.1190234	0.18828990	3.0147504	21	7 26.8	20.3
347673 2001 UE_{58}	17.2	X	228.51862	136.96975	223.49981	4.61419	0.1670452	0.27940468	2.3172893	21	4 6.8	20.7
347674 2001 UB_{70}	16.5	X	245.91938	26.27148	357.36440	0.50027	0.1021359	0.18423548	3.0588196	21	6 5.2	20.8
347675 2001 UL_{71}	16.4	X	212.24839	146.04478	217.56597	15.37653	0.2304299	0.17690469	3.1427499	21	4 1.6	22.0
347676 2001 UR_{94}	16.8	X	201.60399	291.78264	99.44051	8.31249	0.2707616	0.27776196	2.3264169	21	4 25.7	21.0
347677 2001 UH_{99}	17.9	X	125.07645	211.42873	198.17648	3.99264	0.1839719	0.26909295	2.3761171	21	3 1.1	21.0
347678 2001 UG_{120}	16.1	X	200.83336	59.59851	38.27689	17.83145	0.2169875	0.18321279	3.0701919	21	7 18.8	21.6
347679 2001 UT_{132}	16.7	X	266.12220	182.44508	182.08355	5.59616	0.2543028	0.18585749	3.0409971	21	5 18.0	21.5
347680 2001 UJ_{146}	18.1	X	283.81462	29.09680	42.65351	8.36194	0.1329983	0.29259974	2.2470881	21	10 5.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
347681 2001 UJ_{164}	16.5	X	253.60484	140.67547	189.61576	6.75739	0.1288012	0.27760959	2.3272680	21	3 27.4	19.6
347682 2001 UA_{165}	16.0	X	153.66123	322.68518	42.85185	16.04244	0.3021767	0.22011379	2.7166763	21	3 1.6	21.0
347683 2001 UE_{172}	18.2	X	166.93437	325.36766	66.14871	1.81066	0.1991560	0.27345840	2.3507613	21	3 24.3	21.9
347684 2001 UJ_{186}	16.6	X	261.93311	54.51128	266.92131	6.31067	0.1289982	0.27976900	2.3152771	21	3 21.2	20.0
347685 2001 UG_{208}	18.2	X	186.38118	66.65490	293.13795	1.41948	0.2341869	0.27430486	2.3459228	21	3 2.0	22.1
347686 2001 VQ_{6}	17.6	X	199.18408	355.98159	354.10157	0.91534	0.1979432	0.27310159	2.3528084	21	2 28.3	21.3
347687 2001 VZ_{6}	17.4	X	140.45952	61.57935	42.62533	2.93049	0.1776478	0.27631470	2.3345332	21	5 29.1	20.8
347688 2001 VA_{11}	15.5	X	201.14311	181.67364	248.57446	22.94669	0.1530433	0.18121840	3.0926767	21	6 13.4	20.6
347689 2001 VS_{20}	17.4	X	38.61681	9.07445	48.06363	2.78024	0.1942334	0.25680869	2.4512987	21	—	—
347690 2001 VN_{38}	18.1	X	261.66973	85.26199	291.02882	1.04649	0.2621725	0.28439129	2.2901215	21	5 22.1	21.6
347691 2001 VD_{78}	17.7	X	88.79465	84.19134	36.55608	2.06161	0.1248763	0.27123289	2.3636027	21	4 10.3	20.2
347692 2001 VM_{78}	17.0	X	87.70130	189.11110	276.76077	19.91901	0.0244954	0.37230442	1.9136856	21	2 1.1	19.1
347693 2001 VP_{79}	17.3	X	167.48757	309.07688	115.88733	3.37914	0.1942218	0.27537717	2.3398289	21	5 6.5	20.9
347694 2001 VO_{90}	15.7	X	248.31170	272.84406	97.02150	14.44615	0.2419737	0.18214955	3.0821278	21	5 13.1	20.9
347695 2001 VO_{119}	17.1	X	258.75558	67.99213	274.09285	3.06242	0.2558990	0.27963514	2.3160160	21	4 4.6	21.0
347696 2001 VN_{131}	16.4	X	144.72368	72.80661	94.33538	18.92072	0.2060870	0.18261637	3.0768730	21	8 28.0	21.8
347697 2001 VD_{134}	17.0	X	69.70118	23.65647	111.57851	7.45307	0.0853898	0.27291400	2.3538864	21	3 29.2	19.6
347698 2001 WG_{1}	17.6	X	88.57984	314.25876	73.89876	23.55032	0.0920637	0.35979863	1.9577762	21	—	—
347699 2001 WR_{6}	17.1	X	195.04497	41.91198	293.98308	10.58717	0.2628094	0.27197873	2.3592797	21	2 7.5	21.2
347700 2001 WD_{13}	17.4	X	148.72176	328.47712	107.06543	4.31695	0.2252410	0.27315057	2.3525271	21	5 5.4	21.2
347701 2001 WF_{35}	17.1	X	300.70208	276.92677	79.89430	6.82943	0.2016438	0.28686162	2.2769548	21	6 22.9	19.5
347702 2001 WE_{36}	16.1	X	242.29526	323.74261	78.02630	18.63883	0.3012343	0.18294376	3.0732011	21	6 6.5	21.2
347703 2001 WX_{43}	16.0	X	227.70907	54.09361	58.92540	10.40912	0.0823189	0.18919185	3.0051611	21	9 13.7	20.6
347704 2001 WO_{50}	16.9	X	195.93538	296.20537	44.78299	13.53074	0.2843500	0.27180196	2.3603024	21	2 23.8	21.3
347705 2001 WG_{67}	15.9	X	229.03941	359.97185	53.04748	13.91182	0.1248328	0.18331695	3.0690288	21	6 20.7	20.8
347706 2001 WO_{72}	18.1	X	142.34723	302.25860	98.93367	2.23097	0.1768855	0.26985957	2.3716149	21	3 11.0	21.4
347707 2001 XR_{3}	16.8	X	190.42750	352.19294	279.06255	17.94707	0.0555525	0.35667345	1.9691956	21	—	—
347708 2001 XO_{15}	17.5	X	142.78969	128.02279	294.49153	5.36448	0.2319072	0.27048219	2.3679740	21	4 9.5	21.2
347709 2001 XR_{15}	15.4	X	266.47690	299.20612	80.94175	11.62929	0.3330786	0.18488715	3.0516278	21	5 28.9	20.3
347710 2001 XK_{46}	14.9	X	227.37436	324.12337	80.92493	23.25142	0.1700283	0.17661309	3.1462082	21	6 7.7	19.9
347711 2001 XQ_{56}	15.9	X	229.10490	178.15281	256.47377	14.12011	0.2787047	0.18245357	3.0787031	21	7 5.2	21.2
347712 2001 XY_{60}	15.6	X	227.45583	296.83833	77.44887	20.47576	0.1747133	0.17680235	3.1439625	21	5 7.1	20.9
347713 2001 XU_{70}	16.9	X	127.26572	196.36366	168.76528	5.29634	0.2559137	0.26447396	2.4037028	21	1 16.0	20.0
347714 2001 XX_{71}	17.1	X	154.42231	230.37187	175.27186	6.14482	0.2449359	0.27100652	2.3649188	21	4 3.4	20.9
347715 2001 XD_{73}	15.9	X	224.18236	183.62585	232.97785	9.51293	0.2002523	0.18138250	3.0908111	21	6 15.9	21.0
347716 2001 XQ_{84}	16.1	X	191.82383	16.84973	85.30374	18.92749	0.1975571	0.17978989	3.1090368	21	7 13.9	21.5
347717 2001 XB_{94}	17.5	X	133.02769	31.08570	53.47119	3.54948	0.1367866	0.27250757	2.3562263	21	4 21.4	20.7
347718 2001 XO_{102}	17.4	X	8.47875	29.49770	91.06076	23.85968	0.0838261	0.35848835	1.9625438	21	—	—
347719 2001 XO_{114}	16.1	X	159.77460	126.86921	17.14934	5.42954	0.2331290	0.17646151	3.1480096	21	8 9.3	21.6
347720 2001 XM_{130}	17.5	X	126.84099	325.36816	95.12456	3.82768	0.2228723	0.26874184	2.3781862	21	3 25.9	20.9
347721 2001 XX_{131}	15.9	X	232.68064	319.37333	82.43893	6.33187	0.1403208	0.18048533	3.1010453	21	6 10.4	20.7
347722 2001 XB_{169}	15.3	X	223.85772	138.71519	271.81281	18.15099	0.1150617	0.17807071	3.1290155	21	6 14.5	20.2
347723 2001 XC_{200}	15.3	X	137.58129	240.35701	285.94867	25.42195	0.1007077	0.17631041	3.1498080	21	8 1.7	20.4
347724 2001 XQ_{211}	17.0	X	160.51356	113.62336	288.53236	5.33223	0.1369461	0.27004920	2.3705045	21	3 23.4	20.6
347725 2001 XY_{211}	15.8	X	194.14221	26.96439	90.72326	17.20079	0.1923234	0.18100972	3.0950532	21	8 6.1	21.1
347726 2001 XG_{226}	15.7	X	191.27029	20.75361	70.40003	17.97142	0.1650271	0.17946760	3.1127580	21	6 29.9	20.9
347727 2001 XG_{249}	16.8	X	56.46272	111.79160	103.99033	6.74007	0.1389121	0.27323844	2.3520227	21	7 10.9	19.2
347728 2001 XN_{260}	17.3	X	253.82143	263.22802	78.83155	6.02863	0.1912934	0.27954958	2.3164885	21	4 9.7	20.8
347729 2001 XH_{267}	15.8	X	139.44896	72.20213	79.50524	17.01335	0.2137346	0.17324389	3.1868682	21	8 2.4	21.3
347730 2001 YX_{2}	17.3	X	64.60695	286.61370	104.38556	24.85743	0.1063253	0.35405032	1.9789100	21	—	—
347731 2001 YG_{6}	16.0	X	184.94284	72.47484	36.97766	16.75340	0.1959559	0.17678547	3.1441627	21	7 20.3	21.6
347732 2001 YA_{28}	15.8	X	133.82192	85.65223	59.66186	16.77312	0.1884220	0.17742430	3.1366109	21	7 18.3	21.1
347733 2001 YU_{90}	15.6	X	229.12648	121.97386	275.94751	15.26476	0.2459544	0.17822752	3.1271800	21	5 25.4	21.1
347734 2001 YC_{139}	15.9	X	195.00799	343.18542	120.49635	13.50697	0.0766360	0.17734244	3.1375761	21	7 22.1	20.7
347735 2001 YF_{143}	15.7	X	215.74267	347.13012	74.05129	18.86985	0.1912391	0.17880677	3.1204226	21	6 14.0	21.0
347736 2001 YS_{150}	16.9	X	290.02270	286.45226	70.32016	9.77390	0.1840805	0.23403318	2.6078609	21	6 10.6	20.3
347737 2002 AM_{12}	17.4	X	108.36669	20.88931	87.26742	2.67097	0.1452295	0.26755624	2.3852065	21	4 25.1	20.5
347738 2002 AT_{44}	15.3	X	274.11607	56.89277	285.02979	15.02328	0.0772299	0.17317111	3.1877611	21	5 18.6	20.0
347739 2002 AL_{51}	15.7	X	175.41312	358.17348	125.63973	18.61631	0.1030259	0.17600961	3.1533957	21	7 26.1	20.5
347740 2002 AO_{52}	16.8	X	105.41614	210.09799	297.85585	5.96940	0.0663766	0.27103133	2.3647744	21	6 2.1	19.8
347741 2002 AP_{53}	15.4	X	208.88301	290.74283	112.91720	20.41452	0.1158668	0.17392393	3.1785557	21	5 27.5	20.7
347742 2002 AO_{56}	15.2	X	152.10691	343.36754	113.97368	20.65843	0.0826949	0.17182678	3.2043663	21	6 3.3	20.3
347743 2002 AN_{59}	14.8	X	214.17412	159.80597	306.42579	27.04118	0.1187042	0.17822231	3.1272409	21	8 8.2	19.7
347744 2002 AU_{78}	15.6	X	155.85678	202.94152	299.09641	8.88275	0.0485637	0.17797933	3.1300865	21	7 26.4	20.1
347745 2002 AA_{80}	15.8	X	183.15298	202.38181	298.14504	12.06876	0.0786224	0.18040825	3.1019285	21	8 20.6	20.7
347746 2002 AB_{103}	16.6	X	312.48372	49.81379	4.79985	3.38099	0.1568798	0.23893282	2.5720862	21	10 16.3	19.0
347747 2002 AB_{115}	15.9	X	163.03858	26.98582	111.82809	11.49383	0.1641002	0.17513739	3.1638567	21	8 3.3	21.2
347748 2002 AR_{122}	15.8	X	157.06054	25.29967	119.24381	8.91123	0.1690659	0.17386309	3.1792971	21	8 4.7	20.9
347749 2002 AT_{129}	16.1	X	174.06365	65.17310	64.47468	26.94781	0.3149359	0.17658142	3.1465844	21	8 7.6	22.3
347750 2002 AF_{142}	17.1	X	130.45124	287.49775	115.04886	7.33797	0.0990500	0.26318945	2.4115174	21	2 18.1	20.2
347751 2002 AN_{142}	16.2	X	264.98282	104.33961	285.58518	7.86876	0.1424187	0.17971892	3.1098553	21	6 30.3	20.7
347752 2002 AM_{150}	17.5	X	61.88296	45.54762	100.63798	5.19517	0.1376404	0.26492488	2.4009745	21	4 8.1	19.9
347753 2002 AS_{164}	15.5	X	147.35432	179.02306	310.36896	18.19061	0.0940473	0.17117091	3.2125464	21	7 6.5	20.5
347754 2002 AG_{182}	15.6	X	111.52887	92.58924	95.05270	10.85700	0.1593955	0.17420674	3.1751146	21	8 16.1	20.6
347755 2002 AX_{183}	16.4	X	179.30898	168.25941	304.68243	8.45697	0.1832762	0.17721520	3.1390777	21	7 16.9	21.5
347756 2002 AK_{198}	17.4	X	233.18257	41.24130	305.86770	18.86767	0.1114540	0.37118549	1.9175295	21	3 7.2	20.2
347757 2002 AO_{198}	17.1	X	136.36752	139.70126	277.85713	4.25940	0.2185154	0.26678908	2.3897768	21	3 27.3	20.6
347758 2002 BF_{13}	16.5	X	22.57555	169.51192	349.13359	12.79285	0.1294961	0.25950751	2.4342738	21	2 10.9	18.9
347759 2002 BT_{22}	15.6	X	237.41109	120.86909	317.79205	20.94945	0.4187749	0.18322468	3.0700591	21	7 12.4	21.4
347760 2002 BW_{27}	15.6	X	208.96012	321.05897	105.18604	18.39392	0.2182090	0.17573755	3.1566493	21	6 15.7	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
347761 2002 CL_8	15.6	X	149.39390	34.86728	126.55816	15.29287	0.1925401	0.17592238	3.1544380	21	8 20.1	20.9
347762 2002 CF_{12}	16.6	X	125.71544	27.37581	136.16763	25.84027	0.2317358	0.27404853	2.3473854	21	8 6.0	20.2
347763 2002 CH_{28}	17.0	X	124.52587	23.46798	42.29791	5.34711	0.1482641	0.26453559	2.4033295	21	3 20.9	20.1
347764 2002 CJ_{53}	16.2	X	105.90424	335.99740	150.66709	29.02973	0.1579336	0.21630099	2.7485082	21	5 28.6	20.8
347765 2002 CF_{66}	17.3	X	68.69467	70.95122	118.30129	3.54199	0.1745518	0.27000587	2.3707581	21	6 27.2	19.8
347766 2002 CH_{70}	15.4	X	83.11790	227.92893	326.97740	12.05398	0.1138378	0.17078988	3.2173227	21	7 17.7	20.0
347767 2002 CN_{88}	17.4	X	104.84400	352.01277	112.29445	3.89696	0.1444529	0.26490336	2.4011046	21	4 16.1	20.4
347768 2002 CS_{116}	17.7	X	35.33431	30.53757	124.15571	5.77856	0.1799578	0.26108911	2.4244331	21	2 27.5	19.5
347769 2002 CC_{150}	17.2	X	23.69976	154.69534	351.13526	4.28773	0.0762694	0.25757384	2.4464418	21	1 26.5	19.8
347770 2002 CP_{157}	15.7	X	140.09331	351.25181	140.78519	18.91703	0.1197239	0.17075918	3.2177084	21	7 2.2	20.9
347771 2002 CM_{172}	17.5	X	272.89157	21.91231	116.46982	4.95872	0.1651749	0.29188756	2.2507417	21	12 17.9	19.4
347772 2002 CS_{179}	15.9	X	230.83596	99.81230	317.48262	9.08772	0.1081960	0.17580495	3.1558425	21	7 1.5	20.8
347773 2002 CK_{181}	15.9	X	201.92134	121.81881	331.83884	8.45928	0.0443844	0.17535921	3.1611880	21	7 20.3	20.6
347774 2002 CC_{185}	15.7	X	147.95327	168.43489	329.10557	13.79737	0.0508863	0.17299777	3.1898901	21	7 14.8	20.6
347775 2002 CL_{192}	17.3	X	138.91490	86.33677	322.75832	4.09380	0.1758751	0.26402160	2.4064476	21	3 15.7	20.8
347776 2002 CC_{205}	17.3	X	312.18759	54.54798	137.19716	4.96198	0.0507172	0.25290214	2.4764775	21	—	—
347777 2002 CG_{230}	17.3	X	310.04340	242.93703	308.32566	6.60309	0.1028074	0.30486710	2.1863969	21	—	—
347778 2002 CC_{232}	17.1	X	258.27693	294.92896	312.63717	19.19351	0.0404566	0.35805109	1.9641412	21	—	—
347779 2002 CK_{241}	17.7	X	117.69226	230.54069	253.58282	4.88039	0.2712843	0.26876555	2.3780464	21	6 11.5	21.4
347780 2002 CJ_{276}	16.8	X	98.51873	317.21606	147.04085	7.04924	0.0581356	0.26239250	2.4163978	21	3 24.7	19.7
347781 2002 CO_{283}	17.1	X	127.98547	149.57979	305.80884	6.76997	0.0720561	0.26815348	2.3816636	21	4 17.4	20.3
347782 2002 CS_{283}	16.6	X	77.34571	317.86257	140.73135	13.62842	0.1180225	0.21011666	2.8021781	21	3 3.7	20.1
347783 2002 CV_{293}	14.9	X	96.02194	256.21938	299.70500	24.43124	0.2125002	0.16893504	3.2408298	21	8 8.2	20.0
347784 2002 DF_3	15.4	X	146.84489	171.47176	41.94145	18.53521	0.4175992	0.17866658	3.1220546	21	10 23.3	21.5
347785 2002 DG_7	15.5	X	116.69457	145.09484	15.58347	15.15192	0.1565434	0.17129542	3.2109894	21	7 20.3	20.7
347786 2002 EY_6	16.8	X	133.20835	317.73584	358.50715	5.88858	0.1414439	0.24048995	2.5609716	21	—	—
347787 2002 EB_{102}	16.6	X	55.01312	70.75077	88.49396	7.10168	0.2340253	0.26205218	2.4184894	21	4 30.3	18.6
347788 2002 EU_{147}	17.3	X	85.72454	288.65061	165.03664	2.87260	0.2698515	0.26011142	2.4305045	21	3 24.3	19.9
347789 2002 EW_{149}	17.4	X	100.10528	9.22423	131.53237	1.68404	0.1310050	0.26538243	2.3982140	21	5 26.9	20.3
347790 2002 FO_{24}	15.3	X	103.14472	138.87709	76.65792	18.03194	0.1745348	0.17474547	3.1685855	21	9 19.3	20.6
347791 2002 GV_2	16.7	X	188.65296	189.91311	62.43931	16.63362	0.2295328	0.23524214	2.5989183	21	—	—
347792 2002 GG_{119}	16.0	X	162.62159	96.88555	35.29008	25.66240	0.2677100	0.17107402	3.2137593	21	8 5.7	22.1
347793 2002 GB_{181}	16.1	X	211.21461	25.19670	141.86158	18.31027	0.1508909	0.18182944	3.0857441	21	10 25.3	21.2
347794 2002 GQ_{183}	16.7	X	105.08055	169.18627	199.06954	10.21505	0.0289672	0.24256024	2.5463786	21	—	—
347795 2002 GV_{183}	16.7	X	130.18184	118.80801	200.37630	10.23972	0.0844170	0.23798051	2.5789433	21	—	—
347796 2002 GA_{185}	16.9	X	260.86027	218.03144	30.92681	6.02977	0.0305106	0.24748352	2.5124950	21	1 3.6	20.4
347797 2002 GU_{188}	16.7	X	112.31807	339.90645	39.39376	6.71382	0.1525405	0.24454176	2.5326044	21	1 5.7	19.9
347798 2002 GL_{190}	16.8	X	215.13787	21.05912	230.01876	13.70477	0.1054464	0.24021982	2.5628911	21	—	—
347799 2002 GO_{190}	17.1	X	35.64743	137.19619	3.10745	3.29618	0.1499038	0.25341534	2.4731329	21	2 7.7	19.2
347800 2002 JS_{17}	17.2	X	35.68490	228.91226	22.17557	2.08572	0.1794780	0.26522662	2.3991531	21	8 4.7	19.3
347801 2002 JE_{20}	17.6	X	124.65033	283.63106	202.50689	20.87677	0.0704179	0.36529379	1.9380926	21	5 25.2	19.9
347802 2002 JN_{31}	16.5	X	266.38522	159.19773	64.78494	15.69378	0.0837788	0.24299436	2.5433449	21	—	—
347803 2002 JY_{55}	16.8	X	32.08152	78.84078	229.23071	14.27548	0.4350556	0.21622424	2.7491586	21	11 24.5	20.3
347804 2002 JS_{104}	16.4	X	81.95899	215.69181	76.50512	8.89510	0.1810749	0.22366191	2.6878686	21	11 26.4	20.4
347805 2002 JP_{110}	17.1	X	70.36621	310.10865	356.47303	2.99136	0.1491004	0.32716438	2.0858931	21	12 14.9	19.8
347806 2002 JL_{132}	16.7	X	178.41715	214.38310	32.45032	12.61333	0.1398508	0.23442821	2.6049304	21	12 29.9	21.0
347807 2002 JX_{146}	16.1	X	138.51347	218.39354	65.90563	15.79450	0.1027291	0.23328557	2.6134296	21	—	—
347808 2002 LJ_2	17.5	X	216.73414	278.43784	92.38203	24.27324	0.1155657	0.35697238	1.9680961	21	4 19.2	20.8
347809 2002 LJ_{39}	16.1	X	165.03940	177.31191	91.81766	19.45146	0.1725645	0.23275293	2.6174151	21	—	—
347810 2002 LM_{42}	16.3	X	68.13063	198.38135	129.07609	11.00172	0.1908993	0.22368126	2.6877135	21	12 25.9	20.4
347811 2002 LX_{62}	16.2	X	283.62434	158.01259	83.74968	14.70808	0.1424539	0.24289983	2.5440047	21	1 10.2	20.0
347812 2002 MW_3	16.1	X	59.96076	174.34395	127.45202	11.37475	0.4397533	0.21642446	2.7474628	21	12 13.4	20.9
347813 2002 NP_1	17.7	X	67.15323	145.19492	315.04276	19.12655	0.1652894	0.70680887	1.2481537	21	—	—
347814 2002 NQ_{24}	15.7	X	28.80427	72.10720	276.52747	6.50708	0.3313759	0.21485968	2.7607861	21	12 25.0	19.2
347815 2002 NG_{60}	16.3	X	320.52309	37.39035	113.92347	10.38287	0.0636331	0.23236979	2.6202915	21	—	—
347816 2002 NN_{66}	18.1	X	313.38505	260.70436	74.17706	0.91770	0.1986368	0.30872769	2.1681317	21	6 10.6	19.9
347817 2002 NQ_{80}	16.1	X	251.22004	289.15802	280.63742	12.37573	0.2325729	0.23179135	2.6246490	21	—	—
347818 2002 OZ_5	18.0	X	171.61493	117.81228	162.03862	8.35902	0.2662842	0.28259874	2.2997956	21	—	—
347819 2002 OX_6	17.0	X	1.26152	158.73687	193.83280	8.50639	0.2394378	0.21137167	2.7910752	21	10 28.6	19.5
347820 2002 OQ_{11}	16.5	X	349.43112	159.40817	198.97415	12.04213	0.2579988	0.21137655	2.7910322	21	10 8.1	18.6
347821 2002 OM_{25}	16.7	X	98.10289	348.12751	331.71698	10.62231	0.1408287	0.22208571	2.7005712	21	—	—
347822 2002 OZ_{31}	17.4	X	56.23059	197.42135	114.82249	4.61751	0.1913031	0.21715204	2.7413224	21	11 24.2	21.2
347823 2002 OE_{34}	16.4	X	44.86759	35.74581	342.87948	13.02846	0.1113930	0.22260516	2.6963685	21	—	—
347824 2002 OM_{36}	16.2	X	138.62451	203.08335	92.12656	12.23923	0.1234603	0.22617153	2.6679484	21	—	—
347825 2002 PD_3	16.0	X	97.16577	131.77519	246.26541	10.66510	0.2054450	0.22761988	2.6566189	21	—	—
347826 2002 PZ_3	16.5	X	89.42066	36.29461	266.05513	11.26147	0.1575200	0.22133598	2.7066662	21	12 12.6	20.5
347827 2002 PM_{24}	16.7	X	348.99555	100.81603	304.91636	10.71628	0.2532712	0.21555603	2.7548371	21	12 20.4	19.3
347828 2002 PL_{25}	16.3	X	66.25264	227.30430	150.96961	9.52207	0.2911859	0.22307825	2.6925549	21	—	—
347829 2002 PP_{33}	15.7	X	78.75002	69.81391	331.95050	14.75260	0.1247180	0.17636363	3.1491742	21	1 1.9	19.9
347830 2002 PU_{38}	18.0	X	48.40111	137.92971	147.82950	2.59193	0.1377675	0.31641017	2.1328931	21	10 17.2	20.2
347831 2002 PH_{65}	16.5	X	159.26587	238.57829	116.60548	12.39028	0.2041554	0.23542720	2.5975562	21	2 5.8	20.6
347832 2002 PH_{68}	16.6	X	174.79079	111.68148	159.22337	10.04493	0.1504984	0.22840862	2.6504995	21	—	—
347833 2002 PY_{71}	16.3	X	152.91106	111.60841	262.88100	12.51333	0.1840946	0.23713161	2.5850945	21	2 14.4	20.6
347834 2002 PL_{72}	16.3	X	273.41744	111.34106	272.63001	14.10922	0.2709734	0.20224163	2.8744561	21	6 15.1	20.5
347835 2002 PV_{99}	18.1	X	322.29429	331.21869	2.13440	4.83772	0.2095529	0.30799455	2.1715710	21	6 25.3	19.6
347836 2002 PA_{101}	15.8	X	150.10452	355.85601	344.03692	9.05314	0.0983982	0.18056345	3.1001508	21	1 9.2	20.5
347837 2002 PO_{107}	16.4	X	352.33100	187.12413	201.68714	7.94510	0.1704496	0.21515461	2.7582626	21	11 24.3	19.3
347838 2002 PY_{138}	16.8	X	358.63473	38.34366	331.20730	7.18054	0.3456964	0.21122409	2.7923750	21	11 30.6	19.2
347839 2002 PK_{140}	16.7	X	78.39729	58.06148	342.39794	23.57857	0.2315814	0.27882295	2.3205114	21	—	—
347840 2002 PM_{176}	16.6	X	6.16974	189.40193	162.46221	5.90944	0.0417634	0.21345988	2.7728426	21	10 17.6	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
347841 2002 PR_{190}	16.7	X	144.04164	189.22922	83.46872	7.27499	0.0640479	0.22404623	2.6847939	21	12 27.5	20.6
347842 2002 QL_{15}	16.2	X	48.35850	163.46346	154.37186	16.55616	0.2406857	0.21515947	2.7582211	21	11 30.8	20.4
347843 2002 QB_{19}	16.6	X	276.82681	145.49536	120.53229	5.12344	0.1430378	0.24120004	2.5559428	21	2 2.3	20.4
347844 2002 QX_{24}	15.8	X	358.52959	128.65877	252.20376	23.45296	0.2714188	0.21120749	2.7925214	21	12 5.9	18.2
347845 2002 QA_{68}	17.1	X	63.70698	64.57278	269.67476	2.64587	0.0872013	0.21855211	2.7296024	21	12 15.4	20.8
347846 2002 QX_{70}	16.9	X	33.91147	197.83071	147.09436	5.01993	0.1125931	0.21578988	2.7528465	21	11 25.5	20.4
347847 2002 QH_{83}	16.5	X	56.82286	353.89699	162.84636	12.43163	0.0913061	0.24471249	2.5314263	21	4 12.2	19.5
347848 2002 QO_{84}	16.4	X	336.72424	108.10367	311.93574	10.19877	0.1121297	0.21678306	2.7444321	21	12 3.5	19.7
347849 2002 QS_{88}	16.5	X	29.71596	244.58507	87.23900	4.27688	0.1310382	0.21286971	2.7779652	21	11 4.8	19.9
347850 2002 QO_{93}	16.6	X	109.58080	104.85240	141.55585	4.70046	0.0511866	0.21281684	2.7784253	21	10 17.4	20.5
347851 2002 QK_{118}	16.9	X	126.85991	179.67095	70.51620	4.14658	0.0798719	0.21733447	2.7397881	21	11 11.7	21.1
347852 2002 QQ_{134}	16.7	X	57.13939	194.18059	122.67734	6.05780	0.1517053	0.21530851	2.7569481	21	11 25.7	20.5
347853 2002 QK_{144}	17.1	X	83.57052	311.83875	1.67610	5.22752	0.0580114	0.21853773	2.7297220	21	12 8.6	21.0
347854 2002 QQ_{149}	17.2	X	320.59328	105.39882	291.34171	6.13948	0.2287112	0.21026370	2.8008714	21	9 20.2	20.0
347855 2002 RW_{30}	16.0	X	4.03998	42.00334	322.06473	7.82040	0.2910813	0.21140985	2.7907391	21	11 25.0	18.7
347856 2002 RW_{43}	16.3	X	18.05252	351.74424	359.34835	8.11626	0.2324119	0.21276330	2.7788914	21	11 23.8	19.5
347857 2002 RW_{74}	15.9	X	71.50468	18.61375	338.05043	8.88152	0.0474347	0.22143755	2.7058385	21	—	—
347858 2002 RW_{122}	16.0	X	7.71930	241.74202	95.83200	8.64241	0.1694521	0.20894902	2.8126077	21	10 15.1	19.2
347859 2002 RT_{132}	17.9	X	106.46759	128.08667	203.09663	20.92376	0.1109813	0.37962312	1.8890101	21	—	—
347860 2002 RG_{175}	18.2	X	330.21391	57.56316	245.43795	4.60646	0.2259566	0.30567140	2.1825599	21	5 16.8	19.5
347861 2002 RT_{190}	17.6	X	134.06055	305.69421	14.79323	7.16795	0.3061554	0.27985833	2.3147844	21	—	—
347862 2002 RB_{201}	16.1	X	26.66731	354.77224	358.84365	11.18061	0.1508086	0.21455678	2.7633839	21	11 27.6	19.8
347863 2002 RE_{201}	17.9	X	269.17098	284.58104	58.24397	5.56387	0.2044019	0.30059405	2.2070684	21	4 21.7	21.0
347864 2002 RW_{213}	17.5	X	326.03821	211.07138	105.65275	4.08946	0.2067619	0.30647924	2.1787230	21	6 5.1	18.9
347865 2002 RE_{235}	17.0	X	328.42289	182.71302	221.79321	3.71781	0.0736008	0.21137262	2.7910668	21	10 29.9	20.4
347866 2002 RN_{237}	16.7	X	339.65517	247.07458	135.46429	5.30667	0.0828709	0.21114675	2.7930569	21	10 20.7	20.1
347867 2002 RB_{241}	16.7	X	338.43650	139.77999	262.05212	3.47947	0.1066024	0.21348347	2.7726383	21	11 11.4	20.0
347868 2002 RD_{243}	17.0	X	151.31618	49.01199	310.51683	5.92004	0.1440290	0.28616467	2.2806503	21	1 18.7	19.9
347869 2002 RB_{246}	16.9	X	8.32552	195.32475	147.41687	4.70090	0.1128818	0.21139412	2.7908776	21	10 14.7	20.1
347870 2002 RE_{246}	17.3	X	335.81282	21.38505	358.29732	3.81485	0.0889232	0.21115039	2.7930248	21	10 7.5	20.6
347871 2002 RL_{269}	16.4	X	352.45150	332.56950	81.90852	10.52424	0.1500166	0.21507625	2.7589325	21	12 26.4	19.4
347872 2002 RZ_{270}	16.7	X	352.45418	65.60005	325.32188	5.11973	0.0806590	0.21504442	2.7592048	21	11 17.4	20.1
347873 2002 SN_{52}	16.0	X	7.37109	292.84923	55.69687	9.94783	0.1721142	0.20964407	2.8063877	21	10 27.6	19.0
347874 2002 TU_{3}	16.9	X	52.00578	312.75265	39.28667	3.94707	0.2259772	0.26816098	2.3816192	21	—	—
347875 2002 TA_{24}	16.4	X	350.57536	356.71877	21.77840	7.98187	0.2245191	0.20902578	2.8119190	21	11 6.3	18.9
347876 2002 TF_{26}	15.5	X	82.18531	349.55153	42.79136	5.24246	0.1473110	0.17148195	3.2086605	21	—	—
347877 2002 TW_{52}	16.1	X	68.58756	328.88240	43.98507	6.21035	0.3219167	0.21791800	2.7348949	21	—	—
347878 2002 TH_{56}	15.7	X	146.11565	193.93247	206.20115	9.62434	0.0955100	0.18132561	3.0914576	21	3 12.6	20.4
347879 2002 TM_{59}	17.6	X	72.46979	101.57253	207.67588	24.25075	0.1422430	0.37098369	1.9182248	21	12 25.2	20.7
347880 2002 TP_{84}	16.0	X	75.83391	288.90022	45.30693	14.04187	0.2708617	0.21802871	2.7339690	21	—	—
347881 2002 TG_{85}	17.7	X	333.43095	207.64161	190.28880	22.09850	0.0945986	0.36595669	1.9357514	21	12 6.9	19.8
347882 2002 TJ_{109}	16.1	X	2.33779	318.43837	30.29784	11.54070	0.1948608	0.20965460	2.8062937	21	10 19.1	18.9
347883 2002 TU_{129}	16.6	X	282.59781	90.97710	311.65594	6.01531	0.3185668	0.20120528	2.8843179	21	7 13.3	20.8
347884 2002 TE_{156}	15.5	X	93.52680	92.85796	284.75300	8.18051	0.0807620	0.17412056	3.1761623	21	—	—
347885 2002 TB_{169}	16.0	X	65.07268	357.88000	338.78461	15.63417	0.3135730	0.21736975	2.7394917	21	—	—
347886 2002 TG_{170}	16.1	X	350.95798	58.70072	321.04364	11.97843	0.1705311	0.20965182	2.8063185	21	10 31.4	19.4
347887 2002 TG_{186}	18.0	X	204.93191	130.13775	207.06510	6.67759	0.2756952	0.29007255	2.2601207	21	2 14.7	22.2
347888 2002 TE_{190}	16.2	X	325.60835	41.44530	330.78277	14.67679	0.1612236	0.20545330	2.8444216	21	9 2.7	19.4
347889 2002 TX_{202}	16.2	X	326.23866	333.49064	44.78442	9.23583	0.2873390	0.20578830	2.8413338	21	9 7.3	18.7
347890 2002 TQ_{207}	17.6	X	291.62645	11.95340	0.27694	4.40049	0.2047021	0.30424617	2.1893707	21	7 1.7	19.9
347891 2002 TS_{218}	15.8	X	356.14827	79.13879	310.91402	7.21972	0.2172931	0.21156934	2.7893364	21	12 5.9	18.6
347892 2002 TR_{219}	17.4	X	308.04578	60.40114	272.22106	3.91459	0.2204858	0.30372966	2.1918521	21	5 23.6	19.7
347893 2002 TO_{287}	16.0	X	38.78088	150.02095	232.45988	10.81067	0.2476980	0.21459360	2.7630678	21	—	—
347894 2002 TO_{364}	16.7	X	305.35251	246.03361	167.24499	9.39239	0.1291439	0.20637944	2.8359055	21	10 1.1	20.1
347895 2002 TP_{368}	16.0	X	190.79710	359.01045	83.65329	11.01510	0.0709168	0.19294220	2.9660916	21	6 21.0	20.4
347896 2002 TQ_{369}	16.2	X	245.42213	94.86823	77.32189	13.66861	0.1102526	0.21318648	2.7752127	21	12 10.9	20.0
347897 2002 TY_{379}	16.9	X	18.21394	310.71723	24.15657	1.74376	0.0986517	0.20881119	2.8138452	21	10 16.0	20.2
347898 2002 UH_{74}	17.7	X	199.13819	79.54387	68.41024	5.52413	0.0621421	0.30759483	2.1734519	21	10 6.2	20.4
347899 2002 UR_{74}	18.0	X	276.17787	319.02440	88.84270	3.59207	0.1561078	0.30501545	2.1856879	21	8 11.1	20.3
347900 2002 VR_{3}	18.0	X	284.76280	101.39439	270.62717	3.51083	0.2614697	0.30303601	2.1951956	21	6 10.7	20.6
347901 2002 VD_{5}	16.2	X	110.85441	80.96792	214.07126	3.61359	0.0384207	0.21205828	2.7850472	21	12 15.0	20.1
347902 2002 VO_{71}	16.3	X	349.96894	305.75524	108.52760	4.67573	0.1588769	0.21083735	2.7957887	21	12 21.6	19.4
347903 2002 VC_{76}	17.5	X	211.87612	347.80820	83.47425	7.40853	0.0738791	0.29856636	2.2170499	21	6 29.3	20.3
347904 2002 VO_{138}	17.9	X	252.43366	358.99476	9.25022	7.40640	0.1664314	0.29648684	2.2274046	21	5 8.9	21.1
347905 2002 WV_{12}	17.2	X	158.34894	54.67480	240.91183	20.19468	0.1033174	0.37617466	1.9005371	21	—	
347906 2002 WT_{24}	18.1	X	227.89863	337.35140	55.58652	3.44958	0.1457730	0.29528308	2.2334540	21	5 20.2	21.2
347907 2002 WQ_{30}	16.2	X	237.13392	27.43769	66.89990	3.03092	0.0708344	0.19699949	2.9252253	21	8 29.8	20.4
347908 2002 XW_{1}	17.1	X	309.57467	263.27846	113.24557	5.76411	0.0849674	0.30438333	2.1887130	21	9 2.6	19.2
347909 2002 XL_{18}	17.6	X	254.22826	156.34416	282.17436	3.15221	0.1003824	0.30270206	2.1968098	21	8 30.9	20.2
347910 2002 XP_{52}	16.9	X	233.04536	96.28270	293.28612	23.09426	0.2689000	0.29525708	2.2335851	21	5 7.9	21.2
347911 2002 XA_{121}	16.7	X	347.31602	258.31081	125.52249	3.44475	0.1590242	0.20487162	2.8498031	21	11 4.8	19.6
347912 2002 YK_{15}	16.4	X	182.66005	200.08995	277.98439	8.82031	0.2650340	0.18776872	3.0203265	21	7 23.7	21.9
347913 2002 YL_{26}	17.4	X	229.62887	175.43745	293.45542	4.81177	0.0994071	0.30068102	2.2066428	21	9 9.3	20.4
347914 2003 AN_{3}	17.0	X	87.07264	215.35786	264.67262	22.08408	0.0630034	0.38838403	1.8604948	21	2 17.1	19.2
347915 2003 AQ_{51}	15.6	X	200.29001	40.27084	94.23007	10.07303	0.1387963	0.19113927	2.9847143	21	9 5.5	20.5
347916 2003 BO_{37}	17.8	X	162.88024	116.90801	344.19303	5.66047	0.2430622	0.28671574	2.2777271	21	6 18.6	21.6
347917 2003 BS_{39}	16.0	X	256.04773	111.41625	290.88365	8.65574	0.0959354	0.18713285	3.0271645	21	7 11.6	20.4
347918 2003 BD_{42}	16.9	X	87.28352	250.01301	304.95838	6.01493	0.1835278	0.28697447	2.2763579	21	8 2.8	19.9
347919 2003 BS_{42}	17.1	X	111.77476	293.37655	214.20772	4.25499	0.1587094	0.23222771	2.6213601	21	6 24.2	21.0
347920 2003 BX_{46}	16.9	X	237.98466	7.63089	11.23570	7.11301	0.1771381	0.29095690	2.2555387	21	5 7.7	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
347921 2003 BU_{70}	16.8	X	340.17118	229.70918	327.61791	4.11178	0.1286997	0.27110519	2.3643449	21	1 18.5	19.4
347922 2003 BA_{77}	15.7	X	118.49385	121.37890	31.86006	12.94812	0.2357468	0.17882550	3.1202047	21	7 18.9	21.0
347923 2003 BA_{91}	15.3	X	140.74268	45.11524	142.65126	23.09941	0.2058699	0.18416461	3.0596044	21	9 15.8	20.6
347924 2003 BP_{93}	15.5	X	204.55474	95.70740	317.54112	14.53012	0.0555207	0.17854487	3.1234733	21	5 29.2	20.4
347925 2003 CF_{12}	16.4	X	123.76532	345.22185	113.59241	13.17595	0.1478544	0.22842930	2.6503395	21	5 9.1	20.5
347926 2003 CH_{17}	16.2	X	231.33390	63.24260	44.30676	4.30869	0.2755992	0.18969327	2.9998631	21	8 19.4	21.2
347927 2003 DZ_{12}	17.7	X	102.82246	176.85577	5.66982	4.56878	0.1028148	0.28566721	2.2832973	21	7 26.1	20.6
347928 2003 EM	16.8	X	117.69691	127.78948	349.54278	24.56739	0.2004948	0.28244503	2.3006299	21	5 13.7	20.7
347929 2003 EG_{24}	17.6	X	137.13953	38.65495	103.54035	4.01373	0.2326723	0.28675510	2.2775187	21	7 19.9	21.2
347930 2003 EN_{27}	17.5	X	61.57716	191.10355	357.85309	3.18292	0.1007625	0.28097973	2.3086214	21	5 31.8	19.9
347931 2003 EE_{41}	15.7	X	174.95647	60.07133	84.61209	11.03514	0.1810069	0.18380719	3.0635694	21	8 24.2	21.0
347932 2003 FW_{4}	15.8	X	59.70644	74.27519	132.47919	10.49489	0.0958574	0.17463292	3.1699468	21	6 26.9	20.1
347933 2003 FF_{58}	16.1	X	189.44359	140.86609	346.09431	11.92899	0.1651265	0.18308510	3.0716192	21	8 14.4	21.1
347934 2003 FS_{59}	15.7	X	174.79938	184.21886	347.44885	11.40694	0.1379256	0.18652137	3.0337770	21	9 20.6	20.7
347935 2003 FV_{61}	16.4	X	142.80871	123.28337	71.42463	5.59570	0.1117131	0.18477101	3.0529065	21	9 21.9	21.2
347936 2003 FK_{66}	15.8	X	140.53973	135.33135	47.02061	7.67083	0.0637142	0.18165488	3.0877206	21	9 2.7	20.5
347937 2003 FR_{86}	16.8	X	46.41787	189.80844	352.32688	7.32693	0.1549465	0.27448469	2.3448981	21	4 28.1	18.9
347938 2003 FF_{94}	17.1	X	29.68475	59.92267	137.85155	5.37441	0.1675546	0.27391160	2.3481677	21	4 23.9	19.0
347939 2003 FA_{99}	17.2	X	101.26880	86.92511	58.91781	3.06804	0.1580122	0.28071450	2.3100754	21	6 7.8	20.0
347940 Jorgezuluaga	16.1	X	147.46758	106.99882	94.10309	18.89968	0.2870713	0.18389617	3.0625811	21	10 14.9	21.9
347941 2003 FQ_{130}	17.4	X	38.47090	188.84266	53.89528	7.15892	0.1200126	0.28253103	2.3001630	21	7 19.5	19.7
347942 2003 GV_{14}	17.2	X	72.76739	42.50669	141.51652	9.95318	0.1317894	0.28086528	2.3092485	21	6 18.9	19.9
347943 2003 GF_{57}	12.9	X	215.59533	139.70933	25.21670	12.91733	0.0616980	0.08297659	5.2059382	21	10 18.1	20.0
347944 2003 HO_{17}	17.1	X	27.38239	133.10409	52.09583	7.16178	0.0654741	0.27212867	2.3584129	21	3 29.3	19.6
347945 2003 HM_{23}	17.7	X	323.27019	49.72297	182.90116	1.63496	0.1345860	0.26906224	2.3762979	21	2 9.9	20.5
347946 2003 HE_{26}	16.2	X	156.33521	192.65655	333.59037	2.66610	0.0937244	0.18019198	3.1044100	21	8 27.9	20.9
347947 2003 LA	17.1	X	258.12439	134.79396	85.88238	25.52320	0.0521583	0.36286839	1.9467191	21	—	—
347948 2003 MW_{5}	16.0	X	94.09048	212.69057	118.12545	14.96654	0.2638795	0.23671923	2.5880958	21	—	—
347949 2003 OO_{15}	16.7	X	25.18890	163.49336	170.21562	14.08455	0.2680442	0.22523568	2.6753335	21	11 25.8	20.1
347950 2003 OM_{26}	16.7	X	23.53169	80.06881	294.46075	6.10138	0.1306982	0.23096556	2.6309014	21	12 24.2	19.9
347951 2003 OM_{29}	16.2	X	37.68936	221.37823	143.46018	12.72931	0.2077332	0.22972710	2.6403483	21	—	—
347952 2003 PK_{4}	16.4	X	114.59853	223.66616	91.08824	7.03658	0.1675188	0.23779371	2.5802937	21	—	—
347953 2003 QG	16.8	X	78.23916	197.87355	161.89871	4.01744	0.1911076	0.23586388	2.5943492	21	—	—
347954 2003 QV_{23}	16.5	X	115.74470	34.66359	311.45552	12.87443	0.1945023	0.24016262	2.5632981	21	—	—
347955 2003 QV_{27}	17.3	X	334.36739	81.98039	322.75271	5.33411	0.1661971	0.28018543	2.3129825	21	11 27.5	19.2
347956 2003 QP_{61}	17.6	X	183.04320	192.06989	145.34025	7.34051	0.2367693	0.30271912	2.1967273	21	1 27.7	21.0
347957 2003 QD_{77}	15.5	X	10.38815	206.35885	184.74467	18.30718	0.1930832	0.17087550	3.2162479	21	12 18.9	19.7
347958 2003 QL_{89}	16.8	X	15.42771	88.85589	264.25481	3.06824	0.1805110	0.22555451	2.6728118	21	11 18.9	19.8
347959 2003 QE_{100}	17.4	X	136.85969	20.19083	328.24126	2.92148	0.1931527	0.24271986	2.5452621	21	1 2.9	21.0
347960 2003 QX_{105}	17.1	X	301.46176	15.05621	347.86961	4.82025	0.2320806	0.26836849	2.3803914	21	6 28.8	19.7
347961 2003 RK_{1}	16.6	X	331.82353	341.61474	54.51440	11.51552	0.4008685	0.21863117	2.7289442	21	10 20.4	17.5
347962 2003 RC_{5}	17.6	X	2.69581	93.73195	325.50798	15.58355	0.0813919	0.34170138	2.0263054	21	—	—
347963 2003 RB_{8}	16.1	X	46.82692	88.24991	284.04821	12.79058	0.3039302	0.22829632	2.6513686	21	—	—
347964 2003 RE_{8}	16.0	X	56.70208	121.40337	216.89282	12.09702	0.2839167	0.22801895	2.6535183	21	—	—
347965 2003 RZ_{9}	16.4	X	48.07099	220.50582	134.47228	10.51963	0.2658870	0.22810255	2.6528699	21	—	—
347966 2003 RG_{24}	16.9	X	18.39831	100.70235	318.09849	5.12955	0.2786345	0.23031316	2.6358673	21	—	—
347967 2003 SU_{25}	17.4	X	42.31411	18.46666	24.33531	2.49474	0.2147782	0.23212022	2.6221693	21	—	—
347968 2003 SD_{31}	17.7	X	17.55959	208.49550	196.25622	5.86125	0.2169431	0.28274352	2.2990104	21	—	—
347969 2003 SK_{33}	15.5	X	68.47827	273.75876	120.22053	4.58705	0.3307943	0.12388832	3.9851910	21	1 17.8	20.2
347970 2003 SL_{42}	15.5	X	51.88962	77.95989	261.49626	10.07579	0.2428521	0.17389129	3.1789534	21	12 20.2	20.1
347971 2003 SN_{44}	16.5	X	15.42722	171.79211	209.10669	7.64973	0.2532363	0.22572117	2.6714960	21	—	—
347972 2003 SW_{44}	16.5	X	51.29344	192.50244	191.84591	11.76371	0.1869456	0.23167709	2.6255119	21	—	—
347973 2003 SM_{60}	15.6	X	105.60859	47.01620	343.08632	8.85294	0.1821816	0.18614460	3.0378693	21	1 29.2	19.8
347974 2003 SR_{61}	16.7	X	77.12148	343.85131	8.16777	14.64502	0.2646349	0.23333612	2.6130521	21	—	—
347975 2003 SU_{63}	16.4	X	28.67973	223.19679	143.13598	14.29494	0.2725791	0.22570589	2.6716165	21	—	—
347976 2003 SM_{70}	16.7	X	84.15552	166.69986	166.45552	5.60118	0.2300021	0.23169923	2.6253447	21	—	—
347977 2003 SE_{80}	16.4	X	51.57688	135.19343	250.98050	9.57025	0.1888586	0.23298870	2.6156491	21	—	—
347978 2003 SY_{86}	16.9	X	103.11231	317.17066	53.50190	5.79922	0.1945905	0.23891010	2.5722492	21	—	—
347979 2003 SZ_{90}	16.2	X	8.07944	59.78609	5.14853	14.53371	0.0481978	0.23253085	2.6190814	21	—	—
347980 2003 SQ_{91}	17.1	X	345.00161	265.39466	194.91211	11.07257	0.2677360	0.22925430	2.6439773	21	—	—
347981 2003 SM_{95}	17.0	X	97.14065	333.56467	348.09402	9.70042	0.1686026	0.28688958	2.2768069	21	—	—
347982 2003 SG_{98}	17.3	X	337.39298	191.92812	236.65864	8.01819	0.3217740	0.22337344	2.6901822	21	—	—
347983 2003 SB_{99}	15.9	X	271.76271	89.65485	292.68318	13.69365	0.1471844	0.21097881	2.7945389	21	6 28.5	19.8
347984 2003 SZ_{106}	16.7	X	31.79503	129.29458	230.89660	5.31184	0.1522482	0.28089725	2.3090733	21	12 31.2	19.6
347985 2003 SQ_{108}	16.4	X	279.72059	47.71779	350.01530	6.33961	0.2861726	0.21146261	2.7902749	21	7 8.7	20.4
347986 2003 SP_{115}	16.5	X	77.35821	259.55682	80.46573	8.41870	0.2094868	0.23230837	2.6207533	21	—	—
347987 2003 SY_{116}	16.9	X	23.42344	75.12334	310.16759	11.64018	0.2942297	0.22736730	2.6585860	21	—	—
347988 2003 SJ_{123}	16.7	X	22.89855	71.48490	351.32018	13.28989	0.1960435	0.23125470	2.6287079	21	—	—
347989 2003 SH_{134}	17.5	X	53.44012	110.73330	235.38248	4.87680	0.2771194	0.22956892	2.6415611	21	—	—
347990 2003 SO_{136}	17.3	X	188.35798	300.75720	128.14623	3.35287	0.1833602	0.25831475	2.4417615	21	5 30.3	21.2
347991 2003 SR_{144}	16.6	X	63.18631	115.82110	244.47543	10.77465	0.2114392	0.23061876	2.6335382	21	—	—
347992 2003 SB_{148}	17.5	X	97.82366	282.70364	37.38674	6.48470	0.2094468	0.28949505	2.2631254	21	—	—
347993 2003 SD_{165}	16.4	X	61.82636	324.86851	27.99542	16.16542	0.2258205	0.22904784	2.6455659	21	—	—
347994 2003 SL_{165}	15.9	X	315.82216	156.31232	201.18809	25.98918	0.2614695	0.21255582	2.7806994	21	7 6.2	19.6
347995 2003 SZ_{177}	17.0	X	86.92684	83.31076	306.47819	5.75171	0.1364275	0.23762395	2.5815225	21	—	—
347996 2003 SS_{194}	17.2	X	38.59923	80.76358	320.04104	5.37729	0.2069753	0.23036538	2.6354690	21	—	—
347997 2003 SH_{207}	16.7	X	68.16907	342.57546	26.47362	4.55367	0.2266391	0.23133858	2.6280725	21	—	—
347998 2003 SA_{209}	16.4	X	63.20744	35.11755	316.83459	12.92387	0.2727657	0.23300997	2.6154899	21	—	—
347999 2003 SP_{209}	16.9	X	68.62790	120.91147	199.85462	8.75909	0.2292157	0.22853479	2.6495238	21	12 22.5	21.1
348000 2003 SK_{210}	17.6	X	71.64500	7.28966	27.93600	3.53163	0.2176020	0.29091259	2.2557677	21	—	—