Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380001 2013 EM_{32}	17.0	X	34.47551	286.58678	162.35539	5.41290	0.2180704	0.22748095	2.6577004	21	—	—
380002 2013 EV_{96}	16.7	X	229.83835	78.30578	147.84291	3.25089	0.1889460	0.20519168	2.8468389	21	—	—
380003 2013 GD_{45}	16.8	X	283.02892	308.75172	196.37500	1.56548	0.0424065	0.19403810	2.9549130	21	12 31.2	20.8
380004 2013 GS_{95}	17.9	X	107.89689	92.05377	190.66061	2.49636	0.2141022	0.29557142	2.2320012	21	12 19.7	21.6
380005 2013 GG_{103}	16.0	X	267.45882	127.09024	344.33707	9.57643	0.0725108	0.18540216	3.0459740	21	10 21.2	20.4
380006 2013 GZ_{109}	17.0	X	54.29624	84.29172	26.27012	5.14749	0.0774838	0.22963138	2.6410820	21	2 3.9	20.2
380007 2013 JE_{44}	17.6	X	329.51361	247.42380	177.77273	6.27777	0.0734511	0.30436324	2.1888092	21	12 21.7	19.9
380008 2013 NT_{6}	16.5	X	92.27974	311.96585	16.96385	12.26693	0.3240565	0.28438974	2.2901298	21	—	—
380009 2013 OS_{6}	16.5	X	130.16867	215.08266	205.56295	8.97942	0.0648974	0.19945781	2.9011400	21	3 14.2	20.8
380010 2013 OG_{8}	16.3	X	333.82693	40.78407	256.27679	11.06913	0.1827325	0.23152606	2.6266536	21	5 29.2	18.9
380011 2013 PH_{2}	16.2	X	268.83255	129.10495	167.59765	9.29865	0.1406832	0.21124079	2.7922279	21	3 7.7	20.2
380012 2013 PN_{11}	17.4	X	39.66412	160.53771	156.86508	1.79790	0.1801073	0.25984834	2.4321448	21	11 15.3	20.2
380013 2013 PX_{28}	17.2	X	356.48117	113.97280	187.66404	1.55725	0.1273785	0.24267404	2.5455824	21	7 26.6	19.6
380014 2013 PS_{36}	16.9	X	297.47012	27.30713	280.91951	3.82171	0.1325491	0.22196516	2.7015489	21	4 23.4	20.6
380015 2013 PA_{49}	15.8	X	206.70465	309.93872	306.70950	8.22913	0.0990270	0.17514222	3.1637985	21	—	—
380016 2013 PX_{60}	16.1	X	264.97534	244.25780	116.43551	2.88921	0.2302146	0.21703846	2.7422786	21	5 12.9	20.4
380017 2013 PP_{69}	16.8	X	281.89596	47.30779	312.73220	12.30765	0.2787913	0.22864206	2.6486951	21	5 19.4	20.9
380018 2013 PB_{70}	17.4	X	109.08279	291.05471	344.94044	1.54708	0.1935953	0.27575734	2.3376778	21	12 8.8	21.2
380019 2013 PY_{73}	17.5	X	69.30200	185.58857	134.75651	3.27269	0.1780789	0.26830794	2.3807495	21	12 24.4	20.9
380020 2013 PL_{74}	16.6	X	270.18186	130.08728	210.86508	14.58152	0.1133478	0.21674272	2.7447726	21	5 7.6	20.4
380021 2013 QD_{2}	17.1	X	307.67385	17.53436	342.91038	6.35438	0.1749409	0.23617711	2.5920548	21	7 17.3	20.0
380022 2013 QH_{3}	16.8	X	275.11890	163.46841	168.10925	12.80894	0.1508390	0.22165366	2.7040794	21	4 28.3	20.8
380023 2013 QL_{16}	17.4	X	1.55236	99.96412	211.62601	5.40758	0.1726464	0.24465869	2.5317974	21	8 22.2	19.8
380024 2013 QN_{18}	15.6	X	55.65026	39.50942	337.06782	11.43032	0.1054277	0.15786691	3.3905902	21	—	—
380025 2013 QQ_{21}	16.7	X	319.15778	170.11355	97.41518	6.23530	0.1198850	0.21692883	2.7432025	21	4 7.2	20.2
380026 2013 QT_{26}	17.8	X	105.44755	303.00079	57.55675	4.08789	0.1780511	0.29186255	2.2508703	21	—	—
380027 2013 QF_{33}	15.9	X	3.52342	264.62583	215.26350	8.39813	0.0550996	0.17553253	3.1591068	21	—	—
380028 2013 QZ_{42}	16.4	X	292.54737	7.02450	285.73871	7.65366	0.1763553	0.21472217	2.7619647	21	3 19.8	20.5
380029 2013 QE_{50}	17.3	X	189.50645	53.55339	286.37541	4.79517	0.2207503	0.31178241	2.1539468	21	2 2.8	20.7
380030 2013 QR_{57}	17.1	X	35.93628	270.64230	39.70835	2.65980	0.2181790	0.25713395	2.4492311	21	11 5.4	19.8
380031 2013 QK_{62}	17.0	X	28.05741	206.38425	111.44034	2.36862	0.1908904	0.25782864	2.4448297	21	10 31.6	19.7
380032 2013 QD_{69}	16.1	X	324.93696	23.90613	337.37963	28.55841	0.1659095	0.23839722	2.5759371	21	8 25.0	18.5
380033 2013 QX_{94}	15.8	X	106.64388	234.27907	161.46797	8.87641	0.0789739	0.17395325	3.1781984	21	1 22.0	20.3
380034 2013 RE_{2}	17.3	X	78.37354	121.18302	169.93863	8.95809	0.1142718	0.26717274	2.3874885	21	11 21.9	20.8
380035 2013 RG_{14}	17.2	X	325.94651	149.11345	172.93013	9.77202	0.1633586	0.23512026	2.5998164	21	6 23.6	20.2
380036 2013 RF_{25}	16.1	X	211.12618	101.97137	195.91400	14.01869	0.0432193	0.17683602	3.1435635	21	1 16.9	21.0
380037 2013 RW_{25}	16.7	X	40.21138	177.56014	162.65827	6.53118	0.1764913	0.26266090	2.4147514	21	12 16.2	19.9
380038 2013 RF_{26}	16.1	X	289.55857	191.66861	181.25379	29.04660	0.1041638	0.23305767	2.6151330	21	7 13.6	20.2
380039 2013 RE_{27}	17.6	X	92.41587	62.61121	5.69132	5.79822	0.1338713	0.30167983	2.2017696	21	1 25.9	19.7
380040 2013 RC_{35}	16.1	X	216.73849	104.23095	241.86935	9.68961	0.1616895	0.20133212	2.8831064	21	3 13.4	21.0
380041 2013 RH_{35}	16.8	X	111.26810	120.29666	151.57212	6.81628	0.1145885	0.26356425	2.4092307	21	12 1.7	20.5
380042 2013 RL_{36}	17.1	X	51.83654	147.19497	180.37771	2.42432	0.2054942	0.26435865	2.4044018	21	12 17.6	20.4
380043 2013 RK_{37}	18.0	X	310.63768	12.56673	357.78903	18.24733	0.0838382	0.36462880	1.9404483	21	9 4.6	19.4
380044 2013 RD_{39}	16.6	X	239.36140	4.37637	1.84271	4.46459	0.0906166	0.21245111	2.7816131	21	5 5.2	20.8
380045 2013 RH_{47}	18.0	X	121.18777	147.58554	184.38988	5.82963	0.1358651	0.28744620	2.2738667	21	—	—
380046 2013 RH_{58}	16.6	X	207.96881	217.88372	286.47013	3.89159	0.0468159	0.25069895	2.4909655	21	10 2.3	20.1
380047 2013 RU_{60}	17.7	X	161.71551	358.32783	347.00782	5.19251	0.1957820	0.30342355	2.1933260	21	1 15.5	20.8
380048 2013 RN_{68}	16.8	X	222.82045	19.54813	10.18638	4.89489	0.1719653	0.21169978	2.7881905	21	5 12.4	21.4
380049 2013 RQ_{68}	17.6	X	312.83160	11.69442	32.38052	2.31596	0.1207469	0.24769114	2.5110907	21	10 7.6	20.1
380050 2013 RM_{69}	15.7	X	117.64748	353.54541	67.34607	10.77124	0.0588204	0.18426255	3.0585201	21	3 8.8	20.2
380051 2013 RC_{72}	17.4	X	330.75550	110.10073	223.03174	3.02236	0.0938197	0.23602920	2.5931376	21	7 26.3	20.2
380052 2013 RR_{72}	16.3	X	91.61700	11.98497	195.01134	13.92012	0.0475304	0.22895035	2.6463168	21	7 30.3	20.2
380053 2013 RU_{72}	15.1	X	262.50461	328.65090	304.36250	10.44091	0.0565707	0.18023727	3.1038900	21	2 11.8	19.7
380054 2013 RN_{73}	16.4	X	8.78593	310.20257	328.44169	12.66832	0.3199652	0.23598270	2.5934783	21	8 4.6	17.7
380055 2013 RV_{74}	16.5	X	182.80519	202.81502	201.91511	8.23585	0.2178012	0.20061091	2.8900122	21	4 28.7	21.4
380056 2013 RW_{74}	17.0	X	231.19955	25.71805	343.52590	3.83444	0.0809429	0.21166407	2.7885041	21	4 30.7	21.2
380057 2013 RF_{81}	16.5	X	218.95323	143.51496	229.42984	0.98415	0.0953819	0.20710722	2.8292581	21	4 22.9	20.8
380058 2013 RB_{82}	17.1	X	286.54117	176.93006	193.91531	15.69613	0.2090997	0.23053620	2.6341669	21	6 21.1	21.0
380059 2013 RU_{83}	17.8	X	320.38105	241.25169	320.80210	6.16066	0.0331797	0.30806022	2.1712623	21	1 3.4	20.3
380060 2013 RG_{92}	16.3	X	169.58016	352.38780	357.50913	6.92388	0.1128047	0.18001427	3.1064528	21	2 10.8	21.1
380061 2013 RE_{94}	15.3	X	129.22824	185.18631	192.62501	17.72928	0.2238023	0.17407784	3.1766818	21	2 10.2	20.5
380062 2013 SC_{10}	16.6	X	253.99838	206.47845	185.40725	10.77754	0.2040312	0.22378468	2.6868855	21	6 12.8	20.9
380063 2013 SO_{15}	16.6	X	122.57359	270.89706	187.92218	1.77644	0.0466580	0.20094362	2.8868213	21	4 21.9	20.6
380064 2013 SS_{18}	16.1	X	166.65680	187.64512	144.89379	4.44175	0.1654716	0.17853026	3.1236437	21	1 20.6	21.1
380065 2013 SE_{22}	17.0	X	319.94591	97.15441	198.78132	3.43663	0.0653746	0.21852884	2.7297961	21	5 21.8	20.4
380066 2013 SQ_{22}	16.7	X	296.35358	125.88899	270.52313	4.21063	0.0770091	0.23489971	2.6014435	21	8 30.7	20.0
380067 2013 ST_{25}	16.4	X	269.21822	139.28575	242.59236	5.01121	0.0475357	0.22160400	2.7044834	21	7 8.0	20.0
380068 2013 SK_{26}	15.3	X	123.28173	348.41404	52.99888	16.31332	0.0448443	0.17666479	3.1455943	21	2 21.4	20.1
380069 2013 SK_{27}	16.1	X	109.80488	8.87178	214.27547	14.22835	0.0464952	0.24237056	2.5477069	21	9 14.1	19.8
380070 2013 SG_{28}	16.8	X	267.47893	66.70781	9.93768	11.50591	0.1709177	0.23471769	2.6027882	21	9 4.5	20.2
380071 2013 ST_{29}	16.5	X	247.57479	309.26263	79.13304	3.13256	0.0931788	0.21718539	2.7410417	21	6 13.4	20.5
380072 2013 SV_{29}	17.0	X	318.52453	296.18090	71.33882	4.31574	0.1877747	0.23611890	2.5924808	21	8 16.6	19.5
380073 2013 SK_{30}	16.2	X	42.20699	138.18866	168.52973	15.30983	0.1121587	0.24385242	2.5373751	21	10 24.9	19.5
380074 2013 SN_{31}	16.8	X	299.04792	291.55342	71.04781	13.28272	0.2852933	0.23018394	2.6368537	21	6 14.7	20.2
380075 2013 SR_{31}	17.0	X	19.38832	317.25002	43.63655	9.53834	0.2299841	0.25898923	2.4375204	21	12 21.9	19.9
380076 2013 SF_{33}	15.6	X	109.69807	311.80541	106.83242	10.35483	0.0659376	0.17996824	3.1069825	21	2 23.3	20.1
380077 2013 SR_{36}	17.0	X	241.99743	201.43917	186.30095	3.70662	0.1734037	0.21916986	2.7244708	21	5 29.6	21.2
380078 2013 SL_{37}	17.3	X	32.69846	214.32402	135.20731	2.99841	0.1507209	0.26207623	2.4183415	21	12 14.3	20.1
380079 2013 SY_{39}	17.2	X	328.82510	64.27583	275.63497	5.30327	0.1581592	0.23780529	2.5802099	21	7 26.6	19.6
380080 2013 SH_{40}	17.0	X	95.63111	315.66762	17.14131	23.27374	0.2539896	0.27770920	2.3267115	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380081 2013 SQ_{40}	17.6	X	71.69581	101.01883	208.99926	19.60662	0.0766298	0.38033952	1.8866373	21	12 22.7	20.2
380082 2013 SS_{40}	16.4	X	34.23371	99.23096	200.46601	8.16083	0.1585430	0.23826184	2.5769128	21	10 5.7	19.3
380083 2013 SA_{44}	15.8	X	196.11989	312.12488	329.24180	8.22410	0.0645113	0.17277258	3.1926612	21	—	—
380084 2013 SK_{48}	16.3	X	223.51272	289.67455	107.73902	6.06505	0.0579456	0.21258139	2.7804765	21	6 1.3	20.3
380085 2013 SA_{51}	16.4	X	221.57553	335.78524	49.91699	2.76790	0.0970079	0.20726465	2.8278251	21	5 11.7	20.7
380086 2013 SE_{51}	16.5	X	274.73276	178.98087	178.50076	9.54455	0.1457226	0.21820978	2.7324564	21	5 30.9	20.5
380087 2013 SJ_{51}	16.2	X	281.49781	25.45079	27.31026	32.89069	0.1735270	0.23422335	2.6064492	21	9 10.9	20.2
380088 2013 SU_{51}	17.8	X	175.94759	193.37131	171.74383	4.53702	0.0757604	0.31333535	2.1468241	21	2 9.9	20.5
380089 2013 SG_{52}	16.6	X	279.86683	309.07064	74.18576	12.42151	0.1046394	0.22623548	2.6674456	21	7 17.4	20.2
380090 2013 SW_{54}	18.1	X	206.80656	273.32931	4.28572	4.18839	0.1693368	0.30353388	2.1927945	21	—	—
380091 2013 SH_{57}	17.8	X	148.23888	90.28621	252.85192	6.40611	0.2541294	0.30086910	2.2057231	21	1 4.0	20.8
380092 2013 SG_{59}	17.1	X	13.20484	331.15179	67.18269	7.95669	0.2225635	0.26403550	2.4063632	21	—	—
380093 2013 TS	16.4	X	206.81842	167.57830	205.59719	15.33970	0.1712186	0.20330887	2.8643879	21	4 9.3	21.1
380094 2013 TB_{1}	16.2	X	337.20101	334.94805	282.44400	6.66719	0.1368887	0.21222912	2.7835524	21	4 12.8	19.7
380095 2013 TK_{3}	16.4	X	283.11710	223.26109	159.48812	10.22059	0.1342206	0.22789141	2.6545082	21	7 14.5	20.1
380096 2013 TR_{6}	17.4	X	13.15517	84.74080	291.59365	2.38193	0.0831420	0.26219734	2.4175968	21	12 11.7	20.3
380097 2013 TW_{6}	15.8	X	140.58130	149.42740	205.55109	13.45323	0.1058012	0.17408308	3.1766181	21	1 14.3	20.8
380098 2013 TW_{7}	15.6	X	219.76360	204.10841	97.98602	3.37743	0.0527475	0.17929530	3.1147518	21	2 2.8	20.3
380099 2013 TT_{8}	17.4	X	302.84672	135.13730	190.51929	0.61860	0.2869123	0.22720948	2.6598169	21	5 1.1	20.9
380100 2013 TP_{10}	17.5	X	58.02117	3.82393	331.78541	2.09717	0.2017249	0.26427932	2.4048829	21	—	—
380101 2013 TP_{11}	16.0	X	250.67595	258.96079	116.60880	5.06100	0.0869354	0.21444828	2.7643159	21	6 1.9	20.0
380102 2013 TX_{11}	16.4	X	245.24785	187.22690	202.69104	10.87915	0.1526094	0.22005941	2.7171238	21	6 6.6	20.6
380103 2013 TD_{14}	17.6	X	9.39428	280.74780	21.80958	21.27768	0.0271820	0.36004329	1.9568892	21	9 8.3	19.8
380104 2013 TV_{18}	16.2	X	143.07548	119.05004	228.52256	7.71165	0.2145510	0.17306062	3.1891176	21	1 20.1	21.4
380105 2013 TS_{23}	16.5	X	318.09794	16.81318	304.30483	3.31823	0.1067134	0.21980691	2.7192042	21	6 16.8	19.6
380106 2013 TB_{25}	17.1	X	85.12486	285.83809	19.12295	7.06030	0.1788387	0.26227489	2.4171201	21	12 19.6	20.9
380107 2013 TD_{30}	16.2	X	178.15719	268.30980	204.07642	7.55477	0.0800672	0.21337411	2.7735856	21	7 13.7	20.5
380108 2013 TR_{30}	16.9	X	327.59386	189.97189	177.75708	4.23196	0.1847073	0.23675844	2.5878101	21	9 3.4	19.0
380109 2013 TS_{32}	17.4	X	287.26545	159.28117	172.00139	4.82998	0.2842002	0.22607679	2.6686937	21	4 21.9	21.3
380110 2013 TF_{36}	16.5	X	227.11876	202.12251	178.69382	6.05386	0.0722855	0.21078643	2.7962390	21	5 14.5	20.7
380111 2013 TO_{43}	17.4	X	144.56824	154.13767	205.45963	7.11630	0.1594768	0.29964245	2.2117387	21	1 8.1	20.2
380112 2013 TR_{46}	16.8	X	176.73859	68.52615	342.95464	1.24295	0.0664822	0.19963652	2.8994084	21	4 26.3	20.9
380113 2013 TH_{51}	17.8	X	217.65861	267.72201	24.11277	7.18998	0.1501749	0.30942968	2.1648513	21	—	—
380114 2013 TN_{65}	16.1	X	95.51555	251.17814	192.57905	9.95487	0.0920018	0.18769497	3.0211176	21	3 6.1	20.4
380115 1994 UJ_{8}	16.5	X	243.76865	35.46521	13.94615	5.98180	0.0216295	0.21109030	2.7935548	21	7 17.3	20.4
380116 1995 OH_{5}	18.0	X	68.36043	256.55680	140.41296	3.30275	0.2103004	0.27870444	2.3211691	21	—	—
380117 1995 SJ_{40}	17.0	X	283.66114	35.98283	352.98101	10.14153	0.2245524	0.22402726	2.6849455	21	7 12.6	20.7
380118 1995 UJ_{12}	16.9	X	55.29568	102.22042	210.83588	4.83047	0.1053478	0.22970577	2.6405118	21	11 13.5	20.3
380119 1995 VS_{17}	17.0	X	206.37863	212.88202	267.79280	0.81895	0.1712721	0.21884297	2.7271832	21	8 20.1	21.4
380120 1995 YQ_{4}	15.9	X	344.92513	278.56071	67.24625	13.44339	0.2874224	0.22493564	2.6777120	21	9 18.5	18.0
380121 1996 AH_{12}	18.2	X	345.47694	277.71393	181.65966	5.92535	0.1721636	0.26738013	2.3862538	21	—	—
380122 1996 AZ_{15}	17.4	X	147.38983	181.79052	107.95032	9.12515	0.1187344	0.26578558	2.3957883	21	—	—
380123 1996 RL_{7}	18.0	X	149.45184	34.24087	355.63899	2.88439	0.1613451	0.29746942	2.2224969	21	2 25.9	20.8
380124 1996 RW_{10}	17.6	X	47.71393	271.59269	26.73673	1.56372	0.1401381	0.23973404	2.5663521	21	10 21.5	20.9
380125 1996 UC_{1}	18.2	X	10.58113	341.68624	26.28948	6.77953	0.3684195	0.27949828	2.3167720	21	—	—
380126 1996 XU_{4}	16.3	X	108.58878	132.44467	318.61557	5.65279	0.1918001	0.17523929	3.1626300	21	4 14.2	21.1
380127 1997 WW_{9}	17.6	X	98.69937	20.41879	85.27876	4.20555	0.0797882	0.30862420	2.1686164	21	3 23.8	19.9
380128 1997 WB_{21}	20.1	X	163.72442	81.92551	280.99536	3.38995	0.3170254	0.55888444	1.4596701	21	—	—
380129 1998 HB_{7}	16.2	X	268.74860	93.46760	45.67886	28.68842	0.2136608	0.23915357	2.5705032	21	11 16.2	19.3
380130 1998 RS_{53}	17.0	X	74.60711	75.68278	298.03505	4.02629	0.2551191	0.26942325	2.3741747	21	—	—
380131 1998 SZ_{77}	16.7	X	228.09739	195.07061	185.10427	7.85998	0.3295475	0.20228056	2.8740873	21	4 30.8	22.0
380132 1998 TL_{3}	16.7	X	60.36316	180.36928	188.83924	11.96491	0.2610215	0.26660984	2.3908478	21	—	—
380133 1998 UX_{24}	20.0	X	33.99835	16.56139	25.50451	14.11118	0.2856540	0.39627368	1.8357177	21	—	—
380134 1999 JX_{11}	16.5	X	230.76263	199.53890	73.87520	25.50835	0.2480050	0.29800782	2.2198192	21	—	—
380135 1999 RL_{7}	16.7	X	275.88625	26.72948	5.02446	9.41504	0.2142841	0.21788800	2.7351459	21	7 7.0	20.6
380136 1999 RQ_{58}	16.1	X	298.86457	62.49767	322.78441	12.24285	0.2330328	0.22174590	2.7033295	21	7 28.4	19.2
380137 1999 RK_{207}	16.0	X	302.57409	5.47646	331.69261	13.96618	0.2122736	0.21673714	2.7448197	21	5 25.6	19.9
380138 1999 TO_{30}	17.9	X	94.87333	213.42887	201.75655	5.73430	0.2686735	0.28696517	2.2764071	21	2 2.8	20.0
380139 1999 TS_{78}	17.3	X	262.57689	202.78165	171.88993	2.23111	0.2604597	0.21488412	2.7605768	21	5 24.6	21.7
380140 1999 TH_{119}	16.4	X	250.16306	221.86201	191.30962	7.91823	0.2895222	0.21563272	2.7541840	21	6 26.6	21.0
380141 1999 TO_{239}	16.1	X	301.74180	333.03276	46.70654	13.52559	0.1879378	0.21899022	2.7259606	21	8 5.3	19.6
380142 1999 TT_{321}	17.2	X	240.15261	25.92635	32.85452	3.35824	0.1035386	0.21486584	2.7607334	21	7 14.0	21.3
380143 1999 UH_{3}	16.0	X	215.47616	109.81458	41.74073	22.27653	0.3586654	0.21690004	2.7434452	21	10 2.4	21.2
380144 1999 UX_{9}	16.2	X	97.66866	141.19528	263.08521	22.25829	0.2662479	0.28542772	2.2845743	21	1 17.4	18.6
380145 1999 UH_{31}	17.5	X	246.55745	12.77288	77.48367	2.60440	0.2755830	0.21733640	2.7397719	21	8 11.5	21.9
380146 1999 UD_{48}	16.6	X	268.46208	21.71341	0.48958	8.12457	0.2401527	0.21534730	2.7566170	21	6 9.9	20.9
380147 1999 UR_{60}	16.5	X	273.27896	68.50776	309.17425	13.75982	0.3646685	0.21538198	2.7563211	21	5 24.4	21.3
380148 1999 VD_{18}	16.2	X	225.83904	78.46873	22.90842	9.31872	0.0889495	0.21739557	2.7392748	21	8 27.3	20.2
380149 1999 VK_{79}	16.7	X	274.68698	203.76898	201.42115	2.94735	0.1795337	0.21702244	2.7424136	21	7 26.3	20.3
380150 1999 VG_{125}	16.3	X	202.55911	71.62626	42.97169	9.85559	0.1269441	0.21439132	2.7648055	21	8 15.9	20.7
380151 1999 VN_{202}	16.7	X	282.46367	206.63997	201.22497	2.76955	0.1533800	0.21829686	2.7317297	21	8 13.7	20.3
380152 1999 YO_{4}	16.5	X	79.53574	66.11146	343.01107	23.13533	0.3039097	0.28247260	2.3004802	21	1 8.1	18.6
380153 2000 AV_{39}	17.3	X	31.10222	35.15989	91.18619	6.79235	0.1079628	0.28120276	2.3074006	21	—	—
380154 2000 AO_{49}	16.3	X	11.00183	186.20148	293.75211	26.21715	0.2044059	0.27680254	2.3317895	21	—	—
380155 2000 AO_{146}	16.0	X	344.02379	226.58784	278.75313	22.45613	0.2183745	0.27576940	2.3376097	21	—	—
380156 2000 BX_{20}	17.3	X	64.40922	296.54691	133.60449	5.31717	0.2065192	0.27835004	2.3231390	21	—	—
380157 2000 BW_{21}	17.3	X	289.35949	187.36301	319.45728	3.79685	0.0633610	0.26848926	2.3796775	21	—	—
380158 2000 EJ_{51}	17.3	X	117.07990	319.37289	190.55017	1.74389	0.1622540	0.19821872	2.9132177	21	7 3.6	21.8
380159 2000 HR_{49}	16.4	X	108.71276	249.69063	41.82777	10.86712	0.2010642	0.25283999	2.4768833	21	12 24.0	20.6
380160 2000 JO_{78}	17.7	X	217.07329	349.99695	310.53599	7.33122	0.4369897	0.31200404	2.1529267	21	1 14.1	22.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380161 2000 LD_{16}	16.8	X	348.66335	59.97556	255.61629	5.95074	0.4696790	0.23405866	2.6076717	21	6 29.1	16.5
380162 2000 PB_{9}	16.0	X	42.34492	304.73921	31.99884	12.73449	0.3058797	0.24327290	2.5414031	21	12 27.6	19.9
380163 2000 QG_{59}	16.9	X	336.56044	357.12334	7.85229	6.50055	0.3695367	0.23519303	2.5992801	21	9 12.3	17.6
380164 2000 QF_{73}	16.2	X	8.77282	22.12428	332.89557	12.78082	0.1785477	0.23911304	2.5707936	21	11 7.3	19.2
380165 2000 QK_{82}	16.9	X	19.48997	172.79072	182.16918	3.54974	0.2519034	0.24026320	2.5625826	21	12 13.8	19.7
380166 2000 QM_{115}	16.8	X	22.18908	76.40600	270.97598	4.03417	0.3061865	0.24010749	2.5636904	21	12 16.3	19.7
380167 2000 QF_{137}	16.0	X	70.99328	94.42385	203.49768	12.24395	0.1863631	0.24326046	2.5414898	21	11 26.1	19.8
380168 2000 QQ_{168}	15.8	X	2.00585	29.47173	331.01322	14.43852	0.2077323	0.23810876	2.5780172	21	11 4.9	18.7
380169 2000 QD_{195}	17.1	X	18.18623	269.33961	83.19389	4.09112	0.2331120	0.24066199	2.5597510	21	12 5.4	19.8
380170 2000 QJ_{210}	17.0	X	5.65506	13.36608	323.58233	2.46953	0.2298500	0.23686652	2.5870229	21	10 17.2	19.2
380171 2000 RK_{20}	16.9	X	4.19647	125.71277	187.39367	12.78140	0.2876815	0.23452097	2.6042436	21	9 12.0	18.8
380172 2000 RF_{96}	16.0	X	45.96365	65.45446	244.62801	13.65233	0.2198024	0.23961506	2.5672016	21	11 15.4	19.3
380173 2000 SB_{11}	16.6	X	322.25969	208.47455	188.38715	17.90692	0.1893145	0.23608856	2.5927029	21	10 8.0	18.8
380174 2000 SW_{17}	16.9	X	330.65922	145.62942	222.84321	4.85654	0.2561418	0.23365372	2.6106836	21	9 3.0	18.8
380175 2000 SY_{29}	16.9	X	334.23992	181.65431	181.36535	6.90619	0.2214512	0.23422830	2.6064124	21	9 8.4	18.9
380176 2000 SC_{30}	17.6	X	163.84133	47.70968	347.37133	3.93174	0.1490527	0.30989684	2.1626751	21	3 16.8	20.7
380177 2000 SO_{51}	16.4	X	317.19561	157.50583	275.79565	3.59565	0.2658326	0.23791121	2.5794441	21	11 15.7	18.0
380178 2000 SO_{91}	16.4	X	0.89823	135.53356	213.84465	12.92398	0.2099436	0.23718065	2.5847381	21	10 24.1	18.5
380179 2000 SL_{114}	17.0	X	333.19584	329.67142	30.17905	4.94461	0.2670993	0.23261096	2.6184800	21	8 31.1	18.8
380180 2000 SQ_{138}	16.5	X	344.01062	141.89549	199.90007	12.48704	0.3134383	0.23345696	2.6121503	21	8 23.1	18.3
380181 2000 SJ_{149}	16.9	X	327.81992	339.86178	20.58611	3.64786	0.3065212	0.23200200	2.6230601	21	8 8.7	18.6
380182 2000 SN_{157}	16.8	X	308.04869	64.77164	344.39250	10.09792	0.2611435	0.23328468	2.6134362	21	9 12.8	19.3
380183 2000 SH_{284}	17.2	X	344.69279	116.63774	224.66952	11.62289	0.2845479	0.23344136	2.6122667	21	8 23.9	19.3
380184 2000 SE_{291}	16.9	X	318.24241	150.18987	274.85381	2.44757	0.2899391	0.23560181	2.5962726	21	11 1.4	18.6
380185 2000 SD_{295}	16.0	X	327.94645	145.85522	241.77169	13.02136	0.2901351	0.23200665	2.6230250	21	9 19.7	18.2
380186 2000 ST_{311}	16.5	X	300.57465	87.05145	304.69903	16.02625	0.3112862	0.23084735	2.6317994	21	7 25.2	19.2
380187 2000 WH_{2}	16.5	X	317.52104	65.20651	319.59182	28.40653	0.3767320	0.23131712	2.6282350	21	8 7.6	18.4
380188 2000 WC_{67}	18.6	X	220.39200	250.59017	250.54515	9.90871	0.5805641	0.22431296	2.6826651	21	8 28.5	24.4
380189 2000 WA_{70}	16.5	X	308.63860	149.66729	261.06536	12.99530	0.2912555	0.23179876	2.6245930	21	9 3.1	19.2
380190 2000 WL_{80}	17.2	X	276.40025	41.48799	37.66879	5.78558	0.2691510	0.22873820	2.6479529	21	9 2.9	20.7
380191 2000 WK_{93}	16.9	X	298.43181	130.04540	257.25095	5.42154	0.3020521	0.22782070	2.6550575	21	7 15.5	19.9
380192 2000 WM_{134}	16.4	X	299.07494	40.12722	32.89707	13.45101	0.1325558	0.23266928	2.6180424	21	10 21.3	19.3
380193 2000 WC_{172}	16.4	X	253.63293	7.86203	93.64169	16.92531	0.2446282	0.22855559	2.6493631	21	9 13.3	20.6
380194 2000 WJ_{172}	16.7	X	293.42876	281.55229	122.94573	12.29123	0.3031469	0.22905147	2.6455379	21	8 2.3	19.9
380195 2000 XE_{16}	16.2	X	307.23215	24.31913	13.75940	14.16682	0.2556891	0.23046476	2.6347113	21	9 2.2	19.0
380196 2000 XH_{20}	15.3	X	295.74215	75.31088	300.62917	11.65556	0.3243421	0.22693661	2.6619487	21	6 23.6	18.9
380197 2000 YD_{27}	15.7	X	231.93982	230.83301	283.52954	25.69452	0.0798383	0.22848581	2.6499025	21	11 2.8	19.9
380198 2000 YZ_{27}	16.5	X	252.80971	93.83600	52.01045	27.40841	0.4255161	0.23035910	2.6355168	21	10 19.7	21.0
380199 2000 YQ_{29}	15.9	X	215.34382	106.73352	116.47244	13.88705	0.5075305	0.22405616	2.6847146	21	12 6.1	21.1
380200 2000 YL_{56}	16.5	X	279.25324	139.70576	280.88633	12.37479	0.2383573	0.22606587	2.6687797	21	8 10.0	20.2
380201 2000 YH_{111}	16.5	X	283.27502	340.81527	91.83510	5.76951	0.2568512	0.22679562	2.6630518	21	9 5.7	19.7
380202 2001 AL_{12}	16.7	X	219.81968	18.33732	116.48592	17.14507	0.1924983	0.22395334	2.6855363	21	9 25.2	21.2
380203 2001 BE_{7}	16.3	X	220.56170	346.24570	137.75406	15.73451	0.1401742	0.22230854	2.6987663	21	9 13.5	20.5
380204 2001 CS_{25}	15.9	X	121.56735	52.88044	129.24963	12.14348	0.2267244	0.21229510	2.7829757	21	8 24.9	20.5
380205 2001 CA_{32}	19.5	X	64.52967	124.73367	353.30689	21.41376	0.4679255	0.29772740	2.2212129	21	4 12.9	21.1
380206 2001 DK_{8}	17.0	X	226.18487	265.91166	300.00624	18.63660	0.0770918	0.37618030	1.9005181	21	—	—
380207 2001 EV_{22}	16.0	X	239.64030	100.17054	7.93667	15.13121	0.1488936	0.21859590	2.7292378	21	9 13.3	20.0
380208 2001 FH_{30}	16.6	X	205.54647	70.22761	94.36658	7.31240	0.1779502	0.22109595	2.7086249	21	10 16.2	21.0
380209 2001 FZ_{43}	16.6	X	185.67323	185.01937	346.51615	13.76112	0.2160408	0.21881122	2.7274470	21	9 28.2	21.3
380210 2001 HP_{4}	16.3	X	279.99936	2.89228	217.87692	24.59073	0.2275901	0.28238523	2.3009547	21	—	—
380211 2001 HT_{45}	16.1	X	193.33330	84.03671	68.36949	12.02891	0.2420508	0.21649746	2.7468452	21	9 19.9	21.0
380212 2001 OA_{30}	16.1	X	209.60250	229.69986	84.06951	14.33549	0.1983668	0.17810879	3.1285696	21	2 7.8	21.6
380213 2001 OX_{66}	16.4	X	94.29977	30.20731	314.75753	14.15646	0.1613347	0.26303190	2.4124802	21	—	—
380214 2001 PW_{32}	15.9	X	179.13804	295.39100	67.02406	12.87013	0.2364811	0.17734898	3.1374990	21	3 15.8	21.5
380215 2001 QP_{47}	15.8	X	205.72666	37.20465	322.92751	16.60615	0.2204164	0.18091503	3.0961331	21	3 18.9	21.3
380216 2001 QQ_{188}	17.4	X	95.78161	239.48986	122.76026	2.09378	0.2001571	0.26434988	2.4044549	21	—	—
380217 2001 QP_{195}	16.6	X	77.21393	44.76447	301.70554	13.94854	0.1689958	0.25814009	2.4428628	21	—	—
380218 2001 QM_{266}	16.8	X	111.37498	19.37769	293.92208	14.06942	0.1911414	0.26228078	2.4170840	21	—	—
380219 2001 QN_{330}	15.8	X	178.03020	94.14029	269.03601	7.96225	0.3257092	0.17395863	3.1781330	21	3 8.1	21.7
380220 2001 QT_{330}	17.6	X	10.30079	295.91854	97.28968	4.21768	0.2914848	0.25241344	2.4796729	21	—	—
380221 2001 RQ_{38}	15.6	X	280.00068	103.89008	173.62894	13.02952	0.0813747	0.17928071	3.1149208	21	3 7.4	20.0
380222 2001 RJ_{54}	15.4	X	176.98817	341.98179	6.29956	28.19878	0.1815383	0.17298229	3.1900803	21	3 1.5	20.9
380223 2001 RZ_{63}	18.1	X	34.79626	109.24406	234.98348	5.98184	0.3286951	0.25307563	2.4753456	21	—	—
380224 2001 RY_{117}	17.4	X	52.93603	4.12734	4.68055	1.00708	0.1997888	0.25762285	2.4461315	21	—	—
380225 2001 RB_{141}	16.8	X	92.90478	299.63332	43.62018	6.67518	0.1676132	0.26002281	2.4310567	21	—	—
380226 2001 RB_{145}	16.7	X	52.74052	328.82623	32.15949	7.69045	0.1844308	0.25748972	2.4469745	21	—	—
380227 2001 SN_{24}	15.8	X	141.87385	192.38068	186.02923	28.01955	0.1766243	0.17107819	3.2137071	21	2 19.1	21.1
380228 2001 SU_{125}	15.8	X	151.95275	60.66178	330.94182	6.46359	0.1232050	0.17504059	3.1650230	21	3 12.5	20.7
380229 2001 SQ_{132}	16.9	X	59.17514	354.35794	343.97661	5.29333	0.1961710	0.25523189	2.4613843	21	—	—
380230 2001 SP_{144}	15.7	X	173.09384	17.82407	350.51026	15.79975	0.0697488	0.17471813	3.1689161	21	3 5.4	20.5
380231 2001 SG_{147}	17.4	X	55.05078	12.77922	11.36118	0.68807	0.1803559	0.25807585	2.4432682	21	—	—
380232 2001 SM_{163}	17.2	X	23.71294	192.12585	195.46278	8.22964	0.2299348	0.25350657	2.4725395	21	—	—
380233 2001 SE_{188}	17.4	X	22.87846	50.02994	350.99839	5.88206	0.1309941	0.25811596	2.4430151	21	—	—
380234 2001 SE_{198}	17.4	X	70.10563	229.73438	143.48787	2.49345	0.1001317	0.26058154	2.4275804	21	—	—
380235 2001 SC_{302}	15.7	X	294.87975	255.77583	354.43232	9.50090	0.0352383	0.17528819	3.1620419	21	2 28.8	20.1
380236 2001 TY_{16}	15.5	X	128.14159	60.53655	7.26508	21.43539	0.2168844	0.17214680	3.2003937	21	4 7.9	20.6
380237 2001 TX_{56}	17.6	X	332.12810	110.16542	214.77742	14.50396	0.3042933	0.24281141	2.5446223	21	6 17.3	19.8
380238 2001 TY_{140}	17.4	X	101.15217	225.14007	107.64521	3.41531	0.2212118	0.26086359	2.4258302	21	—	—
380239 2001 TV_{253}	16.4	X	190.26412	173.09555	139.42183	5.56302	0.1153544	0.16867073	3.2442146	21	1 17.9	21.4
380240 2001 UA_{2}	18.1	X	6.39428	150.87055	215.73256	12.79461	0.3639581	0.25009322	2.4949860	21	12 28.9	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380241 2001 UW_{11}	15.8	X	145.56875	298.70584	69.19209	9.86210	0.4096244	0.16946581	3.2340594	21	3 6.4	21.8
380242 2001 UR_{31}	17.6	X	357.21581	13.04905	45.46373	6.41197	0.2210259	0.25244715	2.4794522	21	—	—
380243 2001 UX_{32}	16.5	X	43.28813	268.32451	89.31518	7.40797	0.1199896	0.25243520	2.4795304	21	12 31.8	19.8
380244 2001 UA_{73}	16.7	X	71.00585	281.90219	64.15642	6.82935	0.2089333	0.25621786	2.4550657	21	—	—
380245 2001 UO_{125}	15.5	X	146.82262	328.03137	115.06762	12.61305	0.1946915	0.17494430	3.1661842	21	5 18.2	20.8
380246 2001 UD_{175}	17.0	X	14.84362	299.26499	104.06054	3.45727	0.1878143	0.25326326	2.4741228	21	—	—
380247 2001 UT_{178}	15.6	X	166.40469	340.52343	98.92469	12.01967	0.2054013	0.17786317	3.1314492	21	5 28.9	20.9
380248 2001 UC_{190}	17.9	X	41.64900	128.55650	215.94394	5.94600	0.1651497	0.25289613	2.4765167	21	12 19.3	21.2
380249 2001 US_{209}	15.6	X	173.29063	319.23407	88.62170	17.78380	0.2220381	0.17579700	3.1559376	21	5 2.6	21.2
380250 2001 VF_{81}	17.1	X	353.16344	50.62976	36.17996	10.30902	0.2251439	0.25321362	2.4744462	21	—	—
380251 2001 WW_{45}	17.1	X	67.37936	314.35511	24.87738	2.64725	0.2073020	0.25284059	2.4768793	21	—	—
380252 2001 WL_{60}	15.7	X	174.22256	337.14815	47.72954	5.61789	0.1531699	0.17227224	3.1988400	21	3 30.6	20.8
380253 2001 WU_{70}	17.1	X	74.11914	214.05816	118.05470	2.21745	0.1854412	0.25324296	2.4742550	21	—	—
380254 2001 WB_{87}	16.9	X	5.49965	134.42383	319.23711	3.94462	0.1271381	0.25671643	2.4518860	21	—	—
380255 2001 XJ_{26}	15.5	X	263.15259	48.96227	96.37032	16.52005	0.2163509	0.24176353	2.5519698	21	11 24.1	18.7
380256 2001 XL_{43}	16.7	X	313.71701	38.87341	57.91317	12.65085	0.2102148	0.24661297	2.5184042	21	12 20.8	18.8
380257 2001 XN_{115}	17.3	X	319.24196	16.85547	77.40703	11.68458	0.2511244	0.24644469	2.5195506	21	—	—
380258 2001 XU_{129}	17.2	X	348.03791	316.81110	73.73662	6.17489	0.1613883	0.24595017	2.5229267	21	11 25.5	19.5
380259 2001 XN_{160}	17.1	X	338.89774	295.29248	107.88133	2.96425	0.1481126	0.24508092	2.5288887	21	11 24.9	19.4
380260 2001 XB_{229}	16.4	X	25.38167	66.26353	284.78890	3.53557	0.2139676	0.24717363	2.5145945	21	12 12.4	19.2
380261 2001 XU_{241}	15.4	X	167.17023	349.84346	70.82069	9.20805	0.0589547	0.17333390	3.1857648	21	5 1.6	20.2
380262 2001 XV_{262}	17.7	X	314.55045	196.54615	226.86137	1.54056	0.1855741	0.24501934	2.5293124	21	11 2.5	19.6
380263 2001 YZ_{10}	16.7	X	323.12070	102.90169	289.94300	12.05238	0.1783755	0.23875304	2.5733772	21	9 25.9	19.4
380264 2001 YA_{30}	17.3	X	348.47218	313.63065	71.22665	14.22214	0.2455178	0.24587254	2.5234577	21	11 27.7	19.2
380265 2001 YR_{31}	17.0	X	13.24549	286.34940	78.09917	4.55576	0.1891452	0.24657808	2.5186418	21	12 7.9	19.7
380266 2001 YU_{47}	16.3	X	52.08881	253.23872	82.08041	14.48937	0.1482505	0.24634364	2.5202395	21	12 16.5	19.6
380267 2001 YM_{68}	16.7	X	298.37603	179.01782	284.41562	12.46333	0.2301203	0.24460356	2.5321778	21	11 20.7	19.2
380268 2001 YQ_{71}	16.8	X	317.71637	132.84392	324.57402	3.36807	0.1938618	0.24650682	2.5191272	21	—	—
380269 2001 YE_{113}	17.0	X	27.89047	282.50722	58.43646	2.40272	0.1653883	0.24538213	2.5268187	21	11 24.4	19.8
380270 2001 YX_{138}	16.7	X	208.58741	241.67228	281.21841	14.04340	0.0758328	0.23775116	2.5806015	21	10 18.7	20.7
380271 2001 YH_{139}	16.8	X	305.97087	250.60677	217.44002	5.43260	0.2072507	0.24577845	2.5241017	21	12 20.4	18.9
380272 2002 AC_{11}	16.1	X	291.55351	18.36946	110.80212	9.30757	0.1809551	0.24388248	2.5371666	21	12 23.0	18.4
380273 2002 AB_{44}	16.3	X	222.37415	57.77240	115.92446	5.43817	0.1576314	0.24070955	2.5594138	21	11 15.8	20.0
380274 2002 AE_{46}	16.8	X	349.93903	123.33389	279.72171	9.45979	0.2283140	0.24486428	2.5303801	21	12 25.6	18.9
380275 2002 AL_{65}	16.4	X	160.81818	239.39939	304.82646	11.15536	0.2026554	0.22951963	2.6419392	21	9 21.9	21.1
380276 2002 AD_{68}	16.2	X	270.22241	139.60580	307.22095	12.04018	0.0864530	0.23590156	2.5940728	21	9 24.7	19.7
380277 2002 AO_{69}	15.8	X	343.14433	122.36585	272.12075	13.60268	0.1634523	0.24646500	2.5194121	21	11 19.8	18.4
380278 2002 AP_{102}	16.9	X	277.04402	354.17995	103.82895	12.35461	0.1451262	0.23959469	2.5673471	21	10 25.0	20.2
380279 2002 AR_{102}	16.8	X	281.33464	356.14119	108.55939	14.35500	0.1323747	0.24092064	2.5579185	21	11 11.7	20.1
380280 2002 AX_{131}	16.5	X	278.19726	198.29505	284.60233	11.71935	0.1476850	0.24411935	2.5355251	21	11 22.6	19.4
380281 2002 AW_{142}	17.0	X	260.00311	212.72505	277.11053	1.57801	0.0784628	0.24132066	2.5550911	21	11 15.7	20.1
380282 2002 AO_{148}	12.9	X	143.65047	207.82291	328.54870	19.19967	0.2671218	0.07261492	5.6900857	21	8 28.6	21.2
380283 2002 AM_{156}	17.2	X	278.84067	312.70680	120.26814	7.24722	0.3110425	0.23864391	2.5741616	21	8 21.2	20.5
380284 2002 AJ_{167}	16.2	X	181.40787	203.88165	312.46313	12.90501	0.1901274	0.22910801	2.6451027	21	9 6.3	20.7
380285 2002 AQ_{169}	16.8	X	298.23055	161.55038	303.57430	11.34481	0.1411435	0.24412702	2.5354720	21	12 4.1	19.6
380286 2002 BG_{23}	16.5	X	289.24497	165.72618	327.09673	18.79874	0.1249736	0.24620709	2.5211713	21	—	—
380287 2002 BF_{30}	17.5	X	312.38185	129.04407	304.41563	3.84950	0.2307903	0.24213537	2.5493565	21	11 6.5	19.5
380288 2002 BC_{31}	17.0	X	262.05668	314.02830	159.62882	7.80046	0.1487786	0.23732076	2.5837207	21	10 19.3	20.3
380289 2002 CQ_{4}	16.9	X	303.19748	321.50960	119.20616	13.04029	0.1462643	0.24052092	2.5607517	21	11 13.4	19.8
380290 2002 CF_{34}	16.2	X	314.40505	83.41051	330.22523	11.80860	0.1630320	0.23923913	2.5698902	21	10 12.1	19.1
380291 2002 CO_{66}	16.5	X	242.10842	9.70792	119.82140	12.52848	0.1276475	0.23763950	2.5814099	21	10 21.1	20.3
380292 2002 CD_{84}	17.2	X	245.81791	326.70560	144.94609	6.97850	0.2368696	0.23449727	2.6044190	21	9 12.7	21.1
380293 2002 CK_{143}	16.5	X	336.50424	208.61249	180.76533	4.17273	0.2489894	0.24134926	2.5548892	21	11 2.1	18.1
380294 2002 CT_{172}	17.3	X	249.43071	70.10256	108.58233	5.86881	0.2267771	0.24128514	2.5553418	21	12 13.3	20.4
380295 2002 CS_{186}	17.5	X	237.34023	8.46914	135.29306	3.22457	0.0877695	0.23735970	2.5834381	21	11 3.6	20.9
380296 2002 CU_{199}	17.3	X	219.92917	180.18801	334.62297	6.40503	0.0782765	0.23566127	2.5958360	21	10 24.4	21.0
380297 2002 CD_{205}	17.5	X	266.73581	338.82857	137.20123	2.79352	0.1583454	0.23791701	2.5794021	21	10 26.5	20.6
380298 2002 CS_{208}	17.6	X	212.06011	78.60995	99.30435	2.86064	0.2194858	0.23606741	2.5928577	21	11 2.9	21.6
380299 2002 CB_{247}	16.4	X	315.91931	203.34672	225.51712	3.58074	0.2778647	0.23983947	2.5656000	21	11 4.8	17.8
380300 2002 CY_{252}	17.3	X	273.63041	261.29091	253.02519	4.32780	0.2006965	0.24332413	2.5410464	21	12 21.8	20.1
380301 2002 CV_{254}	16.2	X	191.90941	287.27625	279.40277	10.95216	0.1052104	0.23811469	2.5779743	21	11 26.8	20.1
380302 2002 CT_{269}	16.8	X	295.63392	85.25443	321.62134	7.17434	0.1621077	0.23373402	2.6100857	21	9 1.4	19.9
380303 2002 CO_{288}	16.9	X	2.02560	258.15787	130.25615	6.54557	0.1281026	0.24101817	2.5572285	21	12 12.7	19.7
380304 2002 CJ_{290}	16.7	X	308.34616	83.36339	3.97218	10.71396	0.2458263	0.24256776	2.5463260	21	11 14.5	18.8
380305 2002 DL_{6}	17.3	X	260.46287	35.28187	156.84578	15.27092	0.0527173	0.24549472	2.5260461	21	—	—
380306 2002 EM_{18}	16.2	X	356.69618	311.37252	340.64271	12.65615	0.1614168	0.21933974	2.7230639	21	7 15.5	19.1
380307 2002 EL_{23}	13.4	X	304.69460	273.16747	156.65507	22.52106	0.0884148	0.08315413	5.1985252	21	10 11.7	20.2
380308 2002 ED_{93}	17.2	X	297.20613	103.06038	346.18850	13.77200	0.2291165	0.23959766	2.5673259	21	10 21.3	20.0
380309 2002 ED_{104}	16.9	X	187.57332	51.17726	125.39283	7.45397	0.2920415	0.23081665	2.6320328	21	10 10.1	21.7
380310 2002 ET_{106}	16.3	X	159.14985	49.36886	147.75416	12.42269	0.1375396	0.22930936	2.6435540	21	10 15.9	20.6
380311 2002 EO_{121}	16.6	X	170.15657	192.74655	1.07183	17.12373	0.2275995	0.23054836	2.6340743	21	10 12.3	21.3
380312 2002 FZ_{25}	16.9	X	196.62451	81.84333	92.63336	13.94575	0.2150772	0.23208645	2.6224237	21	10 21.9	21.5
380313 2002 GQ_{26}	16.2	X	45.57233	164.45120	63.65462	15.28586	0.2751694	0.21346075	2.7728351	21	8 7.0	19.7
380314 2002 GU_{40}	17.4	X	12.89872	195.69867	352.03172	5.10859	0.0403229	0.30868732	2.1683208	21	2 28.7	19.5
380315 2002 GA_{74}	16.6	X	201.00160	143.11224	30.53861	12.38401	0.1348713	0.23025437	2.6363160	21	10 23.7	20.4
380316 2002 GW_{78}	17.2	X	294.39252	184.02089	69.29099	8.89975	0.2048653	0.30418429	2.1896676	21	1 19.8	20.4
380317 2002 GA_{81}	16.6	X	156.18573	40.67133	139.14217	4.14840	0.1439737	0.22484905	2.6783994	21	9 18.6	20.8
380318 2002 GW_{128}	16.9	X	176.99435	298.06131	239.73431	2.46791	0.1658272	0.22831493	2.6512245	21	10 3.1	21.1
380319 2002 GU_{172}	17.1	X	173.48580	123.26495	54.48686	6.99554	0.1903539	0.22788954	2.6545228	21	10 3.2	21.5
380320 2002 GF_{178}	17.1	X	66.52254	186.30282	45.57840	4.03834	0.1352152	0.21643752	2.7473523	21	8 17.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380321 2002 HF_8	18.3	X	117.85832	261.70626	48.69200	4.77030	0.4907007	0.27927229	2.3180216	21	—	—
380322 2002 HR_{11}	15.8	X	218.68856	104.18569	80.67877	29.38238	0.3438170	0.23435922	2.6054417	21	11 14.8	20.6
380323 2002 JN_6	16.5	X	61.83356	152.03656	98.84206	10.78771	0.1290712	0.21578010	2.7529297	21	9 7.8	20.3
380324 2002 JV_6	16.2	X	125.06074	144.84902	86.89406	15.38716	0.0678631	0.22286842	2.6942447	21	10 24.8	20.4
380325 2002 JT_{41}	17.2	X	281.45783	212.06157	36.67169	26.85936	0.1790144	0.30079586	2.2060811	21	1 2.6	21.1
380326 2002 JC_{125}	16.1	X	162.69410	135.71226	67.70233	12.73365	0.1336752	0.22833207	2.6510918	21	10 27.2	20.4
380327 2002 LO_5	16.1	X	190.32717	310.06198	244.09460	30.81949	0.2292221	0.22927557	2.6438138	21	10 30.9	20.9
380328 2002 NK_{58}	16.3	X	274.46505	90.27947	233.63166	11.63445	0.1972768	0.19731480	2.9221080	21	4 8.5	20.8
380329 2002 OR_8	18.0	X	161.88390	47.81049	272.25854	4.68143	0.1861462	0.28452131	2.2894237	21	—	—
380330 2002 OF_{12}	15.5	X	58.70976	334.50031	286.71735	31.87065	0.1055513	0.21013197	2.8020419	21	8 19.9	19.9
380331 2002 OA_{17}	16.6	X	94.54131	91.61069	273.79975	11.45615	0.2413335	0.27906946	2.3191447	21	—	—
380332 2002 ON_{30}	18.2	X	107.23312	239.66634	107.32254	4.67538	0.2475581	0.27910860	2.3189278	21	—	—
380333 2002 PX_{23}	18.2	X	138.19844	82.72300	238.11268	2.08058	0.2432355	0.28106328	2.3081639	21	—	—
380334 2002 PZ_{87}	16.3	X	219.28002	199.77321	159.94560	7.90843	0.2418074	0.19158912	2.9800404	21	4 4.9	21.6
380335 2002 PB_{113}	18.1	X	84.39561	345.36057	319.05253	18.11287	0.0745261	0.37443354	1.9064243	21	—	—
380336 2002 PN_{141}	17.2	X	18.35367	95.55816	308.15909	17.48433	0.2129183	0.37425623	1.9070263	21	—	—
380337 2002 PY_{184}	18.0	X	209.60965	93.53786	168.57820	3.98081	0.1499960	0.28499083	2.2869085	21	—	—
380338 2002 PT_{190}	18.0	X	155.77781	212.83298	89.33303	5.61750	0.2252343	0.28196056	2.3032644	21	—	—
380339 2002 PT_{201}	15.9	X	259.77301	122.24140	234.61466	9.78583	0.1446557	0.19862096	2.9092832	21	5 12.3	20.3
380340 2002 QG_{65}	17.2	X	144.64601	284.71445	144.28360	5.80932	0.1587484	0.29415367	2.2391673	21	4 15.9	20.4
380341 2002 QN_{81}	16.1	X	172.76372	268.93037	139.62759	13.48598	0.1842074	0.18973439	2.9994297	21	4 28.9	21.3
380342 2002 QN_{96}	17.4	X	84.67830	353.14628	30.60110	3.29438	0.2260216	0.27913070	2.3188055	21	—	—
380343 2002 QO_{102}	18.1	X	118.50885	85.98747	259.05006	2.43410	0.2409179	0.27865409	2.3214488	21	—	—
380344 2002 QY_{104}	16.4	X	167.67530	258.85232	178.24134	10.24377	0.1015357	0.19544357	2.9407298	21	5 22.7	21.1
380345 2002 QK_{112}	16.0	X	190.38773	116.85679	316.50562	11.02336	0.0281525	0.19909523	2.9046612	21	6 8.7	20.3
380346 2002 QH_{117}	16.5	X	300.17866	44.91963	272.57994	5.85845	0.1040827	0.19960968	2.8996683	21	5 16.4	20.3
380347 2002 QZ_{137}	18.4	X	108.24726	223.31930	141.45841	2.12477	0.1775217	0.28106081	2.3081774	21	—	—
380348 2002 RB_{43}	17.1	X	133.89015	239.60959	132.28431	6.11276	0.1410717	0.28423026	2.2909864	21	1 12.7	19.9
380349 2002 RH_{151}	15.9	X	224.71031	42.65254	312.80698	11.01989	0.1501371	0.19108822	2.9852458	21	3 31.5	20.9
380350 2002 RP_{193}	16.1	X	216.20385	36.13741	356.64435	7.37280	0.2078505	0.19347407	2.9606532	21	5 8.4	21.2
380351 2002 RD_{217}	17.6	X	165.58875	10.53086	312.40196	1.94051	0.1651304	0.28392485	2.2926290	21	—	—
380352 2002 RS_{227}	16.1	X	156.36321	245.25273	192.00277	10.46481	0.1341189	0.19021093	2.9944179	21	5 13.1	20.9
380353 2002 RJ_{247}	16.2	X	221.48458	294.35190	101.26865	3.16697	0.1151556	0.19680111	2.9271907	21	5 24.1	20.8
380354 2002 RG_{256}	17.3	X	328.99764	286.17223	266.84736	7.14108	0.0482631	0.28908261	2.2652775	21	1 3.9	20.0
380355 2002 RH_{282}	18.1	X	126.79355	179.03946	152.06665	2.44237	0.2162828	0.28050332	2.3112347	21	—	—
380356 2002 SE_{13}	17.3	X	351.66669	87.46355	319.34831	17.77756	0.1256095	0.37127710	1.9172141	21	—	—
380357 2002 TD_{17}	16.9	X	117.21467	2.07092	1.88674	8.45722	0.1366694	0.27938349	2.3174065	21	—	—
380358 2002 TB_{24}	17.6	X	68.38802	242.01484	173.88353	2.06631	0.1962228	0.27665053	2.3326435	21	—	—
380359 2002 TN_{30}	17.0	X	51.15582	91.78839	20.57462	19.84497	0.4475271	0.27650509	2.3334614	21	3 11.3	17.5
380360 2002 TN_{62}	16.2	X	204.07538	338.95646	356.00936	10.84687	0.2540598	0.18420770	3.0591271	21	2 25.7	21.6
380361 2002 TV_{85}	15.8	X	247.79622	139.85359	208.19076	9.96692	0.1004641	0.19140807	2.9819193	21	4 23.9	20.3
380362 2002 TD_{106}	17.0	X	355.13378	144.84498	359.10408	4.15277	0.0873132	0.28056369	2.3109031	21	—	—
380363 2002 TJ_{118}	17.6	X	70.04311	108.74052	296.94162	4.28621	0.3098511	0.27511369	2.3413226	21	—	—
380364 2002 TG_{125}	16.0	X	187.69900	79.66808	303.88382	8.02407	0.1205676	0.18734630	3.0248649	21	4 2.1	21.0
380365 2002 TB_{134}	15.9	X	62.10647	323.63302	316.37975	7.98925	0.2399161	0.21009856	2.8023389	21	10 22.6	20.1
380366 2002 TR_{161}	15.4	X	130.04779	323.96595	62.39960	30.26001	0.2963592	0.17743511	3.1364835	21	3 21.3	21.2
380367 2002 TY_{185}	17.7	X	112.05298	19.37905	320.98373	4.76055	0.1723564	0.27607770	2.3358691	21	—	—
380368 2002 TJ_{188}	17.3	X	115.49900	101.25397	293.66230	4.45123	0.1638311	0.28200689	2.3030122	21	1 22.9	19.9
380369 2002 TJ_{209}	16.1	X	211.79674	317.35923	69.75367	11.29696	0.2219417	0.19043063	2.9921143	21	5 2.9	21.3
380370 2002 TF_{216}	15.5	X	140.98640	344.54652	99.43613	16.12405	0.2935160	0.18271068	3.0758142	21	5 20.8	21.0
380371 2002 TM_{217}	15.8	X	266.46853	317.35158	24.18665	10.83382	0.0852306	0.19183539	2.9774894	21	5 6.4	20.1
380372 2002 TZ_{222}	16.9	X	65.57230	276.86412	120.93311	7.19926	0.1379892	0.27383360	2.3486135	21	—	—
380373 2002 TS_{225}	15.9	X	170.59497	23.38388	48.54224	19.40246	0.2842760	0.18557317	3.0441024	21	5 21.0	21.4
380374 2002 TE_{310}	17.2	X	21.86287	31.17261	65.54610	7.99291	0.1129383	0.27551567	2.3390447	21	—	—
380375 2002 TQ_{333}	16.6	X	189.31844	218.83938	165.96310	6.42781	0.0797786	0.18733415	3.0249956	21	4 10.2	21.2
380376 2002 TW_{346}	16.9	X	186.49637	270.83577	103.24212	7.01829	0.2210159	0.18496932	3.0507240	21	3 30.3	22.2
380377 2002 TM_{348}	16.3	X	171.36151	302.22704	81.05625	11.63278	0.1847244	0.18298691	3.0727180	21	3 30.7	21.6
380378 2002 UC_{13}	17.3	X	78.34720	172.43638	223.70903	4.60004	0.2280695	0.27659801	2.3329388	21	—	—
380379 2002 UN_{62}	18.0	X	61.14184	167.41961	235.76278	3.91563	0.2186288	0.27569675	2.3380203	21	—	—
380380 2002 UP_{73}	18.0	X	47.88831	220.02856	233.86779	0.52241	0.1455283	0.27740476	2.3284135	21	—	—
380381 2002 VZ_9	17.4	X	92.84076	16.61399	339.28910	4.11589	0.2247281	0.27309161	2.3528657	21	—	—
380382 2002 VS_{20}	16.2	X	143.72869	133.00885	250.99781	11.14443	0.2750181	0.17888421	3.1195219	21	3 4.0	21.7
380383 2002 VA_{24}	17.5	X	47.72256	162.01778	243.81548	4.64703	0.2499167	0.27039860	2.3684620	21	—	—
380384 2002 VE_{64}	16.9	X	114.92488	344.30103	10.04337	7.01414	0.1293366	0.27516025	2.3410584	21	—	—
380385 2002 VU_{68}	15.4	X	138.04762	314.71132	113.39424	14.07048	0.2117443	0.18011442	3.1053012	21	4 25.9	20.7
380386 2002 VO_{74}	15.8	X	125.55124	321.46306	57.53388	15.56043	0.2064095	0.17516356	3.1635416	21	2 16.1	20.9
380387 2002 VK_{123}	17.6	X	53.11895	35.98488	48.64338	2.82364	0.1713857	0.27539714	2.3397158	21	—	—
380388 2002 VX_{138}	16.3	X	158.90380	20.32291	23.98931	16.54406	0.1720766	0.18169896	3.0872212	21	4 8.3	21.2
380389 2002 WB_{26}	17.6	X	59.40801	345.32865	81.06229	7.00429	0.0947864	0.27446813	2.3449924	21	—	—
380390 2002 WJ_{30}	18.0	X	47.19319	188.86786	211.10982	0.97599	0.1879284	0.26929936	2.3749028	21	—	—
380391 2002 XC_{24}	17.3	X	29.82037	347.48990	77.48826	5.70541	0.1682231	0.26870261	2.3784177	21	—	—
380392 2002 XS_{49}	17.4	X	56.74075	349.36183	85.92116	5.39111	0.1455806	0.27363203	2.3497668	21	—	—
380393 2002 XL_{63}	17.7	X	49.60573	233.34071	164.33728	3.39157	0.3475695	0.26944282	2.3740597	21	—	—
380394 2002 XM_{76}	16.9	X	357.97956	50.21530	80.89275	23.46007	0.2560984	0.26911663	2.3759777	21	—	—
380395 2002 XK_{78}	15.9	X	143.88395	23.53307	76.53092	12.07338	0.2253183	0.18125450	3.0922661	21	6 3.1	21.1
380396 2002 XB_{89}	15.2	X	59.25268	75.47443	90.95879	26.91097	0.2167919	0.17386886	3.1792268	21	5 28.4	19.4
380397 2002 XE_{89}	16.6	X	5.68346	46.44426	97.55624	23.59758	0.2722993	0.27041634	2.3683584	21	—	—
380398 2002 XL_{93}	17.5	X	101.87100	294.83144	69.80054	3.19443	0.1907084	0.27289525	2.3539943	21	—	—
380399 2002 XZ_{115}	15.9	X	132.15164	319.34139	103.02382	13.30061	0.1155084	0.17720902	3.1391508	21	4 4.9	20.8
380400 2002 XV_{118}	16.1	X	67.22370	67.37442	63.51568	16.75787	0.2029938	0.17613812	3.1518616	21	4 21.7	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380401 2002 XQ_{119}	16.0	X	121.03383	34.01138	71.28055	14.75551	0.1836931	0.18148843	3.0896083	21	5 17.6	20.7
380402 2002 XB_{120}	17.6	X	53.17450	266.77209	84.76154	3.42522	0.2412037	0.26581067	2.3956375	21	—	—
380403 2002 YD_{7}	14.8	X	80.81815	205.86981	311.90366	15.67320	0.1626671	0.17570069	3.1570908	21	5 31.6	19.4
380404 2002 YM_{7}	15.5	X	140.91573	188.20177	261.18733	21.63639	0.1681520	0.18158984	3.0884579	21	5 13.2	20.6
380405 2002 YZ_{17}	17.3	X	52.05229	177.81832	250.81603	4.96116	0.2109887	0.27204522	2.3588952	21	—	—
380406 2002 YG_{19}	17.3	X	61.20063	164.73233	288.73704	1.76443	0.1735702	0.27550986	2.3390775	21	1 13.2	19.1
380407 2003 AL_{9}	16.3	X	171.81435	313.34588	107.83710	5.09148	0.2082284	0.18054616	3.1003487	21	5 11.1	21.6
380408 2003 AU_{22}	15.5	X	55.48948	221.67160	294.95087	11.07182	0.3056831	0.16993492	3.2281048	21	5 14.9	19.5
380409 2003 AA_{34}	16.3	X	29.45061	211.45562	303.71475	24.55352	0.1869095	0.27435281	2.3456494	21	2 3.2	18.2
380410 2003 AD_{54}	15.6	X	71.77433	268.83232	302.62972	25.98781	0.3727732	0.23162689	2.6258912	21	8 20.5	19.8
380411 2003 AM_{56}	17.3	X	323.01768	175.69724	322.91198	5.33925	0.1499905	0.26404993	2.4062755	21	—	—
380412 2003 AW_{71}	16.5	X	28.64044	219.52119	257.23533	21.88291	0.2395597	0.27302808	2.3532307	21	—	—
380413 2003 AS_{76}	15.8	X	127.47450	85.42274	21.98916	10.25318	0.2232944	0.17791646	3.1308238	21	5 26.3	20.9
380414 2003 AK_{91}	15.8	X	86.83989	8.64586	138.06256	18.20945	0.1596187	0.17608084	3.1525452	21	5 30.8	20.6
380415 2003 AL_{92}	14.9	X	83.05078	77.50802	98.00740	14.36392	0.2335017	0.17327084	3.1865377	21	7 7.7	19.4
380416 2003 BT_{4}	16.6	X	141.96640	128.57509	287.10198	12.86324	0.2916755	0.17465661	3.1696601	21	4 8.6	22.3
380417 2003 BN_{6}	17.3	X	0.87918	339.98007	133.43072	11.07078	0.1702171	0.26709021	2.3879803	21	—	—
380418 2003 BN_{7}	15.9	X	155.85398	310.61615	146.00127	17.94553	0.3607622	0.18392664	3.0622428	21	6 15.5	21.9
380419 2003 BZ_{55}	16.9	X	336.75193	183.78873	320.05053	21.06688	0.2046299	0.26515863	2.3995633	21	—	—
380420 2003 BE_{68}	15.5	X	71.17936	188.12796	315.86010	18.88070	0.1516265	0.17247144	3.1963765	21	4 20.9	20.1
380421 2003 DE_{14}	15.7	X	83.14768	55.99444	101.80691	22.22054	0.2207193	0.17279748	3.1923545	21	6 15.7	20.3
380422 2003 EQ_{4}	17.4	X	89.99173	54.30476	60.42810	4.69871	0.3945736	0.17227237	3.1988384	21	5 21.6	22.3
380423 2003 FM_{38}	16.9	X	22.05245	71.48885	193.63653	16.41303	0.1925737	0.22747001	2.6577856	21	7 24.1	20.0
380424 2003 FO_{75}	16.8	X	11.56503	240.75441	241.64408	5.88139	0.2131155	0.26632095	2.3925765	21	—	—
380425 2003 FQ_{76}	16.9	X	260.58057	196.77948	337.15823	6.72315	0.1281503	0.25335447	2.4735290	21	—	—
380426 2003 HY_{2}	16.8	X	293.29677	74.97186	22.31659	14.26917	0.0467217	0.24541556	2.5265893	21	11 21.2	20.2
380427 2003 HB_{44}	16.7	X	157.47364	174.61818	62.57694	10.23346	0.0956667	0.24353580	2.5395738	21	11 30.6	20.6
380428 2003 JQ_{5}	16.3	X	124.54639	203.89896	50.78266	18.92029	0.1870782	0.23880886	2.5729762	21	11 20.3	20.6
380429 2003 PX_{11}	15.6	X	282.85474	54.22687	290.25990	19.51654	0.2341536	0.21099367	2.7944077	21	5 5.1	20.2
380430 2003 QX_{44}	16.5	X	285.31423	355.39172	16.48599	4.03955	0.2392086	0.21325695	2.7746013	21	6 16.9	20.3
380431 2003 QC_{57}	18.0	X	187.52591	164.35673	146.17283	4.97627	0.2829642	0.30197338	2.2003424	21	1 1.9	21.6
380432 2003 QP_{79}	18.0	X	177.39774	57.31533	314.35738	5.93937	0.1991795	0.30737082	2.1745077	21	3 2.6	21.3
380433 2003 QK_{97}	16.6	X	135.44341	344.58950	156.10335	5.74544	0.0600764	0.21170999	2.7881009	21	7 1.8	20.7
380434 2003 QV_{114}	18.1	X	66.23293	237.55019	85.17499	7.06061	0.3408150	0.28445008	2.2898059	21	—	—
380435 2003 SZ_{86}	15.9	X	305.56545	334.51950	21.28047	11.95402	0.1166354	0.21332906	2.7739760	21	7 17.5	19.6
380436 2003 SR_{87}	17.6	X	195.81073	351.92540	359.05576	6.88253	0.1700911	0.30493784	2.1860588	21	2 23.4	20.9
380437 2003 SP_{107}	17.9	X	172.10174	21.03463	341.43740	5.26779	0.1766151	0.30278731	2.1963975	21	2 15.1	20.9
380438 2003 SY_{210}	16.4	X	259.50013	141.94244	264.70973	8.83375	0.2540038	0.21228664	2.7830496	21	6 30.9	20.7
380439 2003 SG_{228}	16.2	X	253.78684	215.78936	203.91795	15.17137	0.1348507	0.20933843	2.8091186	21	7 22.7	20.7
380440 2003 ST_{236}	17.9	X	151.61337	200.26471	185.14378	4.93301	0.2039151	0.30281189	2.1962786	21	2 24.8	21.1
380441 2003 SG_{257}	18.0	X	187.24439	322.88734	23.58478	7.57301	0.2070397	0.30464208	2.1874735	21	2 13.3	21.5
380442 2003 SY_{259}	17.2	X	255.63424	290.31802	32.62583	7.21733	0.1371886	0.30980630	2.1630964	21	3 18.4	20.2
380443 2003 SK_{265}	17.1	X	306.60648	170.93732	211.88451	5.74692	0.0701230	0.21632162	2.7483335	21	8 26.7	20.6
380444 2003 SF_{281}	16.0	X	311.39554	279.58737	43.96249	9.63156	0.1574974	0.20912306	2.8110470	21	5 31.8	19.5
380445 2003 SH_{283}	16.0	X	328.79556	25.43048	296.87680	12.43026	0.1527197	0.21357931	2.7718088	21	7 2.2	19.1
380446 2003 SN_{287}	16.8	X	277.64610	158.92464	221.38258	3.84087	0.0809785	0.21341175	2.7732594	21	7 12.0	20.6
380447 2003 SO_{312}	16.2	X	306.21539	0.78224	314.92160	11.47734	0.1964608	0.20990576	2.8040547	21	5 3.3	20.2
380448 2003 SA_{330}	17.2	X	263.97974	52.17995	326.85996	2.81923	0.1085089	0.20985895	2.8044716	21	6 19.1	21.1
380449 2003 SF_{332}	16.5	X	227.37902	19.05680	37.59848	9.02968	0.3361095	0.20553596	2.8436589	21	6 9.5	21.7
380450 2003 SM_{333}	17.1	X	263.50646	5.30057	349.46018	9.38053	0.1523632	0.20692470	2.8309215	21	5 8.9	21.5
380451 2003 SQ_{350}	16.4	X	174.33687	226.62828	276.05476	3.36946	0.0627168	0.21409652	2.7673429	21	8 18.1	20.4
380452 2003 SP_{370}	16.9	X	247.14163	204.34036	183.85499	4.59898	0.1121667	0.20839274	2.8176107	21	6 11.0	21.1
380453 2003 TX_{18}	17.6	X	251.74363	302.24124	357.42274	3.68735	0.1653495	0.30757913	2.1735258	21	2 8.9	20.8
380454 2003 TC_{35}	17.0	X	255.75615	145.68868	224.85626	11.36965	0.1450141	0.20510557	2.8476356	21	5 25.4	21.4
380455 2003 UL_{3}	17.9	X	61.56724	13.03911	153.12263	14.64881	0.7980632	0.29305053	2.2447831	21	8 14.3	22.0
380456 2003 UZ_{21}	16.3	X	225.99972	106.01781	304.05665	12.20603	0.3028469	0.20477854	2.8506665	21	6 2.7	21.6
380457 2003 UO_{49}	17.3	X	206.28525	69.28992	274.78237	8.70084	0.2019201	0.30523100	2.1846588	21	2 19.4	20.9
380458 2003 UQ_{56}	16.3	X	248.07045	356.71749	21.39451	2.89158	0.1875598	0.20365733	2.8611197	21	5 21.6	20.8
380459 2003 UU_{155}	16.9	X	283.48163	246.58064	75.09715	6.09597	0.1053502	0.20305483	2.8667765	21	5 1.9	20.9
380460 2003 UQ_{171}	18.0	X	317.62549	275.57840	346.93196	3.12391	0.1690412	0.31292230	2.1487128	21	3 2.6	20.4
380461 2003 UD_{176}	18.1	X	129.74366	53.28411	1.04559	1.07529	0.1188205	0.30171676	2.2015899	21	2 28.0	20.5
380462 2003 UJ_{252}	15.9	X	205.46032	36.61396	47.55681	13.91088	0.1711145	0.20210561	2.8757456	21	7 4.9	20.8
380463 2003 UZ_{271}	16.9	X	219.81508	26.90709	46.01902	8.36571	0.2901367	0.20465754	2.8517901	21	6 26.9	22.0
380464 2003 UB_{295}	16.7	X	296.36835	28.32812	321.52526	3.15543	0.0766829	0.20893207	2.8127598	21	6 28.5	20.3
380465 2003 UM_{314}	17.9	X	234.51103	173.28595	142.54106	5.59589	0.0820707	0.30510516	2.1852595	21	2 14.7	20.9
380466 2003 UV_{315}	16.4	X	209.03327	249.35880	185.73703	15.15783	0.2341799	0.20373217	2.8604189	21	6 23.5	21.6
380467 2003 UG_{322}	17.1	X	233.82528	41.76656	23.87792	2.34336	0.0167870	0.20937050	2.8088317	21	7 25.8	20.8
380468 2003 UG_{326}	16.8	X	229.29417	183.66746	259.30155	7.32199	0.1159865	0.21424465	2.7660672	21	7 29.1	21.0
380469 2003 UK_{343}	16.7	X	199.76304	273.69732	198.45702	12.09559	0.1168723	0.21282067	2.7783919	21	8 2.6	21.3
380470 2003 UT_{367}	16.9	X	216.97169	273.02693	139.85609	2.81359	0.0624748	0.20373210	2.8604196	21	6 13.0	21.1
380471 2003 UG_{408}	18.4	X	189.40829	190.61243	125.25421	5.29012	0.1906767	0.29961251	2.2118861	21	1 4.3	21.8
380472 2003 WR_{24}	16.8	X	206.60142	48.60450	259.02610	7.92065	0.3217678	0.29930097	2.2134207	21	1 13.1	20.9
380473 2003 WB_{90}	16.8	X	196.52407	43.32537	57.02080	2.70324	0.1872241	0.20326179	2.8648302	21	7 16.5	21.5
380474 2003 WX_{92}	17.4	X	173.46442	84.26667	275.45734	4.45287	0.1857432	0.30018219	2.2090868	21	2 11.7	20.7
380475 2003 WC_{101}	15.9	X	279.43385	327.24999	16.20214	12.95563	0.1079325	0.20324960	2.8649447	21	5 19.4	20.1
380476 2003 YO_{1}	19.3	X	274.03563	161.41706	65.15798	14.25765	0.3990913	0.79111033	1.1578297	21	—	—
380477 2003 YR_{64}	18.0	X	117.72446	241.37562	178.48562	2.67105	0.2311644	0.29559261	2.2318945	21	3 9.7	20.6
380478 2003 YU_{86}	16.3	X	205.92551	7.19077	106.60968	14.16231	0.2480702	0.20184011	2.8782669	21	8 8.5	21.3
380479 2003 YP_{131}	17.3	X	101.67872	132.13291	324.22517	5.42475	0.1075726	0.29759454	2.2218739	21	3 16.4	19.8
380480 Glennhawley	16.6	X	158.13614	338.74929	72.47779	10.92524	0.0741947	0.19032277	2.9932447	21	4 12.3	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380481 2003 YF_{181}	16.0	X	75.74044	44.21141	116.04772	6.78668	0.0812078	0.18639981	3.0350958	21	5 18.6	20.1
380482 2004 AG_{4}	16.7	X	130.88225	59.43613	76.59472	2.09156	0.1942848	0.19156397	2.9803013	21	7 3.1	21.5
380483 2004 AV_{6}	17.9	X	171.95150	60.70234	309.97709	3.42587	0.1759476	0.29563447	2.2316839	21	2 24.8	21.3
380484 2004 AS_{23}	16.2	X	36.67175	62.99158	128.08339	7.11830	0.0762942	0.18486957	3.0518213	21	5 2.9	20.2
380485 2004 BS_{29}	15.6	X	78.80401	164.67911	329.73989	9.66018	0.0667449	0.18186061	3.0853916	21	4 11.3	20.0
380486 2004 BB_{50}	15.9	X	156.80677	120.02079	302.96864	8.35416	0.0773901	0.18580825	3.0415343	21	4 16.9	20.6
380487 2004 BC_{75}	17.6	X	233.27720	217.69205	296.83130	16.54222	0.0715868	0.38081952	1.8850516	21	12 14.8	19.3
380488 2004 BX_{98}	15.9	X	113.02270	93.22437	357.68734	17.00688	0.1281420	0.17831731	3.1261301	21	4 8.5	20.5
380489 2004 BS_{99}	16.4	X	106.40316	12.87854	123.36165	6.73570	0.2175035	0.18376121	3.0640804	21	6 12.5	21.1
380490 2004 BV_{140}	18.4	X	94.98530	261.75296	143.35399	2.42643	0.1398307	0.28711999	2.2755887	21	—	—
380491 2004 CM_{14}	15.9	X	1.19050	223.78039	334.09032	8.84740	0.0209350	0.17939613	3.1135846	21	3 17.5	20.1
380492 2004 CK_{21}	15.7	X	107.41212	313.46712	134.15926	11.41861	0.0763256	0.17935652	3.1140429	21	3 30.6	20.2
380493 2004 CY_{22}	18.3	X	73.33412	47.17192	41.81316	2.52153	0.1797240	0.28975664	2.2617631	21	1 29.6	19.9
380494 2004 CX_{49}	17.5	X	351.23552	245.12969	150.26641	22.77679	0.0949360	0.37909540	1.8907627	21	—	—
380495 2004 CL_{89}	17.8	X	110.65040	332.81342	77.91573	3.65158	0.1432913	0.28965516	2.2622913	21	2 3.2	20.3
380496 2004 CV_{110}	16.1	X	124.52333	322.19174	135.33033	8.37186	0.1460003	0.18442656	3.0567065	21	5 8.7	20.8
380497 2004 CB_{119}	16.9	X	151.29404	327.56770	113.52715	2.56843	0.1788526	0.18612776	3.0380525	21	5 15.1	21.9
380498 2004 DT	16.2	X	174.39416	328.21848	105.67172	4.57018	0.2430946	0.18976513	2.9991057	21	5 27.8	21.4
380499 2004 DC_{34}	17.2	X	343.50954	2.30706	163.57436	7.10404	0.1848163	0.28059078	2.3107544	21	—	—
380500 2004 DQ_{44}	17.3	X	223.66078	44.37534	164.12020	5.56846	0.1197816	0.26905519	2.3763394	21	—	—
380501 2004 DZ_{57}	18.5	X	48.96021	115.72019	358.49777	1.66317	0.1510373	0.28734148	2.2744191	21	1 14.2	20.3
380502 2004 DZ_{69}	15.9	X	118.41263	325.72472	139.76429	13.32277	0.1676094	0.18476699	3.0529507	21	5 15.7	20.8
380503 2004 EY_{2}	15.0	X	322.39647	88.86378	123.59340	21.35585	0.1197071	0.16972531	3.2307620	21	2 6.1	19.3
380504 2004 EP_{21}	17.9	X	331.90853	342.11029	179.34887	4.83374	0.1588653	0.27867758	2.3213183	21	—	—
380505 2004 EW_{44}	16.8	X	85.88307	324.71880	134.06153	5.12997	0.1140345	0.17470251	3.1691049	21	3 20.9	21.0
380506 2004 EM_{65}	15.7	X	81.51972	83.42500	74.56682	16.36664	0.1724224	0.18167212	3.0875253	21	6 4.6	20.0
380507 2004 EL_{82}	16.4	X	147.68097	54.29783	86.77151	16.15712	0.3328335	0.18944469	3.0024867	21	7 31.3	22.1
380508 2004 EU_{111}	17.5	X	18.68155	346.86925	134.51205	7.57089	0.1969100	0.28147889	2.3058913	21	—	—
380509 2004 FY_{5}	17.5	X	44.70166	14.21485	119.36017	12.54264	0.3516730	0.29148219	2.2528280	21	2 6.2	17.3
380510 2004 FF_{8}	17.3	X	58.81950	32.64528	59.18472	3.97267	0.0899157	0.28285466	2.2984082	21	—	—
380511 2004 FO_{9}	18.2	X	28.29928	297.17572	189.98309	5.19903	0.1776296	0.28391519	2.2926810	21	—	—
380512 2004 FX_{44}	16.5	X	285.01814	169.56794	17.21040	24.19477	0.1456411	0.27289247	2.3540102	21	—	—
380513 2004 FL_{47}	16.9	X	18.32078	74.35908	33.72798	6.40888	0.0537603	0.27780403	2.3261820	21	—	—
380514 2004 FF_{71}	18.3	X	35.22273	61.26158	28.46160	2.44778	0.1685740	0.27962111	2.3160934	21	—	—
380515 2004 FQ_{93}	17.2	X	220.08602	158.36327	39.68668	2.94368	0.1413840	0.26445426	2.4038222	21	12 18.4	20.4
380516 2004 FX_{95}	16.7	X	319.80340	114.84375	84.97986	6.14391	0.0870124	0.28214931	2.3022371	21	—	—
380517 2004 FR_{103}	15.6	X	11.68878	58.49978	144.52715	14.44511	0.1850420	0.17622805	3.1507892	21	4 12.4	19.2
380518 2004 FC_{122}	17.3	X	299.31032	4.56223	162.95419	5.61640	0.2001386	0.27283019	2.3543684	21	—	—
380519 2004 FW_{124}	17.8	X	321.77740	283.10784	263.05328	1.20934	0.1425320	0.27881941	2.3205310	21	—	—
380520 2004 FV_{125}	16.5	X	123.53050	277.60124	186.87898	13.16330	0.2731092	0.18212256	3.0824323	21	5 27.2	21.8
380521 2004 FX_{160}	15.7	X	28.01850	58.17255	104.80934	17.67233	0.1139614	0.17282604	3.1920028	21	3 22.9	20.0
380522 2004 GK	17.2	X	346.40976	310.22691	202.66753	6.70727	0.1469055	0.27772592	2.3266181	21	—	—
380523 2004 GQ	17.4	X	293.79959	175.00942	23.71180	6.25194	0.1471879	0.27502082	2.3418496	21	—	—
380524 2004 GY	20.1	X	302.44431	182.87114	50.86882	23.43439	0.2179314	0.56555753	1.4481655	21	—	—
380525 2004 GE_{4}	17.3	X	19.51640	326.08975	181.85580	4.92582	0.1372725	0.28288180	2.2982612	21	1 7.3	19.4
380526 2004 GN_{4}	17.9	X	322.90302	126.66518	54.60805	2.87913	0.1389412	0.27780578	2.3261722	21	—	—
380527 2004 GQ_{11}	15.6	X	111.32815	87.42584	63.74977	22.29254	0.1940146	0.18611775	3.0381615	21	7 1.4	20.5
380528 2004 GU_{12}	16.7	X	149.82368	182.39845	61.03282	11.94623	0.2033043	0.25599507	2.4564899	21	11 30.6	20.9
380529 2004 GJ_{53}	16.1	X	91.21579	297.51530	200.40843	9.96004	0.1875106	0.17881078	3.1203759	21	5 25.4	20.6
380530 2004 GL_{58}	17.8	X	107.80377	270.70882	24.43569	5.05158	0.1111533	0.25816901	2.4426804	21	12 24.7	21.4
380531 2004 GE_{59}	16.7	X	268.04966	167.71273	44.79490	7.31888	0.0924717	0.27163822	2.3612509	21	—	—
380532 2004 GT_{75}	15.4	X	52.80325	285.17265	296.67535	14.00631	0.1770304	0.18165448	3.0877252	21	7 18.6	19.2
380533 2004 GH_{77}	15.4	X	36.68690	258.88653	251.09798	24.19020	0.2278675	0.17280581	3.1922519	21	3 7.3	19.3
380534 2004 HQ_{35}	17.3	X	209.56617	6.76374	188.77113	8.67934	0.1517603	0.25957047	2.4338802	21	12 2.3	20.9
380535 2004 HL_{44}	17.2	X	219.00817	97.08210	138.30910	5.35803	0.1563036	0.26686143	2.3893449	21	—	—
380536 2004 HB_{49}	17.7	X	254.09447	166.98506	51.30720	2.08257	0.1303898	0.27087433	2.3656881	21	—	—
380537 2004 HS_{55}	15.5	X	56.14658	113.47862	59.54881	27.16676	0.1963450	0.17633946	3.1494620	21	5 21.9	19.3
380538 2004 JY_{5}	17.4	X	170.58325	131.50133	86.17098	23.31419	0.0642140	0.37124557	1.9173226	21	12 15.9	19.3
380539 2004 JG_{56}	17.4	X	72.33593	243.13799	96.99803	23.28941	0.0957121	0.37644581	1.8996244	21	—	—
380540 2004 KQ_{10}	17.4	X	243.11487	16.00020	70.54999	22.94151	0.0934373	0.36106661	1.9531900	21	9 21.4	20.2
380541 2004 KB_{13}	17.5	X	170.99915	102.68854	78.80079	23.65878	0.0659639	0.36348090	1.9445315	21	11 3.2	20.2
380542 2004 LA_{7}	17.0	X	20.50487	246.81215	62.58689	5.64447	0.3452363	0.23847846	2.5753521	21	10 30.6	19.5
380543 2004 NH_{10}	16.2	X	57.43536	2.57268	308.90932	7.54584	0.1970403	0.24257178	2.5462978	21	11 27.2	19.9
380544 2004 NV_{18}	17.3	X	29.56604	118.73748	190.43334	2.79498	0.2681490	0.23854798	2.5748517	21	10 30.9	20.2
380545 2004 NL_{22}	16.5	X	67.19166	274.41798	36.44882	4.50573	0.1724733	0.24534145	2.5270981	21	12 5.3	20.1
380546 2004 NB_{25}	17.0	X	320.28078	194.37211	147.62234	7.34844	0.3894439	0.22775524	2.6555662	21	6 3.1	19.9
380547 2004 NR_{30}	16.6	X	7.44881	2.84338	296.36200	10.92891	0.2222510	0.23351990	2.6116809	21	8 17.9	18.8
380548 2004 NR_{33}	17.1	X	344.05348	266.46414	71.52503	13.66782	0.3026661	0.23234642	2.6204672	21	8 31.9	19.0
380549 2004 OJ_{4}	16.9	X	26.43722	241.51540	76.26392	5.95300	0.3282126	0.23870670	2.5737102	21	11 17.4	19.8
380550 2004 OT_{5}	16.3	X	66.73199	354.74275	304.63571	16.99636	0.1233417	0.24414458	2.5353504	21	11 8.8	20.2
380551 2004 OO_{9}	16.8	X	32.57514	321.56800	2.35769	3.36775	0.2254450	0.24044511	2.5612900	21	11 16.1	19.8
380552 2004 PA	17.2	X	338.03820	146.14035	180.78015	12.26828	0.3199134	0.23069990	2.6329207	21	7 5.3	19.2
380553 2004 PX_{10}	17.1	X	30.33221	106.80589	223.79424	2.26839	0.1658632	0.24026395	2.5625773	21	11 13.3	19.9
380554 2004 PC_{16}	17.1	X	306.71715	86.47920	292.40260	5.70221	0.3355881	0.22831536	2.6512212	21	7 12.1	20.0
380555 2004 PZ_{16}	16.9	X	355.87866	60.22096	311.49073	11.50806	0.1649001	0.23775766	2.5805545	21	11 5.9	19.8
380556 2004 PN_{48}	17.1	X	324.45080	70.30680	276.20040	2.79373	0.2942851	0.23021019	2.6366533	21	7 7.0	19.1
380557 2004 PT_{51}	17.2	X	70.91081	162.55788	117.80322	7.36010	0.2542300	0.24094025	2.5577797	21	11 13.1	21.2
380558 2004 PC_{81}	16.9	X	7.07203	342.99170	341.71241	3.12837	0.2586853	0.23440517	2.6051011	21	10 5.4	18.9
380559 2004 PR_{106}	16.7	X	16.27291	172.23706	155.91296	15.32240	0.1055942	0.23577001	2.5950377	21	10 13.1	19.9
380560 2004 PQ_{109}	16.7	X	335.36786	88.47042	298.87276	8.50713	0.1824365	0.23936842	2.5689648	21	10 18.3	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380561 2004 QQ_5	17.3	X	25.12758	321.51032	347.25300	2.03194	0.2049582	0.23478233	2.6023105	21	10 10.2	20.1
380562 2004 QF_9	16.1	X	29.60540	280.46813	71.23083	13.39771	0.2468818	0.24202935	2.5501009	21	12 22.5	19.3
380563 2004 QB_{18}	16.3	X	295.59524	60.06171	302.08001	11.77853	0.2935878	0.22250661	2.6971646	21	6 8.6	20.0
380564 2004 QK_{18}	16.4	X	315.65589	172.89800	179.41827	14.09312	0.2756181	0.22551796	2.6731006	21	6 29.7	19.5
380565 2004 QO_{19}	17.2	X	315.94794	233.67456	90.84650	16.25095	0.3478731	0.22656645	2.6648472	21	5 13.6	20.6
380566 2004 QW_{24}	16.0	X	43.33850	232.90687	81.90980	34.51076	0.2559488	0.23813354	2.5778383	21	11 30.0	19.7
380567 2004 RD_{13}	16.8	X	335.52340	185.99424	165.15192	14.58473	0.2676918	0.23037914	2.6353640	21	8 17.3	18.7
380568 2004 RW_{22}	17.3	X	324.37221	337.27166	39.96550	1.36207	0.1948808	0.23187635	2.6240075	21	9 10.8	19.7
380569 2004 RR_{25}	15.9	X	307.14199	5.52373	3.52170	13.48012	0.1715089	0.22612755	2.6682943	21	8 2.5	19.2
380570 2004 RD_{40}	16.4	X	318.92910	277.46518	121.68614	14.61346	0.2206990	0.23299883	2.6155733	21	10 7.5	19.0
380571 2004 RF_{56}	17.5	X	38.21316	7.95645	298.04006	2.73747	0.2256253	0.23657720	2.5891316	21	10 30.3	20.7
380572 2004 RW_{93}	17.5	X	342.99251	136.61379	184.55721	13.27036	0.2816936	0.22978180	2.6399293	21	7 15.3	19.7
380573 2004 RL_{110}	16.1	X	276.20162	117.75513	322.23996	29.94701	0.3272685	0.23015568	2.6370695	21	8 20.0	19.7
380574 2004 RL_{114}	16.8	X	244.94873	256.66699	270.73061	2.29672	0.1168521	0.24574667	2.5243193	21	12 9.9	20.1
380575 2004 RT_{162}	15.7	X	338.04891	35.19542	286.89278	12.77578	0.2643277	0.22739471	2.6583724	21	7 7.3	17.5
380576 2004 RE_{163}	17.0	X	321.32330	171.90181	165.78450	5.94612	0.0987447	0.22670657	2.6637490	21	7 16.1	20.1
380577 2004 RJ_{169}	16.7	X	38.62271	319.59104	1.87591	11.53680	0.0710752	0.23670620	2.5881908	21	10 24.9	20.0
380578 2004 RR_{180}	17.1	X	336.15700	110.95898	277.82061	4.40174	0.2339994	0.23402401	2.6079291	21	10 24.6	19.0
380579 2004 RP_{183}	16.3	X	252.52790	105.64031	303.73370	12.56584	0.1323438	0.22537481	2.6742324	21	7 13.1	20.2
380580 2004 RZ_{187}	16.5	X	278.80172	229.19496	206.85211	13.46789	0.2446676	0.22900509	2.6458951	21	8 29.7	20.1
380581 2004 RS_{195}	16.7	X	288.17336	50.47391	314.22376	9.97542	0.1848185	0.22321284	2.6914724	21	6 20.0	20.4
380582 2004 RD_{206}	16.5	X	343.97960	38.03156	315.14692	8.87803	0.0699406	0.23081645	2.6320343	21	9 13.7	19.6
380583 2004 RK_{209}	16.7	X	5.06643	112.90090	216.74177	10.67402	0.2656160	0.23407967	2.6075156	21	10 8.6	18.8
380584 2004 RG_{216}	16.5	X	342.76297	49.98463	306.22333	10.24195	0.1821213	0.23087500	2.6315893	21	9 14.1	19.0
380585 2004 RW_{217}	16.1	X	7.68243	114.67099	251.42886	10.27575	0.1443265	0.23540995	2.5976831	21	11 20.9	19.0
380586 2004 RJ_{234}	17.1	X	283.00873	18.12883	36.41651	3.34655	0.1249316	0.22693579	2.6619551	21	8 31.7	20.4
380587 2004 RP_{243}	17.3	X	79.54500	229.32752	34.21228	1.09698	0.1210529	0.23514304	2.5996485	21	10 13.1	20.7
380588 2004 RY_{250}	16.1	X	282.74398	160.15191	248.80789	13.54164	0.1132343	0.22862616	2.6488179	21	8 16.9	19.8
380589 2004 RX_{252}	16.2	X	312.79844	108.28192	300.28171	21.33573	0.1199398	0.23303608	2.6152945	21	9 26.1	19.8
380590 2004 RP_{288}	16.4	X	14.05260	187.67220	142.59052	14.86791	0.1992260	0.23400163	2.6080953	21	10 26.7	19.4
380591 2004 RP_{312}	16.3	X	328.67843	311.28762	7.70554	14.27054	0.1965617	0.22645312	2.6657362	21	6 18.9	19.4
380592 2004 RE_{323}	16.2	X	341.39438	1.26412	329.46070	12.36713	0.1762208	0.22719869	2.6599012	21	8 9.4	18.6
380593 2004 RY_{323}	16.6	X	329.72960	41.06955	341.21864	10.51962	0.1894506	0.23049163	2.6345065	21	9 26.9	19.0
380594 2004 RA_{341}	16.5	X	319.21363	288.85380	88.43915	13.57920	0.1741454	0.22949758	2.6421084	21	9 8.7	19.5
380595 2004 RU_{341}	17.1	X	158.86149	280.74982	311.49963	2.71183	0.1238411	0.24276227	2.5449657	21	11 24.8	21.0
380596 2004 SX_3	17.1	X	335.73658	5.23318	6.46718	5.38258	0.2112311	0.23204173	2.6227606	21	9 27.8	19.1
380597 2004 SB_4	16.0	X	4.36719	262.46360	80.97971	15.66909	0.1630819	0.23520864	2.5991651	21	10 24.9	19.0
380598 2004 SE_{22}	16.7	X	357.27140	213.26503	153.98308	14.15292	0.1718609	0.23756363	2.5819595	21	11 12.8	19.6
380599 2004 SW_{28}	16.7	X	343.40295	344.59729	357.21226	11.59393	0.1449843	0.22946321	2.6423723	21	9 2.2	19.4
380600 2004 SV_{40}	16.4	X	318.84019	154.34997	199.07543	13.92535	0.2638993	0.22497351	2.6774115	21	7 8.3	19.4
380601 2004 SD_{54}	16.2	X	310.66355	185.25245	186.02897	18.37848	0.0853163	0.22739943	2.6583355	21	8 14.5	19.7
380602 2004 TE_{14}	16.3	X	277.78321	351.39313	39.01815	17.88314	0.3036716	0.22293933	2.6936733	21	6 21.5	20.6
380603 2004 TO_{47}	17.0	X	7.67275	110.18618	203.96284	5.33895	0.1440328	0.22704638	2.6610906	21	9 4.3	19.7
380604 2004 TN_{56}	17.1	X	338.98939	141.26048	207.12093	7.68985	0.1098908	0.22857731	2.6491953	21	8 29.2	20.1
380605 2004 TO_{62}	16.7	X	309.67088	167.75741	213.79080	11.64355	0.1969369	0.22700705	2.6613980	21	8 10.9	19.9
380606 2004 TC_{68}	16.6	X	307.87221	298.56967	66.80736	8.46299	0.2348058	0.22554660	2.6728742	21	7 13.7	19.7
380607 Sharma	16.6	X	5.63386	305.93205	13.99439	10.54965	0.1597486	0.22947614	2.6422730	21	9 15.8	19.2
380608 2004 TA_{70}	16.5	X	321.35926	238.50315	114.33970	5.25351	0.2600898	0.22606210	2.6688093	21	7 16.3	18.7
380609 2004 TP_{75}	17.2	X	317.60916	30.92675	335.05184	3.27392	0.1718507	0.22574362	2.6713188	21	8 12.1	20.0
380610 2004 TE_{96}	16.4	X	223.21345	94.66640	26.61762	8.17603	0.0594028	0.22753940	2.6572453	21	9 21.8	20.2
380611 2004 TD_{102}	17.2	X	256.53467	241.06414	200.20831	3.44104	0.1079933	0.22478574	2.6789023	21	8 30.9	20.9
380612 2004 TK_{123}	16.2	X	331.98596	191.09012	185.48451	13.72226	0.1621452	0.22941114	2.6427721	21	9 27.6	18.7
380613 2004 TE_{126}	17.0	X	298.92161	347.77580	72.25241	3.59995	0.2026461	0.23037722	2.6353786	21	9 23.1	19.7
380614 2004 TJ_{139}	16.9	X	330.69581	176.36563	220.01478	5.90514	0.1665934	0.23304188	2.6152511	21	10 25.1	19.2
380615 2004 TQ_{161}	17.2	X	288.09711	357.31793	32.63589	2.36435	0.1542523	0.22323020	2.6913329	21	7 30.3	20.5
380616 2004 TW_{204}	17.1	X	271.96268	18.85010	38.02434	3.56095	0.1002357	0.22260632	2.6963590	21	8 22.7	20.7
380617 2004 TT_{220}	16.0	X	295.65436	355.39192	15.45344	13.89593	0.1119181	0.22057068	2.7129234	21	7 25.9	19.7
380618 2004 TS_{228}	16.5	X	293.17409	72.22361	17.97302	6.98492	0.1175803	0.23377459	2.6097837	21	11 3.9	19.4
380619 2004 TX_{249}	16.4	X	320.92317	238.43396	145.12378	13.88370	0.2771580	0.22811110	2.6528037	21	9 1.9	18.5
380620 2004 TS_{274}	17.2	X	261.53932	17.36026	26.01051	4.98945	0.1272007	0.21985770	2.7187854	21	7 16.9	21.0
380621 2004 TU_{278}	16.4	X	332.79017	355.69905	58.74647	5.93760	0.2140062	0.23297411	2.6157583	21	11 27.0	18.4
380622 2004 TW_{287}	15.7	X	293.23484	16.28152	38.38596	22.60697	0.0403540	0.22706827	2.6609196	21	10 6.2	19.4
380623 2004 TM_{294}	16.4	X	307.53663	183.16356	237.63964	12.97227	0.2074353	0.23075634	2.6324913	21	10 3.8	19.1
380624 2004 TU_{298}	17.4	X	286.99177	92.42936	307.06879	0.91595	0.2081798	0.22502939	2.6769683	21	8 1.2	20.8
380625 2004 TQ_{302}	16.3	X	310.68475	323.07836	42.68972	12.60292	0.1982133	0.22528593	2.6749356	21	7 29.4	19.5
380626 2004 TZ_{336}	16.3	X	347.43740	297.45639	71.12568	11.03655	0.1574301	0.23189857	2.6238399	21	10 23.7	19.0
380627 2004 TM_{349}	17.2	X	200.21612	247.03727	214.47894	1.73108	0.0604064	0.21872795	2.7281392	21	7 26.3	21.0
380628 2004 TO_{349}	16.8	X	288.74744	187.91338	191.40613	4.24401	0.2184754	0.22238336	2.6981610	21	7 4.5	20.4
380629 2004 TO_{356}	16.3	X	300.82303	24.88519	63.22788	12.33683	0.2236445	0.23349078	2.6118981	21	11 5.5	18.7
380630 2004 UM_1	16.3	X	216.06957	211.24405	241.95221	12.81119	0.1663728	0.22051766	2.7133582	21	7 22.5	20.9
380631 2004 VT_{19}	16.7	X	212.10574	216.06666	222.91694	13.17521	0.1732934	0.21551377	2.7551972	21	7 2.2	21.4
380632 2004 VH_{22}	16.4	X	285.87468	13.65781	46.30116	6.64747	0.2058281	0.22406804	2.6846197	21	9 1.1	19.8
380633 2004 VP_{81}	16.2	X	307.20071	267.96742	71.32406	15.00371	0.1298878	0.21773628	2.7364164	21	6 20.8	19.6
380634 2004 VD_{112}	16.0	X	289.24648	303.00557	81.90244	14.11603	0.1912162	0.22186087	2.7023955	21	7 18.9	19.5
380635 2004 XR_9	15.8	X	303.90703	129.72142	254.66697	11.57224	0.2062337	0.22307891	2.6925496	21	8 2.6	19.2
380636 2004 XN_{14}	19.7	X	29.61164	115.72669	120.85701	10.74387	0.2664277	1.09657759	0.9313433	21	11 25.3	18.7
380637 2004 XK_{22}	15.8	X	311.00864	143.87163	249.29199	12.28474	0.1695220	0.22530070	2.6748187	21	9 1.3	19.1
380638 2004 XK_{23}	16.0	X	352.31851	111.40578	266.82246	10.22236	0.3143064	0.22935641	2.6431925	21	11 30.3	17.9
380639 2004 XN_{42}	16.6	X	261.44407	176.86674	244.61655	3.93524	0.1611650	0.22016915	2.7162208	21	8 2.5	20.5
380640 2004 XU_{56}	17.3	X	192.68433	115.02615	1.56588	2.42772	0.1299021	0.21379426	2.7699506	21	8 4.6	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380641 2004 XN_{107}	15.7	X	313.40376	104.86055	282.29353	11.45412	0.2747098	0.22441046	2.6818881	21	8 13.8	18.5
380642 2004 XD_{121}	16.7	X	251.91063	322.07725	119.48788	2.80609	0.2024166	0.21804701	2.7338161	21	8 13.9	20.8
380643 2004 XS_{124}	16.4	X	303.84026	95.59263	308.39087	10.31142	0.2049751	0.22750971	2.6574764	21	9 1.8	19.4
380644 2004 XG_{125}	16.4	X	218.10668	116.04166	342.38593	11.46103	0.2597783	0.21427128	2.7658380	21	7 31.4	21.2
380645 2004 XA_{138}	16.5	X	294.52314	242.91330	97.39516	6.54088	0.2391272	0.21419471	2.7664971	21	5 19.5	20.2
380646 2004 XL_{140}	17.1	X	242.59986	323.95022	120.27871	5.03572	0.1298166	0.21589222	2.7519765	21	8 16.1	21.0
380647 2004 XC_{163}	15.9	X	307.53729	320.11060	71.17009	13.20928	0.3259575	0.22281481	2.6946767	21	8 6.9	18.9
380648 2004 XH_{192}	16.7	X	229.80441	201.25529	238.24230	6.41176	0.0900313	0.21502939	2.7593333	21	7 27.9	20.8
380649 2004 YU_{4}	16.1	X	259.15876	354.24894	97.33740	14.25274	0.1776815	0.22306144	2.6926901	21	9 14.6	20.1
380650 2004 YM_{27}	16.2	X	328.70994	277.21295	77.31768	10.58321	0.2378153	0.22226992	2.6990790	21	8 13.3	18.8
380651 2004 YS_{27}	16.2	X	317.56647	114.38788	278.98693	11.88615	0.1584451	0.22352000	2.6890061	21	9 14.9	19.3
380652 2005 AL_{6}	15.9	X	202.04804	358.39165	122.58420	16.04394	0.1187241	0.21330218	2.7742091	21	8 21.4	20.2
380653 2005 AR_{38}	15.9	X	259.71248	318.54403	132.74772	14.66116	0.1613840	0.21894160	2.7263641	21	9 13.7	19.8
380654 2005 BV_{28}	16.1	X	199.11330	98.79339	115.83756	14.64709	0.1493501	0.22431973	2.6826112	21	12 10.7	20.4
380655 2005 CZ_{2}	16.5	X	225.08947	147.86659	315.72967	11.68457	0.1589111	0.21346470	2.7728008	21	8 16.9	20.7
380656 2005 CQ_{52}	16.0	X	261.56456	346.57848	129.32999	15.15217	0.0358085	0.21972889	2.7198478	21	11 8.6	20.0
380657 2005 DN_{1}	16.5	X	343.55602	318.83099	215.72505	0.51747	0.1388900	0.17947595	3.1126613	21	1 14.3	20.5
380658 2005 EM_{12}	18.1	X	75.36590	33.77620	101.01654	3.96836	0.2195699	0.31136654	2.1558643	21	4 21.9	19.8
380659 2005 EL_{19}	16.3	X	307.99122	268.91065	4.14878	4.08586	0.1280687	0.18598218	3.0396377	21	3 29.0	20.3
380660 2005 EV_{54}	16.5	X	157.49911	87.35752	349.03166	10.16215	0.0506202	0.19303520	2.9651389	21	5 1.9	21.0
380661 2005 EF_{137}	17.9	X	318.49501	197.98899	17.04705	4.12834	0.1200157	0.29851672	2.2172956	21	1 7.8	20.6
380662 2005 EM_{152}	16.0	X	344.13322	111.01394	121.41109	2.27633	0.1377766	0.18404016	3.0609835	21	3 30.3	19.6
380663 2005 EF_{187}	16.0	X	309.27303	255.57455	8.62601	9.79634	0.0572723	0.18360900	3.0657735	21	3 30.1	20.1
380664 2005 EE_{217}	16.0	X	31.42240	84.10655	106.91508	6.74397	0.1553072	0.19086043	2.9876206	21	4 29.3	19.4
380665 2005 EF_{224}	16.1	X	28.89837	45.12293	12.45065	23.21251	0.3973370	0.29525501	2.2335955	21	—	—
380666 2005 EV_{248}	16.3	X	351.45409	163.23285	36.68544	3.04219	0.1338318	0.18309228	3.0715390	21	2 28.7	19.9
380667 2005 EV_{257}	16.2	X	178.47225	193.51184	193.49704	11.30032	0.1033889	0.18540879	3.0459013	21	3 31.9	20.9
380668 2005 EA_{279}	16.3	X	121.28231	287.56585	185.35371	9.35179	0.1061709	0.18960500	3.0007940	21	5 18.1	20.8
380669 2005 EV_{281}	15.7	X	324.21000	130.84907	115.99972	10.13472	0.0897912	0.18324608	3.0698201	21	3 28.7	19.9
380670 2005 EO_{282}	15.5	X	205.65748	328.14781	9.10655	11.25102	0.0875247	0.17821060	3.1273778	21	3 3.7	20.4
380671 2005 GZ_{19}	16.2	X	6.68527	9.87610	204.47718	7.94538	0.0245816	0.18393497	3.0621504	21	4 16.1	20.1
380672 2005 GL_{23}	18.2	X	252.95977	217.63921	57.69008	2.31787	0.1566868	0.29494678	2.2351514	21	1 11.9	21.6
380673 2005 GN_{25}	16.7	X	349.60464	339.79845	222.69027	0.15667	0.1271041	0.18010499	3.1054095	21	2 28.9	20.4
380674 2005 GF_{39}	16.3	X	217.01673	354.73539	16.73171	9.35705	0.0938498	0.18860457	3.0113962	21	4 19.5	20.9
380675 2005 GH_{45}	17.4	X	304.24471	104.84026	121.54982	7.41717	0.1201447	0.29831431	2.2182985	21	1 4.6	20.4
380676 2005 GN_{51}	16.4	X	105.89994	257.71157	199.38068	10.05869	0.0232631	0.18234336	3.0799435	21	3 27.6	20.6
380677 2005 GX_{52}	16.0	X	173.91301	321.14439	40.24822	9.71067	0.0775853	0.17388445	3.1790368	21	3 1.9	20.9
380678 2005 GO_{76}	16.0	X	199.47507	43.03375	26.51518	20.20228	0.2046297	0.19652577	2.9299242	21	6 6.1	21.3
380679 2005 GS_{79}	15.2	X	315.99494	152.24168	78.53415	18.17341	0.1437986	0.17745706	3.1362249	21	2 21.3	19.8
380680 2005 GK_{80}	15.7	X	302.62149	159.63132	79.90941	6.78337	0.0750451	0.17639226	3.1488335	21	2 20.9	20.2
380681 2005 GN_{95}	18.1	X	52.53334	301.41438	183.55361	6.62570	0.0386613	0.29939967	2.2129342	21	1 29.9	20.5
380682 2005 GK_{98}	15.6	X	158.77251	204.90800	303.21701	8.50248	0.1900936	0.20065024	2.8896346	21	8 10.3	20.5
380683 2005 GY_{103}	15.3	X	317.80809	189.83247	57.43897	19.54584	0.1972879	0.17841671	3.1249689	21	3 12.6	19.8
380684 2005 GZ_{106}	17.6	X	98.28330	60.73849	37.74447	7.66140	0.0351498	0.30302233	2.1952616	21	3 7.8	20.1
380685 2005 GE_{109}	17.7	X	272.19242	168.94216	73.36399	2.53192	0.1215338	0.29321787	2.2439289	21	—	—
380686 2005 GR_{111}	18.0	X	298.53744	46.44298	201.46022	3.80477	0.1068004	0.29891040	2.2153484	21	1 26.9	20.8
380687 2005 JG_{5}	15.4	X	194.39270	283.86908	117.74181	16.22755	0.0807672	0.18235023	3.0798661	21	5 11.2	20.4
380688 2005 JA_{13}	16.3	X	36.07090	151.16239	39.12599	11.03589	0.0276617	0.18532087	3.0468647	21	4 25.2	20.5
380689 2005 JB_{17}	17.1	X	240.77686	310.49326	317.64839	6.66055	0.1285655	0.29137458	2.2533826	21	—	—
380690 2005 JW_{24}	16.6	X	5.28952	4.04717	172.92531	1.61228	0.0491453	0.17615932	3.1516087	21	2 26.3	20.6
380691 2005 JW_{27}	15.4	X	299.50209	139.82494	107.03620	17.92002	0.1943587	0.17499526	3.1655696	21	2 9.6	20.1
380692 2005 JJ_{32}	17.9	X	248.90704	22.60553	224.53685	7.75202	0.0765890	0.28898393	2.2657931	21	—	—
380693 2005 JY_{35}	15.8	X	52.75126	81.48605	88.95017	10.44345	0.0332143	0.18127559	3.0920262	21	4 27.0	20.1
380694 2005 JU_{59}	17.4	X	289.10681	70.94804	124.83705	4.73240	0.0381936	0.28770335	2.2725116	21	—	—
380695 2005 JP_{60}	15.1	X	289.28631	187.00429	66.18668	30.36136	0.1635943	0.17300185	3.1898399	21	2 19.6	20.4
380696 2005 JB_{82}	15.8	X	299.51896	166.00254	100.05717	11.51743	0.1073485	0.17720310	3.1392207	21	3 19.5	20.4
380697 2005 JV_{83}	16.2	X	323.38699	8.65088	211.62171	3.17007	0.1517056	0.17543569	3.1602692	21	2 9.3	20.4
380698 2005 JK_{85}	15.4	X	312.82211	166.96269	60.59898	30.10777	0.1990632	0.17406375	3.1768533	21	2 8.5	20.4
380699 2005 JE_{88}	16.7	X	59.71083	326.38024	221.14899	4.23586	0.1479804	0.19130576	2.9829823	21	6 8.5	20.4
380700 2005 JM_{111}	15.3	X	280.34935	237.63185	47.07218	16.42182	0.0445731	0.17945571	3.1128954	21	3 29.5	19.9
380701 2005 JK_{117}	15.7	X	144.21486	336.20121	86.02505	12.52687	0.1322084	0.17855451	3.1233609	21	4 17.9	20.7
380702 2005 JE_{133}	16.1	X	75.97305	337.84804	193.64792	7.65145	0.2027978	0.18789795	3.0189414	21	6 19.2	20.3
380703 2005 JS_{141}	15.7	X	2.96892	157.51755	69.53955	10.36990	0.1344705	0.18231464	3.0802669	21	4 27.3	19.3
380704 2005 JR_{157}	15.3	X	300.72877	174.52733	50.34249	28.12601	0.1216338	0.17146693	3.2088479	21	1 31.8	20.4
380705 2005 KT_{3}	15.6	X	262.04160	258.86290	59.27723	11.67276	0.0105274	0.18216767	3.0819234	21	4 18.1	20.0
380706 2005 KH_{6}	17.2	X	125.58154	222.36150	69.76427	11.41791	0.2644584	0.27055008	2.3675779	21	—	—
380707 2005 LE_{39}	15.3	X	334.25921	121.72800	91.56964	25.77659	0.1149566	0.17431646	3.1737822	21	3 3.8	19.9
380708 2005 LG_{53}	18.0	X	61.96191	44.58726	290.69314	3.16015	0.2152367	0.26018123	2.4300698	21	—	—
380709 2005 MK_{19}	15.9	X	6.10185	73.94692	157.43780	11.84734	0.1402815	0.18263576	3.0766552	21	5 9.1	19.6
380710 2005 MN_{32}	16.1	X	313.12384	282.98485	307.32766	26.77456	0.3674128	0.23272846	2.6175986	21	1 6.5	20.3
380711 2005 NN_{43}	17.9	X	312.59218	276.87699	281.71137	6.18910	0.1432462	0.28648683	2.2789402	21	—	—
380712 2005 NG_{49}	17.3	X	126.95816	201.47376	132.37085	6.38754	0.2173399	0.27119852	2.3638024	21	—	—
380713 2005 NY_{67}	18.3	X	186.35288	48.17131	240.21798	0.98483	0.1805670	0.27785771	2.3258824	21	—	—
380714 2005 NF_{93}	17.0	X	82.87020	207.01079	161.20055	6.34869	0.1155439	0.27008624	2.3702878	21	—	—
380715 2005 OC_{15}	16.9	X	134.52049	277.28945	40.48302	6.84579	0.1303552	0.27183890	2.3600887	21	—	—
380716 2005 OS_{20}	17.5	X	153.43241	303.86523	3.14344	2.43707	0.1194558	0.27185150	2.3600157	21	—	—
380717 2005 QD_{11}	18.0	X	60.87425	0.88971	344.38867	1.85762	0.2226765	0.25931697	2.4354661	21	—	—
380718 2005 QD_{20}	16.8	X	67.83748	34.07237	332.33039	8.19522	0.2452824	0.26310170	2.4120536	21	—	—
380719 2005 QY_{44}	17.1	X	125.57748	345.48256	352.40429	6.61153	0.1365563	0.26993940	2.3711473	21	—	—
380720 2005 QL_{58}	18.8	X	25.06069	304.41120	50.05281	1.25302	0.3073506	0.25403790	2.4690907	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380721 2005 QL_{131}	17.1	X	33.26274	353.49016	47.72151	3.10411	0.2175780	0.26099120	2.4250394	21	—	—
380722 2005 QY_{133}	17.7	X	120.75303	301.41124	353.11064	1.83845	0.1824154	0.26288555	2.4133755	21	—	—
380723 2005 QO_{139}	17.4	X	53.17996	4.10548	18.00753	3.16174	0.0910369	0.26264177	2.4148687	21	—	—
380724 2005 QD_{141}	17.0	X	133.23217	150.58753	145.66369	5.24288	0.1504596	0.26531381	2.3986275	21	—	—
380725 2005 QN_{158}	17.5	X	123.95358	199.95638	107.87829	3.59911	0.1824143	0.26484722	2.4014439	21	—	—
380726 2005 QZ_{177}	17.4	X	35.99201	104.46927	310.30571	1.82343	0.2127481	0.26214238	2.4179346	21	—	—
380727 2005 QE_{183}	17.3	X	86.57423	100.07835	272.55916	4.50931	0.1713078	0.26692888	2.3889424	21	—	—
380728 2005 RM_{13}	17.3	X	329.16115	356.16087	354.33890	16.52374	0.2596784	0.24582173	2.5238054	21	8 10.5	19.5
380729 2005 RX_{30}	16.7	X	49.41742	110.44060	284.49988	7.91855	0.3246031	0.26019347	2.4299935	21	—	—
380730 2005 RH_{32}	17.7	X	352.77258	75.85141	2.28889	18.89105	0.0814610	0.38507874	1.8711260	21	—	—
380731 2005 RU_{47}	17.2	X	31.78676	10.95712	49.95830	8.37709	0.1296039	0.26209163	2.4182468	21	—	—
380732 2005 SB_{7}	17.5	X	20.19571	195.07422	203.22756	3.73771	0.2005820	0.25688250	2.4508292	21	—	—
380733 2005 SY_{7}	16.8	X	57.96857	263.90545	111.92920	6.83730	0.1080367	0.26263843	2.4148892	21	—	—
380734 2005 SW_{22}	17.4	X	26.40362	338.36093	33.59887	5.73581	0.2185652	0.25535271	2.4606079	21	—	—
380735 2005 SP_{26}	17.3	X	11.10580	4.14089	49.47632	2.78868	0.1653098	0.25808769	2.4431935	21	—	—
380736 2005 SJ_{27}	17.7	X	113.85064	337.39983	310.29514	4.55843	0.2260753	0.25959263	2.4337417	21	12 26.1	21.8
380737 2005 SD_{39}	17.9	X	29.34366	188.79907	185.73783	2.16935	0.2059818	0.25561213	2.4589427	21	—	—
380738 2005 SM_{49}	17.3	X	58.48062	337.92886	39.27112	2.04755	0.1918698	0.25991448	2.4317321	21	—	—
380739 2005 SA_{72}	17.0	X	32.82266	43.80339	359.91549	3.50902	0.2413001	0.25930717	2.4355275	21	—	—
380740 2005 SK_{87}	17.3	X	192.46492	233.17861	36.40967	1.91837	0.1653336	0.26891217	2.3771819	21	—	—
380741 2005 SM_{89}	16.9	X	326.17335	354.79515	15.82397	15.27781	0.1317244	0.24278405	2.5448135	21	9 16.3	19.6
380742 2005 SW_{97}	17.2	X	77.98711	67.77229	256.87930	5.56772	0.1412568	0.25688324	2.4508245	21	—	—
380743 2005 SR_{102}	17.3	X	349.68552	197.75544	272.79822	4.13607	0.1788274	0.26131064	2.4230627	21	—	—
380744 2005 SU_{110}	18.0	X	14.81970	152.23940	244.45093	0.54922	0.1912148	0.25535408	2.4605990	21	—	—
380745 2005 SW_{114}	17.9	X	62.60459	0.68813	337.71928	1.59773	0.2196975	0.25721290	2.4487299	21	—	—
380746 2005 SF_{116}	17.9	X	71.63213	46.80298	294.65388	0.56976	0.1879806	0.25892652	2.4379139	21	—	—
380747 2005 SV_{123}	17.7	X	42.78410	8.97876	32.44682	2.51537	0.1802652	0.26139624	2.4225337	21	—	—
380748 2005 SH_{139}	17.6	X	13.13440	23.49337	69.30288	2.20972	0.1508563	0.26390350	2.4071655	21	—	—
380749 2005 SE_{143}	16.6	X	174.63871	230.06168	24.40936	9.55222	0.0941471	0.26203114	2.4186189	21	—	—
380750 2005 SA_{144}	17.3	X	232.67888	14.45777	165.80296	6.63651	0.0227807	0.25731062	2.4481099	21	12 27.1	20.5
380751 2005 SF_{145}	18.2	X	57.54320	210.11185	124.40074	2.43772	0.1941863	0.25608538	2.4559123	21	12 29.4	21.7
380752 2005 SO_{159}	16.9	X	79.09327	42.45764	283.75997	7.09385	0.1851106	0.25861193	2.4398905	21	—	—
380753 2005 SC_{160}	17.5	X	68.77591	336.68472	6.85315	2.57053	0.2034772	0.26105490	2.4246450	21	—	—
380754 2005 SS_{190}	17.5	X	18.91298	322.40426	61.53151	3.08924	0.2167989	0.25429051	2.4674553	21	—	—
380755 2005 SG_{200}	17.6	X	298.63503	95.80735	37.27871	2.03782	0.1267267	0.25811217	2.4430390	21	—	—
380756 2005 SU_{253}	17.6	X	79.02766	84.55486	255.18657	0.46213	0.2002214	0.26295072	2.4129767	21	—	—
380757 2005 ST_{261}	17.9	X	50.33257	232.32763	198.96028	7.10344	0.2316314	0.26709323	2.3879623	21	—	—
380758 2005 SG_{268}	17.2	X	28.47807	29.42573	326.97028	6.04954	0.1324208	0.25355491	2.4722252	21	12 12.2	20.2
380759 2005 TL_{5}	16.9	X	83.84785	114.51316	289.91244	5.11346	0.1127023	0.26828724	2.3808720	21	—	—
380760 2005 TK_{43}	17.4	X	99.24791	172.83425	168.71643	1.15949	0.2018998	0.26420145	2.4053554	21	—	—
380761 2005 TN_{63}	17.8	X	153.74036	118.55129	201.17890	4.42860	0.2457645	0.27358215	2.3500524	21	—	—
380762 2005 TW_{71}	16.7	X	46.90959	8.86353	9.34158	16.10373	0.1897265	0.26094495	2.4253260	21	—	—
380763 2005 TQ_{87}	17.7	X	2.26095	25.48436	45.04852	3.13077	0.1678727	0.25802459	2.4435917	21	—	—
380764 2005 TM_{116}	17.6	X	101.49060	110.44978	209.45270	6.50654	0.1113337	0.26054544	2.4278046	21	—	—
380765 2005 TM_{127}	17.7	X	349.24769	276.96115	209.67760	5.09359	0.0546680	0.26601493	2.3944110	21	—	—
380766 2005 TZ_{138}	17.5	X	97.23740	271.36243	48.58100	4.21480	0.2034911	0.26027030	2.4295153	21	—	—
380767 2005 TA_{153}	17.3	X	355.23387	310.58067	127.85366	2.05378	0.1606037	0.25961426	2.4336065	21	—	—
380768 2005 TW_{188}	17.5	X	306.72973	210.29338	327.63964	3.43101	0.0809673	0.26693163	2.3889260	21	—	—
380769 2005 UZ_{65}	16.6	X	348.01708	213.84325	234.57327	5.30200	0.0955389	0.25737251	2.4477174	21	—	—
380770 2005 US_{90}	17.1	X	34.38383	106.08611	270.13254	5.14656	0.1258597	0.25403101	2.4691353	21	—	—
380771 2005 UW_{209}	17.5	X	29.00235	107.63531	341.52891	1.70726	0.1776550	0.26359646	2.4090344	21	—	—
380772 2005 UZ_{215}	17.8	X	352.02781	13.58480	56.03276	6.12328	0.2695884	0.25299251	2.4758877	21	—	—
380773 2005 UF_{223}	17.0	X	202.74068	213.76066	14.25309	6.32956	0.0912495	0.25756710	2.4464845	21	—	—
380774 2005 UX_{242}	16.6	X	40.18623	91.15886	274.80970	5.12099	0.1682848	0.25230408	2.4803894	21	—	—
380775 2005 UW_{315}	17.9	X	26.06582	338.28749	103.90943	2.27369	0.1503881	0.26107317	2.4245318	21	—	—
380776 2005 UW_{328}	17.1	X	231.28285	197.63861	48.65360	6.90633	0.0966165	0.26630450	2.3926750	21	—	—
380777 2005 UZ_{349}	16.9	X	25.86775	308.89296	92.56886	9.66817	0.2067731	0.25552059	2.4595299	21	—	—
380778 2005 UO_{353}	16.9	X	294.02450	15.80275	23.60204	11.48056	0.1156675	0.23907622	2.5710575	21	9 3.1	20.1
380779 2005 UF_{403}	15.5	X	331.27368	349.99236	103.40749	3.77539	0.2053188	0.12526420	3.9559556	21	12 12.3	19.8
380780 2005 UT_{510}	16.5	X	79.75451	193.18898	66.97438	16.04081	0.1411789	0.23820623	2.5773138	21	10 19.2	20.4
380781 2005 UN_{513}	16.0	X	298.72432	162.49026	324.41041	2.05982	0.1705862	0.12469933	3.9678931	21	11 30.6	21.1
380782 2005 UT_{513}	16.6	X	315.94701	100.32026	3.02029	1.30196	0.2639289	0.12526656	3.9559058	21	11 19.9	21.0
380783 2005 UD_{521}	17.1	X	231.62309	180.39257	34.16487	7.49609	0.0423317	0.26378881	2.4078632	21	—	—
380784 2005 UO_{531}	17.5	X	31.30365	276.59821	29.91082	21.12521	0.0675030	0.36599056	1.9356320	21	10 18.7	19.1
380785 2005 VW_{5}	18.3	X	53.77824	140.02466	176.91560	3.70412	0.3289548	0.31372689	2.1450375	21	12 27.6	21.6
380786 2005 VF_{88}	14.9	X	327.57483	19.25919	74.11332	11.96310	0.1488908	0.12585359	3.9435950	21	12 8.1	19.7
380787 2005 VH_{119}	18.4	X	236.55172	76.16526	67.76080	23.12665	0.0588241	0.36978344	1.9223734	21	12 1.4	20.1
380788 2005 VD_{135}	15.5	X	317.82811	358.54240	119.54873	3.89893	0.1767797	0.12538890	3.9533324	21	12 19.9	20.3
380789 2005 WT_{4}	16.3	X	6.96008	110.54007	333.97679	10.05047	0.1420313	0.25685012	2.4510351	21	—	—
380790 2005 WJ_{17}	16.5	X	316.50830	280.24692	68.46069	15.18286	0.1391232	0.23398211	2.6082403	21	7 21.8	19.6
380791 2005 WV_{38}	16.7	X	78.66762	233.86562	107.28371	6.05906	0.2741053	0.25440349	2.4667246	21	—	—
380792 2005 WG_{44}	16.6	X	218.23194	105.07048	69.57705	5.59809	0.1789583	0.24174276	2.5521159	21	11 9.5	20.4
380793 2005 WQ_{45}	15.4	X	348.99051	183.16997	259.73474	3.39284	0.2767602	0.12597016	3.9411619	21	—	—
380794 2005 WV_{47}	17.3	X	305.09280	94.28420	56.05170	3.18838	0.1618697	0.25431094	2.4673231	21	—	—
380795 2005 WK_{60}	17.9	X	319.66942	193.46224	237.28612	2.92348	0.1064039	0.24679896	2.5171388	21	11 27.7	20.5
380796 2005 WF_{101}	15.1	X	353.97288	354.40386	87.18640	3.36637	0.2668833	0.12648041	3.9305549	21	—	—
380797 2005 WU_{133}	17.5	X	326.89520	7.21571	70.21484	3.49758	0.0360000	0.24757101	2.5119030	21	12 17.9	20.5
380798 2005 WF_{142}	17.4	X	324.65422	21.00974	56.94204	2.55085	0.1125120	0.24708755	2.5151785	21	12 16.7	19.9
380799 2005 WE_{146}	17.2	X	30.04369	294.82290	54.80009	3.79098	0.1401739	0.24678358	2.5172434	21	12 5.3	20.2
380800 2005 WH_{153}	17.1	X	53.75900	254.96121	78.78829	24.14541	0.0673587	0.37615629	1.9005990	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380801 2005 WA_{164}	17.4	X	329.74164	153.59429	272.06129	3.96202	0.1987886	0.24637889	2.5199991	21	12 11.5	19.5
380802 2005 WC_{166}	18.0	X	315.83723	161.65801	260.51739	2.47984	0.2355950	0.24313632	2.5423548	21	10 28.8	19.9
380803 2005 WK_{177}	17.1	X	2.49355	275.64044	55.45173	4.03329	0.1033301	0.23339595	2.6126055	21	9 21.2	20.0
380804 2005 XC_{43}	17.2	X	314.92420	330.07425	66.16689	16.01495	0.0605845	0.23923368	2.5699292	21	10 12.0	20.6
380805 2005 XF_{81}	17.2	X	171.57743	307.79072	274.92285	4.29588	0.0860657	0.24419667	2.5349899	21	11 27.8	20.9
380806 2005 YW_{6}	18.1	X	251.96298	30.96926	86.91314	5.04523	0.1739298	0.23807679	2.5782479	21	10 8.1	21.6
380807 2005 YJ_{23}	16.7	X	41.72954	173.19033	105.12331	5.81113	0.0701419	0.22723083	2.6596504	21	9 5.8	20.0
380808 2005 YN_{29}	16.8	X	341.20676	304.19535	81.03472	2.56358	0.1566147	0.23906002	2.5711737	21	11 2.1	19.1
380809 2005 YG_{38}	16.7	X	313.15744	49.67383	27.64542	12.67698	0.2016693	0.24233954	2.5479243	21	11 15.6	18.9
380810 2005 YL_{50}	17.4	X	344.65867	127.34839	275.38310	17.79316	0.0639821	0.36807676	1.9283112	21	12 30.6	18.9
380811 2005 YS_{53}	16.9	X	220.29277	87.89035	106.69218	4.30316	0.0964126	0.24169688	2.5524389	21	12 16.1	20.3
380812 2005 YS_{56}	17.1	X	34.29008	57.88013	287.02498	6.72690	0.0240975	0.24314950	2.5422629	21	11 15.5	20.4
380813 2005 YU_{60}	17.1	X	294.09520	343.56106	102.06075	7.10402	0.1082498	0.23931833	2.5693232	21	11 5.8	20.1
380814 2005 YQ_{86}	16.5	X	8.14437	264.24488	99.51454	4.63646	0.2444099	0.24257311	2.5462885	21	12 6.5	18.9
380815 2005 YW_{98}	17.5	X	315.78948	81.30957	299.33280	17.11657	0.0990067	0.35996468	1.9571741	21	9 12.7	19.5
380816 2005 YZ_{99}	17.0	X	201.19924	239.02471	306.86096	5.46680	0.1057937	0.23882441	2.5728645	21	11 9.8	20.9
380817 2005 YM_{126}	17.9	X	287.40037	111.99030	12.83722	2.68535	0.0482459	0.24440094	2.5335771	21	12 22.9	20.9
380818 2005 YV_{128}	20.6	X	256.55614	191.80604	127.72345	14.14073	0.5123966	1.11138436	0.9230528	21	—	—
380819 2005 YV_{134}	16.7	X	310.37008	12.72387	70.06238	7.43004	0.1498627	0.24240908	2.5474371	21	11 25.1	19.0
380820 2005 YB_{138}	16.8	X	316.01924	116.05696	304.82473	4.47246	0.1415814	0.23998694	2.5645489	21	11 1.4	19.6
380821 2005 YQ_{143}	17.3	X	235.31939	357.74373	94.67183	4.50158	0.1493526	0.22819425	2.6521592	21	8 17.5	21.2
380822 2005 YD_{168}	17.5	X	307.01284	203.75279	207.90432	2.17527	0.1435583	0.23663074	2.5887410	21	10 2.8	20.3
380823 2005 YT_{185}	17.1	X	214.67058	42.88565	105.01307	6.62738	0.1773829	0.23394405	2.6085232	21	10 5.4	21.2
380824 2005 YL_{207}	17.2	X	146.22528	96.43800	94.22758	3.31794	0.0187997	0.22820868	2.6520474	21	9 19.3	20.8
380825 2005 YC_{208}	17.3	X	305.37557	28.62266	83.78822	8.03119	0.2044215	0.24542574	2.5265194	21	12 25.9	19.2
380826 2005 YP_{219}	16.9	X	304.02303	106.71569	9.35642	11.10811	0.1721448	0.24562139	2.5251776	21	12 31.8	19.5
380827 2005 YE_{221}	16.0	X	220.31870	233.71897	286.46280	12.20271	0.2032836	0.23172373	2.6251596	21	10 14.1	20.3
380828 2005 YV_{228}	16.3	X	339.96452	207.11607	125.52662	13.28744	0.1984440	0.22601757	2.6691599	21	8 6.1	18.5
380829 2005 YD_{238}	17.4	X	220.61314	27.94008	104.45108	6.09624	0.1648839	0.23384864	2.6092327	21	9 22.6	21.5
380830 2005 YE_{288}	16.1	X	294.29292	109.70104	2.98363	15.33185	0.1599965	0.24277314	2.5448897	21	12 2.0	19.0
380831 2005 YY_{290}	17.2	X	161.81862	231.82475	338.70168	2.67824	0.0356079	0.23508451	2.6000800	21	11 1.5	20.9
380832 2006 AC	16.5	X	339.01561	221.33140	169.86101	5.33900	0.2822874	0.24183472	2.5514689	21	11 15.7	18.0
380833 2006 AN_{21}	17.1	X	300.73157	49.69529	54.12790	6.11443	0.1921501	0.24239853	2.5475109	21	12 1.9	19.5
380834 2006 AO_{22}	15.8	X	251.71669	107.47475	61.90853	13.93145	0.1039579	0.24010132	2.5637344	21	12 21.5	19.2
380835 2006 AE_{32}	17.2	X	294.76383	19.11324	79.72099	12.64450	0.2271402	0.24114191	2.5563536	21	11 11.2	19.7
380836 2006 AL_{37}	16.3	X	344.64500	199.40361	111.02582	6.04299	0.1159862	0.22094150	2.7098870	21	7 17.0	19.1
380837 2006 AY_{38}	17.5	X	302.10503	116.07001	310.35941	1.50843	0.1402259	0.23727625	2.5840438	21	10 15.3	20.1
380838 2006 AD_{56}	16.7	X	222.43551	290.36614	282.53495	12.23977	0.1119590	0.24490879	2.5300735	21	—	—
380839 2006 AP_{57}	16.2	X	294.00965	80.10849	64.94121	14.97762	0.1007920	0.24623824	2.5209586	21	—	—
380840 2006 AK_{67}	15.8	X	22.44502	24.93089	287.30775	14.17073	0.1162345	0.22940752	2.6427999	21	9 17.9	19.3
380841 2006 AG_{68}	16.5	X	299.54160	104.88502	300.67283	16.07615	0.2579835	0.23453217	2.6041606	21	8 17.3	19.4
380842 2006 AA_{79}	16.2	X	124.57395	300.26334	298.10345	12.17520	0.1292374	0.23099696	2.6306629	21	10 24.1	20.5
380843 2006 AY_{96}	15.8	X	135.25696	279.53245	288.39107	14.09135	0.1618740	0.22604561	2.6689391	21	9 25.4	20.4
380844 2006 AG_{104}	17.8	X	315.32229	121.68754	294.61968	1.74295	0.2107032	0.23856709	2.5747142	21	10 19.2	20.0
380845 2006 BC_{3}	17.0	X	241.00160	260.45777	267.59794	7.20171	0.1581040	0.24470829	2.5314553	21	11 28.9	20.4
380846 2006 BN_{7}	16.7	X	253.68647	60.81946	85.78989	30.03705	0.3750896	0.23657725	2.5891312	21	11 1.8	21.1
380847 2006 BX_{22}	16.8	X	277.55918	117.28806	337.03784	14.98335	0.1447861	0.23246042	2.6196104	21	10 6.0	20.2
380848 2006 BO_{25}	16.4	X	247.15535	329.94805	144.34423	8.47390	0.0585097	0.23195127	2.6234425	21	10 14.1	20.0
380849 2006 BW_{25}	16.6	X	160.41081	25.60436	136.17085	12.71431	0.1456051	0.22408642	2.6844729	21	8 31.5	20.9
380850 2006 BW_{54}	16.1	X	167.38644	290.13901	302.49245	16.18850	0.1634120	0.23410835	2.6073026	21	11 30.0	20.6
380851 2006 BQ_{75}	17.4	X	237.76681	46.37497	91.21279	3.58162	0.1590003	0.23443807	2.6048574	21	10 17.3	21.0
380852 2006 BZ_{78}	16.6	X	249.51855	353.60264	136.76024	16.78312	0.1436049	0.23337692	2.6127475	21	10 29.2	20.5
380853 2006 BT_{101}	17.4	X	258.42205	217.78916	264.96303	4.11977	0.1807109	0.23663954	2.5886768	21	10 17.1	20.8
380854 2006 BN_{107}	17.5	X	208.92521	90.24790	55.61233	1.62845	0.0370975	0.23141337	2.6275062	21	10 7.2	21.0
380855 2006 BZ_{120}	17.4	X	271.79044	169.02821	288.28399	3.98443	0.1260803	0.23325301	2.6136728	21	10 9.3	20.8
380856 2006 BZ_{121}	17.0	X	50.56976	84.70079	157.21173	3.82024	0.1444812	0.21380762	2.7698352	21	8 6.9	20.3
380857 2006 BG_{124}	17.0	X	296.04768	59.24804	353.62269	2.37869	0.1056298	0.22875414	2.6478299	21	9 19.9	20.2
380858 2006 BY_{130}	17.4	X	253.75815	302.59854	163.62678	2.77409	0.1242501	0.22989047	2.6390973	21	9 29.3	20.9
380859 2006 BN_{139}	17.1	X	275.32307	147.00549	312.68236	0.78653	0.2120345	0.23408148	2.6075022	21	10 5.9	20.1
380860 2006 BL_{140}	16.9	X	52.77459	151.10805	130.56093	4.03256	0.0691460	0.23009892	2.6375032	21	9 25.6	20.2
380861 2006 BR_{150}	17.5	X	244.86167	26.89892	87.29184	8.41979	0.1594133	0.23612365	2.5924460	21	9 28.6	21.2
380862 2006 BZ_{154}	17.0	X	233.27537	347.62028	105.28076	3.82854	0.1412458	0.22507710	2.6765900	21	8 16.1	20.9
380863 2006 BJ_{158}	16.8	X	258.43073	307.41090	151.08864	9.65090	0.1965290	0.23096751	2.6308866	21	9 15.4	20.3
380864 2006 BE_{182}	17.2	X	295.40025	17.11286	5.06271	1.84103	0.0982142	0.22369588	2.6875965	21	8 8.3	20.4
380865 2006 BF_{217}	17.2	X	213.96304	154.34856	331.22227	3.71356	0.1969539	0.22842276	2.6503901	21	9 1.0	21.5
380866 2006 BP_{217}	16.1	X	238.44674	240.39087	265.62458	16.01639	0.1598382	0.23486668	2.6016874	21	10 22.2	20.2
380867 2006 BV_{221}	16.9	X	16.05464	155.21130	152.52664	6.33611	0.0283949	0.22376211	2.6870661	21	9 1.2	20.4
380868 2006 BC_{241}	16.7	X	328.14324	266.97330	120.40828	6.12388	0.2916064	0.23572442	2.5953723	21	10 2.8	18.3
380869 2006 BF_{253}	17.4	X	244.81721	226.39272	230.09553	0.48955	0.0281171	0.22682046	2.6628574	21	9 17.9	20.9
380870 2006 BZ_{274}	16.8	X	26.93061	300.11299	333.94689	8.41572	0.0522705	0.21785088	2.7354567	21	8 4.9	20.2
380871 2006 BD_{275}	16.5	X	202.76907	252.26338	173.92428	6.49039	0.0572832	0.21195117	2.7859854	21	6 14.0	20.7
380872 2006 CK_{22}	16.4	X	161.77260	45.39601	120.97105	7.37508	0.0719587	0.22293340	2.6937211	21	9 7.6	20.4
380873 2006 CW_{22}	16.5	X	303.03471	349.65861	346.47555	9.63636	0.0971097	0.21355455	2.7720230	21	6 15.6	20.2
380874 2006 CS_{44}	17.2	X	215.70766	38.33443	99.50462	5.31984	0.1501795	0.23069811	2.6329343	21	9 25.4	21.2
380875 2006 CU_{59}	16.5	X	206.34814	181.11861	334.25586	14.01404	0.1745683	0.22868708	2.6483475	21	9 27.7	20.9
380876 2006 CW_{65}	16.2	X	224.77246	87.42441	60.32385	11.86269	0.1320454	0.23226469	2.6210819	21	10 21.0	20.1
380877 2006 DE	16.0	X	234.94943	66.32413	80.52194	28.59995	0.2377130	0.23395411	2.6084485	21	10 29.8	20.5
380878 2006 DF_{9}	16.8	X	252.10791	337.58743	132.00970	14.38270	0.2090120	0.23176784	2.6248265	21	9 23.7	20.7
380879 2006 DJ_{10}	16.9	X	284.13511	334.35591	119.53166	5.15190	0.2284836	0.23639407	2.5904686	21	10 12.7	19.9
380880 2006 DX_{17}	16.0	X	198.90470	274.29243	347.73224	14.95396	0.2316956	0.17806906	3.1290349	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380881 2006 DA_{19}	16.7	X	117.42573	237.31841	351.76111	8.23981	0.0945972	0.22499817	2.6772159	21	10 5.8	20.6
380882 2006 DY_{19}	17.3	X	31.51821	134.56409	101.03586	2.00181	0.0193250	0.21274702	2.7790332	21	6 15.1	20.7
380883 2006 DO_{22}	16.7	X	147.69259	65.42229	123.98720	3.47770	0.0886893	0.22260758	2.6963489	21	9 21.1	20.8
380884 2006 DB_{39}	17.4	X	214.42959	247.86418	254.48400	0.43312	0.1419658	0.22761732	2.6566388	21	9 27.2	21.4
380885 2006 DD_{40}	16.4	X	275.73914	202.01156	279.88523	11.57206	0.1931299	0.23742062	2.5829961	21	11 7.0	19.6
380886 2006 DE_{41}	16.0	X	215.18998	207.54007	303.01958	12.58154	0.1318567	0.23168849	2.6254258	21	10 2.9	20.3
380887 2006 DZ_{41}	16.5	X	274.47982	88.89947	3.08160	28.94578	0.2938157	0.23421499	2.6065112	21	9 17.2	19.9
380888 2006 DS_{42}	17.1	X	300.27289	45.39506	340.15821	7.50032	0.1237572	0.22451120	2.6810858	21	8 17.5	20.2
380889 2006 DV_{48}	16.2	X	129.51812	30.65665	153.38596	6.29083	0.0154368	0.21862428	2.7290016	21	8 16.7	19.8
380890 2006 DT_{49}	16.1	X	126.13982	177.82515	356.01171	13.28966	0.1065207	0.21720437	2.7408820	21	8 12.7	20.3
380891 2006 DT_{54}	16.5	X	96.48659	260.46260	353.81084	15.12985	0.0266380	0.22391763	2.6858218	21	10 4.4	20.2
380892 2006 DA_{68}	16.5	X	196.69487	257.25283	274.16956	11.65389	0.2068165	0.22872127	2.6480835	21	10 6.1	21.1
380893 2006 DB_{89}	13.6	X	229.99022	221.54561	171.91241	7.16979	0.0254286	0.08028984	5.3214380	21	6 10.9	20.7
380894 2006 DE_{90}	16.7	X	295.76465	234.44498	163.49663	2.20119	0.1020784	0.22204154	2.7009294	21	8 29.4	20.0
380895 2006 DT_{99}	17.1	X	98.71691	63.97861	123.39998	4.46969	0.0296153	0.21423332	2.7661647	21	7 13.6	20.9
380896 2006 DE_{111}	15.7	X	87.99759	202.21184	25.39800	17.84979	0.1131690	0.21765336	2.7371114	21	9 12.3	19.8
380897 2006 DZ_{111}	15.9	X	281.99161	27.29876	327.93591	7.70620	0.2353457	0.21496358	2.7598965	21	5 20.6	20.0
380898 2006 DX_{112}	16.3	X	143.68473	186.09293	359.80385	14.62480	0.1192670	0.22029828	2.7151592	21	9 13.7	20.4
380899 2006 DS_{115}	17.1	X	279.38412	277.37240	170.54264	12.99618	0.2343749	0.23065257	2.6332808	21	9 22.9	20.4
380900 2006 DB_{121}	16.5	X	219.49682	151.10015	353.30142	15.11588	0.0947415	0.23063133	2.6334425	21	10 6.7	20.4
380901 2006 DX_{126}	16.7	X	328.20107	143.84454	163.92678	13.11190	0.0881953	0.21319030	2.7751796	21	6 17.8	20.4
380902 2006 DM_{133}	16.5	X	56.00963	123.77844	141.10084	10.12492	0.0886366	0.21869200	2.7284382	21	9 9.5	20.0
380903 2006 DN_{145}	17.0	X	308.07895	350.80192	5.33372	5.12800	0.1271177	0.21763923	2.7372298	21	7 18.8	20.3
380904 2006 DF_{156}	16.1	X	320.81991	23.97744	353.75446	14.63306	0.1818097	0.22537173	2.6742567	21	9 6.1	18.6
380905 2006 DT_{173}	16.4	X	271.41657	32.69255	1.19069	11.19343	0.1595116	0.21903264	2.7256086	21	7 13.5	20.4
380906 2006 DB_{179}	16.6	X	126.60400	44.60703	167.28881	7.10011	0.1781025	0.22146801	2.7055904	21	10 1.9	21.0
380907 2006 DC_{188}	16.0	X	78.39165	205.36004	12.31151	10.20631	0.0620313	0.21277640	2.7787773	21	8 5.4	19.9
380908 2006 DO_{193}	17.7	X	218.49685	114.12840	10.45789	19.94089	0.0777526	0.35481101	1.9760806	21	9 30.1	19.8
380909 2006 DO_{195}	16.8	X	242.36402	167.98932	315.81279	4.11438	0.1192434	0.23145622	2.6271819	21	10 6.3	20.4
380910 2006 DO_{213}	16.5	X	314.14417	6.29460	340.91418	2.14342	0.0501283	0.21850622	2.7299845	21	7 25.1	19.8
380911 2006 DA_{217}	16.4	X	280.87452	311.83477	93.74259	4.36143	0.1735253	0.22407750	2.6845441	21	8 7.5	19.8
380912 2006 EY_{7}	17.3	X	194.02518	310.11182	133.70900	0.97076	0.0445494	0.21270705	2.7793813	21	6 26.7	21.1
380913 2006 ED_{25}	17.2	X	271.12129	55.62528	342.62887	5.83386	0.0775556	0.22059576	2.7127177	21	7 30.4	20.8
380914 2006 EE_{30}	17.6	X	268.48112	55.93690	34.94867	2.76853	0.2074889	0.23079309	2.6322119	21	9 16.1	20.9
380915 2006 EW_{40}	16.8	X	299.07481	271.22362	64.08496	1.40217	0.0755785	0.20928893	2.8095615	21	6 12.5	20.5
380916 2006 EL_{73}	17.2	X	176.60878	97.90501	22.46210	4.55754	0.0188908	0.21463819	2.7626851	21	7 25.4	21.0
380917 2006 EU_{73}	14.6	X	289.23378	244.57306	11.84799	11.03759	0.2072644	0.12555486	3.9498479	21	2 17.3	20.4
380918 2006 FM_{20}	16.4	X	19.72821	227.93741	32.46729	12.34711	0.0497517	0.20519207	2.8468352	21	7 4.9	20.3
380919 2006 FF_{27}	16.2	X	320.21883	282.61472	33.64607	6.21584	0.0776296	0.20525576	2.8462463	21	6 17.2	19.8
380920 2006 FO_{51}	15.2	X	203.14555	229.46184	30.19248	28.12766	0.2170664	0.17267890	3.1938158	21	—	—
380921 2006 GP_{2}	15.8	X	248.00647	61.86152	87.86036	31.06827	0.2960154	0.23230302	2.6207936	21	11 8.6	20.2
380922 2006 GG_{7}	17.0	X	203.79237	59.78584	137.01503	5.53543	0.2135873	0.23079046	2.6322319	21	11 18.7	21.3
380923 2006 GL_{20}	16.9	X	191.58961	287.90979	186.96487	9.90051	0.1130255	0.21387627	2.7692424	21	7 29.9	21.4
380924 2006 GT_{35}	16.4	X	130.37813	174.02968	28.12015	7.25919	0.1424472	0.21811875	2.7332166	21	9 22.3	20.8
380925 2006 GO_{43}	16.9	X	75.16971	191.09443	39.01084	5.32162	0.0663182	0.21179437	2.7873603	21	8 16.8	20.7
380926 2006 HA	15.4	X	98.69810	154.56166	63.91427	26.65199	0.0922067	0.21529575	2.7570570	21	9 19.0	20.0
380927 2006 HA_{2}	16.2	X	190.83353	144.12752	51.00610	14.47384	0.1910143	0.22668691	2.6639031	21	11 5.9	20.5
380928 2006 HJ_{3}	18.0	X	252.74730	256.71394	54.50589	6.64679	0.2813402	0.31688958	2.1307414	21	2 20.3	21.7
380929 2006 HU_{30}	19.6	X	173.31076	274.29053	44.63842	24.00740	0.4198685	0.56162861	1.4549115	21	—	—
380930 2006 HA_{31}	16.2	X	339.91841	185.17428	43.89957	13.68564	0.1226124	0.19234697	2.9722077	21	3 24.9	20.0
380931 2006 HE_{61}	15.4	X	237.02805	12.60575	284.35687	10.39841	0.3241092	0.18048394	3.1010612	21	1 30.9	21.1
380932 2006 HQ_{73}	16.1	X	295.29250	107.66464	204.61858	11.50141	0.0360088	0.19780595	2.9172691	21	5 15.3	20.2
380933 2006 HD_{74}	16.5	X	34.53670	111.64361	91.74069	6.75677	0.0044316	0.19678751	2.9273256	21	5 9.2	20.5
380934 2006 HX_{75}	16.2	X	220.24065	215.07908	111.87518	11.63432	0.1490348	0.18401312	3.0612833	21	3 3.9	21.3
380935 2006 HM_{82}	16.8	X	269.99733	217.14348	58.29348	0.65258	0.0961257	0.18543110	3.0456570	21	2 19.9	21.3
380936 2006 HY_{87}	16.3	X	124.65237	183.83571	22.34688	9.86170	0.1154497	0.21746961	2.7386529	21	9 20.4	20.5
380937 2006 JR_{9}	16.5	X	212.05558	32.89787	42.67999	6.17354	0.0467417	0.20587371	2.8405479	21	7 8.3	20.6
380938 2006 JZ_{31}	16.5	X	127.29993	54.51818	66.07360	13.41014	0.0172973	0.19900809	2.9055091	21	5 22.5	20.5
380939 2006 JV_{36}	16.4	X	242.20588	206.04543	145.83828	12.89843	0.1045857	0.19303652	2.9651254	21	4 26.4	21.1
380940 2006 JX_{43}	16.9	X	178.48879	314.16760	148.64555	2.58935	0.0186598	0.20509915	2.8476950	21	7 2.8	20.9
380941 2006 JR_{46}	15.2	X	256.63835	41.25767	244.39656	15.44710	0.0479380	0.17475761	3.1684387	21	2 16.8	20.1
380942 2006 KP_{2}	16.6	X	207.15694	101.47753	104.13689	13.79459	0.2156294	0.23092948	2.6311754	21	12 2.8	20.8
380943 2006 KG_{12}	15.6	X	192.65284	206.89884	94.31123	15.81547	0.2628482	0.17357105	3.1828623	21	1 10.8	21.2
380944 2006 KD_{16}	16.1	X	53.27652	147.95236	79.52556	16.09782	0.0882097	0.20352435	2.8623658	21	7 14.3	19.9
380945 2006 KS_{22}	15.6	X	266.74031	196.12328	84.40389	14.36520	0.1409295	0.18405548	3.0608136	21	2 23.1	20.5
380946 2006 KX_{26}	16.6	X	187.92844	325.25292	168.13829	11.86071	0.1082053	0.21428864	2.7656886	21	8 19.8	20.9
380947 2006 KL_{33}	16.2	X	256.16392	16.21564	67.89591	10.15906	0.1390696	0.21505269	2.7591341	21	9 4.7	20.2
380948 2006 KR_{41}	15.9	X	239.56505	228.22886	70.33580	28.66309	0.1506371	0.18165253	3.0877473	21	2 24.4	21.4
380949 2006 KL_{57}	16.7	X	273.13169	156.88239	176.78183	5.74224	0.0690578	0.19545550	2.9406102	21	5 9.9	20.8
380950 2006 KB_{67}	16.6	X	182.89159	292.74589	210.59571	8.96410	0.1684157	0.21433220	2.7653139	21	8 23.8	21.4
380951 2006 KQ_{83}	16.2	X	213.68641	176.40550	167.46754	9.54281	0.1344426	0.18410023	3.0603175	21	3 14.9	21.2
380952 2006 KV_{96}	15.5	X	39.69356	291.54611	247.77075	8.19673	0.0248015	0.18280570	3.0747482	21	4 13.2	19.8
380953 2006 KQ_{123}	18.2	X	241.39848	100.11026	180.07229	2.38310	0.1741528	0.30541982	2.1837583	21	1 4.7	21.7
380954 2006 KR_{124}	16.7	X	242.03945	73.15583	122.28611	6.79116	0.4558003	0.23259301	2.6186148	21	11 26.1	21.0
380955 2006 MS_{11}	15.9	X	35.91692	144.59063	97.62071	11.80885	0.0602075	0.20337721	2.8637462	21	7 4.3	19.6
380956 2006 PW_{9}	17.8	X	327.10058	92.91014	158.71262	1.60746	0.1157977	0.31358887	2.1456668	21	3 9.7	19.8
380957 2006 PD_{11}	15.6	X	186.14506	230.35090	139.41913	16.24900	0.1073456	0.17335911	3.1854559	21	3 24.5	20.7
380958 2006 QD_{11}	16.4	X	130.83621	114.07926	274.59375	2.20764	0.1464953	0.16446035	3.2993514	21	2 20.2	21.4
380959 2006 QF_{22}	15.4	X	240.03723	311.15175	331.37720	14.26252	0.1386143	0.17021319	3.2245856	21	1 30.6	20.6
380960 2006 QW_{31}	17.9	X	166.47519	49.51491	292.56770	3.32967	0.2458762	0.29684998	2.2255876	21	1 20.9	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
380961 2006 QX_{35}	17.6	X	201.40228	297.23263	21.53154	5.77853	0.2098151	0.29935806	2.2131393	21	1 21.4	21.2
380962 2006 QW_{42}	17.5	X	205.99678	185.45907	127.71189	7.02629	0.2137403	0.29992397	2.2103545	21	1 16.6	20.9
380963 2006 QV_{59}	17.7	X	213.02035	86.58748	203.30195	6.48725	0.2703655	0.29939462	2.2129591	21	—	—
380964 2006 QQ_{75}	16.0	X	98.24231	144.39293	343.24160	12.32335	0.0851082	0.17759953	3.1345474	21	4 30.2	20.6
380965 2006 QS_{117}	17.9	X	129.99663	38.85204	334.16101	6.69085	0.2262937	0.29307181	2.2446744	21	1 21.9	20.6
380966 2006 QZ_{141}	17.7	X	202.90127	10.62031	291.88491	6.23983	0.1976417	0.29759006	2.2218962	21	—	—
380967 2006 QT_{161}	18.0	X	140.49187	355.35967	338.35572	4.43421	0.2563671	0.28992774	2.2608732	21	—	—
380968 2006 RQ_{39}	17.6	X	232.19165	166.37851	131.60785	3.15195	0.2048443	0.30179210	2.2012235	21	1 19.3	21.0
380969 2006 RW_{62}	17.7	X	132.61460	257.18228	116.82583	2.98550	0.1967079	0.29342740	2.2428605	21	1 20.7	20.3
380970 2006 RF_{70}	18.3	X	70.41385	92.49294	356.77821	3.38982	0.1060049	0.29364296	2.2417628	21	1 15.1	20.4
380971 2006 RG_{72}	17.9	X	266.91205	272.53353	4.08907	2.98211	0.1282631	0.30271322	2.1967559	21	1 28.3	20.9
380972 2006 RK_{93}	16.2	X	172.39875	219.64433	210.66039	8.83960	0.1016450	0.17359872	3.1825242	21	5 19.0	21.1
380973 2006 SC_{20}	17.6	X	86.74786	44.73721	11.69957	5.16561	0.1753598	0.28797996	2.2710561	21	1 6.4	19.5
380974 2006 SC_{24}	16.9	X	174.55196	278.41287	83.77547	6.98890	0.2117133	0.29593095	2.2301930	21	2 22.9	20.4
380975 2006 SA_{29}	18.3	X	138.89161	113.82170	244.99976	3.11688	0.1765617	0.29428784	2.2384866	21	1 4.6	21.1
380976 2006 SW_{33}	17.7	X	137.51607	150.23123	260.61120	2.82411	0.2115866	0.29836053	2.2180694	21	3 16.3	20.8
380977 2006 SD_{46}	17.6	X	104.07696	5.40990	35.48296	5.11095	0.2215199	0.29029120	2.2589857	21	1 23.3	19.8
380978 2006 SY_{49}	18.2	X	140.68197	152.24955	182.34424	2.98623	0.2558892	0.28929144	2.2641872	21	—	—
380979 2006 SG_{56}	17.5	X	62.49824	32.90409	30.12568	22.40335	0.2590309	0.28417644	2.2912756	21	—	—
380980 2006 SN_{110}	17.7	X	252.75850	331.71679	90.87037	7.41523	0.4173060	0.25113537	2.4880788	21	6 29.4	22.0
380981 2006 SU_{131}	18.6	X	239.81673	167.74686	107.39830	9.65929	0.3951760	0.43422461	1.7271356	21	—	—
380982 2006 SU_{133}	18.0	X	118.34592	31.11272	343.06384	3.67073	0.2103203	0.28977731	2.2616556	21	1 4.7	20.4
380983 2006 SE_{136}	17.4	X	148.27298	271.85767	110.03099	6.74131	0.2485266	0.29729772	2.2233525	21	2 25.7	20.6
380984 2006 SR_{160}	17.9	X	107.00778	342.95424	74.46166	3.21797	0.1093041	0.29256102	2.2472863	21	1 31.7	20.2
380985 2006 SN_{209}	18.0	X	154.69628	308.62025	41.61104	3.86551	0.1975497	0.29339116	2.2430453	21	1 16.1	21.0
380986 2006 SO_{222}	18.4	X	108.61096	64.78551	20.39668	2.64756	0.1400617	0.29873187	2.2162309	21	3 18.6	20.6
380987 2006 SS_{285}	17.2	X	132.70357	350.04359	36.23225	5.11021	0.1492638	0.29019448	2.2594876	21	2 1.9	20.0
380988 2006 SY_{320}	17.5	X	262.71793	212.96470	37.51940	7.77239	0.0656397	0.29365417	2.2417057	21	—	—
380989 2006 SZ_{321}	18.4	X	65.45579	28.39513	77.32227	2.44829	0.0906809	0.29425246	2.2386661	21	1 29.5	20.4
380990 2006 SO_{325}	17.1	X	280.21780	224.13320	30.72581	7.50819	0.1512338	0.29859963	2.2168852	21	1 13.6	20.4
380991 2006 SO_{327}	18.6	X	76.69659	20.07229	68.33405	2.60239	0.1465379	0.29107593	2.2549237	21	1 30.9	20.4
380992 2006 SJ_{332}	17.8	X	289.27801	218.31313	13.18664	4.97300	0.0249818	0.29147808	2.2528492	21	1 7.4	20.5
380993 2006 SZ_{365}	18.1	X	145.07888	294.49146	48.00977	2.81522	0.1574326	0.28765243	2.2727798	21	—	—
380994 2006 SJ_{400}	17.2	X	4.37138	26.60872	43.88358	24.80139	0.2100782	0.27441282	2.3453074	21	—	—
380995 2006 TT_{19}	17.7	X	121.13815	63.38577	257.41978	1.61722	0.1694394	0.28039565	2.3118263	21	—	—
380996 2006 TK_{20}	17.1	X	246.84070	60.76090	217.76253	7.03773	0.1546546	0.29567467	2.2314816	21	1 8.5	20.6
380997 2006 TG_{42}	17.7	X	160.62269	112.17416	222.43236	6.67536	0.1321840	0.28817629	2.2700245	21	—	—
380998 2006 TO_{42}	18.2	X	120.76213	97.69712	235.95357	1.74367	0.2372027	0.28253436	2.3001449	21	—	—
380999 2006 TE_{43}	17.7	X	124.99911	316.22523	38.81855	6.88878	0.1622015	0.28513513	2.2861369	21	—	—
381000 2006 TV_{57}	17.4	X	113.05494	214.21205	192.35221	4.34662	0.1310637	0.29243775	2.2479178	21	1 26.7	19.8
381001 2006 TZ_{64}	17.4	X	317.74645	223.12865	329.50152	6.53558	0.0200121	0.29450901	2.2373658	21	—	—
381002 2006 TG_{78}	17.1	X	7.60307	144.80632	345.96632	7.27906	0.0589073	0.28805425	2.2706657	21	—	—
381003 2006 TK_{83}	18.0	X	49.48830	80.95509	359.48554	6.22421	0.1520753	0.28382010	2.2931931	21	—	—
381004 2006 TW_{94}	17.6	X	82.48860	299.95318	52.46999	6.83269	0.2746225	0.27845613	2.3225489	21	—	—
381005 2006 TX_{129}	17.9	X	52.27550	253.31644	172.81369	5.10941	0.1895294	0.28065434	2.3104055	21	—	—
381006 2006 UG_{5}	17.7	X	129.18322	136.80786	237.16614	6.29678	0.1502896	0.29140976	2.2532013	21	1 8.1	20.3
381007 2006 UU_{7}	17.5	X	159.76397	314.78403	49.86452	6.66620	0.1206219	0.29276235	2.2462559	21	2 2.2	20.6
381008 2006 UW_{14}	17.7	X	114.60327	303.59037	53.37524	8.46151	0.1682412	0.28346625	2.2951010	21	—	—
381009 2006 UR_{46}	17.2	X	339.24981	167.86005	56.70116	9.06347	0.1181389	0.29732017	2.2232406	21	2 25.1	19.7
381010 2006 UJ_{73}	17.9	X	153.25966	347.51191	340.69780	4.39860	0.2153001	0.28885421	2.2664714	21	—	—
381011 2006 UG_{94}	17.9	X	315.16008	345.40204	183.75765	6.22547	0.0483504	0.28398390	2.2923112	21	—	—
381012 2006 UH_{94}	18.0	X	161.27541	210.02733	112.80748	2.73412	0.1601327	0.28787747	2.2715952	21	—	—
381013 2006 UX_{102}	17.4	X	275.15790	21.63583	181.95539	7.25984	0.1141139	0.28261714	2.2996958	21	—	—
381014 2006 UX_{138}	17.7	X	88.05022	82.92492	276.10481	3.84101	0.2478416	0.27974364	2.3154171	21	—	—
381015 2006 UA_{152}	17.6	X	237.83603	182.86847	79.96195	6.94046	0.1402857	0.28691112	2.2766930	21	—	—
381016 2006 UZ_{166}	17.7	X	228.70357	195.78152	74.03590	4.38298	0.1470722	0.29103727	2.2551234	21	—	—
381017 2006 UZ_{180}	17.5	X	153.52120	286.82162	90.60381	7.04978	0.1436542	0.29428567	2.2384976	21	2 14.3	20.6
381018 2006 UF_{191}	18.0	X	176.90308	49.50008	312.19372	4.56508	0.1938309	0.29734332	2.2231252	21	2 19.2	21.3
381019 2006 UQ_{193}	18.3	X	105.89607	54.95250	25.59922	4.35722	0.0906181	0.29542553	2.2327360	21	3 1.4	20.7
381020 2006 UE_{204}	18.1	X	106.00004	63.69153	320.51160	5.65408	0.1870311	0.28646837	2.2790382	21	—	—
381021 2006 UA_{210}	17.7	X	128.56602	15.48474	327.47825	4.15960	0.1718260	0.28392033	2.2926533	21	—	—
381022 2006 UV_{212}	17.2	X	46.38246	183.15639	237.77702	10.97531	0.2154477	0.27851094	2.3222441	21	—	—
381023 2006 UB_{225}	17.1	X	83.10166	210.52872	260.09906	6.06753	0.0909921	0.29616739	2.2290059	21	3 3.4	19.5
381024 2006 UE_{228}	17.6	X	115.02619	30.19851	351.18311	6.39339	0.1300900	0.28805468	2.2706634	21	—	—
381025 2006 UN_{228}	17.8	X	151.83288	141.11926	240.09959	4.21332	0.1609952	0.29483436	2.2357195	21	2 14.9	21.0
381026 2006 UQ_{233}	17.7	X	59.16796	355.18378	47.51307	8.97111	0.1187278	0.28076845	2.3097795	21	—	—
381027 2006 UW_{238}	17.6	X	151.95916	61.04912	281.36993	1.96342	0.1815323	0.28964100	2.2623651	21	—	—
381028 2006 UB_{259}	17.8	X	302.74057	188.72252	27.26919	6.57742	0.0932636	0.29215811	2.2493520	21	—	—
381029 2006 UO_{329}	17.9	X	62.59616	0.01751	81.58077	3.86883	0.1927638	0.27795518	2.3253386	21	—	—
381030 2006 VX_{7}	16.9	X	79.98717	18.21462	51.41750	7.85962	0.0551596	0.28650375	2.2788506	21	—	—
381031 2006 VJ_{13}	17.9	X	81.81108	312.19432	56.86547	7.07277	0.2307034	0.27878580	2.3207175	21	—	—
381032 2006 VP_{15}	17.8	X	353.34037	222.19661	255.33507	4.01573	0.1722810	0.27723568	2.3293601	21	—	—
381033 2006 VB_{17}	18.0	X	153.63677	273.76641	43.97170	6.43176	0.2316072	0.28535285	2.2849739	21	—	—
381034 2006 VR_{54}	15.4	X	180.03770	105.83095	228.46105	8.63344	0.0152715	0.15268963	3.4668072	21	1 28.6	20.5
381035 2006 VU_{59}	17.0	X	158.03145	261.84023	72.25129	8.07681	0.0255067	0.28373261	2.2936645	21	—	—
381036 2006 VD_{63}	17.0	X	32.89017	229.53972	241.15928	21.26085	0.1697881	0.28221513	2.3018791	21	—	—
381037 2006 VO_{84}	17.4	X	129.92823	140.77478	258.12634	6.54737	0.1793114	0.29111391	2.2547276	21	2 14.6	20.4
381038 2006 VT_{94}	17.8	X	34.33491	11.34645	83.99721	3.37517	0.1134416	0.28077606	2.3097377	21	—	—
381039 2006 VP_{105}	18.2	X	104.46525	351.28778	41.91178	2.93823	0.0529924	0.28536712	2.2848977	21	—	—
381040 2006 VJ_{107}	17.3	X	86.38313	140.39202	259.57385	5.98404	0.1123047	0.28271581	2.2991606	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381041 2006 VE_{109}	18.8	X	38.05178	88.73019	16.88023	2.96323	0.1816459	0.28301735	2.2975273	21	—	—
381042 2006 VP_{118}	17.8	X	39.65082	221.40363	241.90297	5.19977	0.2055150	0.28260647	2.2997537	21	—	—
381043 2006 VL_{119}	18.3	X	156.80666	45.60300	278.01270	2.26978	0.1424843	0.28576247	2.2827898	21	—	—
381044 2006 VP_{144}	17.6	X	326.76265	300.90171	243.74520	3.60404	0.1213714	0.28726238	2.2748366	21	—	—
381045 2006 VJ_{148}	17.4	X	30.66048	315.96151	88.94969	8.33056	0.1107715	0.26768397	2.3844477	21	—	—
381046 2006 VO_{148}	17.3	X	55.74380	325.16948	115.25655	5.05794	0.1106051	0.27601714	2.3362107	21	—	—
381047 2006 VD_{151}	18.3	X	64.24583	329.80783	85.78328	2.63532	0.1752462	0.28209322	2.3025423	21	—	—
381048 Werber	18.0	X	81.79106	86.56229	336.79102	0.38403	0.1531168	0.28566428	2.2833129	21	1 4.0	19.9
381049 2006 WE_{3}	18.1	X	9.58226	83.13030	54.69249	22.26570	0.2563337	0.28177301	2.3042864	21	—	—
381050 2006 WR_{3}	15.7	X	49.34081	154.78413	275.14972	48.77786	0.4377238	0.14327293	3.6170953	21	1 16.5	19.6
381051 2006 WW_{18}	17.5	X	140.14938	82.77155	329.59217	2.21828	0.1451655	0.29403089	2.2397906	21	3 14.6	20.5
381052 2006 WW_{22}	17.2	X	9.03912	46.05105	74.78007	24.21009	0.1679658	0.27840059	2.3228577	21	—	—
381053 2006 WA_{23}	17.1	X	64.42733	337.17644	87.28554	7.78133	0.0753656	0.28069057	2.3102067	21	—	—
381054 2006 WQ_{56}	17.2	X	90.75122	340.13450	69.88788	6.29205	0.1012890	0.28296689	2.2978004	21	—	—
381055 2006 WR_{119}	17.7	X	61.54496	161.08272	312.50751	4.07472	0.1480339	0.28903549	2.2655236	21	2 8.0	19.3
381056 2006 WC_{170}	17.9	X	121.84091	96.99572	248.24230	4.93616	0.2010261	0.28090301	2.3090417	21	—	—
381057 2006 WS_{179}	17.9	X	28.84617	5.22913	83.88338	2.78260	0.1476019	0.27881945	2.3205308	21	—	—
381058 2006 WQ_{195}	17.2	X	129.29556	347.28772	65.68660	6.13182	0.1219016	0.29184238	2.2509740	21	3 3.0	20.0
381059 2006 WP_{202}	17.5	X	357.34562	168.27501	278.83315	5.85239	0.0916279	0.27106892	2.3645558	21	—	—
381060 2006 XP_{9}	17.0	X	103.78459	358.00878	79.99419	7.34652	0.0638250	0.28809849	2.2704332	21	2 21.4	19.6
381061 2006 XO_{15}	17.2	X	97.69294	189.66290	252.03516	7.05732	0.1597577	0.28883748	2.2665589	21	2 25.1	19.7
381062 2006 XH_{53}	17.6	X	28.34519	141.69168	331.01560	3.31269	0.1891487	0.27828327	2.3235106	21	—	—
381063 2006 XF_{58}	15.9	X	269.47682	97.05992	53.08615	3.98554	0.2043542	0.12424579	3.9775434	21	11 15.1	21.4
381064 2006 XX_{59}	17.2	X	331.09290	37.30378	87.12197	7.33510	0.0685951	0.26900765	2.3766194	21	—	—
381065 2006 XQ_{60}	17.4	X	82.29154	53.99208	299.94405	6.33568	0.1371659	0.26888325	2.3773524	21	—	—
381066 2006 YQ_{4}	17.3	X	32.17440	212.52709	265.35157	4.85495	0.1826035	0.27894819	2.3198168	21	—	—
381067 2006 YH_{10}	17.0	X	53.76644	322.44951	88.61039	8.05982	0.0963075	0.27392128	2.3481123	21	—	—
381068 2006 YP_{23}	17.9	X	315.67858	188.85686	318.28932	2.72764	0.1173995	0.27040601	2.3684187	21	—	—
381069 2006 YT_{43}	17.1	X	80.24534	358.05439	70.46316	6.95574	0.1723269	0.28210977	2.3024522	21	1 13.5	19.1
381070 2006 YV_{51}	17.5	X	66.83206	149.09672	253.17897	1.54610	0.1877922	0.27578493	2.3375219	21	—	—
381071 2006 YQ_{53}	17.3	X	85.16174	267.61795	83.07378	5.59683	0.1668934	0.26696099	2.3887508	21	—	—
381072 2007 AZ_{3}	16.8	X	49.61425	128.23196	305.86969	23.84962	0.2082232	0.27634154	2.3343821	21	—	—
381073 2007 AB_{11}	16.9	X	38.14150	295.45318	119.56088	12.27557	0.1448421	0.27029197	2.3690849	21	—	—
381074 2007 AX_{12}	16.9	X	297.56158	265.86089	267.98147	9.58329	0.2091773	0.27142608	2.3624810	21	—	—
381075 2007 AC_{14}	18.0	X	308.66886	251.81262	262.69007	1.90266	0.1678949	0.26825668	2.3810528	21	—	—
381076 2007 AH_{24}	17.5	X	307.22073	251.97109	268.25092	2.17222	0.1351986	0.26754542	2.3852708	21	—	—
381077 2007 BR_{18}	14.9	X	320.46255	128.84003	342.87393	8.46357	0.2342745	0.12509361	3.9595513	21	12 11.4	19.5
381078 2007 BQ_{20}	17.3	X	303.41255	358.14059	164.13661	5.31128	0.1795140	0.26548588	2.3975910	21	—	—
381079 2007 BB_{30}	17.4	X	325.10772	188.75466	325.46191	7.62279	0.1684016	0.26954036	2.3734869	21	—	—
381080 2007 BS_{35}	17.0	X	77.22627	51.28557	331.62968	7.97755	0.2331527	0.27271201	2.3550486	21	—	—
381081 2007 BV_{35}	17.9	X	321.76932	207.26184	313.01960	2.10257	0.1190971	0.27163965	2.3612426	21	—	—
381082 2007 BV_{36}	18.1	X	12.97930	77.32093	11.22383	1.12452	0.1453139	0.27083209	2.3659340	21	—	—
381083 2007 BG_{41}	17.7	X	52.72030	269.78290	127.87446	4.48188	0.1862005	0.27038687	2.3685305	21	—	—
381084 2007 BD_{43}	18.1	X	276.70985	232.00751	300.43891	0.63306	0.1288565	0.26407989	2.4060935	21	—	—
381085 2007 BJ_{48}	17.9	X	279.46336	133.06600	37.85267	2.95949	0.1425922	0.26200009	2.4188100	21	—	—
381086 2007 BT_{54}	17.0	X	55.07952	6.23400	90.95121	7.97058	0.0682564	0.27961532	2.3161254	21	1 1.8	19.4
381087 2007 BO_{56}	17.4	X	63.59850	19.33718	1.18112	4.10862	0.0713058	0.26773746	2.3841301	21	—	—
381088 2007 BY_{56}	17.8	X	283.43132	76.30021	76.50664	4.56412	0.2036774	0.26213562	2.4179762	21	—	—
381089 2007 BD_{57}	17.5	X	351.26718	138.98974	18.36856	2.81749	0.1644577	0.27491991	2.3424226	21	—	—
381090 2007 BP_{65}	17.0	X	273.52148	232.95081	317.11789	4.55666	0.1281530	0.26366684	2.4086057	21	—	—
381091 2007 BB_{70}	17.1	X	18.90115	297.65647	137.26072	5.87075	0.1770531	0.26665317	2.3905888	21	—	—
381092 2007 BL_{77}	17.3	X	23.77648	99.73894	321.36138	6.24816	0.0988575	0.26609775	2.3939142	21	—	—
381093 2007 BB_{79}	18.0	X	345.16526	214.54175	272.14802	0.77144	0.1295035	0.26847188	2.3797802	21	—	—
381094 2007 BN_{79}	17.7	X	12.62711	355.19294	127.63879	2.05763	0.1356205	0.27195910	2.3593932	21	—	—
381095 2007 CT_{3}	17.5	X	253.64176	146.07216	56.86530	3.42560	0.1333860	0.26465766	2.4025904	21	—	—
381096 2007 CS_{6}	17.2	X	349.89838	276.51045	110.49007	8.06533	0.1209088	0.25616844	2.4553814	21	11 24.4	19.8
381097 2007 CP_{17}	17.9	X	290.01211	100.80575	68.09602	2.32772	0.1185663	0.26438495	2.4042423	21	—	—
381098 2007 CB_{22}	17.4	X	325.68449	339.45250	133.56641	4.43396	0.0898819	0.26368262	2.4085096	21	—	—
381099 2007 CD_{23}	17.9	X	226.93963	22.19615	158.51413	4.27967	0.1238409	0.25488389	2.4636242	21	12 5.7	21.2
381100 2007 CS_{25}	17.8	X	320.88708	220.12515	293.48181	5.69371	0.0779589	0.27174968	2.3606052	21	—	—
381101 2007 CX_{34}	17.3	X	7.38215	218.81875	244.82788	4.12040	0.1871692	0.27058299	2.3673859	21	—	—
381102 2007 CA_{44}	16.6	X	346.73073	170.05564	306.82984	5.37669	0.0754099	0.26672333	2.3901696	21	—	—
381103 2007 CQ_{52}	17.0	X	277.63955	22.59966	151.93902	11.94679	0.0833271	0.26431172	2.4046863	21	—	—
381104 2007 CU_{56}	17.6	X	343.52218	164.66611	313.40142	5.65636	0.1927102	0.26704719	2.3882367	21	—	—
381105 2007 CN_{65}	17.8	X	7.95735	288.22630	180.47031	7.32960	0.2594455	0.27115128	2.3640770	21	—	—
381106 2007 CH_{79}	16.8	X	313.08409	86.50339	101.60505	6.21706	0.1317381	0.26968363	2.3726462	21	—	—
381107 2007 DR_{5}	17.5	X	11.82206	88.79943	343.04565	6.89405	0.0846144	0.26680240	2.3896973	21	—	—
381108 2007 DQ_{6}	17.7	X	298.13989	243.12107	280.15596	3.22955	0.1864197	0.26327376	2.4110025	21	—	—
381109 2007 DP_{8}	17.9	X	324.32331	241.59212	273.32834	3.53346	0.1678288	0.27095184	2.3652369	21	—	—
381110 2007 DE_{12}	17.4	X	237.25780	322.51713	232.24653	1.73049	0.1429998	0.25838397	2.4413254	21	—	—
381111 2007 DH_{14}	17.5	X	289.97672	96.60768	79.27485	3.60892	0.1174630	0.26516962	2.3994970	21	—	—
381112 2007 DE_{18}	18.1	X	22.12534	86.71143	332.34170	4.51001	0.2301650	0.26510942	2.3998602	21	—	—
381113 2007 DU_{22}	17.3	X	341.85694	304.86055	153.28442	6.39770	0.0976912	0.26130261	2.4231123	21	—	—
381114 2007 DM_{24}	17.4	X	347.04656	104.77517	321.80445	4.70292	0.1106086	0.25730413	2.4481511	21	—	—
381115 2007 DJ_{28}	17.7	X	302.62021	99.41429	53.63581	2.66719	0.1655971	0.26243624	2.4161293	21	—	—
381116 2007 DQ_{29}	18.2	X	330.38135	93.40622	16.90911	2.89572	0.1424630	0.26153142	2.4216988	21	—	—
381117 2007 DA_{40}	15.4	X	290.32906	2.15350	126.59455	8.21844	0.1230679	0.12454280	3.9712170	21	11 29.1	20.8
381118 2007 DL_{42}	17.6	X	354.16121	321.06249	127.56797	5.06596	0.1267449	0.26753207	2.3853502	21	—	—
381119 2007 DJ_{49}	16.9	X	34.34032	17.10766	109.80237	6.59594	0.0572498	0.27558834	2.3386334	21	1 11.9	19.4
381120 2007 DY_{54}	18.2	X	347.32302	247.38064	267.68650	1.37642	0.1664545	0.27217711	2.3581331	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381121 2007 DP_{60}	17.6	X	256.18416	358.08621	191.91515	1.85042	0.1262126	0.25986250	2.4320564	21	—	—
381122 2007 DL_{67}	17.5	X	77.71600	297.74504	116.36375	3.29594	0.1804784	0.27226334	2.3576352	21	—	—
381123 2007 DJ_{84}	16.7	X	326.10648	84.69049	41.22726	14.77272	0.1419698	0.26341967	2.4101121	21	—	—
381124 2007 DE_{91}	18.1	X	291.65390	345.29036	143.25202	1.82594	0.1399012	0.25801580	2.4436472	21	12 30.9	20.5
381125 2007 DK_{106}	16.1	X	18.98857	312.12657	358.28421	11.60572	0.2257828	0.23091537	2.6312826	21	10 2.7	18.8
381126 2007 DZ_{108}	17.4	X	348.07696	256.87346	215.68390	1.53565	0.1520460	0.26399448	2.4066124	21	—	—
381127 2007 DQ_{111}	16.3	X	338.44201	344.19232	9.73954	13.35579	0.1810630	0.23544300	2.5974400	21	9 11.7	18.7
381128 2007 EV_{13}	17.6	X	346.52856	192.66458	341.43483	2.01057	0.1508734	0.27209446	2.3586106	21	—	—
381129 2007 EL_{18}	17.2	X	241.63520	201.78186	33.88568	2.69807	0.1581485	0.26155366	2.4215616	21	—	—
381130 2007 EN_{23}	16.7	X	5.71371	255.78791	26.29481	8.85719	0.2471909	0.22055462	2.7130551	21	7 23.8	19.0
381131 2007 EH_{32}	16.8	X	60.03815	145.36076	157.74838	12.24076	0.0780069	0.24220927	2.5488378	21	11 7.9	20.4
381132 2007 EG_{34}	17.1	X	74.54441	78.76242	198.18192	7.13947	0.2013384	0.23426510	2.6061395	21	11 4.1	20.9
381133 2007 ER_{48}	16.7	X	126.30183	207.65046	21.95832	13.18433	0.1211206	0.23629713	2.5911770	21	10 19.9	20.7
381134 2007 EW_{72}	17.8	X	33.30512	15.64398	58.93840	1.35840	0.1985347	0.26581142	2.3956330	21	—	—
381135 2007 ED_{99}	17.1	X	300.99682	30.84332	112.81296	2.19383	0.1301350	0.25956360	2.4339231	21	—	—
381136 2007 EW_{118}	16.6	X	350.11842	337.05813	46.99497	4.63780	0.1386423	0.24052547	2.5607194	21	11 15.8	19.1
381137 2007 EO_{128}	17.4	X	64.67654	84.36772	339.23373	1.72152	0.2091985	0.27175647	2.3605659	21	—	—
381138 2007 EH_{144}	17.0	X	106.28931	144.05875	112.59834	2.53202	0.0732399	0.24128667	2.5553310	21	10 31.5	20.7
381139 2007 EL_{151}	17.3	X	6.18558	204.33347	83.62559	2.91912	0.1279493	0.22667780	2.6639745	21	7 25.4	19.9
381140 2007 EB_{187}	16.6	X	358.11237	231.18229	121.42699	6.06042	0.2357531	0.24140869	2.5544699	21	10 30.9	18.8
381141 2007 EJ_{191}	16.3	X	324.17836	313.32887	17.27991	11.68913	0.2375871	0.22185969	2.7024050	21	6 21.2	19.3
381142 2007 EL_{195}	17.4	X	2.12987	255.65684	171.43536	4.65672	0.1771193	0.25914260	2.4365585	21	—	—
381143 2007 EO_{198}	15.1	X	165.84814	283.39678	357.23578	24.25370	0.4083600	0.17825272	3.1268852	21	—	—
381144 2007 EU_{219}	13.5	X	343.24420	263.93049	31.87129	27.88465	0.0638685	0.08033458	5.3194619	21	6 25.4	20.5
381145 2007 FX_{5}	17.9	X	289.79512	4.79352	118.97782	3.35208	0.1518782	0.25496449	2.4631050	21	12 18.4	20.3
381146 2007 FD_{33}	16.5	X	42.76327	84.60044	163.43235	5.88896	0.1543766	0.22450934	2.6811005	21	8 4.6	19.5
381147 2007 GX_{1}	16.8	X	357.14512	121.61756	37.89411	22.32606	0.3164376	0.27253260	2.3560821	21	—	—
381148 2007 GZ_{1}	13.6	X	0.64001	204.87701	54.04093	15.50605	0.0393027	0.08310421	5.2006071	21	6 6.4	20.3
381149 2007 GN_{5}	16.2	X	298.60245	226.42047	116.98129	10.46821	0.0722994	0.21533468	2.7567247	21	6 23.7	19.9
381150 2007 GU_{11}	17.2	X	290.33007	358.74716	146.69046	8.24651	0.0822608	0.25665387	2.4522844	21	—	—
381151 2007 GZ_{11}	16.2	X	6.01338	255.02698	107.08399	6.75830	0.1652183	0.24254023	2.5465186	21	11 19.5	18.9
381152 2007 GC_{21}	16.9	X	27.69358	259.39568	56.60910	3.89597	0.0939855	0.22972412	2.6403712	21	10 9.2	20.1
381153 2007 GR_{21}	16.7	X	307.33648	313.90504	46.93428	7.15209	0.0537078	0.22382312	2.6865778	21	8 5.0	20.2
381154 2007 GK_{23}	17.2	X	305.37239	102.85503	47.86245	3.07545	0.1206739	0.25578250	2.4578507	21	—	—
381155 2007 GN_{24}	16.5	X	53.45202	197.07173	60.74801	13.27188	0.1774937	0.22236929	2.6982748	21	9 16.9	20.2
381156 2007 GW_{30}	16.1	X	356.80689	269.45104	31.76658	13.24396	0.2070446	0.22024535	2.7155943	21	8 2.1	18.8
381157 2007 GE_{39}	17.6	X	279.58109	146.20989	52.39680	1.76175	0.1675404	0.25970012	2.4330701	21	—	—
381158 2007 GP_{40}	16.6	X	121.81152	158.77264	39.99097	18.75455	0.1887288	0.22894139	2.6463859	21	9 21.1	21.1
381159 2007 GQ_{56}	17.5	X	146.37659	89.34121	118.02809	4.61061	0.1764199	0.23586895	2.5943120	21	10 15.9	21.7
381160 2007 GH_{71}	17.3	X	246.06821	82.76138	113.13732	6.51854	0.1691977	0.25676922	2.4515499	21	—	—
381161 2007 GP_{73}	16.1	X	354.72898	249.21444	63.70326	13.96814	0.1791737	0.22210343	2.7004276	21	8 16.2	19.0
381162 2007 HQ_{18}	16.7	X	340.37744	230.62773	49.08073	4.79218	0.1751921	0.21361552	2.7714955	21	5 18.6	19.5
381163 2007 HF_{40}	16.5	X	353.01031	302.30575	37.71353	12.93255	0.3006945	0.22737848	2.6584988	21	10 2.6	18.3
381164 2007 HN_{50}	17.4	X	65.03959	85.89537	166.74170	6.28144	0.0738796	0.22517279	2.6758316	21	9 1.5	21.0
381165 2007 HH_{65}	16.1	X	27.93011	200.33895	84.44049	12.18473	0.1576842	0.22304346	2.6928348	21	9 9.2	19.4
381166 2007 HY_{72}	16.9	X	1.45821	270.71538	64.63541	5.72742	0.1104264	0.22823709	2.6518273	21	9 26.5	19.8
381167 2007 HV_{76}	16.4	X	235.95917	154.77798	54.46185	15.20541	0.0671992	0.25246158	2.4793577	21	—	—
381168 2007 HC_{88}	16.7	X	153.89429	88.53615	128.43431	8.55531	0.1129978	0.23897245	2.5718018	21	11 4.9	20.8
381169 2007 HM_{90}	16.0	X	27.59067	190.98403	86.99269	13.55194	0.1576824	0.22225671	2.6991859	21	8 28.9	19.3
381170 2007 HH_{95}	15.8	X	300.41443	246.78425	85.31958	12.24549	0.2455927	0.21164231	2.7886952	21	5 16.9	19.5
381171 2007 HY_{97}	15.9	X	24.88846	201.60137	88.90320	17.57249	0.1496849	0.22159244	2.7045775	21	9 13.6	19.4
381172 2007 JW	16.7	X	138.83593	356.49750	189.53035	13.30325	0.1830753	0.23099343	2.6306898	21	9 8.9	21.1
381173 2007 JU_{4}	16.3	X	57.69115	233.30301	63.50157	8.19837	0.0100143	0.23207007	2.6225471	21	10 15.4	19.8
381174 2007 JT_{6}	17.0	X	289.03555	114.96082	225.66459	3.22157	0.2147503	0.21273503	2.7791376	21	5 15.3	21.0
381175 2007 JX_{9}	16.3	X	269.77905	138.05259	353.79617	8.59261	0.1629336	0.24534239	2.5270916	21	11 17.9	19.4
381176 2007 JG_{14}	16.8	X	147.42286	325.47693	188.18833	11.08246	0.0199210	0.22205822	2.7007941	21	7 28.5	20.7
381177 2007 JG_{20}	17.1	X	42.80153	66.98016	218.68475	13.50639	0.0773906	0.22698548	2.6615666	21	9 11.3	20.8
381178 2007 JM_{28}	16.6	X	156.41118	132.59540	84.63696	14.32147	0.2313256	0.23767852	2.5811273	21	11 7.7	21.2
381179 2007 JU_{30}	18.2	X	143.82725	60.70151	227.04924	19.66498	0.0418725	0.38501698	1.8713261	21	—	—
381180 2007 LF_{13}	16.8	X	337.09492	220.59506	121.54912	13.57515	0.0333461	0.22499160	2.6772680	21	8 24.9	20.2
381181 2007 LV_{19}	19.6	X	339.50606	301.30263	264.06643	14.88905	0.3203858	0.55207733	1.4716440	21	—	—
381182 2007 LX_{20}	17.8	X	41.64217	320.55043	85.95001	25.03010	0.0896980	0.39026511	1.8545116	21	—	—
381183 2007 LN_{21}	17.1	X	39.09851	97.28389	180.39189	6.41048	0.0383815	0.22302992	2.6929438	21	8 23.5	20.7
381184 2007 LR_{21}	16.8	X	212.48829	51.88607	92.62413	15.86874	0.0832813	0.23308138	2.6149557	21	10 13.3	20.9
381185 2007 LQ_{28}	16.1	X	306.05336	158.90193	216.31393	14.27167	0.0818022	0.22188747	2.7021795	21	8 10.9	19.8
381186 2007 MP_{13}	16.8	X	143.67837	80.25389	139.43787	8.02786	0.1484636	0.23529679	2.5985159	21	10 29.0	21.0
381187 2007 NN_{6}	16.9	X	13.54484	205.74742	65.48641	13.63725	0.2743102	0.21132773	2.7914620	21	7 30.7	19.4
381188 2007 OK_{6}	17.6	X	315.81005	166.71058	117.38663	3.23231	0.2058473	0.27180462	2.3602871	21	4 1.8	20.3
381189 2007 OD_{11}	15.7	X	161.76416	38.55438	21.73412	16.38286	0.0853602	0.17886129	3.1197884	21	4 22.0	20.5
381190 2007 PO_{24}	15.4	X	148.06336	61.94773	320.34615	15.14835	0.2536481	0.17739223	3.1369889	21	3 4.9	20.8
381191 2007 PN_{46}	15.9	X	180.01047	277.51967	154.78607	10.56908	0.1156117	0.19350553	2.9603323	21	5 29.9	20.7
381192 2007 PX_{49}	16.3	X	155.19713	94.32586	337.52339	8.48918	0.0199384	0.19017274	2.9948187	21	4 21.6	20.7
381193 2007 QP_{15}	16.2	X	200.26766	199.77698	160.23243	11.13551	0.1233731	0.18399652	3.0614674	21	3 22.9	21.1
381194 2007 RQ_{9}	15.5	X	139.30942	358.43967	224.37903	32.66137	0.1459409	0.23212937	2.6221004	21	10 24.6	19.8
381195 2007 RH_{13}	15.9	X	222.84221	301.00480	11.73237	11.92421	0.2668245	0.18187909	3.0851825	21	2 15.9	21.5
381196 2007 RM_{26}	16.6	X	50.63467	285.99103	331.81165	1.91846	0.1409642	0.21162233	2.7888708	21	8 28.8	20.0
381197 2007 RS_{31}	15.6	X	12.54282	64.94887	238.86215	8.78266	0.1855500	0.21087429	2.7954622	21	8 28.9	18.7
381198 2007 RG_{35}	16.3	X	201.34434	220.88163	132.43834	4.15768	0.1971230	0.18491989	3.0512676	21	3 15.6	21.5
381199 2007 RT_{45}	16.0	X	229.34928	51.71873	332.85471	9.08607	0.1487276	0.19238617	2.9718039	21	5 12.6	20.9
381200 2007 RD_{49}	15.8	X	29.09034	152.03459	12.50554	16.62730	0.1598555	0.17683896	3.1435286	21	3 22.1	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381201 2007 RF_{57}	15.9	X	204.14621	0.34444	340.24327	9.12621	0.1136590	0.17956438	3.1116393	21	3 2.6	20.8
381202 2007 RL_{58}	15.7	X	237.36326	312.46586	337.84339	9.22926	0.3023623	0.18064408	3.0992283	21	1 28.3	21.3
381203 2007 RF_{70}	16.5	X	166.89066	279.34325	105.54377	3.04553	0.1820597	0.18097087	3.0954961	21	3 24.3	21.6
381204 2007 RR_{70}	17.2	X	157.02048	323.36190	88.22230	2.57748	0.1782703	0.18285562	3.0741886	21	4 15.4	22.3
381205 2007 RK_{94}	16.3	X	152.19603	313.67971	119.96178	2.41256	0.2502547	0.18114172	3.0935494	21	5 11.2	21.6
381206 2007 RD_{102}	16.3	X	175.12361	37.40648	336.76086	16.75396	0.2241705	0.18046497	3.1012785	21	3 15.0	21.8
381207 2007 RF_{110}	16.7	X	207.46205	29.20679	12.06972	4.96902	0.1479204	0.19077037	2.9885608	21	5 14.5	21.6
381208 2007 RT_{125}	16.2	X	150.08641	341.78790	51.74063	10.04727	0.2080559	0.17701877	3.1413994	21	3 25.0	21.4
381209 2007 RG_{130}	15.9	X	34.78420	142.29825	19.62754	9.95609	0.0236969	0.17843236	3.1247862	21	3 21.1	20.1
381210 2007 RN_{149}	16.0	X	160.03087	190.18542	212.42482	19.44305	0.2094634	0.17913361	3.1166258	21	4 6.9	21.2
381211 2007 RO_{160}	16.4	X	135.29257	28.25348	25.78663	4.84438	0.1746349	0.17636141	3.1492007	21	3 29.4	21.2
381212 2007 RM_{167}	16.2	X	114.13056	297.63020	164.06606	13.77791	0.1443797	0.18411142	3.0601935	21	5 2.9	20.9
381213 2007 RV_{173}	16.1	X	147.90710	12.86663	43.66003	6.59957	0.1933260	0.17914264	3.1165211	21	4 14.6	21.2
381214 2007 RM_{193}	16.2	X	247.93065	144.36271	175.52452	9.69559	0.1222553	0.18536738	3.0463549	21	3 19.3	20.8
381215 2007 RW_{198}	15.7	X	188.74820	63.29954	290.56555	13.71906	0.2646416	0.18051738	3.1006783	21	2 28.6	21.4
381216 2007 RR_{206}	16.5	X	298.83080	259.06114	50.51602	3.51144	0.0588848	0.19234928	2.9721838	21	5 12.3	20.5
381217 2007 RM_{211}	16.6	X	218.66254	338.83896	351.58458	4.37757	0.2406075	0.18385245	3.0630666	21	3 1.3	21.9
381218 2007 RZ_{212}	15.9	X	210.87942	34.70593	343.88766	8.53658	0.0448751	0.18673541	3.0314583	21	4 21.6	20.5
381219 2007 RL_{222}	16.4	X	160.15466	248.77956	206.47976	5.55085	0.1218563	0.18737856	3.0245176	21	6 6.4	21.1
381220 2007 RN_{232}	15.8	X	154.37934	243.14142	172.70678	11.00122	0.1578209	0.18217090	3.0818870	21	4 17.9	20.8
381221 2007 RD_{247}	15.8	X	164.30888	67.19182	323.50730	8.57792	0.0996754	0.17912365	3.1167414	21	3 19.8	20.6
381222 2007 RR_{268}	16.0	X	91.15776	68.06233	21.14976	14.37943	0.1749199	0.17392259	3.1785720	21	3 26.1	20.4
381223 2007 RX_{271}	16.6	X	233.20368	113.38298	206.84199	10.54547	0.1255460	0.18155953	3.0888016	21	3 2.6	21.6
381224 2007 RZ_{278}	15.5	X	200.39184	256.43157	97.23299	19.86425	0.1671456	0.18470493	3.0536345	21	3 23.2	20.9
381225 2007 RO_{291}	16.8	X	159.04432	2.37411	41.14234	1.17485	0.1832211	0.18019486	3.1043769	21	4 7.3	21.7
381226 2007 RV_{293}	16.7	X	150.67645	7.07481	39.31872	3.87597	0.2025014	0.17831187	3.1261937	21	4 5.4	21.9
381227 2007 RX_{294}	17.0	X	155.54749	174.02013	220.03267	0.68664	0.1403529	0.17792102	3.1307703	21	3 20.9	21.9
381228 2007 RY_{310}	15.4	X	176.38381	322.88809	41.29437	16.26952	0.2414206	0.17949555	3.1124347	21	3 16.8	21.0
381229 2007 SM_{3}	15.9	X	143.93035	35.44514	13.11397	10.85367	0.2526480	0.17692114	3.1425550	21	4 4.8	21.2
381230 2007 SJ_{15}	16.0	X	216.93188	354.42216	29.54036	10.16497	0.0966178	0.18642909	3.0347780	21	5 4.6	20.8
381231 2007 ST_{23}	15.7	X	171.16669	299.03926	89.17857	9.61098	0.0534504	0.17720420	3.1392077	21	3 29.7	20.5
381232 2007 TD_{6}	15.7	X	142.75636	58.73501	11.09060	27.15203	0.1018331	0.18087177	3.0966267	21	4 11.6	20.5
381233 2007 TM_{10}	16.0	X	144.06003	52.77767	21.34284	17.88618	0.2606022	0.17902181	3.1179233	21	5 1.6	21.4
381234 2007 TT_{11}	15.4	X	128.72679	28.72494	28.98021	27.08033	0.1342672	0.17431813	3.1737620	21	3 31.3	20.4
381235 2007 TJ_{14}	15.5	X	112.99808	171.39876	327.53791	10.65835	0.0569221	0.19275139	2.9680488	21	5 31.7	19.9
381236 2007 TC_{33}	16.1	X	85.22524	270.69139	213.41214	8.85793	0.0543083	0.17722951	3.1389088	21	4 9.1	20.4
381237 2007 TJ_{37}	15.9	X	146.93103	37.04415	17.58483	10.16518	0.1209731	0.17915818	3.1163409	21	4 4.9	20.7
381238 2007 TK_{42}	16.5	X	160.74374	256.15619	181.67884	6.52643	0.0968311	0.18949731	3.0019308	21	5 15.9	21.2
381239 2007 TJ_{43}	16.0	X	145.90368	49.78212	52.23726	10.50346	0.0906281	0.18286403	3.0740943	21	5 27.9	20.6
381240 2007 TR_{43}	16.0	X	132.71025	110.44624	323.15921	6.09374	0.1566322	0.17659286	3.1464484	21	4 13.9	21.0
381241 2007 TE_{44}	15.7	X	197.93246	347.12657	16.89882	18.06479	0.2052863	0.17951756	3.1121804	21	3 27.1	21.0
381242 2007 TP_{56}	16.0	X	197.79443	358.66173	31.32068	11.34082	0.1000276	0.18241236	3.0791668	21	4 23.8	20.8
381243 2007 TD_{63}	16.5	X	279.52491	254.66202	28.47610	4.18991	0.2436725	0.18259872	3.0770714	21	2 24.5	21.4
381244 2007 TQ_{65}	16.4	X	165.63329	48.28433	333.43716	7.44796	0.1832814	0.17643962	3.1482700	21	3 16.8	21.7
381245 2007 TA_{69}	16.1	X	134.03265	140.93414	322.03756	16.36580	0.1594954	0.18281355	3.0746603	21	5 19.4	21.2
381246 2007 TU_{76}	16.8	X	166.21056	357.21881	61.88487	1.38517	0.1978363	0.18613773	3.0379441	21	5 2.0	21.9
381247 2007 TZ_{76}	15.6	X	156.55559	36.90719	26.43561	10.08761	0.0930975	0.18136495	3.0910105	21	4 22.1	20.3
381248 2007 TF_{94}	15.7	X	154.57044	212.84572	203.64766	16.78554	0.2043460	0.18059913	3.0997425	21	4 20.1	20.8
381249 2007 TD_{105}	15.9	X	260.21234	199.06664	91.87172	9.90721	0.0995258	0.17633839	3.1494748	21	3 4.7	20.8
381250 2007 TR_{106}	16.1	X	116.49513	86.21393	14.73063	9.98027	0.2759543	0.17755246	3.1351014	21	5 13.3	21.3
381251 2007 TG_{120}	15.5	X	150.95576	14.78741	31.67884	23.59854	0.0730679	0.17757033	3.1348910	21	4 2.3	20.3
381252 2007 TK_{124}	15.4	X	69.19845	131.15080	38.86560	14.54337	0.0786025	0.18398325	3.0616146	21	5 17.8	19.5
381253 2007 TX_{125}	16.6	X	108.79474	352.99596	100.62783	0.39558	0.1748092	0.17403627	3.1771876	21	4 18.3	21.2
381254 2007 TU_{129}	16.1	X	166.17908	321.84592	39.44393	5.67055	0.1166727	0.17091501	3.2157522	21	2 22.8	21.2
381255 2007 TQ_{138}	15.6	X	144.78098	101.68465	344.76151	16.11873	0.2075557	0.18126543	3.0921418	21	5 11.1	21.0
381256 2007 TN_{153}	15.8	X	178.68013	21.27426	4.73609	9.70066	0.0789216	0.18075982	3.0979051	21	3 30.2	20.4
381257 2007 TF_{156}	16.0	X	154.33019	49.94727	0.76371	9.56531	0.2261030	0.17773631	3.1329390	21	4 12.0	21.3
381258 2007 TR_{159}	16.0	X	183.79796	138.79129	222.43061	15.91593	0.2319105	0.17663193	3.1459844	21	3 6.3	21.7
381259 2007 TL_{162}	15.5	X	84.26124	265.83940	206.82100	16.12006	0.1414565	0.17501897	3.1652836	21	4 6.3	19.7
381260 Ouellette	15.8	X	219.79846	287.10513	104.35879	11.38123	0.1365837	0.18837116	3.0138833	21	5 18.9	20.7
381261 2007 TK_{176}	15.6	X	223.62150	289.50951	24.22056	13.99854	0.0931775	0.17463289	3.1699472	21	2 25.3	20.7
381262 2007 TX_{178}	15.6	X	187.84018	11.74619	10.04035	11.60301	0.1172154	0.17924396	3.1153465	21	4 4.3	20.6
381263 2007 TZ_{178}	16.5	X	223.86086	249.20317	81.08807	2.42499	0.1644328	0.18020096	3.1043069	21	3 8.4	21.5
381264 2007 TY_{189}	16.1	X	96.56844	123.13013	350.74722	9.58232	0.0770724	0.18526701	3.0474551	21	4 11.0	20.4
381265 2007 TK_{194}	16.1	X	237.30223	279.51753	30.75699	5.20375	0.1320161	0.17816893	3.1278655	21	2 27.9	21.0
381266 2007 TK_{203}	16.4	X	155.48471	233.24635	205.09107	4.98851	0.1299926	0.18013463	3.1050689	21	5 12.9	21.3
381267 2007 TS_{204}	16.1	X	150.08470	317.26612	76.04671	5.80177	0.1694038	0.17294625	3.1905235	21	3 20.9	21.2
381268 2007 TL_{213}	16.1	X	217.11452	1.04587	11.13854	9.26640	0.1460353	0.18379738	3.0636784	21	4 18.2	21.0
381269 2007 TS_{226}	15.6	X	70.45213	105.16630	37.87357	26.32830	0.2550139	0.17342530	3.1846454	21	5 10.1	19.8
381270 2007 TO_{228}	16.0	X	347.69247	331.18569	224.68265	4.76040	0.0758161	0.17220723	3.1996449	21	2 22.3	20.3
381271 2007 TK_{231}	16.0	X	50.10565	318.15350	194.84665	11.34750	0.1544004	0.17603822	3.1530540	21	4 10.2	19.7
381272 2007 TD_{236}	16.7	X	116.20185	329.30530	122.57908	2.52286	0.0705701	0.17827582	3.1266151	21	4 11.8	21.1
381273 2007 TX_{245}	15.8	X	183.68932	100.43072	284.50387	14.58543	0.3250491	0.18166619	3.0875925	21	4 1.2	21.8
381274 2007 TO_{257}	16.5	X	141.11877	37.83898	42.62190	3.23280	0.1416854	0.17876258	3.1209368	21	5 1.7	21.3
381275 2007 TH_{282}	16.3	X	162.32764	35.88757	3.12643	9.81525	0.1113112	0.18126897	3.0921014	21	3 30.6	21.0
381276 2007 TL_{287}	15.4	X	185.82958	245.50709	130.43917	11.19286	0.1464657	0.18160832	3.0882483	21	3 31.6	20.5
381277 2007 TP_{290}	15.8	X	191.94787	317.93260	45.12766	18.55424	0.1439307	0.18115771	3.0933674	21	3 26.5	21.0
381278 2007 TJ_{304}	15.9	X	169.09469	1.47663	60.25120	11.95474	0.0356331	0.18125917	3.0922130	21	5 3.1	20.4
381279 2007 TR_{317}	16.2	X	96.98853	49.49939	54.54926	6.21242	0.1567077	0.17188069	3.2036962	21	4 16.8	20.7
381280 2007 TM_{328}	16.3	X	129.76725	21.93015	19.44386	12.46333	0.1128828	0.17027392	3.2238188	21	3 6.7	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381281 2007 TS_{337}	16.5	X	228.86051	319.01440	31.51357	3.18169	0.2100412	0.18789071	3.0190190	21	4 1.9	21.6
381282 2007 TU_{355}	15.9	X	165.17376	238.43508	119.61857	15.18103	0.2853138	0.17339408	3.1850277	21	2 27.6	21.6
381283 2007 TL_{380}	15.9	X	141.51768	297.44956	120.58831	6.59448	0.2001016	0.17687534	3.1430976	21	4 13.2	21.0
381284 2007 TW_{399}	16.2	X	252.94833	106.33417	237.99212	8.49900	0.1082176	0.18523969	3.0477548	21	4 23.0	20.9
381285 2007 TO_{414}	15.7	X	238.37590	272.80462	101.20508	12.26298	0.1632959	0.18909027	3.0062373	21	5 14.3	20.6
381286 2007 TS_{420}	15.4	X	160.72995	316.00681	98.34947	20.34435	0.1359297	0.17709909	3.1404496	21	4 28.5	20.7
381287 2007 TO_{422}	15.9	X	88.22430	39.14661	52.74065	17.69709	0.0608940	0.16911684	3.2385069	21	3 17.1	20.7
381288 2007 TR_{423}	15.8	X	123.10720	45.86484	35.07713	15.30368	0.0597775	0.17642901	3.1483962	21	4 7.6	20.3
381289 2007 TV_{427}	15.3	X	196.54941	285.29636	63.91865	17.08711	0.2430602	0.17792070	3.1307741	21	3 15.9	21.0
381290 2007 TS_{441}	15.9	X	155.08709	95.04383	280.62126	12.07116	0.1512649	0.17573127	3.1567245	21	2 23.0	21.1
381291 2007 TZ_{441}	15.4	X	178.59151	33.76886	313.68234	11.42944	0.0633631	0.17222839	3.1993829	21	2 12.3	20.3
381292 2007 TL_{448}	15.5	X	271.53755	38.47121	258.82885	7.48155	0.1767790	0.18371893	3.0645505	21	3 6.9	20.5
381293 2007 TM_{450}	16.0	X	112.63043	39.53661	40.17714	27.40757	0.1550489	0.17414521	3.1758626	21	4 11.8	20.9
381294 2007 UL_{1}	16.1	X	120.31548	62.92403	27.44478	10.08356	0.0795223	0.17850040	3.1239920	21	4 14.9	20.7
381295 2007 UY_{17}	15.7	X	135.26277	13.94846	73.29423	11.49276	0.0806288	0.18028241	3.1033719	21	5 1.3	20.3
381296 2007 UO_{25}	15.3	X	77.82206	56.14750	49.80251	23.26060	0.0463739	0.17006420	3.2264687	21	3 22.6	20.2
381297 2007 UE_{33}	15.4	X	236.57491	72.28820	265.62834	16.31230	0.2179511	0.18527013	3.0474209	21	3 15.7	20.9
381298 2007 UL_{33}	16.1	X	146.77280	62.19109	324.85302	16.93390	0.2019314	0.17264742	3.1942040	21	3 5.9	21.4
381299 2007 UG_{39}	15.9	X	147.05084	205.02637	245.48145	4.19576	0.1060390	0.18263345	3.0766812	21	5 16.7	20.4
381300 2007 UK_{46}	16.2	X	168.66220	137.16913	219.17559	17.44215	0.2371619	0.17282324	3.1920373	21	2 17.5	21.9
381301 2007 UQ_{53}	15.9	X	113.31606	77.19021	41.78686	17.28289	0.1849040	0.17758783	3.1346851	21	5 22.4	20.8
381302 2007 UX_{86}	15.9	X	93.92811	24.41151	62.15291	10.29746	0.0412014	0.16914491	3.2381485	21	3 10.6	20.6
381303 2007 UU_{106}	15.9	X	154.37360	346.42119	46.24805	17.41534	0.0595019	0.17196058	3.2027039	21	3 21.5	20.9
381304 2007 VZ_{3}	16.4	X	153.57939	118.56444	276.33023	7.77559	0.1734649	0.17721191	3.1391166	21	3 18.8	21.6
381305 2007 VT_{17}	16.5	X	58.01702	83.57242	44.20416	11.99336	0.0340918	0.17286307	3.1915470	21	3 14.4	21.0
381306 2007 VX_{30}	16.0	X	150.91208	183.39877	246.26448	9.71869	0.2087997	0.17832453	3.1260458	21	5 1.4	21.2
381307 2007 VB_{38}	16.1	X	39.27034	133.46579	41.04087	13.97994	0.1004803	0.17764949	3.1339597	21	4 17.3	20.0
381308 2007 VV_{43}	15.2	X	285.06716	240.58756	34.45166	25.35194	0.0673236	0.17581172	3.1557615	21	3 25.2	20.0
381309 2007 VH_{56}	15.8	X	158.78766	341.75646	75.24021	10.28775	0.0985269	0.17688618	3.1429691	21	4 21.9	20.7
381310 2007 VJ_{90}	15.1	X	300.02520	178.23477	70.15202	16.54715	0.0929224	0.17062028	3.2194544	21	3 4.5	19.9
381311 2007 VG_{93}	15.8	X	140.74105	137.57395	274.76137	10.47213	0.1972088	0.17346214	3.1841944	21	3 28.7	21.1
381312 2007 VW_{103}	15.8	X	158.68765	142.27517	216.56970	10.16180	0.0777468	0.16817685	3.2505629	21	2 4.2	20.9
381313 2007 VO_{118}	15.9	X	119.27428	241.78568	202.54498	10.66643	0.0628040	0.17534841	3.1613178	21	4 3.6	20.5
381314 2007 VP_{141}	16.3	X	161.69733	255.15900	118.62183	3.07536	0.0804971	0.16969744	3.2311157	21	3 1.0	21.1
381315 2007 VH_{169}	16.1	X	236.92008	152.85598	253.44543	9.28651	0.0664407	0.18681136	3.0306366	21	6 27.1	20.5
381316 2007 VU_{177}	16.7	X	179.58871	52.48802	325.26910	1.36738	0.2582117	0.18213677	3.0822720	21	3 26.6	22.2
381317 2007 VE_{204}	15.4	X	61.72629	97.26939	64.05288	26.50438	0.2036154	0.17364737	3.1819297	21	5 19.1	19.3
381318 2007 VX_{213}	15.7	X	221.44124	245.94384	73.30472	13.20603	0.0746985	0.17137199	3.2100329	21	3 2.7	20.8
381319 2007 VM_{223}	15.6	X	109.47634	57.62841	77.43201	19.67519	0.0634465	0.18136281	3.0910348	21	5 27.3	20.0
381320 2007 VQ_{226}	15.8	X	142.08027	104.73739	3.47357	7.45584	0.1201005	0.18309778	3.0714775	21	6 2.4	20.7
381321 2007 VU_{228}	15.9	X	306.92529	220.55502	39.79640	4.42441	0.0550952	0.17543334	3.1602975	21	3 25.3	20.3
381322 2007 VA_{251}	15.4	X	141.38635	143.62711	273.85805	10.93833	0.1013397	0.17478082	3.1681583	21	3 26.4	20.5
381323 2007 VV_{252}	15.2	X	171.52159	303.72161	63.35923	20.10477	0.2136768	0.17389761	3.1788764	21	3 19.3	20.9
381324 2007 VM_{265}	16.4	X	206.85495	296.34306	55.29432	2.53079	0.1179220	0.17336623	3.1853687	21	3 19.8	21.4
381325 2007 VT_{270}	15.8	X	149.29972	196.12444	290.38679	8.09017	0.0898859	0.18644652	3.0345888	21	7 2.3	20.4
381326 2007 VN_{276}	15.8	X	8.56797	278.67171	260.31075	7.98012	0.0621924	0.17262369	3.1944968	21	3 1.5	20.2
381327 2007 VQ_{279}	15.5	X	1.21771	335.32971	236.55830	24.97389	0.0844986	0.17549570	3.1595487	21	3 28.9	19.9
381328 2007 VW_{287}	15.7	X	33.11341	253.86641	274.30996	8.04006	0.0709716	0.17093322	3.2155238	21	3 23.1	20.1
381329 2007 VC_{303}	15.5	X	136.51291	342.77354	91.65598	30.14942	0.2198161	0.17492363	3.1664337	21	5 10.2	21.1
381330 2007 VO_{323}	15.7	X	150.68499	167.84127	290.74924	10.28425	0.0994842	0.18387218	3.0628474	21	5 29.4	20.5
381331 2007 VS_{327}	15.5	X	91.60692	170.67780	293.25851	8.40898	0.0966092	0.17127018	3.2113049	21	3 26.3	20.2
381332 2007 WN_{63}	15.8	X	150.05088	158.09919	270.87684	20.07528	0.3032558	0.17633203	3.1495505	21	5 3.1	21.6
381333 2007 XK_{13}	15.6	X	142.92828	189.63477	267.30201	7.79672	0.2308823	0.17639743	3.1487720	21	5 29.5	20.8
381334 2007 XN_{56}	15.1	X	65.99902	248.71639	300.73055	24.83598	0.2248463	0.17233181	3.1981027	21	7 5.9	19.5
381335 2007 YE_{33}	16.4	X	78.86221	140.62435	273.20628	2.39818	0.1273390	0.15738858	3.3974565	21	1 19.1	20.8
381336 2008 AN_{61}	17.6	X	3.35783	52.41552	137.67432	5.43733	0.0919148	0.30532688	2.1842014	21	2 10.9	19.6
381337 2008 AJ_{106}	17.4	X	284.06738	277.69147	30.17552	2.80978	0.0783029	0.31766026	2.1272937	21	4 4.7	19.9
381338 2008 BP_{30}	17.9	X	225.10751	208.58842	148.02604	4.08554	0.1333428	0.31223141	2.1518814	21	3 29.9	20.8
381339 2008 BQ_{46}	18.2	X	171.49888	38.28636	330.03191	4.93846	0.1378133	0.30246450	2.1979599	21	2 17.9	21.1
381340 2008 BZ_{47}	15.3	X	278.58208	168.23496	103.99661	13.27009	0.0587082	0.15841496	3.3827658	21	3 10.9	20.3
381341 2008 CU_{13}	18.1	X	95.81544	5.46535	113.80585	3.31677	0.1165611	0.30918860	2.1659765	21	4 14.3	20.3
381342 2008 CH_{17}	17.3	X	165.97664	7.24105	314.45219	6.10934	0.1448771	0.28779780	2.2720144	21	—	—
381343 2008 CG_{25}	17.8	X	307.00621	69.87522	143.09609	5.69907	0.1316588	0.29289209	2.2455925	21	—	—
381344 2008 CM_{49}	17.7	X	232.50744	153.03645	108.61007	2.65836	0.1270299	0.29040428	2.2583992	21	—	—
381345 2008 CW_{69}	17.6	X	40.26369	54.80163	77.06488	6.43464	0.0750199	0.30074916	2.2063095	21	1 22.4	19.7
381346 2008 CY_{102}	18.0	X	152.13420	107.49319	187.77383	5.94939	0.1497375	0.28194860	2.3033296	21	—	—
381347 2008 CH_{122}	17.5	X	350.52903	242.61531	336.82917	5.39808	0.1157112	0.30420139	2.1895856	21	3 1.5	19.5
381348 2008 CC_{133}	17.7	X	115.40536	86.74270	334.72236	5.98059	0.1330519	0.30257349	2.1974321	21	2 20.1	20.0
381349 2008 CK_{133}	18.3	X	121.56531	113.00884	334.32400	2.20456	0.0749879	0.30747384	2.1740220	21	3 26.9	20.9
381350 2008 CV_{159}	17.1	X	300.06868	244.76019	328.60739	6.92819	0.0460999	0.29188897	2.2507345	21	—	—
381351 2008 CE_{175}	14.8	X	71.45307	240.88210	310.17007	25.33257	0.2243067	0.17244476	3.1967061	21	7 16.1	19.3
381352 2008 CR_{192}	17.7	X	241.76672	100.30367	150.90456	1.42261	0.1813585	0.28504990	2.2865926	21	—	—
381353 2008 CY_{211}	17.8	X	121.29425	82.60599	337.66159	6.85747	0.0832648	0.30280917	2.1962918	21	2 19.1	20.1
381354 2008 CC_{215}	18.1	X	264.12663	118.62149	108.76245	0.82647	0.1639045	0.28136514	2.3065127	21	—	—
381355 2008 DU_{15}	17.7	X	338.82176	157.97227	31.20113	4.10497	0.0664033	0.29541253	2.2328015	21	1 9.2	20.2
381356 2008 DS_{19}	17.4	X	184.96947	326.40836	322.70611	2.74509	0.1683509	0.27928089	2.3179740	21	—	—
381357 2008 DP_{31}	17.7	X	224.67387	228.49805	19.27208	4.69694	0.1895913	0.28013681	2.3132501	21	—	—
381358 2008 DA_{58}	14.9	X	72.11560	34.98746	191.58764	27.10777	0.1143773	0.17155536	3.2077451	21	8 6.2	19.8
381359 2008 DP_{58}	18.0	X	302.18122	355.81951	249.84417	1.92307	0.0719917	0.30268834	2.1968762	21	2 2.2	20.7
381360 2008 DV_{78}	17.3	X	269.91216	125.19128	88.93715	6.95907	0.2191451	0.28202359	2.3029212	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381361 2008 DH_{88}	17.6	X	270.66877	146.14841	65.66593	6.19427	0.1176434	0.28476938	2.2880940	21	—	—
381362 2008 EP_{15}	18.5	X	67.08469	309.27040	147.66897	2.04906	0.1047128	0.29442304	2.2378013	21	1 19.1	20.4
381363 2008 EZ_{21}	17.7	X	337.67717	354.82650	192.02726	4.50764	0.1234316	0.29144653	2.2530117	21	—	—
381364 2008 EB_{24}	17.3	X	239.55345	189.82425	77.97542	6.74096	0.0759306	0.28900015	2.2657084	21	—	—
381365 2008 EA_{38}	17.5	X	251.37439	200.56894	51.57723	4.81361	0.1438196	0.28688884	2.2768108	21	—	—
381366 2008 EK_{71}	17.8	X	52.94386	105.64560	20.27324	5.38687	0.0715355	0.29967473	2.2115799	21	2 6.1	19.9
381367 2008 EM_{79}	18.1	X	21.10436	304.74347	177.03796	3.83630	0.0904924	0.29166969	2.2518624	21	—	—
381368 2008 EZ_{88}	17.1	X	271.61990	127.22676	90.23908	7.58853	0.0573707	0.28655027	2.2786039	21	—	—
381369 2008 EQ_{111}	18.0	X	142.95196	184.29788	82.73796	3.76193	0.1849487	0.26639283	2.3921461	21	12 25.3	21.8
381370 2008 EY_{116}	18.0	X	356.95327	107.59717	71.99860	2.83462	0.0922803	0.29398583	2.2400194	21	1 19.1	20.2
381371 2008 EF_{146}	17.4	X	266.90745	198.40072	51.74074	7.71913	0.0726847	0.28845522	2.2685609	21	—	—
381372 2008 EZ_{157}	15.5	X	316.43884	314.12520	162.42787	5.94265	0.1140163	0.12695778	3.9206959	21	12 20.9	20.6
381373 2008 FK_{23}	17.8	X	130.75765	310.20251	110.14386	4.99530	0.1666438	0.29894341	2.2151853	21	3 19.6	20.6
381374 2008 FO_{33}	17.8	X	257.43462	40.97845	170.81249	4.71308	0.0716307	0.28208636	2.3025796	21	—	—
381375 2008 FE_{39}	17.0	X	132.06007	254.45104	47.14564	10.00751	0.2111210	0.26621476	2.3932127	21	—	—
381376 2008 FG_{40}	17.7	X	251.64335	112.64897	89.24257	2.45392	0.1228413	0.27559702	2.3385844	21	—	—
381377 2008 FE_{55}	18.0	X	279.55698	125.55945	52.03733	2.44211	0.1181830	0.27713908	2.3299013	21	—	—
381378 2008 FC_{72}	17.8	X	87.12579	270.19852	154.73561	6.51866	0.0871054	0.29372979	2.2413210	21	1 5.1	20.2
381379 2008 FH_{101}	17.8	X	312.52733	76.47588	131.54244	5.40641	0.1230215	0.28798404	2.2710347	21	—	—
381380 2008 FA_{109}	18.3	X	51.18887	315.44978	141.04378	3.41704	0.0516822	0.28943853	2.2634200	21	—	—
381381 2008 FB_{119}	17.6	X	223.63942	237.67656	36.10988	8.55669	0.0976274	0.28370115	2.2938340	21	—	—
381382 2008 FM_{124}	17.4	X	136.92365	48.23710	248.08123	0.83200	0.1821701	0.26595004	2.3948005	21	—	—
381383 2008 FO_{131}	17.8	X	292.30489	11.43123	185.70680	5.33244	0.1398683	0.28458985	2.2890562	21	—	—
381384 2008 FH_{135}	14.0	X	30.48255	194.23986	38.04543	9.63358	0.0518533	0.08359647	5.1801710	21	6 14.5	20.7
381385 2008 GZ_{1}	17.4	X	306.54602	347.31953	219.11232	5.12366	0.1207994	0.28728566	2.2747137	21	—	—
381386 2008 GK_{28}	17.5	X	193.36137	121.81284	125.21602	4.22691	0.1314708	0.27051007	2.3678113	21	—	—
381387 2008 GW_{31}	17.4	X	32.60434	331.35091	128.79192	7.12146	0.0499755	0.28321511	2.2964576	21	—	—
381388 2008 GR_{32}	17.3	X	188.15050	202.67642	70.77783	6.36505	0.2117199	0.27172214	2.3607647	21	—	—
381389 2008 GD_{34}	18.0	X	122.49733	103.63793	185.05282	1.02565	0.1697799	0.26426196	2.4049882	21	—	—
381390 2008 GP_{40}	17.6	X	353.07423	123.32526	52.65359	8.56978	0.0770525	0.29098737	2.2553812	21	1 11.6	20.2
381391 2008 GW_{40}	16.6	X	209.19944	178.84741	46.17589	13.57511	0.0300586	0.27013439	2.3700061	21	—	—
381392 2008 GN_{42}	17.5	X	144.10362	137.15668	151.42623	5.14044	0.0967179	0.26715482	2.3875953	21	—	—
381393 2008 GQ_{54}	17.6	X	215.09140	158.36010	73.98780	2.49385	0.1445443	0.27299003	2.3534494	21	—	—
381394 2008 GQ_{62}	17.5	X	203.43581	15.62035	219.94019	3.02868	0.1609435	0.27015558	2.3698822	21	—	—
381395 2008 GC_{64}	16.6	X	25.31916	237.02837	44.14308	27.37469	0.2691397	0.23668239	2.5883644	21	9 30.8	19.8
381396 2008 GN_{68}	17.1	X	130.81598	147.34947	99.52022	5.21851	0.1871615	0.25497471	2.4630391	21	11 20.5	21.2
381397 2008 GH_{78}	17.1	X	234.31561	116.37865	72.82731	8.20302	0.0386440	0.26731955	2.3866143	21	—	—
381398 2008 GM_{95}	17.7	X	132.71981	192.66020	96.69060	4.89850	0.1929882	0.26410328	2.4059514	21	—	—
381399 2008 GK_{98}	17.5	X	34.65879	319.80636	155.33019	6.78758	0.0850581	0.28600798	2.2814832	21	—	—
381400 2008 GR_{105}	16.8	X	103.09255	329.05451	12.11994	15.15870	0.1196425	0.27135365	2.3629014	21	—	—
381401 2008 GL_{112}	17.0	X	247.22254	221.83724	18.69028	7.00786	0.0977991	0.28055643	2.3109430	21	—	—
381402 2008 GQ_{119}	17.5	X	243.83061	95.11908	142.89134	3.64550	0.0439010	0.27665962	2.3325924	21	—	—
381403 2008 GN_{124}	17.5	X	305.52140	105.56691	69.93593	6.42384	0.1125353	0.28332219	2.2958790	21	—	—
381404 2008 GO_{145}	17.7	X	243.96552	25.02554	174.84106	4.06945	0.1580290	0.27117267	2.3639526	21	—	—
381405 2008 HJ_{14}	18.2	X	268.46053	301.37731	306.64167	2.43757	0.0834921	0.28706258	2.2758921	21	—	—
381406 2008 HQ_{32}	16.8	X	121.83089	135.57263	198.29872	9.65473	0.1438711	0.26967134	2.3727183	21	—	—
381407 2008 HJ_{35}	17.0	X	141.16214	239.26961	86.20906	10.32336	0.0717020	0.27394379	2.3479837	21	—	—
381408 2008 HU_{40}	18.0	X	306.05339	318.70367	210.46034	9.14569	0.1563431	0.28139719	2.3063376	21	—	—
381409 2008 HM_{47}	12.9	X	235.40150	301.82807	95.78433	19.37463	0.1040070	0.08140034	5.2729288	21	6 14.6	20.2
381410 2008 HV_{56}	17.7	X	111.15562	34.29273	43.07782	3.71923	0.1178136	0.29739817	2.2228519	21	3 8.9	20.1
381411 2008 JE_{7}	17.3	X	153.57976	233.55570	53.22516	7.20918	0.1334084	0.26556464	2.3971169	21	—	—
381412 2008 JE_{12}	17.8	X	92.78974	250.16887	105.21123	2.86726	0.1877092	0.26493464	2.4009156	21	—	—
381413 2008 JM_{32}	16.8	X	93.39761	300.25540	55.13615	7.10447	0.1782604	0.26636933	2.3922868	21	—	—
381414 2008 JK_{37}	17.4	X	37.80108	181.97387	104.24562	4.32148	0.1805871	0.23983685	2.5656187	21	9 29.4	20.3
381415 2008 KY_{7}	14.2	X	334.54671	167.94301	143.92733	4.43002	0.0587223	0.08348978	5.1845832	21	7 5.2	20.7
381416 2008 KX_{8}	17.0	X	47.29143	318.98127	71.03415	6.48234	0.1069246	0.26631756	2.3925968	21	—	—
381417 2008 KJ_{11}	13.5	X	110.16763	50.66106	121.62625	12.99066	0.0014164	0.08372225	5.1749813	21	7 4.7	20.4
381418 2008 KQ_{29}	17.1	X	92.00597	233.49677	103.73071	7.97746	0.1068235	0.26313513	2.4118493	21	—	—
381419 2008 KE_{43}	13.2	X	265.82444	245.91440	122.86836	17.28307	0.0378823	0.08113808	5.2842851	21	6 21.9	20.3
381420 2008 LS_{2}	13.3	X	295.89463	220.71087	113.74718	9.63002	0.0949580	0.08227946	5.2353021	21	6 9.7	20.1
381421 2008 LZ_{10}	17.3	X	149.45969	168.58222	84.03946	11.04988	0.1902301	0.25797809	2.4438854	21	12 12.4	21.1
381422 2008 LN_{13}	13.1	X	36.42992	134.07318	106.72085	14.58176	0.0642450	0.08348419	5.1848144	21	7 3.9	19.8
381423 2008 MY_{1}	17.6	X	60.01589	155.94567	140.95192	4.46541	0.1862698	0.24496957	2.5296550	21	11 13.5	21.1
381424 2008 MC_{5}	16.0	X	298.12138	231.47027	115.41669	15.35786	0.2139538	0.21906398	2.7253486	21	6 7.4	19.7
381425 2008 NB_{3}	16.6	X	44.23854	184.43267	125.08019	8.91023	0.1501799	0.23774579	2.5806404	21	11 5.7	20.0
381426 2008 OM_{10}	16.0	X	345.13083	56.38755	294.14103	12.08425	0.2815988	0.22845700	2.6501252	21	9 8.6	18.0
381427 2008 OD_{13}	17.4	X	77.88810	95.90426	194.84854	2.33137	0.1826148	0.24275210	2.5450367	21	11 23.2	21.0
381428 2008 OJ_{22}	16.4	X	302.55905	53.50751	339.96959	16.79616	0.0908510	0.22638744	2.6662518	21	9 4.4	19.4
381429 2008 OT_{23}	16.9	X	310.98574	163.31404	157.96526	3.89770	0.1266349	0.21660567	2.7459302	21	6 3.6	20.4
381430 2008 OU_{23}	16.4	X	246.08895	87.75557	331.58695	12.23589	0.1913386	0.21786385	2.7353480	21	7 13.3	20.8
381431 2008 PW_{9}	16.3	X	167.90016	140.85667	26.02338	28.59958	0.0400672	0.22790404	2.6544101	21	9 26.4	20.4
381432 2008 PJ_{14}	17.4	X	42.70263	134.73926	154.90301	4.70844	0.2001527	0.23265869	2.6181219	21	10 12.9	20.6
381433 2008 PJ_{18}	16.8	X	326.62722	226.79381	187.68353	8.38577	0.1516332	0.23970892	2.5665314	21	11 16.6	19.3
381434 2008 PM_{19}	17.4	X	311.22340	240.83910	148.53070	1.87428	0.0666376	0.22886541	2.6469715	21	9 16.3	20.5
381435 2008 QG_{4}	16.3	X	355.53456	118.93147	242.57866	10.74434	0.0900776	0.23528617	2.5985941	21	10 16.7	19.4
381436 2008 QA_{5}	16.4	X	270.62094	23.65097	353.59561	8.36685	0.1612348	0.21461445	2.7628888	21	6 17.1	20.4
381437 2008 QN_{9}	17.0	X	332.94882	16.77936	321.30428	1.24882	0.2094422	0.22409355	2.6844160	21	7 27.6	19.2
381438 2008 QR_{9}	16.6	X	325.66334	166.04492	159.25790	5.27637	0.1138305	0.21996849	2.7178724	21	7 4.2	19.9
381439 2008 QS_{9}	16.7	X	322.92616	350.28625	346.10322	4.33373	0.1970432	0.22162670	2.7042987	21	7 5.3	19.4
381440 2008 QP_{10}	16.3	X	326.21657	313.79597	344.60890	8.77640	0.1333322	0.21509694	2.7587556	21	5 22.8	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381441 2008 QP_{16}	16.1	X	321.84667	25.37470	338.29618	14.56949	0.1114575	0.22590893	2.6700155	21	8 24.7	18.9
381442 2008 QH_{30}	16.2	X	309.30016	90.24111	252.10640	6.92659	0.1400864	0.22016452	2.7162589	21	6 27.3	19.4
381443 2008 QJ_{31}	16.5	X	287.56273	44.78714	323.63627	14.49728	0.2489436	0.21721897	2.7407592	21	6 14.0	20.6
381444 2008 QV_{32}	16.5	X	345.33118	126.24797	193.95295	13.91838	0.2090682	0.22288739	2.6940917	21	7 24.7	19.3
381445 2008 QN_{33}	16.2	X	253.18827	103.18678	1.98065	15.16236	0.0663120	0.22949117	2.6421577	21	10 3.4	19.6
381446 2008 QL_{44}	16.9	X	306.71555	50.39386	341.57665	11.09084	0.1983401	0.22658493	2.6647023	21	8 26.7	19.6
381447 2008 RH_{13}	16.8	X	211.69419	208.60971	258.18197	4.43301	0.0280095	0.22147247	2.7055541	21	8 17.5	20.6
381448 2008 RK_{16}	17.0	X	281.18893	95.92912	289.97788	3.73766	0.1790655	0.21801192	2.7341094	21	7 9.9	20.6
381449 2008 RY_{18}	17.1	X	253.94903	174.35227	222.82608	3.38069	0.0819686	0.21540647	2.7561122	21	7 3.9	21.1
381450 2008 RV_{19}	16.9	X	232.89252	136.16605	272.01773	2.55049	0.0900256	0.21272135	2.7792567	21	6 22.6	21.0
381451 2008 RA_{23}	16.7	X	310.14976	161.11379	171.57226	6.59113	0.0643642	0.21474221	2.7617929	21	6 26.5	20.3
381452 2008 RE_{25}	16.6	X	268.05940	185.74500	194.68688	8.58249	0.2122124	0.21517841	2.7580592	21	6 12.1	20.8
381453 2008 RO_{26}	16.5	X	309.09262	185.23674	182.84725	8.65664	0.2467878	0.22317516	2.6917754	21	7 15.2	19.5
381454 2008 RN_{35}	17.2	X	225.16857	201.27752	256.25786	1.19917	0.0328291	0.22177137	2.7031225	21	8 23.4	21.0
381455 2008 RA_{42}	17.4	X	346.29044	309.05647	10.20447	3.20545	0.1056101	0.22028079	2.7153030	21	8 3.6	20.5
381456 2008 RB_{44}	17.0	X	246.55071	271.91172	168.24884	2.28658	0.0673752	0.22156043	2.7048379	21	8 23.2	20.8
381457 2008 RM_{53}	16.5	X	257.18395	98.40679	306.66711	6.75848	0.2183090	0.21756228	2.7378752	21	7 1.5	20.7
381458 Moiseenko	16.5	X	341.44503	169.53950	172.72677	14.28797	0.0375819	0.22737831	2.6585001	21	8 27.6	19.9
381459 2008 RE_{85}	17.2	X	354.12882	71.65054	276.41043	3.48365	0.1747587	0.22697229	2.6616696	21	9 29.6	19.8
381460 2008 RJ_{86}	16.9	X	233.92053	196.43740	247.21428	7.48440	0.1744666	0.21610408	2.7501776	21	7 28.8	21.2
381461 2008 RO_{94}	17.7	X	89.40653	339.02232	294.09929	0.93307	0.0749042	0.23726991	2.5840898	21	10 31.0	21.3
381462 2008 RC_{104}	17.1	X	301.99481	69.60555	306.68811	4.88864	0.0139185	0.22072519	2.7116572	21	8 19.5	20.7
381463 2008 RH_{114}	17.2	X	238.90321	241.84358	180.81108	4.65448	0.0577902	0.21438915	2.7648241	21	7 21.5	21.2
381464 2008 RC_{115}	16.8	X	257.66061	147.28397	203.92716	14.69151	0.1560994	0.20355517	2.8620769	21	5 2.5	21.2
381465 2008 RS_{115}	16.8	X	342.01058	339.06192	2.47234	6.65507	0.1420213	0.22515420	2.6759789	21	8 28.7	19.5
381466 2008 RA_{118}	17.2	X	275.54298	33.07746	343.00570	3.88002	0.0863996	0.21349085	2.7725744	21	7 3.9	21.0
381467 2008 RX_{119}	17.2	X	316.95470	308.76397	51.40756	4.34297	0.0630183	0.22083676	2.7107438	21	8 16.8	20.5
381468 2008 RQ_{120}	17.0	X	258.07139	72.16786	6.83099	1.62614	0.1840063	0.22167156	2.7039339	21	8 20.3	20.8
381469 2008 RE_{129}	16.8	X	292.03032	295.73143	40.93127	2.53298	0.0721499	0.20321418	2.8652777	21	6 5.0	20.5
381470 2008 RS_{130}	15.8	X	256.00653	199.32037	145.45353	15.95359	0.1440522	0.20396280	2.8582623	21	4 28.4	20.4
381471 2008 RN_{137}	16.8	X	322.76779	77.36991	280.61676	5.78682	0.1896483	0.22225979	2.6991610	21	8 5.6	19.4
381472 2008 RQ_{137}	16.9	X	280.07593	75.92054	298.67457	5.31136	0.0369908	0.21588133	2.7520691	21	7 15.4	20.3
381473 2008 RV_{141}	17.0	X	306.21117	3.69562	22.49304	3.03249	0.0940640	0.22512353	2.6762219	21	9 1.2	20.2
381474 2008 SQ_{5}	16.6	X	289.48786	235.99059	125.21430	5.81484	0.1776786	0.21534187	2.7566634	21	6 18.2	20.2
381475 2008 SM_{6}	16.6	X	270.57972	234.38350	133.81984	6.37760	0.1855473	0.21296220	2.7771609	21	6 3.4	20.8
381476 2008 SA_{20}	17.7	X	295.17224	53.18014	331.39607	7.73676	0.2829688	0.22192295	2.7018915	21	7 12.3	21.1
381477 2008 SK_{32}	15.7	X	214.46826	105.01564	343.75803	12.36071	0.1288263	0.21380582	2.7698507	21	7 25.0	20.1
381478 2008 SR_{32}	16.5	X	7.15557	30.52807	262.43629	5.30369	0.0173545	0.21655562	2.7463533	21	7 27.5	20.1
381479 2008 SW_{39}	16.8	X	302.12873	184.96363	177.72244	5.45168	0.0577562	0.21641268	2.7475625	21	7 25.9	20.3
381480 2008 SV_{42}	16.8	X	355.49901	313.97485	8.46009	5.27697	0.0244950	0.21865031	2.7287850	21	8 23.7	20.4
381481 2008 SZ_{59}	15.9	X	293.32044	17.08030	9.39524	12.54771	0.1694828	0.22085840	2.7105667	21	8 4.3	19.4
381482 2008 SL_{64}	16.9	X	188.49665	117.53565	30.35743	5.27922	0.1168743	0.22057000	2.7129290	21	9 11.2	21.1
381483 2008 SW_{67}	16.0	X	346.80498	296.27061	35.60746	13.88004	0.1853539	0.22196644	2.7015386	21	8 29.9	18.8
381484 2008 SA_{69}	17.4	X	15.62724	4.77498	340.58375	1.91808	0.0641331	0.23432869	2.6056680	21	10 25.5	20.5
381485 2008 SM_{70}	16.7	X	258.60215	268.17127	160.94831	6.13541	0.1874903	0.22114841	2.7081964	21	8 6.0	20.5
381486 2008 SE_{71}	16.4	X	327.41644	162.26489	188.83755	13.52946	0.1299455	0.22235301	2.6984065	21	8 9.3	19.7
381487 2008 SR_{79}	17.5	X	325.12500	120.42953	276.22079	1.70400	0.1131621	0.22935754	2.6431838	21	10 14.9	20.3
381488 2008 SO_{82}	16.3	X	252.53291	313.72359	99.69154	14.32042	0.1668816	0.21724947	2.7405027	21	7 13.1	20.4
381489 2008 SR_{84}	16.7	X	251.42827	289.26093	177.65613	9.35984	0.0887673	0.22758334	2.6569032	21	10 2.4	20.3
381490 2008 SN_{86}	16.7	X	212.05753	143.34698	223.35730	11.16794	0.0662789	0.19912721	2.9043502	21	4 7.9	21.0
381491 2008 SA_{88}	17.1	X	300.45317	49.55120	311.09453	3.59623	0.1892831	0.22022958	2.7157239	21	7 1.6	20.4
381492 2008 SV_{90}	16.9	X	345.84143	318.67213	347.36310	3.82993	0.0577325	0.21472075	2.7619769	21	7 15.9	20.2
381493 2008 SS_{99}	16.8	X	240.02243	332.85142	101.67083	4.55615	0.0912688	0.21440064	2.7647253	21	8 5.2	20.6
381494 2008 SK_{102}	16.2	X	271.73033	320.75656	114.61606	5.07164	0.1241053	0.22107304	2.7088120	21	9 12.9	19.8
381495 2008 SG_{103}	16.5	X	43.59159	229.62620	52.61174	3.85108	0.0577912	0.21832146	2.7315245	21	9 10.8	20.0
381496 2008 SP_{109}	17.2	X	239.65202	91.15015	337.71372	7.58022	0.1783507	0.21754352	2.7380326	21	7 19.4	21.4
381497 2008 SK_{116}	17.0	X	223.07469	247.38324	125.87561	3.33198	0.1037985	0.20087693	2.8874602	21	4 29.1	21.4
381498 2008 SU_{116}	16.9	X	275.08359	162.55252	212.14757	3.85624	0.0889624	0.21236542	2.7823612	21	6 30.1	20.7
381499 2008 SJ_{118}	16.8	X	207.61014	93.20635	6.29011	1.44201	0.0353214	0.21393841	2.7687062	21	8 4.2	20.5
381500 2008 SF_{123}	16.1	X	299.69962	148.82146	204.60745	13.41284	0.1621025	0.21416804	2.7667268	21	6 23.6	19.9
381501 2008 SW_{123}	16.9	X	266.65667	183.04423	205.48325	4.79515	0.0734806	0.21205211	2.7851012	21	7 9.4	20.8
381502 2008 SG_{124}	17.2	X	227.14553	177.07455	238.98970	3.33875	0.0601240	0.20934939	2.8090206	21	6 28.9	21.2
381503 2008 SC_{125}	16.3	X	221.83732	81.88721	17.73086	12.11749	0.1201986	0.21466581	2.7624481	21	8 18.5	20.6
381504 2008 SY_{129}	16.8	X	236.87766	214.53375	250.41549	3.66766	0.0842422	0.21899437	2.7259261	21	9 8.6	20.7
381505 2008 SY_{132}	17.0	X	241.17290	129.29516	218.01245	5.09009	0.0775764	0.19829351	2.9124851	21	4 16.5	21.1
381506 2008 SO_{143}	16.7	X	201.10378	89.69682	43.95970	12.58922	0.2084512	0.21305478	2.7763563	21	9 4.9	21.5
381507 2008 SB_{144}	16.1	X	253.05023	28.03872	53.57416	15.29822	0.2236118	0.21330044	2.7742242	21	8 18.9	20.6
381508 2008 SA_{152}	15.5	X	322.23155	309.99088	55.92922	11.77343	0.1621002	0.22156184	2.7048265	21	8 28.7	18.6
381509 2008 SL_{155}	16.4	X	281.68560	265.11278	157.44809	6.84930	0.1520718	0.22228495	2.6989573	21	9 3.5	19.5
381510 2008 SW_{162}	16.6	X	281.28394	328.58525	20.98616	8.31929	0.2298545	0.21256055	2.7806582	21	5 13.6	20.8
381511 2008 SX_{166}	16.4	X	328.79727	295.32142	29.23298	13.38971	0.1877439	0.21696156	2.7429266	21	6 30.4	19.6
381512 2008 SK_{172}	17.4	X	311.10877	92.33844	228.13394	8.75682	0.3107180	0.21718491	2.7410458	21	5 2.0	20.8
381513 2008 SB_{173}	16.9	X	238.99851	224.98691	196.58238	4.99109	0.0452418	0.21248136	2.7813490	21	7 21.5	20.9
381514 2008 SL_{173}	16.4	X	278.20680	94.53256	287.40941	7.86514	0.1842294	0.21699566	2.7426393	21	6 30.0	20.1
381515 2008 SH_{178}	17.1	X	202.06510	270.99911	179.85894	3.73873	0.1105714	0.20869851	2.8148579	21	7 11.8	21.5
381516 2008 SR_{180}	16.5	X	296.73190	170.91095	198.66577	12.15579	0.1666837	0.21640619	2.7476174	21	7 9.6	20.2
381517 2008 SK_{191}	16.3	X	251.90641	57.84827	344.65432	8.81439	0.1841409	0.21365224	2.7711780	21	6 26.8	20.6
381518 2008 SU_{192}	16.9	X	219.28758	19.24629	61.92312	6.61714	0.1138306	0.21174061	2.7878320	21	7 19.1	21.1
381519 2008 SL_{196}	16.7	X	324.95828	279.59126	45.41217	4.91297	0.0725050	0.21123735	2.7922582	21	7 8.2	20.1
381520 2008 SV_{196}	16.6	X	258.49775	356.50311	43.67359	4.93153	0.0718698	0.21164848	2.7886410	21	7 16.5	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381521 2008 SO_{217}	16.5	X	23.30340	225.65971	58.51223	15.14338	0.0421395	0.21361691	2.7714835	21	8 17.6	20.4
381522 2008 SV_{218}	16.1	X	261.48526	109.17220	352.69610	11.21386	0.1546846	0.22710503	2.6606324	21	9 26.5	19.6
381523 2008 SB_{219}	16.8	X	295.99991	67.89430	302.94221	4.01651	0.1327739	0.21860652	2.7291494	21	7 18.2	20.1
381524 2008 SY_{222}	16.8	X	257.66030	58.12730	344.47814	8.09056	0.1559141	0.21539860	2.7561793	21	7 7.5	20.9
381525 2008 SE_{227}	16.9	X	308.63714	85.76012	293.71921	5.02372	0.0550029	0.22301040	2.6931010	21	8 27.8	20.3
381526 2008 SV_{229}	16.3	X	331.51263	321.34625	338.25840	7.32965	0.2044597	0.21553053	2.7550545	21	5 24.4	19.4
381527 2008 SC_{231}	17.0	X	63.05926	22.06294	239.51527	3.96741	0.0563910	0.22375096	2.6871553	21	9 6.3	20.6
381528 2008 SV_{236}	17.1	X	254.12432	88.52962	346.27215	2.63685	0.1027352	0.21848643	2.7301493	21	8 21.2	20.9
381529 2008 SP_{250}	16.2	X	240.43039	26.07441	53.75499	9.37397	0.1399823	0.21402036	2.7679994	21	8 9.5	20.4
381530 2008 SU_{253}	16.6	X	173.20080	119.42615	36.76460	9.97090	0.1102429	0.21905700	2.7254065	21	9 8.9	20.9
381531 2008 SL_{262}	17.1	X	204.61523	287.14947	167.92396	4.88937	0.0302112	0.21404333	2.7678014	21	7 24.6	21.1
381532 2008 SL_{275}	16.9	X	271.47303	88.78053	278.66416	3.28825	0.0910565	0.21211577	2.7845440	21	6 15.7	20.5
381533 2008 SS_{286}	16.0	X	292.10308	84.70937	256.26766	10.36303	0.2168067	0.21277994	2.7787465	21	5 18.6	19.8
381534 2008 SY_{287}	16.3	X	284.15501	291.71859	81.73239	5.10517	0.0888981	0.21419802	2.7664686	21	7 11.6	20.0
381535 2008 SL_{291}	16.6	X	276.41234	130.29975	285.23172	9.91052	0.2129256	0.22104596	2.7090332	21	8 4.9	20.2
381536 2008 SG_{299}	15.9	X	262.74099	5.80357	48.20401	12.36244	0.0854806	0.21802483	2.7340015	21	8 12.1	19.9
381537 2008 SO_{301}	16.5	X	223.32610	93.89920	347.04121	8.43511	0.1446783	0.21264218	2.7799465	21	7 21.6	20.9
381538 2008 SS_{301}	16.3	X	249.66234	263.25165	163.68145	11.33657	0.1855238	0.21566401	2.7539175	21	7 23.6	20.6
381539 2008 SG_{302}	17.0	X	311.38801	323.48880	103.72931	5.21318	0.0729399	0.22982957	2.6395635	21	11 8.6	20.2
381540 2008 SC_{303}	16.2	X	50.02569	354.40574	288.06386	9.26235	0.1027679	0.22595504	2.6696522	21	9 20.3	19.9
381541 2008 SB_{304}	16.8	X	294.56672	331.28401	61.86271	8.07998	0.1416580	0.21925714	2.7237477	21	8 18.6	20.2
381542 2008 SO_{307}	16.2	X	242.25073	28.96171	28.10224	9.10366	0.0246603	0.21196035	2.7859050	21	7 26.7	20.2
381543 2008 SJ_{308}	16.6	X	323.39982	300.15805	81.82797	4.87743	0.1215230	0.22296419	2.6934731	21	9 23.3	19.6
381544 2008 TN_{1}	16.5	X	265.87502	108.83857	284.38086	12.29728	0.2028088	0.21746791	2.7386672	21	6 27.5	20.4
381545 2008 TW_{4}	16.2	X	229.78809	72.12362	5.29221	13.04463	0.1666355	0.21404041	2.7678265	21	7 23.9	20.8
381546 2008 TZ_{19}	16.1	X	130.46382	335.70493	216.67845	16.34354	0.1389261	0.21407771	2.7675050	21	9 2.2	20.8
381547 2008 TC_{28}	17.0	X	320.94292	129.16387	242.04504	2.18516	0.1537825	0.22559580	2.6724856	21	8 26.9	19.7
381548 2008 TC_{40}	16.3	X	249.24422	219.80222	273.98084	8.93225	0.0769802	0.23119228	2.6291810	21	11 2.6	19.9
381549 2008 TA_{51}	16.8	X	167.31486	124.21761	31.00686	3.45385	0.0343742	0.21892171	2.7265293	21	8 29.3	20.6
381550 2008 TA_{58}	17.2	X	181.18957	297.25130	178.72996	3.44144	0.0451387	0.21256423	2.7806261	21	7 22.9	21.3
381551 2008 TX_{59}	16.7	X	30.51939	196.18392	193.30413	9.55476	0.1039501	0.23975426	2.5662078	21	—	—
381552 2008 TJ_{68}	16.5	X	222.02252	36.71622	47.50208	9.34406	0.1136700	0.21144479	2.7904317	21	7 27.5	20.8
381553 2008 TO_{76}	17.0	X	301.68498	337.99838	14.56368	7.82940	0.0824918	0.21574049	2.7532666	21	7 10.5	20.6
381554 2008 TU_{85}	16.2	X	267.76396	237.58682	207.43616	21.30483	0.0790478	0.22429991	2.6827692	21	9 22.3	20.1
381555 2008 TB_{95}	17.2	X	324.08989	190.68185	152.28439	2.55246	0.1024474	0.22326440	2.6910580	21	7 28.5	20.2
381556 2008 TE_{98}	16.9	X	210.53837	129.20801	305.29896	5.21347	0.0425183	0.21185223	2.7868527	21	7 5.1	20.7
381557 2008 TU_{98}	17.1	X	24.81674	266.69292	29.09093	2.92214	0.0890242	0.22157878	2.7046886	21	9 4.8	20.2
381558 2008 TE_{110}	15.8	X	294.26843	291.06769	46.19081	13.21784	0.1949453	0.21202276	2.7853583	21	5 19.2	19.5
381559 2008 TG_{114}	16.8	X	316.62924	272.63109	99.70706	3.10270	0.1091310	0.21964699	2.7205239	21	8 27.7	19.9
381560 2008 TT_{116}	16.7	X	328.81206	9.49966	336.41363	10.72265	0.1568429	0.21949684	2.7217644	21	8 7.5	19.5
381561 2008 TV_{147}	16.9	X	317.16361	194.41406	172.09237	4.82196	0.0728563	0.22119424	2.7078224	21	8 22.0	20.3
381562 2008 TG_{164}	17.3	X	211.22071	53.24634	355.90318	1.59731	0.0619987	0.20268262	2.8702851	21	6 1.1	21.5
381563 2008 TO_{188}	17.2	X	276.19646	131.78048	238.63935	4.55334	0.0886932	0.20954245	2.8072949	21	6 26.1	20.9
381564 2008 UW_{5}	18.2	X	329.94330	204.42932	297.91953	9.42129	0.3897275	0.39754582	1.8317994	21	—	—
381565 2008 UX_{8}	17.0	X	300.38295	9.47954	357.25569	2.30765	0.0927319	0.21859482	2.7292467	21	7 25.9	20.3
381566 2008 UC_{65}	16.5	X	281.80858	67.41516	326.80489	4.25314	0.1685018	0.21398569	2.7682983	21	7 24.3	20.2
381567 2008 UY_{78}	16.9	X	25.12121	39.26617	261.79575	3.35748	0.2090101	0.22643874	2.6658491	21	9 27.1	19.7
381568 2008 UD_{79}	16.6	X	169.38134	299.51832	207.97472	11.99376	0.1018079	0.21732737	2.7398478	21	8 16.0	21.0
381569 2008 UG_{80}	16.2	X	280.53092	116.88750	259.15612	8.42148	0.0843643	0.21086548	2.7955401	21	7 9.4	20.0
381570 2008 UP_{92}	15.9	X	246.80878	300.01032	49.64368	17.81996	0.1628410	0.20285347	2.8686733	21	4 22.0	20.5
381571 2008 UB_{100}	17.1	X	276.50553	173.93301	222.90650	2.33311	0.2126348	0.21466847	2.7624253	21	7 12.8	21.0
381572 2008 UU_{110}	17.1	X	341.53429	1.47997	350.80836	4.98939	0.0829791	0.21993214	2.7181719	21	9 11.1	20.3
381573 2008 UY_{123}	16.8	X	337.84771	221.46044	101.33454	7.18148	0.0351459	0.21451205	2.7637680	21	7 28.0	20.3
381574 2008 UZ_{126}	16.8	X	192.55031	305.22305	58.01677	1.98871	0.1897247	0.18884738	3.0088145	21	3 19.3	21.8
381575 2008 UN_{149}	17.1	X	252.47964	209.89407	193.79666	5.69722	0.0741767	0.21175020	2.7877479	21	7 11.1	21.1
381576 2008 UK_{154}	17.2	X	60.19563	213.73352	48.89921	2.75683	0.0347252	0.21790709	2.7349862	21	9 3.5	20.7
381577 2008 UH_{183}	16.7	X	241.28797	38.63422	49.90926	9.11904	0.1767863	0.21511326	2.7586161	21	8 18.1	21.0
381578 2008 UQ_{189}	16.3	X	271.17311	24.28629	20.86189	6.50036	0.0691591	0.21927933	2.7235640	21	8 11.4	20.0
381579 2008 UG_{199}	15.7	X	90.51732	245.14910	255.68381	21.82943	0.4461641	0.17982205	3.1086662	21	6 25.9	20.9
381580 2008 UU_{206}	16.4	X	339.22075	262.45338	88.37292	7.39276	0.0567506	0.21755294	2.7379536	21	9 9.4	19.9
381581 2008 UD_{212}	16.8	X	270.28242	275.83883	123.04929	3.91328	0.1888359	0.21268014	2.7796157	21	7 11.6	20.7
381582 2008 UO_{231}	16.7	X	313.97890	162.54194	246.53250	4.71906	0.2104087	0.22727248	2.6593254	21	10 1.0	19.3
381583 2008 UW_{239}	16.3	X	164.49014	252.01131	302.56890	7.15769	0.0832167	0.22068337	2.7119997	21	10 9.9	20.6
381584 2008 UU_{254}	16.7	X	40.66663	252.96832	47.27591	6.71539	0.0441221	0.21961453	2.7207920	21	9 29.9	20.3
381585 2008 UV_{255}	16.6	X	235.16305	275.89503	51.50435	12.66845	0.0763612	0.19122327	2.9838402	21	3 23.9	21.2
381586 2008 UZ_{300}	17.0	X	237.10603	74.61191	14.82624	6.97471	0.0416982	0.21354015	2.7721476	21	8 29.5	20.8
381587 2008 UP_{321}	17.1	X	335.95299	352.92583	327.12279	4.02695	0.1416529	0.21584224	2.7524013	21	7 13.4	20.1
381588 2008 UY_{326}	16.1	X	179.51911	290.13634	110.96757	24.56368	0.3180620	0.18695114	3.0291257	21	5 4.3	22.1
381589 2008 UC_{333}	17.6	X	60.51087	108.12029	226.83892	20.10852	0.1095371	0.38756134	1.8631268	21	—	—
381590 2008 UO_{335}	16.8	X	325.15132	238.45121	52.84204	2.82434	0.0290107	0.20355118	2.8621143	21	5 27.5	20.4
381591 2008 UW_{343}	16.3	X	254.21151	119.92539	263.59567	7.62453	0.1172293	0.20618928	2.8376489	21	6 12.2	20.5
381592 2008 UP_{347}	16.5	X	15.49373	22.35722	291.81035	6.47565	0.1697922	0.21809330	2.7334292	21	9 19.0	19.6
381593 2008 UN_{355}	16.3	X	322.72017	266.05433	110.87249	9.22342	0.1831779	0.21930107	2.7233840	21	9 9.6	19.1
381594 2008 UO_{356}	16.8	X	186.88171	159.71375	235.76421	10.73715	0.0627972	0.19288729	2.9666545	21	4 16.6	21.2
381595 2008 US_{370}	15.5	X	99.82751	149.70453	299.33240	8.01075	0.0863912	0.17527614	3.1621868	21	3 16.9	20.1
381596 2008 VE_{5}	16.8	X	231.24035	344.80766	102.60301	8.82834	0.2993636	0.21310124	2.7759527	21	7 23.3	21.6
381597 2008 VH_{9}	16.4	X	303.38025	298.56761	74.94780	10.34118	0.1887135	0.21601360	2.7509455	21	7 26.4	19.7
381598 2008 VZ_{29}	17.1	X	199.97916	126.30079	12.43312	5.00997	0.0562593	0.21640293	2.7476450	21	9 14.4	20.9
381599 2008 VN_{51}	15.6	X	81.05963	42.61900	121.52322	15.90829	0.0995069	0.18087418	3.0965992	21	6 4.3	20.1
381600 2008 VT_{65}	15.5	X	55.08987	242.39006	281.61385	18.99628	0.1152850	0.17937881	3.1137850	21	4 19.7	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381601 2008 VA_{66}	16.5	X	338.51764	216.11887	76.56788	6.77566	0.0317131	0.20399625	2.8579497	21	6 17.1	20.1
381602 2008 VH_{66}	15.1	X	89.26160	199.32354	304.66236	27.21466	0.1463724	0.17854707	3.1234477	21	5 20.0	20.0
381603 2008 VT_{68}	15.8	X	170.74461	76.79243	289.90551	4.26434	0.0463850	0.17078913	3.2173321	21	2 25.3	20.5
381604 2008 VF_{77}	16.0	X	151.69042	346.67580	85.81256	11.23072	0.0758216	0.19189901	2.9768313	21	4 30.7	20.5
381605 2008 WT_{5}	17.2	X	277.69479	209.05109	134.94267	2.92258	0.0997942	0.20550305	2.8439625	21	5 23.4	21.2
381606 2008 WF_{12}	16.0	X	159.14762	52.83949	68.77819	7.27851	0.0620524	0.20291089	2.8681321	21	7 5.5	20.2
381607 2008 WX_{18}	16.5	X	295.64724	107.78561	213.66303	12.37103	0.1384161	0.20600021	2.8393849	21	5 11.4	20.3
381608 2008 WL_{48}	16.2	X	198.94482	349.97212	73.32860	12.23968	0.0820742	0.19787615	2.9165791	21	6 5.1	20.4
381609 2008 WP_{69}	16.6	X	129.68576	182.51864	305.38459	0.97269	0.0553372	0.19512109	2.9439691	21	6 8.2	20.7
381610 2008 WF_{71}	16.8	X	197.18407	139.33932	242.30210	7.62197	0.1418896	0.19539707	2.9411963	21	4 10.1	21.6
381611 2008 WM_{74}	16.4	X	311.49423	351.77201	351.44427	8.73183	0.1788458	0.22022784	2.7157382	21	6 27.1	19.7
381612 2008 WF_{77}	16.9	X	312.26276	111.80509	182.01572	3.06796	0.0610966	0.19673448	2.9278516	21	5 10.2	20.7
381613 2008 WJ_{80}	16.8	X	141.67118	311.51773	153.12212	3.47036	0.0648984	0.19408827	2.9544038	21	5 25.5	21.2
381614 2008 WY_{80}	16.4	X	201.30892	290.52878	85.62522	11.12789	0.1097181	0.19080460	2.9882034	21	4 15.4	21.2
381615 2008 WZ_{82}	16.9	X	332.85143	287.09436	129.74235	4.12222	0.1961775	0.22669979	2.6638022	21	11 29.3	19.3
381616 2008 WH_{86}	16.9	X	154.55769	44.95782	52.76743	2.78211	0.0326561	0.20074814	2.8886951	21	5 27.9	20.9
381617 2008 WM_{103}	16.2	X	163.61314	207.97740	264.30489	9.78159	0.0925239	0.20062570	2.8898702	21	6 29.1	20.6
381618 2008 WJ_{120}	16.3	X	172.60023	299.83143	84.10076	10.42683	0.0948245	0.18149518	3.0895316	21	3 28.2	21.2
381619 2008 WE_{130}	16.7	X	82.07110	116.69885	77.68494	3.05716	0.1157177	0.19980106	2.8978163	21	7 14.3	20.7
381620 2008 WB_{136}	15.8	X	129.34617	357.68568	95.72846	12.02166	0.1256425	0.18652659	3.0337203	21	5 7.7	20.5
381621 2008 WJ_{140}	16.6	X	352.68093	116.19682	273.27000	11.37881	0.1805214	0.22837566	2.6507545	21	11 28.9	19.3
381622 2008 XJ_{2}	16.5	X	175.93295	264.88638	259.49888	6.54266	0.3767369	0.20483744	2.8501201	21	9 8.9	22.1
381623 2008 XN_{24}	16.0	X	137.46105	39.67404	49.17848	16.68948	0.1209006	0.19037834	2.9926621	21	5 6.3	20.4
381624 2008 XV_{49}	15.7	X	101.79505	334.10359	128.54725	17.55654	0.1492125	0.17376284	3.1805198	21	4 25.2	20.6
381625 2008 XR_{50}	15.3	X	134.80996	312.94442	127.34604	19.75623	0.1282470	0.17750360	3.1356767	21	5 1.9	20.5
381626 2008 YB	15.8	X	98.68783	351.49924	77.95479	14.71794	0.1704413	0.17844730	3.1246118	21	3 14.9	20.4
381627 2008 YG_{6}	16.2	X	186.83627	85.67892	261.59371	7.33964	0.0670054	0.18128175	3.0919561	21	2 17.4	20.9
381628 2008 YS_{16}	16.3	X	217.91215	276.32937	113.54548	11.17340	0.1480629	0.19017071	2.9948400	21	5 15.1	21.3
381629 2008 YS_{21}	15.7	X	106.65930	342.32596	124.32516	12.84348	0.1039019	0.17811097	3.1285440	21	4 27.6	20.4
381630 2008 YJ_{24}	15.5	X	172.95088	350.07708	75.06405	11.95014	0.0793642	0.18841854	3.0133781	21	5 13.2	20.1
381631 2008 YR_{25}	16.1	X	136.70321	347.64616	90.36776	9.57319	0.1024551	0.18598366	3.0396216	21	4 24.1	20.8
381632 2008 YQ_{29}	17.4	X	17.83397	277.06392	84.42359	23.89007	0.1165336	0.37783006	1.8949818	21	12 31.4	19.2
381633 2008 YA_{39}	17.1	X	142.98202	31.39115	45.62111	1.22603	0.1728288	0.18448200	3.0560941	21	5 1.5	21.9
381634 2008 YL_{45}	16.9	X	117.17591	37.64171	75.55265	3.28473	0.1092426	0.18390569	3.0624754	21	5 13.3	21.4
381635 2008 YM_{47}	16.5	X	137.42180	50.86335	56.46824	1.82060	0.1536410	0.18752918	3.0228979	21	5 31.5	21.2
381636 2008 YQ_{63}	16.3	X	29.35345	34.08442	148.11098	6.21283	0.0987350	0.17594707	3.1541428	21	4 11.7	20.2
381637 2008 YC_{76}	15.9	X	123.10895	147.67850	321.06818	9.17723	0.1254434	0.18343923	3.0676648	21	5 12.8	20.7
381638 2008 YP_{85}	16.3	X	263.26734	257.38711	84.38972	8.90132	0.2227326	0.19974461	2.8983623	21	4 22.5	21.0
381639 2008 YS_{96}	17.0	X	138.70630	347.78961	84.26070	2.08546	0.1618964	0.18058425	3.0999128	21	4 21.6	21.8
381640 2008 YK_{104}	16.6	X	138.66790	124.34142	304.31640	11.73270	0.0850287	0.17853735	3.1235610	21	4 3.2	21.5
381641 2008 YJ_{113}	16.0	X	145.06698	334.82039	102.34155	9.92321	0.0255886	0.18343512	3.0677107	21	4 25.3	20.5
381642 2008 YQ_{123}	16.0	X	165.46854	251.27611	123.70816	11.23450	0.0962994	0.17533851	3.1614368	21	3 8.8	20.9
381643 2008 YR_{134}	16.4	X	255.32138	282.39612	84.24936	11.69568	0.0375842	0.19871165	2.9083980	21	6 2.9	20.5
381644 2008 YD_{139}	16.4	X	86.86010	3.63496	138.24677	1.62236	0.1289991	0.18178228	3.0862778	21	5 15.7	20.7
381645 2008 YA_{140}	15.8	X	156.61955	300.08753	123.06482	12.01415	0.0819307	0.18298176	3.0727756	21	4 26.8	20.6
381646 2008 YR_{143}	15.8	X	71.14457	16.64295	124.61151	13.98690	0.1201301	0.17699395	3.1416932	21	4 28.3	20.2
381647 2008 YX_{152}	16.1	X	185.01455	227.13199	133.12479	14.81615	0.1462451	0.17482482	3.1676267	21	3 12.4	21.3
381648 2008 YL_{162}	15.8	X	185.46693	83.38905	287.69254	10.39987	0.0691274	0.18003889	3.1061696	21	3 14.2	20.7
381649 2008 YR_{168}	15.7	X	151.95443	81.69038	280.80996	11.24885	0.0951714	0.17096215	3.2151611	21	2 3.1	20.7
381650 2008 YH_{169}	15.7	X	11.25525	74.77828	99.48769	11.37165	0.0604776	0.17196659	3.2026293	21	3 8.6	20.1
381651 2008 YP_{170}	15.7	X	244.37437	187.15244	132.90929	16.94745	0.1419412	0.17646775	3.1479355	21	3 19.6	20.8
381652 2009 AA_{17}	15.5	X	166.37738	314.01000	116.47411	9.08381	0.0787745	0.18558712	3.0439498	21	5 13.7	20.2
381653 2009 AL_{19}	16.0	X	84.66711	347.25047	117.76338	10.41552	0.0609042	0.17547380	3.1598117	21	3 22.1	20.5
381654 2009 AE_{35}	16.2	X	35.94280	95.57086	80.22271	6.75742	0.0753326	0.17940809	3.1134462	21	4 12.7	20.2
381655 2009 AF_{36}	15.8	X	21.00166	270.64214	313.08113	14.05721	0.1333867	0.17853996	3.1235306	21	5 18.5	19.8
381656 2009 AG_{49}	16.2	X	37.18631	77.26785	97.34047	11.10310	0.1702618	0.17522448	3.1628082	21	4 23.4	20.0
381657 2009 AA_{50}	15.8	X	300.06254	22.05150	219.00453	5.81596	0.1021960	0.16978237	3.2300382	21	2 12.1	20.5
381658 2009 AF_{50}	15.8	X	103.31790	310.15472	136.67547	13.69458	0.1160581	0.17407308	3.1767398	21	3 31.2	20.5
381659 2009 BS_{2}	15.4	X	38.43859	85.38246	101.62565	18.52980	0.1803415	0.17695358	3.1421710	21	5 15.1	19.3
381660 2009 BV_{5}	16.0	X	123.48598	344.22905	113.74251	11.28989	0.1453932	0.18028170	3.1033800	21	5 9.5	20.9
381661 2009 BG_{6}	16.2	X	139.94808	317.67779	129.30025	13.39759	0.1628541	0.18447513	3.0561699	21	5 14.5	21.3
381662 2009 BJ_{9}	15.4	X	100.72483	330.54286	133.13566	17.56245	0.0773932	0.17695564	3.1421466	21	4 14.3	20.1
381663 2009 BC_{12}	15.7	X	165.45288	117.82615	302.78419	19.22812	0.3323714	0.18537926	3.0462249	21	5 1.2	21.7
381664 2009 BR_{17}	16.3	X	208.45661	64.13436	70.26584	10.47772	0.1018049	0.21575421	2.7531499	21	9 19.5	20.6
381665 2009 BV_{19}	17.1	X	111.02103	335.91608	80.06676	2.12131	0.1753628	0.17245403	3.1965916	21	3 7.6	21.6
381666 2009 BR_{21}	15.6	X	300.69685	284.92485	108.32546	14.10388	0.0711698	0.21389043	2.7691202	21	9 8.5	19.3
381667 2009 BT_{28}	15.4	X	347.31664	278.97737	308.41603	20.76475	0.0471688	0.17710929	3.1403291	21	3 24.4	20.1
381668 2009 BC_{33}	15.9	X	131.06132	144.14724	314.60102	9.62462	0.1623193	0.18229960	3.0804364	21	5 12.7	20.9
381669 2009 BE_{45}	16.0	X	147.63618	123.11414	326.51664	10.02057	0.0702351	0.17989974	3.1077711	21	5 10.1	20.8
381670 2009 BE_{48}	17.0	X	127.22867	314.22563	112.74952	2.22402	0.1584219	0.17625431	3.1504764	21	4 4.4	21.8
381671 2009 BJ_{48}	15.4	X	163.54304	99.21727	308.93643	21.37370	0.0601806	0.17813061	3.1283140	21	3 28.1	20.5
381672 2009 BA_{55}	16.2	X	115.95150	94.18616	320.32281	16.88188	0.1485440	0.17017509	3.2250668	21	3 2.5	21.1
381673 2009 BB_{70}	16.1	X	74.44785	50.63226	86.03013	6.34084	0.1168964	0.17727534	3.1383678	21	4 23.0	20.3
381674 2009 BE_{79}	16.2	X	166.09259	110.94183	296.81499	7.96616	0.1435502	0.18125797	3.0922265	21	4 12.3	21.3
381675 2009 BX_{79}	15.7	X	112.01363	302.37762	174.39906	16.55836	0.2260587	0.17867193	3.1219923	21	5 28.0	20.8
381676 2009 BE_{80}	17.5	X	219.19471	59.45225	122.21457	22.00088	0.0851122	0.37508094	1.9042299	21	12 31.2	19.5
381677 2009 BJ_{81}	18.3	X	321.95307	90.22625	108.70502	5.84004	0.4551194	0.39154668	1.8504628	21	—	—
381678 2009 BD_{91}	16.4	X	190.33700	275.15402	134.62207	3.39769	0.1264215	0.18470050	3.0536833	21	5 11.7	21.3
381679 2009 BH_{92}	16.7	X	76.51100	234.26291	306.39513	2.08004	0.1471620	0.18223829	3.0811272	21	6 23.5	20.9
381680 2009 BR_{95}	15.9	X	77.74192	28.28495	114.22824	12.22394	0.0654227	0.17965661	3.1105743	21	4 30.2	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381681 2009 BF_{112}	15.8	X	61.70357	217.04567	299.44389	8.25434	0.0634034	0.17741273	3.1367473	21	4 16.6	20.1
381682 2009 BL_{142}	15.7	X	69.38223	18.42840	128.94672	9.58783	0.1554172	0.17508330	3.1645082	21	5 6.7	20.0
381683 2009 BT_{159}	16.0	X	92.40943	149.86696	349.98312	17.43423	0.1883603	0.17630944	3.1498195	21	5 23.2	20.9
381684 2009 BV_{181}	15.7	X	112.38770	62.51615	78.15127	17.16405	0.1807848	0.18173818	3.0867770	21	6 18.8	20.4
381685 2009 BS_{183}	15.5	X	190.60101	51.39467	327.09937	15.04145	0.0853198	0.17891787	3.1191307	21	3 27.5	20.5
381686 2009 BF_{187}	16.2	X	115.89890	304.42418	176.57330	10.20328	0.2707817	0.18132713	3.0914403	21	6 8.8	21.4
381687 2009 CY	15.9	X	113.23711	326.89291	159.76354	11.32942	0.2582313	0.18151333	3.0893257	21	6 12.3	21.0
381688 2009 CG_{1}	16.3	X	57.97791	1.61742	148.81366	6.37834	0.1396795	0.17372175	3.1810213	21	4 20.0	20.3
381689 2009 CK_{14}	15.8	X	102.32068	121.53835	342.44625	26.44660	0.2040943	0.17586990	3.1550655	21	4 12.9	20.9
381690 2009 CN_{32}	16.2	X	5.99924	107.34270	110.39777	2.51100	0.1073825	0.17117063	3.2125499	21	4 20.1	20.1
381691 2009 CF_{34}	16.5	X	174.58722	67.80345	325.44871	15.40695	0.2343956	0.18161041	3.0882247	21	4 2.4	22.1
381692 2009 CP_{39}	16.7	X	119.71090	295.68802	204.47592	3.78103	0.1141730	0.18596383	3.0398377	21	6 19.2	21.2
381693 2009 CH_{50}	16.2	X	113.93853	130.64554	327.45328	9.46349	0.1953324	0.17790557	3.1309516	21	4 27.2	21.1
381694 2009 CS_{50}	16.4	X	144.07990	34.89837	73.29761	5.65236	0.1430823	0.18449462	3.0559547	21	6 7.4	21.1
381695 2009 CQ_{55}	16.3	X	97.10170	49.35705	120.30251	18.75188	0.1505439	0.18485707	3.0519589	21	7 5.8	20.8
381696 2009 CO_{60}	15.9	X	101.00116	136.65571	346.31613	8.00638	0.1230605	0.17869625	3.1217091	21	5 5.2	20.5
381697 2009 DT_{6}	15.8	X	76.53746	124.46470	335.77377	16.41947	0.0406604	0.16873945	3.2433337	21	2 27.3	20.2
381698 2009 DD_{74}	16.3	X	114.00470	281.51832	158.33019	13.62640	0.2963904	0.17469340	3.1692151	21	4 24.4	21.5
381699 2009 DY_{127}	14.9	X	77.04337	271.36142	265.99667	24.94913	0.1394320	0.17879765	3.1205287	21	6 18.6	19.1
381700 2009 EW_{12}	16.0	X	78.78053	100.49518	49.88097	10.27427	0.1743379	0.17452015	3.1713122	21	5 21.9	20.3
381701 2009 EU_{13}	16.2	X	89.72800	138.85343	354.24856	11.15554	0.2017184	0.17414880	3.1758189	21	5 14.9	20.9
381702 2009 FP_{75}	15.9	X	115.08456	62.06506	74.54907	11.68088	0.2153242	0.17829539	3.1263863	21	6 20.4	20.8
381703 2009 HD_{84}	14.0	X	303.49930	244.50289	79.51583	13.23387	0.1553614	0.08511973	5.1181838	21	5 29.9	20.5
381704 2009 HT_{95}	16.0	X	85.71730	134.84432	115.09942	11.03468	0.0521652	0.18731933	3.0251551	21	9 23.4	20.4
381705 2009 LH_{6}	17.5	X	219.18056	357.95120	280.86530	5.43739	0.1630611	0.29332894	2.2433624	21	—	—
381706 2009 NB_{2}	18.0	X	151.46115	178.46891	151.89134	2.80976	0.1992981	0.28509450	2.2863541	21	—	—
381707 2009 PL_{4}	17.6	X	30.00010	100.26028	289.39770	3.89515	0.2124841	0.26500935	2.4004643	21	—	—
381708 2009 PM_{11}	18.0	X	42.15690	202.94852	158.91588	1.57982	0.2202147	0.26233476	2.4167524	21	—	—
381709 2009 PC_{15}	17.6	X	71.08551	59.81560	316.18565	4.34526	0.2387747	0.27172138	2.3607691	21	—	—
381710 2009 PL_{17}	17.6	X	79.58656	189.39983	170.18236	3.06141	0.2209562	0.27054149	2.3676280	21	—	—
381711 2009 PA_{18}	17.8	X	111.10047	334.01547	355.10977	6.19957	0.1267143	0.27222493	2.3578569	21	—	—
381712 2009 QE_{4}	17.2	X	94.26473	33.20554	303.59323	5.57922	0.2456740	0.27039910	2.3684591	21	—	—
381713 2009 QQ_{6}	18.1	X	43.63647	195.83336	197.45610	1.87607	0.2031113	0.26758107	2.3850590	21	—	—
381714 2009 QU_{8}	16.8	X	84.88213	41.94905	336.99734	12.10001	0.2315041	0.27471846	2.3435676	21	—	—
381715 2009 QB_{27}	17.7	X	97.45663	272.07304	55.98648	2.83075	0.2228043	0.26949094	2.3737771	21	—	—
381716 2009 QA_{38}	17.4	X	95.24608	203.92019	142.73246	5.60743	0.2106321	0.27064186	2.3670426	21	—	—
381717 2009 QP_{41}	18.0	X	105.76837	239.67521	57.65497	1.61411	0.2064314	0.26742083	2.3860116	21	12 31.4	22.0
381718 2009 QG_{46}	17.6	X	125.29315	296.02188	16.30855	1.56246	0.2041703	0.27344578	2.3508337	21	—	—
381719 2009 QQ_{46}	17.9	X	49.81421	41.38413	334.79222	0.78172	0.1986188	0.26579005	2.3957614	21	—	—
381720 2009 QX_{52}	17.8	X	51.39996	224.41784	169.06205	4.07796	0.1564221	0.26886988	2.3774312	21	—	—
381721 2009 QU_{60}	17.5	X	200.43642	205.17816	141.14073	7.04181	0.1184195	0.29698766	2.2248997	21	2 19.7	20.6
381722 2009 RG	17.5	X	81.11491	74.38928	340.45206	7.31871	0.1294241	0.28192722	2.3034460	21	—	—
381723 2009 RL_{3}	16.8	X	86.50026	99.71060	265.70767	8.70891	0.1245254	0.27176889	2.3604939	21	—	—
381724 2009 RQ_{3}	17.1	X	99.31347	41.21330	16.89708	6.78668	0.1574740	0.28630783	2.2798900	21	1 31.5	19.5
381725 2009 RP_{5}	17.6	X	134.17526	57.56285	257.70361	1.53261	0.2189229	0.27302232	2.3532638	21	—	—
381726 2009 RW_{12}	17.6	X	61.61213	342.70059	29.71779	1.43447	0.2080513	0.26579158	2.3957523	21	—	—
381727 2009 RX_{16}	17.8	X	55.65677	201.34952	154.38596	1.76504	0.2059233	0.26180712	2.4199984	21	—	—
381728 2009 RF_{17}	17.3	X	45.58423	202.63072	176.37533	7.32739	0.1336547	0.26296763	2.4128733	21	—	—
381729 2009 RW_{18}	17.7	X	120.44232	41.64626	293.48172	1.79197	0.1758434	0.27537099	2.3398639	21	—	—
381730 2009 RD_{19}	17.8	X	17.86423	133.01842	276.60818	4.30022	0.2125067	0.26133313	2.4229237	21	—	—
381731 2009 RT_{21}	17.3	X	85.87708	223.98421	200.13387	6.68436	0.2266782	0.28419196	2.2911922	21	1 22.9	19.3
381732 2009 RJ_{26}	17.4	X	74.50872	221.22844	121.47542	5.38608	0.2165576	0.26664330	2.3906478	21	—	—
381733 2009 RU_{45}	17.8	X	115.62970	311.96831	357.83427	3.36039	0.1165473	0.26556397	2.3971210	21	—	—
381734 2009 RH_{46}	17.8	X	68.51828	339.07563	3.07329	3.19493	0.2006011	0.26204249	2.4185491	21	—	—
381735 2009 RQ_{53}	17.1	X	319.80215	110.88675	35.05196	6.48168	0.0929065	0.26825854	2.3810418	21	—	—
381736 2009 RS_{53}	16.8	X	58.75488	10.72859	25.76504	8.87753	0.1445483	0.26751292	2.3854640	21	—	—
381737 2009 RU_{61}	17.4	X	93.45316	350.83955	11.63265	2.20650	0.2370401	0.27306483	2.3530196	21	—	—
381738 2009 RP_{70}	17.7	X	256.17188	17.25722	170.75987	3.87844	0.0269020	0.26804122	2.3823286	21	—	—
381739 2009 SG_{1}	13.3	X	339.00192	158.95072	120.88843	23.62531	0.0752855	0.08513277	5.1176615	21	6 7.9	20.0
381740 2009 SJ_{24}	17.2	X	109.27052	56.98207	298.68234	3.75371	0.0688478	0.27483048	2.3429308	21	—	—
381741 2009 SN_{34}	17.8	X	30.60989	23.76530	355.78106	6.44251	0.1723630	0.25867436	2.4394980	21	—	—
381742 2009 SF_{51}	17.9	X	54.07658	253.15282	140.71358	1.65148	0.1738854	0.26889747	2.3772685	21	—	—
381743 2009 SE_{61}	17.4	X	79.45905	136.47688	254.44528	3.66497	0.1922838	0.27192431	2.3595944	21	—	—
381744 2009 SD_{67}	17.4	X	246.06552	104.63093	299.77519	0.96627	0.0824212	0.22484302	2.6784473	21	7 4.1	21.2
381745 2009 SB_{69}	17.5	X	239.51033	163.70037	60.60440	5.90315	0.1555908	0.27135715	2.3628811	21	—	—
381746 2009 SW_{69}	17.5	X	357.89754	170.77205	329.79802	3.04735	0.0773950	0.28118852	2.3074785	21	—	—
381747 2009 SX_{99}	16.4	X	39.14174	225.01117	200.20125	23.34381	0.1763819	0.26975022	2.3722557	21	—	—
381748 2009 SU_{101}	16.7	X	39.87592	201.79985	208.56913	23.49761	0.2302650	0.26741868	2.3860245	21	—	—
381749 2009 SP_{114}	16.9	X	313.17743	98.59562	353.26222	14.66052	0.0245910	0.25899592	2.4374783	21	12 20.5	20.3
381750 2009 SL_{125}	17.7	X	20.71296	120.00077	310.92469	3.12987	0.1243575	0.26635613	2.3923658	21	—	—
381751 2009 SQ_{127}	17.1	X	197.39576	33.29082	250.40663	2.97989	0.2061960	0.28127078	2.3070286	21	—	—
381752 2009 SG_{129}	17.6	X	18.47317	54.61265	39.70538	3.03106	0.0873032	0.27128575	2.3632957	21	—	—
381753 2009 ST_{142}	17.4	X	103.17198	320.34110	6.82681	9.36623	0.0744890	0.26565007	2.3966030	21	—	—
381754 2009 SP_{146}	17.6	X	54.53911	166.56334	186.56918	5.47180	0.2427703	0.26015760	2.4302169	21	—	—
381755 2009 SW_{146}	17.8	X	72.42999	299.62447	41.08948	2.77866	0.2310012	0.26267358	2.4146737	21	—	—
381756 2009 SQ_{150}	17.2	X	217.59033	62.02704	207.03014	4.94626	0.1534895	0.28281255	2.2986363	21	—	—
381757 2009 SZ_{160}	17.4	X	6.85574	20.09618	53.88827	3.17581	0.1699568	0.25664242	2.4523573	21	—	—
381758 2009 SC_{185}	16.9	X	14.44219	188.99185	234.35637	5.98778	0.1457157	0.26270592	2.4144755	21	—	—
381759 2009 SL_{200}	17.3	X	39.04603	9.61868	0.34395	9.29069	0.1669754	0.25949589	2.4343465	21	—	—
381760 2009 SC_{215}	17.2	X	27.61149	351.89324	53.55895	4.01570	0.1882803	0.26156917	2.4214658	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381761 2009 SP_{230}	17.2	X	58.86675	74.92189	348.97586	6.40954	0.1017648	0.27746166	2.3280952	21	—	—
381762 2009 SM_{238}	17.0	X	77.65056	317.92063	52.89121	11.27681	0.2250680	0.26926365	2.3751127	21	—	—
381763 2009 SC_{263}	17.1	X	48.18844	6.94843	39.51197	5.37497	0.1869195	0.26850973	2.3795565	21	—	—
381764 2009 SV_{266}	17.6	X	55.83436	170.89904	291.82288	2.41353	0.1714565	0.27806706	2.3247148	21	1 14.7	19.4
381765 2009 SP_{275}	17.7	X	11.60300	288.74293	140.34925	2.59095	0.1915661	0.26329806	2.4108542	21	—	—
381766 2009 SY_{275}	18.4	X	81.97154	221.01953	113.26834	2.21774	0.1904145	0.26437661	2.4042928	21	—	—
381767 2009 SS_{288}	17.2	X	31.18848	268.53895	145.10066	2.92680	0.1754582	0.26549482	2.3975372	21	—	—
381768 2009 SH_{291}	17.5	X	20.88035	322.02833	72.56837	5.03699	0.2141982	0.25821663	2.4423801	21	—	—
381769 2009 SD_{317}	17.5	X	150.55813	306.93775	12.19948	7.50908	0.1375997	0.27851519	2.3222205	21	—	—
381770 2009 SU_{324}	17.7	X	17.57496	303.04574	99.01536	2.31889	0.1879749	0.25984662	2.4321555	21	—	—
381771 2009 SS_{325}	17.4	X	55.43093	182.35792	189.99634	4.93522	0.1255420	0.26272291	2.4143714	21	—	—
381772 2009 SK_{326}	16.3	X	86.59210	344.42218	51.83016	9.48772	0.2330335	0.27369864	2.3493855	21	—	—
381773 2009 SD_{331}	17.4	X	73.49799	296.88670	72.33520	3.29063	0.2145861	0.26926127	2.3751267	21	—	—
381774 2009 SM_{331}	17.1	X	164.91386	267.56060	35.82017	7.37722	0.1361222	0.27953914	2.3165462	21	—	—
381775 2009 SA_{337}	17.1	X	100.62771	246.52581	90.54038	8.07472	0.2086591	0.27161813	2.3613673	21	—	—
381776 2009 SB_{340}	17.9	X	125.50264	269.86331	55.83262	2.78385	0.2092492	0.27386521	2.3484328	21	—	—
381777 2009 SF_{345}	17.2	X	299.77369	107.37243	76.32382	4.70165	0.1065977	0.27417116	2.3466854	21	—	—
381778 2009 SC_{346}	17.6	X	0.75870	306.60322	123.69010	3.35458	0.1763357	0.26010089	2.4305701	21	—	—
381779 2009 SM_{347}	17.7	X	343.51360	299.05727	168.10217	8.32069	0.2405896	0.26205320	2.4184831	21	—	—
381780 2009 TG_{1}	18.3	X	82.17798	244.28731	87.76707	3.62652	0.2160485	0.26332116	2.4107132	21	—	—
381781 2009 TW_{1}	17.5	X	77.94168	180.82932	157.88368	5.33293	0.2648324	0.26488142	2.4012371	21	—	—
381782 2009 TX_{1}	17.2	X	81.99586	328.70865	40.34503	7.47961	0.2545343	0.27014817	2.3699255	21	—	—
381783 2009 TS_{2}	17.2	X	49.01859	305.34623	79.73220	4.75624	0.3251518	0.26362870	2.4088380	21	—	—
381784 2009 TZ_{4}	17.2	X	82.59253	348.19950	23.64088	6.56884	0.1095324	0.26950288	2.3737070	21	—	—
381785 2009 TF_{13}	17.9	X	20.59785	270.56867	135.53830	4.09928	0.1036795	0.26615481	2.3935720	21	—	—
381786 2009 TP_{20}	17.6	X	77.67545	281.26060	68.23869	2.91175	0.1960029	0.26506805	2.4001099	21	—	—
381787 2009 TU_{25}	17.4	X	59.88106	177.41030	203.47545	14.73927	0.1475292	0.26326410	2.4110615	21	—	—
381788 2009 TG_{34}	17.0	X	72.23760	291.83901	71.03731	7.02631	0.0869115	0.26530206	2.3986983	21	—	—
381789 2009 TQ_{36}	16.9	X	14.07436	344.33355	75.53581	11.31427	0.2677072	0.25902635	2.4372874	21	—	—
381790 2009 TY_{36}	18.1	X	100.57588	121.93332	202.28773	2.57182	0.1322613	0.26529842	2.3987203	21	—	—
381791 2009 TE_{39}	16.7	X	48.65296	246.16809	105.61731	11.11121	0.2941587	0.25855748	2.4402331	21	—	—
381792 2009 UC_{6}	17.6	X	72.79917	142.56345	196.61589	1.63860	0.2616241	0.26852128	2.3794883	21	—	—
381793 2009 UA_{20}	17.5	X	32.80426	308.21040	61.63400	6.41728	0.2381496	0.25836957	2.4414161	21	—	—
381794 2009 UO_{20}	16.5	X	96.88549	78.42943	280.29476	5.19850	0.1577411	0.26848788	2.3796856	21	—	—
381795 2009 UH_{21}	17.1	X	310.32675	91.44413	61.33311	9.75405	0.1392390	0.26334435	2.4105717	21	—	—
381796 2009 UF_{34}	16.7	X	148.65509	131.33708	42.28599	14.02514	0.1808286	0.22890696	2.6466512	21	9 11.3	21.3
381797 2009 UK_{38}	17.4	X	334.81903	162.44186	199.85091	2.74559	0.1723377	0.23950634	2.5679785	21	9 12.2	19.8
381798 2009 UJ_{41}	17.6	X	13.59180	302.70818	205.51125	5.21948	0.1777241	0.27905543	2.3192224	21	—	—
381799 2009 UQ_{46}	17.1	X	55.43419	335.06487	41.35388	4.01609	0.2372150	0.26173551	2.4204398	21	—	—
381800 2009 UM_{61}	17.6	X	112.77918	188.84426	126.65934	3.26377	0.2111149	0.26861846	2.3789144	21	—	—
381801 2009 UN_{68}	17.4	X	72.01600	128.01870	3.00202	2.39998	0.0997636	0.29778648	2.2209191	21	3 20.1	19.3
381802 2009 US_{97}	17.0	X	195.40485	186.43009	59.86752	7.60811	0.0908793	0.26302470	2.4125243	21	—	—
381803 2009 UM_{108}	18.0	X	290.69225	207.75189	217.72374	4.00042	0.1316992	0.23954260	2.5677193	21	9 25.4	20.9
381804 2009 UG_{115}	17.2	X	13.45261	241.04072	195.12680	4.75372	0.1276357	0.26567154	2.3964739	21	—	—
381805 2009 UH_{115}	17.8	X	197.24484	214.85729	36.36085	3.12068	0.1241904	0.27089116	2.3655901	21	—	—
381806 2009 UP_{115}	17.6	X	277.99749	175.17407	41.63964	4.45402	0.0964943	0.27979876	2.3151130	21	—	—
381807 2009 UD_{118}	18.2	X	2.66566	31.88567	41.75967	1.94918	0.1685807	0.26184910	2.4197397	21	—	—
381808 2009 UT_{118}	18.0	X	356.33288	261.46286	199.90864	1.92781	0.1665182	0.26592774	2.3949344	21	—	—
381809 2009 UC_{135}	17.1	X	41.60556	255.93912	165.55497	12.81256	0.1014055	0.26710921	2.3878670	21	—	—
381810 2009 UH_{147}	16.8	X	165.38778	302.01260	232.59835	11.06045	0.1264145	0.23427182	2.6060896	21	9 16.0	21.1
381811 2009 UE_{155}	17.1	X	344.20419	108.42572	30.25305	5.44497	0.0668622	0.27436215	2.3455962	21	—	—
381812 2009 VQ_{2}	15.5	X	0.13947	332.77480	343.25968	12.19940	0.2996508	0.23781328	2.5801521	21	9 8.3	16.8
381813 2009 VC_{23}	17.1	X	279.87550	325.26469	99.17980	2.51325	0.1447929	0.23548743	2.5971133	21	9 6.9	20.2
381814 2009 VJ_{25}	17.5	X	350.55257	115.01074	239.28572	13.82558	0.1426698	0.24281096	2.5446254	21	9 29.2	20.4
381815 2009 VT_{45}	16.7	X	287.70475	200.05864	232.18025	16.03989	0.0870652	0.24011651	2.5636262	21	10 3.5	20.0
381816 2009 VG_{46}	16.8	X	273.34743	290.08281	248.04566	9.69179	0.2039670	0.25712463	2.4492903	21	—	—
381817 2009 VE_{55}	18.0	X	329.39316	343.20917	103.80967	2.26337	0.1519464	0.25586853	2.4572997	21	—	—
381818 2009 VV_{55}	18.2	X	310.87189	292.06288	219.70048	0.66368	0.1268538	0.26704583	2.3882448	21	—	—
381819 2009 VM_{60}	17.0	X	295.25907	207.80804	168.32828	17.83172	0.2335946	0.23432272	2.6057122	21	7 6.8	20.6
381820 2009 VT_{67}	17.6	X	267.16566	132.66647	358.36216	2.09966	0.0555039	0.24742968	2.5128594	21	12 1.8	20.8
381821 2009 VE_{71}	17.4	X	307.21371	192.40626	315.73315	1.89154	0.1345591	0.25660988	2.4525647	21	—	—
381822 2009 VC_{76}	17.1	X	29.63426	5.26528	88.74926	4.74329	0.0951764	0.26736729	2.3863302	21	—	—
381823 2009 VZ_{80}	16.9	X	81.66261	294.26410	56.85278	22.69999	0.3186355	0.26761134	2.3848791	21	—	—
381824 2009 VS_{83}	17.7	X	319.41617	149.22600	275.24747	2.82100	0.1089295	0.24603610	2.5223392	21	11 17.4	20.3
381825 2009 VF_{85}	17.7	X	292.44729	63.13465	81.71714	3.34113	0.1370663	0.25482124	2.4640280	21	—	—
381826 2009 VX_{86}	17.5	X	308.33234	331.36179	215.31474	5.55576	0.1748826	0.26706853	2.3881095	21	—	—
381827 2009 VD_{103}	16.8	X	273.95570	44.47987	88.18240	8.64968	0.1480447	0.24111239	2.5565622	21	11 30.9	19.8
381828 2009 VP_{103}	16.2	X	190.04840	215.56591	292.49318	12.73076	0.0984277	0.22349060	2.6892419	21	9 5.6	20.5
381829 2009 VQ_{103}	17.3	X	310.99671	36.63645	8.83311	2.48903	0.1819974	0.23366729	2.6105825	21	9 26.6	19.7
381830 2009 VM_{116}	16.6	X	241.52884	294.69035	93.66328	14.39191	0.2075850	0.21418722	2.7665616	21	5 28.9	21.1
381831 2009 VU_{116}	16.4	X	88.05999	13.03576	254.34215	14.05758	0.0165176	0.23659591	2.5889951	21	10 9.4	20.2
381832 2009 WX_{20}	16.8	X	300.84028	14.45587	76.08066	7.51792	0.2872555	0.23741077	2.5830676	21	10 31.2	19.0
381833 2009 WL_{27}	17.9	X	34.64436	324.45718	22.31887	0.65795	0.2173657	0.25118963	2.4877205	21	12 20.8	21.1
381834 2009 WO_{27}	17.8	X	56.68454	152.94209	295.68905	0.50860	0.1472822	0.27318024	2.3523568	21	—	—
381835 2009 WO_{31}	16.1	X	226.81054	15.23790	68.78720	22.88103	0.0229757	0.22691268	2.6621358	21	8 18.2	20.3
381836 2009 WZ_{43}	16.8	X	294.61036	176.93353	281.75929	6.40874	0.0896749	0.23769728	2.5809915	21	11 22.3	19.7
381837 2009 WQ_{77}	17.1	X	25.36636	4.85938	335.46393	3.11180	0.1804596	0.24496160	2.5297098	21	11 21.2	20.1
381838 2009 WG_{79}	17.1	X	311.98594	72.89815	70.96680	3.88516	0.1422226	0.26242662	2.4161884	21	—	—
381839 2009 WT_{80}	16.4	X	153.88427	17.73054	286.75251	5.45934	0.1321753	0.26208096	2.4183124	21	—	—
381840 2009 WE_{88}	16.6	X	124.18623	156.42146	49.91251	12.64229	0.1342785	0.22892017	2.6465495	21	9 25.8	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381841 2009 WN_{94}	17.3	X	237.07989	27.53271	179.10341	7.20139	0.0888006	0.26340874	2.4101788	21	—	—
381842 2009 WA_{100}	17.5	X	225.07309	230.32446	290.29615	2.75032	0.1880425	0.23986758	2.5653995	21	10 26.7	21.3
381843 2009 WQ_{122}	17.2	X	3.28613	237.09971	84.93588	2.84611	0.1000972	0.23410324	2.6073406	21	9 8.8	20.0
381844 2009 WV_{163}	17.5	X	336.59390	309.63202	58.00318	6.53749	0.3479569	0.24159678	2.5531439	21	9 25.9	18.4
381845 2009 WP_{169}	16.9	X	19.96637	80.59250	276.24961	5.22212	0.0577188	0.24653026	2.5189675	21	11 17.5	20.0
381846 2009 WK_{184}	17.2	X	249.14279	76.61012	68.59810	6.71846	0.1092606	0.24401458	2.5362508	21	11 17.9	20.4
381847 2009 WU_{229}	17.0	X	196.48451	109.06693	59.53322	17.35719	0.0682596	0.24198525	2.5504107	21	10 25.3	20.8
381848 2009 WX_{236}	16.6	X	269.26443	32.03704	73.04921	14.97109	0.0301404	0.24118509	2.5560484	21	11 7.3	20.0
381849 2009 WD_{237}	16.3	X	273.33825	343.57540	125.38422	14.79895	0.2398283	0.23239314	2.6201160	21	10 18.3	19.8
381850 2009 WJ_{240}	16.4	X	237.71276	118.30487	287.09694	9.14455	0.1099024	0.21325072	2.7746553	21	6 22.7	20.6
381851 2009 WL_{247}	16.1	X	277.23680	158.89485	290.57895	11.86215	0.0214446	0.24233633	2.5479469	21	10 19.5	19.7
381852 2009 WG_{249}	17.1	X	344.33014	280.13416	71.39657	14.17832	0.2099113	0.23692469	2.5865994	21	9 28.3	19.6
381853 2009 WK_{259}	17.6	X	300.12134	223.83551	224.99209	4.25160	0.2451257	0.24034875	2.5619745	21	10 31.4	19.9
381854 2009 WJ_{261}	17.1	X	11.90776	150.61753	307.51758	5.47704	0.1483696	0.26308529	2.4121538	21	—	—
381855 2009 WD_{264}	16.5	X	167.22780	73.48709	108.82896	12.86289	0.1276627	0.22379186	2.6868279	21	10 7.4	21.0
381856 2009 XP_{16}	16.4	X	235.41491	348.92528	106.36920	16.06185	0.0946035	0.22390973	2.6858850	21	8 31.0	20.4
381857 2009 XL_{17}	16.4	X	78.96964	311.75625	292.14015	2.81285	0.0330464	0.22028485	2.7152696	21	9 1.1	20.1
381858 2009 XS_{19}	17.6	X	359.22011	135.92556	329.65700	0.70218	0.1442905	0.25591937	2.4569743	21	—	—
381859 2009 XC_{23}	17.0	X	312.94809	198.56453	249.20154	2.96170	0.1015844	0.24021086	2.5629549	21	12 8.3	19.8
381860 2009 XS_{24}	17.0	X	276.24960	244.83547	197.92997	4.91930	0.2187997	0.23275982	2.6173635	21	9 11.9	20.4
381861 2009 XZ_{24}	16.2	X	188.30404	302.30682	118.10380	13.72663	0.0141927	0.20344092	2.8631483	21	5 24.6	20.4
381862 2009 YW_{7}	17.4	X	351.00758	273.23827	200.23863	1.05924	0.1453555	0.25672944	2.4518031	21	—	—
381863 2009 YQ_{21}	17.1	X	248.65573	115.08853	312.95075	7.05363	0.1212695	0.22203799	2.7009582	21	8 2.8	21.0
381864 2009 YP_{22}	16.5	X	234.18645	56.18761	84.94393	14.37180	0.1111591	0.23458058	2.6038023	21	10 28.8	20.3
381865 2009 YW_{23}	16.0	X	287.83763	255.84071	96.04847	17.90182	0.1690984	0.21649940	2.7468287	21	6 6.6	19.7
381866 2010 AF_{6}	16.6	X	11.51702	328.92141	116.33911	10.42732	0.0781397	0.25543242	2.4600959	21	—	—
381867 2010 AP_{8}	16.8	X	267.19753	94.20470	295.52477	5.56254	0.2154778	0.22226367	2.6991295	21	6 22.5	20.8
381868 2010 AV_{8}	16.7	X	229.90597	288.94486	136.16706	5.25552	0.0589373	0.21431321	2.7654773	21	7 14.2	20.7
381869 2010 AC_{9}	17.1	X	148.80383	256.08928	278.91929	4.96169	0.0678827	0.21763777	2.7372421	21	8 29.9	21.2
381870 2010 AC_{10}	16.8	X	16.13789	325.53341	121.50466	23.96725	0.2141281	0.25671502	2.4518949	21	—	—
381871 2010 AJ_{20}	17.1	X	289.36128	322.20343	78.74436	3.08696	0.1080700	0.22703646	2.6611681	21	8 24.9	20.3
381872 2010 AJ_{21}	16.5	X	259.40727	161.27121	272.69393	14.18888	0.0796163	0.22871258	2.6481506	21	8 23.2	20.5
381873 2010 AP_{36}	16.1	X	242.24421	141.15667	323.38529	12.35620	0.1310512	0.22491098	2.6779077	21	9 7.5	20.0
381874 2010 AS_{38}	16.4	X	269.87575	139.67986	288.40301	10.35938	0.1420556	0.22516148	2.6759212	21	8 22.6	20.2
381875 2010 AK_{40}	16.1	X	292.54601	119.89990	284.88205	14.39714	0.0800120	0.22568515	2.6717802	21	8 29.7	19.8
381876 2010 AQ_{54}	16.4	X	262.64979	0.97694	57.87413	2.83402	0.0699102	0.21778721	2.7359898	21	8 16.7	20.0
381877 2010 AB_{56}	16.1	X	223.89765	325.68431	124.67375	10.12317	0.0510548	0.21467398	2.7623780	21	8 11.1	20.0
381878 2010 AD_{56}	16.7	X	249.38504	145.02696	331.90859	5.86561	0.2566089	0.22920546	2.6443529	21	9 17.6	20.6
381879 2010 AJ_{59}	15.5	X	40.52356	161.18188	313.50126	17.84423	0.2392710	0.18166544	3.0876010	21	2 5.2	18.2
381880 2010 AJ_{66}	16.4	X	245.25116	307.45366	129.70236	9.53292	0.1273898	0.21870090	2.7283642	21	8 10.0	20.3
381881 2010 AQ_{67}	17.0	X	313.89892	341.53659	66.99321	4.51329	0.0618628	0.23635899	2.5907249	21	10 19.7	20.1
381882 2010 AR_{69}	16.5	X	266.29455	47.95818	74.24560	10.45964	0.1573558	0.23667801	2.5883963	21	11 4.9	19.7
381883 2010 AL_{72}	16.6	X	260.39459	16.50107	70.40895	5.07279	0.0876698	0.22683412	2.6627505	21	9 19.9	20.2
381884 2010 AJ_{75}	15.3	X	345.54947	171.77334	222.15682	13.24357	0.1691163	0.24386220	2.5373072	21	11 25.7	17.6
381885 2010 AZ_{75}	16.6	X	264.42227	288.63701	140.52733	13.31112	0.2253863	0.22509432	2.6764534	21	8 8.6	20.3
381886 2010 AL_{80}	17.1	X	319.91876	175.86445	287.38612	8.94350	0.2056235	0.24563758	2.5250667	21	—	—
381887 2010 AU_{80}	17.2	X	268.26902	71.02553	341.25228	3.53892	0.1679782	0.22315905	2.6919049	21	7 31.1	20.9
381888 2010 AT_{105}	16.1	X	120.86990	303.08337	151.32048	7.98607	0.1191187	0.18331816	3.0690153	21	4 27.6	20.7
381889 2010 AS_{107}	15.9	X	2.74105	74.85800	145.02627	16.13860	0.0420487	0.18097556	3.0954427	21	4 23.2	20.3
381890 2010 AT_{107}	15.3	X	192.70593	334.37793	18.76203	17.37364	0.1109413	0.17206384	3.2014224	21	3 13.3	20.5
381891 2010 AZ_{125}	16.2	X	273.24198	288.57561	351.96268	4.86114	0.0206316	0.17365373	3.1818520	21	3 12.3	20.7
381892 2010 BR	16.9	X	255.24861	199.47488	266.49489	5.53782	0.2311739	0.22939779	2.6428746	21	9 11.7	20.9
381893 2010 BA_{1}	16.4	X	304.39297	352.17787	91.32423	14.19308	0.1351813	0.23677088	2.5877194	21	11 18.4	19.3
381894 2010 BV_{2}	15.8	X	358.06223	92.31271	112.53045	10.89527	0.0368243	0.18773714	3.0206652	21	3 27.6	20.0
381895 2010 BF_{4}	15.8	X	107.14684	263.77918	336.41668	13.49442	0.0751433	0.22183221	2.7026283	21	10 2.8	19.9
381896 2010 BT_{11}	16.0	X	122.17490	261.91859	232.70678	7.42777	0.0927656	0.19132508	2.9827815	21	6 12.4	20.4
381897 2010 BW_{40}	15.6	X	36.04098	352.52066	158.56717	12.33603	0.0759086	0.17269840	3.1935753	21	3 11.2	19.6
381898 2010 BM_{46}	15.6	X	86.54173	50.58664	73.61444	17.28209	0.0608410	0.17901339	3.1180210	21	4 20.5	20.1
381899 2010 BB_{69}	15.5	X	250.98345	26.97791	266.56531	12.01891	0.0576983	0.16846248	3.2468876	21	2 21.2	20.5
381900 2010 BU_{76}	15.3	X	43.84643	80.28645	17.14711	18.84843	0.0689019	0.16059155	3.3521306	21	1 22.9	20.1
381901 2010 CG_{2}	16.2	X	273.55466	123.73832	322.60846	27.61092	0.2486526	0.23055401	2.6340313	21	8 31.7	20.0
381902 2010 CV_{4}	16.1	X	219.14993	352.54587	152.27855	14.77744	0.1938928	0.22499333	2.6772543	21	10 3.6	20.4
381903 2010 CC_{12}	16.3	X	274.82327	36.17883	65.43177	12.11956	0.1052636	0.23064037	2.6333737	21	10 28.6	19.6
381904 Beatita	16.8	X	302.93054	358.26744	111.63752	8.72066	0.1314501	0.24000012	2.5644550	21	12 20.4	19.5
381905 2010 CW_{17}	15.6	X	8.43298	128.78856	77.28766	20.94826	0.1069526	0.17444936	3.1721700	21	4 18.6	19.9
381906 2010 CL_{19}	17.7	X	13.88260	76.78307	243.81470	7.31358	0.6457756	0.51441791	1.5426190	21	—	—
381907 2010 CB_{20}	16.5	X	206.44581	10.96532	139.02552	10.32988	0.1154561	0.22634422	2.6665912	21	10 4.6	20.6
381908 2010 CU_{24}	16.6	X	340.85759	148.18778	136.71485	8.47639	0.0762078	0.20341891	2.8633548	21	6 8.2	20.2
381909 2010 CG_{29}	16.3	X	138.75286	305.63456	161.38310	9.71490	0.0762569	0.19476326	2.9475738	21	5 27.4	20.8
381910 2010 CJ_{32}	15.5	X	42.21365	144.35580	357.00683	17.15293	0.1341901	0.17719757	3.1392859	21	3 11.8	19.2
381911 2010 CM_{32}	16.8	X	215.98997	126.52387	346.30750	9.41786	0.2752026	0.21618226	2.7495145	21	8 14.6	21.5
381912 2010 CG_{40}	16.4	X	318.46756	172.30696	67.43754	3.20180	0.1174293	0.17634172	3.1494351	21	3 6.2	20.7
381913 2010 CC_{41}	15.7	X	36.02427	80.12239	123.16224	10.09237	0.0568676	0.17941161	3.1134055	21	5 17.3	19.9
381914 2010 CP_{41}	16.5	X	273.38225	61.24246	40.91808	11.16309	0.1982438	0.23354353	2.6115048	21	10 12.2	19.8
381915 2010 CL_{43}	15.6	X	61.54967	123.31304	87.46158	15.55447	0.3585362	0.19728595	2.9223930	21	8 19.5	19.9
381916 2010 CD_{44}	17.3	X	290.00595	62.72237	3.71473	3.98486	0.2772886	0.22928030	2.6437774	21	9 2.3	20.4
381917 2010 CE_{58}	16.5	X	295.81638	166.79029	294.59478	11.01997	0.2373150	0.23719339	2.5846456	21	11 6.4	19.2
381918 2010 CP_{61}	15.8	X	249.95315	149.13665	143.76019	9.76708	0.0604948	0.17736932	3.1372591	21	2 24.1	20.5
381919 2010 CB_{70}	17.4	X	243.54516	104.04827	340.49690	1.80387	0.1028083	0.22264438	2.6960517	21	8 20.9	21.2
381920 2010 CK_{76}	17.1	X	298.61594	261.76477	138.81182	2.29267	0.0101210	0.21786202	2.7353634	21	9 18.3	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
381921 2010 CT_{79}	16.1	X	116.93913	92.32054	342.75549	9.50384	0.0311671	0.18123008	3.0925438	21	3 14.8	20.5
381922 2010 CE_{85}	16.5	X	204.09595	106.28096	349.96187	8.56216	0.1221426	0.21006747	2.8026155	21	7 23.1	21.0
381923 2010 CE_{86}	16.5	X	104.26343	263.85131	309.50832	7.06049	0.1723026	0.21261972	2.7801423	21	9 7.7	20.8
381924 2010 CD_{107}	16.2	X	314.56908	124.10047	95.74700	1.96877	0.1388059	0.17573617	3.1566659	21	1 31.8	20.5
381925 2010 CT_{120}	16.2	X	236.35108	315.09490	118.77792	6.92697	0.1679730	0.21663627	2.7456716	21	7 21.8	20.4
381926 2010 CY_{134}	15.8	X	67.71556	55.27352	66.57192	16.77783	0.0911242	0.17016256	3.2252252	21	3 30.2	20.4
381927 2010 CY_{137}	16.6	X	201.85586	149.01395	306.99940	4.36203	0.0475756	0.21433594	2.7652817	21	7 22.4	20.6
381928 2010 CW_{143}	17.0	X	76.74034	115.12398	39.69949	2.73033	0.2220858	0.19028734	2.9936162	21	5 31.9	21.0
381929 2010 CF_{144}	16.4	X	318.91702	354.46454	91.53046	7.65585	0.2214234	0.23863632	2.5742162	21	12 14.5	18.2
381930 2010 CQ_{146}	16.8	X	164.77298	216.74672	313.11010	6.10360	0.2214891	0.21479147	2.7613706	21	9 10.5	21.7
381931 2010 CB_{147}	15.8	X	232.05775	137.59796	158.11654	10.10777	0.1076970	0.17286496	3.1915237	21	2 5.1	20.7
381932 2010 CV_{148}	16.7	X	232.32023	117.24059	327.01456	3.11394	0.0785529	0.21832896	2.7314620	21	8 9.9	20.6
381933 2010 CM_{150}	16.3	X	285.83489	266.60918	8.15750	9.64507	0.0535531	0.18178649	3.0862302	21	3 16.2	20.7
381934 2010 CA_{156}	16.7	X	211.50812	305.29701	124.08932	3.07320	0.0465235	0.20361420	2.8615236	21	6 28.8	20.8
381935 2010 CD_{157}	16.6	X	35.16903	87.56938	80.67034	2.17894	0.1102247	0.18239887	3.0793185	21	4 1.3	20.3
381936 2010 CM_{165}	16.3	X	36.96075	190.24668	16.15514	7.11408	0.0862980	0.19206807	2.9750842	21	5 19.2	20.0
381937 2010 CD_{173}	15.8	X	177.25411	30.01648	340.19529	9.74323	0.0477115	0.17772111	3.1331177	21	3 8.4	20.3
381938 2010 CY_{181}	16.9	X	228.53625	104.22964	310.53342	5.22306	0.0792194	0.20690734	2.8310799	21	6 27.5	21.0
381939 2010 CD_{182}	16.9	X	199.49636	307.39647	157.47284	8.86246	0.1185419	0.21145189	2.7903692	21	7 26.2	21.2
381940 2010 CN_{184}	16.5	X	262.60272	248.27788	150.81894	5.43520	0.0845801	0.21308290	2.7761120	21	7 16.9	20.3
381941 2010 CM_{203}	15.8	X	24.70193	237.49859	343.60195	8.98534	0.1104972	0.18173561	3.0868061	21	5 20.7	19.7
381942 2010 CH_{245}	16.7	X	351.00598	237.67934	101.97297	18.09782	0.2878441	0.24245153	2.5471397	21	10 5.5	18.9
381943 2010 CD_{250}	17.3	X	338.80986	61.93976	114.35590	3.02693	0.1560771	0.26174806	2.4203624	21	—	—
381944 2010 DN_{6}	16.5	X	339.76609	69.83038	172.24718	3.66012	0.0122293	0.18676794	3.0311063	21	4 17.1	20.5
381945 2010 DZ_{11}	15.6	X	173.04706	265.66771	119.76439	16.12603	0.0765547	0.17968021	3.1103019	21	3 30.7	20.6
381946 2010 DP_{20}	17.7	X	76.73362	168.19113	302.99327	24.62424	0.0689369	0.44078659	1.7099515	21	1 14.4	18.4
381947 2010 DK_{23}	16.1	X	56.14175	115.05954	55.44241	27.63593	0.1953319	0.17940649	3.1134647	21	5 17.9	19.7
381948 2010 DB_{27}	16.0	X	83.57301	87.33911	73.61088	16.69144	0.0730956	0.18136629	3.0909953	21	5 28.0	20.2
381949 2010 DS_{44}	17.2	X	189.33297	181.01848	300.81005	1.66998	0.1346060	0.20973176	2.8056053	21	8 6.8	21.5
381950 2010 DF_{56}	16.0	X	31.05959	114.91338	75.30014	12.27286	0.2926545	0.17720879	3.1391535	21	5 12.8	18.9
381951 2010 DK_{78}	15.8	X	131.01486	265.25472	269.20856	11.77066	0.1503641	0.21042005	2.7994838	21	8 12.4	20.4
381952 2010 EQ_{21}	16.0	X	267.39883	295.96865	349.25545	9.24932	0.0190945	0.17826852	3.1267004	21	3 10.5	20.4
381953 2010 EB_{40}	16.1	X	164.92236	262.68481	265.89901	7.62325	0.1787009	0.21438113	2.7648931	21	9 7.1	20.8
381954 2010 EK_{40}	17.1	X	237.78066	320.26171	185.44815	12.14460	0.2258724	0.22878087	2.6476236	21	10 18.2	21.0
381955 2010 EO_{45}	16.3	X	103.89549	337.49839	151.36563	10.18389	0.1747535	0.19141640	2.9818328	21	5 27.7	20.8
381956 2010 EE_{66}	16.4	X	183.91040	92.34116	357.66042	10.89290	0.0695580	0.19783748	2.9169590	21	6 23.1	21.0
381957 2010 EH_{69}	15.8	X	108.96549	290.21875	172.14491	11.93297	0.1145294	0.18182719	3.0857696	21	4 23.2	20.3
381958 2010 EV_{70}	16.1	X	142.79875	264.87573	201.32835	8.08221	0.1323071	0.19167790	2.9791202	21	6 3.4	20.8
381959 2010 EM_{72}	16.8	X	25.47190	13.34195	146.24031	1.73566	0.1177820	0.17754719	3.1351634	21	3 5.4	20.6
381960 2010 EV_{87}	16.7	X	260.16710	273.20038	181.82592	27.36446	0.3919636	0.22955825	2.6416429	21	8 13.8	21.4
381961 2010 EJ_{94}	16.9	X	95.69851	19.06731	154.84136	7.18476	0.1324353	0.19757707	2.9195215	21	7 6.3	21.1
381962 2010 EA_{95}	16.1	X	181.30659	304.17010	103.36550	4.01703	0.0760507	0.18954313	3.0014470	21	4 29.5	20.6
381963 2010 EG_{101}	16.0	X	230.78236	328.90952	5.91974	10.49743	0.0646608	0.18067714	3.0988502	21	3 24.3	20.7
381964 2010 EM_{105}	15.9	X	328.54331	309.65776	263.38569	3.41099	0.1213500	0.17351179	3.1835870	21	2 11.9	20.2
381965 2010 ER_{106}	15.7	X	286.90159	262.42434	0.88464	11.14910	0.0460924	0.17527645	3.1621831	21	3 6.1	20.3
381966 2010 EL_{110}	15.9	X	140.12666	260.38318	174.20457	18.95129	0.1181753	0.18585921	3.0409783	21	4 24.1	20.7
381967 2010 EL_{112}	16.6	X	80.83790	116.64942	48.70583	4.86250	0.1340241	0.18801400	3.0176990	21	6 6.7	20.6
381968 2010 EY_{113}	16.6	X	217.00046	92.76017	60.25272	13.47604	0.2091911	0.22337875	2.6901396	21	10 12.6	21.1
381969 2010 EY_{141}	16.4	X	29.44042	16.51754	156.10766	0.48846	0.1136246	0.18107610	3.0942968	21	3 28.0	19.9
381970 2010 EL_{142}	15.7	X	115.29989	189.05677	260.81263	3.95341	0.1111166	0.18214455	3.0821843	21	4 10.4	20.2
381971 2010 EV_{168}	17.6	X	303.99558	356.65166	79.68987	5.35637	0.1880483	0.24196294	2.5505674	21	10 31.5	20.0
381972 2010 EX_{171}	15.6	X	96.13556	19.82029	80.94230	10.33724	0.0484685	0.17984593	3.1083910	21	3 30.4	20.1
381973 2010 EB_{172}	15.9	X	223.08651	301.85606	125.91737	15.90828	0.1300305	0.20528239	2.8460002	21	7 3.9	20.5
381974 2010 FS_{18}	15.8	X	72.48575	80.21807	14.28722	12.72103	0.0912892	0.17591684	3.1545041	21	2 25.6	20.1
381975 2010 FT_{84}	16.6	X	64.38167	148.21602	30.03377	5.85964	0.1932556	0.18802150	3.0176187	21	6 9.4	20.4
381976 2010 FA_{86}	15.9	X	157.40873	34.01992	11.89051	18.30865	0.0943714	0.17910447	3.1169638	21	4 2.5	20.7
381977 2010 FR_{89}	17.1	X	191.71403	358.29775	153.00950	6.93481	0.2758401	0.21592740	2.7516776	21	9 10.4	22.0
381978 2010 FE_{98}	16.6	X	70.88179	128.83692	44.30089	8.94047	0.1533997	0.18855778	3.0118945	21	6 5.4	20.5
381979 2010 GY_{48}	16.5	X	194.91701	342.04177	151.15908	12.65806	0.1332843	0.22129213	2.7070238	21	8 27.5	20.6
381980 2010 GA_{75}	15.0	X	48.40958	293.04492	271.88003	20.33136	0.1832146	0.18831704	3.0144608	21	6 19.5	18.5
381981 2010 GF_{103}	16.4	X	25.26882	298.69727	252.08191	3.49932	0.1120732	0.18013101	3.1051105	21	4 12.7	20.2
381982 2010 GC_{136}	16.2	X	50.18531	19.36352	172.95610	5.81549	0.1640412	0.18415574	3.0597026	21	6 3.2	20.0
381983 2010 GP_{159}	16.7	X	184.00179	306.48911	183.07734	16.37322	0.2233486	0.21139901	2.7908345	21	8 6.8	21.7
381984 2010 GQ_{172}	15.9	X	64.78197	203.91765	131.52464	15.81197	0.0650778	0.22708726	2.6607713	21	12 18.6	19.8
381985 2010 GF_{173}	15.6	X	26.39258	20.48014	148.96507	10.99968	0.0262402	0.17698519	3.1417968	21	3 19.8	19.9
381986 2010 HZ_{19}	15.5	X	259.35249	218.81029	105.42047	17.30589	0.0728762	0.17611144	3.1521799	21	4 20.0	20.4
381987 2010 HZ_{21}	13.5	X	283.31833	127.20646	217.10810	26.51813	0.0881850	0.07991570	5.3380337	21	6 4.8	20.7
381988 2010 HL_{78}	15.7	X	86.77236	66.34936	53.63144	22.02960	0.1045391	0.17430861	3.1738775	21	4 21.3	20.2
381989 2010 HR_{80}	19.9	X	3.99848	291.33176	6.22508	26.71605	0.4958001	0.63011054	1.3474879	21	3 19.9*	19.4
381990 2010 HS_{102}	16.4	X	312.67759	167.34415	260.72306	12.44659	0.2827457	0.23784672	2.5799103	21	10 18.1	18.6
381991 2010 JZ_{154}	16.3	X	65.94003	313.00926	216.05439	8.30149	0.0904816	0.18306440	3.0718508	21	5 16.6	20.3
381992 2010 JU_{177}	15.3	X	178.73893	278.37006	139.13857	11.80055	0.0757642	0.18813766	3.0163766	21	5 11.6	20.1
381993 2010 KQ_{34}	16.9	X	189.05914	110.98707	92.78757	13.03166	0.2279001	0.22672414	2.6636115	21	11 15.2	21.5
381994 2010 KD_{98}	15.7	X	57.86701	72.27730	93.45724	15.77320	0.0210860	0.18786123	3.0193348	21	4 28.8	20.1
381995 2010 LO_{34}	15.3	X	111.05324	2.98892	110.79900	10.08974	0.0612921	0.17444531	3.1722191	21	5 4.8	20.0
381996 2010 LB_{35}	16.4	X	124.98517	136.84087	83.62796	5.84248	0.1039082	0.21456260	2.7633339	21	10 7.7	20.6
381997 2010 LS_{103}	15.5	X	71.69751	14.18649	142.57567	14.57762	0.0466333	0.18617604	3.0375273	21	5 6.9	19.9
381998 2010 LF_{108}	16.2	X	47.95333	32.90045	133.28308	5.93978	0.0092673	0.17060212	3.2196829	21	4 12.6	20.7
381999 2010 LO_{118}	16.9	X	190.52730	104.13191	42.55567	16.61635	0.2452581	0.21616185	2.7496875	21	9 13.1	22.0
382000 2010 MV_{110}	15.8	X	106.98852	25.56075	70.50737	14.71208	0.0759406	0.17891414	3.1191740	21	4 12.5	20.4

* The additional opposition: 12 17.0, $V = 22.3$

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382001 2010 OM_{15}	15.8	X	80.61240	14.30983	89.57494	20.38950	0.1285126	0.17223199	3.1993384	21	4 1.4	20.5
382002 2010 OK_{46}	16.4	X	80.75328	66.53672	53.70367	10.52104	0.1983676	0.17782190	3.1319337	21	4 22.6	20.6
382003 2010 OZ_{60}	15.9	X	355.76359	138.16629	64.49552	19.78874	0.0925617	0.17214335	3.2004365	21	3 27.0	20.4
382004 2010 RM_{64}	11.2	X	35.78251	291.28757	113.94073	27.03653	0.6889777	0.01125685	19.7177842	21	3 10.6	23.2
382005 2010 TO_{6}	17.8	X	69.94304	53.58286	217.79414	20.08835	0.0530040	0.35907132	1.9604190	21	10 16.6	19.8
382006 2010 UF_{52}	17.6	X	170.06108	322.31294	233.28098	19.45567	0.0450309	0.35790745	1.9646667	21	11 11.3	19.8
382007 2010 UD_{107}	17.3	X	131.71720	324.24751	286.78106	18.94833	0.0305517	0.36983353	1.9221998	21	12 15.3	19.4
382008 2010 XE_{83}	18.1	X	113.65580	163.47793	229.27046	2.92999	0.1579746	0.30078658	2.2061265	21	1 10.8	20.3
382009 2011 AW_{4}	17.9	X	121.86293	144.71896	282.86110	3.85141	0.0769124	0.30220994	2.1991940	21	2 26.9	20.3
382010 2011 AN_{20}	17.2	X	42.33181	4.40493	81.95924	7.71568	0.0582642	0.28541974	2.2846169	21	—	—
382011 2011 AQ_{47}	18.5	X	125.14258	164.98036	248.40335	2.07865	0.1252245	0.30224773	2.1990107	21	2 20.0	21.0
382012 2011 AC_{58}	18.1	X	121.21208	279.63211	147.40939	3.20168	0.0343752	0.30193569	2.2005255	21	2 20.3	20.5
382013 2011 AG_{65}	17.1	X	29.48319	357.93631	112.35503	5.93233	0.0387687	0.28679682	2.2772978	21	—	—
382014 2011 BQ_{11}	16.0	X	78.67086	174.89737	100.12202	13.29826	0.1956122	0.24333494	2.5409711	21	11 10.5	20.0
382015 2011 BV_{46}	17.2	X	139.11696	35.33948	267.59729	3.91387	0.1496981	0.26729904	2.3867364	21	—	—
382016 2011 BH_{53}	17.6	X	67.74667	78.76717	331.63045	4.13686	0.0329233	0.28094597	2.3088064	21	—	—
382017 2011 BK_{53}	17.5	X	258.51112	73.04302	117.67671	3.53728	0.1187907	0.26937710	2.3744458	21	—	—
382018 2011 BT_{53}	18.2	X	318.17019	47.88926	109.93219	2.13325	0.1227799	0.27769474	2.3267923	21	—	—
382019 2011 BM_{62}	17.6	X	256.15859	97.72557	102.85001	3.34510	0.1243220	0.26715979	2.3875656	21	—	—
382020 2011 BR_{62}	17.1	X	237.58566	77.20459	90.83999	7.20941	0.0715734	0.25909631	2.4368487	21	12 11.0	20.2
382021 2011 BN_{70}	17.3	X	277.93289	358.11495	151.26016	5.28207	0.0541689	0.26254440	2.4154657	21	—	—
382022 2011 BE_{74}	17.4	X	155.65284	67.58729	263.72507	3.45722	0.1353216	0.27766352	2.3269667	21	—	—
382023 2011 BX_{91}	16.1	X	318.76884	325.98345	301.10745	16.86292	0.1352339	0.20984058	2.8046353	21	3 21.8	20.1
382024 2011 BN_{102}	17.7	X	95.10805	301.07350	124.21268	7.26898	0.0822710	0.29471158	2.2363404	21	1 18.3	19.8
382025 2011 BG_{108}	17.2	X	50.30021	108.93447	183.62737	3.95090	0.1614877	0.23825956	2.5769293	21	10 21.2	20.5
382026 2011 BE_{125}	18.0	X	298.46632	278.33806	294.55871	1.34952	0.1622227	0.28686529	2.2769354	21	—	—
382027 2011 BT_{161}	17.7	X	243.08802	339.16469	310.62690	2.89304	0.0368107	0.29520279	2.2338589	21	1 24.2	20.5
382028 2011 CB_{11}	18.1	X	56.23965	100.76992	281.30777	1.20451	0.2083707	0.27489356	2.3425723	21	—	—
382029 2011 CJ_{17}	17.0	X	14.49017	82.34823	344.91781	6.85313	0.0897938	0.27100728	2.3649143	21	—	—
382030 2011 CP_{18}	17.6	X	11.63166	116.08289	357.74261	5.37831	0.1191506	0.28187530	2.3037289	21	—	—
382031 2011 CV_{22}	18.0	X	359.41009	288.42439	245.23220	3.66585	0.1056431	0.29141268	2.2531862	21	1 11.9	20.3
382032 2011 CW_{23}	17.9	X	240.69800	288.39801	259.85159	0.16895	0.1635298	0.26253126	2.4155463	21	12 28.4	20.8
382033 2011 CR_{24}	16.5	X	200.89374	146.49318	72.31790	7.56255	0.1238966	0.25909204	2.4368755	21	12 24.0	19.8
382034 2011 CJ_{27}	18.1	X	276.39747	21.86528	143.24693	1.59655	0.1294603	0.26696555	2.3887236	21	—	—
382035 2011 CF_{35}	17.6	X	345.79567	242.98346	286.12302	2.44700	0.0991396	0.28564170	2.2834332	21	—	—
382036 2011 CT_{47}	17.7	X	12.89817	235.58636	282.02144	5.58089	0.1086194	0.29008341	2.2600643	21	1 11.5	19.8
382037 2011 CD_{48}	17.9	X	22.59751	134.09289	355.73486	6.19487	0.1520806	0.28969019	2.2621090	21	—	—
382038 2011 CX_{60}	18.0	X	111.57196	60.75753	313.24906	3.22739	0.1697360	0.28370366	2.2938204	21	—	—
382039 2011 CX_{68}	17.7	X	13.07388	159.74589	354.00467	4.78842	0.1619759	0.28975256	2.2617844	21	—	—
382040 2011 CX_{80}	18.3	X	319.48496	264.23545	248.42740	0.59464	0.1304176	0.27403525	2.3474612	21	—	—
382041 2011 CF_{86}	17.3	X	209.67585	45.14673	173.87055	2.45375	0.1292780	0.26073768	2.4266111	21	—	—
382042 2011 CU_{91}	17.8	X	81.34012	178.25655	312.65989	3.59621	0.0864019	0.30224837	2.1990076	21	3 31.0	20.0
382043 2011 DU_{2}	17.6	X	345.27253	327.38829	131.16503	3.73288	0.1430624	0.27049764	2.3678838	21	—	—
382044 2011 DP_{5}	17.7	X	15.96078	300.46597	150.58599	4.72162	0.1737347	0.27593283	2.3366866	21	—	—
382045 2011 DB_{10}	17.5	X	252.19631	114.07254	59.92914	2.27815	0.1383464	0.25707533	2.4496034	21	12 28.3	20.4
382046 2011 DX_{10}	17.9	X	314.99932	306.81116	232.86175	1.37699	0.1638538	0.27684241	2.3315656	21	—	—
382047 2011 DB_{11}	17.5	X	13.64317	343.29387	174.68705	7.64800	0.1652906	0.28727661	2.2747615	21	1 5.8	19.8
382048 2011 DX_{11}	17.7	X	243.61951	213.02629	4.17089	2.26017	0.1485767	0.26428972	2.4048198	21	—	—
382049 2011 DW_{22}	16.5	X	14.89384	220.29645	145.35879	4.60655	0.1471516	0.24498990	2.5295150	21	12 5.9	19.4
382050 2011 DK_{25}	16.9	X	185.41519	327.56050	304.73256	6.45653	0.0962767	0.27308433	2.3529076	21	—	—
382051 2011 DG_{29}	17.3	X	108.54199	77.18665	161.00377	3.04195	0.1365604	0.23848946	2.5752729	21	10 15.6	21.1
382052 2011 DL_{30}	17.7	X	304.74384	173.57262	353.83216	1.18458	0.1271666	0.27123719	2.3635777	21	—	—
382053 2011 DW_{31}	18.3	X	5.38394	125.84916	355.66901	2.21335	0.1473793	0.27947507	2.3169003	21	—	—
382054 2011 EU_{2}	17.9	X	78.21193	246.90167	174.11251	8.58138	0.1406000	0.28651072	2.2788136	21	—	—
382055 2011 ES_{13}	17.8	X	316.55519	256.69227	258.89550	1.43456	0.1682505	0.27084048	2.3658852	21	—	—
382056 2011 ER_{15}	16.8	X	304.72102	195.37146	175.95190	10.17716	0.1317658	0.23203952	2.6227773	21	7 31.2	20.0
382057 2011 ES_{17}	17.0	X	328.57002	317.77245	264.99346	6.18742	0.1782237	0.28726829	2.2748055	21	1 23.0	19.8
382058 2011 EC_{18}	16.8	X	213.40911	213.61581	359.28671	11.30978	0.1116091	0.25679822	2.4513654	21	—	—
382059 2011 EQ_{22}	17.1	X	339.12634	37.44504	97.32425	4.53066	0.1165497	0.27354714	2.3502529	21	—	—
382060 2011 EJ_{24}	16.6	X	131.45034	259.19590	35.24833	6.53913	0.1126078	0.25520167	2.4615786	21	—	—
382061 2011 ED_{30}	17.8	X	29.83764	146.47689	29.83934	1.72567	0.1475436	0.29625923	2.2285452	21	3 11.5	19.3
382062 2011 EY_{33}	17.8	X	327.82162	199.30544	323.77192	3.12052	0.1027725	0.27709499	2.3301485	21	—	—
382063 2011 ES_{39}	15.9	X	216.74539	168.81275	117.04192	6.49289	0.1151217	0.17308510	3.1888170	21	1 11.3	20.9
382064 2011 ET_{39}	17.7	X	101.42541	346.62205	93.26960	3.08791	0.1189678	0.28792450	2.2713478	21	2 27.4	20.0
382065 2011 EG_{42}	16.7	X	68.39339	96.27373	143.44052	6.18955	0.1182368	0.22348095	2.6893194	21	8 27.3	20.1
382066 2011 EQ_{44}	15.9	X	351.39187	243.06516	10.19935	9.22025	0.0979836	0.20854643	2.8162263	21	5 6.2	19.3
382067 2011 EU_{53}	17.2	X	239.27442	152.96975	48.48855	6.23210	0.1593191	0.25742433	2.4473889	21	—	—
382068 2011 ET_{54}	17.1	X	318.74224	74.06973	84.80896	5.83923	0.1076447	0.27351018	2.3504646	21	—	—
382069 2011 ER_{63}	17.5	X	259.46767	200.11827	20.31869	3.47203	0.1751075	0.26900303	2.3766466	21	—	—
382070 2011 EL_{73}	16.6	X	342.60114	173.67682	79.46691	4.08233	0.1264821	0.20043536	2.8916995	21	4 23.9	20.0
382071 2011 EV_{75}	17.4	X	208.65183	205.29193	29.48916	1.71841	0.1389597	0.26039640	2.4287309	21	—	—
382072 2011 FD_{6}	17.3	X	310.96380	101.69032	47.72541	7.55219	0.1290054	0.26612321	2.3937615	21	—	—
382073 2011 FV_{15}	17.5	X	254.83097	232.16293	352.69482	1.11317	0.1380799	0.27233788	2.3572049	21	—	—
382074 2011 FY_{15}	17.3	X	200.57793	86.09496	93.19700	6.25326	0.1619259	0.24186819	2.5512335	21	10 31.7	21.3
382075 2011 FK_{16}	16.0	X	266.05979	224.81321	68.28609	9.30625	0.2258969	0.18436886	3.0573442	21	2 28.3	21.1
382076 2011 FA_{18}	17.3	X	237.94906	307.50160	267.50892	1.92007	0.1392142	0.26165307	2.4209482	21	—	—
382077 2011 FR_{27}	15.9	X	220.52557	54.87377	42.96541	22.44949	0.0512374	0.22612993	2.6682756	21	8 30.2	20.2
382078 2011 FH_{28}	15.5	X	326.75573	210.25205	64.75722	16.13434	0.1115069	0.20314004	2.8659748	21	5 2.3	19.2
382079 2011 FE_{33}	16.7	X	205.10181	341.97781	184.03989	13.42564	0.0660064	0.23920403	2.5701416	21	10 28.1	20.3
382080 2011 FL_{38}	17.1	X	341.10288	157.00005	159.54319	6.68884	0.0562437	0.21893241	2.7264404	21	7 21.6	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382081 2011 FV_{54}	17.5	X	261.89599	92.48042	97.35856	2.22590	0.1206813	0.26346448	2.4098389	21	—	—
382082 2011 FM_{79}	17.3	X	154.13805	56.96230	114.00284	4.24981	0.0730012	0.22968773	2.6406501	21	9 4.6	21.1
382083 2011 FV_{80}	18.1	X	261.73499	165.34482	27.40249	1.90273	0.1229468	0.26360539	2.4089800	21	—	—
382084 2011 FA_{84}	15.9	X	352.90630	101.59166	82.41962	11.62203	0.1307281	0.18502514	3.0501104	21	2 12.9	19.8
382085 2011 FU_{96}	17.6	X	229.98843	275.56459	231.25973	2.55920	0.0757342	0.24456242	2.5324618	21	10 30.5	21.0
382086 2011 FO_{127}	17.9	X	304.68058	59.38650	104.12844	7.46458	0.1324226	0.27082742	2.3659612	21	—	—
382087 2011 FC_{130}	17.9	X	5.35841	209.93500	280.59281	1.67575	0.1227667	0.27847228	2.3224591	21	—	—
382088 2011 FL_{142}	17.3	X	224.94911	30.87872	114.18310	5.64738	0.2254995	0.23982426	2.5657085	21	10 7.1	21.3
382089 2011 FU_{142}	16.3	X	284.32031	113.24064	171.78832	10.05901	0.0473680	0.19332845	2.9621397	21	3 25.9	20.5
382090 2011 FG_{151}	15.8	X	122.33912	185.10920	58.36660	34.15147	0.1522347	0.23280696	2.6170102	21	11 10.3	20.1
382091 2011 GU_{1}	16.7	X	316.36007	44.60912	272.25447	5.22442	0.0263145	0.21264483	2.7799234	21	6 18.9	20.3
382092 2011 GL_{5}	15.6	X	330.25850	204.46733	128.84746	15.69978	0.2022551	0.22026805	2.7154077	21	7 14.3	18.4
382093 2011 GE_{34}	17.2	X	98.65475	27.62400	207.57727	13.64329	0.0722235	0.22714932	2.6602866	21	9 19.1	21.1
382094 2011 GA_{37}	16.7	X	60.30541	343.45184	279.89768	4.17529	0.1219896	0.22163912	2.7041977	21	9 14.6	20.2
382095 2011 GQ_{42}	16.7	X	335.74143	214.59066	146.11470	5.13910	0.1928262	0.23696357	2.5863165	21	9 12.7	18.9
382096 2011 GT_{49}	16.8	X	290.96694	4.37728	22.51516	5.26704	0.0476794	0.22310020	2.6923782	21	8 17.4	20.3
382097 2011 GN_{50}	15.9	X	102.53412	195.39501	192.21212	27.81027	0.1466372	0.17730517	3.1380158	21	1 13.3	20.8
382098 2011 GT_{58}	17.0	X	151.18987	207.16992	51.95558	4.87935	0.0543330	0.24578858	2.5240323	21	12 22.8	20.5
382099 2011 GA_{63}	16.6	X	180.33587	204.06612	10.14913	7.65263	0.1592987	0.24064740	2.5598544	21	11 19.9	20.8
382100 2011 GA_{66}	16.7	X	124.72420	171.34399	121.95330	4.98586	0.2230592	0.24648400	2.5192826	21	—	—
382101 2011 GY_{66}	16.7	X	122.10397	185.64062	55.81815	15.36665	0.1973446	0.23282146	2.6169015	21	11 5.5	21.0
382102 2011 GJ_{67}	17.0	X	185.71571	189.13150	13.00937	6.38711	0.1716262	0.24151656	2.5537092	21	11 10.1	21.2
382103 2011 GQ_{69}	17.7	X	275.99639	139.38433	39.25024	5.60683	0.1570654	0.26109812	2.4243773	21	—	—
382104 2011 GG_{70}	16.5	X	98.83017	216.73813	86.12949	16.08125	0.0682145	0.24259305	2.5461490	21	12 18.9	20.1
382105 2011 GO_{72}	16.4	X	254.13998	183.68757	75.22602	3.61857	0.1605176	0.17310615	3.1885584	21	1 12.5	21.5
382106 2011 GQ_{76}	15.6	X	215.05880	232.50712	67.10377	13.91310	0.1690535	0.17378053	3.1803040	21	1 27.4	21.0
382107 2011 HA	16.7	X	83.27043	154.49103	70.60565	9.11493	0.1151736	0.22451970	2.6810181	21	8 31.1	20.5
382108 2011 HO_{3}	17.2	X	216.08822	89.57640	65.89200	14.85722	0.1050199	0.23911956	2.5707469	21	10 26.3	21.0
382109 2011 HB_{15}	16.7	X	270.12633	355.52666	53.96523	7.36143	0.0694680	0.22261005	2.6963290	21	8 16.7	20.4
382110 2011 HJ_{15}	17.1	X	284.97339	59.46551	88.81069	6.08383	0.1272917	0.25577418	2.4579040	21	—	—
382111 2011 HD_{17}	16.6	X	293.51439	22.89403	45.65185	10.91109	0.0795665	0.23509834	2.5999780	21	10 15.3	19.7
382112 2011 HV_{27}	16.1	X	80.57114	199.92137	81.93192	10.74861	0.1700016	0.22749449	2.6575950	21	11 13.6	20.1
382113 2011 HG_{28}	15.5	X	308.12900	144.48009	84.27198	19.04011	0.1981614	0.18065059	3.0991538	21	1 27.2	20.1
382114 2011 HU_{32}	16.1	X	222.62156	205.74851	127.86869	6.55838	0.1456973	0.18023577	3.1039072	21	3 12.7	21.1
382115 2011 HG_{33}	16.0	X	328.68395	351.46685	49.45479	30.12820	0.1418063	0.23518076	2.5993706	21	11 3.3	18.7
382116 2011 HV_{36}	16.7	X	220.96710	300.00519	129.33661	7.15596	0.0159889	0.21255829	2.7806779	21	7 13.0	20.6
382117 2011 HN_{56}	17.4	X	222.02323	114.35956	70.34576	15.23375	0.1297971	0.24494660	2.5298131	21	12 1.8	21.0
382118 2011 HX_{56}	16.3	X	314.13576	304.97588	99.61908	15.45970	0.1246817	0.22905686	2.6454964	21	10 16.0	19.6
382119 2011 HN_{69}	18.0	X	340.32679	102.17760	26.82774	2.68276	0.1606745	0.26814678	2.3817033	21	—	—
382120 2011 HR_{74}	15.4	X	277.76745	151.67258	117.96554	14.15181	0.0871086	0.17969844	3.1100916	21	2 26.2	20.0
382121 2011 HG_{77}	15.4	X	203.99640	265.26395	84.66096	27.37872	0.1584879	0.18101700	3.0949702	21	3 27.9	21.0
382122 2011 HD_{80}	16.7	X	236.28688	283.31227	173.28502	6.57804	0.0145523	0.22113196	2.7083308	21	9 8.1	20.3
382123 2011 HX_{81}	16.5	X	188.73372	117.44995	78.95848	9.72285	0.1038396	0.23875047	2.5733956	21	11 13.7	20.3
382124 2011 HO_{84}	16.5	X	94.76596	147.10488	58.83425	4.57321	0.0340338	0.21464947	2.7625883	21	8 4.8	20.2
382125 2011 HE_{91}	16.7	X	248.91620	317.44266	107.96845	4.33485	0.0630424	0.21706828	2.7420275	21	8 7.9	20.4
382126 2011 HP_{92}	17.7	X	194.52420	350.36630	163.82459	2.18838	0.1345140	0.23315378	2.6144143	21	9 23.4	21.5
382127 2011 HR_{95}	17.1	X	293.93055	276.09313	170.03206	4.65293	0.0760091	0.24384091	2.5374549	21	11 9.2	20.1
382128 2011 HX_{100}	15.6	X	359.99880	144.04836	67.48220	16.17586	0.1891500	0.18974100	2.9993600	21	4 2.2	19.1
382129 2011 JV_{24}	16.5	X	255.81422	253.84588	211.42400	11.05419	0.1625003	0.23361934	2.6109398	21	9 22.2	20.3
382130 2011 JR_{27}	15.8	X	312.77069	177.79496	78.41803	12.53263	0.0388173	0.18853442	3.0121433	21	4 2.6	20.1
382131 2011 JS_{30}	15.9	X	248.70736	267.53656	82.96215	5.08752	0.0650069	0.19200563	2.9757292	21	5 2.8	20.2
382132 2011 KN_{6}	17.3	X	149.06387	144.58854	62.14091	3.56277	0.0869773	0.22876002	2.6477845	21	10 14.7	21.1
382133 2011 KP_{7}	15.7	X	278.08410	188.18240	63.03820	16.58067	0.2188024	0.17462844	3.1700010	21	1 21.9	20.9
382134 2011 KM_{12}	16.3	X	213.60392	50.97103	113.10750	22.76576	0.1231760	0.23294517	2.6159750	21	11 5.8	20.7
382135 2011 KJ_{14}	15.9	X	194.85742	322.90652	73.38841	6.37806	0.0709118	0.19150253	2.9809387	21	4 30.0	20.4
382136 2011 KN_{21}	15.9	X	212.58988	323.86733	230.93034	16.30467	0.1050006	0.24111166	2.5565673	21	12 5.9	19.5
382137 2011 KY_{24}	16.9	X	93.90736	125.88201	106.04110	6.07028	0.1046174	0.21853534	2.7297420	21	9 18.3	20.8
382138 2011 KC_{25}	16.2	X	337.03322	142.51752	69.54223	6.18932	0.0816890	0.18166314	3.0876270	21	3 2.5	20.3
382139 2011 KS_{27}	16.8	X	191.77938	165.52531	34.48938	6.87460	0.1285604	0.23776889	2.5804733	21	11 16.4	20.7
382140 2011 KS_{29}	15.9	X	292.32051	156.13704	69.37849	13.36408	0.1192068	0.17259586	3.1948402	21	1 16.7	20.7
382141 2011 KE_{30}	16.2	X	66.45196	333.31376	251.55206	11.23008	0.1677097	0.20943718	2.8082355	21	8 6.3	20.1
382142 2011 KE_{37}	16.2	X	100.66007	119.71451	90.70658	6.58459	0.0352059	0.21446107	2.7642060	21	8 19.3	20.0
382143 2011 KS_{44}	16.2	X	287.31956	23.03400	226.43008	11.48925	0.0886546	0.17746822	3.1360934	21	2 5.8	20.9
382144 2011 KX_{44}	17.4	X	212.08448	93.72893	79.16899	3.86807	0.1529983	0.23863019	2.5742603	21	11 3.4	21.1
382145 2011 LX_{7}	16.2	X	186.33615	31.57663	84.88440	10.43049	0.1143758	0.21503806	2.7592592	21	7 30.5	20.5
382146 2011 LT_{21}	16.2	X	287.27023	145.06417	80.56505	4.45868	0.1392986	0.17337000	3.1853225	21	1 7.8	20.8
382147 2011 LU_{22}	16.2	X	259.74460	57.94305	243.58451	9.70798	0.0751016	0.18079419	3.0975126	21	3 10.1	20.9
382148 2011 MC_{3}	15.4	X	85.70063	287.48355	289.91361	13.77766	0.1027297	0.20255091	2.8715293	21	8 11.9	19.6
382149 2011 MB_{5}	16.4	X	137.02594	60.11970	157.26562	10.49557	0.0846576	0.22513014	2.6761695	21	10 16.5	20.5
382150 2011 QN_{3}	14.2	X	315.02785	123.56121	179.09552	10.75252	0.1431661	0.08330540	5.1922302	21	5 23.0	20.8
382151 2011 QJ_{95}	12.9	X	320.11346	12.85583	301.65471	26.93914	0.1278588	0.08280739	5.2130271	21	6 15.8	19.6
382152 2011 UW_{404}	15.3	X	324.15796	355.47623	306.46884	12.79822	0.0469542	0.16921896	3.2372038	21	6 8.7	19.8
382153 2012 EX_{14}	17.4	X	249.25950	79.70446	44.07559	22.56312	0.0815305	0.37671153	1.8987310	21	11 15.3	18.8
382154 2012 FV_{60}	17.5	X	141.41695	193.29596	111.67591	7.37237	0.2430390	0.27695593	2.3309284	21	—	—
382155 2012 FM_{67}	17.0	X	133.25038	149.81342	151.55908	6.69949	0.2399866	0.27122488	2.3636493	21	—	—
382156 2012 FD_{74}	16.3	X	287.53479	91.85685	203.29194	19.28948	0.2105025	0.20976665	2.8052942	21	3 14.6	20.7
382157 2012 GS_{18}	17.5	X	270.67695	155.09740	84.77640	6.97895	0.2025479	0.30190356	2.2006817	21	—	—
382158 2012 GK_{33}	18.3	X	252.58143	155.37174	108.72204	1.30371	0.1383011	0.30175314	2.2014130	21	—	—
382159 2012 HX_{2}	17.6	X	252.72889	266.97454	240.14889	20.08748	0.1009316	0.37963570	1.8889684	21	12 27.9	19.2
382160 2012 HV_{39}	17.5	X	168.99721	156.97998	92.02409	4.96999	0.2168712	0.27090639	2.3655014	21	12 24.9	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382161 2012 HM_{41}	16.4	X	318.41281	193.81541	133.81245	13.23779	0.1818967	0.22498312	2.6773353	21	6 16.9	19.6
382162 2012 HP_{42}	18.1	X	256.68622	107.20433	174.21674	6.49037	0.1224692	0.30804900	2.1713151	21	1 21.1	21.2
382163 2012 HZ_{47}	17.9	X	238.71702	127.20667	117.01877	4.68932	0.1076807	0.29063699	2.2571935	21	—	—
382164 2012 HX_{49}	17.9	X	158.11971	354.98664	189.48081	22.21398	0.0431112	0.36168515	1.9509625	21	10 10.9	19.9
382165 2012 HT_{63}	16.8	X	24.23044	259.39861	70.98722	5.81552	0.3190377	0.24357248	2.5393188	21	11 29.7	19.7
382166 2012 HY_{64}	17.8	X	254.09755	159.36203	119.09224	3.39354	0.1451767	0.30326879	2.1940721	21	1 15.7	21.1
382167 2012 HQ_{73}	17.7	X	212.70843	283.17475	213.16486	20.57762	0.0661238	0.35918781	1.9599951	21	10 8.6	19.9
382168 2012 HP_{79}	15.9	X	155.46911	257.83419	57.14636	26.41235	0.2177393	0.17021939	3.2245073	21	—	—
382169 2012 JU_{13}	18.2	X	232.31672	247.71587	89.02704	1.62509	0.0997921	0.31452676	2.1413992	21	3 11.2	21.0
382170 2012 JB_{20}	17.8	X	234.57419	110.05414	162.99342	4.70260	0.1850684	0.29494955	2.2351374	21	—	—
382171 2012 JB_{24}	18.2	X	351.82260	12.02043	190.13962	6.62834	0.0680891	0.31129932	2.1561746	21	2 9.5	20.5
382172 2012 JX_{24}	18.0	X	286.59589	232.59313	63.66097	3.18045	0.1303321	0.31872789	2.1225406	21	3 16.2	20.7
382173 2012 JC_{25}	18.0	X	239.13111	48.59444	201.52793	5.92082	0.1934076	0.28999809	2.2605075	21	—	—
382174 2012 JJ_{25}	17.4	X	231.09559	150.92330	196.59083	3.92009	0.0698914	0.31638498	2.1330063	21	3 24.1	20.1
382175 2012 JK_{25}	17.6	X	235.48202	301.76036	48.04800	3.89642	0.0868646	0.31848168	2.1236344	21	4 2.4	20.3
382176 2012 JR_{25}	17.1	X	56.78387	196.15730	72.66062	6.41846	0.2518051	0.23758921	2.5817741	21	10 14.1	20.6
382177 2012 JK_{33}	16.2	X	31.46666	208.66609	111.82673	7.36375	0.2647503	0.24162936	2.5529144	21	11 19.7	19.3
382178 2012 JH_{43}	17.5	X	167.95271	268.03471	28.89083	5.74943	0.2168920	0.27948289	2.3168570	21	—	—
382179 2012 JQ_{45}	16.6	X	316.69840	277.97663	71.38611	11.24966	0.2997743	0.22507841	2.6765796	21	6 23.1	19.4
382180 2012 JG_{48}	17.9	X	34.22188	257.64259	55.46692	4.69242	0.2307470	0.24406227	2.5359204	21	11 6.9	20.8
382181 2012 KW_{4}	16.5	X	175.85449	192.48647	123.62241	25.10242	0.1973161	0.28725896	2.2748547	21	—	—
382182 2012 KX_{8}	17.4	X	84.13185	243.50971	97.39891	6.70073	0.1800050	0.26513625	2.3996983	21	—	—
382183 2012 KG_{13}	16.9	X	340.72116	234.05333	88.58966	7.52770	0.2379029	0.22760524	2.6567328	21	7 19.5	19.0
382184 2012 KU_{17}	17.0	X	45.88910	118.72671	184.56926	4.34663	0.2982451	0.24107162	2.5568504	21	11 19.5	20.5
382185 2012 KF_{18}	17.7	X	338.46026	248.04534	230.43926	22.63510	0.1368182	0.39228645	1.8481357	21	—	—
382186 2012 KX_{26}	18.1	X	262.53379	107.61847	174.68045	3.24688	0.1298092	0.30686131	2.1769141	21	1 28.6	21.1
382187 2012 KV_{31}	18.0	X	212.59104	222.30761	101.01756	2.70694	0.0999011	0.30544140	2.1836555	21	1 31.7	20.9
382188 2012 KL_{34}	17.0	X	267.22004	271.19593	76.58395	8.63381	0.2350980	0.21355932	2.7719817	21	4 30.4	21.3
382189 2012 KA_{43}	17.3	X	69.63279	247.79917	71.06252	8.95962	0.2359325	0.25232060	2.4802811	21	12 25.7	21.1
382190 2012 KJ_{46}	16.7	X	339.38843	147.39325	125.59218	5.77858	0.2728431	0.21571795	2.7534584	21	4 24.9	19.5
382191 2012 KS_{50}	15.9	X	195.25938	71.45734	242.18683	23.93405	0.3465813	0.17649469	3.1476151	21	1 19.6	22.1
382192 2012 LZ_{9}	16.2	X	61.65540	156.89679	137.34170	16.69313	0.1606240	0.23723587	2.5843370	21	11 11.8	20.1
382193 2012 LC_{15}	17.4	X	289.37110	44.18984	57.66617	23.65751	0.0951177	0.37105154	1.9179909	21	12 22.7	19.0
382194 2012 LK_{21}	17.4	X	112.08765	264.43309	81.66496	7.21106	0.1378660	0.27795541	2.3253373	21	—	—
382195 2012 LY_{22}	16.5	X	359.15811	224.40543	92.73239	15.63489	0.1887414	0.23284733	2.6167077	21	9 5.0	19.3
382196 2012 MN_{7}	15.9	X	36.57628	137.92997	205.83711	14.48859	0.2709476	0.24484333	2.5305244	21	12 24.6	19.6
382197 2012 OO_{2}	16.0	X	83.64944	301.51003	317.62609	11.65973	0.1520029	0.23135751	2.6279291	21	10 9.3	20.1
382198 2012 OC_{3}	16.8	X	77.05923	356.40097	284.17921	4.99075	0.1030131	0.23923403	2.5699267	21	10 28.1	20.4
382199 2012 OC_{5}	16.0	X	221.74710	103.84617	244.79716	7.61348	0.0756305	0.18484861	3.0520520	21	3 27.0	20.7
382200 2012 OO_{5}	15.8	X	113.10601	338.22989	268.35620	13.16790	0.1117650	0.23234485	2.6204790	21	10 22.9	20.1
382201 2012 OY_{5}	16.3	X	64.98219	279.14476	50.80962	15.17818	0.1407951	0.24596932	2.5227957	21	12 22.3	20.0
382202 2012 PB_{3}	16.9	X	341.77015	356.84850	313.86444	3.03690	0.0881453	0.20851201	2.8165362	21	7 13.9	20.3
382203 2012 PC_{8}	15.4	X	226.24978	29.16505	264.12231	11.81408	0.0181316	0.16959834	3.2323743	21	1 29.2	20.2
382204 2012 PF_{8}	15.7	X	206.54796	73.68911	275.53460	12.73476	0.0682612	0.17960742	3.1111423	21	3 8.9	20.7
382205 2012 PS_{11}	15.3	X	19.25090	234.43037	308.03299	8.77483	0.0476522	0.17833100	3.1259701	21	3 19.9	19.6
382206 2012 PH_{13}	16.1	X	248.82018	31.61869	288.85908	4.60498	0.0953584	0.18194176	3.0844741	21	3 21.1	20.8
382207 2012 PY_{14}	15.6	X	180.11746	226.07368	172.78774	14.56647	0.0935651	0.18213663	3.0822736	21	4 19.8	20.4
382208 2012 PA_{16}	15.9	X	169.29262	177.21374	291.31208	7.90601	0.0152716	0.20680958	2.8319720	21	6 28.9	19.8
382209 2012 PQ_{21}	16.0	X	118.97082	120.11543	311.52137	17.56599	0.1942618	0.17377917	3.1803207	21	3 26.2	21.2
382210 2012 PY_{22}	16.2	X	263.73836	10.25022	311.91239	9.75181	0.0979212	0.19134517	2.9825728	21	4 4.4	20.8
382211 2012 PQ_{25}	17.2	X	207.98242	308.29459	313.48215	3.33715	0.1487395	0.26658585	2.3909913	21	—	—
382212 2012 PK_{26}	15.5	X	233.47324	24.74128	272.38185	8.35602	0.0695569	0.17528557	3.1620733	21	2 7.8	20.3
382213 2012 PM_{33}	16.3	X	40.15515	3.59533	277.88242	5.83692	0.0237932	0.22177587	2.7030860	21	8 26.8	19.9
382214 2012 PE_{35}	16.7	X	43.34332	273.68321	38.03935	4.76124	0.1582249	0.23001454	2.6381482	21	11 3.4	19.9
382215 2012 PN_{36}	16.1	X	241.08663	71.84941	222.86683	4.33651	0.1157968	0.17684008	3.1435154	21	2 10.8	21.1
382216 2012 PO_{38}	16.5	X	58.31239	300.99420	299.37067	7.94736	0.1051883	0.21679317	2.7443468	21	8 9.7	20.0
382217 2012 PC_{42}	17.1	X	37.16475	320.58829	316.53629	1.77282	0.1258406	0.22026713	2.7154153	21	9 1.7	20.4
382218 2012 QY_{19}	15.7	X	60.62484	194.03415	339.03145	7.98219	0.0201209	0.18817907	3.0159340	21	5 1.1	20.0
382219 2012 QE_{21}	15.7	X	24.34008	15.10210	201.55498	10.89498	0.0847875	0.19250458	2.9705851	21	5 16.0	19.4
382220 2012 QE_{30}	15.9	X	55.44893	251.46891	264.87335	7.30138	0.0115906	0.18089088	3.0964086	21	4 2.9	20.4
382221 2012 QD_{44}	16.8	X	325.94183	211.68634	123.69235	1.48538	0.0776431	0.21417925	2.7666302	21	7 23.3	20.2
382222 2012 QV_{47}	17.4	X	58.43877	234.99385	88.08114	1.44071	0.1045078	0.23817003	2.5775750	21	12 1.2	20.9
382223 2012 QV_{50}	15.8	X	70.43583	317.65497	289.43829	12.27171	0.0676354	0.21713614	2.7414562	21	8 25.6	19.6
382224 2012 QZ_{51}	13.4	X	285.54369	351.97035	332.34642	24.50409	0.1144177	0.08353163	5.1828513	21	5 2.6	20.6
382225 2012 RN_{5}	16.1	X	289.53274	238.93696	170.09043	6.72283	0.0083585	0.21886410	2.7270077	21	9 17.1	19.7
382226 2012 RL_{10}	16.2	X	48.92974	24.55737	294.57195	11.98539	0.1175847	0.22952657	2.6418860	21	11 11.0	20.0
382227 2012 RA_{12}	15.8	X	283.16508	2.45250	300.00955	8.36643	0.0947992	0.18545162	3.0454323	21	4 4.2	20.4
382228 2012 RL_{13}	16.1	X	90.59839	121.63525	123.87014	5.72032	0.0590311	0.21886332	2.7270142	21	9 25.5	19.9
382229 2012 RW_{13}	15.8	X	261.46930	295.82387	17.81332	18.31653	0.1538128	0.18154570	3.0889585	21	3 26.0	20.6
382230 2012 RN_{18}	15.9	X	298.31862	17.39139	240.03756	2.74337	0.1634814	0.17568561	3.1572715	21	2 21.3	20.5
382231 2012 RH_{26}	16.7	X	289.07059	281.52873	91.53172	3.05459	0.1206591	0.20823099	2.8190697	21	7 12.8	20.4
382232 2012 RZ_{27}	15.4	X	259.38228	358.47938	311.37401	10.20895	0.0759635	0.18226124	3.0808686	21	3 19.2	20.1
382233 2012 RY_{28}	16.8	X	326.11718	325.50616	25.49717	4.25678	0.1127326	0.21421513	2.7663213	21	8 13.4	20.1
382234 2012 RE_{29}	15.8	X	240.43131	342.94403	335.89765	8.50675	0.0972855	0.17975001	3.1094967	21	3 11.5	20.6
382235 2012 RU_{30}	15.4	X	167.32391	115.16931	273.10756	13.06062	0.0414714	0.17708157	3.1406567	21	3 12.7	20.3
382236 2012 SM_{2}	16.1	X	193.57919	92.05990	270.53900	2.83586	0.0669680	0.17526383	3.1623348	21	3 17.0	20.8
382237 2012 SA_{4}	16.2	X	18.40149	161.46070	125.54625	2.94562	0.0602247	0.20460558	2.8522729	21	8 8.4	19.7
382238 Euphemus	13.3	X	287.84582	28.62326	306.77246	12.44618	0.0717918	0.08506151	5.1205192	21	6 2.2	20.2
382239 2012 SR_{12}	16.2	X	139.40829	192.20989	20.40163	5.24505	0.0490239	0.21935910	2.7229037	21	10 8.3	20.1
382240 2012 SQ_{20}	15.2	X	114.06162	165.11088	260.42371	6.84550	0.0503164	0.16899519	3.2400607	21	3 2.0	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382241 2012 SR_{28}	16.6	X	253.34814	251.76756	184.75038	8.83709	0.1078712	0.20601447	2.8392539	21	8 18.5	20.7
382242 2012 SP_{34}	16.3	X	249.02225	32.29953	352.21226	4.69314	0.0606351	0.19636804	2.9314929	21	6 14.3	20.6
382243 2012 SV_{39}	15.9	X	20.33670	235.57388	323.69757	3.88270	0.0848908	0.18084452	3.0969378	21	4 14.6	19.9
382244 2012 SM_{40}	16.0	X	225.89289	47.91373	222.94395	3.93454	0.0746385	0.15701504	3.4028427	21	1 6.1	21.1
382245 2012 SU_{51}	16.0	X	184.68630	212.10357	192.33678	16.13814	0.0799299	0.18221835	3.0813519	21	4 30.0	20.7
382246 2012 SZ_{59}	16.2	X	241.65356	114.49279	171.23086	3.78048	0.1228859	0.16940962	3.2347745	21	2 2.6	21.3
382247 2012 TV_{3}	15.8	X	234.64075	133.51293	209.17365	11.36707	0.0369526	0.18492196	3.0512449	21	4 7.7	20.1
382248 2012 TY_{4}	14.0	X	304.59399	286.38719	40.08120	4.73305	0.0848360	0.08357668	5.1809885	21	6 11.1	20.7
382249 2012 TO_{6}	15.9	X	209.54881	47.21111	74.97395	4.75215	0.0468502	0.20994575	2.8036986	21	9 6.1	19.9
382250 2012 TL_{16}	15.5	X	116.31862	267.99466	192.11353	8.62125	0.0604812	0.17247476	3.1963354	21	4 21.1	20.0
382251 2012 TJ_{25}	13.7	X	264.12020	180.03301	183.98288	12.74701	0.1256664	0.08179437	5.2559807	21	6 3.5	20.9
382252 2012 TE_{26}	15.8	X	220.53432	240.30601	76.55746	6.59521	0.0865644	0.16774807	3.2560997	21	2 23.6	20.9
382253 2012 TK_{26}	13.7	X	287.11473	286.69542	64.74278	23.68973	0.0939695	0.08041504	5.3159131	21	6 15.5	20.7
382254 2012 TV_{26}	15.6	X	9.24183	235.58920	54.02134	6.83474	0.0206540	0.20306120	2.8667165	21	7 29.0	19.5
382255 2012 TC_{35}	13.5	X	319.38258	330.66059	341.40745	14.01006	0.0925614	0.08364809	5.1780395	21	6 12.1	20.2
382256 2012 TU_{53}	16.6	X	3.58670	316.24116	8.58299	1.22830	0.0263116	0.21119631	2.7926199	21	9 5.3	20.1
382257 2012 TK_{59}	15.9	X	133.16075	45.13987	340.19045	8.38822	0.0991618	0.15664016	3.4082699	21	2 16.4	20.8
382258 2012 TH_{67}	15.5	X	349.02530	328.87929	251.16551	5.34404	0.0508892	0.16819864	3.2502821	21	3 28.5	19.9
382259 2012 TR_{79}	13.9	X	314.16326	14.29383	315.99307	6.42389	0.0750285	0.08205637	5.2447867	21	6 29.6	20.6
382260 2012 TP_{91}	15.7	X	47.67666	310.92680	70.54594	3.93885	0.0732043	0.13088091	3.8419513	21	—	—
382261 2012 TQ_{94}	15.5	X	109.02640	209.81414	291.49008	10.65558	0.0295264	0.18105972	3.0944834	21	5 27.1	19.9
382262 2012 TC_{114}	15.2	X	7.09320	344.93104	236.92768	9.99143	0.1682097	0.18085630	3.0968033	21	4 21.9	18.7
382263 2012 TM_{119}	15.9	X	228.89781	358.29680	348.59734	8.85031	0.0768780	0.17522616	3.1627880	21	4 3.0	20.8
382264 2012 TO_{124}	14.4	X	289.52957	62.20009	298.89511	2.52399	0.0618596	0.08318356	5.1972993	21	7 6.1	21.1
382265 2012 TF_{133}	13.6	X	262.28645	188.85161	177.70519	20.02275	0.0965714	0.08222361	5.2376726	21	6 8.1	20.9
382266 2012 TX_{134}	16.4	X	201.55223	165.18656	34.40919	15.03637	0.1248331	0.23619727	2.5919073	21	11 23.9	20.3
382267 2012 TT_{135}	16.6	X	55.76395	154.12110	127.36674	5.20129	0.0327804	0.21547542	2.7555242	21	9 22.8	20.3
382268 2012 TN_{147}	16.0	X	94.15970	21.10468	260.63810	9.82815	0.0788422	0.22937515	2.6430485	21	11 15.1	19.8
382269 2012 TC_{160}	17.2	X	253.70426	17.70181	125.85289	3.22788	0.1427877	0.22753458	2.6572828	21	11 14.3	20.6
382270 2012 TA_{174}	16.0	X	19.41898	215.15075	357.91266	9.90665	0.0551523	0.18078825	3.0975803	21	4 28.8	20.1
382271 2012 TM_{180}	16.2	X	25.16984	309.42623	265.90593	6.94614	0.1706766	0.18444167	3.0565395	21	5 19.4	19.5
382272 2012 TT_{181}	16.4	X	349.61809	357.73691	223.00060	9.76571	0.1547213	0.17537393	3.1610112	21	3 19.4	20.2
382273 2012 TQ_{197}	15.2	X	237.74897	65.49293	258.70100	15.21733	0.2024242	0.17262156	3.1945231	21	3 3.5	20.8
382274 2012 TE_{202}	16.3	X	116.24282	62.42994	44.96903	3.43000	0.0917527	0.17579125	3.1560065	21	5 2.9	20.9
382275 2012 TS_{204}	16.1	X	79.35234	327.19346	166.87758	9.95009	0.0665568	0.17322541	3.1870949	21	4 19.5	20.5
382276 2012 TO_{211}	16.4	X	121.83821	311.29816	282.28392	3.84567	0.1093416	0.21940241	2.7225454	21	10 16.7	20.6
382277 2012 TK_{218}	16.4	X	279.47420	44.81040	221.72467	0.40361	0.1286065	0.17069599	3.2185024	21	2 17.5	21.1
382278 2012 TL_{221}	15.8	X	119.42205	102.61685	15.95481	11.71741	0.0410071	0.18212914	3.0823581	21	5 10.5	20.3
382279 2012 TY_{225}	15.7	X	124.30741	83.58649	32.35221	11.21787	0.0432962	0.18019861	3.1043338	21	5 14.8	20.3
382280 2012 TW_{255}	16.6	X	111.52721	97.97188	157.24010	6.26344	0.0258566	0.22676776	2.6632699	21	10 30.5	20.3
382281 2012 TC_{277}	15.6	X	315.25760	22.69626	231.33923	9.75137	0.1671298	0.17614566	3.1517717	21	3 6.7	20.1
382282 2012 TL_{291}	16.0	X	190.08831	238.79261	185.45446	8.00113	0.0853743	0.19576778	2.9374822	21	5 29.0	20.5
382283 2012 TJ_{297}	16.8	X	327.41902	289.74460	338.18119	6.30925	0.1004892	0.28904144	2.2654926	21	4 7.3	19.2
382284 2012 TN_{298}	16.4	X	77.52549	351.87735	182.24821	3.20221	0.0534412	0.18209786	3.0827110	21	6 2.7	20.7
382285 2012 TU_{305}	16.6	X	1.76568	83.74574	231.35618	6.13594	0.1160326	0.21055945	2.7982481	21	8 20.8	19.9
382286 2012 TE_{317}	14.9	X	229.65723	201.22575	129.06306	13.84192	0.1446794	0.17063283	3.2192966	21	3 18.1	20.2
382287 2012 TD_{322}	15.9	X	48.55577	105.99088	309.37662	12.17541	0.1365894	0.24509186	2.5288135	21	—	—
382288 2012 TN_{322}	15.2	X	229.25129	51.19121	293.67077	15.45877	0.1214268	0.17186935	3.2038372	21	3 23.5	20.6
382289 2012 UO_{3}	16.6	X	123.38040	55.25528	86.91340	5.65311	0.0434498	0.18783769	3.0195871	21	6 17.8	20.8
382290 2012 UJ_{36}	15.8	X	203.02135	190.69023	219.57205	7.14132	0.0917386	0.17744076	3.1364170	21	5 25.1	20.7
382291 2012 UQ_{61}	13.6	X	317.39131	260.90569	63.78775	27.24115	0.0781189	0.08108277	5.2866876	21	6 23.4	20.5
382292 2012 UQ_{104}	14.9	X	318.84487	356.80491	261.56344	16.88366	0.1909181	0.17703822	3.1411694	21	3 8.4	19.4
382293 2012 UB_{111}	16.0	X	354.20794	193.32686	75.05113	5.91140	0.0364390	0.18322559	3.0700489	21	6 7.5	20.0
382294 2012 UN_{160}	16.0	X	24.47254	207.73135	17.90078	8.76561	0.0932838	0.18241887	3.0790935	21	5 26.2	19.9
382295 2012 UW_{168}	15.8	X	240.12602	274.07214	83.53185	11.00191	0.0314604	0.18214863	3.0821383	21	5 7.6	20.3
382296 2012 VD_{39}	15.7	X	76.86635	50.09531	274.86161	13.02297	0.0883946	0.22793685	2.6541554	21	12 21.2	19.6
382297 2012 VO_{43}	15.1	X	25.65529	327.38044	226.90120	25.46614	0.0663052	0.17337332	3.1852819	21	4 16.5	19.4
382298 2012 VS_{47}	15.3	X	288.24099	239.53676	41.61500	16.67087	0.1881775	0.17626780	3.1503156	21	3 16.6	20.2
382299 2012 VJ_{65}	16.0	X	302.88872	269.96877	16.13767	2.45230	0.0766485	0.17866115	3.1221179	21	4 16.0	20.1
382300 2012 VP_{77}	16.4	X	335.62855	345.17454	143.77283	6.54500	0.1260953	0.23948750	2.5681131	21	—	—
382301 2012 VH_{97}	15.3	X	193.66655	89.79864	326.31073	20.95512	0.1173232	0.17765601	3.1338831	21	5 15.5	20.7
382302 2012 VZ_{112}	16.0	X	267.20934	102.52283	262.84452	10.66523	0.1235777	0.18375747	3.0641220	21	6 3.9	20.5
382303 2013 BO_{1}	12.8	X	41.94900	221.88009	114.22022	16.39324	0.0193496	0.08358793	5.1805235	21	10 29.2	19.8
382304 2013 OQ_{5}	16.4	X	290.46047	32.20258	299.16971	12.59302	0.1853904	0.22919541	2.6444302	21	5 3.3	20.4
382305 2013 PV	16.0	X	230.63514	40.15136	228.72195	7.92370	0.0346974	0.18494653	3.0509746	21	1 4.3	20.6
382306 2013 PL_{10}	16.4	X	168.12511	129.02264	200.81024	9.43981	0.1433469	0.18483517	3.0521999	21	1 14.9	21.4
382307 2013 PS_{10}	16.3	X	140.55067	80.55409	260.24074	4.00274	0.1319931	0.17800977	3.1297296	21	1 2.6	21.0
382308 2013 PD_{12}	16.0	X	205.48965	125.25147	272.81894	7.60261	0.1365652	0.20869194	2.8149170	21	5 7.6	20.5
382309 2013 PA_{34}	15.2	X	108.45577	154.67568	193.77047	16.00219	0.2015406	0.16658614	3.2712229	21	—	—
382310 2013 PG_{49}	15.5	X	356.32560	208.94411	289.20535	8.82147	0.0151829	0.18256925	3.0774025	21	—	—
382311 2013 QZ_{76}	15.9	X	12.64511	176.77824	296.72713	8.35005	0.0611263	0.17689730	3.1428374	21	—	—
382312 2013 RX_{32}	17.0	X	14.17928	329.55384	19.26439	6.67104	0.2461647	0.25769894	2.4456499	21	11 28.3	19.5
382313 2013 RS_{60}	16.4	X	344.87212	75.00924	204.60882	13.73579	0.1353024	0.22637917	2.6663167	21	5 31.8	19.4
382314 2013 RK_{63}	17.6	X	44.10508	125.60232	210.20439	0.71913	0.1996417	0.26457452	2.4030937	21	12 18.4	20.8
382315 2013 RO_{85}	16.7	X	226.67854	159.77860	265.36935	4.04219	0.1531468	0.22041945	2.7141641	21	7 1.9	20.9
382316 2013 RK_{97}	16.6	X	244.87844	61.10201	311.47472	2.59887	0.1118880	0.21220943	2.7837245	21	5 18.1	20.7
382317 2013 SH_{27}	15.5	X	88.80737	241.34197	183.17801	13.89304	0.0949467	0.17158940	3.2073209	21	2 4.3	20.1
382318 2013 SX_{29}	17.9	X	106.72464	114.28265	277.37176	3.29925	0.1638429	0.29321030	2.2439675	21	1 1.5	20.0
382319 2013 SL_{39}	16.4	X	321.47071	342.11137	11.13328	9.39498	0.1396942	0.23402479	2.6079233	21	8 8.9	19.3
382320 2013 SS_{51}	18.4	X	52.27445	231.35929	165.94382	5.62659	0.2256081	0.27586808	2.3370522	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382321 2013 TR_2	16.1	X	217.57060	136.82187	286.23278	4.37808	0.0739877	0.21400918	2.7680957	21	6 25.8	20.0
382322 2013 TT_2	15.4	X	60.71536	211.12205	248.97178	9.86958	0.0898056	0.17068963	3.2185824	21	2 7.7	19.8
382323 2013 TW_3	16.3	X	239.46231	258.25505	206.35752	21.53740	0.1555612	0.23292564	2.6161212	21	8 30.8	20.6
382324 2013 TM_7	16.3	X	220.53113	273.74736	100.69486	8.73827	0.1067296	0.19768544	2.9184545	21	4 30.2	20.9
382325 2013 TH_9	15.6	X	171.69013	57.28863	304.84261	9.57641	0.0894538	0.17930242	3.1146694	21	2 21.4	20.5
382326 2013 TA_{12}	16.2	X	266.76823	357.08630	336.10134	9.06035	0.1507885	0.21303514	2.7765269	21	4 14.5	20.6
382327 2013 TH_{28}	16.6	X	259.55653	338.85359	31.18129	5.91821	0.1055518	0.21324953	2.7746657	21	6 1.2	20.6
382328 2013 TQ_{28}	15.6	X	139.86313	193.11135	211.37051	15.37993	0.0749187	0.17991133	3.1076376	21	3 7.4	20.3
382329 2013 TX_{29}	16.1	X	238.31865	358.82951	37.64568	14.54117	0.1785054	0.21222778	2.7835641	21	6 2.6	20.7
382330 2013 TY_{29}	16.6	X	247.82659	194.46906	198.94548	4.19245	0.0860402	0.21417822	2.7666391	21	6 21.2	20.6
382331 2013 TF_{30}	17.2	X	355.69337	142.60121	189.11102	4.66274	0.1106001	0.23386631	2.6091013	21	9 7.1	20.0
382332 2013 TP_{30}	17.1	X	283.38512	225.12404	149.24825	3.16826	0.1331435	0.22207137	2.7006875	21	7 4.2	20.7
382333 2013 TT_{30}	15.7	X	245.05619	73.54231	208.65777	15.95114	0.1077761	0.17657869	3.1466168	21	1 28.9	20.9
382334 2013 TZ_{31}	17.5	X	27.26009	40.15845	6.25217	1.36976	0.1720999	0.27109967	2.3643770	21	—	—
382335 2013 TT_{32}	16.3	X	310.31110	293.64959	19.40680	6.21622	0.0894920	0.21439035	2.7648138	21	5 25.8	20.0
382336 2013 TV_{32}	17.7	X	33.13378	275.72793	93.68800	0.23424	0.1854098	0.26276038	2.4141419	21	—	—
382337 2013 TC_{33}	16.8	X	319.65466	131.03620	198.86726	4.94583	0.1711973	0.22554610	2.6728782	21	6 22.4	19.8
382338 2013 TA_{39}	17.2	X	195.37239	172.13353	215.14656	1.11851	0.1212810	0.19694552	2.9257596	21	4 17.2	21.7
382339 2013 TW_{50}	16.8	X	289.86016	341.62488	34.88556	4.38333	0.1757071	0.22827902	2.6515025	21	7 10.5	20.2
382340 2013 TB_{51}	17.0	X	286.95825	181.75673	170.38566	3.39056	0.0945376	0.21767606	2.7369210	21	6 15.4	20.5
382341 2013 TZ_{52}	17.1	X	251.82619	345.73905	279.04147	5.32871	0.0505210	0.30157122	2.2022982	21	—	—
382342 2013 TN_{53}	16.4	X	2.83310	290.29003	286.85752	4.88180	0.0292331	0.19490003	2.9461947	21	4 10.5	20.4
382343 2013 TT_{53}	16.7	X	289.87424	24.18924	339.50630	5.35248	0.0056523	0.22084927	2.7106414	21	7 19.9	20.3
382344 2013 TW_{55}	15.8	X	61.47948	101.18703	358.35268	11.75711	0.0970413	0.17183946	3.2042086	21	2 16.4	20.0
382345 2013 TH_{62}	15.9	X	179.85836	101.03864	3.00691	9.90384	0.0919531	0.21396549	2.7684726	21	7 8.0	20.3
382346 2013 TJ_{65}	16.7	X	338.35040	309.49510	349.97020	4.31852	0.2155656	0.22784172	2.6548942	21	6 6.7	19.1
382347 2013 TN_{71}	15.9	X	109.61074	212.14980	217.00283	8.47704	0.0846064	0.18034764	3.1026235	21	3 4.6	20.4
382348 2013 TC_{73}	18.1	X	102.77249	310.85933	56.77978	3.74997	0.2077103	0.28684976	2.2770176	21	—	—
382349 2013 TM_{73}	16.1	X	221.30094	228.04130	230.97985	12.72383	0.1259944	0.22392614	2.6857537	21	8 6.4	20.4
382350 2013 TM_{75}	16.4	X	77.53392	37.14965	206.47232	15.69150	0.2401321	0.23760167	2.5816838	21	9 28.4	20.3
382351 2013 TS_{75}	15.8	X	129.96012	158.06565	261.91917	11.30124	0.1852800	0.18080629	3.0973743	21	3 25.9	20.9
382352 2013 TF_{76}	16.5	X	216.28595	148.15615	221.23062	5.28993	0.1048621	0.19511365	2.9440439	21	4 15.8	21.2
382353 2013 TQ_{76}	17.4	X	358.43961	156.99952	289.05929	2.64326	0.1562125	0.27025788	2.3692841	21	—	—
382354 2013 TT_{78}	16.6	X	308.18866	347.72364	43.62269	8.12740	0.3316684	0.23424744	2.6062704	21	8 7.5	19.2
382355 2013 TJ_{84}	15.8	X	146.97611	153.20729	218.09575	15.63513	0.0435851	0.17432962	3.1736225	21	1 31.2	20.7
382356 2013 TO_{84}	16.6	X	305.70479	106.09849	234.03267	5.32646	0.0457474	0.22028330	2.7152824	21	7 2.4	20.2
382357 2013 TP_{89}	16.6	X	188.96466	195.06648	252.22721	3.16166	0.0307020	0.21380343	2.7698714	21	6 25.4	20.3
382358 2013 TZ_{89}	15.9	X	121.59894	62.93309	2.70657	4.69906	0.1441726	0.17985248	3.1083155	21	3 24.8	20.5
382359 2013 TO_{93}	16.7	X	237.56500	257.24266	135.70726	1.07247	0.0803582	0.21203674	2.7852358	21	6 9.2	20.7
382360 2013 TP_{93}	17.9	X	132.39145	328.74462	50.98807	2.88297	0.2217317	0.29992343	2.2103571	21	1 31.6	20.6
382361 2013 TR_{94}	17.6	X	37.18128	180.63068	180.14298	1.89680	0.2065306	0.26077834	2.4263589	21	—	—
382362 2013 TS_{94}	16.2	X	231.85940	114.09739	208.97631	9.83410	0.0678274	0.18601475	3.0392830	21	3 7.5	20.8
382363 2013 TT_{94}	18.1	X	187.12189	152.40300	164.08559	1.18016	0.2363703	0.30303882	2.1951820	21	1 5.7	21.6
382364 2013 TZ_{94}	16.2	X	163.22779	355.97044	48.23800	9.69675	0.0259873	0.18709395	3.0275841	21	4 4.6	20.6
382365 2013 TD_{98}	16.7	X	261.60271	281.69539	74.20999	3.10702	0.0140056	0.20816311	2.8196824	21	5 30.0	20.5
382366 2013 TP_{98}	17.0	X	17.08333	232.01707	97.14232	3.25150	0.1208960	0.24258747	2.5461881	21	10 16.5	19.7
382367 2013 TT_{98}	17.3	X	180.69093	155.18205	171.00733	5.04244	0.1283918	0.30112307	2.2044827	21	1 2.7	20.4
382368 2013 TX_{98}	16.6	X	237.38107	289.68916	96.28793	3.89546	0.1077821	0.21009918	2.8023335	21	5 28.7	20.7
382369 2013 TZ_{98}	17.5	X	62.25625	238.41609	71.07611	5.58406	0.1889044	0.25582098	2.4576042	21	12 2.5	20.7
382370 2013 TF_{99}	16.7	X	56.70890	345.57704	296.92589	6.05091	0.1986298	0.24284685	2.5443747	21	10 18.7	20.2
382371 2013 TU_{101}	16.4	X	199.12043	93.16917	13.25486	8.85684	0.1199612	0.21598994	2.7511464	21	8 1.1	20.8
382372 2013 TU_{102}	17.0	X	267.69540	333.17619	24.78723	6.57779	0.0725461	0.21382980	2.7696437	21	5 30.6	20.9
382373 2013 TY_{103}	16.8	X	310.49575	54.16447	254.57609	2.36019	0.1839027	0.21741580	2.7391048	21	5 6.0	20.0
382374 2013 TV_{107}	17.3	X	160.34585	216.11408	44.17901	6.64048	0.0890366	0.27003287	2.3706001	21	—	—
382375 2013 TB_{108}	17.8	X	323.47399	320.29772	129.56647	2.27304	0.1428638	0.25947234	2.4344938	21	—	—
382376 2013 TO_{109}	16.8	X	338.51092	100.14409	229.82885	12.17982	0.1643134	0.23063393	2.6334228	21	7 26.8	19.7
382377 2013 TB_{110}	16.5	X	281.28684	77.03896	289.09825	3.74943	0.1283556	0.22015405	2.7163450	21	6 21.1	20.1
382378 2013 TW_{113}	16.2	X	217.68642	28.53558	29.92124	12.07822	0.0822455	0.20946625	2.8079757	21	6 18.2	20.5
382379 2013 TA_{115}	16.7	X	3.62039	294.76154	33.40013	18.86866	0.2797922	0.24116131	2.5562164	21	10 13.4	18.6
382380 2013 TE_{120}	16.8	X	269.05091	345.43964	24.99826	12.82612	0.1904711	0.22352130	2.6889957	21	5 30.5	20.9
382381 2013 TU_{121}	18.3	X	175.78880	288.43089	32.98017	0.65210	0.2015927	0.29783141	2.2206957	21	—	—
382382 2013 TA_{122}	16.9	X	339.30397	108.77182	221.12810	5.25199	0.0584001	0.22373327	2.6872970	21	8 5.5	20.2
382383 2013 TE_{122}	15.9	X	147.35016	182.02799	220.72587	10.80205	0.0595857	0.17872551	3.1213683	21	3 12.7	20.6
382384 2013 TF_{122}	16.2	X	177.72442	271.74601	61.67808	2.91832	0.0869068	0.16791681	3.2539179	21	1 29.9	21.1
382385 2013 TR_{122}	16.2	X	258.41590	140.51760	212.51511	20.67890	0.1779066	0.21076911	2.7963921	21	5 2.3	20.5
382386 2013 TX_{124}	17.1	X	101.60613	334.44871	303.02280	1.52728	0.1984333	0.25970631	2.4330314	21	12 2.2	20.8
382387 2013 TY_{126}	15.7	X	52.90139	58.27357	52.62618	7.41835	0.0802400	0.17101449	3.2145051	21	2 16.5	20.0
382388 2013 TP_{127}	17.3	X	241.11485	247.60683	200.01249	22.85783	0.4277718	0.21951696	2.7215981	21	7 16.8	22.7
382389 2013 TL_{129}	15.3	X	209.88416	206.87466	83.25284	6.38706	0.1541469	0.17217704	3.2000190	21	1 10.5	20.5
382390 2013 TC_{130}	17.1	X	70.15168	274.85285	44.32636	6.38436	0.2316644	0.26440741	2.4041061	21	12 28.4	20.9
382391 2013 TS_{136}	17.9	X	177.20494	117.24304	213.91070	1.95821	0.1880564	0.30488581	2.1863075	21	1 10.6	21.0
382392 2013 TT_{144}	16.1	X	151.29777	179.41194	205.36101	0.57298	0.1727136	0.17996582	3.1070103	21	3 8.4	20.9
382393 2013 VX_{11}	17.4	X	296.75648	32.42623	23.01159	21.11594	0.0859761	0.36568229	1.9367197	21	10 19.3	18.6
382394 3549 $P\text{–}L$	16.1	X	1.34810	142.64305	220.14574	11.74475	0.3504078	0.24349703	2.5398434	21	12 10.9	18.3
382395 1990 SM	16.2	X	54.65112	107.70144	136.21537	11.61270	0.7638546	0.32260983	2.1054794	21	11 10.3	20.8
382396 1991 TB_{16}	17.5	X	85.13595	6.13316	34.20881	2.66391	0.2181326	0.27335091	2.3513776	21	—	—
382397 1991 VH_8	16.8	X	330.07735	153.33448	209.95367	6.43824	0.2995677	0.22794027	2.6541289	21	8 16.2	18.7
382398 1994 SU_8	18.1	X	52.60739	15.87221	10.48542	1.39957	0.1790014	0.26446323	2.4037678	21	—	—
382399 1994 SB_{10}	16.9	X	293.92613	352.41141	22.46097	4.14504	0.1875116	0.21466492	2.7624557	21	7 12.3	20.4
382400 1994 SJ_{10}	17.7	X	100.19096	310.68452	20.84432	4.55687	0.1921811	0.26547204	2.3976743	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382401 1994 UK_3	17.7	X	33.96021	0.49630	45.61342	2.07591	0.1805149	0.26324332	2.4111884	21	—	—
382402 1995 PR	16.6	X	178.47912	304.24965	35.57913	7.76434	0.1613553	0.28616343	2.2806569	21	1 26.5	20.1
382403 1995 SN_{43}	18.5	X	19.78070	352.68721	100.45352	2.34775	0.1465283	0.27707367	2.3302681	21	—	—
382404 1995 SK_{72}	16.3	X	136.64933	146.51259	288.40929	13.70510	0.2687535	0.17506125	3.1647740	21	4 26.7	21.8
382405 1995 WQ_{24}	17.1	X	85.73262	306.59697	341.72436	4.04869	0.1051082	0.22813250	2.6526377	21	11 16.2	20.9
382406 1996 AJ_1	20.4	X	52.62416	238.31235	90.95763	2.53993	0.7815789	0.65703452	1.3104202	21	—	—
382407 1996 TE_5	15.7	X	194.05748	352.68483	16.27692	23.88123	0.1661875	0.18092542	3.0960146	21	3 29.7	20.8
382408 1996 TJ_{45}	16.9	X	296.26157	321.49268	111.52697	4.77911	0.1759921	0.23594657	2.5937429	21	10 12.7	19.7
382409 1996 TJ_{46}	16.7	X	205.01878	53.37953	323.00827	7.74112	0.2661410	0.18387313	3.0628369	21	4 8.7	22.2
382410 1996 VF_{18}	16.9	X	208.78366	297.96712	83.51492	2.35612	0.1998285	0.18178320	3.0862675	21	4 22.9	22.1
382411 1997 EP_8	15.7	X	141.38462	2.41305	151.46446	10.57988	0.0791050	0.17881355	3.1203437	21	7 26.1	20.4
382412 1997 SZ_3	16.8	X	16.56564	169.13904	227.13004	4.80825	0.2898785	0.25269754	2.4778140	21	—	—
382413 1997 WT_{12}	17.6	X	32.45528	9.98152	33.23226	1.74309	0.1849048	0.25377076	2.4708232	21	—	—
382414 1998 BC_{39}	16.0	X	74.68529	278.55763	304.57389	7.79271	0.0752727	0.18741766	3.0240969	21	8 4.2	20.0
382415 1998 FJ_{124}	16.9	X	189.98675	82.21414	108.87237	6.49562	0.2365960	0.23506999	2.6001870	21	10 31.3	21.4
382416 1998 KU_{11}	16.4	X	203.70315	108.82129	108.30546	12.40385	0.0628886	0.23554500	2.5966901	21	12 27.9	20.0
382417 1998 OF_9	17.1	X	171.03241	63.24513	238.82663	1.34076	0.2234890	0.27715417	2.3298168	21	—	—
382418 1998 QN	16.6	X	121.89605	45.13276	314.85183	12.19211	0.3138698	0.27506581	2.3415942	21	1 11.7	19.5
382419 1998 RQ_9	18.0	X	161.81225	189.78224	158.32054	4.42286	0.1098794	0.27893870	2.3198694	21	1 12.2	21.1
382420 1998 RC_{13}	18.0	X	89.50490	212.38601	172.45495	0.90548	0.2021681	0.27165270	2.3611670	21	—	—
382421 1998 SJ_{53}	18.1	X	61.15621	20.29328	24.21323	1.75539	0.1892716	0.26889154	2.3773035	21	—	—
382422 1998 TZ_3	17.9	X	103.31915	33.24807	3.31676	1.06408	0.1907463	0.27484141	2.3428686	21	1 13.3	20.3
382423 1998 TM_{27}	18.2	X	69.36701	31.88677	21.46358	2.62002	0.1866615	0.27214298	2.3583303	21	—	—
382424 1998 VS_3	17.7	X	52.82739	350.07576	53.31221	2.23431	0.1813574	0.26684397	2.3894491	21	—	—
382425 1998 YQ_{21}	17.4	X	24.13692	316.86001	114.19637	5.51378	0.1959564	0.26211030	2.4181319	21	—	—
382426 1999 AO_{14}	17.7	X	269.98801	65.67467	110.34975	4.87831	0.1067250	0.25804598	2.4434567	21	—	—
382427 1999 CF_3	17.0	X	162.33880	6.03286	120.43733	16.64550	0.1453727	0.19539521	2.9412150	21	7 17.6	21.7
382428 1999 CR_{11}	16.1	X	171.47585	177.55382	312.65094	19.27472	0.1954449	0.19486170	2.9465810	21	7 31.9	21.1
382429 1999 FD_{73}	17.8	X	294.60301	10.63871	154.03671	2.83574	0.1432227	0.25574815	2.4580708	21	—	—
382430 1999 RG_{41}	16.7	X	88.52040	308.17370	8.90579	24.70110	0.2645965	0.27968519	2.3157397	21	—	—
382431 1999 RO_{102}	16.4	X	299.05546	154.98759	221.36459	7.70244	0.3243478	0.22044371	2.7139650	21	6 27.4	19.8
382432 1999 RY_{187}	16.8	X	273.47365	44.07129	340.15889	3.06777	0.2739430	0.21749454	2.7384437	21	6 14.4	21.0
382433 1999 TZ_{51}	17.2	X	1.92630	103.56672	240.55062	3.87456	0.0637393	0.22247144	2.6974488	21	9 30.3	20.6
382434 1999 TD_{72}	17.4	X	277.68760	254.32982	199.85622	2.85738	0.0661862	0.22393811	2.6856580	21	10 23.6	20.6
382435 1999 TW_{125}	17.7	X	177.79386	45.51795	279.28187	3.50370	0.2410970	0.29048237	2.2579944	21	1 10.2	21.2
382436 1999 TA_{188}	16.8	X	336.36470	70.10694	290.82551	6.94989	0.3051857	0.22232145	2.6986619	21	8 30.5	18.6
382437 1999 TF_{212}	16.2	X	337.82072	312.88076	18.03991	15.31001	0.1673924	0.21884348	2.7271790	21	8 7.8	19.3
382438 1999 TK_{271}	17.1	X	168.43738	351.89417	347.57235	4.80468	0.3143764	0.29026920	2.2590997	21	1 27.2	20.8
382439 1999 TA_{316}	17.2	X	264.02807	15.88943	73.82120	4.62468	0.1547785	0.21889232	2.7267733	21	9 17.2	20.8
382440 1999 VV_{14}	16.6	X	9.91896	84.22780	348.92011	6.65285	0.0782528	0.23593217	2.5938485	21	—	—
382441 1999 VF_{181}	18.0	X	155.24849	188.71134	208.42562	3.14847	0.1502685	0.29235209	2.2483569	21	3 11.8	21.1
382442 1999 VV_{214}	16.3	X	327.99931	293.15555	76.43777	7.34214	0.0595871	0.21811920	2.7332129	21	9 18.2	19.8
382443 1999 XV_{112}	16.3	X	280.93683	67.00068	327.27052	13.99555	0.3111173	0.21709884	2.7417702	21	7 3.2	20.5
382444 1999 YK_2	17.0	X	257.46338	331.65197	99.89842	6.04883	0.1427654	0.21183714	2.7869851	21	8 16.2	20.9
382445 1999 YB_{14}	18.0	X	72.05641	333.83417	122.26808	6.81886	0.1637080	0.28229450	2.3014477	21	2 7.2	19.7
382446 2000 BW_{27}	16.4	X	343.39665	172.71065	325.08196	25.78467	0.1909567	0.27416446	2.3467236	21	—	—
382447 2000 DZ_{36}	16.5	X	233.67957	134.53368	339.85932	9.08764	0.2369707	0.21080596	2.7960662	21	9 1.4	21.0
382448 2000 KU_1	17.2	X	48.90210	58.42844	240.98550	14.75053	0.3144264	0.24342244	2.5403622	21	11 19.4	20.8
382449 2000 NH_1	15.8	X	190.79171	104.13279	275.90337	9.31294	0.0906966	0.17529808	3.1619229	21	4 1.1	20.9
382450 2000 OT_{30}	15.9	X	10.19875	98.30051	276.06573	10.16259	0.3381575	0.24097137	2.5575595	21	—	—
382451 2000 PJ_{27}	16.0	X	311.71618	327.34795	324.23066	4.45895	0.1276734	0.17919434	3.1159216	21	4 25.7	20.3
382452 2000 QS_9	16.6	X	354.23640	172.77698	171.55944	14.07080	0.1839255	0.23475895	2.6024833	21	9 30.2	18.9
382453 2000 QY_{15}	16.5	X	6.67489	209.58828	141.03356	5.27053	0.2169503	0.23895647	2.5719164	21	11 10.9	19.0
382454 2000 QX_{67}	16.2	X	348.26744	29.17128	358.52562	19.11019	0.1980188	0.23842989	2.5757018	21	11 13.7	19.0
382455 2000 QD_{68}	17.0	X	356.97225	254.33513	115.88413	6.38459	0.2768923	0.23762878	2.5814875	21	11 28.1	19.1
382456 2000 QV_{84}	16.3	X	351.59368	196.75368	175.86580	10.58676	0.3634713	0.23757031	2.5819110	21	12 4.1	18.2
382457 2000 QO_{122}	16.9	X	332.57602	38.92069	317.24043	6.47292	0.3458692	0.23314964	2.6144452	21	8 7.9	18.1
382458 2000 RV_{74}	17.3	X	2.45165	57.90745	322.02975	9.83494	0.3250749	0.23922365	2.5700011	21	—	—
382459 2000 ST_{20}	19.3	X	4.36018	72.60124	343.30408	16.84199	0.3099853	0.38394448	1.8748093	21	—	—
382460 2000 SX_{47}	16.6	X	6.77697	132.98164	207.93556	11.70521	0.2927743	0.23753746	2.5821491	21	11 7.9	18.7
382461 2000 SS_{66}	16.7	X	25.44191	193.74450	151.25504	4.92782	0.2288166	0.23867855	2.5739125	21	12 5.8	19.7
382462 2000 SM_{89}	16.9	X	348.12747	321.66250	52.91628	5.54219	0.2487291	0.23582241	2.5946533	21	11 7.1	18.7
382463 2000 SG_{90}	16.5	X	1.20578	116.82311	231.19926	10.62812	0.2846491	0.23761731	2.5815705	21	11 2.6	18.3
382464 2000 SA_{95}	17.0	X	16.60846	103.28507	248.78152	3.36965	0.2494747	0.23881039	2.5729652	21	12 4.3	19.6
382465 2000 SX_{199}	17.7	X	234.93186	128.81799	222.91967	1.86834	0.1639922	0.31408151	2.1434226	21	3 30.0	20.7
382466 2000 SW_{223}	16.9	X	349.13956	162.04145	201.09461	2.01252	0.2390039	0.23503699	2.6004304	21	10 20.6	18.8
382467 2000 SF_{279}	16.8	X	314.42938	184.72761	228.06029	6.68028	0.3582647	0.23202071	2.6229190	21	9 13.5	18.6
382468 2000 SW_{302}	16.9	X	12.81785	80.05142	273.25706	3.21552	0.2224530	0.23765184	2.5813205	21	11 24.3	19.5
382469 2000 TQ_{23}	17.7	X	170.78623	106.77221	275.48529	3.92372	0.1491156	0.30825901	2.1703288	21	3 5.6	20.9
382470 2000 TO_{26}	16.8	X	344.47502	337.32733	44.14857	6.30661	0.3020902	0.23597930	2.5935032	21	11 13.4	18.1
382471 2000 US_{19}	16.3	X	351.21022	343.15921	43.15056	8.51448	0.2012077	0.23573980	2.5952594	21	11 25.4	18.6
382472 2000 UY_{29}	16.8	X	330.30692	335.66471	29.50756	13.90880	0.2487941	0.23154314	2.6265244	21	9 8.6	19.1
382473 2000 UN_{52}	16.6	X	324.83297	327.66211	46.90691	13.55432	0.2197514	0.23048330	2.6345700	21	9 13.5	19.2
382474 2000 VF_{58}	16.2	X	346.73287	102.85422	243.47889	9.97422	0.2907231	0.23165782	2.6256575	21	9 9.2	18.1
382475 2000 WG_{116}	16.5	X	298.72959	17.70657	62.68605	14.92779	0.2158097	0.23117610	2.6293038	21	10 24.6	19.3
382476 2000 WC_{190}	17.2	X	11.57153	309.70413	49.23804	6.00250	0.3480664	0.23689332	2.5868277	21	12 21.8	20.0
382477 2000 WA_{192}	16.3	X	306.56268	278.07420	110.73206	10.29278	0.2888939	0.23015991	2.6370373	21	8 5.9	18.9
382478 2000 XB_{37}	16.6	X	316.93658	92.98490	319.05372	11.34997	0.2782687	0.23245587	2.6196446	21	9 30.4	18.9
382479 2000 XM_{40}	16.6	X	311.03947	46.16213	358.49476	12.68347	0.2685039	0.23084863	2.6317897	21	9 13.5	18.7
382480 2000 YD_1	16.0	X	7.35230	67.08417	249.13718	13.65035	0.0670703	0.22708864	2.6607605	21	8 26.0	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382481 2000 YT_4	16.5	X	320.65597	123.26861	249.78763	12.27809	0.2234382	0.22943394	2.6425970	21	8 15.0	19.3
382482 2001 AF_6	16.5	X	209.23863	36.71358	104.25509	12.80273	0.1294007	0.22398369	2.6852937	21	9 27.5	20.8
382483 2001 AK_{17}	16.4	X	289.68492	310.91635	114.45870	29.21326	0.2113364	0.22638730	2.6662529	21	9 20.7	20.1
382484 2001 AO_{25}	16.4	X	212.72358	86.41503	88.25884	28.26640	0.3661551	0.22574329	2.6713214	21	10 31.7	21.7
382485 2001 BL_3	17.8	X	319.34288	21.58213	90.79391	23.77259	0.0585412	0.37896300	1.8912031	21	—	—
382486 2001 CX_{19}	16.0	X	212.96033	277.01274	323.48709	26.54154	0.3809495	0.22931976	2.6434742	21	—	—
382487 2001 DQ_{58}	17.5	X	209.63264	275.43197	314.65129	18.37064	0.0599764	0.37646058	1.8995747	21	—	—
382488 2001 DE_{79}	16.2	X	223.62888	235.16941	301.52182	13.00182	0.2948867	0.22520615	2.6755673	21	10 28.3	20.9
382489 2001 FW_{108}	16.6	X	122.62520	236.96942	350.93231	7.42072	0.1486748	0.21552601	2.7550930	21	10 12.3	21.1
382490 2001 GU_8	17.0	X	15.41238	84.09292	104.96120	6.20989	0.2145083	0.29410450	2.2394168	21	2 23.3	18.5
382491 2001 NW_{17}	17.0	X	59.85464	198.96732	109.17105	24.61920	0.0700705	0.35434808	1.9778013	21	12 6.5	19.6
382492 2001 OQ_{16}	17.0	X	104.30810	252.37613	78.23017	15.44851	0.3622137	0.26195645	2.4190786	21	—	—
382493 2001 PF_{10}	17.4	X	113.92618	63.09282	280.00899	1.09875	0.2275994	0.26555421	2.3971797	21	—	—
382494 2001 PX_{45}	17.4	X	103.08949	14.45760	251.14197	18.63392	0.0420207	0.35330882	1.9816779	21	11 22.7	19.4
382495 2001 QH_1	16.4	X	39.66257	248.03305	152.01492	22.17761	0.2971955	0.25864134	2.4397056	21	—	—
382496 2001 QX_{110}	17.3	X	61.79678	153.92781	212.81993	8.06234	0.1123175	0.25951739	2.4342120	21	—	—
382497 2001 QT_{129}	16.9	X	72.33363	107.56146	259.60604	6.01415	0.1676922	0.26142734	2.4223416	21	—	—
382498 2001 QM_{150}	17.3	X	120.54007	207.47629	132.65289	3.29912	0.2095087	0.26468962	2.4023970	21	—	—
382499 2001 QV_{175}	17.7	X	134.64295	130.66348	165.54039	1.80849	0.1848009	0.26363835	2.4087792	21	—	—
382500 2001 QV_{214}	17.6	X	88.16974	200.16851	154.52820	1.35736	0.2085058	0.26137221	2.4226822	21	—	—
382501 2001 QW_{280}	16.7	X	48.99238	1.96111	23.28530	7.82691	0.2374399	0.25895173	2.4377557	21	—	—
382502 2001 RR_5	16.1	X	190.07366	178.69975	203.57846	5.02901	0.2549557	0.17871697	3.1214678	21	4 8.6	21.5
382503 2001 RE_8	18.9	X	198.12530	4.72959	263.80344	14.03902	0.2330053	0.51748421	1.5365192	21	—	—
382504 2001 RP_{19}	17.6	X	130.39113	308.15502	9.34179	1.69915	0.2716871	0.26499187	2.4005699	21	—	—
382505 2001 RF_{56}	16.1	X	202.14937	252.38631	115.64519	4.55269	0.2157324	0.17975792	3.1094055	21	4 3.3	21.5
382506 2001 RU_{127}	17.4	X	43.82395	234.22958	123.73199	3.14755	0.1949784	0.25534909	2.4606311	21	—	—
382507 2001 SN_1	17.2	X	78.69384	128.92030	230.40440	1.09313	0.1992646	0.25937682	2.4350914	21	—	—
382508 2001 SX_7	16.5	X	158.74617	65.46975	356.70042	3.58204	0.0985985	0.17751421	3.1355517	21	4 23.1	21.4
382509 2001 SC_{14}	17.7	X	87.61605	318.40877	39.14939	1.26534	0.2244896	0.26111765	2.4242565	21	—	—
382510 2001 SK_{18}	16.8	X	40.55208	215.52677	170.62222	6.48136	0.1487118	0.25711763	2.4493348	21	—	—
382511 2001 SV_{24}	17.2	X	94.46356	134.93025	200.65363	5.70493	0.2409687	0.25986683	2.4320294	21	—	—
382512 2001 SL_{30}	17.6	X	24.72505	340.32342	43.04763	1.82354	0.1945834	0.25393733	2.4697426	21	—	—
382513 2001 SR_{89}	16.3	X	140.41912	119.37457	306.62736	4.00839	0.1489653	0.17716913	3.1396219	21	4 12.4	21.3
382514 2001 ST_{102}	15.8	X	154.18970	227.22322	191.45044	14.58668	0.2775005	0.17575959	3.1563854	21	4 27.7	21.3
382515 2001 SQ_{103}	17.7	X	23.70513	90.27332	315.13029	1.04997	0.2169012	0.25621272	2.4550985	21	—	—
382516 2001 SE_{123}	17.1	X	80.67484	46.71819	289.01714	3.69070	0.1951542	0.25912775	2.4366516	21	—	—
382517 2001 SY_{127}	17.6	X	69.56870	351.46353	334.27931	2.12748	0.2028228	0.25582868	2.4575549	21	12 31.8	21.4
382518 2001 SG_{156}	17.2	X	31.50767	185.07797	220.56605	6.75936	0.1974725	0.25753871	2.4466642	21	—	—
382519 2001 SO_{172}	17.2	X	41.84079	25.10894	355.86320	1.18928	0.1950751	0.25618737	2.4552605	21	—	—
382520 2001 SZ_{173}	17.2	X	103.60663	218.28986	122.41513	4.05100	0.2100662	0.26056230	2.4276999	21	—	—
382521 2001 SB_{190}	17.6	X	0.40011	73.30300	348.07141	1.68549	0.2035136	0.25588172	2.4572153	21	—	—
382522 2001 SS_{212}	17.2	X	57.12152	292.30289	99.35043	3.43074	0.1926969	0.25956444	2.4339179	21	—	—
382523 2001 SZ_{227}	17.7	X	43.00199	15.04273	20.89873	2.39187	0.1655299	0.25746749	2.4471154	21	—	—
382524 2001 SA_{230}	17.4	X	34.75039	249.46524	169.97586	2.55316	0.1928672	0.25840159	2.4412144	21	—	—
382525 2001 SU_{247}	17.2	X	25.31918	318.78821	84.85976	2.10693	0.1700147	0.25514230	2.4619605	21	—	—
382526 2001 SY_{264}	17.5	X	17.21342	312.65463	73.06156	2.80276	0.2463264	0.25237729	2.4799097	21	—	—
382527 2001 SN_{269}	17.9	X	56.62961	52.93164	321.34551	0.62697	0.1985338	0.25735930	2.4478012	21	—	—
382528 2001 SU_{303}	17.6	X	59.23365	132.24513	264.67703	1.02303	0.2010197	0.26006154	2.4308153	21	—	—
382529 2001 SE_{313}	18.8	X	359.24390	288.11070	113.10647	4.02193	0.3878357	0.25077286	2.4904760	21	—	—
382530 2001 SG_{332}	17.6	X	14.38197	252.03499	165.06123	2.53387	0.2028075	0.25735220	2.4478462	21	—	—
382531 2001 TK_{47}	17.1	X	28.11407	284.05267	106.08424	6.12484	0.2130637	0.25412601	2.4685200	21	—	—
382532 2001 TA_{53}	17.5	X	60.60631	208.12635	173.93971	0.99825	0.1951929	0.25838495	2.4413192	21	—	—
382533 2001 TZ_{57}	17.6	X	33.70420	46.21015	309.50953	0.90346	0.2468245	0.25255741	2.4787305	21	—	—
382534 2001 TM_{147}	17.0	X	81.57024	203.67969	149.50928	5.47269	0.1762374	0.25835621	2.4415003	21	—	—
382535 2001 TM_{156}	17.1	X	42.04736	170.23528	191.29964	2.52611	0.0944222	0.25339042	2.4732950	21	12 31.5	20.4
382536 2001 TR_{158}	17.3	X	48.14112	227.50409	147.43621	1.84106	0.1963257	0.25682111	2.4512197	21	—	—
382537 2001 TF_{159}	17.7	X	104.63107	140.26723	196.95275	1.80329	0.2255915	0.26073581	2.4266227	21	—	—
382538 2001 TP_{173}	16.2	X	170.24696	6.44790	40.51143	5.35756	0.1817532	0.17628303	3.1501341	21	4 21.3	21.4
382539 2001 TM_{178}	17.2	X	52.43381	123.46236	230.50462	5.00365	0.1519745	0.25426085	2.4676471	21	—	—
382540 2001 TS_{223}	15.8	X	196.98450	136.32706	285.53022	4.85138	0.1257493	0.18118297	3.0930799	21	5 31.5	20.7
382541 2001 TG_{239}	17.0	X	85.35485	271.44171	102.86602	7.12345	0.1478473	0.26160367	2.4212530	21	—	—
382542 2001 UJ_{28}	17.3	X	43.63682	351.18154	51.18402	3.85881	0.1717401	0.25770118	2.4456358	21	—	—
382543 2001 UH_{41}	17.1	X	53.39092	286.97489	72.51863	3.96020	0.1959423	0.25454650	2.4658007	21	—	—
382544 2001 UY_{79}	17.3	X	12.39863	342.81071	85.52887	1.74752	0.1974780	0.25491118	2.4634483	21	—	—
382545 2001 UF_{106}	17.8	X	32.62925	199.39095	194.53533	3.67908	0.1749559	0.25442588	2.4665799	21	—	—
382546 2001 UR_{126}	16.4	X	154.35300	331.21933	50.85979	6.25472	0.2002548	0.17138701	3.2098454	21	3 13.8	21.7
382547 2001 UQ_{129}	15.3	X	167.72939	349.21900	33.73792	16.23959	0.0741351	0.17369875	3.1813021	21	3 22.6	20.2
382548 2001 UP_{182}	17.4	X	25.70606	305.52242	71.03004	3.45062	0.2047814	0.25320773	2.4744845	21	—	—
382549 2001 UK_{186}	16.1	X	193.45965	107.59122	226.73709	11.24263	0.2311007	0.17323522	3.1869745	21	2 12.2	21.8
382550 2001 UP_{209}	17.4	X	21.83514	146.42101	235.54455	6.73789	0.1367090	0.25302333	2.4756866	21	—	—
382551 2001 VO_1	17.3	X	28.55096	3.72737	14.97351	2.67513	0.2684369	0.25228074	2.4805424	21	—	—
382552 2001 VT_{53}	15.7	X	169.83384	181.86442	236.89006	14.48128	0.2574317	0.17555780	3.1588036	21	5 6.2	21.2
382553 2001 VM_{69}	15.6	X	169.69629	146.75973	261.13797	12.24875	0.1850629	0.17414773	3.1758319	21	4 18.2	21.0
382554 2001 VG_{111}	16.9	X	44.17968	316.35306	42.53372	6.04801	0.2621646	0.25196349	2.4826242	21	—	—
382555 2001 VX_{117}	16.7	X	41.87114	34.45780	10.55068	2.73115	0.1715162	0.25421755	2.4679273	21	—	—
382556 2001 VF_{124}	17.5	X	23.24127	352.19184	62.09991	3.19576	0.2007398	0.25436552	2.4669701	21	—	—
382557 2001 WQ_{64}	15.7	X	131.01239	249.65357	205.44263	16.55978	0.2353912	0.17514232	3.1637973	21	5 19.0	21.0
382558 2001 XO_{34}	15.3	X	235.56810	188.29978	270.63486	28.82924	0.1619576	0.23684140	2.5872058	21	8 8.8	19.8
382559 2001 XW_{159}	16.1	X	120.20985	337.78955	96.81590	13.38182	0.3216301	0.16692649	3.2667749	21	4 28.2	21.7
382560 2001 XG_{215}	16.2	X	250.06673	118.58218	42.75689	4.89307	0.2056725	0.24213254	2.5493763	21	11 24.1	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382561 2001 XL_{218}	17.3	X	13.88346	182.11455	270.99150	1.67106	0.1611679	0.25727689	2.4483238	21	—	—
382562 2001 XE_{243}	16.8	X	267.72186	153.75598	320.26544	12.23842	0.2113154	0.24075850	2.5590668	21	10 8.9	20.3
382563 2001 XQ_{264}	15.7	X	90.31479	266.10490	244.82923	24.37352	0.2021676	0.17165523	3.2065009	21	6 10.0	20.4
382564 2001 YA_{37}	17.1	X	48.70207	302.82317	61.85200	3.21579	0.2546364	0.25196751	2.4825977	21	—	—
382565 2002 AM_{40}	16.5	X	323.81936	280.56002	136.50240	6.03725	0.2690192	0.24218907	2.5489796	21	11 13.3	18.1
382566 2002 AK_{50}	17.0	X	331.17350	279.75031	125.53432	5.25699	0.3047277	0.24270720	2.5453506	21	11 16.7	18.2
382567 2002 AB_{53}	16.7	X	333.16889	161.32212	253.08592	3.90216	0.1982425	0.24263002	2.5458903	21	11 30.7	18.8
382568 2002 AA_{55}	18.0	X	322.85851	161.94137	285.31549	4.14834	0.2216571	0.24567977	2.5247776	21	12 29.5	19.9
382569 2002 AX_{67}	17.6	X	295.48029	2.07113	96.39727	3.44287	0.1717302	0.24302042	2.5431631	21	11 17.4	20.1
382570 2002 AM_{86}	16.2	X	251.53821	232.88415	284.19205	16.35508	0.1453178	0.24235982	2.5477822	21	11 29.6	19.7
382571 2002 AY_{126}	17.8	X	307.04604	264.64993	148.91963	3.21777	0.2138499	0.23953637	2.5677638	21	9 28.3	20.1
382572 2002 AJ_{149}	18.5	X	305.02479	154.35547	300.24873	5.02578	0.2653325	0.24416112	2.5352359	21	11 18.5	20.4
382573 2002 AK_{174}	17.2	X	336.62715	101.09519	312.07625	14.14756	0.1136230	0.24189198	2.5510662	21	11 29.6	20.3
382574 2002 AQ_{195}	16.9	X	256.46011	70.59393	104.51932	7.70343	0.0915081	0.24527344	2.5275652	21	—	—
382575 2002 BT_{12}	17.5	X	357.97192	99.85705	321.70997	8.68319	0.1681603	0.24544260	2.5264037	21	—	—
382576 2002 BX_{26}	16.6	X	339.97285	326.74029	78.42008	7.62193	0.2398242	0.24382662	2.5375541	21	12 6.7	18.4
382577 2002 CY_{67}	16.3	X	180.26128	237.15268	320.40704	14.47301	0.0206178	0.23804529	2.5784753	21	11 2.9	20.1
382578 2002 CJ_{97}	16.4	X	309.61271	322.99481	141.38050	13.98359	0.1231097	0.24171518	2.5523100	21	12 26.1	19.3
382579 2002 CZ_{126}	16.3	X	183.81799	42.83855	139.66987	15.93317	0.0751793	0.23543184	2.5975221	21	10 27.5	20.4
382580 2002 CR_{150}	17.6	X	229.02517	42.01125	116.28680	1.20556	0.2334207	0.23701153	2.5859675	21	10 24.2	21.4
382581 2002 CS_{150}	17.2	X	312.71409	108.72043	356.82069	4.63493	0.1814738	0.24366500	2.5386760	21	—	—
382582 2002 CX_{152}	17.0	X	325.21616	87.94831	319.01495	25.34483	0.3568207	0.24132380	2.5550689	21	9 25.2	19.1
382583 2002 CQ_{166}	17.3	X	272.34046	49.41160	111.57247	7.05058	0.1844173	0.24317548	2.5420819	21	12 31.4	20.1
382584 2002 CP_{194}	17.0	X	296.94128	317.92672	127.57784	5.59070	0.1689614	0.23943421	2.5684942	21	11 2.7	19.6
382585 2002 CM_{207}	16.9	X	320.32822	307.10178	140.39011	5.80027	0.1995511	0.24270094	2.5453943	21	12 22.0	18.9
382586 2002 CC_{214}	18.3	X	340.75987	307.85793	138.28977	5.12762	0.3731753	0.24745899	2.5126609	21	—	—
382587 2002 CL_{229}	17.2	X	340.02878	113.32764	309.36402	5.44625	0.2145311	0.24453934	2.5326211	21	12 31.9	19.4
382588 2002 CE_{234}	16.5	X	315.51563	20.57375	90.41564	15.91036	0.0769181	0.24502636	2.5292641	21	—	—
382589 2002 CW_{261}	17.2	X	324.81017	343.17855	128.29843	4.28919	0.1080136	0.24721478	2.5143154	21	—	—
382590 2002 CJ_{288}	16.9	X	304.40143	322.18239	117.78100	4.91057	0.0949738	0.24032905	2.5621145	21	11 15.2	19.7
382591 2002 CT_{301}	16.5	X	12.38133	38.68233	326.09436	4.10772	0.2534013	0.24199973	2.5503090	21	12 16.1	19.2
382592 2002 CO_{302}	16.8	X	240.71601	279.47031	245.95409	6.88884	0.0803570	0.23968659	2.5666908	21	12 6.2	20.1
382593 2002 CB_{306}	17.2	X	278.40883	35.49445	110.80114	5.02959	0.1905581	0.24290372	2.5439775	21	12 20.7	19.9
382594 2002 DH_{17}	15.9	X	94.73824	146.79405	71.59267	14.61354	0.2008390	0.22311991	2.6922197	21	9 18.9	20.3
382595 2002 DD_{18}	17.1	X	237.12468	182.77361	340.72111	2.92343	0.1303800	0.23816193	2.5776334	21	11 20.6	20.7
382596 2002 EY_{1}	17.2	X	298.95444	99.24119	38.34832	5.33939	0.2227190	0.24380936	2.5376738	21	—	—
382597 2002 EL_{57}	16.6	X	260.28080	136.15642	337.97496	12.46004	0.1208901	0.23574213	2.5952423	21	10 13.3	20.1
382598 2002 EG_{96}	17.5	X	275.91017	359.80773	146.25680	2.57524	0.1401878	0.24090767	2.5580103	21	12 22.6	20.2
382599 2002 EL_{111}	16.6	X	236.33558	88.64029	81.34709	5.10205	0.1125076	0.23705166	2.5856757	21	12 1.4	20.2
382600 2002 EG_{122}	17.4	X	306.62336	90.21602	353.13234	8.05751	0.1631440	0.23783803	2.5799731	21	11 12.6	20.0
382601 2002 EK_{124}	17.5	X	189.09457	8.35134	204.47756	3.04104	0.0910400	0.23577609	2.5949931	21	12 3.4	21.2
382602 2002 GW_{11}	16.9	X	208.03551	138.31523	79.99525	5.00593	0.2346222	0.23604340	2.5930336	21	12 15.4	20.9
382603 2002 GA_{68}	17.1	X	236.54031	15.87902	167.15282	4.71282	0.1903505	0.23667699	2.5884038	21	12 7.5	20.7
382604 2002 GC_{75}	17.5	X	211.72145	349.03045	206.28549	3.59525	0.1682716	0.23435729	2.6054559	21	11 27.9	21.4
382605 2002 GU_{85}	16.0	X	162.11645	135.54434	86.09284	14.27176	0.1258069	0.23081306	2.6320601	21	11 17.4	20.2
382606 2002 JY_{3}	17.0	X	214.86918	99.24169	58.88142	28.85068	0.3378917	0.23318918	2.6141497	21	10 16.9	22.0
382607 2002 JA_{108}	18.1	X	261.96605	136.21344	67.90241	23.45631	0.0402274	0.39678226	1.8341487	21	—	—
382608 2002 LW_{22}	15.8	X	280.45673	228.61368	70.68113	10.28284	0.2421308	0.19895687	2.9060077	21	3 18.5	20.5
382609 2002 LQ_{29}	16.9	X	172.91875	125.57200	100.31866	8.45695	0.2277791	0.22952041	2.6419332	21	11 26.5	21.4
382610 2002 LJ_{30}	16.3	X	276.98852	106.56322	118.22893	10.40201	0.0938328	0.24439899	2.5335906	21	—	—
382611 2002 NA_{16}	17.3	X	178.40245	63.25943	286.37421	8.21808	0.2149740	0.29110867	2.2547546	21	2 6.4	20.8
382612 2002 NH_{48}	17.2	X	148.96675	40.57685	309.64254	11.92702	0.2677463	0.28503649	2.2866643	21	1 19.8	20.4
382613 2002 NW_{61}	17.2	X	49.00868	56.69004	275.94460	18.74536	0.1040654	0.37262608	1.9125841	21	12 29.7	19.2
382614 2002 NN_{70}	16.0	X	267.31616	106.01840	276.60370	13.53106	0.1603420	0.20376096	2.8601494	21	6 21.1	20.1
382615 2002 NM_{71}	17.5	X	71.56271	113.27193	283.24500	21.00999	0.3003132	0.27905997	2.3191972	21	—	—
382616 2002 OX_{7}	16.1	X	206.67866	282.49720	309.66509	27.24937	0.3532075	0.23073569	2.6326484	21	12 23.9	21.0
382617 2002 OK_{20}	16.7	X	154.20660	139.12995	152.31428	12.39984	0.1850948	0.22964065	2.6410110	21	—	—
382618 2002 OL_{34}	16.8	X	260.44883	48.19863	339.40850	1.10129	0.0912176	0.20286514	2.8685632	21	6 28.6	20.8
382619 2002 PB_{31}	16.3	X	22.27229	334.06646	312.60080	13.00678	0.2077577	0.20850041	2.8166407	21	8 27.2	19.3
382620 2002 PX_{32}	16.5	X	234.32163	67.80525	169.10680	5.53073	0.3274985	0.23533225	2.5982549	21	—	—
382621 2002 PS_{78}	17.3	X	133.09550	9.11215	355.93255	4.90430	0.1963514	0.28444127	2.2898532	21	1 12.2	20.1
382622 2002 PF_{88}	17.8	X	233.16988	242.38391	331.42911	19.60185	0.0505187	0.38270555	1.8788533	21	—	—
382623 2002 PE_{113}	17.9	X	152.85826	45.29167	311.81579	7.67975	0.2469929	0.28544695	2.2844717	21	1 29.2	21.1
382624 2002 PY_{124}	17.8	X	136.79498	108.46790	273.07843	2.28595	0.1827758	0.28623696	2.2802663	21	2 3.6	20.8
382625 2002 PC_{130}	18.4	X	67.48986	80.81920	312.01908	19.50835	0.4812134	0.27455579	2.3444932	21	—	—
382626 2002 PU_{153}	18.1	X	204.93186	198.80438	134.56071	4.32280	0.2008799	0.29184171	2.2509774	21	2 10.6	21.7
382627 2002 PB_{167}	17.8	X	340.86984	135.56208	324.03939	15.02579	0.0552114	0.38094203	1.8846475	21	—	—
382628 2002 PA_{182}	16.4	X	257.39813	289.34542	114.02215	6.13537	0.1233990	0.20425984	2.8554905	21	7 10.9	20.5
382629 2002 PA_{190}	17.5	X	146.37005	4.94355	6.96227	5.45627	0.1471215	0.28785394	2.2717189	21	1 30.7	20.5
382630 2002 QC_{9}	17.8	X	88.11438	297.34713	76.21293	4.24413	0.2570648	0.27740817	2.3283944	21	—	—
382631 2002 QQ_{14}	17.4	X	178.57352	181.46954	175.30189	6.39850	0.1409338	0.28996506	2.2606792	21	2 11.2	20.7
382632 2002 QN_{21}	16.8	X	75.46401	85.38747	341.23392	23.22517	0.2249384	0.28176006	2.3043570	21	1 15.8	19.1
382633 2002 QP_{75}	18.1	X	306.57839	269.10911	143.38018	23.28460	0.1111765	0.36777696	1.9293590	21	11 15.3	20.2
382634 2002 QJ_{82}	17.5	X	108.83924	307.63934	121.95360	6.73420	0.1223697	0.28827683	2.2694967	21	2 24.6	20.1
382635 2002 QB_{86}	16.2	X	54.69855	139.78201	156.32590	9.75018	0.1751258	0.21386375	2.7693506	21	11 1.5	20.1
382636 2002 QP_{103}	17.9	X	116.01063	248.66259	111.59660	4.82600	0.1673986	0.28145646	2.3060138	21	—	—
382637 2002 QO_{114}	16.2	X	123.69586	102.53813	289.06009	6.00773	0.1677091	0.18145354	3.0900043	21	2 15.3	20.8
382638 2002 QJ_{134}	18.2	X	224.43773	233.80919	75.67125	2.75445	0.1206621	0.29071351	2.2567974	21	1 29.1	21.4
382639 2002 QX_{137}	17.5	X	100.11272	283.27378	139.29520	5.13307	0.1871532	0.28709072	2.2757433	21	2 10.4	19.7
382640 2002 QH_{140}	17.6	X	226.60600	193.23399	82.01920	6.60834	0.1434944	0.28666409	2.2780007	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382641 2002 RX_5	16.3	X	60.45904	260.13719	154.99947	22.95897	0.2627034	0.27758789	2.3273893	21	—	—
382642 2002 RP_{53}	17.0	X	143.67833	346.63137	357.56892	10.64396	0.1627311	0.28235651	2.3011107	21	—	—
382643 2002 RT_{126}	17.7	X	109.84513	307.73963	60.41797	4.95960	0.2474344	0.28034395	2.3121105	21	—	—
382644 2002 RC_{134}	17.7	X	158.03170	211.91035	131.92703	8.61299	0.2428762	0.28404202	2.2919985	21	1 16.8	21.0
382645 2002 RE_{142}	17.6	X	117.94299	75.51175	319.85078	6.28766	0.1264833	0.28414650	2.2914366	21	1 21.6	20.1
382646 2002 RN_{175}	17.4	X	118.04867	165.03675	230.17088	5.23274	0.2397373	0.28307359	2.2972230	21	2 5.9	20.2
382647 2002 RB_{178}	16.4	X	156.62895	57.13657	345.61164	12.78092	0.3368939	0.18411521	3.0601516	21	4 7.5	22.0
382648 2002 RC_{188}	17.4	X	155.36751	355.53824	358.05400	6.77574	0.1427199	0.28490516	2.2873669	21	1 17.0	20.5
382649 2002 RJ_{215}	17.5	X	119.51876	248.77094	127.82747	5.32419	0.2216475	0.28183480	2.3039496	21	1 12.9	20.1
382650 2002 RW_{271}	18.0	X	171.54203	29.31973	333.00820	6.98225	0.1163045	0.28937988	2.2637258	21	2 10.8	21.1
382651 2002 RB_{280}	17.5	X	136.42340	123.14159	291.84207	2.59321	0.1041527	0.29008016	2.2600811	21	3 7.9	20.2
382652 2002 SS_3	18.1	X	94.83028	7.44255	19.98123	5.53021	0.2150027	0.27844339	2.3226197	21	—	—
382653 2002 SV_{11}	17.4	X	170.16108	301.86367	42.69700	3.15066	0.1695563	0.28460706	2.2889639	21	1 23.6	20.7
382654 2002 SS_{46}	17.2	X	78.51724	338.09991	36.41818	8.39025	0.2458003	0.27302069	2.3532732	21	—	—
382655 2002 SY_{63}	18.0	X	3.76204	88.81520	312.05121	18.40181	0.1174035	0.37258454	1.9127263	21	—	—
382656 2002 SW_{67}	17.0	X	189.80983	237.73863	158.13209	1.68646	0.2397300	0.18879168	3.0094062	21	4 24.3	22.3
382657 2002 TD_9	16.1	X	202.28039	51.43998	347.67308	9.71925	0.3960656	0.18946856	3.0022345	21	5 1.2	22.1
382658 2002 TU_{24}	16.2	X	177.38059	37.55995	18.16707	11.77795	0.2160955	0.18756902	3.0224699	21	5 4.7	21.5
382659 2002 TK_{61}	15.4	X	252.67601	162.94024	233.04630	11.49622	0.0816617	0.19792037	2.9161446	21	6 29.8	19.7
382660 2002 TK_{80}	17.4	X	168.72344	95.13299	218.75011	4.23262	0.1638035	0.28083350	2.3094228	21	—	—
382661 2002 TT_{88}	18.1	X	112.61722	118.76753	263.02835	4.01672	0.2484729	0.27959999	2.3162101	21	1 14.8	20.7
382662 2002 TL_{94}	18.4	X	107.37608	220.63624	165.74786	2.00957	0.2042728	0.28026351	2.3125529	21	1 5.6	20.8
382663 2002 TB_{98}	17.7	X	131.14457	234.57714	125.14483	2.21284	0.1198462	0.28081277	2.3095364	21	—	—
382664 2002 TD_{101}	17.8	X	111.98420	92.65677	293.29277	1.62024	0.1553905	0.28071065	2.3100965	21	1 4.3	20.3
382665 2002 TG_{101}	16.1	X	206.84782	21.54447	353.60387	11.46219	0.1563509	0.18888028	3.0084650	21	4 10.2	21.1
382666 2002 TL_{101}	17.3	X	143.03695	143.21971	226.45647	5.13863	0.1835911	0.28353620	2.2947235	21	1 25.9	20.5
382667 2002 TZ_{107}	17.5	X	102.66614	254.39541	105.36738	5.49176	0.2373943	0.27703605	2.3304790	21	—	—
382668 2002 TG_{121}	16.9	X	156.57623	71.38854	282.83608	5.08686	0.1402840	0.28260039	2.2997867	21	1 17.2	19.8
382669 2002 TA_{126}	17.4	X	116.71211	111.60827	211.56214	9.35397	0.3011661	0.27637005	2.3342215	21	—	—
382670 2002 TQ_{147}	18.2	X	111.93552	71.04681	331.09122	2.36928	0.1897727	0.28199141	2.3030965	21	2 1.6	20.7
382671 2002 TQ_{155}	17.9	X	109.89084	90.90332	306.45840	5.13986	0.1638510	0.28290433	2.2981392	21	1 18.2	20.2
382672 2002 TG_{205}	17.7	X	65.77388	331.73372	69.06087	5.63896	0.2171755	0.27466090	2.3438950	21	—	—
382673 2002 TP_{210}	16.2	X	212.21560	195.66673	208.95105	9.40853	0.2254408	0.19095875	2.9865950	21	5 22.0	21.4
382674 2002 TH_{224}	18.4	X	300.25084	229.01792	210.02024	9.70652	0.2273986	0.36452762	1.9408073	21	12 5.5	18.6
382675 2002 TG_{286}	16.9	X	122.72016	107.73191	269.10764	8.51517	0.2069758	0.27933129	2.3176952	21	1 14.9	19.7
382676 2002 TL_{287}	16.3	X	161.29617	322.08336	6.35742	7.60574	0.2326009	0.27981633	2.3150161	21	1 1.6	19.8
382677 2002 TG_{314}	16.5	X	250.93048	260.75417	113.70521	9.91542	0.1119121	0.19312546	2.9642150	21	5 30.8	21.0
382678 2002 TT_{346}	17.2	X	141.80430	289.51620	69.38772	7.43794	0.2375955	0.28172674	2.3045387	21	1 20.9	20.4
382679 2002 TP_{370}	17.6	X	54.98600	311.75423	101.19913	9.52090	0.1173695	0.27361806	2.3498468	21	—	—
382680 2002 TO_{381}	18.4	X	124.27386	176.76941	188.44030	5.49673	0.1974575	0.28052566	2.3111119	21	—	—
382681 2002 UD_4	16.2	X	184.81136	46.77135	284.74161	24.79586	0.2205846	0.28484470	2.2876906	21	1 19.9	20.0
382682 2002 UK_{51}	17.4	X	161.29743	65.92427	248.84382	9.05416	0.2621289	0.28372660	2.2936968	21	—	—
382683 2002 UL_{60}	16.8	X	116.04547	36.64965	87.80706	11.40671	0.0576486	0.18781650	3.0198142	21	5 21.0	21.1
382684 2002 UJ_{71}	17.6	X	83.31868	95.08330	321.81165	1.29230	0.2087621	0.27794550	2.3253926	21	1 7.9	19.2
382685 2002 UW_{75}	17.4	X	133.54597	51.53909	264.84880	2.59910	0.2355404	0.27502537	2.3418238	21	—	—
382686 2002 VZ_{14}	16.2	X	192.88382	122.23333	235.70509	6.89852	0.1573888	0.18191144	3.0848167	21	3 9.9	21.3
382687 2002 VH_{25}	17.5	X	153.08446	344.83869	15.70710	3.02970	0.1889985	0.28195060	2.3033187	21	1 28.8	20.6
382688 2002 VH_{26}	17.4	X	55.17755	351.97384	56.73737	5.24152	0.2013965	0.27194067	2.3594998	21	—	—
382689 2002 VK_{27}	17.3	X	145.02523	137.05610	223.16329	3.89619	0.2360138	0.28035875	2.3120291	21	1 23.5	20.6
382690 2002 VN_{51}	17.7	X	96.77945	269.69845	130.58367	3.07224	0.2120085	0.27793307	2.3254619	21	1 9.6	19.7
382691 2002 VS_{60}	17.5	X	58.67541	223.25109	195.82984	6.09340	0.1932376	0.27371026	2.3493190	21	—	—
382692 2002 VT_{60}	17.6	X	69.29145	31.82262	6.22352	2.49120	0.1874462	0.27340938	2.3510423	21	—	—
382693 2002 VY_{60}	16.7	X	137.80706	96.63713	275.96146	4.29105	0.2234546	0.28181657	2.3040489	21	1 29.9	19.8
382694 2002 VM_{66}	17.3	X	73.88998	155.74366	237.25093	4.20770	0.1827744	0.27369171	2.3494252	21	—	—
382695 2002 VK_{71}	17.8	X	118.13306	289.81513	77.53709	5.29970	0.2750771	0.27831584	2.3233293	21	1 8.5	20.3
382696 2002 VU_{88}	17.3	X	83.98101	18.22050	5.47954	4.23370	0.2476350	0.27396926	2.3478382	21	—	—
382697 2002 VR_{91}	16.0	X	137.56115	74.67470	13.47444	14.49439	0.2693927	0.18220693	3.0814808	21	5 13.2	21.4
382698 2002 VL_{92}	15.2	X	102.76657	53.77029	98.35152	26.19953	0.4581271	0.17494655	3.1661571	21	7 20.7	20.9
382699 2002 VW_{100}	16.6	X	207.73789	114.33454	245.47768	9.70021	0.2637040	0.18572279	3.0424673	21	3 22.2	22.2
382700 2002 VK_{114}	17.5	X	111.33173	308.33356	68.78995	3.57103	0.2050592	0.27657151	2.3330878	21	—	—
382701 2002 VR_{135}	18.4	X	52.67770	56.40457	34.27011	1.70193	0.1468321	0.27663189	2.3327483	21	—	—
382702 2002 VU_{137}	16.8	X	205.08693	321.11433	79.24326	3.37731	0.1965139	0.18745831	3.0236597	21	5 11.9	21.9
382703 2002 VX_{139}	15.9	X	128.33158	8.13971	146.72516	16.18800	0.1386451	0.18097364	3.0954646	21	7 18.6	20.8
382704 2002 VJ_{142}	16.1	X	202.69821	310.63328	62.81026	10.97405	0.0683827	0.18407427	3.0606053	21	4 13.5	20.8
382705 2002 VR_{146}	16.1	X	236.71297	319.42972	48.71794	13.15191	0.1083054	0.18884187	3.0088730	21	5 6.5	20.5
382706 2002 VE_{147}	18.3	X	91.17283	317.31397	80.88513	2.53344	0.1750591	0.27554440	2.3388820	21	—	—
382707 2002 WD_{19}	18.1	X	67.34048	289.24865	121.06491	1.97883	0.1740796	0.27355411	2.3502130	21	—	—
382708 2002 WR_{21}	17.3	X	47.74970	318.87775	97.41620	6.62164	0.1196633	0.27046493	2.3680748	21	—	—
382709 2002 WX_{22}	15.9	X	122.13329	49.20245	68.35502	17.88008	0.0934261	0.18384694	3.0631277	21	5 23.1	20.4
382710 2002 WP_{25}	15.8	X	187.05146	161.11769	241.85666	9.71850	0.0549903	0.18433533	3.0577150	21	4 27.2	20.3
382711 2002 WM_{27}	17.7	X	112.35714	303.80989	40.39648	3.84864	0.1753620	0.27262181	2.3555680	21	—	—
382712 2002 WM_{29}	17.8	X	93.40083	270.95115	121.26069	4.93638	0.1732231	0.27547648	2.3392665	21	—	—
382713 2002 XB_1	17.7	X	92.77277	286.81234	102.84749	6.29149	0.2510382	0.27636830	2.3342314	21	—	—
382714 2002 XJ_2	15.7	X	114.80803	259.59216	231.36582	14.27087	0.2215905	0.18176114	3.0865172	21	6 13.7	20.7
382715 2002 XJ_{17}	17.2	X	27.11526	323.71725	79.27600	6.01939	0.2187652	0.26603514	2.3942898	21	—	—
382716 2002 XW_{41}	17.3	X	82.51219	16.61379	23.90237	5.60549	0.1596502	0.27378808	2.3488738	21	—	—
382717 2002 XG_{43}	17.7	X	65.96518	276.84716	141.99148	8.35160	0.2155799	0.27487782	2.3426618	21	—	—
382718 2002 XR_{50}	17.4	X	67.10275	135.11957	239.79122	4.01733	0.2288257	0.26920344	2.3754669	21	—	—
382719 2002 XU_{64}	17.0	X	145.56867	291.30467	280.43365	17.99730	0.0552043	0.35726531	1.9670202	21	10 25.5	19.8
382720 2002 XO_{79}	16.1	X	85.82785	119.64933	279.03901	23.10798	0.2570439	0.27326485	2.3518712	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382721 2002 XH_{82}	15.8	X	127.52922	179.17409	287.48868	17.74305	0.2865175	0.17907271	3.1173323	21	6 1.6	21.2
382722 2002 XR_{90}	17.6	X	116.28120	145.21968	221.46165	1.62490	0.1867209	0.27557462	2.3387111	21	—	—
382723 2002 XK_{119}	17.6	X	22.42354	233.38161	228.45565	6.53220	0.1461606	0.27322779	2.3520839	21	—	—
382724 2002 YR_{8}	17.1	X	90.04360	297.35548	105.66426	9.31549	0.2378870	0.27463520	2.3440412	21	1 6.5	18.7
382725 2002 YT_{24}	17.3	X	52.47958	297.78010	128.57015	1.92643	0.1656501	0.27037315	2.3686107	21	—	—
382726 2002 YG_{26}	15.5	X	132.45880	157.63998	282.83735	29.68067	0.2715351	0.17746214	3.1361650	21	4 27.8	21.2
382727 2003 AR_{3}	16.8	X	72.19267	325.37446	118.57299	25.39911	0.2523232	0.27603898	2.3360875	21	2 3.3	18.4
382728 2003 AD_{21}	17.0	X	40.56506	125.96089	295.85298	11.61884	0.1809595	0.26791196	2.3830948	21	—	—
382729 2003 AV_{25}	15.6	X	67.49775	49.23124	105.30121	20.70300	0.1748557	0.17519030	3.1632196	21	5 19.6	20.0
382730 2003 AG_{33}	15.2	X	88.14290	177.73841	300.04377	24.21171	0.1849643	0.17303478	3.1894352	21	4 12.7	20.2
382731 2003 AN_{42}	15.3	X	109.67352	226.57576	302.69203	15.59846	0.2563803	0.17823839	3.1270528	21	7 29.2	20.3
382732 2003 AF_{43}	15.7	X	162.45623	167.73064	314.61546	9.20334	0.1929412	0.18581517	3.0414588	21	7 14.9	20.9
382733 2003 AN_{51}	16.1	X	138.20178	154.98880	306.57442	16.70251	0.2687038	0.17951289	3.1122344	21	6 1.9	21.7
382734 2003 AZ_{63}	15.8	X	144.62280	23.01410	98.97002	19.25221	0.1854281	0.18089656	3.0963438	21	6 27.8	20.8
382735 2003 AJ_{70}	17.8	X	33.16735	312.92625	131.08851	2.23505	0.1780732	0.26892946	2.3770800	21	—	—
382736 2003 AG_{82}	15.1	X	77.75007	104.31966	73.47345	27.07178	0.1727341	0.17492234	3.1664492	21	6 22.9	19.6
382737 2003 AM_{90}	17.2	X	43.81625	157.03398	283.19439	9.16015	0.1431715	0.26875248	2.3781234	21	—	—
382738 2003 BY_{5}	17.0	X	297.18552	196.15617	337.66222	14.36905	0.1566790	0.26246623	2.4159453	21	—	—
382739 2003 BW_{11}	15.7	X	90.69378	18.63968	132.47786	17.35447	0.1978460	0.17492909	3.1663677	21	6 13.6	20.5
382740 2003 BF_{14}	17.7	X	22.60293	316.60350	132.48052	6.19459	0.1825569	0.26714413	2.3876589	21	—	—
382741 2003 BC_{24}	15.7	X	121.91824	224.22257	231.88625	10.62661	0.2370782	0.17506546	3.1647233	21	5 11.2	20.7
382742 2003 BK_{48}	15.7	X	150.01406	135.14675	313.56772	12.45934	0.1892835	0.17749471	3.1357813	21	5 20.8	21.1
382743 2003 BQ_{74}	17.5	X	355.89267	74.45016	50.26623	8.40052	0.1109395	0.26592335	2.3949607	21	—	—
382744 2003 BD_{92}	17.1	X	1.71322	238.83432	349.32174	3.75511	0.1975155	0.27707686	2.3302502	21	3 31.5	18.8
382745 2003 CC	20.3	X	301.79532	103.17978	136.32269	2.32436	0.3266901	0.53616616	1.5006167	21	—	—
382746 2003 CH_{7}	16.4	X	347.93957	163.20906	332.21406	24.14721	0.2109037	0.26490978	2.4010657	21	—	—
382747 2003 CA_{26}	15.6	X	77.62558	54.36183	116.50419	12.27119	0.0349168	0.17686037	3.1432749	21	5 29.5	20.1
382748 2003 CM_{26}	16.4	X	104.26074	81.95978	43.91554	8.10323	0.1464010	0.17487312	3.1670434	21	5 18.4	20.9
382749 2003 DB	15.7	X	56.25613	76.93426	117.81220	27.26236	0.2521373	0.17270438	3.1935017	21	7 1.5	19.9
382750 2003 DK	15.3	X	33.95186	277.77496	307.01019	14.79153	0.1895490	0.17436137	3.1732372	21	6 23.5	19.1
382751 2003 DC_{21}	17.2	X	296.12114	90.67028	343.34766	18.97300	0.0846847	0.35501757	1.9753140	21	11 6.4	19.4
382752 2003 DY_{24}	17.3	X	17.78329	117.28525	335.31851	4.51378	0.1965975	0.26452053	2.4034207	21	—	—
382753 2003 EU_{8}	16.7	X	155.83627	107.62271	330.26426	22.93461	0.4461671	0.18060108	3.0997201	21	5 19.6	23.1
382754 2003 EW_{38}	17.7	X	257.66846	108.00473	122.98116	3.78908	0.1343758	0.26120181	2.4237357	21	—	—
382755 2003 ET_{44}	17.5	X	313.21867	329.62089	207.59824	5.16834	0.2899036	0.26259851	2.4151339	21	—	—
382756 2003 FE_{17}	17.6	X	355.40110	29.89149	139.24991	3.56411	0.0835418	0.26795486	2.3828404	21	1 9.3	20.2
382757 2003 FS_{37}	17.0	X	144.57384	25.25400	198.18384	4.36793	0.1459891	0.24157162	2.5533212	21	11 1.5	21.1
382758 2003 GY	20.2	X	26.16498	334.16465	321.80733	4.67448	0.3172352	0.60818079	1.3796881	21	12 17.8	21.2
382759 2003 LT_{3}	15.6	X	64.03858	85.64279	133.45044	24.37049	0.3681125	0.17132306	3.2106441	21	8 30.2	20.3
382760 2003 NY	16.6	X	278.82249	283.35519	283.12009	7.14243	0.4323303	0.25463396	2.4652360	21	—	—
382761 2003 OW_{15}	17.0	X	295.42739	68.78085	279.17169	6.30955	0.2428077	0.21257914	2.7804961	21	5 28.4	20.7
382762 2003 OJ_{19}	16.2	X	306.69673	94.61654	268.41108	13.16804	0.2163477	0.21665609	2.7455043	21	7 8.9	19.4
382763 2003 OS_{30}	16.5	X	277.49113	53.97634	321.44667	7.44760	0.2998154	0.21163524	2.7887573	21	6 3.5	20.9
382764 2003 QP_{10}	16.0	X	257.37416	155.13007	329.81423	13.95109	0.0489675	0.22778930	2.6553015	21	11 1.5	19.9
382765 2003 QR_{23}	15.8	X	30.97714	235.43507	177.42376	31.24600	0.2258714	0.23174390	2.6250073	21	—	—
382766 2003 QJ_{103}	16.2	X	268.06679	9.72582	29.50811	8.58013	0.3119473	0.21134921	2.7912729	21	6 23.5	20.7
382767 2003 RO_{12}	16.8	X	309.74316	101.70155	252.26752	6.11731	0.2369050	0.21425266	2.7659982	21	6 28.7	19.9
382768 2003 SJ_{6}	16.2	X	284.43225	345.93769	31.79891	8.76570	0.3008766	0.21223553	2.7834964	21	6 13.9	20.4
382769 2003 SX_{7}	16.3	X	293.81894	144.62044	191.51310	8.89043	0.1934607	0.20889971	2.8130503	21	5 20.3	20.1
382770 2003 SG_{24}	16.6	X	261.43610	211.71554	193.08863	15.40232	0.2996906	0.21024093	2.8010737	21	6 24.9	21.4
382771 2003 SL_{37}	16.6	X	294.12855	130.86645	248.80889	7.71590	0.2213510	0.21384267	2.7695325	21	7 11.5	20.2
382772 2003 SM_{50}	16.4	X	269.62181	128.63923	303.26161	6.54870	0.2257878	0.21554985	2.7548898	21	8 16.9	20.2
382773 2003 SC_{71}	16.4	X	311.52743	71.19676	257.62882	7.51378	0.1567182	0.21116575	2.7928894	21	6 9.8	19.7
382774 2003 SD_{77}	16.2	X	322.87689	83.36884	319.93081	10.13352	0.1463483	0.22076120	2.7113623	21	10 11.9	19.4
382775 2003 SQ_{96}	16.5	X	299.00930	73.85492	317.75916	12.46061	0.2270607	0.21494646	2.7600430	21	8 5.9	19.5
382776 2003 SS_{102}	16.7	X	259.92429	66.40952	337.80767	8.52815	0.2469214	0.21054735	2.7983554	21	6 30.4	21.1
382777 2003 SR_{111}	16.4	X	241.81712	357.34067	40.07123	9.16362	0.3319587	0.20555549	2.8434788	21	5 27.7	21.4
382778 2003 SM_{119}	17.9	X	240.47546	246.94316	64.27897	3.48536	0.2331918	0.30966148	2.1637708	21	2 11.5	21.5
382779 2003 SL_{121}	17.0	X	334.81532	85.95085	304.05382	4.64925	0.0483335	0.22278460	2.6949203	21	10 20.2	20.5
382780 2003 SX_{184}	16.7	X	269.31558	26.03867	30.32445	4.54471	0.2046450	0.21263728	2.7799892	21	8 2.0	20.7
382781 2003 SY_{240}	16.0	X	281.58509	17.56368	11.45569	9.23271	0.2185929	0.21076462	2.7964319	21	7 10.2	20.0
382782 2003 SN_{267}	17.1	X	291.14711	16.63129	354.37835	1.40284	0.0921975	0.21189913	2.7864415	21	7 17.7	20.6
382783 2003 SR_{275}	17.3	X	242.02179	192.51507	163.41805	1.74546	0.3791812	0.20357836	2.8618595	21	4 8.4	22.5
382784 2003 SG_{296}	16.4	X	308.75096	74.85873	312.37804	7.80313	0.1679769	0.21441439	2.7646072	21	8 24.1	19.4
382785 2003 SO_{327}	17.3	X	295.73285	169.74007	217.37906	4.60010	0.1728529	0.21475518	2.7616816	21	8 1.1	20.8
382786 2003 SW_{333}	17.1	X	289.90878	45.93946	358.15708	3.31125	0.1705930	0.21548508	2.7554419	21	8 18.7	20.4
382787 2003 SK_{346}	17.3	X	341.08305	356.12180	3.14677	6.01765	0.0701900	0.21840271	2.7308470	21	9 20.3	20.6
382788 2003 SE_{349}	17.2	X	252.01257	34.75363	10.15074	5.40743	0.0874708	0.21073646	2.7966810	21	7 12.5	21.2
382789 2003 SV_{350}	17.9	X	241.68808	161.63130	215.42261	4.21671	0.2174127	0.20564964	2.8426109	21	5 12.6	22.6
382790 2003 SC_{370}	17.3	X	260.27703	99.15433	336.30732	4.54595	0.0558735	0.21704443	2.7422283	21	9 5.3	20.9
382791 2003 SA_{375}	17.1	X	251.74841	225.16595	180.49119	6.77573	0.0787677	0.21102651	2.7941177	21	7 12.1	21.2
382792 2003 SM_{384}	16.9	X	159.35756	164.61577	25.91706	9.52893	0.0407237	0.21911270	2.7249446	21	10 4.6	20.7
382793 2003 SB_{387}	17.2	X	250.10717	303.99575	135.42466	4.09024	0.0462110	0.21453914	2.7635354	21	8 30.4	21.0
382794 2003 TH_{18}	16.5	X	292.27559	108.15083	251.76265	8.43572	0.1528247	0.21036196	2.7999992	21	6 23.8	20.2
382795 2003 TF_{20}	16.1	X	338.32440	93.99928	250.83815	10.81154	0.1947743	0.21603893	2.7507304	21	8 14.4	18.9
382796 2003 UL_{8}	15.7	X	326.49211	111.66210	246.22204	13.25161	0.1430040	0.21184327	2.7869313	21	8 12.3	19.2
382797 2003 UF_{44}	16.8	X	278.91211	178.14672	217.18547	4.05773	0.2080912	0.21158029	2.7892402	21	7 14.1	20.8
382798 2003 UP_{49}	16.4	X	267.34186	119.57023	287.37243	8.15473	0.2211539	0.20956787	2.8070679	21	7 14.1	20.6
382799 2003 UC_{50}	16.6	X	325.07670	44.03084	318.93237	12.16457	0.2783343	0.21510866	2.7586554	21	8 7.4	18.8
382800 2003 UD_{58}	18.3	X	187.27943	45.57546	334.26349	5.37402	0.1650043	0.30707667	2.1758962	21	3 20.8	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382801 2003 UY_{74}	18.0	X	160.93147	100.07373	302.08477	5.59401	0.1527732	0.30567200	2.1825571	21	3 21.4	21.1
382802 2003 UT_{130}	16.6	X	319.43138	84.63362	268.47726	12.12086	0.1766617	0.21311182	2.7758608	21	7 22.6	19.8
382803 2003 US_{136}	15.9	X	217.73455	32.37503	29.08303	15.45288	0.1306948	0.20495421	2.8490374	21	6 18.5	20.6
382804 2003 UY_{136}	18.0	X	130.88257	41.10367	43.30867	4.72299	0.1538417	0.30539362	2.1838832	21	4 17.8	20.6
382805 2003 UA_{144}	17.2	X	75.84117	345.65585	24.34172	5.51005	0.2374887	0.28715890	2.2753831	21	—	—
382806 2003 UZ_{157}	18.2	X	152.93777	51.03763	20.48831	4.16963	0.1175806	0.30569586	2.1824435	21	4 20.7	21.0
382807 2003 UB_{192}	16.2	X	268.93304	26.42725	29.65462	9.69224	0.1543179	0.21021806	2.8012768	21	8 11.2	20.2
382808 2003 UF_{206}	16.1	X	300.85001	153.59207	234.62739	12.83999	0.1979659	0.21179384	2.7873650	21	8 2.9	19.8
382809 2003 UN_{207}	18.1	X	172.36711	105.49452	250.98294	2.64919	0.2003490	0.30117143	2.2042467	21	2 8.1	21.3
382810 2003 UX_{214}	16.7	X	3.52130	287.62115	30.10387	8.55364	0.1691594	0.21493392	2.7601503	21	9 8.3	19.6
382811 2003 UM_{216}	15.9	X	260.55097	342.67008	53.04730	7.30745	0.0445739	0.20881752	2.8137883	21	7 17.5	19.8
382812 2003 UD_{219}	18.3	X	271.88731	61.73202	255.65912	3.12163	0.1898677	0.31262276	2.1500851	21	3 18.6	21.3
382813 2003 UA_{239}	16.5	X	189.91050	190.50023	212.30760	9.86606	0.1032313	0.19906714	2.9049344	21	5 1.1	21.0
382814 2003 UD_{334}	17.2	X	328.02054	124.16986	209.78661	4.70453	0.0405773	0.21294673	2.7772954	21	7 26.2	20.8
382815 2003 UG_{346}	17.3	X	275.25453	249.21483	116.12913	0.52187	0.0859147	0.20911386	2.8111294	21	6 18.7	21.1
382816 2003 UO_{352}	16.9	X	313.30585	239.74321	129.67017	4.25524	0.1053307	0.21396780	2.7684526	21	8 17.1	20.1
382817 2003 UX_{380}	18.3	X	109.58488	344.11497	135.94902	2.61258	0.0830088	0.30971285	2.1635316	21	4 29.9	20.6
382818 2003 VD_{6}	17.6	X	169.08731	337.69350	58.77454	10.31892	0.1414023	0.30339412	2.1934679	21	3 30.2	20.8
382819 2003 VE_{11}	15.9	X	213.21574	35.81204	48.22100	15.72221	0.1176142	0.20424736	2.8556068	21	7 17.1	20.6
382820 2003 WB_{9}	18.0	X	195.20960	73.37518	271.25446	7.01768	0.2945705	0.30356869	2.1926269	21	2 15.4	21.9
382821 2003 WA_{38}	16.2	X	278.38628	154.10131	263.31835	12.62413	0.1791780	0.21029745	2.8005718	21	8 11.7	20.2
382822 2003 WQ_{46}	16.3	X	254.38122	185.57653	239.35849	3.21390	0.0891259	0.20952687	2.8074341	21	8 8.2	20.2
382823 2003 WJ_{79}	16.5	X	324.22837	82.95718	288.37776	3.81698	0.1750107	0.21288489	2.7778331	21	8 29.5	19.4
382824 2003 WE_{86}	15.4	X	12.10977	47.24624	289.85110	14.25056	0.3529440	0.22217696	2.6998317	21	11 16.5	18.3
382825 2003 XB_{22}	19.3	X	105.05751	118.26812	108.79315	29.95239	0.3934193	0.59152106	1.4054732	21	11 22.9	22.1
382826 2003 XL_{28}	17.1	X	234.25227	68.06812	329.17610	1.71856	0.1288763	0.20118497	2.8845121	21	6 6.4	21.4
382827 2003 XN_{30}	16.9	X	343.26381	102.83575	248.39218	3.58515	0.0721676	0.21085441	2.7956379	21	9 9.3	20.4
382828 2003 YW_{2}	16.3	X	250.80385	242.68606	122.89579	3.11219	0.1042697	0.20028938	2.8931044	21	5 18.8	20.5
382829 2003 YP_{22}	18.1	X	281.65266	267.18477	290.65904	16.38964	0.1132802	0.39367901	1.8437748	21	—	—
382830 2003 YA_{181}	15.7	X	113.40881	38.84434	100.58178	11.82732	0.1082093	0.18987986	2.9978975	21	6 11.2	20.1
382831 2003 YC_{181}	18.6	X	115.53194	339.68700	93.13938	3.63763	0.1832501	0.29538667	2.2329318	21	3 19.9	21.2
382832 2003 YD_{181}	16.3	X	197.84076	309.69025	115.96644	7.90594	0.2034999	0.19331665	2.9622602	21	6 5.5	21.3
382833 2004 AS_{5}	17.7	X	70.38678	276.01704	216.19210	5.00488	0.1224475	0.29466593	2.2365714	21	3 20.9	19.7
382834 2004 AC_{21}	16.5	X	219.19370	300.07865	105.56594	6.05684	0.1687166	0.19522993	2.9428748	21	5 31.6	21.3
382835 2004 AT_{23}	18.6	X	26.29009	219.34990	265.89467	2.40687	0.1266069	0.28710595	2.2756629	21	—	—
382836 2004 BQ_{30}	16.0	X	199.22870	96.88397	128.35903	15.93720	0.2151554	0.21102743	2.7941096	21	12 15.9	20.7
382837 2004 BZ_{38}	17.6	X	103.77164	350.68871	105.22278	6.82114	0.0999165	0.29581606	2.2307704	21	3 23.9	20.1
382838 2004 BG_{83}	17.8	X	39.04562	93.29407	104.45059	6.72659	0.3692655	0.29239642	2.2481296	21	6 19.2	18.6
382839 2004 BE_{88}	16.6	X	44.53668	173.25063	332.55202	28.69419	0.1298025	0.28970698	2.2620216	21	2 22.0	18.5
382840 2004 BR_{130}	17.7	X	188.77225	209.43681	131.92955	6.20403	0.1963149	0.29235207	2.2483570	21	2 6.3	21.0
382841 2004 CN_{14}	16.1	X	238.14668	59.95650	333.36936	9.13167	0.1142031	0.19339774	2.9614321	21	6 6.4	20.7
382842 2004 CP_{43}	15.9	X	181.87043	57.21053	338.00887	10.04775	0.0889485	0.18109568	3.0940737	21	4 10.3	20.8
382843 2004 CX_{47}	17.7	X	50.02417	192.53926	316.82303	3.98202	0.1830043	0.29100429	2.2552938	21	3 13.8	19.3
382844 2004 CB_{53}	16.7	X	195.76603	133.15446	271.94480	1.50689	0.1963318	0.19058209	2.9905288	21	5 8.8	21.7
382845 2004 CR_{103}	16.6	X	137.89213	236.72864	271.60743	3.77832	0.2310034	0.19052247	2.9911527	21	7 25.9	21.6
382846 2004 DK_{47}	17.5	X	293.88782	3.01957	196.82548	5.18276	0.1793570	0.27812028	2.3244183	21	—	—
382847 2004 DK_{53}	18.0	X	83.80237	301.10199	122.29112	2.90650	0.2260319	0.28686349	2.2769449	21	1 18.5	19.4
382848 2004 EF_{18}	15.2	X	78.39254	89.57215	77.07385	15.31041	0.2217858	0.18098491	3.0953361	21	6 18.5	19.4
382849 2004 EA_{23}	16.5	X	96.88393	128.92725	62.88027	3.26430	0.2241997	0.18683958	3.0303314	21	8 12.4	21.2
382850 2004 EJ_{30}	16.5	X	107.62528	114.75624	71.15843	2.66861	0.2010264	0.18824000	3.0152832	21	8 13.1	21.3
382851 2004 EA_{54}	17.7	X	33.90131	296.55703	204.66821	2.09487	0.1599975	0.28675300	2.2775298	21	1 22.9	19.5
382852 2004 EF_{72}	17.9	X	18.48734	156.32573	21.32683	1.96483	0.1832157	0.28824449	2.2696664	21	2 15.5	19.3
382853 2004 ER_{88}	17.7	X	326.80413	140.79092	62.49989	6.51127	0.1077883	0.28193346	2.3034121	21	1 8.5	20.5
382854 2004 EC_{96}	16.0	X	43.86323	113.79955	55.98129	17.95246	0.2244883	0.17521093	3.1629713	21	5 3.3	19.5
382855 2004 ED_{96}	16.9	X	348.32769	198.27991	347.45204	23.73647	0.1205425	0.28235395	2.3011246	21	1 22.2	20.0
382856 2004 FK_{28}	16.3	X	45.20827	190.26761	43.77550	1.43943	0.1835905	0.18315725	3.0708125	21	7 24.4	20.1
382857 2004 FY_{28}	17.7	X	306.09976	86.10634	33.19652	22.44034	0.0456089	0.38114101	1.8839915	21	—	—
382858 2004 FE_{42}	17.0	X	337.27447	131.18265	78.01491	6.34863	0.0480892	0.28656681	2.2785162	21	2 10.6	19.7
382859 2004 FE_{83}	17.8	X	10.17338	310.35433	177.51385	1.36970	0.1037780	0.27940096	2.3173099	21	—	—
382860 2004 FT_{84}	17.5	X	316.43853	32.28197	168.12583	5.43328	0.0359745	0.28038019	2.3119113	21	1 1.1	20.4
382861 2004 FZ_{96}	16.2	X	93.77301	64.25842	127.73332	9.59946	0.2049961	0.18664066	3.0324841	21	8 6.2	20.6
382862 2004 FS_{97}	17.2	X	15.41892	78.43164	134.48372	8.01944	0.2307141	0.29042037	2.2583158	21	4 9.8	18.5
382863 2004 FD_{109}	17.4	X	332.97580	138.90392	47.89460	1.96208	0.0534575	0.28109203	2.3080065	21	1 2.8	20.2
382864 2004 FP_{125}	17.5	X	52.73276	145.50735	1.32922	2.24520	0.1365065	0.28860386	2.2677820	21	3 14.2	19.4
382865 2004 FV_{127}	17.2	X	102.41532	61.61558	120.17582	0.74498	0.2186424	0.18587090	3.0408509	21	8 3.7	22.0
382866 2004 FM_{155}	15.9	X	113.68651	90.35277	13.02267	10.21702	0.1141752	0.17864628	3.1222911	21	4 25.3	20.6
382867 2004 FT_{166}	15.3	X	3.00436	316.26012	290.96583	15.01523	0.1771543	0.17688621	3.1429687	21	5 18.7	19.0
382868 2004 GK_{14}	17.0	X	259.65377	140.87938	70.34060	7.98278	0.1454712	0.27030564	2.3690050	21	—	—
382869 2004 GX_{67}	16.1	X	159.15622	328.86529	124.60426	7.08502	0.0760178	0.17970117	3.1100601	21	6 1.9	20.9
382870 2004 HR_{31}	15.9	X	355.07804	194.41360	80.40628	8.56602	0.0740226	0.18072626	3.0982886	21	6 16.3	19.7
382871 2004 HS_{44}	16.7	X	143.83883	118.12726	23.91990	12.45063	0.3262163	0.18850990	3.0124044	21	8 1.1	22.4
382872 2004 HB_{61}	18.4	X	266.05355	70.92282	67.16751	22.38593	0.0786605	0.37319594	1.9106367	21	—	—
382873 2004 JJ_{23}	15.9	X	86.69115	38.86644	130.44837	17.17980	0.1984225	0.18047264	3.1011906	21	6 30.1	20.5
382874 2004 JQ_{51}	15.9	X	54.21481	95.22775	120.72724	6.86560	0.1952432	0.17951261	3.1122376	21	7 15.5	19.6
382875 2004 KE_{1}	21.6	X	134.84171	283.67022	42.76271	2.88340	0.1806937	0.66598829	1.2986486	21	—	—
382876 2004 KQ_{15}	16.3	X	31.69809	358.71643	241.24437	4.75859	0.2147929	0.18022808	3.1039954	21	7 11.6	19.7
382877 2004 LX_{1}	17.6	X	356.60968	13.98997	257.93976	12.30976	0.1173577	0.34891950	1.9982626	21	6 5.1	18.4
382878 2004 LM_{5}	17.2	X	250.74975	158.84403	96.74550	8.96999	0.1982656	0.27163778	2.3612534	21	—	—
382879 2004 LD_{6}	16.2	X	348.36134	21.76081	310.81625	17.44258	0.3244475	0.23285716	2.6166341	21	8 21.3	17.5
382880 2004 LF_{10}	16.3	X	68.59754	201.18079	95.30832	14.34766	0.2776769	0.24257984	2.5462414	21	12 2.7	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382881 2004 LV_{11}	15.8	X	357.16180	234.79005	106.23679	18.57426	0.3237660	0.23534373	2.5981704	21	10 29.9	18.1
382882 2004 LV_{26}	17.5	X	47.96910	207.95748	119.57516	24.54914	0.0895496	0.36088893	1.9538311	21	12 20.2	20.0
382883 2004 ML_{8}	16.4	X	44.97549	176.87229	139.25354	13.53741	0.1407929	0.24092388	2.5578956	21	11 15.5	20.0
382884 2004 NZ_{22}	15.9	X	324.83790	37.09744	314.64014	12.15238	0.2581389	0.22938395	2.6429810	21	7 24.8	18.3
382885 2004 NY_{25}	17.0	X	110.70162	181.89221	132.10107	9.10582	0.1908405	0.25214372	2.4814410	21	—	—
382886 2004 PT_{26}	17.5	X	141.72945	155.37031	144.73721	24.65949	0.0386391	0.37037536	1.9203247	21	—	—
382887 2004 PJ_{27}	16.8	X	36.66529	271.18121	110.16256	8.04591	0.1469124	0.24747661	2.5125417	21	—	—
382888 2004 PD_{40}	16.9	X	311.37161	29.32514	332.12037	9.36055	0.3234085	0.22784117	2.6548985	21	6 27.9	19.8
382889 2004 PG_{54}	16.8	X	348.85150	58.04777	293.12364	3.88385	0.1749424	0.23422361	2.6064472	21	9 23.9	19.1
382890 2004 PW_{55}	16.8	X	337.44536	8.19868	341.10474	12.82569	0.3002089	0.22970757	2.6404980	21	8 21.5	18.4
382891 2004 PK_{63}	17.3	X	137.36875	211.01221	126.04256	7.30536	0.1093338	0.25796241	2.4439844	21	—	—
382892 2004 PN_{85}	16.2	X	292.51320	255.56403	169.60224	17.81615	0.2804019	0.22868366	2.6483739	21	9 1.9	19.3
382893 2004 PC_{88}	16.3	X	290.62453	109.02441	327.54230	28.21179	0.4296576	0.23076829	2.6324004	21	8 20.7	19.6
382894 2004 PK_{95}	16.5	X	332.39329	89.67485	273.85791	10.22682	0.2868926	0.23219531	2.6216040	21	8 23.1	18.6
382895 2004 QS_{9}	17.3	X	15.11218	226.81957	95.64669	4.94226	0.2867537	0.23545294	2.5973669	21	10 28.6	19.7
382896 2004 QM_{17}	16.0	X	355.15836	37.08233	311.35873	29.90698	0.2190650	0.23247345	2.6195125	21	9 15.2	19.1
382897 2004 QZ_{18}	16.5	X	343.06767	71.96060	270.94808	13.88714	0.2990475	0.22951768	2.6419542	21	8 17.4	18.5
382898 2004 QJ_{19}	16.2	X	1.39840	300.66204	46.42503	14.36757	0.2132341	0.23698013	2.5861960	21	10 25.4	18.5
382899 2004 QM_{27}	17.4	X	315.75154	219.90434	132.83055	6.39606	0.2811588	0.22642699	2.6659413	21	6 30.2	20.1
382900 2004 RH_{8}	17.0	X	314.21331	173.67189	224.15253	8.42039	0.1264697	0.23253397	2.6190579	21	9 24.4	19.9
382901 2004 RY_{68}	17.3	X	337.24104	181.24723	167.18078	2.03721	0.2286382	0.23080624	2.6321119	21	8 22.7	19.4
382902 2004 RN_{71}	17.4	X	317.82027	244.92783	95.26265	4.10470	0.3088987	0.22671214	2.6637055	21	6 10.3	20.1
382903 2004 RB_{77}	16.7	X	23.15177	304.95905	39.92807	6.09017	0.2595537	0.23692893	2.5865685	21	12 5.3	19.6
382904 2004 RT_{81}	17.4	X	319.81684	225.76306	196.89220	3.65064	0.2421924	0.23516301	2.5995013	21	11 7.9	19.2
382905 2004 RD_{105}	16.7	X	359.84519	11.48900	330.85892	12.82250	0.1953592	0.23250586	2.6192691	21	10 1.8	19.4
382906 2004 RM_{120}	17.3	X	2.33313	3.88168	3.24578	3.35985	0.2072597	0.23727473	2.5840548	21	11 21.4	19.9
382907 2004 RZ_{139}	17.1	X	328.36757	223.15342	164.51781	11.08505	0.3100888	0.23192800	2.6236180	21	9 29.3	18.5
382908 2004 RY_{158}	17.0	X	338.67526	162.87113	207.47459	6.02418	0.2203973	0.23219395	2.6216142	21	10 1.7	19.1
382909 2004 RF_{168}	17.2	X	18.45056	115.57424	207.11893	7.00278	0.2015979	0.23599483	2.5933894	21	10 18.4	19.8
382910 2004 RL_{190}	16.7	X	271.86877	135.00957	217.55319	12.64249	0.2700026	0.21931231	2.7232910	21	5 4.4	21.0
382911 2004 RA_{191}	16.9	X	319.45063	53.13208	330.93788	10.99717	0.3095969	0.22919730	2.6444156	21	8 22.9	19.0
382912 2004 RR_{194}	16.5	X	347.09112	20.51102	347.62435	14.68434	0.2902343	0.23207971	2.6224744	21	10 18.5	18.5
382913 2004 RA_{196}	17.3	X	349.11205	86.83386	297.61747	4.59199	0.3174338	0.23459419	2.6037017	21	12 4.0	19.0
382914 2004 RK_{199}	16.4	X	339.54575	5.07385	354.94393	13.09324	0.2975400	0.22941180	2.6427670	21	9 16.1	17.6
382915 2004 RJ_{200}	16.3	X	322.94930	343.45774	13.36634	13.12723	0.1941153	0.22565769	2.6719969	21	8 12.3	19.2
382916 2004 RX_{207}	16.4	X	326.89777	107.31308	268.30388	14.04562	0.1486457	0.23198800	2.6231655	21	9 7.6	19.5
382917 2004 RP_{214}	16.3	X	335.36774	80.71687	243.89714	11.12993	0.2312690	0.22719861	2.6599018	21	7 6.6	18.7
382918 2004 RU_{217}	16.6	X	310.61498	69.63651	299.99379	10.77076	0.1758368	0.22625393	2.6673006	21	8 2.1	19.6
382919 2004 RS_{245}	16.9	X	251.52801	235.95408	12.05900	5.06591	0.1859768	0.26180939	2.4199844	21	—	—
382920 2004 RO_{249}	17.3	X	338.26232	81.99311	321.90621	6.45915	0.2013280	0.23671736	2.5881095	21	11 22.6	19.6
382921 2004 RE_{254}	16.4	X	305.58118	282.22092	73.51187	12.34117	0.2022112	0.22589578	2.6701192	21	6 30.2	19.5
382922 2004 RW_{324}	17.2	X	311.10743	60.29605	337.56221	11.86848	0.2780940	0.22883586	2.6471994	21	8 30.3	19.5
382923 2004 RZ_{339}	16.8	X	348.32058	138.01948	238.59948	9.16014	0.1431269	0.23710838	2.5852633	21	10 31.2	19.5
382924 2004 RJ_{341}	16.5	X	34.84422	57.82043	271.09225	13.89854	0.1297124	0.23597610	2.5935266	21	11 8.3	20.0
382925 2004 SJ_{52}	17.2	X	338.82295	78.73509	286.16431	4.25949	0.2129700	0.23209339	2.6223714	21	9 21.5	19.5
382926 2004 SL_{53}	17.3	X	326.47868	184.24104	203.52622	3.87535	0.2026644	0.23159760	2.6261127	21	9 30.2	19.6
382927 2004 TG_{13}	15.9	X	304.71166	194.63252	257.25387	21.61908	0.0592122	0.23928337	2.5695734	21	12 2.6	18.9
382928 2004 TA_{59}	17.0	X	346.89849	157.56646	179.93416	2.14363	0.2227331	0.22960380	2.6412935	21	8 30.4	19.0
382929 2004 TP_{59}	16.6	X	294.04317	253.68634	185.74093	12.51553	0.1539908	0.23289953	2.6163167	21	10 19.5	19.5
382930 2004 TO_{61}	16.1	X	191.51350	40.85778	15.29071	29.44639	0.2477914	0.21288680	2.7778166	21	5 6.4	21.4
382931 2004 TD_{79}	15.8	X	355.66357	85.37616	250.05497	11.87953	0.2140256	0.22921234	2.6442999	21	9 11.4	18.5
382932 2004 TU_{95}	16.3	X	347.66747	312.13349	24.37281	15.16796	0.1581565	0.22764446	2.6564276	21	9 8.2	19.1
382933 2004 TT_{119}	16.6	X	63.63871	58.05241	243.74734	11.10072	0.1931910	0.23763789	2.5814215	21	11 21.9	20.4
382934 2004 TM_{144}	17.1	X	327.42341	207.15649	172.98184	2.32093	0.2633083	0.22946416	2.6423650	21	9 14.9	18.8
382935 2004 TP_{155}	15.1	X	12.79647	44.89400	28.16219	9.04070	0.1436130	0.12657707	3.9285536	21	—	—
382936 2004 TQ_{158}	16.8	X	264.72347	109.04937	28.82927	15.52237	0.0829478	0.23547337	2.5972167	21	11 27.7	20.3
382937 2004 TK_{175}	16.6	X	333.23695	352.08494	30.60607	14.30331	0.2185289	0.23073322	2.6326672	21	10 11.5	18.8
382938 2004 TK_{194}	16.6	X	266.13476	248.87755	220.43963	10.84410	0.2585450	0.22906165	2.6454595	21	9 25.4	20.2
382939 2004 TS_{240}	16.3	X	305.58004	147.77690	244.59065	11.61529	0.1590042	0.22762942	2.6565446	21	8 23.6	19.7
382940 2004 TM_{241}	16.6	X	297.10077	129.14068	307.66477	7.41642	0.1469391	0.23213269	2.6220754	21	10 15.9	19.6
382941 2004 TV_{277}	17.3	X	318.65111	191.84431	191.10608	3.65127	0.2701556	0.22762755	2.6565592	21	8 24.3	19.4
382942 2004 TD_{287}	16.5	X	310.93169	330.57022	51.43267	4.82528	0.1930029	0.22675399	2.6633777	21	8 22.3	19.3
382943 2004 TU_{309}	16.5	X	344.84087	155.70794	256.91688	8.05159	0.1066687	0.23708429	2.5854384	21	12 13.3	19.1
382944 2004 TA_{316}	16.4	X	91.99561	9.80126	195.35385	15.11857	0.0877670	0.22243879	2.6977127	21	8 2.7	20.5
382945 2004 TM_{333}	17.2	X	306.13209	244.07191	218.34333	9.97325	0.0717024	0.23602639	2.5931582	21	12 17.1	20.4
382946 2004 TW_{335}	16.9	X	256.55465	235.53879	215.56815	4.48284	0.0865567	0.22541549	2.6739105	21	9 15.9	20.5
382947 2004 TQ_{343}	17.0	X	9.98423	234.84139	117.15694	1.24020	0.3453110	0.23453085	2.6041704	21	12 8.6	19.5
382948 2004 TP_{357}	16.9	X	334.38812	121.48784	225.53610	9.20277	0.1638977	0.22562910	2.6722227	21	8 13.5	19.9
382949 2004 UA_{5}	16.8	X	323.58535	96.29072	276.41508	13.97125	0.1850144	0.22920738	2.6443381	21	8 24.5	19.7
382950 2004 VP_{10}	16.5	X	322.74136	16.55651	22.18707	17.60081	0.2198393	0.22951402	2.6419823	21	10 9.4	18.7
382951 2004 VB_{11}	16.4	X	316.68956	354.33815	3.05408	14.34835	0.2637903	0.22468567	2.6796977	21	7 17.3	19.4
382952 2004 VA_{13}	16.3	X	359.57327	263.98062	84.94326	13.72485	0.3069444	0.23070629	2.6328721	21	11 8.2	18.5
382953 2004 VH_{16}	17.3	X	286.92485	312.15677	136.89341	5.26553	0.1846882	0.23055778	2.6340026	21	10 16.6	20.2
382954 2004 VY_{24}	17.1	X	282.07997	102.59237	283.76469	2.90756	0.3350301	0.22200039	2.7012632	21	6 18.5	21.0
382955 2004 VJ_{31}	17.2	X	3.97982	304.42322	71.25560	5.32345	0.0674771	0.23235199	2.6204253	21	11 19.2	20.4
382956 2004 VG_{77}	17.0	X	352.92963	175.75080	221.61841	2.37827	0.2312879	0.23428128	2.6060195	21	12 19.9	19.4
382957 2004 VG_{90}	16.2	X	74.62918	253.52341	68.12615	15.66446	0.0506467	0.23287317	2.6165141	21	12 9.9	19.8
382958 2004 VD_{130}	17.6	X	277.08221	62.00220	359.12986	4.58057	0.2680931	0.22362789	2.6881412	21	8 8.8	21.2
382959 2004 XL_{17}	15.8	X	301.21949	351.74676	89.66733	22.96673	0.0352790	0.22688306	2.6623675	21	11 19.9	19.5
382960 2004 XM_{21}	16.3	X	302.37025	149.70471	252.51029	6.91272	0.0923624	0.22352447	2.6889703	21	9 12.3	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
382961 2004 XX_{23}	16.2	X	294.26708	172.84502	279.78829	13.19733	0.2477492	0.22814221	2.6525625	21	10 14.7	19.3
382962 2004 XK_{40}	16.4	X	261.18719	107.98481	336.86912	13.81930	0.2517843	0.22183566	2.7026002	21	8 23.1	20.4
382963 2004 XS_{44}	15.8	X	43.47746	69.12761	255.34873	11.97609	0.2902564	0.23315797	2.6143830	21	12 9.9	19.4
382964 2004 XH_{58}	16.4	X	260.15492	31.29681	17.36044	5.12811	0.1587753	0.21538447	2.7562999	21	7 17.9	20.4
382965 2004 XQ_{92}	16.6	X	280.85972	174.89655	285.68034	4.49509	0.1781635	0.22829146	2.6514062	21	10 18.5	19.8
382966 2004 XX_{96}	16.9	X	307.52082	89.04062	291.71659	12.16436	0.2385535	0.22054907	2.7131006	21	7 31.9	19.9
382967 2004 XQ_{120}	16.8	X	290.61464	97.97333	309.31483	2.82842	0.2070400	0.22296393	2.6934751	21	8 17.4	19.9
382968 2004 XH_{122}	17.1	X	347.11328	127.89676	258.05003	5.27507	0.2345569	0.22993387	2.6387652	21	11 17.9	19.2
382969 2004 XH_{133}	16.5	X	226.78320	175.22836	301.83104	4.01367	0.1146510	0.22089362	2.7102786	21	9 9.2	20.5
382970 2004 XE_{135}	16.2	X	227.33203	13.74208	71.70549	11.49943	0.1442998	0.21609343	2.7502680	21	8 1.1	20.6
382971 2005 AX_{12}	16.2	X	244.91852	201.68498	298.77660	15.59071	0.0941043	0.22400226	2.6851452	21	10 29.1	20.3
382972 2005 AK_{26}	16.4	X	275.14894	346.65656	99.94302	10.64522	0.2045829	0.22153160	2.7050726	21	9 23.8	20.0
382973 2005 AP_{34}	16.3	X	215.01832	3.39108	124.12932	10.12846	0.0946966	0.21597435	2.7512788	21	9 16.2	20.4
382974 2005 AN_{40}	16.6	X	248.74744	165.93037	316.65218	11.14256	0.1632451	0.22166966	2.7039493	21	10 1.4	20.7
382975 2005 AL_{59}	16.9	X	248.12795	129.65921	316.01930	3.88090	0.1305014	0.21585900	2.7522589	21	8 23.2	20.9
382976 2005 AG_{62}	16.7	X	195.14632	170.12811	325.16141	7.05297	0.1872138	0.21218061	2.7839767	21	8 26.6	21.2
382977 2005 AY_{70}	16.7	X	267.14760	319.23012	103.21500	5.99322	0.1230850	0.21498017	2.7597545	21	8 19.7	20.4
382978 2005 BW_{2}	16.1	X	216.19333	245.66486	315.30677	11.87384	0.2080606	0.22418706	2.6836694	21	12 1.8	20.5
382979 2005 BK_{14}	17.2	X	193.93735	82.94922	85.37287	8.39195	0.2243707	0.21682085	2.7441132	21	10 8.1	21.9
382980 2005 BD_{46}	16.9	X	91.41253	287.06138	317.16779	2.40888	0.0399821	0.21376063	2.7702411	21	9 18.4	20.7
382981 2005 CA_{2}	16.0	X	274.13689	148.32755	308.97379	11.19281	0.1398328	0.21957402	2.7211266	21	10 4.5	19.7
382982 2005 CR_{15}	16.7	X	243.96017	10.64764	132.26106	9.69525	0.1455997	0.22238273	2.6981661	21	11 2.9	20.6
382983 2005 CS_{19}	16.6	X	301.40264	281.20076	141.83742	13.36706	0.2610923	0.22265914	2.6959326	21	9 22.9	19.5
382984 2005 CU_{21}	17.0	X	262.43558	287.77351	140.94049	9.68559	0.2283729	0.21641595	2.7475348	21	8 4.8	20.8
382985 2005 CZ_{26}	15.9	X	165.17080	90.17608	148.38272	25.24892	0.1190020	0.22021243	2.7158649	21	12 10.5	20.7
382986 2005 CM_{37}	16.4	X	213.67459	40.27321	132.68649	15.04954	0.1280655	0.22080050	2.7110406	21	11 9.9	20.7
382987 2005 EW_{10}	16.9	X	183.92797	192.96610	335.85823	8.16020	0.2016659	0.21205537	2.7850727	21	9 24.6	21.6
382988 2005 EW_{41}	15.9	X	53.86195	20.17871	317.10914	13.23218	0.1272827	0.22425872	2.6830977	21	12 14.1	19.8
382989 2005 EE_{50}	16.6	X	210.97509	20.99129	155.38187	10.68423	0.1207595	0.21750871	2.7383247	21	11 9.3	20.9
382990 2005 EN_{73}	16.9	X	166.38977	72.00285	131.75264	3.25981	0.1233425	0.21418655	2.7665674	21	10 26.9	21.2
382991 2005 EJ_{88}	16.9	X	223.05166	344.53614	134.18457	3.00479	0.2005720	0.21310573	2.7759138	21	8 31.7	21.4
382992 2005 EV_{157}	16.7	X	41.37593	269.82416	298.40193	0.68122	0.0543095	0.19289881	2.9665364	21	5 27.0	20.4
382993 2005 ED_{190}	17.1	X	264.00720	340.35928	172.79317	3.80552	0.1625367	0.22644920	2.6657670	21	12 7.2	20.4
382994 2005 EY_{291}	16.1	X	260.75505	24.47076	123.26352	10.08835	0.1856906	0.22109683	2.7086176	21	11 23.3	19.7
382995 2005 GO_{10}	16.8	X	198.76206	67.26129	130.47622	2.71303	0.1809815	0.21606136	2.7505401	21	11 15.3	21.1
382996 2005 GR_{227}	17.6	X	299.68827	111.52343	136.45021	6.90828	0.1839952	0.29966291	2.2116381	21	1 19.6	20.6
382997 2005 HY_{3}	17.6	X	133.08762	74.25760	61.52460	10.92507	0.2117695	0.31736986	2.1285912	21	7 6.5	20.8
382998 2005 JL_{19}	15.8	X	354.82198	169.12975	73.06217	15.08117	0.1381474	0.18378093	3.0638612	21	5 4.3	19.5
382999 2005 JS_{80}	15.6	X	36.86962	127.83239	85.87036	10.43457	0.0595185	0.18943067	3.0026348	21	5 29.6	19.5
383000 2005 JH_{107}	15.8	X	241.84292	85.93432	214.89064	10.58427	0.1070820	0.17409914	3.1764227	21	2 17.6	20.9
383001 2005 JO_{133}	15.6	X	74.75285	68.55045	82.81024	11.70752	0.0311473	0.18218345	3.0817455	21	5 1.4	19.9
383002 2005 JW_{137}	15.7	X	271.95442	184.54966	81.83988	17.92659	0.1592040	0.17182944	3.2043332	21	2 10.8	20.9
383003 2005 JW_{149}	15.8	X	253.16961	206.98450	75.73884	17.29635	0.0391471	0.17269101	3.1936665	21	2 24.8	20.7
383004 2005 LA_{9}	16.1	X	262.25341	220.76944	144.52630	9.22616	0.1421068	0.18515914	3.0486386	21	5 28.8	20.7
383005 2005 LR_{10}	17.1	X	214.78156	147.86494	114.70173	6.57590	0.2435266	0.28254525	2.3000858	21	—	—
383006 2005 LE_{19}	17.7	X	69.26778	154.51976	181.96035	5.91261	0.3672078	0.26455760	2.4031962	21	—	—
383007 2005 LT_{38}	16.1	X	286.79543	52.79037	215.66864	10.24626	0.1553310	0.17367299	3.1816167	21	2 20.5	21.0
383008 2005 LU_{47}	17.6	X	127.52786	122.12445	241.05384	1.42452	0.2441523	0.27636460	2.3342522	21	1 10.3	20.4
383009 2005 ML_{11}	16.1	X	254.45150	166.30105	168.57387	10.93328	0.1537837	0.17762244	3.1342778	21	4 12.6	21.0
383010 2005 MY_{12}	16.0	X	138.45614	13.84455	293.64180	24.03351	0.1926858	0.27151433	2.3619691	21	—	—
383011 2005 MS_{17}	17.1	X	154.27107	177.04905	122.84686	7.46600	0.1340372	0.27278224	2.3546444	21	—	—
383012 2005 MF_{27}	17.2	X	233.61965	175.51277	123.28909	8.60399	0.1505986	0.28689992	2.2767522	21	1 24.3	20.7
383013 2005 MS_{30}	17.2	X	99.05845	82.82562	248.89603	4.14936	0.2124911	0.26654882	2.3912127	21	—	—
383014 2005 ML_{31}	16.6	X	354.60375	102.03326	160.74756	7.28169	0.2311168	0.17990390	3.1077232	21	5 24.3	19.8
383015 2005 MS_{35}	15.6	X	307.35028	194.07825	117.03141	10.74952	0.0596378	0.17732318	3.1378033	21	5 29.2	20.0
383016 2005 ME_{39}	17.2	X	114.83173	13.25777	312.69796	4.64037	0.2492663	0.26887162	2.3774209	21	—	—
383017 2005 MW_{42}	17.2	X	148.55144	199.13688	134.25937	3.01567	0.2216267	0.27516086	2.3410550	21	—	—
383018 2005 MD_{43}	17.1	X	141.83818	64.41333	303.64253	6.14582	0.1358619	0.27922012	2.3183104	21	1 18.6	19.9
383019 2005 NR_{9}	16.1	X	330.93136	147.81491	131.28511	18.12125	0.1907407	0.17751531	3.1355388	21	5 9.5	20.2
383020 2005 NW_{14}	17.4	X	87.22782	274.79908	96.02885	2.59182	0.1976502	0.27053620	2.3676589	21	—	—
383021 2005 NY_{17}	16.7	X	146.39544	199.56655	140.43846	9.71623	0.2868254	0.27474502	2.3434166	21	1 7.2	20.2
383022 2005 NC_{20}	17.0	X	187.97817	37.46527	282.45814	11.08581	0.2346300	0.28186197	2.3038015	21	1 13.1	20.8
383023 2005 NJ_{43}	17.3	X	171.43799	22.84867	262.55913	5.15661	0.1292508	0.27392311	2.3481019	21	—	—
383024 2005 NQ_{50}	17.5	X	43.09590	172.22386	280.12348	5.48226	0.0501257	0.27895922	2.3197556	21	—	—
383025 2005 ND_{55}	16.4	X	58.73534	97.88584	139.94803	11.45521	0.1854869	0.18685453	3.0301698	21	8 19.5	20.3
383026 2005 NV_{61}	17.5	X	59.42985	267.38661	118.83658	2.95818	0.2848414	0.26509139	2.3999690	21	—	—
383027 2005 NQ_{74}	17.8	X	117.23271	234.74657	131.08808	1.65621	0.1969805	0.27509557	2.3414254	21	—	—
383028 2005 NK_{76}	17.4	X	83.53083	92.29512	268.24852	6.00774	0.1340087	0.26887876	2.3773788	21	—	—
383029 2005 NM_{98}	15.9	X	44.82007	267.30315	306.65714	15.00660	0.1902938	0.18084300	3.0969551	21	6 28.5	19.7
383030 2005 NL_{123}	17.4	X	128.33256	170.72254	184.68568	2.44090	0.2154720	0.27422305	2.3463894	21	—	—
383031 2005 NS_{125}	17.1	X	102.34099	247.96961	74.46989	22.42039	0.2399779	0.26607026	2.3940791	21	—	—
383032 2005 OK_{20}	17.6	X	116.44811	211.05452	109.50461	2.56643	0.1921027	0.26762230	2.3848140	21	—	—
383033 2005 OX_{31}	17.6	X	74.37190	236.30003	105.38594	5.82241	0.2348298	0.26322871	2.4112776	21	—	—
383034 2005 PH_{24}	17.5	X	60.76922	343.61909	30.10532	1.68674	0.1872385	0.26306317	2.4122891	21	—	—
383035 2005 QV_{2}	16.9	X	173.60282	41.47365	285.87329	7.48384	0.1443036	0.27814443	2.3242837	21	1 3.2	20.2
383036 2005 QN_{3}	17.4	X	61.83604	192.86143	181.27136	2.41567	0.2458503	0.26281044	2.4138354	21	—	—
383037 2005 QC_{8}	17.7	X	82.48944	223.89655	153.43091	1.79662	0.2000934	0.26665480	2.3905791	21	—	—
383038 2005 QX_{12}	17.3	X	163.72259	0.66661	289.70752	4.78652	0.1679103	0.27121725	2.3636936	21	—	—
383039 2005 QJ_{18}	17.5	X	85.30873	244.29020	132.83125	1.92251	0.1981353	0.26654699	2.3912236	21	—	—
383040 2005 QW_{19}	17.4	X	97.49238	189.31342	156.75162	2.85216	0.2220977	0.26548308	2.3976079	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383041 2005 QQ_{32}	15.2	X	296.29692	30.19008	290.72983	26.36292	0.1307711	0.17580206	3.1558771	21	5 9.1	20.1
383042 2005 QZ_{39}	17.2	X	101.50486	94.72815	272.67967	6.40005	0.2385803	0.26941676	2.3742128	21	—	—
383043 2005 QA_{49}	17.6	X	81.90408	300.83476	92.54314	3.62225	0.1833408	0.26854741	2.3793340	21	—	—
383044 2005 QY_{51}	16.9	X	138.32946	24.09270	301.87161	4.94964	0.2361951	0.27197769	2.3592857	21	—	—
383045 2005 QK_{55}	17.4	X	136.91831	297.35578	40.82881	2.92434	0.2341655	0.27174683	2.3606217	21	—	—
383046 2005 QT_{57}	16.8	X	72.79471	69.57613	342.00352	5.74695	0.1175777	0.27062935	2.3671155	21	—	—
383047 2005 QA_{60}	17.6	X	72.89980	213.35062	186.92423	0.80025	0.1840576	0.26699379	2.3885552	21	—	—
383048 2005 QL_{62}	17.7	X	87.10183	27.79903	354.71029	6.70766	0.1224078	0.26945172	2.3740074	21	—	—
383049 2005 QA_{65}	17.3	X	29.47795	12.75291	41.32850	4.93912	0.2319514	0.26103601	2.4247619	21	—	—
383050 2005 QO_{66}	17.4	X	44.28302	337.75958	55.44042	3.03225	0.2013269	0.26140957	2.4224513	21	—	—
383051 2005 QJ_{69}	16.7	X	115.97729	288.38865	47.52379	5.50980	0.2627887	0.26863527	2.3788151	21	—	—
383052 2005 QA_{90}	17.4	X	62.04205	254.54265	151.08307	1.64349	0.1852830	0.26844603	2.3799330	21	—	—
383053 2005 QU_{100}	17.1	X	349.08285	313.56158	314.69406	6.95759	0.1056591	0.29841248	2.2178120	21	5 15.6	19.4
383054 2005 QW_{105}	17.7	X	42.28021	256.09419	93.44701	2.59458	0.2019224	0.25728862	2.4482494	21	—	—
383055 2005 QU_{125}	15.8	X	101.99738	32.03161	163.03729	12.13262	0.0548862	0.17854666	3.1234524	21	7 29.3	20.4
383056 2005 QH_{129}	17.1	X	88.20948	279.02566	143.31884	7.02383	0.0857293	0.27552594	2.3389865	21	1 8.4	19.6
383057 2005 QV_{137}	17.8	X	114.84746	210.73950	140.03414	2.90897	0.2384008	0.26883049	2.3776634	21	—	—
383058 2005 QC_{140}	17.6	X	187.25378	309.85955	358.11737	5.33764	0.1300564	0.27564743	2.3382992	21	—	—
383059 2005 QY_{145}	17.1	X	49.41008	312.18395	101.23531	8.81309	0.1880350	0.26499261	2.4005654	21	—	—
383060 2005 QV_{146}	17.2	X	84.37764	310.63118	49.83324	3.06557	0.2180472	0.26655526	2.3911741	21	—	—
383061 2005 QA_{158}	17.1	X	66.87224	220.18402	132.05446	5.23753	0.1504659	0.26055631	2.4277371	21	—	—
383062 2005 QD_{161}	17.5	X	39.68886	0.16636	73.64351	3.05608	0.1818017	0.26620784	2.3932542	21	—	—
383063 2005 QO_{172}	17.3	X	39.49210	128.33251	305.83726	4.38961	0.1950165	0.26551647	2.3974068	21	—	—
383064 2005 QG_{178}	17.7	X	99.72013	203.02953	189.49315	1.58705	0.1435925	0.27136787	2.3628189	21	—	—
383065 2005 QJ_{181}	17.3	X	44.54428	311.41803	107.28038	3.72535	0.1448400	0.26570321	2.3962834	21	—	—
383066 2005 QF_{183}	17.6	X	71.48952	214.95733	174.48670	2.17802	0.2043904	0.26563778	2.3966769	21	—	—
383067 Stoofke	17.2	X	42.86483	92.14943	308.67924	4.82120	0.1778313	0.26157075	2.4214561	21	—	—
383068 2005 RX_{9}	16.3	X	41.54782	167.00941	233.44262	6.69320	0.2702868	0.26083833	2.4259868	21	—	—
383069 2005 RH_{10}	17.3	X	97.83702	350.05015	349.40208	6.37841	0.1519736	0.26540099	2.3981022	21	—	—
383070 2005 RE_{30}	17.4	X	96.98656	27.01132	328.15201	5.72036	0.1678822	0.26644929	2.3918081	21	—	—
383071 2005 RQ_{40}	17.1	X	35.20850	148.81088	230.40123	3.97654	0.2035234	0.25803682	2.4435146	21	—	—
383072 2005 RQ_{41}	17.7	X	72.50673	292.91760	98.04992	2.89318	0.1912248	0.26618200	2.3934091	21	—	—
383073 2005 RJ_{44}	16.9	X	94.93450	319.27729	45.61817	9.07920	0.1491823	0.26630086	2.3926968	21	—	—
383074 2005 SP_{2}	17.3	X	76.45065	36.99882	318.96108	3.96911	0.2387206	0.26389645	2.4072084	21	—	—
383075 2005 SY_{5}	17.5	X	75.66599	148.52098	241.17928	1.64409	0.1929042	0.26522340	2.3991726	21	—	—
383076 2005 SE_{29}	17.3	X	219.81513	259.57062	343.56631	6.09653	0.0673423	0.26667637	2.3904501	21	—	—
383077 2005 SD_{41}	17.4	X	91.23325	308.38694	15.91387	2.80984	0.2092271	0.26067877	2.4269767	21	—	—
383078 2005 SO_{49}	17.6	X	335.99743	83.16717	24.62615	3.96135	0.0925451	0.25909906	2.4368315	21	—	—
383079 2005 SR_{53}	17.0	X	88.41135	162.74812	217.98108	7.35330	0.1580131	0.26612997	2.3937210	21	—	—
383080 2005 ST_{65}	17.6	X	108.64919	83.40153	261.76842	4.12084	0.2693287	0.26667938	2.3904322	21	—	—
383081 2005 SY_{68}	17.3	X	3.78294	47.21091	13.97533	4.16663	0.1685893	0.25679425	2.4513906	21	—	—
383082 2005 SM_{71}	17.3	X	12.66537	67.61092	354.41024	3.20902	0.2108347	0.26005329	2.4308667	21	—	—
383083 2005 SP_{79}	18.0	X	59.42507	233.61834	153.12945	1.58194	0.1944599	0.26265147	2.4148092	21	—	—
383084 2005 SH_{80}	17.9	X	68.14102	272.64963	142.04808	1.80479	0.1761532	0.26783893	2.3835279	21	—	—
383085 2005 SP_{82}	17.7	X	51.26047	172.94243	215.33459	0.80125	0.1922230	0.26109372	2.4244046	21	—	—
383086 2005 SQ_{82}	17.6	X	19.98911	189.53429	208.02572	2.75172	0.1838119	0.25682719	2.4511810	21	—	—
383087 2005 SV_{86}	17.8	X	31.38421	243.61518	176.99227	3.22880	0.1109308	0.26256925	2.4153133	21	—	—
383088 2005 SG_{88}	17.4	X	200.91252	328.22175	333.53475	3.90198	0.1444401	0.27454681	2.3445443	21	—	—
383089 2005 SU_{88}	17.2	X	100.58866	151.64767	236.88134	1.78357	0.2056860	0.26872416	2.3782905	21	1 1.1	19.5
383090 2005 SJ_{90}	17.7	X	23.78645	231.12480	216.81934	1.68060	0.1523086	0.26320048	2.4114500	21	—	—
383091 2005 SW_{92}	17.3	X	37.02343	231.84029	203.32195	5.46666	0.1150078	0.26464102	2.4026911	21	—	—
383092 2005 ST_{101}	17.5	X	335.81416	151.74625	280.22197	3.56325	0.1590222	0.25313667	2.4749476	21	—	—
383093 2005 SZ_{101}	17.1	X	73.27318	85.73711	327.47359	4.28128	0.1495484	0.26756527	2.3851529	21	—	—
383094 2005 SS_{107}	17.4	X	75.06965	76.17778	234.75806	9.03832	0.2791915	0.25822490	2.4423279	21	12 25.2	21.4
383095 2005 SA_{109}	17.1	X	22.71833	284.44756	199.97592	7.77401	0.0655665	0.27150761	2.3620081	21	—	—
383096 2005 SY_{117}	17.1	X	108.35941	243.15350	99.90714	6.63786	0.2294897	0.26643920	2.3918685	21	—	—
383097 2005 SS_{136}	17.8	X	55.02045	270.46266	174.88789	3.11319	0.1449366	0.27070726	2.3666613	21	—	—
383098 2005 SC_{138}	16.1	X	71.44418	154.75793	227.37813	12.64422	0.2825072	0.26417571	2.4055116	21	—	—
383099 2005 SX_{145}	17.6	X	26.64960	330.48165	101.72327	2.55537	0.1575343	0.26295342	2.4129603	21	—	—
383100 2005 SY_{150}	17.6	X	186.03495	274.28968	29.56099	6.62616	0.1323760	0.27192028	2.3596177	21	—	—
383101 2005 SQ_{154}	17.6	X	209.22765	46.60466	240.60385	2.15135	0.1015131	0.27418249	2.3466207	21	—	—
383102 2005 SJ_{165}	17.4	X	63.34817	335.42358	36.04869	1.99017	0.2139048	0.26204284	2.4185469	21	—	—
383103 2005 SC_{170}	16.8	X	52.15379	173.98768	217.63456	7.51690	0.2644671	0.26223983	2.4173356	21	—	—
383104 2005 SA_{187}	17.1	X	0.75718	260.71344	247.15508	5.24744	0.0744841	0.27277689	2.3546751	21	—	—
383105 2005 SY_{188}	18.1	X	43.23132	217.56222	182.74667	0.96954	0.1918927	0.26024987	2.4296425	21	—	—
383106 2005 SG_{190}	17.4	X	101.79585	250.17359	120.92804	1.65172	0.2286993	0.26717999	2.3874453	21	—	—
383107 2005 SO_{192}	17.3	X	40.79362	226.34797	186.42889	2.13223	0.1678440	0.26061473	2.4273743	21	—	—
383108 2005 SE_{200}	17.4	X	21.54065	13.13067	24.40501	3.95193	0.2157902	0.25659673	2.4526485	21	—	—
383109 2005 SO_{203}	17.6	X	96.57548	299.21330	62.51050	3.44841	0.2010213	0.26559917	2.3969092	21	—	—
383110 2005 SN_{221}	17.5	X	56.77437	68.55530	7.51255	1.22574	0.1630777	0.26701200	2.3884466	21	—	—
383111 2005 SW_{224}	17.4	X	38.71163	320.36787	88.01821	2.37881	0.1771357	0.26060752	2.4274191	21	—	—
383112 2005 SS_{231}	18.4	X	332.24948	34.35810	33.85968	1.89717	0.2132512	0.25008223	2.4950590	21	12 24.0	20.1
383113 2005 SX_{239}	17.0	X	342.06284	176.20195	287.25643	4.91965	0.0654799	0.26089287	2.4256488	21	—	—
383114 2005 SB_{251}	16.7	X	36.35852	46.84965	359.45956	24.36663	0.2778377	0.26226480	2.4171821	21	—	—
383115 2005 SW_{256}	17.2	X	52.67982	19.23154	37.79628	4.15518	0.1812562	0.26569004	2.3963626	21	—	—
383116 2005 SR_{258}	17.1	X	62.01108	122.44310	304.79954	6.97104	0.0695743	0.27121454	2.3637093	21	—	—
383117 2005 SG_{260}	17.3	X	159.02275	53.77203	237.70846	2.87434	0.2134587	0.27014274	2.3699573	21	—	—
383118 2005 SE_{279}	18.1	X	32.55730	284.27277	132.56593	0.27338	0.2038398	0.25970854	2.4330175	21	—	—
383119 2005 SR_{279}	17.7	X	0.87671	15.02210	51.69992	3.27824	0.1846932	0.25678942	2.4514214	21	—	—
383120 2005 SF_{292}	18.0	X	17.78679	29.33727	5.77723	4.26761	0.1391724	0.25565704	2.4586547	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383121 2005 TP_{11}	17.9	X	6.67941	265.91833	191.51554	4.45886	0.1973232	0.26074467	2.4265678	21	—	—
383122 2005 TU_{23}	17.5	X	80.42018	331.76123	55.63571	3.15890	0.2076218	0.26693397	2.3889120	21	—	—
383123 2005 TW_{23}	17.1	X	125.36725	69.74117	293.26271	5.63324	0.1432737	0.27015541	2.3698832	21	—	—
383124 2005 TA_{44}	17.5	X	312.99096	213.49009	298.75102	1.76862	0.1160902	0.26573425	2.3960968	21	—	—
383125 2005 TE_{71}	17.7	X	22.43294	246.46338	189.11387	0.98169	0.1658405	0.26099807	2.4249969	21	—	—
383126 2005 TV_{74}	16.7	X	121.36389	104.20539	285.82194	6.39848	0.1166608	0.27314165	2.3525784	21	1 18.8	19.4
383127 2005 TH_{127}	17.8	X	48.45927	134.73838	280.60937	0.50850	0.1452312	0.26330129	2.4108344	21	—	—
383128 2005 TP_{131}	17.1	X	104.12967	280.77593	40.23295	4.36391	0.1877318	0.26059438	2.4275007	21	—	—
383129 2005 TZ_{154}	17.2	X	17.62954	91.96681	348.32445	6.46551	0.1353778	0.26240697	2.4163090	21	—	—
383130 2005 TE_{179}	17.9	X	67.39075	98.21813	301.49763	2.54824	0.1200894	0.26624234	2.3930474	21	—	—
383131 2005 UX	17.4	X	90.77466	245.94814	107.36012	3.52726	0.2478878	0.26480087	2.4017241	21	—	—
383132 2005 UY_{9}	16.9	X	73.78978	318.21981	65.04339	7.27837	0.1061497	0.26314169	2.4118092	21	—	—
383133 2005 US_{27}	17.5	X	78.99333	2.83501	29.24254	1.59299	0.1686651	0.26458626	2.4030226	21	—	—
383134 2005 UT_{31}	17.8	X	325.00297	292.63949	204.31325	2.76653	0.1214392	0.25989651	2.4318442	21	—	—
383135 2005 UJ_{44}	17.6	X	19.28967	289.26016	137.39482	2.28327	0.1556278	0.25800681	2.4437040	21	—	—
383136 2005 US_{52}	17.0	X	37.71403	347.91953	45.81247	15.21025	0.1643322	0.25768860	2.4457153	21	—	—
383137 2005 UL_{55}	17.8	X	288.15145	122.94505	260.99188	2.92924	0.2637636	0.23688686	2.5868748	21	7 3.0	21.2
383138 2005 UT_{92}	16.7	X	226.92021	338.64577	236.10537	14.18867	0.1124086	0.25767281	2.4458153	21	—	—
383139 2005 UF_{96}	17.3	X	98.73362	249.14922	105.49844	2.37736	0.1860655	0.26272301	2.4143708	21	—	—
383140 2005 UN_{103}	17.7	X	353.43309	7.17560	86.57112	2.11141	0.1459020	0.25647438	2.4534284	21	—	—
383141 2005 UQ_{103}	17.7	X	328.93934	301.21612	178.52821	2.35733	0.1514237	0.25586379	2.4573301	21	—	—
383142 2005 UC_{162}	17.3	X	18.67125	292.38244	84.30518	7.08079	0.2606125	0.25306347	2.4754248	21	—	—
383143 2005 UB_{178}	17.3	X	94.25548	276.00840	33.49429	6.70380	0.1307912	0.25327304	2.4740591	21	12 29.4	21.1
383144 2005 UB_{187}	17.9	X	348.29036	67.39146	37.48282	1.92033	0.1373212	0.25686721	2.4509264	21	—	—
383145 2005 UC_{218}	16.0	X	261.72844	20.47253	112.95045	12.38830	0.1697289	0.23645463	2.5900262	21	11 13.1	19.4
383146 2005 UH_{230}	17.4	X	60.89734	328.40531	68.91969	3.51485	0.1603774	0.26117863	2.4238791	21	—	—
383147 2005 UX_{234}	17.4	X	293.88525	62.34111	132.41164	3.83358	0.0309534	0.26516998	2.3994948	21	—	—
383148 2005 UZ_{265}	17.7	X	193.64941	199.47608	86.66750	3.45751	0.1764524	0.26656812	2.3910973	21	—	—
383149 2005 UL_{267}	17.7	X	4.26248	338.71899	143.59968	2.04854	0.1366345	0.26275000	2.4142055	21	—	—
383150 2005 UT_{285}	17.5	X	67.42430	271.25848	71.67362	5.78407	0.1796166	0.25650292	2.4532464	21	—	—
383151 2005 UV_{311}	17.5	X	263.79185	109.62837	115.54616	2.00164	0.1320297	0.26814541	2.3817114	21	—	—
383152 2005 UD_{316}	16.7	X	349.48559	105.12832	42.15106	13.27733	0.1350989	0.26498987	2.4005820	21	—	—
383153 2005 UH_{321}	17.7	X	18.98946	262.78224	164.57120	2.60987	0.1775059	0.25746352	2.4471405	21	—	—
383154 2005 UL_{323}	17.6	X	350.65916	36.30229	66.33759	3.36373	0.1815065	0.25912248	2.4366846	21	—	—
383155 2005 UE_{334}	17.5	X	16.85321	357.86469	83.20820	3.88428	0.1482560	0.25785135	2.4446861	21	—	—
383156 2005 UE_{343}	17.1	X	30.62684	326.33199	74.63246	8.34323	0.2384409	0.25846211	2.4408333	21	—	—
383157 2005 UX_{386}	17.6	X	326.75640	148.57256	340.95435	1.71048	0.1613114	0.25626832	2.4547434	21	—	—
383158 2005 US_{388}	17.3	X	7.48781	216.41711	230.64184	1.60283	0.1577413	0.26179159	2.4200941	21	—	—
383159 2005 UW_{434}	17.5	X	337.57820	316.26176	211.38440	8.64899	0.0722563	0.26840803	2.3801576	21	—	—
383160 2005 UB_{436}	17.8	X	45.89902	11.48543	33.88074	6.22111	0.0886722	0.26166757	2.4208587	21	—	—
383161 2005 UP_{440}	17.5	X	19.37136	91.69582	340.70505	3.14697	0.2048321	0.25916256	2.4364334	21	—	—
383162 2005 UY_{472}	17.1	X	269.20092	325.22559	263.25487	5.67963	0.1273928	0.26457837	2.4030704	21	—	—
383163 2005 UJ_{477}	17.6	X	58.41073	239.45549	137.51266	2.69698	0.1514263	0.25904297	2.4371832	21	—	—
383164 2005 UD_{486}	17.8	X	10.87110	64.29928	329.70311	4.73230	0.2150391	0.25381995	2.4705039	21	—	—
383165 2005 VJ_{5}	18.2	X	226.56259	5.54271	154.03796	2.89907	0.2854628	0.35950612	1.9588380	21	11 1.4	20.6
383166 2005 VC_{7}	17.4	X	292.05686	193.89503	279.39145	19.52006	0.0861853	0.37518945	1.9038628	21	—	—
383167 2005 VD_{49}	17.8	X	318.43080	182.09773	216.19078	2.07226	0.1821285	0.24315737	2.5422081	21	10 2.4	20.2
383168 2005 VL_{71}	17.6	X	351.33183	349.83804	87.04462	3.33473	0.2123284	0.25278485	2.4772434	21	—	—
383169 2005 VZ_{73}	17.1	X	16.86124	278.03886	78.03515	9.77810	0.0609417	0.24434060	2.5339943	21	11 14.9	20.2
383170 2005 VG_{81}	18.0	X	55.58801	147.00190	234.33915	1.89515	0.1833957	0.25666034	2.4522432	21	—	—
383171 2005 VT_{98}	17.7	X	317.79754	135.00855	259.81887	18.49147	0.1028373	0.36848491	1.9268870	21	10 22.1	19.5
383172 2005 VF_{108}	17.7	X	240.61606	82.07040	50.96236	9.74723	0.2162451	0.24210351	2.5495801	21	10 10.1	21.4
383173 2005 VW_{118}	16.4	X	59.18932	107.11084	296.95359	21.39386	0.2657968	0.26370782	2.4083561	21	—	—
383174 2005 VR_{124}	17.4	X	49.85514	285.68352	173.03701	5.05183	0.1638633	0.26749700	2.3855587	21	—	—
383175 2005 VM_{129}	18.2	X	324.30215	338.57757	123.35499	2.98929	0.1719806	0.25583861	2.4574913	21	—	—
383176 2005 WY_{22}	17.2	X	268.38635	33.03429	55.45930	7.80652	0.1987788	0.23902717	2.5714093	21	9 18.2	20.6
383177 2005 WU_{42}	16.7	X	226.65144	75.33236	258.12741	3.95732	0.0416104	0.21351725	2.7723458	21	3 13.0	20.8
383178 2005 WN_{56}	17.4	X	107.39736	187.06947	78.81046	24.37510	0.0549120	0.37021194	1.9208897	21	12 4.7	19.4
383179 2005 WM_{77}	15.8	X	336.01357	113.19884	338.47055	2.11125	0.1633193	0.12410026	3.9806525	21	12 19.1	20.6
383180 2005 WP_{119}	17.6	X	342.69057	313.60551	150.43966	1.87114	0.1481938	0.25527257	2.4611228	21	—	—
383181 2005 WM_{149}	17.3	X	318.34982	170.45885	323.10349	2.55896	0.0659552	0.25488006	2.4636488	21	—	—
383182 2005 WF_{160}	15.7	X	214.09867	256.20520	291.77276	26.99344	0.3620397	0.23283321	2.6168135	21	10 25.4	20.9
383183 2005 WE_{177}	17.6	X	270.76907	137.48178	343.46650	2.35910	0.0970718	0.24173370	2.5521797	21	11 16.1	20.6
383184 2005 WA_{183}	17.6	X	32.49029	282.86192	77.02969	23.68558	0.0879343	0.37713755	1.8973008	21	—	—
383185 2005 WZ_{187}	17.5	X	0.49122	340.15100	92.73965	3.54189	0.1723036	0.25533374	2.4607297	21	—	—
383186 2005 WS_{193}	17.7	X	323.35336	29.99160	99.34407	24.73558	0.0354857	0.38256858	1.8793017	21	—	—
383187 2005 XV_{8}	17.1	X	156.86705	41.53634	273.36361	5.09031	0.1424521	0.26572856	2.3961310	21	—	—
383188 2005 XS_{42}	17.0	X	19.55575	42.84683	299.95316	3.93060	0.0231557	0.24123749	2.5556783	21	10 22.8	20.4
383189 2005 XT_{57}	16.8	X	118.53163	225.25468	96.73946	4.92942	0.1823940	0.25786829	2.4445791	21	—	—
383190 2005 XN_{66}	17.4	X	281.51919	17.60501	91.80555	24.15279	0.0878170	0.37052343	1.9198130	21	12 23.5	18.3
383191 2005 XG_{111}	16.9	X	343.30377	184.37175	137.46593	2.55893	0.0697925	0.21547011	2.7555695	21	8 1.8	20.3
383192 2005 XJ_{117}	17.5	X	353.51662	240.42663	86.22756	24.58681	0.0760888	0.36104075	1.9532833	21	9 30.2	20.0
383193 2005 YJ_{15}	16.8	X	55.22091	226.86576	111.27118	7.88387	0.1784611	0.24198921	2.5503829	21	12 26.9	20.4
383194 2005 YB_{25}	17.7	X	325.31475	245.73113	266.83054	1.15460	0.1470756	0.25361305	2.4718474	21	—	—
383195 2005 YS_{27}	17.2	X	5.65428	49.47847	345.96497	2.38832	0.2109281	0.24584968	2.5236141	21	—	—
383196 2005 YG_{29}	18.1	X	335.91506	42.02896	41.48521	1.27643	0.1858400	0.24745858	2.5126638	21	—	—
383197 2005 YL_{29}	17.1	X	274.68065	32.77197	101.95016	8.92502	0.0869433	0.24311564	2.5424989	21	12 13.5	20.0
383198 2005 YV_{29}	17.2	X	303.93741	10.27981	86.38507	7.96322	0.2272170	0.24329150	2.5412736	21	11 26.4	19.2
383199 2005 YO_{31}	17.0	X	351.08513	81.26498	285.12438	5.78548	0.1311504	0.23693517	2.5865231	21	10 18.8	19.8
383200 2005 YN_{32}	18.0	X	304.29804	268.44359	172.13501	1.14187	0.1872534	0.24049544	2.5609326	21	11 5.6	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383201 2005 YX_{36}	15.8	X	268.14500	127.51293	311.76595	31.45396	0.2973959	0.23379214	2.6096531	21	8 12.2	19.7
383202 2005 YV_{44}	16.8	X	333.78922	186.81497	219.03217	1.50833	0.1693973	0.24170844	2.5523575	21	11 17.8	19.0
383203 2005 YQ_{47}	17.0	X	125.73330	316.59272	295.64559	17.55283	0.0760442	0.36480248	1.9398323	21	12 6.1	19.6
383204 2005 YB_{57}	17.6	X	43.72268	77.88802	326.30752	3.19671	0.1693366	0.25453104	2.4659005	21	—	—
383205 2005 YS_{57}	15.7	X	7.99640	144.42932	294.78638	9.03216	0.2646768	0.12526598	3.9559182	21	—	—
383206 2005 YZ_{87}	17.0	X	17.79589	68.75118	290.12816	3.12434	0.3004021	0.24319050	2.5419772	21	12 25.1	19.8
383207 2005 YH_{90}	17.1	X	341.63346	116.28436	283.70960	11.08166	0.0527675	0.23895162	2.5719512	21	11 16.0	20.4
383208 2005 YG_{100}	17.3	X	295.13921	43.21659	55.42485	2.72530	0.1013775	0.24220408	2.5488742	21	11 23.9	19.9
383209 2005 YR_{106}	17.0	X	300.42107	334.34960	102.05714	20.29788	0.1357549	0.24023953	2.5627509	21	11 7.9	20.2
383210 2005 YS_{106}	17.2	X	241.44483	335.95596	269.91035	4.56070	0.1538652	0.25619295	2.4552248	21	—	—
383211 2005 YV_{119}	17.0	X	322.82202	294.02768	111.37642	13.81813	0.1963880	0.23973499	2.5663454	21	10 30.3	19.6
383212 2005 YV_{143}	18.0	X	322.04945	97.54874	8.63315	1.15405	0.1658368	0.24626117	2.5208021	21	—	—
383213 2005 YP_{144}	16.6	X	315.21386	269.96571	113.87103	13.16734	0.1732123	0.23253685	2.6190364	21	9 8.5	19.4
383214 2005 YD_{149}	17.0	X	347.12952	1.05477	28.34185	2.97159	0.1341453	0.24003772	2.5641872	21	11 17.1	19.6
383215 2005 YY_{167}	17.1	X	285.49319	28.86378	82.06595	12.64175	0.1917827	0.24127124	2.5554399	21	11 15.8	19.8
383216 2005 YA_{200}	16.6	X	288.93625	158.18755	299.89138	12.64880	0.1284308	0.23957083	2.5675176	21	11 4.0	19.8
383217 2005 YQ_{206}	17.6	X	199.07299	63.70142	113.74901	24.27830	0.0861750	0.36369306	1.9437752	21	11 29.3	20.3
383218 2005 YX_{220}	15.7	X	195.38706	288.31548	309.32502	26.69777	0.3904999	0.23392987	2.6086287	21	12 19.8	20.9
383219 2005 YD_{287}	17.3	X	350.23830	60.81307	50.53740	1.99922	0.1416493	0.25375484	2.4709265	21	—	—
383220 2005 YQ_{290}	17.1	X	343.39937	272.27613	139.98369	7.53886	0.2619551	0.24438830	2.5336645	21	12 29.4	19.1
383221 2006 AY_{4}	16.7	X	269.81005	38.27775	84.33433	15.63060	0.2008738	0.23839166	2.5759771	21	11 6.9	20.0
383222 2006 AA_{50}	16.7	X	133.01902	133.80005	106.39471	12.07456	0.0909252	0.23625271	2.5915018	21	11 12.6	20.7
383223 2006 AW_{55}	16.7	X	4.50938	93.66520	272.00815	2.31113	0.2077302	0.24026658	2.5625586	21	11 25.1	19.1
383224 2006 AR_{74}	16.3	X	273.21352	238.66611	261.30706	10.23490	0.1282231	0.24165422	2.5527393	21	12 11.8	19.3
383225 2006 AM_{79}	17.5	X	48.48450	21.86230	309.05638	19.03638	0.0368202	0.36464589	1.9403877	21	12 16.4	19.8
383226 2006 AJ_{84}	17.1	X	243.40787	35.34228	67.58485	14.05125	0.2311676	0.23187135	2.6240453	21	9 5.7	21.4
383227 2006 AJ_{85}	16.6	X	252.91522	243.10401	290.54338	23.20430	0.2820749	0.24020366	2.5630061	21	12 2.5	20.2
383228 2006 AQ_{100}	17.3	X	232.43850	247.65639	303.66249	3.57915	0.1247866	0.24110888	2.5565870	21	12 22.6	20.5
383229 2006 BG_{3}	17.0	X	14.73659	71.25144	297.97735	7.75752	0.2696368	0.24323758	2.5416491	21	12 29.6	19.9
383230 2006 BJ_{23}	16.8	X	344.49975	276.83463	123.70253	12.26633	0.1288447	0.24023037	2.5628161	21	12 1.5	19.7
383231 2006 BL_{27}	16.3	X	245.63494	228.23317	272.69355	13.05230	0.0779616	0.23799122	2.5788659	21	11 8.1	19.9
383232 2006 BR_{35}	17.0	X	354.59297	20.92750	22.48974	2.79577	0.1865954	0.24293444	2.5437631	21	12 28.6	19.5
383233 2006 BD_{37}	18.0	X	267.48186	147.77055	26.36666	0.72539	0.0921780	0.24577495	2.5241257	21	—	—
383234 2006 BR_{39}	15.9	X	249.49276	116.73065	315.10383	21.54756	0.0507604	0.22677106	2.6632441	21	8 16.2	19.5
383235 2006 BC_{40}	16.5	X	289.50915	0.99669	118.27538	4.90289	0.1128524	0.24048912	2.5609775	21	12 11.9	19.5
383236 2006 BW_{41}	17.0	X	287.11970	146.18179	295.55452	0.60505	0.1598151	0.23282280	2.6168914	21	10 8.1	19.9
383237 2006 BW_{71}	16.9	X	286.31946	72.64329	54.77292	3.20254	0.0979316	0.24134832	2.5548958	21	12 19.2	19.8
383238 2006 BY_{110}	17.4	X	328.00975	11.34291	43.03865	2.91863	0.1620661	0.23849115	2.5752607	21	11 16.9	19.7
383239 2006 BB_{123}	17.0	X	329.63199	69.97469	332.96600	9.15089	0.1117625	0.23348508	2.6119406	21	10 29.1	20.1
383240 2006 BU_{129}	17.1	X	338.08867	312.67910	136.62656	5.98031	0.1527175	0.24480136	2.5308136	21	—	—
383241 2006 BV_{135}	17.8	X	263.82402	6.26499	135.63617	4.78943	0.1838532	0.23805781	2.5783849	21	11 22.1	20.9
383242 2006 BY_{143}	17.3	X	254.28973	260.14886	245.96682	4.21461	0.2224109	0.23819590	2.5773884	21	11 6.5	20.6
383243 2006 BM_{154}	16.7	X	171.26967	62.56333	136.46749	12.51329	0.2162164	0.22844514	2.6502170	21	10 28.2	21.4
383244 2006 BP_{216}	16.9	X	308.53772	294.74169	114.35548	11.92678	0.1391905	0.23442408	2.6049611	21	10 9.1	19.9
383245 2006 BF_{219}	17.4	X	264.06572	219.62830	273.01758	3.88794	0.1975474	0.23945618	2.5683371	21	11 5.5	20.5
383246 2006 BO_{228}	17.4	X	329.14727	54.63855	12.68953	3.09835	0.1651641	0.24173891	2.5521430	21	12 9.4	19.8
383247 2006 BG_{234}	17.2	X	251.29513	87.11816	100.95375	3.94144	0.0086972	0.24606652	2.5221314	21	—	—
383248 2006 BU_{250}	16.9	X	324.84486	284.76259	140.97272	9.23272	0.1504338	0.23806243	2.5783516	21	11 29.8	19.6
383249 2006 BD_{253}	17.5	X	224.68669	198.58344	307.17366	3.33880	0.1420097	0.23203699	2.6227963	21	10 11.4	21.5
383250 2006 BA_{268}	16.3	X	261.38769	0.14228	110.67422	11.92408	0.1097785	0.23323182	2.6138311	21	10 23.7	19.9
383251 2006 BX_{278}	16.8	X	201.03828	260.83690	164.32069	5.12392	0.0276454	0.21127316	2.7919426	21	6 11.8	20.8
383252 2006 BW_{283}	16.7	X	30.53837	215.31781	153.52092	22.36210	0.0397810	0.23510462	2.5999317	21	12 16.8	20.6
383253 2006 CJ_{6}	16.8	X	313.35792	85.77144	310.66475	11.78887	0.2877231	0.23466018	2.6032135	21	8 28.1	19.1
383254 2006 CJ_{9}	17.0	X	225.63400	357.30371	151.43079	4.07128	0.1422340	0.23270016	2.6178108	21	10 19.5	20.8
383255 2006 CV_{26}	17.5	X	231.01895	241.57324	317.54749	3.36040	0.1739434	0.24110503	2.5566143	21	12 23.9	20.9
383256 2006 CV_{33}	16.5	X	153.20166	305.70129	299.58733	12.01767	0.1595522	0.23567426	2.5957405	21	12 3.5	20.8
383257 2006 CL_{38}	17.2	X	251.81493	204.85053	322.79324	8.30525	0.1537381	0.23879844	2.5730510	21	12 12.1	20.5
383258 2006 CC_{60}	17.6	X	267.08511	125.90002	342.88437	18.82567	0.0843455	0.36049988	1.9552365	21	11 11.1	19.9
383259 2006 CY_{62}	16.3	X	279.81798	40.29097	60.89002	18.59208	0.1140408	0.23542465	2.5975750	21	11 4.5	19.5
383260 2006 CA_{66}	16.8	X	206.02389	261.14734	285.78632	3.85651	0.3065415	0.23032915	2.6357454	21	10 30.0	21.5
383261 2006 DE_{20}	17.4	X	40.10652	200.44543	135.05146	6.06658	0.0238106	0.23251549	2.6191968	21	11 12.8	20.9
383262 2006 DS_{45}	16.6	X	274.07019	73.66528	38.88828	4.62905	0.2071388	0.23640339	2.5904005	21	10 23.7	19.4
383263 2006 DJ_{55}	16.3	X	186.47416	301.75168	289.98142	10.47687	0.1462194	0.23495889	2.6010066	21	12 19.2	20.4
383264 2006 DO_{56}	16.5	X	337.42274	256.58275	118.70915	6.75645	0.1100908	0.22768755	2.6560925	21	10 10.9	19.5
383265 2006 DT_{57}	17.3	X	275.05817	192.87937	331.48673	3.45566	0.1772054	0.24103649	2.5570989	21	—	—
383266 2006 DK_{65}	17.6	X	274.54422	47.52971	95.50101	8.48409	0.2694432	0.24033246	2.5620903	21	11 26.9	20.3
383267 2006 DA_{66}	16.3	X	158.57399	35.68705	113.52845	14.23150	0.1376643	0.21815401	2.7329221	21	8 13.6	20.7
383268 2006 DC_{76}	17.3	X	309.17631	320.98951	127.50880	4.09811	0.1465501	0.23767182	2.5811758	21	11 30.5	19.9
383269 2006 DS_{80}	17.1	X	279.36787	104.90512	338.94020	4.45676	0.1994279	0.23145281	2.6272077	21	9 21.4	20.4
383270 2006 DB_{82}	17.0	X	218.71727	344.61640	160.46043	3.36954	0.1204761	0.22843647	2.6502841	21	10 8.6	20.8
383271 2006 DU_{95}	16.6	X	302.73630	68.77956	2.21683	12.03284	0.2176070	0.23085184	2.6317653	21	10 9.8	19.2
383272 2006 DZ_{104}	16.3	X	261.46722	50.02228	345.16440	10.55668	0.1360577	0.21673044	2.7448762	21	7 5.3	20.3
383273 2006 DD_{114}	16.7	X	228.72812	24.54270	160.58745	12.24650	0.0900614	0.23703919	2.5857663	21	12 15.3	20.4
383274 2006 DD_{122}	17.2	X	293.29359	239.47108	241.11371	4.02816	0.1925618	0.24214932	2.5492586	21	12 11.7	19.7
383275 2006 DS_{132}	17.3	X	206.00778	116.86884	67.04136	3.79091	0.0749842	0.23262807	2.6183516	21	11 17.2	21.0
383276 2006 DW_{136}	16.8	X	345.50989	351.38107	19.14521	5.51457	0.1169961	0.22777224	2.6554340	21	10 14.9	19.5
383277 2006 DW_{145}	17.6	X	351.31865	14.49517	15.79239	2.02290	0.1806294	0.23368355	2.6104615	21	11 29.2	20.1
383278 2006 DO_{150}	16.8	X	69.83093	356.13033	255.02016	2.52503	0.1355357	0.21622858	2.7491218	21	9 13.6	20.5
383279 2006 DM_{152}	17.1	X	142.19370	18.15384	185.19219	7.36064	0.0848227	0.22167519	2.7039044	21	10 1.3	21.2
383280 2006 DF_{153}	17.4	X	248.34343	8.96659	137.01052	3.43908	0.0259990	0.23478867	2.6022636	21	11 28.8	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383281 2006 DZ_{171}	17.7	X	214.69480	176.39965	19.20364	3.94922	0.1096869	0.23465199	2.6032740	21	12 7.2	21.4
383282 2006 DM_{175}	16.5	X	245.14888	233.24288	138.84009	4.86621	0.1158009	0.21002008	2.8030370	21	5 19.6	20.7
383283 2006 DR_{178}	17.0	X	51.90078	267.84755	8.54120	5.88054	0.0058826	0.22089570	2.7102615	21	9 6.9	20.5
383284 2006 DC_{184}	16.3	X	228.46426	102.19295	12.16781	11.47714	0.0587324	0.22307635	2.6925702	21	9 18.7	20.0
383285 2006 DA_{196}	16.8	X	231.13154	154.31599	50.60991	4.87302	0.1427138	0.23907546	2.5710630	21	—	—
383286 2006 DB_{198}	16.1	X	242.73096	244.43702	283.68648	12.24038	0.1211135	0.23639769	2.5904422	21	12 5.2	19.6
383287 2006 DB_{199}	16.0	X	46.11349	153.77756	95.99701	13.93011	0.1615756	0.21206224	2.7850125	21	8 17.9	19.5
383288 2006 DL_{201}	16.7	X	254.35171	34.77433	81.40290	14.25288	0.1271208	0.23120898	2.6290544	21	10 19.8	20.5
383289 2006 DC_{206}	16.7	X	229.79272	131.16716	353.85637	11.71060	0.0464266	0.22698349	2.6615821	21	10 1.6	20.5
383290 2006 DB_{211}	17.4	X	279.18937	292.58268	165.05595	4.87983	0.1870081	0.23256068	2.6188575	21	10 14.8	20.3
383291 2006 ES_{17}	17.1	X	130.32202	28.23829	179.10148	2.46118	0.0237092	0.22081621	2.7109120	21	9 18.8	20.8
383292 2006 EO_{21}	17.8	X	303.09714	307.92847	153.88060	5.07536	0.1989474	0.23991453	2.5650649	21	12 4.1	20.1
383293 2006 EV_{21}	17.2	X	5.41393	300.65798	15.15601	1.65953	0.0438634	0.22078418	2.7111742	21	8 28.7	20.5
383294 2006 EO_{22}	17.3	X	309.28227	79.70750	345.94064	12.52918	0.2594457	0.23615376	2.5922256	21	10 8.1	19.6
383295 2006 EL_{28}	17.2	X	312.88611	270.20822	155.16057	4.08976	0.1758689	0.23397619	2.6082844	21	11 1.7	19.8
383296 2006 EL_{49}	17.3	X	353.80041	351.45588	47.73817	3.61563	0.1245443	0.23550704	2.5969691	21	12 10.8	20.2
383297 2006 EC_{72}	16.6	X	184.05735	121.28898	76.31741	17.88948	0.1802657	0.22367995	2.6877241	21	11 7.6	21.2
383298 2006 FR_{23}	16.7	X	259.36547	320.54351	189.08935	13.49493	0.1978524	0.23429914	2.6058871	21	11 23.4	20.1
383299 2006 FK_{28}	17.0	X	180.20705	132.57090	43.98159	4.81655	0.0556390	0.22117924	2.7079448	21	10 10.5	20.9
383300 2006 FM_{53}	17.0	X	176.13857	140.14962	60.30268	3.24808	0.1401117	0.22491786	2.6778531	21	10 31.9	21.3
383301 2006 GR_{5}	16.6	X	295.79644	22.46525	63.09044	6.50763	0.0929507	0.22973651	2.6402762	21	11 6.4	19.6
383302 2006 GA_{8}	16.7	X	149.60666	124.70680	52.13591	5.72393	0.0559326	0.21766999	2.7369719	21	9 7.2	20.7
383303 2006 GV_{37}	15.6	X	257.72552	23.36439	92.04478	27.89938	0.2174148	0.23172467	2.6251525	21	10 19.2	19.8
383304 2006 GN_{39}	16.6	X	252.12314	70.60764	73.79035	13.74221	0.1735183	0.23275024	2.6174353	21	11 11.7	20.2
383305 2006 GZ_{43}	17.2	X	131.34079	107.16384	89.71322	2.26789	0.0846975	0.21563983	2.7541234	21	9 11.8	21.3
383306 2006 GU_{49}	16.3	X	162.72547	143.33406	95.22678	14.75116	0.2163345	0.22714169	2.6603461	21	12 3.8	20.9
383307 2006 HN_{11}	16.7	X	239.39059	343.98990	126.05143	6.36977	0.0277182	0.21938928	2.7226539	21	10 1.2	20.5
383308 2006 HR_{20}	16.2	X	131.37885	339.45940	217.83474	12.68149	0.1092550	0.21439029	2.7648143	21	9 8.5	20.6
383309 2006 HW_{29}	16.2	X	106.37934	154.23065	120.61495	12.47257	0.1735634	0.22403507	2.6848831	21	11 30.0	20.7
383310 2006 HO_{60}	16.8	X	210.38997	55.00571	162.89310	13.75185	0.2345641	0.23177183	2.6247964	21	12 17.4	21.2
383311 2006 HU_{65}	17.4	X	104.11599	354.14291	202.14434	4.41258	0.0814064	0.20885125	2.8134854	21	8 7.1	21.4
383312 2006 HN_{67}	16.3	X	333.15214	268.63792	41.40836	7.26036	0.0384919	0.20459375	2.8523828	21	7 2.9	20.1
383313 2006 HZ_{70}	16.1	X	80.06433	150.47773	91.78923	9.62050	0.1576430	0.21256051	2.7806586	21	9 24.0	20.3
383314 2006 HT_{74}	17.2	X	192.58879	7.06808	157.70247	4.28151	0.0743494	0.21979029	2.7193413	21	10 8.3	21.1
383315 2006 HA_{77}	16.9	X	215.54542	87.46499	105.34750	12.23297	0.1956534	0.22880771	2.6474166	21	11 27.3	21.1
383316 2006 HU_{82}	16.6	X	34.40163	70.00396	226.62957	6.66080	0.0679637	0.21210097	2.7846735	21	9 12.8	20.4
383317 2006 HC_{92}	16.6	X	251.44192	287.86848	194.41376	9.87698	0.1796729	0.22440142	2.6819602	21	10 8.1	20.3
383318 2006 HN_{93}	16.9	X	202.23760	339.03743	144.48630	10.41937	0.1566424	0.21500298	2.7595593	21	8 20.9	21.3
383319 2006 HO_{102}	16.7	X	288.26509	338.70924	76.91505	7.42581	0.0298921	0.21486725	2.7607213	21	9 25.1	20.4
383320 2006 HH_{120}	16.9	X	160.40401	131.06230	62.33739	6.17725	0.1212192	0.21876882	2.7277994	21	10 10.2	21.2
383321 2006 HN_{121}	16.7	X	294.48520	257.01740	133.08091	13.03913	0.0683121	0.21071332	2.7968857	21	8 21.9	20.3
383322 2006 HB_{151}	16.2	X	215.97080	76.79658	40.67309	9.96099	0.0917981	0.21721747	2.7407719	21	9 6.5	20.3
383323 2006 JL_{6}	16.5	X	230.26132	79.67207	61.02593	12.33769	0.1460612	0.22360878	2.6882943	21	10 16.4	20.5
383324 2006 JU_{18}	16.4	X	119.48297	92.40068	63.13066	15.67235	0.0939094	0.20480812	2.8503920	21	7 6.2	20.7
383325 2006 JR_{41}	16.0	X	105.68429	166.00794	93.24418	15.72698	0.1478261	0.21776799	2.7361507	21	11 10.8	20.5
383326 2006 KF_{12}	16.4	X	249.79299	317.07921	145.63272	12.27406	0.1419061	0.22111453	2.7084731	21	9 18.2	20.2
383327 2006 KD_{17}	16.7	X	136.74186	80.54368	125.69373	7.89442	0.2108671	0.21622538	2.7491490	21	10 7.0	21.4
383328 2006 KW_{18}	16.4	X	87.25235	124.82145	147.44042	13.77910	0.1029097	0.21857793	2.7293873	21	11 2.3	20.6
383329 2006 KG_{38}	16.7	X	151.97982	118.34340	117.04216	8.01310	0.2043757	0.22384978	2.6863645	21	11 21.8	21.4
383330 2006 KM_{41}	16.9	X	235.82813	319.20874	234.57152	4.84602	0.2265598	0.23269521	2.6178480	21	12 13.9	20.5
383331 2006 KS_{48}	16.7	X	101.23123	137.33309	93.06694	4.98015	0.0401578	0.21242435	2.7818467	21	9 16.2	20.6
383332 2006 KY_{57}	16.9	X	84.06400	135.75774	123.36755	5.04500	0.0557516	0.21398721	2.7682853	21	10 3.9	20.7
383333 2006 KZ_{59}	16.3	X	346.94074	236.00317	135.07491	6.86390	0.0524947	0.21575351	2.7531559	21	10 17.4	19.8
383334 2006 KB_{61}	17.0	X	235.71417	62.80193	104.86363	8.25658	0.2681392	0.22982974	2.6395622	21	11 8.9	21.1
383335 2006 KB_{66}	16.8	X	350.27949	151.44738	138.01451	2.80962	0.0256261	0.20488519	2.8496772	21	6 29.9	20.5
383336 2006 KW_{105}	16.4	X	201.28987	339.85243	123.55328	10.07575	0.1472905	0.21278814	2.7786751	21	7 25.9	20.6
383337 2006 KH_{120}	17.4	X	224.69473	167.88802	80.50804	23.73597	0.0463949	0.36768521	1.9296799	21	—	—
383338 2006 KZ_{122}	16.6	X	199.47944	71.55702	131.71018	12.84029	0.1220208	0.22858740	2.6491173	21	12 1.3	20.8
383339 2006 PX_{10}	15.4	X	227.78207	40.37246	319.20741	22.11726	0.1056524	0.17935027	3.1141153	21	4 4.7	20.7
383340 2006 PN_{19}	15.7	X	205.21311	51.28005	325.52794	9.12246	0.1880189	0.17709507	3.1404971	21	4 10.2	21.1
383341 2006 PQ_{37}	15.7	X	119.48920	108.98392	120.22102	17.65247	0.1346115	0.20905861	2.8116246	21	10 19.3	20.4
383342 2006 QT_{22}	15.3	X	242.09974	201.15637	155.72508	23.03773	0.0311141	0.18253687	3.0777663	21	5 11.8	20.2
383343 2006 QY_{96}	17.0	X	55.23564	327.33134	10.38655	10.51648	0.2489250	0.27450713	2.3447703	21	—	—
383344 2006 QS_{103}	18.5	X	175.37388	204.32327	184.49463	1.66462	0.1556254	0.30483469	2.1865519	21	3 22.0	21.6
383345 2006 QV_{107}	16.1	X	206.16485	148.04542	172.79958	15.23596	0.1622208	0.16826287	3.2494550	21	2 9.2	21.6
383346 2006 QE_{110}	16.9	X	341.59138	73.81178	214.65222	2.02654	0.0420422	0.18646750	3.0343612	21	6 15.8	20.8
383347 2006 QF_{160}	16.6	X	191.35087	195.90190	207.18179	1.17070	0.1221381	0.17685153	3.1433797	21	5 4.0	21.6
383348 2006 QJ_{170}	16.6	X	52.11162	346.98725	49.51470	24.33797	0.1941913	0.28213388	2.3023211	21	—	—
383349 2006 RC_{23}	17.8	X	160.89349	184.44736	175.10710	4.38672	0.1857991	0.29695305	2.2250726	21	1 30.9	20.9
383350 2006 RS_{25}	16.1	X	194.48787	115.47579	302.00602	7.56334	0.1311737	0.18125883	3.0922168	21	5 22.7	21.2
383351 2006 RK_{27}	17.7	X	194.77685	12.29149	346.51609	6.94638	0.1753351	0.30151853	2.2025547	21	3 3.6	21.1
383352 2006 RS_{28}	16.2	X	168.83040	249.25749	190.01436	9.99559	0.0805053	0.18257000	3.0773940	21	5 25.8	21.0
383353 2006 RP_{40}	15.9	X	249.54089	37.87190	273.51313	9.13378	0.0622512	0.17561408	3.1581287	21	3 12.3	20.8
383354 2006 RW_{56}	17.7	X	225.66306	170.39624	176.68042	2.22272	0.1296525	0.30501600	2.1856853	21	3 17.2	20.5
383355 2006 RQ_{121}	16.0	X	268.14674	171.28919	179.73906	10.91634	0.0733529	0.18261521	3.0768861	21	5 26.5	20.5
383356 2006 RG_{122}	17.3	X	184.11027	71.50249	304.23281	6.31149	0.1159065	0.30328489	2.1939945	21	3 8.7	20.4
383357 2006 SC_{9}	17.0	X	317.32133	24.87822	235.72952	7.38841	0.2209484	0.31176478	2.1540280	21	2 15.7	19.7
383358 2006 SW_{10}	16.3	X	50.59740	298.96531	303.43566	15.02061	0.1084188	0.19292922	2.9662247	21	7 31.9	20.1
383359 2006 SZ_{10}	15.9	X	217.34244	330.30434	5.33147	5.19166	0.1614673	0.17054881	3.2203538	21	3 9.7	21.1
383360 2006 SP_{17}	17.5	X	43.15461	118.12855	236.32021	2.41579	0.2442458	0.27305660	2.3530668	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383361 2006 SL_{28}	18.1	X	122.06475	151.50119	258.63795	5.41216	0.1000447	0.30011534	2.2094147	21	2 6.2	20.6
383362 2006 SE_{41}	18.2	X	147.69667	336.16391	28.59732	2.21638	0.1911436	0.29403402	2.2397747	21	1 26.3	21.0
383363 2006 SQ_{41}	16.0	X	235.65353	235.46061	184.75524	7.26049	0.1617052	0.18429807	3.0581271	21	7 3.5	20.9
383364 2006 SN_{59}	17.5	X	191.89794	261.90541	106.32065	4.09832	0.1872357	0.30160208	2.2021480	21	3 15.2	20.9
383365 2006 SV_{59}	17.6	X	101.47580	316.47415	46.09251	7.87541	0.1675213	0.28623550	2.2802741	21	—	—
383366 2006 SO_{76}	17.7	X	97.60338	83.34417	39.60839	4.98796	0.0708892	0.30302788	2.1952348	21	4 14.4	20.1
383367 2006 SA_{111}	17.3	X	182.97086	300.16848	84.63100	6.51371	0.1748309	0.30228307	2.1988393	21	3 29.3	20.7
383368 2006 SZ_{114}	16.5	X	322.65230	228.73922	12.77666	3.18702	0.0834150	0.17124560	3.2116123	21	3 18.2	20.6
383369 2006 SD_{121}	17.2	X	164.30105	255.95929	123.65158	5.84495	0.2049312	0.29788166	2.2204460	21	3 5.6	20.5
383370 2006 SG_{133}	17.7	X	188.63972	77.07325	260.88661	4.08312	0.1974317	0.29925515	2.2136466	21	1 30.6	21.1
383371 2006 SU_{163}	18.0	X	77.88745	269.18141	189.15091	5.49526	0.1424825	0.29319610	2.2440400	21	2 13.6	20.1
383372 2006 SC_{167}	15.7	X	337.02553	16.07144	204.18907	9.52924	0.0603093	0.16967313	3.2314244	21	3 11.7	20.1
383373 2006 SJ_{169}	16.4	X	203.62192	359.39244	349.87459	9.18877	0.1361803	0.16961982	3.2321015	21	3 12.9	21.6
383374 2006 SH_{213}	16.0	X	214.96421	162.05265	199.91249	8.80279	0.2056139	0.17369132	3.1813929	21	4 4.4	21.5
383375 2006 SZ_{214}	18.0	X	168.41352	75.83023	298.05879	1.75141	0.2029984	0.29844747	2.2176387	21	2 27.5	21.2
383376 2006 SN_{229}	18.0	X	107.96611	148.23434	333.04038	4.47465	0.0847901	0.30629311	2.1796055	21	4 26.5	20.4
383377 2006 SQ_{252}	18.1	X	175.63393	192.61135	200.52333	1.90474	0.1559252	0.30276474	2.1965066	21	3 28.0	21.1
383378 2006 SZ_{261}	18.1	X	210.40281	174.95174	179.45888	2.32303	0.1861018	0.30259951	2.1973061	21	3 11.8	21.5
383379 2006 SL_{289}	15.8	X	240.94139	230.98681	140.08708	11.41915	0.1442015	0.17799158	3.1299429	21	5 15.2	20.9
383380 2006 SF_{316}	16.3	X	254.30308	157.15496	167.19601	5.27321	0.1583427	0.17368859	3.1814262	21	3 29.5	21.2
383381 2006 SY_{364}	17.9	X	145.74528	86.08755	332.23962	5.64137	0.1204327	0.30108402	2.2046733	21	3 24.1	20.8
383382 2006 SG_{376}	16.2	X	88.01807	62.13085	140.02058	8.07625	0.1740989	0.18389057	3.0626433	21	8 8.1	20.6
383383 2006 SW_{384}	16.1	X	183.51977	306.78915	98.75604	10.45403	0.0279033	0.17092142	3.2156718	21	5 2.4	20.9
383384 2006 SG_{396}	15.9	X	141.26348	269.79121	193.74557	14.26457	0.0944283	0.17590250	3.1546757	21	5 27.6	20.8
383385 2006 SB_{409}	17.7	X	148.92434	336.32420	31.96580	3.84903	0.1544601	0.28962690	2.2624385	21	1 29.1	20.6
383386 2006 TR_{8}	17.7	X	171.47087	7.17383	34.23558	4.70378	0.1398584	0.30096363	2.2052612	21	4 4.1	20.8
383387 2006 TC_{11}	16.0	X	262.58832	267.79663	39.99739	11.33331	0.2284815	0.17257770	3.1950642	21	3 15.8	21.3
383388 2006 TK_{18}	15.6	X	225.47931	226.02622	194.58877	9.76747	0.1183432	0.18016320	3.1047406	21	6 27.4	20.5
383389 2006 TJ_{21}	17.6	X	99.06125	13.18766	40.36510	3.03078	0.1375795	0.28897654	2.2658317	21	1 18.5	19.7
383390 2006 TA_{22}	17.7	X	102.27559	345.78282	71.33637	3.82389	0.1234977	0.29001435	2.2604230	21	1 26.7	19.9
383391 2006 TL_{23}	18.0	X	104.30103	357.24084	54.11218	3.52220	0.1277243	0.28992661	2.2608790	21	1 22.3	20.3
383392 2006 TU_{23}	17.8	X	296.02405	237.42839	44.75205	7.17454	0.0937180	0.30396728	2.1907097	21	3 17.9	20.4
383393 2006 TE_{30}	17.8	X	124.86540	21.59007	47.43709	3.84194	0.1514323	0.29635780	2.2280510	21	3 21.5	20.5
383394 2006 TP_{33}	15.8	X	291.25775	268.60833	33.03376	14.14640	0.1715551	0.17512728	3.1639785	21	4 10.1	20.3
383395 2006 TB_{59}	17.8	X	109.31060	248.24837	212.40376	5.18408	0.0651269	0.30007417	2.2096169	21	3 27.4	20.1
383396 2006 TB_{63}	15.6	X	269.70083	358.33183	343.63278	8.82729	0.0753421	0.17786980	3.1313714	21	5 12.0	20.3
383397 2006 TN_{71}	18.5	X	103.69741	91.45486	317.14828	1.39431	0.1957712	0.29009050	2.2600274	21	1 27.8	20.5
383398 2006 TE_{76}	17.7	X	229.43080	247.67329	95.66985	3.24444	0.1740428	0.30471312	2.1871335	21	3 16.7	21.1
383399 2006 TM_{87}	17.6	X	104.39177	191.56923	240.67721	4.37468	0.1245685	0.29256360	2.2472731	21	2 17.0	20.0
383400 2006 TU_{116}	16.3	X	93.66523	3.87632	144.93826	2.55419	0.1695410	0.17450576	3.1714866	21	6 8.0	20.8
383401 2006 UU_{6}	17.2	X	97.15573	0.57531	53.90256	5.71344	0.2033205	0.28871427	2.2672038	21	1 28.9	19.3
383402 2006 UD_{19}	16.0	X	13.89914	40.01308	225.66779	9.48890	0.0464875	0.18155521	3.0888506	21	7 1.2	20.2
383403 2006 UV_{23}	15.8	X	292.16280	263.43869	20.84436	11.35643	0.1761287	0.17253363	3.1956083	21	3 21.1	20.4
383404 2006 UL_{27}	15.7	X	260.37246	134.31867	211.06143	14.72686	0.0481730	0.17471741	3.1689248	21	5 12.9	20.3
383405 2006 UG_{56}	17.6	X	224.48718	41.08312	249.55034	5.17471	0.2000282	0.29966880	2.2116091	21	1 3.8	21.2
383406 2006 US_{67}	17.6	X	156.99832	7.24872	59.89872	5.51713	0.1068631	0.30298425	2.1954456	21	4 20.7	20.4
383407 2006 UF_{70}	17.6	X	186.75859	241.14716	134.71324	3.19283	0.1304677	0.29946047	2.2126347	21	3 16.9	20.8
383408 2006 UQ_{108}	17.9	X	149.80525	227.67507	189.78613	6.62949	0.1361516	0.29815472	2.2190900	21	3 31.9	20.8
383409 2006 UN_{127}	18.0	X	257.28179	294.54667	17.95769	5.85363	0.1604627	0.30406708	2.1902303	21	3 4.6	21.2
383410 2006 UQ_{137}	18.0	X	77.71751	73.61236	3.34206	4.49329	0.1043163	0.28777850	2.2721159	21	1 11.8	20.2
383411 2006 UV_{181}	17.5	X	107.22414	308.33723	99.59028	7.61188	0.2640147	0.28923001	2.2645078	21	2 15.8	20.0
383412 2006 UL_{194}	16.0	X	357.08367	30.96779	210.76390	6.62167	0.0976771	0.17265486	3.1941122	21	5 6.7	19.8
383413 2006 UZ_{201}	17.8	X	123.08039	280.58435	93.65097	7.74172	0.2802469	0.29053473	2.2577231	21	1 22.9	20.5
383414 2006 UV_{211}	17.6	X	108.26361	103.97514	257.19242	4.97911	0.1503899	0.28206169	2.3027139	21	—	—
383415 2006 UM_{213}	17.8	X	117.73394	192.11509	257.57912	3.86863	0.0585390	0.29703746	2.2246511	21	3 22.1	20.4
383416 2006 UC_{215}	17.4	X	88.19936	219.62066	245.24560	4.60740	0.1528562	0.29300619	2.2450095	21	3 15.1	19.7
383417 DAO	16.0	X	86.08665	19.32484	141.27356	13.67164	0.0401732	0.18292301	3.0734335	21	5 28.4	20.5
383418 2006 UZ_{226}	17.7	X	88.58808	47.95367	51.31179	4.27962	0.0651885	0.29687018	2.2254867	21	2 25.9	20.0
383419 2006 UM_{228}	17.6	X	218.40908	67.26849	264.49746	5.66279	0.1843301	0.30029465	2.2085352	21	2 16.2	21.1
383420 2006 UG_{245}	17.5	X	42.46391	141.66800	37.55200	8.30804	0.0298220	0.30327805	2.1940275	21	4 7.0	19.7
383421 2006 UV_{249}	18.3	X	32.95811	288.68928	211.20287	1.77995	0.1526502	0.29085176	2.2560822	21	1 17.9	19.9
383422 2006 UN_{286}	17.4	X	323.19857	167.66206	46.89988	7.85546	0.0332607	0.29373399	2.2412996	21	1 30.3	20.1
383423 2006 UR_{329}	17.6	X	100.25930	16.15072	87.70977	5.41644	0.1275392	0.29481892	2.2357976	21	4 3.5	20.1
383424 2006 UD_{330}	16.6	X	343.87645	104.12655	166.87767	5.63698	0.0810585	0.18067386	3.0988877	21	5 25.8	20.7
383425 2006 UL_{346}	17.6	X	19.90057	255.58217	248.07014	4.26158	0.0907429	0.28808925	2.2704817	21	1 5.5	20.0
383426 2006 UO_{346}	17.9	X	48.93133	24.26472	70.87739	7.86088	0.0610824	0.28430718	2.2905732	21	—	—
383427 2006 VE_{24}	18.3	X	158.11558	151.32344	209.73546	2.80232	0.1802899	0.29175945	2.2514005	21	1 30.2	21.4
383428 2006 VR_{49}	17.5	X	163.16731	112.44223	262.80497	6.33006	0.1097452	0.29216490	2.2493171	21	2 13.6	20.7
383429 2006 VM_{58}	17.5	X	253.71793	215.23676	76.00355	7.47472	0.0948718	0.29454578	2.2371796	21	2 7.3	20.6
383430 2006 VC_{63}	17.8	X	135.13147	344.89663	57.21647	3.74645	0.1493745	0.29201153	2.2501046	21	2 26.1	20.6
383431 2006 VM_{64}	17.8	X	80.28785	15.43675	66.87065	3.49156	0.1652760	0.28719322	2.2752018	21	2 1.7	19.7
383432 2006 VQ_{99}	17.3	X	268.02139	174.68498	77.89992	6.87846	0.0727589	0.29075664	2.2565742	21	1 3.8	20.4
383433 2006 VH_{103}	15.9	X	88.92739	1.32815	91.23475	7.10729	0.0645356	0.15499346	3.4323677	21	3 14.9	20.8
383434 2006 VK_{116}	16.8	X	123.20021	303.11911	73.23772	11.88404	0.1932914	0.28755985	2.2732675	21	1 12.9	19.5
383435 2006 VG_{120}	17.8	X	144.40576	284.83450	64.92948	4.10975	0.1462672	0.28623302	2.2802872	21	—	—
383436 2006 VT_{133}	17.8	X	161.60269	206.97205	175.50300	4.15370	0.1734419	0.29512957	2.2342284	21	3 1.8	21.0
383437 2006 VQ_{135}	17.9	X	105.40438	41.62730	51.53955	2.03627	0.1354199	0.29406426	2.2396211	21	3 25.7	20.4
383438 2006 VS_{136}	17.7	X	211.60884	263.09702	58.86413	7.70803	0.2606347	0.29595138	2.2300904	21	2 5.4	21.6
383439 2006 VB_{142}	17.6	X	151.78477	294.86152	117.66880	4.75912	0.1676747	0.29786670	2.2205203	21	4 2.2	20.7
383440 2006 WB_{8}	17.4	X	104.48854	145.65047	254.58814	5.30307	0.1660792	0.28793349	2.2713005	21	1 11.4	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383441 2006 WC_{33}	16.3	X	210.60023	162.72719	197.40510	2.02430	0.0958345	0.16993585	3.2280930	21	4 2.0	21.3
383442 2006 WF_{36}	17.0	X	280.35478	157.68147	83.73615	10.60107	0.0728155	0.28857255	2.2679460	21	1 3.9	20.0
383443 2006 WE_{37}	17.5	X	126.69580	317.68014	94.66460	5.61788	0.0665102	0.29244854	2.2478625	21	2 16.3	20.1
383444 2006 WW_{52}	18.0	X	358.74800	82.55700	58.77504	6.04738	0.1693613	0.28027098	2.3125118	21	—	—
383445 2006 WY_{61}	17.7	X	124.64839	318.78620	77.31436	7.29698	0.1937773	0.29073998	2.2566604	21	2 12.3	20.5
383446 2006 WC_{88}	18.0	X	151.62605	221.67129	154.51849	3.63574	0.1874675	0.29203071	2.2500061	21	2 13.4	21.2
383447 2006 WU_{103}	17.8	X	22.78436	344.31940	71.95257	3.10294	0.2097643	0.27269963	2.3551199	21	—	—
383448 2006 WD_{105}	17.3	X	221.47196	263.92585	78.08733	4.83983	0.1932111	0.29944987	2.2126869	21	3 8.9	20.8
383449 2006 WK_{127}	16.2	X	31.00889	349.04961	102.28530	28.31774	0.3084051	0.28153386	2.3055912	21	—	—
383450 2006 WL_{129}	17.9	X	127.88477	172.49466	243.34763	1.98942	0.1045964	0.29216000	2.2493423	21	2 25.8	20.5
383451 2006 WV_{152}	17.6	X	121.38582	128.73340	274.93371	5.25172	0.1924653	0.28886319	2.2664245	21	2 13.5	20.4
383452 2006 WE_{158}	18.1	X	41.98680	123.59409	323.84449	3.79965	0.1078853	0.28130453	2.3068440	21	—	—
383453 2006 WD_{201}	17.6	X	53.20145	342.69881	87.52783	6.76760	0.1118456	0.27546128	2.3393525	21	—	—
383454 2006 WC_{205}	16.1	X	89.09004	15.74961	69.61635	7.15650	0.0834448	0.15447295	3.4400738	21	3 9.3	20.9
383455 2006 XU_{17}	17.2	X	94.20133	136.44260	315.25868	3.75699	0.1992946	0.28779791	2.2720138	21	3 15.7	19.6
383456 2006 XP_{32}	17.2	X	92.10846	343.74143	63.73796	4.85262	0.1680349	0.28297977	2.2977307	21	1 3.2	19.3
383457 2006 XK_{43}	17.4	X	30.90800	218.16439	286.55064	5.65549	0.1509731	0.28211734	2.3024111	21	1 24.2	19.3
383458 2006 XW_{43}	17.2	X	132.75941	327.51775	70.86613	6.60603	0.1634911	0.28808501	2.2705040	21	2 22.1	20.2
383459 2006 XY_{70}	17.4	X	25.57947	27.06063	114.82456	7.57690	0.0526605	0.28186747	2.3037715	21	1 17.9	19.7
383460 2006 XG_{72}	18.0	X	35.51362	57.79277	61.73561	3.94370	0.0794652	0.28081003	2.3095514	21	—	—
383461 2006 YP_{3}	17.7	X	108.89874	322.50712	103.53883	6.86875	0.0754051	0.28823767	2.2697022	21	2 12.1	20.3
383462 2006 YD_{4}	17.3	X	10.82580	54.73235	68.39339	5.64086	0.0881151	0.27612284	2.3356145	21	—	—
383463 2006 YK_{12}	16.9	X	297.68034	250.91109	291.33511	9.16171	0.1612613	0.26993856	2.3711522	21	—	—
383464 2006 YH_{18}	16.7	X	33.82455	111.47001	298.13824	21.31537	0.3004233	0.27038968	2.3685141	21	—	—
383465 2006 YZ_{18}	17.5	X	33.96976	73.58016	47.92224	3.31042	0.1466990	0.27767922	2.3268790	21	—	—
383466 2006 YJ_{35}	17.8	X	141.05736	51.59306	333.25053	3.71596	0.2062546	0.28654785	2.2786167	21	2 16.7	20.7
383467 2006 YG_{37}	17.7	X	142.34391	56.64888	319.85205	5.96112	0.1441408	0.28303904	2.2974099	21	1 30.9	20.6
383468 2006 YH_{38}	16.7	X	234.63432	229.72406	315.93736	7.12091	0.0668194	0.25966340	2.4332994	21	12 31.6	19.9
383469 2006 YV_{39}	17.4	X	79.65149	146.33187	267.03149	4.88980	0.1480090	0.28069797	2.3101661	21	—	—
383470 2006 YC_{40}	16.9	X	319.24741	78.94143	97.96565	6.07004	0.0579004	0.27799830	2.3250982	21	—	—
383471 2006 YU_{51}	17.1	X	28.38213	327.41972	137.01258	4.97806	0.1468842	0.27226028	2.3576529	21	—	—
383472 2006 YX_{52}	17.8	X	0.22984	27.32377	139.58333	3.07931	0.0870495	0.28104311	2.3082743	21	1 9.6	20.2
383473 2007 AB_{1}	17.5	X	90.98198	306.51735	117.12443	6.45523	0.1464738	0.28179870	2.3041464	21	1 22.1	19.7
383474 2007 AC_{5}	17.7	X	145.23245	273.17515	116.05192	0.96787	0.2315970	0.28936067	2.2638260	21	3 1.4	20.9
383475 2007 AU_{8}	17.9	X	132.24326	114.49386	298.82605	5.27422	0.0680278	0.29099980	2.2553170	21	2 21.9	20.7
383476 2007 AH_{29}	17.5	X	94.51661	113.88218	297.32240	4.62074	0.1514734	0.27826542	2.3236099	21	1 11.9	19.7
383477 2007 AA_{30}	17.9	X	130.13988	272.09349	112.58624	1.44656	0.2251233	0.28402041	2.2921147	21	2 7.0	20.7
383478 2007 AM_{30}	17.9	X	247.02597	18.71209	175.27950	1.24112	0.1331361	0.26124629	2.4234606	21	—	—
383479 2007 BR	17.1	X	358.11464	162.87598	296.91876	5.79210	0.0738238	0.27001112	2.3707274	21	—	—
383480 2007 BU_{1}	17.1	X	291.82653	100.40439	129.16902	7.54801	0.0979779	0.27915489	2.3186715	21	1 1.1	20.2
383481 2007 BZ_{13}	17.4	X	44.77906	32.56943	111.52964	5.40163	0.0077574	0.28446014	2.2897519	21	2 20.7	20.1
383482 2007 BN_{14}	15.7	X	292.00859	145.72794	356.50092	2.43079	0.1008820	0.12485698	3.9645525	21	12 17.6	21.0
383483 2007 BX_{14}	17.6	X	86.49651	85.94883	335.09208	3.01954	0.1531355	0.27959049	2.3162626	21	1 12.2	19.7
383484 2007 BA_{22}	17.5	X	62.16509	107.66105	333.53899	7.72069	0.1959398	0.27880397	2.3206167	21	—	—
383485 2007 BW_{23}	17.6	X	244.27172	237.55747	314.08976	4.51361	0.0470055	0.26299057	2.4127330	21	—	—
383486 2007 BL_{28}	17.7	X	33.78080	74.57993	6.62609	1.17709	0.1551369	0.27305404	2.3530815	21	—	—
383487 2007 BV_{28}	16.1	X	290.78833	181.95858	311.12478	1.74612	0.1304528	0.12593726	3.9418480	21	12 2.1	21.2
383488 2007 BK_{40}	17.7	X	65.39418	184.18320	310.52075	5.32381	0.1010226	0.28677492	2.2774138	21	3 13.5	20.0
383489 2007 BH_{43}	18.2	X	318.18069	198.49293	303.64696	3.63845	0.1313454	0.26737434	2.3862882	21	—	—
383490 2007 BQ_{43}	17.3	X	330.40980	90.70131	122.41064	7.03653	0.1476446	0.27867228	2.3213477	21	1 20.6	20.0
383491 2007 BF_{48}	17.4	X	216.79176	110.23615	116.23307	7.28475	0.0869967	0.25978251	2.4325556	21	—	—
383492 Aubert	17.6	X	35.43632	54.21782	41.91991	2.16928	0.1426597	0.27481697	2.3430076	21	—	—
383493 2007 BQ_{51}	18.3	X	37.50666	41.72544	82.08827	4.41207	0.1417369	0.27928047	2.3179764	21	1 8.0	20.1
383494 2007 BB_{56}	17.0	X	58.59704	286.32927	100.52854	5.30041	0.0332506	0.26550031	2.3975041	21	—	—
383495 2007 BX_{57}	16.6	X	46.29463	125.69686	332.27102	23.88240	0.1537167	0.27466323	2.3438817	21	—	—
383496 2007 BP_{62}	18.3	X	318.15249	6.42388	182.36455	1.86103	0.1160575	0.27412354	2.3469571	21	—	—
383497 2007 BW_{62}	17.8	X	65.37813	131.93480	302.53861	4.20724	0.1565576	0.27691061	2.3311827	21	—	—
383498 2007 BG_{74}	17.9	X	46.22838	86.24447	31.10604	2.62325	0.1734560	0.28050200	2.3112419	21	1 15.9	19.7
383499 2007 BD_{76}	17.6	X	57.09013	283.92865	148.86826	6.81833	0.2051181	0.27451122	2.3447470	21	—	—
383500 2007 BK_{100}	17.8	X	293.99394	107.50458	119.27583	3.24336	0.2062004	0.27364173	2.3497113	21	—	—
383501 2007 CA_{1}	17.4	X	36.06379	55.30496	138.46537	5.71675	0.1256787	0.28859926	2.2678060	21	4 26.7	19.4
383502 2007 CY_{1}	17.4	X	257.33580	258.83595	312.91780	5.09568	0.1066184	0.26536159	2.3983396	21	—	—
383503 2007 CW_{9}	17.7	X	347.23630	43.91900	135.30055	5.44206	0.1611404	0.27812999	2.3243641	21	—	—
383504 2007 CD_{11}	18.1	X	358.64427	10.01911	139.99849	2.03172	0.1111282	0.27532152	2.3401442	21	—	—
383505 2007 CD_{16}	18.0	X	288.94320	105.52672	109.89810	2.18523	0.0573914	0.27366388	2.3495844	21	—	—
383506 2007 CU_{16}	17.2	X	69.66886	359.66324	87.97023	7.35519	0.0959902	0.27832878	2.3232573	21	1 14.9	19.6
383507 2007 CX_{17}	17.1	X	168.91232	175.36023	118.84740	7.23623	0.1248964	0.26434723	2.4044710	21	—	—
383508 Vadrot	17.5	X	101.34194	291.05842	72.36807	2.55062	0.1968699	0.27119370	2.3638304	21	—	—
383509 2007 CC_{20}	17.7	X	22.75135	329.40450	116.29266	3.13442	0.1718730	0.27175700	2.3605628	21	—	—
383510 2007 CE_{21}	17.5	X	312.59468	257.57481	314.90683	6.15274	0.1708489	0.27540923	2.3396473	21	—	—
383511 2007 CC_{23}	17.4	X	257.07075	269.69745	291.44475	3.35180	0.1734884	0.26277540	2.4140499	21	—	—
383512 2007 CU_{25}	17.7	X	354.22807	32.43998	142.70730	2.62254	0.1705433	0.27994467	2.3143085	21	—	—
383513 2007 CC_{26}	17.0	X	227.28143	210.21039	10.18597	5.78116	0.1510088	0.26091116	2.4255354	21	—	—
383514 2007 CK_{34}	15.0	X	343.30818	115.87000	322.16181	8.25140	0.1247872	0.12395713	3.9837160	21	12 14.4	20.0
383515 2007 CO_{40}	17.4	X	258.16670	106.97966	146.68929	10.75221	0.1991323	0.27106532	2.3645767	21	—	—
383516 2007 CF_{45}	16.8	X	26.51242	82.32345	327.22786	21.12010	0.2760822	0.26806117	2.3822104	21	—	—
383517 2007 CJ_{45}	17.1	X	344.77924	100.72056	62.50992	4.71356	0.1452755	0.27438662	2.3454568	21	—	—
383518 2007 CO_{47}	16.8	X	39.51178	264.31934	133.56782	22.23935	0.3165403	0.26982981	2.3717893	21	—	—
383519 2007 CX_{52}	17.5	X	356.03469	37.86947	130.40438	5.47598	0.1614443	0.27680506	2.3317753	21	—	—
383520 2007 CQ_{55}	17.4	X	216.17216	85.85626	134.65073	2.80934	0.1865795	0.26071246	2.4267676	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383521 2007 CV_{55}	18.5	X	85.28886	272.21853	142.56400	2.24255	0.1970661	0.27946537	2.3169538	21	1 6.0	20.2
383522 2007 CX_{65}	17.8	X	40.60421	63.61239	32.22384	4.46125	0.0501954	0.27277484	2.3546869	21	—	—
383523 2007 DE_{2}	17.1	X	0.93777	75.56800	87.47402	7.19423	0.1384945	0.27635184	2.3343240	21	—	—
383524 2007 DD_{5}	18.0	X	316.63699	69.75020	94.90049	3.67672	0.1207536	0.27103392	2.3647594	21	—	—
383525 2007 DT_{6}	16.1	X	83.48375	16.18655	326.23211	14.06751	0.1981035	0.25629403	2.4545792	21	—	—
383526 2007 DB_{18}	18.1	X	8.38289	286.65293	155.38598	2.77524	0.1357430	0.26471204	2.4022614	21	—	—
383527 2007 DT_{21}	17.7	X	71.35948	299.74597	138.37855	5.26496	0.2154032	0.27720198	2.3295489	21	1 15.2	19.4
383528 2007 DN_{36}	16.1	X	39.59043	334.65855	8.78763	5.53142	0.2482769	0.24467336	2.5316962	21	12 25.8	19.6
383529 2007 DG_{41}	17.8	X	309.47749	254.77019	266.74296	2.06544	0.1329924	0.26395555	2.4068490	21	—	—
383530 2007 DE_{45}	16.2	X	316.96552	163.13292	311.32126	1.66587	0.1796980	0.12417923	3.9789646	21	12 13.4	20.8
383531 2007 DE_{48}	17.1	X	0.58273	131.25412	339.48859	7.57331	0.0555793	0.26573584	2.3960873	21	—	—
383532 2007 DY_{48}	17.6	X	294.41694	11.26806	185.48501	1.19263	0.1207070	0.26704209	2.3882671	21	—	—
383533 2007 DW_{52}	17.4	X	49.44306	225.02719	272.59178	2.01186	0.1691419	0.28018937	2.3129608	21	2 23.5	19.2
383534 2007 DG_{54}	17.5	X	327.32153	8.50451	58.23192	3.42677	0.1752687	0.25568295	2.4584886	21	12 9.9	19.6
383535 2007 DS_{55}	17.7	X	349.51144	15.46796	85.05547	2.95257	0.1285949	0.26316561	2.4116630	21	—	—
383536 2007 DY_{55}	17.3	X	67.91824	316.97047	91.01542	3.67628	0.1957933	0.26945635	2.3739802	21	—	—
383537 2007 DK_{59}	17.3	X	23.86220	185.86885	303.23046	2.57499	0.0682766	0.27436414	2.3455849	21	—	—
383538 2007 DT_{64}	16.8	X	150.87485	325.94837	338.30265	6.47453	0.1463613	0.26007878	2.4307079	21	—	—
383539 2007 DJ_{67}	17.4	X	99.26644	232.92630	133.77147	4.69347	0.0711796	0.26399447	2.4066125	21	—	—
383540 2007 DL_{70}	17.8	X	17.05332	25.51593	29.24552	1.34964	0.1994894	0.26110245	2.4243506	21	—	—
383541 2007 DR_{76}	17.1	X	246.94683	117.02803	96.22855	6.52604	0.2695818	0.25952660	2.4341545	21	—	—
383542 2007 DM_{83}	17.4	X	72.19595	290.07634	113.30121	2.21751	0.1734880	0.27063912	2.3670585	21	—	—
383543 2007 DN_{83}	17.8	X	11.54953	13.16606	142.11010	5.93577	0.1622151	0.27676126	2.3320213	21	1 2.5	20.1
383544 2007 DN_{90}	18.0	X	71.43540	305.97061	146.68247	6.26740	0.2134023	0.27978820	2.3151713	21	2 6.9	19.5
383545 2007 DQ_{91}	17.6	X	24.74508	70.48721	4.95538	1.30193	0.1547159	0.26727177	2.3868987	21	—	—
383546 2007 DN_{92}	16.7	X	53.02994	295.73421	25.32434	1.76546	0.2260283	0.24555892	2.5256058	21	12 9.7	20.3
383547 2007 DR_{106}	17.9	X	39.02487	224.67876	257.94496	0.74236	0.1392873	0.27493769	2.3423216	21	1 10.6	19.8
383548 2007 EM_{4}	18.4	X	31.23800	300.38925	155.47833	3.07132	0.1318084	0.27272914	2.3549500	21	—	—
383549 2007 ET_{5}	17.3	X	103.20090	5.95434	334.02218	6.58062	0.0972190	0.26044084	2.4284546	21	—	—
383550 2007 ET_{8}	17.7	X	27.31779	287.98688	166.01264	1.35080	0.1424992	0.26766063	2.3845863	21	—	—
383551 2007 EA_{9}	17.4	X	26.50265	354.01219	172.50222	5.60304	0.0144630	0.27788805	2.3257131	21	2 24.7	20.3
383552 2007 EX_{10}	17.6	X	23.97563	213.48823	263.43016	1.24267	0.1205232	0.27336458	2.3512991	21	—	—
383553 2007 EM_{15}	17.2	X	301.59641	4.40560	146.67883	2.57525	0.1203060	0.26172613	2.4204976	21	—	—
383554 2007 EN_{17}	17.9	X	298.08821	58.83457	177.04295	2.35786	0.1356705	0.27293855	2.3537453	21	1 12.9	21.2
383555 2007 EG_{22}	17.8	X	273.19176	231.81483	318.60773	2.84891	0.1330618	0.26416431	2.4055808	21	—	—
383556 2007 EH_{28}	18.0	X	79.50957	240.14568	194.70479	1.03349	0.1588213	0.27927413	2.3180115	21	1 19.6	19.9
383557 2007 EC_{39}	18.0	X	351.36768	39.54284	98.99061	3.15797	0.1505747	0.26846204	2.3798383	21	—	—
383558 2007 EQ_{41}	17.7	X	33.09682	275.26034	155.23291	2.93947	0.1530549	0.27043167	2.3682689	21	—	—
383559 2007 EV_{58}	17.2	X	86.22195	220.62022	156.43523	7.62174	0.2415672	0.27029250	2.3690818	21	—	—
383560 2007 EZ_{72}	17.3	X	2.77958	113.43391	10.60060	4.96128	0.1823632	0.26835811	2.3804528	21	—	—
383561 2007 EV_{104}	18.1	X	309.12756	122.06797	23.28046	2.82901	0.1372700	0.26153922	2.4216507	21	—	—
383562 2007 EW_{104}	18.1	X	55.15367	281.11142	168.08747	3.35318	0.2348180	0.27477499	2.3432462	21	—	—
383563 2007 EV_{129}	18.1	X	16.72053	337.87236	171.72369	2.08534	0.1770991	0.27557353	2.3387172	21	1 2.3	20.2
383564 2007 EP_{136}	18.2	X	50.63753	257.29132	163.48786	1.41373	0.1736053	0.26734671	2.3864526	21	—	—
383565 2007 ES_{136}	17.6	X	353.15103	164.84155	340.37921	4.98402	0.1675719	0.26880709	2.3778014	21	—	—
383566 2007 EQ_{150}	17.4	X	41.87430	327.09599	103.88987	3.13250	0.1652561	0.26727062	2.3869056	21	—	—
383567 2007 EQ_{156}	17.7	X	245.11252	348.83519	260.19918	4.32289	0.1989880	0.26132091	2.4229992	21	—	—
383568 2007 EO_{158}	18.0	X	32.35704	269.31607	160.04349	9.96607	0.2342056	0.27047415	2.3680210	21	—	—
383569 2007 EY_{161}	17.1	X	229.80911	7.84771	312.15280	7.08851	0.1341890	0.28189129	2.3036418	21	2 16.1	20.4
383570 2007 EY_{169}	17.9	X	325.04750	2.82199	128.23304	2.26225	0.1366126	0.26575764	2.3959562	21	—	—
383571 2007 EJ_{179}	17.7	X	336.02764	292.27200	234.25462	1.85764	0.1641957	0.26723386	2.3871244	21	—	—
383572 2007 ES_{184}	16.7	X	16.37227	82.88491	108.61205	21.92556	0.2990275	0.28089703	2.3090745	21	2 28.6	18.4
383573 2007 ER_{189}	17.8	X	347.67203	92.93640	327.05530	3.30618	0.1728125	0.25538025	2.4604309	21	—	—
383574 2007 ER_{191}	17.7	X	316.67595	166.89428	356.79274	0.57853	0.0709978	0.26307478	2.4122181	21	—	—
383575 2007 ED_{198}	17.6	X	1.78312	141.20329	336.85702	2.35665	0.1886557	0.26570971	2.3962443	21	—	—
383576 2007 EA_{207}	18.0	X	297.95882	119.30953	69.75788	2.92573	0.1187805	0.26500397	2.4004968	21	—	—
383577 2007 EK_{210}	17.6	X	16.42084	40.83080	104.55155	3.79482	0.1240382	0.27609295	2.3357831	21	1 2.5	19.9
383578 2007 EA_{214}	17.6	X	328.52438	36.07318	129.68916	2.26599	0.1346308	0.26453695	2.4033212	21	—	—
383579 2007 FU_{1}	17.0	X	27.64842	18.07019	141.65092	6.88648	0.1490764	0.27744235	2.3282032	21	2 12.3	18.9
383580 2007 FA_{3}	16.9	X	243.23662	214.96630	39.82207	7.35174	0.4449678	0.25897336	2.4376199	21	—	—
383581 2007 FS_{22}	17.6	X	333.24361	83.79241	81.82742	1.94602	0.1331771	0.26756520	2.3851533	21	—	—
383582 2007 FN_{36}	17.9	X	41.91645	28.50704	38.28481	0.21968	0.1878495	0.26513878	2.3996830	21	—	—
383583 2007 FP_{45}	17.9	X	24.68688	223.99755	262.93955	0.68343	0.1302169	0.27200580	2.3591231	21	—	—
383584 2007 GD_{1}	16.1	X	85.81256	159.52016	113.54190	16.98798	0.2108134	0.23247933	2.6194683	21	11 16.4	20.5
383585 2007 GP_{8}	16.8	X	1.89065	67.88601	27.02997	6.64210	0.0919547	0.25853806	2.4403553	21	—	—
383586 2007 GY_{11}	17.4	X	350.92196	344.96021	117.78402	6.04852	0.1821367	0.26292509	2.4131336	21	—	—
383587 2007 GF_{16}	16.2	X	251.87993	92.45089	27.97013	15.31716	0.0398617	0.23937331	2.5689298	21	10 27.8	19.5
383588 2007 GC_{33}	17.5	X	255.59590	113.13068	127.01473	2.12610	0.1494873	0.26205193	2.4184910	21	—	—
383589 2007 GQ_{33}	17.7	X	299.70368	95.14346	51.59282	3.09869	0.1641795	0.25576444	2.4579664	21	—	—
383590 2007 GQ_{45}	16.8	X	32.11637	277.32472	49.59531	15.52185	0.1917155	0.23050703	2.6343891	21	11 12.9	19.8
383591 2007 GU_{45}	16.3	X	347.79018	197.62943	66.46478	5.89139	0.1096402	0.21229320	2.7829922	21	5 17.3	19.3
383592 2007 GC_{52}	17.1	X	314.31703	81.63996	143.24615	6.27323	0.1266732	0.27050433	2.3678448	21	1 19.6	20.1
383593 2007 GV_{61}	17.6	X	230.01508	108.02936	134.71376	2.90856	0.1762800	0.25776474	2.4452338	21	—	—
383594 2007 GO_{70}	17.7	X	210.19861	68.08126	174.49305	1.96400	0.1403560	0.25530061	2.4609426	21	—	—
383595 2007 HB_{1}	17.2	X	315.45164	303.91103	233.75450	7.26523	0.1600704	0.26667865	2.3904365	21	—	—
383596 2007 HT_{2}	18.2	X	259.96519	126.88343	47.30594	2.21104	0.1626707	0.25297652	2.4759920	21	—	—
383597 2007 HO_{9}	16.7	X	87.87081	260.23384	27.73594	6.71835	0.0263775	0.23853770	2.5749256	21	11 10.8	20.2
383598 2007 HU_{14}	17.5	X	246.79260	148.26856	70.65824	5.99822	0.1486928	0.25631761	2.4544287	21	—	—
383599 2007 HH_{20}	16.6	X	330.15981	7.49146	42.95161	4.94017	0.0426818	0.23991084	2.5650911	21	11 14.9	19.6
383600 2007 HK_{24}	17.7	X	291.48253	81.36583	93.17549	3.21246	0.1310645	0.25699989	2.4500828	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383601 2007 HF_{29}	17.8	X	342.95268	124.56717	46.72088	2.62468	0.1390897	0.26975926	2.3722028	21	—	—
383602 2007 HU_{35}	17.2	X	3.34603	92.76059	43.19746	11.53337	0.2372904	0.26673610	2.3900933	21	—	—
383603 2007 HW_{36}	17.2	X	244.21476	143.50488	10.56963	1.39490	0.0687149	0.24385835	2.5373339	21	11 28.2	20.5
383604 2007 HA_{42}	18.0	X	309.54374	107.71628	66.29234	3.20180	0.1493327	0.26334131	2.4105902	21	—	—
383605 2007 HW_{76}	16.2	X	3.19078	184.26367	68.16118	10.40154	0.1274729	0.21414297	2.7669427	21	5 27.2	19.0
383606 2007 HP_{83}	17.3	X	115.87022	24.31642	236.05900	6.27943	0.1102651	0.23774722	2.5806301	21	11 16.7	21.1
383607 2007 JC_{10}	17.5	X	307.03432	124.92829	46.05344	7.54211	0.1657639	0.26171315	2.4205776	21	—	—
383608 2007 JX_{17}	16.4	X	105.56542	98.09578	160.11362	11.89844	0.1591714	0.23190993	2.6237542	21	11 9.8	20.7
383609 2007 JJ_{20}	17.8	X	353.19095	333.58086	173.90183	2.48465	0.1422543	0.26474563	2.4020581	21	—	—
383610 2007 JJ_{35}	18.3	X	11.63277	324.11668	230.60992	56.06626	0.3047578	0.41723077	1.7737204	21	—	—
383611 2007 JF_{42}	17.6	X	104.25306	195.60810	84.34207	23.56636	0.0688030	0.37673405	1.8986553	21	12 20.9	19.7
383612 2007 KD_{3}	16.1	X	204.97668	58.36942	107.07590	28.57667	0.1603888	0.23880229	2.5730233	21	10 30.9	20.7
383613 2007 KW_{7}	16.3	X	114.46420	185.86990	65.92536	14.26705	0.1307807	0.23520305	2.5992063	21	11 8.4	20.3
383614 2007 LL_{3}	17.1	X	83.83178	126.12971	133.34149	4.28911	0.1202743	0.22834695	2.6509766	21	10 13.8	20.8
383615 2007 LQ_{12}	16.6	X	341.11013	224.75534	72.29877	8.98771	0.2044771	0.21364936	2.7712029	21	6 11.8	19.3
383616 2007 LW_{21}	16.3	X	135.50491	106.88661	102.25791	10.93156	0.0297548	0.22901420	2.6458249	21	10 4.9	20.2
383617 2007 MS	17.2	X	302.70143	350.52616	162.25970	6.31260	0.1186783	0.25348665	2.4726690	21	—	—
383618 2007 ME_{21}	16.0	X	94.61168	14.48597	289.32347	13.09476	0.1625917	0.23089215	2.6314589	21	12 21.8	20.2
383619 2007 MP_{27}	16.1	X	144.44206	343.83256	315.39820	13.85440	0.0900071	0.23933179	2.5692269	21	—	—
383620 2007 NG_{3}	16.9	X	114.53646	4.84021	272.51183	11.50904	0.1069649	0.23161536	2.6259783	21	12 4.9	20.9
383621 2007 NQ_{5}	14.5	X	162.98004	356.26719	339.53876	29.34500	0.2707332	0.17222272	3.1994531	21	2 6.5	20.2
383622 2007 PJ_{9}	16.5	X	256.98789	124.74544	273.41309	11.17303	0.0698959	0.20153843	2.8811385	21	7 10.2	20.6
383623 2007 PF_{12}	15.9	X	263.06926	252.86405	125.07172	12.85471	0.0753342	0.20061883	2.8899362	21	6 22.2	20.1
383624 2007 PH_{21}	17.2	X	37.10880	348.85852	335.86355	17.57425	0.0734336	0.35975379	1.9579389	21	11 15.8	19.7
383625 2007 PK_{34}	16.2	X	174.99640	273.04125	116.36182	11.97261	0.3420079	0.18401999	3.0612071	21	4 13.4	22.1
383626 2007 QE_{15}	16.6	X	243.83428	191.73330	155.72664	3.79685	0.0978643	0.19295043	2.9660073	21	4 20.0	21.0
383627 2007 RO_{42}	16.1	X	5.64252	295.84940	308.31179	6.90649	0.0219872	0.19324616	2.9629805	21	5 20.8	20.2
383628 2007 RF_{67}	17.0	X	191.40313	80.55712	301.26766	0.84593	0.2166733	0.18625730	3.0366438	21	4 8.1	22.1
383629 2007 RO_{77}	17.4	X	301.43295	66.90138	165.80068	6.38889	0.2963642	0.25816910	2.4426798	21	—	—
383630 2007 RW_{93}	16.5	X	161.44487	245.81129	178.65015	9.47180	0.0928916	0.18414822	3.0597859	21	4 30.9	21.2
383631 2007 RD_{95}	16.8	X	300.62055	193.83235	142.30012	2.88349	0.1125534	0.19712082	2.9240248	21	6 10.9	20.6
383632 2007 RH_{162}	16.0	X	189.95986	222.63937	181.71931	16.05177	0.2935414	0.18410612	3.0602523	21	5 6.5	21.7
383633 2007 RY_{162}	16.9	X	69.75760	306.84566	333.21120	5.60610	0.0432663	0.21548592	2.7554347	21	10 6.6	20.7
383634 2007 RH_{170}	16.8	X	252.58680	256.27493	154.58512	7.08155	0.1585832	0.20172178	2.8793924	21	7 10.0	21.2
383635 2007 RC_{173}	16.0	X	156.26361	38.20713	19.59552	13.03145	0.1807495	0.18127787	3.0920003	21	4 19.8	21.0
383636 2007 RL_{208}	16.4	X	267.39631	238.22559	99.33795	3.02366	0.0576447	0.19177964	2.9780664	21	5 9.2	20.5
383637 2007 RH_{226}	16.3	X	342.26276	199.98341	165.33903	6.90095	0.0246309	0.21096659	2.7946468	21	9 30.2	20.0
383638 2007 RT_{247}	16.1	X	186.04276	111.74622	240.01215	15.03357	0.2494257	0.17985701	3.1082633	21	2 23.9	21.9
383639 2007 RF_{251}	16.5	X	72.23873	286.95558	327.37135	7.57323	0.0840338	0.20847153	2.8169008	21	9 11.9	20.5
383640 2007 RE_{288}	16.7	X	232.70884	82.46570	245.66772	2.72163	0.2308049	0.18497517	3.0506596	21	3 7.6	21.9
383641 2007 RW_{291}	16.8	X	168.85952	235.78236	149.84721	0.94341	0.1151755	0.17948212	3.1125901	21	3 22.5	21.6
383642 2007 RJ_{292}	17.1	X	241.54839	250.97385	129.77397	1.74301	0.1428361	0.19298170	2.9656869	21	5 23.9	21.7
383643 2007 RN_{292}	16.5	X	155.49239	266.00644	180.10101	8.61006	0.0919219	0.18731378	3.0252149	21	5 20.8	21.2
383644 2007 RD_{294}	17.0	X	189.28666	89.98041	337.09268	0.95950	0.1686852	0.18908101	3.0063355	21	5 30.2	21.9
383645 2007 RA_{298}	16.4	X	207.65785	280.51004	78.76695	5.76782	0.2794256	0.18465236	3.0542141	21	3 28.0	21.9
383646 2007 RJ_{316}	16.3	X	286.41015	114.27351	202.07073	14.47747	0.1787352	0.19457409	2.9494840	21	4 17.8	20.4
383647 2007 RB_{324}	15.9	X	234.91337	39.11487	344.29079	9.72363	0.1143164	0.19148685	2.9811014	21	5 19.6	20.6
383648 2007 SU_{6}	16.4	X	4.92837	278.28869	25.76448	11.41671	0.2998772	0.21085551	2.7956282	21	9 4.7	18.6
383649 2007 SL_{9}	16.1	X	211.20040	323.90485	62.73274	4.03588	0.2536192	0.18705795	3.0279726	21	4 29.2	21.3
383650 2007 SN_{18}	17.1	X	316.35056	279.13304	115.58439	24.38948	0.1271993	0.35024787	1.9932069	21	11 5.8	19.4
383651 2007 TD_{15}	17.6	X	217.30693	240.93224	244.21911	14.14358	0.2919293	0.34602061	2.0094077	21	8 26.2	21.1
383652 2007 TT_{37}	16.3	X	170.00396	251.66749	148.67969	1.87241	0.1851555	0.18143296	3.0902379	21	4 13.3	21.4
383653 2007 TK_{46}	15.5	X	261.91402	56.94560	257.63780	9.30957	0.1055421	0.18744332	3.0238210	21	3 24.3	20.2
383654 2007 TD_{52}	15.9	X	152.56771	36.95306	25.68839	10.33019	0.1139422	0.17914457	3.1164987	21	4 18.9	20.6
383655 2007 TD_{99}	16.9	X	227.32776	249.10462	156.13526	2.18632	0.0945937	0.19271658	2.9684062	21	6 12.7	21.4
383656 2007 TE_{101}	16.6	X	128.45097	146.14304	84.81644	2.39924	0.0862286	0.21231224	2.7828259	21	10 20.9	20.8
383657 2007 TR_{102}	16.5	X	210.83903	258.13016	110.45922	2.82364	0.1806929	0.18161008	3.0882285	21	4 10.5	21.6
383658 2007 TZ_{109}	16.1	X	208.95659	246.65048	122.10877	4.51128	0.2246807	0.18287311	3.0739926	21	4 8.9	21.4
383659 2007 TB_{110}	15.9	X	195.23380	149.19704	210.17356	16.03975	0.2112568	0.18088569	3.0964679	21	3 13.7	21.4
383660 2007 TS_{128}	15.4	X	101.45310	54.38260	37.34120	19.14753	0.0857920	0.17249916	3.1960340	21	4 2.2	20.0
383661 2007 TL_{133}	16.3	X	181.43108	255.53656	213.79707	9.91003	0.0577747	0.19203255	2.9754511	21	7 12.7	20.9
383662 2007 TG_{137}	15.7	X	164.03673	155.01095	244.89948	9.57415	0.1269232	0.17813393	3.1282752	21	3 31.9	20.8
383663 2007 TX_{138}	15.9	X	153.72065	162.80060	252.32239	16.28743	0.1882915	0.17898348	3.1183683	21	4 12.2	21.2
383664 2007 TB_{141}	15.8	X	190.04240	46.56843	11.56673	9.83549	0.1071164	0.18461437	3.0546331	21	5 17.9	20.7
383665 2007 TG_{155}	15.7	X	171.19608	163.42835	233.75557	8.64123	0.1928293	0.17992249	3.1075091	21	4 8.4	20.9
383666 2007 TK_{160}	16.4	X	176.18537	357.99029	21.15610	9.65690	0.3549019	0.17749447	3.1357841	21	3 30.3	22.2
383667 2007 TY_{167}	16.1	X	168.94985	60.88021	9.39772	10.18318	0.1500366	0.18444707	3.0564798	21	5 13.1	21.2
383668 2007 TB_{173}	17.3	X	183.31647	128.43682	147.28806	5.46158	0.2178722	0.24351799	2.5396976	21	—	—
383669 2007 TJ_{175}	16.1	X	137.93719	58.30405	38.25258	11.44004	0.0781546	0.18214959	3.0821274	21	5 10.9	20.7
383670 2007 TQ_{175}	16.2	X	211.88741	198.65885	216.45275	11.94337	0.1440940	0.18899279	3.0072709	21	6 6.2	21.1
383671 2007 TH_{180}	17.1	X	201.21776	228.00908	197.79060	3.57507	0.1194452	0.18950519	3.0018476	21	6 10.0	21.8
383672 2007 TC_{183}	15.5	X	226.09241	283.50806	77.85173	10.96501	0.1279130	0.18328119	3.0694280	21	4 20.7	20.4
383673 2007 TY_{186}	15.9	X	211.52929	181.25016	160.50534	6.21145	0.1864281	0.18090932	3.0961982	21	3 9.9	21.0
383674 2007 TY_{210}	16.3	X	224.70348	15.40116	351.80280	9.30992	0.0935315	0.18462909	3.0544707	21	4 20.5	21.1
383675 2007 TL_{211}	15.7	X	247.73580	71.02274	243.77530	9.44105	0.0667544	0.17931552	3.1145177	21	3 14.1	20.5
383676 2007 TT_{214}	15.8	X	184.39099	286.56607	79.50275	9.32260	0.1390870	0.17573060	3.1567326	21	3 19.8	21.0
383677 2007 TS_{225}	16.8	X	282.16388	311.90870	53.95019	2.72979	0.0872038	0.20188795	2.8778122	21	6 28.6	20.6
383678 2007 TA_{234}	15.8	X	9.53970	354.17269	220.84088	17.53010	0.0734042	0.17815734	3.1280012	21	4 19.7	19.8
383679 2007 TL_{235}	16.9	X	181.05362	282.21428	138.12221	1.97152	0.1575289	0.18502057	3.0501606	21	5 15.7	22.0
383680 2007 TU_{240}	15.4	X	180.47847	326.41968	97.07760	13.31957	0.0797826	0.18860482	3.0113936	21	5 20.3	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383681 2007 TV_{243}	15.9	X	200.16080	21.26299	5.26299	13.67460	0.1252519	0.18405091	3.0608642	21	4 18.3	20.8
383682 2007 TC_{244}	15.8	X	204.74511	42.84671	346.16715	9.26708	0.1267457	0.18501804	3.0501884	21	4 25.5	20.9
383683 2007 TO_{250}	16.3	X	152.97482	110.42840	6.32510	9.97517	0.0551684	0.19184809	2.9773580	21	6 21.4	20.8
383684 2007 TU_{261}	15.8	X	125.66459	212.96188	225.62414	8.55695	0.0759547	0.17523287	3.1627072	21	4 4.5	20.5
383685 2007 TX_{266}	15.9	X	113.17886	252.78339	204.69336	11.40715	0.1247661	0.17777752	3.1324549	21	4 21.5	20.4
383686 2007 TR_{271}	16.4	X	186.17601	160.29008	229.10720	2.63628	0.2214701	0.18088701	3.0964528	21	4 13.2	21.8
383687 2007 TU_{304}	16.7	X	224.30530	171.58875	172.64556	1.02769	0.1662741	0.18931881	3.0038175	21	3 22.9	21.6
383688 2007 TX_{314}	16.2	X	210.16052	349.57501	314.20486	0.42363	0.1750626	0.17081311	3.2170310	21	1 25.8	21.6
383689 2007 TD_{319}	16.5	X	216.59791	122.30991	213.01004	8.72559	0.0883700	0.17483343	3.1675227	21	3 6.9	21.6
383690 2007 TT_{343}	16.5	X	133.60211	297.91409	87.23748	6.18306	0.1729659	0.16960334	3.2323109	21	2 24.2	21.5
383691 2007 TY_{354}	16.0	X	192.50315	249.56791	182.76598	10.06464	0.0863949	0.18947116	3.0022070	21	6 10.5	20.7
383692 2007 TW_{360}	16.0	X	43.80357	106.54787	114.55497	7.47082	0.0918093	0.18563612	3.0434142	21	6 21.6	19.9
383693 2007 TG_{382}	16.1	X	212.48199	199.62461	186.84190	9.91406	0.1229156	0.18249988	3.0781822	21	5 5.4	21.1
383694 2007 TS_{383}	16.7	X	142.07547	296.29380	156.88573	0.96561	0.1577863	0.17983496	3.1085174	21	5 19.6	21.5
383695 2007 TZ_{385}	16.5	X	196.19142	257.67361	140.59108	9.83468	0.2837999	0.18446754	3.0562537	21	5 4.6	22.2
383696 2007 TO_{403}	16.2	X	169.27838	159.80776	236.83970	9.03381	0.0872720	0.17664289	3.1458543	21	3 31.8	21.1
383697 2007 TF_{406}	17.0	X	220.67867	2.05822	75.64843	3.03415	0.0817510	0.19593040	2.9358565	21	7 17.9	21.3
383698 2007 TU_{407}	16.4	X	119.16190	274.03705	175.62063	9.46507	0.0799272	0.17543680	3.1602560	21	4 14.6	21.0
383699 2007 TV_{408}	16.2	X	152.08725	149.32832	264.00380	9.49176	0.2846459	0.17721220	3.1391132	21	4 15.6	21.9
383700 2007 TV_{421}	16.0	X	214.11864	126.24153	293.21407	13.71523	0.2519800	0.19193209	2.9764893	21	6 8.5	21.3
383701 2007 TT_{426}	16.5	X	161.51718	157.55919	308.79148	3.90834	0.1460455	0.18566040	3.0431489	21	6 22.1	21.4
383702 2007 TK_{436}	15.8	X	322.50889	321.89057	356.88208	14.99663	0.1509469	0.20359834	2.8616723	21	6 13.9	19.6
383703 2007 TK_{441}	15.8	X	166.37818	254.80918	120.97273	10.81801	0.2410160	0.17479136	3.1680309	21	3 19.0	21.3
383704 2007 TV_{441}	16.4	X	220.10227	114.37062	287.58906	8.28647	0.1335743	0.19005878	2.9960157	21	5 28.4	21.2
383705 2007 TT_{444}	15.9	X	215.30516	191.15039	232.80147	9.83132	0.0808129	0.19237110	2.9719591	21	6 23.4	20.5
383706 2007 TA_{445}	17.5	X	71.57124	100.27060	196.68165	21.82114	0.1138351	0.36171919	1.9508401	21	12 6.3	20.3
383707 2007 TN_{445}	16.2	X	44.48808	109.88497	195.81629	6.47417	0.0326895	0.21104616	2.7939444	21	10 6.6	19.8
383708 2007 TX_{449}	16.0	X	32.05933	163.14292	65.07882	8.60266	0.0567488	0.18633612	3.0357873	21	6 9.2	19.9
383709 2007 TY_{450}	17.9	X	194.78014	73.87750	49.44344	22.42066	0.0702078	0.34207197	2.0248416	21	9 10.1	21.0
383710 2007 UB	15.9	X	186.52214	33.16190	355.58915	15.68014	0.2363656	0.18208491	3.0828572	21	4 8.9	21.4
383711 2007 UG_{5}	16.2	X	215.32778	109.99550	230.43934	9.22638	0.1201839	0.17913438	3.1166169	21	3 9.3	21.3
383712 2007 UG_{8}	16.5	X	135.79111	86.36799	345.14797	12.39965	0.3007392	0.17511884	3.1640801	21	4 23.9	22.1
383713 2007 UW_{24}	16.0	X	233.73093	282.76589	73.46570	6.82180	0.1037172	0.18300374	3.0725296	21	4 21.5	20.7
383714 2007 UU_{37}	16.3	X	206.48020	299.90178	109.67011	6.28928	0.1748727	0.18893381	3.0078967	21	5 25.4	21.4
383715 2007 UL_{43}	16.3	X	142.66050	314.13806	98.83881	2.38466	0.2042115	0.17517784	3.1633696	21	4 6.9	21.3
383716 2007 UY_{45}	15.6	X	141.75885	335.11723	67.34824	11.56584	0.1585839	0.17490546	3.1666529	21	3 25.8	20.7
383717 2007 UA_{46}	16.3	X	230.62644	238.00124	70.51728	2.22288	0.1463493	0.17754461	3.1351937	21	2 17.9	21.3
383718 2007 UD_{48}	16.5	X	176.92297	281.40651	103.09985	2.63442	0.1873416	0.17569093	3.1572078	21	4 1.7	21.7
383719 2007 UN_{59}	16.0	X	110.73975	122.62402	41.54479	4.33515	0.0529651	0.18851406	3.0123600	21	7 2.1	20.3
383720 2007 UW_{72}	16.8	X	77.75291	231.21034	243.47865	1.64091	0.1440652	0.17207419	3.2012939	21	4 1.0	21.0
383721 2007 UD_{77}	16.2	X	212.74897	81.13205	267.89214	2.67732	0.1109501	0.17728415	3.1382638	21	3 19.6	21.1
383722 2007 UN_{79}	16.8	X	94.40284	114.20850	6.75212	0.85991	0.1292302	0.17531157	3.1617607	21	4 28.6	21.1
383723 2007 UR_{81}	16.7	X	273.04147	271.95143	100.85506	3.28097	0.0800899	0.19659076	2.9292784	21	6 26.8	20.6
383724 2007 UJ_{87}	15.9	X	94.72406	101.57688	45.40557	11.63875	0.1062840	0.17916192	3.1162975	21	5 27.1	20.3
383725 2007 UE_{89}	16.7	X	173.55827	117.09586	230.35160	3.72622	0.1548859	0.16965608	3.2316409	21	2 12.0	22.0
383726 2007 UD_{94}	16.4	X	270.24896	321.84635	28.86018	8.99927	0.0606582	0.18910091	3.0061246	21	5 26.7	20.7
383727 2007 UK_{99}	16.2	X	121.90242	269.82926	233.27673	7.72004	0.1469717	0.18230259	3.0804027	21	6 28.1	21.0
383728 2007 UF_{100}	15.8	X	191.71083	0.85487	56.69382	11.66087	0.0120871	0.18238262	3.0795015	21	5 22.0	20.2
383729 2007 UU_{120}	16.6	X	202.26230	30.86518	201.29186	5.40613	0.1081808	0.22563283	2.6721932	21	—	—
383730 2007 UW_{122}	16.9	X	176.95557	242.00731	177.32125	0.30575	0.1872471	0.17963739	3.1107962	21	5 11.2	22.1
383731 2007 US_{128}	15.9	X	164.00643	140.06865	275.54231	4.73140	0.1517061	0.17766149	3.1338186	21	4 22.5	21.0
383732 2007 UH_{136}	15.9	X	156.02206	230.68844	175.91238	12.75271	0.1916507	0.17669110	3.1452820	21	4 10.6	21.1
383733 2007 UC_{140}	15.9	X	194.98617	174.97821	241.29993	9.60744	0.0559957	0.18481545	3.0524170	21	5 24.0	20.5
383734 2007 VS_{4}	16.1	X	209.38597	97.07660	316.13448	9.80443	0.2714952	0.18667922	3.0320666	21	5 26.3	21.6
383735 2007 VA_{11}	15.4	X	148.07993	2.06716	53.83289	29.34736	0.1926856	0.17376070	3.1805459	21	4 23.1	20.8
383736 2007 VR_{13}	16.7	X	125.93783	48.62707	14.37423	3.38288	0.1468416	0.17159400	3.2072636	21	3 27.7	21.4
383737 2007 VW_{14}	15.6	X	159.04518	332.50488	71.47992	10.37444	0.0860247	0.17467546	3.1694321	21	4 6.9	20.5
383738 2007 VA_{30}	15.5	X	324.13349	27.46840	235.13676	5.92838	0.1107917	0.18659765	3.0329502	21	4 8.1	19.4
383739 2007 VD_{33}	15.8	X	277.75422	18.60765	248.46360	7.13893	0.1248076	0.17444143	3.1722662	21	2 13.4	20.7
383740 2007 VY_{47}	16.6	X	166.20349	82.54608	288.95850	5.91491	0.1609155	0.17228411	3.1986930	21	3 4.0	21.9
383741 2007 VN_{50}	15.9	X	136.67898	176.43216	248.10895	12.01898	0.0772714	0.17423895	3.1747233	21	3 28.4	20.8
383742 2007 VM_{54}	16.2	X	251.62812	261.42000	79.01267	8.29987	0.1003394	0.18198233	3.0840156	21	4 22.4	20.9
383743 2007 VB_{61}	16.4	X	161.80972	188.44734	251.94142	5.74852	0.0760465	0.18056753	3.1001041	21	5 17.9	21.0
383744 2007 VA_{84}	15.8	X	188.12788	329.78467	130.52031	10.14252	0.1175056	0.18934847	3.0035038	21	7 9.6	20.6
383745 2007 VL_{90}	15.5	X	286.92366	254.75404	84.73465	10.71621	0.1096906	0.18829568	3.0146888	21	5 29.2	19.6
383746 2007 VA_{93}	15.8	X	179.38081	157.05999	252.20813	16.44055	0.2349182	0.18156283	3.0887642	21	4 29.8	21.3
383747 2007 VO_{95}	15.9	X	181.50203	148.48225	290.45145	9.54029	0.1106989	0.18312664	3.0711548	21	6 6.5	20.7
383748 2007 VO_{97}	16.5	X	53.37674	350.19213	278.71136	4.60759	0.0892451	0.19940022	2.9016986	21	9 5.2	20.3
383749 2007 VD_{114}	16.7	X	175.82131	285.06697	163.78067	2.68209	0.1102750	0.18368832	3.0648909	21	6 13.6	21.6
383750 2007 VS_{117}	15.7	X	118.38582	67.10508	54.24139	14.52803	0.0243925	0.18307916	3.0716857	21	5 13.8	20.1
383751 2007 VH_{118}	15.9	X	137.98808	311.33306	123.00935	13.64428	0.2326634	0.17573019	3.1567375	21	5 4.3	21.3
383752 2007 VR_{122}	16.1	X	111.01419	69.26829	18.19828	4.74490	0.1636373	0.17143373	3.2092622	21	4 11.8	20.8
383753 2007 VH_{146}	15.8	X	231.99369	105.32037	265.07991	9.09255	0.0636769	0.18132969	3.0914111	21	5 6.3	20.4
383754 2007 VF_{148}	16.0	X	135.77822	253.83681	223.05444	8.94916	0.1994843	0.17798422	3.1300291	21	6 14.5	21.2
383755 2007 VP_{169}	16.4	X	182.25372	329.94178	83.12180	10.58843	0.0895481	0.17783424	3.1317888	21	5 9.5	21.3
383756 2007 VQ_{186}	15.7	X	91.16135	62.93204	45.90738	17.48039	0.1165174	0.17151306	3.2082725	21	4 13.3	20.2
383757 2007 VQ_{190}	16.0	X	209.09358	256.18024	133.24830	10.67472	0.2094973	0.18345336	3.0675073	21	5 5.4	21.4
383758 2007 VH_{201}	17.0	X	148.87622	104.24645	21.55466	1.20325	0.0684595	0.18887725	3.0084972	21	6 29.4	21.4
383759 2007 VY_{217}	16.9	X	157.35108	179.98285	220.92190	1.45113	0.2199900	0.17348729	3.1838867	21	4 4.8	22.3
383760 2007 VT_{221}	15.5	X	185.92025	108.87150	253.40073	8.16425	0.0859921	0.17462894	3.1699950	21	3 6.8	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383761 2007 VJ_{227}	16.2	X	199.39152	341.15845	72.49480	7.40490	0.1935294	0.18455419	3.0552971	21	5 23.1	21.4
383762 2007 VE_{228}	16.4	X	164.57747	135.11007	270.82940	8.98961	0.2296458	0.17634844	3.1493551	21	4 13.5	22.0
383763 2007 VL_{232}	15.9	X	151.03992	238.98141	238.30874	9.39079	0.0677910	0.18504283	3.0499160	21	6 20.6	20.5
383764 2007 VE_{233}	15.8	X	239.75652	76.26092	251.58235	8.54580	0.0999256	0.17950973	3.1122709	21	3 18.8	20.7
383765 2007 VT_{233}	16.7	X	145.46170	356.37716	86.81349	2.66933	0.1705824	0.17693112	3.1424369	21	5 12.1	21.7
383766 2007 VU_{237}	16.1	X	127.30354	77.23696	29.90681	16.32615	0.1960655	0.17882895	3.1201645	21	5 21.9	21.2
383767 2007 VV_{239}	16.6	X	181.23743	284.68697	130.54253	1.34832	0.2133494	0.17976846	3.1092839	21	5 10.5	21.9
383768 2007 VU_{241}	15.9	X	232.87802	253.67145	103.00689	12.31090	0.1936110	0.18409717	3.0603515	21	4 18.8	21.1
383769 2007 VF_{242}	15.9	X	194.31226	327.73745	103.11634	12.00103	0.1374081	0.18615005	3.0378100	21	6 10.1	20.8
383770 2007 VO_{250}	15.9	X	63.83934	242.26021	291.38906	8.92399	0.1308489	0.17924268	3.1153614	21	5 23.7	20.1
383771 2007 VM_{255}	16.1	X	34.06354	347.63679	268.13060	9.18600	0.0536825	0.19100460	2.9861171	21	7 17.7	20.0
383772 2007 VP_{287}	15.5	X	316.58714	334.88763	256.34369	15.80612	0.0684391	0.16973811	3.2305996	21	2 19.7	20.3
383773 2007 VT_{298}	16.0	X	199.15663	271.40107	118.44111	18.37159	0.2034347	0.18157517	3.0886242	21	5 1.9	21.6
383774 2007 VY_{299}	15.6	X	164.73355	139.32368	263.81103	15.63484	0.2112002	0.17758124	3.1347626	21	4 7.2	21.1
383775 2007 VC_{301}	15.8	X	181.23433	303.60946	108.35212	12.76830	0.1265471	0.17977441	3.1092154	21	5 9.6	20.9
383776 2007 VJ_{303}	16.3	X	148.98898	269.29431	180.58627	21.76700	0.2345585	0.17996288	3.1070442	21	5 28.5	21.9
383777 2007 VK_{309}	15.6	X	283.86076	72.64248	275.27330	9.19588	0.1180333	0.19015918	2.9949611	21	6 2.4	19.8
383778 2007 VX_{315}	16.0	X	202.35946	268.78857	88.05990	17.17700	0.2853745	0.17781551	3.1320086	21	3 28.1	21.9
383779 2007 VP_{318}	16.4	X	69.12860	157.18492	64.46734	6.35953	0.1079897	0.18974464	2.9993216	21	8 2.2	20.5
383780 2007 VB_{320}	16.0	X	182.26541	45.29028	342.88109	10.72836	0.1517840	0.18027455	3.1034620	21	4 4.3	21.2
383781 2007 VV_{322}	15.9	X	174.57801	121.21563	307.75336	6.93099	0.0723419	0.18303169	3.0722168	21	5 15.6	20.7
383782 2007 VH_{323}	15.7	X	200.59117	106.39841	290.96662	7.96123	0.0403461	0.18231771	3.0802323	21	5 4.5	20.4
383783 2007 VH_{330}	15.5	X	119.18725	342.87299	93.34523	13.99442	0.1012368	0.17014847	3.2254032	21	4 7.1	20.5
383784 2007 VP_{332}	16.1	X	229.38429	313.76133	93.71276	10.41077	0.0828411	0.18815661	3.0161741	21	6 18.9	20.5
383785 2007 WQ	16.3	X	96.10697	301.07096	229.62349	5.08045	0.1014061	0.18402331	3.0611703	21	6 28.5	20.6
383786 2007 WX_{6}	16.0	X	155.02467	169.54163	258.36130	10.78960	0.1847296	0.17742881	3.1365577	21	4 30.7	21.2
383787 2007 WQ_{10}	16.2	X	212.73538	122.48871	288.04937	7.50562	0.0978862	0.18793706	3.0185226	21	6 3.0	20.9
383788 2007 WS_{13}	15.2	X	157.30473	280.68541	87.15706	26.27013	0.2514993	0.17184562	3.2041320	21	3 11.4	21.1
383789 2007 WN_{18}	16.0	X	293.99332	239.35783	86.21957	9.61782	0.0884526	0.18561530	3.0436418	21	5 24.1	20.2
383790 2007 WX_{18}	16.0	X	357.63543	152.89058	82.78002	10.98150	0.0202634	0.17793537	3.1306021	21	5 5.3	20.4
383791 2007 WV_{22}	15.4	X	304.47366	6.46873	255.66448	14.14422	0.0301683	0.17673951	3.1447077	21	3 19.6	20.1
383792 2007 WX_{41}	17.2	X	168.87326	227.52993	165.42617	1.89746	0.2298283	0.17523721	3.1626550	21	4 5.7	22.7
383793 2007 WH_{42}	15.7	X	336.08017	193.74153	72.88341	10.32920	0.0473667	0.18112592	3.0937293	21	5 11.9	19.8
383794 2007 WX_{44}	16.1	X	240.65562	55.49515	334.46416	8.45222	0.1113184	0.18886442	3.0086334	21	6 5.2	20.7
383795 2007 WD_{48}	15.7	X	85.39957	100.62839	43.76394	19.13488	0.1629127	0.17522924	3.1627509	21	5 19.3	20.1
383796 2007 WO_{49}	16.0	X	270.16389	242.49138	82.58221	9.34050	0.0539799	0.18078650	3.0976004	21	4 30.4	20.5
383797 2007 XX	16.4	X	142.67714	347.09618	92.31653	8.09180	0.1530730	0.17580294	3.1558665	21	5 5.7	21.5
383798 2007 XK_{5}	16.2	X	271.49320	253.82201	68.18717	11.29691	0.0823969	0.17950053	3.1123772	21	4 24.9	20.8
383799 2007 XO_{34}	15.8	X	148.32370	181.88159	264.24387	15.86075	0.1277064	0.17844857	3.1245970	21	5 13.3	20.8
383800 2007 YO_{21}	18.4	X	322.11937	341.05171	263.80561	1.56447	0.0640630	0.31185737	2.1536016	21	2 28.2	20.6
383801 2007 YZ_{26}	15.9	X	129.88710	200.85832	302.68231	11.77935	0.3076686	0.17494052	3.1662298	21	7 19.3	21.4
383802 2007 YQ_{30}	16.0	X	270.57166	38.02759	282.47600	7.65267	0.0524055	0.17655379	3.1469127	21	4 19.3	20.6
383803 2007 YD_{49}	16.0	X	172.50514	125.05391	292.96155	8.44950	0.2142102	0.17424649	3.1746317	21	5 4.2	21.6
383804 2007 YQ_{52}	16.3	X	148.57671	135.96805	317.99130	10.25389	0.2889126	0.17443490	3.1723454	21	6 1.7	22.0
383805 2007 YQ_{65}	18.2	X	240.87245	105.85682	267.93372	2.31970	0.0899012	0.31992365	2.1172484	21	5 10.9	20.8
383806 2007 YN_{69}	15.6	X	108.88719	21.03360	119.33618	7.25415	0.0220358	0.17349732	3.1837641	21	5 27.7	20.1
383807 2007 YQ_{69}	16.5	X	107.92806	273.60815	216.66879	1.13117	0.0807072	0.16989594	3.2285986	21	5 20.6	21.1
383808 2007 YB_{72}	15.9	X	129.54983	171.14687	315.11708	9.54236	0.0328770	0.17455681	3.1708682	21	6 3.2	20.6
383809 2008 AC_{6}	16.0	X	106.91209	16.01953	92.22609	6.48171	0.1618752	0.17230550	3.1984283	21	5 4.6	20.8
383810 2008 AD_{6}	16.2	X	34.05771	302.63911	249.25909	9.53964	0.0157347	0.17625328	3.1504885	21	4 22.1	20.7
383811 2008 AE_{34}	15.8	X	34.00083	202.19965	309.38174	8.20082	0.0739842	0.15805508	3.3878987	21	3 7.2	20.2
383812 2008 AV_{71}	15.8	X	120.89398	12.15927	128.44849	16.24280	0.2197984	0.17372531	3.1809779	21	7 2.1	21.1
383813 2008 AQ_{94}	15.2	X	36.98133	253.27537	309.59989	21.25837	0.0564147	0.16857990	3.2453797	21	5 8.8	20.0
383814 2008 BE_{19}	15.8	X	176.18774	116.90610	321.14477	8.75549	0.0933286	0.17669691	3.1452131	21	5 29.9	20.8
383815 2008 BX_{52}	15.8	X	356.25106	256.91786	337.98593	15.04460	0.1688901	0.16140416	3.3408699	21	4 15.5	20.0
383816 2008 CP_{32}	17.9	X	325.44508	84.38535	133.34701	4.89785	0.1020212	0.29944314	2.2127200	21	1 22.4	20.5
383817 2008 CU_{72}	17.8	X	83.73726	302.70709	151.39920	4.45731	0.0815252	0.30260986	2.1972560	21	2 8.5	19.8
383818 2008 CL_{106}	17.4	X	155.82351	225.63023	90.75114	5.44736	0.0946191	0.28689966	2.2767536	21	—	—
383819 2008 CT_{174}	16.1	X	200.49966	257.25770	177.70068	10.91373	0.0975821	0.17547874	3.1597523	21	6 21.5	21.2
383820 2008 DZ_{18}	18.2	X	113.02974	203.05154	275.11347	2.17055	0.0630658	0.31305698	2.1480965	21	4 26.2	20.4
383821 2008 DN_{32}	18.4	X	3.70107	184.11811	14.92362	3.60924	0.1320795	0.30152124	2.2025416	21	2 22.1	20.3
383822 2008 DC_{48}	17.4	X	161.99231	331.36587	7.95574	7.96952	0.1448627	0.28681883	2.2771813	21	1 5.4	20.6
383823 2008 EE_{12}	18.5	X	109.79088	20.60436	80.34997	2.88170	0.0690331	0.30556600	2.1830618	21	3 31.4	20.8
383824 2008 EY_{38}	17.9	X	180.81185	304.42471	106.99410	3.86012	0.1381636	0.31131211	2.1561156	21	4 27.3	20.9
383825 2008 EG_{73}	17.2	X	282.30562	127.17320	144.60164	5.70381	0.2240677	0.29442480	2.2377924	21	1 29.5	20.5
383826 2008 ES_{83}	17.8	X	37.08895	282.92620	301.39273	4.94328	0.1287308	0.31295601	2.1485585	21	6 14.9	19.5
383827 2008 EU_{142}	17.9	X	85.34089	348.18132	130.16005	4.99515	0.0726045	0.30281903	2.1962441	21	3 20.7	20.1
383828 2008 FK_{50}	17.1	X	175.80493	245.99533	50.28971	6.89568	0.1847963	0.27772142	2.3266432	21	—	—
383829 2008 FB_{66}	17.8	X	342.48807	143.00265	42.19606	3.22393	0.0949575	0.28936173	2.2638205	21	1 5.6	20.5
383830 2008 FN_{66}	17.4	X	118.01090	242.97377	52.99254	3.54042	0.1880139	0.26065279	2.4271380	21	—	—
383831 2008 FZ_{67}	18.0	X	346.45083	63.51471	176.47381	3.82904	0.1489688	0.29974888	2.2112152	21	3 22.1	19.9
383832 2008 FR_{69}	18.0	X	35.92297	142.50479	64.61810	3.52460	0.0983100	0.30442973	2.1884905	21	5 11.8	19.8
383833 2008 FS_{99}	17.4	X	87.73172	21.83062	72.37301	9.22256	0.0554673	0.29362133	2.2418729	21	2 18.8	20.0
383834 2008 FS_{102}	17.7	X	272.06101	151.03371	87.96419	6.35016	0.1166547	0.28393886	2.2925536	21	—	—
383835 2008 FD_{132}	15.2	X	277.35957	291.64126	221.73138	10.58714	0.0841977	0.12513569	3.9586635	21	12 14.1	20.7
383836 2008 GJ_{68}	17.6	X	54.02963	37.10228	101.74652	5.19264	0.0840805	0.29516286	2.2340604	21	3 1.2	19.7
383837 2008 GV_{73}	17.6	X	170.81245	204.38813	135.40811	6.31575	0.1915999	0.28248467	2.3004147	21	1 19.3	20.9
383838 2008 GA_{100}	17.7	X	158.49055	98.39074	179.55256	2.09304	0.1884224	0.26650461	2.3914771	21	—	—
383839 2008 GM_{102}	17.3	X	186.04097	216.93385	65.80056	5.80196	0.1215279	0.27360304	2.3499328	21	—	—
383840 2008 GT_{123}	17.7	X	8.23732	270.57470	234.34143	4.38172	0.0512146	0.28972878	2.2619081	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383841 2008 HP_{18}	17.7	X	30.01524	58.23288	128.49463	7.65780	0.0474974	0.29864151	2.2166779	21	3 31.9	20.0
383842 2008 JY_{2}	16.2	X	217.62657	177.89913	62.96863	25.08799	0.1955396	0.27114728	2.3641002	21	—	—
383843 2008 JA_{18}	17.2	X	78.81349	45.61370	117.77685	5.47797	0.0654620	0.30300522	2.1953443	21	5 16.4	19.5
383844 2008 JD_{20}	16.4	X	226.95061	140.93855	77.72456	24.85880	0.2209599	0.27027426	2.3691883	21	—	—
383845 2008 JE_{22}	17.1	X	134.01263	260.73385	36.16423	3.05611	0.1663952	0.26289262	2.4133323	21	—	—
383846 2008 JN_{26}	16.5	X	174.04714	202.82447	104.38179	25.04765	0.2369024	0.27200167	2.3591470	21	—	—
383847 2008 JD_{38}	17.2	X	161.73278	97.77852	113.12127	13.29049	0.0489013	0.25386321	2.4702232	21	11 10.6	20.9
383848 2008 KT_{10}	17.4	X	183.43141	166.61137	98.64597	6.47709	0.0925828	0.26956130	2.3733640	21	—	—
383849 2008 LM_{4}	17.9	X	326.09332	143.95004	95.56418	3.03917	0.1347420	0.29426294	2.2386129	21	2 20.2	20.3
383850 2008 OU_{1}	16.5	X	325.14184	208.27507	120.34237	10.37151	0.2789856	0.22315688	2.6919223	21	6 14.5	19.3
383851 2008 OQ_{6}	17.0	X	47.06827	5.79246	306.30204	3.49350	0.1720467	0.23956926	2.5675288	21	11 11.5	20.4
383852 2008 OF_{22}	17.3	X	182.91629	327.93847	324.05598	5.03014	0.2125555	0.26224877	2.4172807	21	—	—
383853 2008 OO_{23}	16.5	X	352.81937	71.00506	245.78140	10.60927	0.2653137	0.22512066	2.6762447	21	8 6.0	18.6
383854 2008 PA_{2}	17.1	X	351.32463	260.42582	91.19521	5.25904	0.2996670	0.23011409	2.6373873	21	10 15.7	18.7
383855 2008 PO_{5}	17.0	X	9.41141	70.92522	237.64276	2.90937	0.1267428	0.22972656	2.6403525	21	8 29.4	19.8
383856 2008 PH_{12}	15.8	X	334.99341	54.09385	317.83571	12.56109	0.3080007	0.22726147	2.6594113	21	9 13.0	17.5
383857 2008 PQ_{17}	16.9	X	267.09744	73.73671	317.07455	7.57863	0.3160237	0.21673115	2.7448703	21	6 11.3	21.4
383858 2008 PD_{21}	16.7	X	314.24412	230.36349	119.04897	14.14978	0.2804022	0.22257722	2.6965941	21	6 23.5	19.8
383859 2008 QG	17.2	X	42.09318	190.19695	313.07542	3.93341	0.0850613	0.27581100	2.3373746	21	2 16.1	19.3
383860 2008 QB_{4}	16.5	X	249.55015	209.68190	279.14856	12.31734	0.1009554	0.23709185	2.5853835	21	10 22.4	20.3
383861 2008 QU_{5}	16.0	X	2.56622	236.51851	145.69347	31.66401	0.2572139	0.23346712	2.6120745	21	12 26.3	19.4
383862 2008 QR_{24}	17.3	X	12.82129	177.11636	197.69206	2.61109	0.1609797	0.23589871	2.5940938	21	12 14.3	20.1
383863 2008 QO_{29}	17.2	X	6.78353	12.58867	1.26602	2.68838	0.1612625	0.23746256	2.5826920	21	12 2.9	19.9
383864 2008 QU_{44}	16.3	X	339.03909	333.08212	18.00504	8.85829	0.3385908	0.22736268	2.6586220	21	8 29.6	17.6
383865 2008 QE_{45}	16.9	X	316.53264	111.31250	232.26395	7.53849	0.2619784	0.22125906	2.7072935	21	6 21.3	19.8
383866 2008 QO_{45}	16.0	X	310.89343	13.66836	331.35189	13.34905	0.2051491	0.21708068	2.7419231	21	6 25.1	19.4
383867 2008 RZ_{23}	16.3	X	344.00294	80.74757	279.60452	7.66149	0.1539937	0.22690994	2.6621572	21	9 23.1	19.1
383868 2008 RK_{25}	16.8	X	30.57916	23.97673	313.85860	16.43437	0.1973398	0.23667955	2.5883851	21	11 24.3	20.3
383869 2008 RA_{26}	16.8	X	335.17131	120.31651	302.97001	12.44858	0.2562438	0.23664316	2.5886505	21	12 22.7	18.8
383870 2008 RJ_{36}	16.8	X	348.75233	158.79706	185.41809	5.92930	0.0658297	0.22534564	2.6744631	21	9 11.1	20.1
383871 2008 RF_{38}	17.0	X	339.83578	32.14825	351.00256	3.93744	0.1321636	0.23059049	2.6337535	21	10 22.3	19.8
383872 2008 RO_{49}	16.7	X	233.19622	221.22141	267.89549	6.22626	0.1463413	0.23231308	2.6207179	21	9 27.5	20.6
383873 2008 RZ_{50}	16.9	X	325.56086	71.47970	290.97586	5.13828	0.1323983	0.22595120	2.6696825	21	8 24.2	19.7
383874 2008 RX_{62}	17.6	X	310.47320	312.60639	152.32029	5.31203	0.1362710	0.24060965	2.5601221	21	12 26.9	20.2
383875 2008 RA_{64}	16.9	X	345.44136	291.37357	37.49792	2.93269	0.2462180	0.22452710	2.6809592	21	8 12.6	18.9
383876 2008 RF_{75}	16.4	X	267.97998	46.45757	11.17458	9.80836	0.2434170	0.21934591	2.7230128	21	7 29.6	20.4
383877 2008 RM_{96}	16.9	X	324.23823	18.51344	0.25865	3.59288	0.1995634	0.22417052	2.6838014	21	9 11.1	19.4
383878 2008 RW_{100}	17.0	X	252.05420	148.74031	255.45331	3.23309	0.0749295	0.21511220	2.7586251	21	7 11.8	20.9
383879 2008 RE_{108}	17.0	X	10.16725	13.75547	279.82423	5.49895	0.0279690	0.21782043	2.7357116	21	8 2.3	20.6
383880 2008 RQ_{108}	16.7	X	324.62115	140.74886	190.23736	5.12303	0.0795662	0.21684947	2.7438717	21	7 13.8	20.2
383881 2008 RO_{115}	17.4	X	301.83217	252.21027	181.69133	2.75031	0.1163010	0.23332644	2.6131244	21	10 28.9	20.3
383882 2008 RJ_{129}	16.6	X	329.28170	286.91818	81.07574	6.70068	0.1029028	0.21975251	2.7196529	21	9 15.6	19.8
383883 2008 RU_{136}	16.4	X	245.22449	295.53385	153.10074	8.77858	0.1601670	0.22004279	2.7172606	21	8 20.2	20.4
383884 2008 RT_{137}	16.9	X	293.45772	104.50506	314.36556	5.19604	0.1004180	0.22597328	2.6695086	21	9 22.2	20.3
383885 2008 RN_{139}	17.2	X	330.53489	151.89856	185.47312	4.48420	0.1710037	0.22274509	2.6952391	21	7 23.9	20.1
383886 2008 RH_{140}	16.7	X	26.00150	64.44045	289.02663	11.06044	0.2240421	0.23601047	2.5932748	21	12 15.9	19.9
383887 2008 RO_{142}	16.1	X	344.51319	47.99083	275.67449	9.75607	0.1654954	0.22284442	2.6944381	21	7 31.6	18.9
383888 2008 RB_{146}	17.0	X	247.33130	152.86473	266.54148	6.97569	0.2125484	0.21477695	2.7614951	21	7 9.3	21.3
383889 2008 SF_{1}	16.3	X	324.22650	237.59542	136.49752	9.07054	0.3022899	0.22520478	2.6755782	21	8 20.8	18.2
383890 2008 SM_{4}	16.4	X	339.26078	167.38511	168.36650	14.59975	0.2685227	0.22365335	2.6879371	21	7 31.0	18.7
383891 2008 SV_{5}	16.6	X	253.92480	220.54915	165.17322	12.17373	0.2444668	0.21090120	2.7952244	21	6 2.5	21.3
383892 2008 SK_{6}	16.9	X	67.16499	188.40488	141.06774	4.66707	0.1394471	0.24010688	2.5636947	21	12 24.1	20.5
383893 2008 SR_{28}	16.9	X	352.87895	9.22753	340.29197	5.75635	0.1881411	0.22715397	2.6602503	21	9 30.3	19.4
383894 2008 ST_{30}	16.5	X	281.00033	103.23554	211.02606	16.54212	0.1119763	0.20509835	2.8477024	21	4 16.1	20.4
383895 2008 SG_{36}	16.7	X	332.86686	2.02302	42.90388	3.38580	0.0692153	0.23103032	2.6304097	21	11 10.2	19.8
383896 2008 SA_{41}	16.6	X	271.42089	258.02892	142.80991	3.28207	0.2124406	0.21852912	2.7297937	21	7 12.1	20.5
383897 2008 ST_{44}	17.1	X	314.28833	347.49079	16.78758	2.63674	0.0749962	0.21912275	2.7248613	21	8 15.9	20.3
383898 2008 SQ_{45}	17.0	X	0.63925	285.86765	28.77733	5.94714	0.0433473	0.21855598	2.7295701	21	8 22.0	20.5
383899 2008 SD_{47}	17.2	X	348.77097	342.50338	34.09211	3.65457	0.1277906	0.22848650	2.6498971	21	10 30.2	20.0
383900 2008 SA_{52}	17.1	X	292.57879	343.39123	3.32789	2.18702	0.2578710	0.21471839	2.7619971	21	5 20.6	20.9
383901 2008 SN_{52}	17.0	X	319.70872	203.73008	191.59067	2.80634	0.1660455	0.22639824	2.6661670	21	9 29.4	19.6
383902 2008 SC_{58}	17.2	X	289.65983	213.01966	171.36037	3.68936	0.2044378	0.21657221	2.7462131	21	7 14.9	20.9
383903 2008 SV_{66}	17.1	X	350.86848	322.96872	24.17819	7.29411	0.2494228	0.22653351	2.6651056	21	9 29.4	19.0
383904 2008 SD_{69}	15.8	X	126.94787	59.68007	351.43142	14.90377	0.0711657	0.18924390	3.0046101	21	3 4.5	20.1
383905 2008 SQ_{72}	17.5	X	329.63782	92.82300	317.48266	2.21274	0.1373871	0.22914787	2.6447959	21	11 11.1	20.3
383906 2008 ST_{75}	17.0	X	178.56876	336.19561	209.46759	3.81180	0.0852022	0.23175543	2.6249202	21	10 18.6	20.9
383907 2008 SP_{79}	16.4	X	198.45129	164.29862	357.25206	14.43537	0.0195754	0.23021573	2.6366110	21	10 11.6	20.2
383908 2008 SE_{84}	17.0	X	295.99230	222.86388	161.01464	3.26508	0.2687456	0.21812878	2.7331328	21	7 13.0	20.5
383909 2008 SC_{88}	17.0	X	22.17933	62.48738	288.87005	3.66149	0.2283230	0.23615057	2.5922490	21	12 7.7	20.0
383910 2008 SK_{91}	16.9	X	2.75237	33.66971	312.05760	1.65379	0.1085428	0.22672329	2.6636181	21	10 8.8	19.9
383911 2008 SN_{101}	17.0	X	285.94703	325.57656	132.86663	4.12616	0.1786751	0.22793063	2.6542037	21	10 27.9	20.0
383912 2008 ST_{114}	17.0	X	244.21906	0.51264	51.76427	6.66563	0.0551240	0.21351464	2.7723685	21	7 16.9	20.9
383913 2008 SP_{121}	17.2	X	297.03945	201.82581	215.83551	3.44746	0.1523372	0.22336931	2.6902153	21	9 19.7	20.3
383914 2008 SX_{122}	17.0	X	7.01475	274.08818	19.74998	3.81515	0.0700445	0.21514314	2.7583607	21	8 2.4	20.4
383915 2008 SZ_{125}	17.0	X	216.33964	276.15164	211.70446	6.82432	0.1880533	0.21754940	2.7379832	21	9 4.1	21.4
383916 2008 SZ_{127}	15.8	X	204.04719	276.35467	14.97462	12.31746	0.1053455	0.17962840	3.1109000	21	1 6.6	20.9
383917 2008 SG_{128}	16.9	X	340.17052	122.98702	241.42273	5.12999	0.0589070	0.22282020	2.6946333	21	9 23.6	20.2
383918 2008 ST_{131}	16.6	X	283.72951	11.33361	7.05216	4.39729	0.0865088	0.21345627	2.7728738	21	7 18.9	20.2
383919 2008 SX_{145}	16.3	X	242.03119	39.98266	15.17843	7.36798	0.2032929	0.21266532	2.7797449	21	6 30.7	20.8
383920 2008 SM_{147}	16.7	X	306.75811	260.26303	230.08066	10.59561	0.0846543	0.24492416	2.5299676	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
383921 2008 SM_{152}	15.7	X	253.56104	271.50416	209.41709	21.18096	0.1136061	0.22865041	2.6486306	21	10 18.8	19.2
383922 2008 SO_{162}	16.8	X	288.08142	239.53138	182.48102	5.68060	0.1634280	0.22409747	2.6843846	21	9 9.9	20.1
383923 2008 SE_{166}	17.4	X	349.60761	343.79448	25.13640	4.86388	0.2362680	0.22894447	2.6463622	21	10 28.5	19.4
383924 2008 SJ_{167}	16.7	X	315.69224	350.92956	40.34122	3.10884	0.2056262	0.22340009	2.6899682	21	9 11.7	19.3
383925 2008 SK_{173}	16.9	X	31.88222	114.69741	230.14447	8.46236	0.2247115	0.23646996	2.5899144	21	12 12.7	20.1
383926 2008 SC_{174}	16.5	X	306.55321	153.31863	257.51336	12.64639	0.2672243	0.22591357	2.6699789	21	9 2.7	19.6
383927 2008 SM_{175}	16.8	X	296.72168	112.56288	303.41412	4.39504	0.1766902	0.22508740	2.6765083	21	9 12.4	20.0
383928 2008 SR_{188}	17.1	X	29.32491	105.45340	252.45062	2.80496	0.1415478	0.23496740	2.6009439	21	12 13.0	20.1
383929 2008 ST_{192}	17.2	X	275.14283	281.08667	114.00422	3.58909	0.0899313	0.21568066	2.7537758	21	7 28.3	20.8
383930 2008 SB_{194}	16.8	X	335.80743	308.27723	68.92545	6.20142	0.0486499	0.22507591	2.6765994	21	10 10.3	20.2
383931 2008 SM_{199}	17.0	X	213.58759	245.71107	217.05412	8.17752	0.1288885	0.21374221	2.7704003	21	8 4.6	21.4
383932 2008 SE_{200}	16.6	X	325.81065	145.73799	244.30205	4.88323	0.0593713	0.22480804	2.6787252	21	10 7.3	19.9
383933 2008 SU_{201}	16.9	X	336.58290	68.91926	252.18314	2.36569	0.0887475	0.21420236	2.7664312	21	7 19.2	20.1
383934 2008 SJ_{203}	17.2	X	234.59027	294.94563	191.72127	8.86559	0.2377186	0.21935356	2.7229495	21	9 16.6	21.5
383935 2008 SA_{218}	16.9	X	265.30548	88.48098	2.08815	8.26361	0.1111406	0.22610112	2.6685022	21	9 24.9	20.2
383936 2008 SW_{219}	16.7	X	297.73573	175.78633	195.74597	4.04499	0.1266976	0.21850326	2.7300092	21	7 21.6	20.2
383937 2008 SP_{221}	17.7	X	311.36835	238.63333	195.20981	3.01113	0.1149382	0.23434361	2.6055574	21	11 14.6	20.4
383938 2008 SU_{228}	17.1	X	268.37035	107.99170	296.54981	4.22595	0.1238903	0.21816906	2.7327964	21	7 26.3	20.6
383939 2008 SV_{239}	16.8	X	82.62297	257.52799	51.60360	6.81347	0.2623144	0.23987409	2.5653531	21	12 25.8	21.1
383940 2008 SO_{240}	17.0	X	250.61396	48.45459	90.49617	5.61736	0.0465676	0.23167321	2.6255412	21	11 19.4	20.5
383941 2008 SL_{244}	16.2	X	270.87378	331.02027	40.09038	15.58645	0.1626403	0.21002368	2.8030050	21	6 6.9	20.4
383942 2008 SZ_{258}	16.5	X	342.83005	93.22128	280.52180	11.39457	0.2413124	0.22783934	2.6549127	21	10 11.7	19.0
383943 2008 SR_{260}	16.2	X	327.09909	94.79246	258.92999	11.15107	0.2025324	0.22028131	2.7152987	21	8 3.4	19.2
383944 2008 SX_{263}	17.0	X	220.10057	267.42342	187.68175	4.28110	0.0379875	0.21389084	2.7691167	21	8 12.0	21.0
383945 2008 ST_{268}	16.5	X	26.14111	218.13921	123.39524	6.26666	0.2213545	0.23213044	2.6220923	21	11 30.1	19.7
383946 2008 SU_{268}	16.4	X	326.38466	223.83030	132.85503	9.40833	0.3178371	0.22102056	2.7092408	21	7 23.8	18.6
383947 2008 SF_{272}	16.5	X	3.73814	241.29996	146.37305	14.76717	0.1940467	0.23251667	2.6191879	21	12 21.9	19.6
383948 2008 SH_{274}	16.7	X	60.23704	325.08832	298.57767	3.29490	0.0333634	0.22139847	2.7061569	21	9 2.4	20.4
383949 2008 SG_{281}	16.9	X	282.58262	316.87317	85.86152	4.57999	0.0925505	0.21316274	2.7754187	21	8 19.1	20.5
383950 2008 SG_{286}	17.1	X	268.61588	42.87646	56.97886	4.45988	0.1815782	0.22478646	2.6788966	21	10 2.7	20.6
383951 2008 SK_{306}	17.0	X	277.72111	121.23640	288.40514	7.05558	0.1416195	0.21782091	2.7357075	21	8 10.5	20.7
383952 2008 SH_{307}	16.5	X	255.26331	116.92967	310.29705	7.76621	0.1555465	0.21791044	2.7349582	21	8 4.6	20.2
383953 2008 TV	17.1	X	301.04336	151.38931	215.21284	3.98632	0.1735412	0.21860227	2.7291848	21	7 12.5	20.5
383954 2008 TG_{1}	16.7	X	264.22538	116.41358	354.04558	11.91290	0.1712532	0.22703711	2.6611630	21	10 7.5	20.2
383955 2008 TE_{6}	16.4	X	357.53348	215.67824	204.24096	11.47505	0.0330647	0.23858216	2.5746057	21	—	—
383956 2008 TA_{7}	17.0	X	286.72155	187.95914	188.36793	3.31521	0.2079411	0.21717586	2.7411219	21	6 29.6	20.6
383957 2008 TE_{8}	16.6	X	232.37547	287.31428	176.13861	8.87324	0.1222068	0.21896661	2.7261565	21	8 28.4	20.6
383958 2008 TL_{22}	17.3	X	304.34357	251.05186	134.63079	3.19317	0.1175474	0.21835108	2.7312774	21	8 23.9	20.6
383959 2008 TP_{32}	17.3	X	290.01476	308.31343	137.04404	2.12586	0.0851279	0.22839986	2.6505673	21	10 28.8	20.5
383960 2008 TM_{34}	17.2	X	273.73578	265.06027	172.14518	4.51234	0.1384544	0.22154878	2.7049327	21	9 13.8	20.4
383961 2008 TD_{36}	17.3	X	279.78855	79.45382	339.90866	3.75091	0.0803805	0.22341809	2.6898238	21	9 7.4	20.7
383962 2008 TH_{39}	17.1	X	40.91589	64.22349	307.21555	1.29080	0.1193229	0.23803496	2.5785500	21	—	—
383963 2008 TC_{41}	16.3	X	277.38469	154.49611	235.87498	9.06687	0.2713511	0.21573588	2.7533058	21	6 26.6	20.3
383964 2008 TP_{44}	17.5	X	344.56298	188.32717	216.31953	3.77344	0.0375802	0.23045726	2.6347685	21	11 26.5	20.7
383965 2008 TE_{47}	16.5	X	99.93309	205.75228	75.86852	7.17289	0.0111432	0.22928200	2.6437643	21	11 16.7	20.0
383966 2008 TQ_{51}	16.9	X	64.04244	274.18943	42.87100	2.90453	0.0847451	0.23427399	2.6060735	21	11 26.5	20.4
383967 2008 TZ_{55}	17.2	X	343.46392	181.15652	194.24002	3.99253	0.0783053	0.22723462	2.6596208	21	10 17.6	20.2
383968 2008 TT_{57}	17.2	X	359.64318	340.52639	25.86430	6.59458	0.0947770	0.22953854	2.6417942	21	10 31.7	20.3
383969 2008 TU_{57}	16.5	X	292.53397	350.94622	26.84827	6.59561	0.0626949	0.21683512	2.7439928	21	8 5.0	20.1
383970 2008 TU_{63}	17.1	X	104.89971	273.45103	25.04703	6.33162	0.1159117	0.23881796	2.5729108	21	12 22.7	21.0
383971 2008 TC_{68}	17.1	X	314.79515	161.13795	179.07240	5.95392	0.0829753	0.21294942	2.7772720	21	7 10.8	20.7
383972 2008 TF_{83}	16.8	X	290.77506	130.48423	232.36475	4.85859	0.0480529	0.21451442	2.7637477	21	7 11.5	20.5
383973 2008 TL_{88}	16.9	X	259.34851	277.69831	129.15146	4.74069	0.0980387	0.21375785	2.7702651	21	7 21.5	20.8
383974 2008 TA_{92}	16.1	X	342.24273	91.94610	325.92256	21.15679	0.1115807	0.23580400	2.5947883	21	12 17.6	19.5
383975 2008 TM_{99}	17.0	X	325.04848	330.09153	35.74919	1.33851	0.1114634	0.22263548	2.6961236	21	9 1.4	20.1
383976 2008 TP_{102}	17.5	X	306.02673	258.20216	193.33967	2.50125	0.0479195	0.23466621	2.6031689	21	12 3.9	20.6
383977 2008 TK_{105}	17.3	X	309.80508	72.23817	353.35824	1.97243	0.0919530	0.22833744	2.6510503	21	10 30.6	20.4
383978 2008 TK_{106}	17.5	X	302.46266	81.45797	8.37967	0.83738	0.0849227	0.23180376	2.6245553	21	11 22.6	20.3
383979 2008 TO_{106}	17.2	X	74.56489	278.58988	30.19328	4.95761	0.0682878	0.23331631	2.6132000	21	11 25.9	20.8
383980 2008 TB_{115}	16.6	X	302.30096	235.00369	235.37557	12.79831	0.0600659	0.23775876	2.5805465	21	12 22.2	19.8
383981 2008 TS_{115}	16.7	X	347.41144	143.63761	233.76057	11.41438	0.1676443	0.22848555	2.6499045	21	10 30.2	19.4
383982 2008 TJ_{116}	16.7	X	324.20522	131.31326	263.31808	4.59524	0.0827304	0.22547235	2.6734611	21	10 9.9	19.9
383983 2008 TA_{122}	16.3	X	41.49206	81.43830	262.72185	9.51867	0.1386073	0.23576558	2.5950702	21	12 11.3	19.7
383984 2008 TE_{122}	16.6	X	256.78795	110.85126	243.20669	8.03415	0.1505909	0.20648963	2.8348966	21	5 3.7	21.0
383985 2008 TT_{130}	16.6	X	357.68274	320.04270	1.70338	6.42450	0.0668638	0.21887898	2.7268841	21	8 27.1	19.8
383986 2008 TU_{132}	17.1	X	313.55541	141.31713	275.70456	3.90279	0.1503056	0.22707067	2.6609008	21	10 18.8	19.9
383987 2008 TY_{139}	16.7	X	287.37811	215.62188	218.79455	12.21228	0.0945233	0.22487875	2.6781636	21	10 4.9	20.0
383988 2008 TQ_{154}	16.5	X	278.84749	27.33624	12.15051	9.63888	0.2123939	0.21534268	2.7566564	21	7 22.9	20.4
383989 2008 TX_{160}	16.7	X	163.22726	193.46448	55.47037	8.57818	0.1270966	0.23877670	2.5732072	21	12 18.6	20.7
383990 2008 TA_{161}	16.5	X	203.22536	160.69523	34.29239	7.72857	0.0316955	0.23533205	2.5982564	21	12 1.8	20.2
383991 2008 TP_{163}	17.3	X	27.73365	343.71844	310.21754	1.83487	0.0471761	0.21784735	2.7354862	21	8 30.8	20.8
383992 2008 TJ_{165}	16.8	X	53.61138	253.29305	46.68298	7.58850	0.1091094	0.22427669	2.6829544	21	10 25.7	20.2
383993 2008 TR_{165}	17.2	X	282.51485	348.95737	31.12842	7.58057	0.1231654	0.20928026	2.8096391	21	7 14.0	21.1
383994 2008 TG_{166}	17.0	X	214.52697	106.01660	77.91992	5.34376	0.0326127	0.23179774	2.6246008	21	12 2.3	20.3
383995 2008 TG_{169}	17.3	X	247.54972	190.34162	206.43996	3.84912	0.0816441	0.20935221	2.8089953	21	6 25.7	21.3
383996 2008 TL_{180}	16.2	X	247.12859	8.35051	53.62937	13.57534	0.1392846	0.21624479	2.7489844	21	7 24.3	20.5
383997 2008 UO_{2}	16.6	X	292.55159	155.75939	189.93479	10.00793	0.1939178	0.21256750	2.7805975	21	5 30.9	20.4
383998 2008 UH_{10}	17.1	X	0.67285	67.00118	245.63467	3.73797	0.1057068	0.22117767	2.7079576	21	8 16.9	20.1
383999 2008 UR_{11}	16.6	X	256.07708	260.61921	250.18685	6.33099	0.1027442	0.23628616	2.5912572	21	12 3.6	19.7
384000 2008 UJ_{13}	16.7	X	314.21751	241.25939	201.03914	11.02018	0.1394557	0.23356352	2.6113557	21	11 30.6	19.5