Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332001 2005 JN_{156}	17.7	X	54.75290	25.11817	64.68293	2.54129	0.0357210	0.28997192	2.2606435	21	—	—
332002 2005 LJ_{4}	17.0	X	329.52860	179.15550	82.45491	16.03518	0.0796014	0.24325619	2.5415195	21	4 22.1	20.4
332003 2005 LS_{13}	18.2	X	189.30037	133.72185	172.38265	5.30762	0.2169369	0.28388661	2.2928348	21	—	—
332004 2005 LL_{16}	17.2	X	144.83325	45.00845	265.21520	5.82684	0.1467321	0.27358241	2.3500509	21	—	—
332005 2005 LG_{18}	17.7	X	265.61783	25.68189	162.86668	3.41771	0.1772164	0.28282998	2.2985419	21	—	—
332006 2005 LG_{39}	16.9	X	128.92884	131.93547	234.97614	23.02263	0.1944557	0.28266015	2.2994625	21	1 2.9	20.1
332007 2005 MD_{14}	15.3	X	205.77693	135.58577	237.24399	21.60211	0.0944934	0.17713017	3.1400822	21	4 7.9	20.4
332008 2005 MR_{15}	15.9	X	140.00129	70.37229	249.98641	21.72679	0.2232901	0.27152941	2.3618817	21	—	—
332009 2005 MN_{25}	18.2	X	148.95451	40.31023	270.93365	0.87194	0.1948780	0.27401031	2.3476036	21	—	—
332010 2005 MT_{42}	14.8	X	338.80498	145.78838	198.98701	3.43586	0.2306123	0.12252711	4.0146521	21	8 9.2	19.3
332011 2005 ML_{52}	17.4	X	123.29902	91.54596	293.83855	5.25146	0.1755145	0.27805405	2.3247873	21	1 23.5	20.2
332012 2005 NO_{7}	17.2	X	192.11255	90.68370	127.52613	2.10275	0.1274735	0.26797906	2.3826970	21	12 15.2	20.5
332013 2005 NN_{11}	18.0	X	131.42701	4.35620	305.43474	0.67673	0.1974838	0.27005599	2.3704648	21	—	—
332014 2005 NT_{47}	15.6	X	349.55060	311.82439	17.79125	2.97080	0.2417314	0.12402300	3.9823053	21	8 14.1	19.7
332015 2005 NY_{54}	17.4	X	71.87849	197.77932	175.04408	2.82411	0.2424459	0.26680482	2.3896829	21	—	—
332016 2005 NL_{84}	17.1	X	141.70193	344.27215	332.65252	2.19649	0.2265620	0.27298425	2.3534826	21	—	—
332017 2005 NF_{86}	18.3	X	155.60000	113.43535	159.87996	1.51090	0.1747470	0.27093485	2.3653358	21	—	—
332018 2005 NH_{95}	17.7	X	172.44805	118.12901	150.37742	1.60000	0.1671754	0.27266537	2.3553172	21	—	—
332019 2005 NP_{122}	14.7	X	15.17003	71.44046	248.22808	7.79706	0.3001116	0.12412393	3.9801463	21	9 27.5	19.0
332020 2005 NR_{124}	17.1	X	114.82175	39.58149	253.62287	6.24133	0.1278430	0.26419803	2.4053761	21	12 30.6	20.8
332021 2005 OA_{3}	15.9	X	192.31294	359.71418	289.54643	25.44446	0.2240619	0.27486833	2.3427157	21	—	—
332022 2005 OZ_{4}	17.5	X	183.54791	13.00818	292.89230	4.72933	0.2089286	0.27807489	2.3246712	21	—	—
332023 2005 OF_{8}	15.7	X	65.33464	131.63562	245.32384	23.62632	0.2451229	0.26311797	2.4119541	21	—	—
332024 2005 OO_{24}	17.1	X	233.67258	343.69375	243.46133	4.41400	0.1680431	0.27476689	2.3432922	21	—	—
332025 2005 OX_{27}	17.4	X	191.43517	84.84257	204.70044	3.52809	0.2353393	0.27760922	2.3272701	21	—	—
332026 2005 PH	16.8	X	145.91196	69.75173	243.42986	10.72019	0.3299469	0.27066007	2.3669364	21	—	—
332027 2005 PE_{3}	17.3	X	195.26942	186.12094	143.84595	7.28540	0.2893519	0.28073726	2.3099505	21	2 2.6	21.4
332028 2005 PY_{4}	17.9	X	112.55803	256.68842	55.64095	2.23531	0.2000063	0.26790903	2.3831122	21	—	—
332029 2005 PQ_{10}	17.6	X	93.26239	241.17483	101.04459	4.37788	0.2020093	0.26602138	2.3943724	21	—	—
332030 2005 PK_{15}	17.4	X	91.79653	230.88408	103.79382	2.65658	0.1976381	0.26469031	2.4023928	21	—	—
332031 2005 PD_{16}	15.1	X	344.12919	238.81785	104.80409	3.81500	0.2704884	0.12158447	4.0353757	21	8 18.8	19.2
332032 2005 PW_{18}	17.5	X	186.13107	181.91143	146.53682	5.66657	0.1821992	0.28108168	2.3080632	21	1 18.9	21.0
332033 2005 PL_{23}	16.7	X	134.05831	227.44724	107.45230	10.08010	0.3311898	0.27037826	2.3685808	21	—	—
332034 2005 QS_{5}	17.7	X	169.97255	174.19549	142.92321	7.26929	0.1231486	0.27704941	2.3304041	21	—	—
332035 2005 QZ_{17}	17.3	X	125.60878	226.45941	150.98788	2.81984	0.2474586	0.27347033	2.3506930	21	1 27.6	20.2
332036 2005 QD_{53}	16.5	X	185.60757	72.71226	158.22723	23.12709	0.2207332	0.26695313	2.3887977	21	12 18.7	20.9
332037 2005 QJ_{62}	18.0	X	98.43426	219.98437	112.03678	1.20281	0.2220115	0.26490552	2.4010915	21	—	—
332038 2005 QZ_{73}	16.5	X	93.99055	219.21700	177.60827	11.37653	0.2592036	0.26910450	2.3760491	21	1 9.1	18.9
332039 2005 QU_{76}	17.4	X	96.84183	348.86694	351.99479	4.89605	0.2518095	0.26606438	2.3941143	21	—	—
332040 2005 QY_{80}	16.9	X	147.33448	139.41123	201.59055	10.81871	0.2680307	0.27425852	2.3461870	21	1 5.9	20.6
332041 2005 QD_{83}	17.6	X	140.20322	172.79542	177.62369	6.14666	0.2091247	0.27368152	2.3494835	21	1 4.0	20.8
332042 2005 QN_{89}	17.4	X	53.95788	60.96639	314.65841	1.26271	0.2279017	0.26312734	2.4118969	21	—	—
332043 2005 QC_{99}	16.0	X	1.97136	346.24445	0.00913	10.06466	0.1062257	0.18767388	3.0213447	21	10 1.8	19.7
332044 2005 QP_{99}	17.1	X	118.19034	27.32485	281.45674	3.48177	0.2023559	0.26553404	2.3973011	21	—	—
332045 2005 QC_{115}	18.1	X	91.06172	81.54960	246.90582	1.33953	0.2309787	0.26184714	2.4197518	21	—	—
332046 2005 QP_{121}	17.9	X	92.24729	114.85297	278.24194	0.79042	0.1671907	0.27120379	2.3637718	21	—	—
332047 2005 QU_{147}	16.8	X	42.10984	296.43191	59.18609	7.57530	0.1190002	0.25858857	2.4400375	21	12 28.9	20.0
332048 2005 QN_{157}	17.3	X	137.97788	151.38936	194.96276	4.43583	0.2517261	0.27071921	2.3665917	21	1 2.7	20.6
332049 2005 QC_{158}	17.2	X	108.68380	316.90963	47.65631	3.82428	0.1975814	0.26917242	2.3756494	21	—	—
332050 2005 QH_{175}	17.3	X	241.31230	166.70302	168.28292	9.86094	0.2270490	0.28832252	2.2692569	21	3 14.9	21.1
332051 2005 QJ_{176}	17.5	X	54.29152	353.23634	359.08735	2.75962	0.1903098	0.25795530	2.4440293	21	—	—
332052 2005 QG_{183}	17.1	X	167.59387	181.47068	128.93153	5.93782	0.2254665	0.27246300	2.3564833	21	—	—
332053 2005 RR_{7}	17.3	X	143.53498	23.04266	355.04571	3.07823	0.2080027	0.27642739	2.3338987	21	2 12.9	20.6
332054 2005 RB_{25}	16.5	X	111.37825	45.53724	311.05400	6.97934	0.2313198	0.26799788	2.3825854	21	—	—
332055 2005 RW_{33}	16.1	X	168.85841	128.48414	223.56251	21.92289	0.2377426	0.27586537	2.3370675	21	1 30.1	20.4
332056 2005 RM_{44}	16.8	X	144.36073	188.37599	124.25479	11.12643	0.3217611	0.26908250	2.3761786	21	—	—
332057 2005 SY_{2}	17.5	X	69.59664	187.38304	165.00213	2.24708	0.2302916	0.26034337	2.4290607	21	—	—
332058 2005 SM_{12}	16.1	X	97.04534	116.50145	238.98115	6.39376	0.1154499	0.26458162	2.4030507	21	—	—
332059 2005 SD_{19}	16.1	X	190.97380	115.02671	194.23969	23.09973	0.2365037	0.27400458	2.3476364	21	1 2.0	20.5
332060 2005 SA_{27}	15.8	X	353.68252	351.35575	333.45835	8.50540	0.0992074	0.17922111	3.1156113	21	8 20.9	19.6
332061 2005 SN_{55}	17.2	X	328.03717	354.66413	33.26638	1.96055	0.0825139	0.24569095	2.5247009	21	10 12.7	20.1
332062 2005 SQ_{65}	16.6	X	35.52177	167.82126	255.42810	4.25793	0.1293446	0.26388280	2.4072914	21	—	—
332063 2005 SL_{70}	16.6	X	14.81801	357.11823	7.38594	6.34412	0.1187987	0.25351885	2.4724597	21	11 29.8	19.5
332064 2005 ST_{99}	16.9	X	162.25864	13.29802	254.67817	5.50076	0.1277442	0.26134553	2.4228471	21	—	—
332065 2005 SM_{102}	16.7	X	242.80679	176.42743	251.01550	4.26269	0.0925564	0.23705372	2.5856607	21	7 28.6	20.3
332066 2005 SP_{108}	18.3	X	88.65510	356.16861	305.03386	0.55661	0.1840990	0.25606233	2.4560597	21	12 18.1	22.1
332067 2005 SG_{132}	15.8	X	258.37012	196.76943	225.47298	10.92821	0.1721776	0.23439469	2.6051788	21	7 27.3	19.7
332068 2005 SX_{162}	16.8	X	208.85878	254.09457	63.39541	7.35434	0.1328662	0.28067986	2.3102654	21	1 26.7	20.3
332069 2005 SX_{193}	16.5	X	150.80127	294.02799	211.08726	11.59538	0.1068449	0.23254567	2.6189702	21	7 25.6	20.7
332070 2005 SB_{199}	17.5	X	128.77722	129.52480	197.77584	5.33083	0.1438485	0.26681578	2.3896174	21	—	—
332071 2005 SD_{210}	17.9	X	81.81196	123.24093	217.46510	5.23880	0.2207630	0.26149874	2.4219006	21	—	—
332072 2005 SZ_{213}	16.1	X	240.22729	161.56869	229.88562	14.24937	0.0911558	0.23061654	2.6335551	21	6 8.4	19.9
332073 2005 SU_{214}	15.5	X	270.38988	102.43376	306.86036	10.10813	0.1117962	0.17638166	3.1489596	21	8 4.3	19.7
332074 2005 SO_{219}	16.3	X	4.48669	78.03386	274.25004	4.37637	0.3443692	0.24063646	2.5599320	21	11 29.3	18.4
332075 2005 SW_{226}	16.9	X	127.53067	158.62188	39.15193	3.78283	0.0398613	0.24171395	2.5523187	21	9 7.6	20.3
332076 2005 SS_{239}	16.5	X	85.44760	142.07509	240.82899	9.14149	0.1165446	0.26787445	2.3833172	21	—	—
332077 2005 SG_{256}	17.3	X	47.02331	108.85964	294.72042	2.02270	0.1692049	0.26334942	2.4105407	21	—	—
332078 2005 TY_{26}	17.5	X	260.60955	198.71223	201.18232	3.92281	0.1534473	0.23407122	2.6075783	21	7 5.8	21.1
332079 2005 TZ_{27}	18.0	X	277.01933	253.96130	202.70809	3.92226	0.2491748	0.36829758	1.9275403	21	10 24.4	18.3
332080 2005 TV_{55}	17.4	X	130.05112	274.31969	49.14104	4.02691	0.1413996	0.26641418	2.3920183	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332081 2005 TA_{138}	17.0	X	260.16961	241.72239	188.34912	14.28417	0.0835080	0.24088180	2.5581935	21	8 23.5	20.7
332082 2005 TH_{141}	17.0	X	177.14458	134.44001	92.73648	3.03156	0.0809400	0.25520338	2.4615676	21	12 12.1	20.3
332083 2005 TX_{169}	16.6	X	161.34856	57.55451	276.81638	4.05552	0.2119479	0.27286350	2.3541769	21	1 7.1	19.9
332084 Vasyakulbeda	16.1	X	102.76766	289.27971	201.78539	23.48687	0.2437196	0.21890472	2.7266704	21	6 3.6	20.5
332085 2005 UQ_{43}	16.4	X	115.31235	241.83705	235.05924	11.95856	0.1493730	0.21904488	2.7255070	21	5 18.5	20.2
332086 2005 UN_{57}	17.3	X	229.05669	101.28939	228.91929	2.20812	0.1473711	0.28277479	2.2988409	21	2 27.9	20.7
332087 2005 UE_{71}	16.5	X	144.98772	20.05872	301.95784	5.14746	0.2653315	0.26919152	2.3755370	21	—	—
332088 2005 UH_{79}	16.7	X	301.74722	197.37050	193.26462	8.94556	0.1639093	0.23871099	2.5736793	21	8 18.1	19.7
332089 2005 UP_{79}	17.0	X	133.06171	272.23532	85.31925	7.08142	0.1777852	0.26875177	2.3781277	21	1 2.0	20.0
332090 2005 UU_{84}	17.4	X	159.17063	295.17699	199.10931	2.56583	0.0586798	0.23170611	2.6252926	21	7 21.4	21.2
332091 2005 UR_{89}	15.8	X	132.49159	198.90724	341.69561	6.66631	0.1490770	0.17011075	3.2258800	21	8 24.9	20.8
332092 2005 UO_{94}	16.3	X	71.01552	237.55240	242.40761	8.69602	0.2314946	0.21045122	2.7992075	21	4 3.5	19.7
332093 2005 UP_{103}	17.5	X	64.90138	245.68147	76.28028	2.75022	0.2238139	0.25205374	2.4820315	21	12 23.9	21.1
332094 2005 UR_{121}	17.5	X	341.17451	83.34474	226.86826	3.43920	0.0482685	0.23333552	2.6130566	21	7 13.7	20.8
332095 2005 UO_{142}	17.0	X	92.36627	57.19135	48.03844	3.19162	0.1631922	0.21279877	2.7785826	21	4 8.2	20.5
332096 2005 UQ_{149}	16.5	X	53.04265	8.76011	229.34593	9.93987	0.1284460	0.23213593	2.6220510	21	7 31.4	19.9
332097 2005 UW_{155}	16.6	X	269.24592	280.78834	124.55345	6.14726	0.1657899	0.23524066	2.5989293	21	7 22.7	20.2
332098 2005 UH_{158}	16.4	X	73.84708	17.88404	230.52477	8.81584	0.0912188	0.23844560	2.5755887	21	9 7.8	20.0
332099 2005 UE_{174}	15.9	X	118.71102	251.87196	242.20514	16.11845	0.0648159	0.22256875	2.6966625	21	6 2.9	19.7
332100 2005 UE_{182}	16.8	X	15.46455	282.56131	51.57933	5.08039	0.1230875	0.24272186	2.5452481	21	10 20.7	19.6
332101 2005 UZ_{201}	15.6	X	42.44953	219.69464	60.13707	9.89931	0.1984527	0.17675063	3.1445758	21	9 25.7	19.7
332102 2005 UL_{212}	17.2	X	66.36648	228.75539	56.86362	13.87471	0.2080077	0.24496215	2.5297060	21	11 9.0	20.8
332103 2005 UY_{219}	17.3	X	28.75591	75.47220	236.18556	10.24297	0.1514121	0.24408153	2.5357870	21	10 11.1	20.4
332104 2005 UE_{220}	16.9	X	120.69353	39.90428	250.65486	6.26806	0.0863547	0.25516795	2.4617954	21	12 30.4	20.6
332105 2005 UC_{234}	16.8	X	64.13982	148.33131	145.18999	3.27686	0.1394730	0.24535842	2.5269816	21	11 7.4	20.2
332106 2005 US_{253}	17.0	X	13.74492	48.41761	300.76444	3.91204	0.1405042	0.24650687	2.5191268	21	11 8.3	19.8
332107 2005 UC_{272}	16.7	X	281.77541	213.70732	194.04609	4.11445	0.1175897	0.23707179	2.5855293	21	8 19.2	19.9
332108 2005 UK_{297}	16.6	X	45.24045	30.43789	232.20814	11.21548	0.1402023	0.23449216	2.6044569	21	8 23.4	20.0
332109 2005 UZ_{297}	16.7	X	36.97061	196.72109	51.21969	9.25822	0.1324907	0.22951958	2.6419396	21	7 26.1	19.8
332110 2005 UJ_{314}	17.2	X	89.59651	291.32601	85.89683	4.75525	0.2125059	0.26519614	2.3993370	21	—	—
332111 2005 UG_{397}	17.4	X	112.09992	283.56815	72.29746	6.11081	0.2599692	0.26629711	2.3927193	21	—	—
332112 2005 UV_{401}	17.1	X	125.41594	351.71184	214.45442	12.19455	0.2091506	0.23541399	2.5976534	21	9 22.7	21.6
332113 2005 UE_{424}	17.5	X	26.97029	48.03322	256.69105	0.15283	0.0574926	0.24064781	2.5598515	21	9 17.4	20.5
332114 2005 UK_{430}	17.4	X	0.30946	342.41232	2.76168	1.55853	0.1028713	0.24197114	2.5505098	21	10 6.5	20.0
332115 2005 UN_{433}	15.9	X	83.82921	237.07402	234.22224	13.61521	0.1275025	0.21118884	2.7926858	21	3 24.5	19.8
332116 2005 UW_{454}	16.1	X	309.71447	318.27530	59.63959	15.29596	0.1309726	0.23757517	2.5818758	21	8 30.5	19.3
332117 2005 UR_{485}	16.6	X	230.08325	233.08796	198.98867	10.43892	0.1072874	0.23308033	2.6149635	21	7 16.8	20.6
332118 2005 UF_{512}	16.8	X	15.59761	120.55967	288.90197	6.16535	0.1106245	0.25498503	2.4629727	21	—	—
332119 2005 UE_{513}	16.8	X	263.44615	165.01822	232.59462	31.98730	0.1625879	0.23530518	2.5984541	21	6 27.6	21.1
332120 2005 VC_{6}	15.4	X	276.35520	296.32467	83.56510	11.12669	0.0446782	0.16969396	3.2311599	21	7 16.1	19.9
332121 2005 VV_{10}	16.9	X	264.78630	357.12576	97.39889	3.96123	0.0778908	0.24156161	2.5533917	21	10 8.8	20.1
332122 2005 VH_{34}	15.9	X	36.60163	278.79224	80.88635	8.74174	0.1187596	0.19259857	2.9696187	21	12 12.5	19.6
332123 2005 VH_{66}	17.3	X	4.75956	211.14950	89.86035	2.67436	0.0726329	0.23612207	2.5924576	21	8 9.5	20.2
332124 2005 VM_{83}	16.3	X	3.76257	132.24495	218.49548	13.45996	0.0706480	0.24242524	2.5473239	21	10 16.2	19.3
332125 2005 WL_{16}	16.6	X	29.86167	83.13507	248.70542	7.88675	0.2008613	0.24490157	2.5301232	21	11 20.4	19.6
332126 2005 WE_{19}	17.0	X	351.44029	283.52035	97.21596	17.24209	0.2285890	0.24570883	2.5245785	21	11 29.5	19.4
332127 2005 WO_{33}	16.0	X	245.71619	145.62312	258.65419	12.54025	0.1414231	0.22856482	2.6492918	21	6 25.7	19.8
332128 2005 WJ_{37}	16.0	X	303.14653	318.65282	78.25460	11.66116	0.0456806	0.17332764	3.1858415	21	9 17.2	20.5
332129 2005 WG_{54}	17.6	X	304.12060	249.86694	235.36037	22.11898	0.1585735	0.37613172	1.9006818	21	—	—
332130 2005 WH_{54}	17.8	X	350.28898	215.27618	248.70897	18.95286	0.0401260	0.38497834	1.8714513	21	—	—
332131 2005 WD_{87}	16.6	X	313.91908	289.91659	84.35983	3.73574	0.2185047	0.23518492	2.5993399	21	8 11.9	19.1
332132 2005 WT_{92}	16.2	X	29.80267	236.71535	74.69767	9.01699	0.1680205	0.23986110	2.5654458	21	10 21.5	19.2
332133 2005 WS_{101}	16.1	X	105.65236	13.37951	85.99902	8.86091	0.1700002	0.21159786	2.7890858	21	4 21.7	20.1
332134 2005 WU_{107}	16.4	X	223.36989	302.62041	88.84805	7.33612	0.1535327	0.22026356	2.7154446	21	5 18.3	20.7
332135 2005 WD_{108}	16.2	X	201.05873	354.75756	73.80796	12.79335	0.0595344	0.22572957	2.6714297	21	6 13.8	20.1
332136 2005 WT_{110}	17.5	X	285.19923	83.94494	241.71696	6.33553	0.3454833	0.29173668	2.2515177	21	3 27.6	21.1
332137 2005 WU_{135}	17.1	X	265.24994	154.66235	243.08200	0.69765	0.1125881	0.23162687	2.6258914	21	7 15.1	20.4
332138 2005 WN_{144}	16.0	X	329.86642	145.76343	209.93969	11.10058	0.1167124	0.23619090	2.5919539	21	8 22.1	19.1
332139 2005 WY_{157}	15.8	X	321.26137	280.07017	108.09660	27.94807	0.2421185	0.23717345	2.5847904	21	10 2.1	18.8
332140 2005 WM_{159}	16.5	X	155.05969	172.00018	226.45859	3.38335	0.0742735	0.21296628	2.7771254	21	3 15.3	20.6
332141 2005 WQ_{170}	16.3	X	9.74939	355.04926	253.04154	5.17608	0.0838515	0.22078318	2.7111824	21	6 1.4	19.4
332142 2005 WC_{177}	16.8	X	125.72941	33.55305	63.94060	3.82321	0.1116592	0.21272434	2.7792307	21	5 1.7	20.8
332143 2005 XH_{7}	16.2	X	200.44879	18.44495	70.03549	22.72768	0.0321353	0.22871115	2.6481616	21	7 11.1	20.2
332144 2005 XC_{42}	17.3	X	250.14313	150.13562	253.45538	5.33326	0.1228443	0.23201582	2.6229559	21	7 2.4	21.1
332145 2005 XK_{50}	16.4	X	330.02091	80.14197	291.93117	6.00374	0.2442446	0.23930704	2.5694040	21	9 8.6	18.4
332146 2005 XH_{61}	16.8	X	321.58369	145.42331	242.76354	6.93640	0.3046559	0.24061016	2.5601186	21	9 3.1	18.6
332147 2005 XU_{70}	16.4	X	13.63658	306.84543	44.53614	3.26705	0.2575980	0.24450317	2.5328709	21	11 30.8	19.0
332148 2005 XB_{115}	16.7	X	202.71390	145.03327	283.80661	3.76240	0.1681685	0.22374426	2.6872090	21	6 12.7	21.1
332149 2005 YT_{41}	17.0	X	288.32860	326.97974	101.46104	4.19686	0.1495167	0.23561188	2.5961987	21	9 26.2	19.9
332150 2005 YQ_{44}	16.9	X	202.33412	256.60943	130.44045	3.95057	0.0832511	0.21413119	2.7670442	21	4 24.7	21.1
332151 2005 YY_{70}	17.7	X	29.24861	280.19884	114.34505	23.41429	0.0998249	0.37481142	1.9051427	21	—	—
332152 2005 YG_{77}	16.5	X	118.21670	40.83994	76.24069	4.86246	0.0504094	0.21357169	2.7718746	21	5 10.3	20.3
332153 2005 YL_{77}	17.4	X	68.24209	243.35585	99.31547	24.29596	0.0832676	0.37343909	1.9098072	21	—	—
332154 2005 YV_{80}	17.0	X	124.81586	183.70317	108.53339	6.51303	0.1833302	0.24556191	2.5255853	21	—	—
332155 2005 YZ_{108}	16.7	X	34.95076	210.80725	114.41488	11.92858	0.1111932	0.23651384	2.5895940	21	11 8.6	20.1
332156 2005 YL_{109}	16.7	X	263.76495	46.03045	277.02160	5.56993	0.0319432	0.21170876	2.7881116	21	4 14.2	20.7
332157 2005 YM_{135}	16.5	X	299.88287	283.09275	85.69199	10.95936	0.1558309	0.23002120	2.6380973	21	7 18.6	19.6
332158 2005 YC_{152}	16.3	X	29.94078	281.50319	98.84094	11.68816	0.1973855	0.24633352	2.5203085	21	—	—
332159 2005 YB_{170}	16.8	X	22.79328	324.51590	236.84505	3.61682	0.0573568	0.21050607	2.7987211	21	4 18.0	20.2
332160 2005 YB_{172}	15.9	X	78.78036	61.16018	54.24139	15.63735	0.1059678	0.20474337	2.8509930	21	4 1.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332161 2005 YD_{175}	16.1	X	263.81509	298.32790	135.18137	13.71624	0.1245577	0.22922737	2.6441843	21	8 30.9	19.6
332162 2005 YW_{178}	16.3	X	277.39862	10.04134	306.33493	6.90203	0.1444459	0.21089621	2.7952685	21	4 6.4	20.4
332163 2005 YJ_{185}	16.4	X	107.65420	309.61073	129.25772	2.96373	0.0400492	0.20352744	2.8623368	21	3 8.3	20.2
332164 2005 YP_{192}	17.3	X	59.81397	226.92979	116.67458	23.25554	0.0706805	0.36907376	1.9248369	21	—	—
332165 2005 YE_{197}	16.7	X	314.66608	135.02178	167.19833	1.78960	0.0393615	0.21868672	2.7284821	21	5 26.0	20.1
332166 2005 YS_{204}	17.0	X	208.47977	130.92279	117.08443	24.20986	0.0885806	0.37632275	1.9000385	21	—	—
332167 2005 YT_{228}	16.7	X	270.32853	232.38178	119.80372	5.40297	0.1172861	0.21863991	2.7288715	21	5 22.4	20.6
332168 2005 YH_{239}	16.6	X	338.61226	247.83844	87.03192	6.51636	0.1069368	0.23454988	2.6040295	21	8 14.6	19.4
332169 2006 AX_{4}	15.6	X	317.08802	276.99307	102.20489	30.07046	0.2475109	0.23231865	2.6206760	21	8 27.9	18.7
332170 2006 AO_{14}	16.8	X	290.68433	118.02939	295.04050	3.74340	0.2227041	0.23344319	2.6122530	21	8 22.9	19.9
332171 2006 AD_{39}	17.2	X	152.63686	155.43584	305.91919	3.15563	0.0612327	0.21554681	2.7549157	21	5 31.5	21.2
332172 2006 AE_{39}	16.3	X	27.91452	359.67490	300.46161	11.33175	0.1096741	0.22789411	2.6544873	21	9 11.7	19.7
332173 2006 AB_{79}	16.5	X	275.31664	204.96533	128.44104	7.43974	0.0677670	0.21388514	2.7691659	21	5 12.5	20.4
332174 2006 BH_{38}	16.7	X	146.85486	263.07311	156.58422	2.56964	0.0684621	0.20428484	2.8552575	21	4 4.1	20.9
332175 2006 BP_{46}	17.0	X	294.81610	194.25399	348.16935	1.21287	0.1025259	0.18491426	3.0513295	21	—	—
332176 2006 BG_{54}	16.5	X	307.41197	31.61866	133.39163	1.47826	0.2151051	0.18384909	3.0631039	21	—	—
332177 2006 BU_{71}	17.1	X	350.93110	314.09960	70.51146	5.69665	0.2224415	0.23815347	2.5776945	21	11 26.9	19.2
332178 2006 BV_{96}	18.0	X	318.04457	103.80222	318.55533	4.67843	0.0758207	0.29756767	2.2220077	21	11 24.3	20.1
332179 2006 BH_{109}	16.1	X	4.99089	206.52435	129.27179	17.09157	0.1905927	0.22939771	2.6428753	21	10 16.8	19.1
332180 2006 BK_{110}	16.1	X	189.76490	247.56032	121.86143	9.18172	0.0340885	0.20315334	2.8658497	21	3 22.4	20.3
332181 2006 BM_{127}	16.8	X	207.65206	181.91702	175.83990	2.05405	0.0773613	0.20171461	2.8794607	21	3 24.6	21.2
332182 2006 BG_{145}	16.1	X	253.55481	147.28875	302.42247	11.91636	0.1304526	0.22994372	2.6386899	21	8 31.7	20.0
332183 Jaroussky	16.0	X	270.20604	195.74894	146.32460	9.20282	0.2047054	0.21159641	2.7890985	21	4 30.5	20.3
332184 2006 BC_{193}	15.6	X	290.62205	331.99629	146.79509	15.07494	0.1292595	0.17680111	3.1439773	21	11 29.2	19.9
332185 2006 BV_{217}	15.7	X	124.16484	205.24192	306.33619	12.97597	0.0535012	0.21338459	2.7734947	21	7 3.4	19.7
332186 2006 BX_{223}	16.5	X	292.19138	71.52039	309.33297	5.64602	0.0481388	0.22254169	2.6968811	21	8 8.1	19.9
332187 2006 BM_{232}	16.4	X	274.93508	354.75329	71.64079	4.09747	0.1170431	0.23027965	2.6361231	21	9 7.4	19.7
332188 2006 BL_{238}	17.3	X	19.42932	275.18849	85.93545	4.35681	0.2145516	0.23887330	2.5725134	21	12 15.3	20.1
332189 2006 BN_{256}	16.7	X	315.72277	311.64873	14.70596	3.21410	0.0893294	0.21512480	2.7585174	21	6 22.9	20.2
332190 2006 BR_{277}	16.4	X	272.79555	214.74373	131.12033	5.97935	0.1263986	0.21655258	2.7463790	21	5 16.5	20.3
332191 2006 CG_{38}	16.4	X	246.66501	240.28009	161.85572	11.85620	0.1328741	0.21874075	2.7280328	21	6 25.8	20.6
332192 2006 CH_{44}	16.8	X	54.30347	130.52762	131.10474	5.07988	0.0486705	0.22625718	2.6672751	21	8 27.2	20.1
332193 2006 DD_{34}	16.3	X	242.31237	48.10564	168.63715	5.76932	0.1681528	0.17653558	3.1471290	21	—	—
332194 2006 DH_{50}	16.1	X	130.19134	50.25312	91.21704	5.55130	0.0127740	0.21206558	2.7849832	21	6 21.4	19.9
332195 2006 DB_{58}	16.6	X	228.20063	88.69570	344.48425	4.45349	0.0956334	0.21736052	2.7395692	21	7 20.3	20.6
332196 2006 DX_{78}	16.8	X	234.68854	64.04680	331.19714	4.48668	0.0874266	0.21264354	2.7799346	21	6 7.5	20.9
332197 2006 DN_{79}	16.5	X	81.30307	284.92708	174.25146	9.00252	0.1687812	0.19836472	2.9117881	21	3 18.1	20.0
332198 2006 DQ_{101}	17.8	X	334.93758	167.63038	144.19880	6.20322	0.2082421	0.27529292	2.3403062	21	6 18.9	19.6
332199 2006 DV_{114}	15.8	X	293.94373	97.75731	10.57530	13.01636	0.2715453	0.17455613	3.1708764	21	10 24.7	19.5
332200 2006 DL_{115}	16.9	X	224.45284	180.77931	48.98827	1.72427	0.1349474	0.17569837	3.1571186	21	—	—
332201 2006 DZ_{154}	16.2	X	332.82511	296.62994	208.90960	5.59166	0.2307613	0.18453124	3.0555504	21	—	—
332202 2006 DK_{187}	16.6	X	231.60548	216.83508	54.76032	2.58080	0.1022856	0.18393593	3.0621397	21	1 7.6	21.3
332203 2006 DU_{196}	16.3	X	256.10294	189.00842	218.49388	9.04740	0.3577513	0.22732692	2.6589008	21	6 18.3	20.9
332204 2006 EH_{15}	16.4	X	192.38363	217.37931	70.41173	0.92714	0.0941588	0.18034639	3.1026378	21	—	—
332205 2006 EU_{16}	16.5	X	257.98190	117.39435	94.71500	2.27669	0.1496750	0.17839149	3.1252634	21	—	—
332206 2006 EY_{33}	16.4	X	234.91734	263.49753	161.55500	9.37527	0.1452222	0.21759849	2.7375715	21	7 10.4	20.7
332207 2006 EW_{57}	16.4	X	70.50261	258.90872	187.91200	9.42409	0.0304410	0.19172352	2.9786476	21	1 27.5	20.6
332208 2006 EX_{69}	15.8	X	309.52776	98.67340	61.32608	26.95120	0.1964447	0.18241223	3.0791682	21	—	—
332209 2006 FC_{9}	15.7	X	201.95122	113.79300	191.94012	11.76494	0.2469874	0.17773827	3.1329160	21	1 19.1	21.4
332210 2006 FG_{12}	16.2	X	263.42152	65.64367	174.38151	10.18329	0.2738956	0.18345165	3.0675264	21	—	—
332211 2006 FS_{18}	15.8	X	270.99295	21.67643	196.54187	16.63430	0.1191129	0.18025655	3.1036687	21	—	—
332212 2006 FQ_{25}	15.8	X	259.07257	263.63982	16.68622	18.91330	0.1176906	0.18836234	3.0139775	21	2 20.1	20.7
332213 2006 FY_{30}	17.2	X	210.00760	189.72503	141.91463	3.20481	0.2094740	0.25685086	2.4510304	21	2 16.8	21.2
332214 2006 FQ_{50}	15.4	X	202.14127	163.85948	144.85746	24.57729	0.1647013	0.17651876	3.1473289	21	1 23.8	20.8
332215 2006 GN_{3}	16.0	X	305.30958	80.86074	77.26929	17.56534	0.1184554	0.17773671	3.1329343	21	—	—
332216 2006 GC_{22}	16.1	X	286.97804	359.32169	190.96937	11.37513	0.0561997	0.17768856	3.1335003	21	—	—
332217 2006 GV_{36}	15.9	X	253.02961	49.26952	184.88063	10.35381	0.1033238	0.17991177	3.1076326	21	—	—
332218 2006 GC_{41}	15.5	X	257.27935	86.87332	158.60692	16.85862	0.2215595	0.18097657	3.0954311	21	—	—
332219 2006 GJ_{44}	15.0	X	208.54153	83.15517	207.65647	15.93919	0.1930900	0.17649065	3.1476632	21	1 6.7	20.6
332220 2006 GP_{48}	15.5	X	353.10675	60.59923	32.61260	15.86117	0.0376524	0.17186147	3.2039350	21	—	—
332221 2006 GG_{50}	15.5	X	252.44586	328.23009	257.29710	10.87116	0.1155249	0.17821095	3.1273738	21	—	—
332222 2006 GA_{53}	15.2	X	198.78082	168.85070	109.00210	18.21452	0.1658816	0.17556201	3.1587532	21	—	—
332223 2006 GU_{54}	16.9	X	271.03637	11.78645	157.43889	1.77577	0.1508507	0.17266010	3.1940476	21	12 25.9	21.1
332224 2006 GZ_{54}	17.8	X	112.23843	37.84675	197.47072	3.28020	0.2286058	0.21670755	2.7450695	21	10 19.4	22.4
332225 2006 HW_{32}	16.0	X	204.38109	115.88766	197.23306	21.53396	0.1465207	0.18368393	3.0649398	21	1 25.6	21.4
332226 2006 HF_{41}	15.9	X	219.43429	103.82205	184.32597	14.49710	0.1754329	0.17615223	3.1516934	21	1 13.1	21.4
332227 2006 HL_{42}	15.3	X	258.60620	73.55020	133.01892	27.01598	0.2051081	0.17547585	3.1597871	21	—	—
332228 2006 HD_{46}	15.5	X	156.99667	289.60634	29.99806	12.26025	0.1317291	0.17685331	3.1433585	21	—	—
332229 2006 HA_{54}	16.0	X	270.25063	110.76786	58.92275	13.73117	0.2282437	0.17439535	3.1728250	21	12 13.6	20.2
332230 2006 HN_{55}	15.7	X	255.90249	42.46364	193.88271	12.39864	0.1711505	0.17773904	3.1329069	21	—	—
332231 2006 HK_{76}	15.4	X	88.98868	304.80827	77.10977	34.10815	0.1849802	0.17065926	3.2189641	21	—	—
332232 2006 HY_{83}	15.7	X	257.46494	351.50969	207.59653	12.58190	0.0770926	0.17083659	3.2167363	21	—	—
332233 2006 HJ_{96}	16.6	X	15.10906	76.01861	47.62423	17.06896	0.2720388	0.18452456	3.0556242	21	—	—
332234 2006 HB_{116}	17.6	X	180.92472	79.40288	217.91835	1.93318	0.1620047	0.24107573	2.5568214	21	—	—
332235 2006 HM_{153}	15.9	X	71.41383	207.32003	188.71872	9.88090	0.0852006	0.17357261	3.1828432	21	—	—
332236 2006 JW_{21}	15.7	X	140.31666	239.47629	102.95808	10.01810	0.0676191	0.17383782	3.1796053	21	—	—
332237 2006 JV_{38}	16.1	X	113.71624	170.97423	205.28732	2.32589	0.1011645	0.17800839	3.1297458	21	1 10.3	20.5
332238 2006 JH_{41}	16.6	X	65.14281	324.60761	154.55913	10.88498	0.1014556	0.25288553	2.4765859	21	2 28.3	19.1
332239 2006 JD_{46}	15.8	X	242.98936	80.32157	152.59784	16.46037	0.1947267	0.17358751	3.1826611	21	—	—
332240 2006 KF_{3}	15.6	X	234.55352	46.93187	207.56379	16.24140	0.1596568	0.17832024	3.1260959	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332241 2006 KB_{12}	15.4	X	340.81347	42.57801	94.93193	18.00480	0.0333564	0.17717755	3.1395224	21	—	—
332242 2006 KL_{13}	15.6	X	28.13881	328.38005	137.40644	11.49363	0.0130029	0.17904665	3.1176348	21	1 1.2	20.0
332243 2006 KT_{27}	16.3	X	240.24850	230.66722	53.06357	2.50151	0.1356859	0.18063301	3.0993548	21	1 29.1	21.2
332244 2006 KC_{31}	16.1	X	132.47903	302.44196	35.10450	1.68264	0.1551149	0.16946649	3.2340508	21	—	—
332245 2006 KH_{31}	16.0	X	45.15820	168.82217	250.30006	3.13106	0.0575547	0.17205961	3.2014748	21	—	—
332246 2006 KM_{46}	15.1	X	98.78797	189.95472	231.24648	22.19521	0.0814983	0.18143695	3.0901926	21	2 3.4	19.9
332247 2006 KG_{49}	15.5	X	133.76616	164.54451	230.78394	26.33248	0.0966457	0.18231506	3.0802622	21	2 13.8	20.6
332248 2006 KE_{54}	15.8	X	48.09878	342.98617	80.53502	10.03243	0.1086914	0.17249731	3.1960568	21	—	—
332249 2006 KM_{85}	15.3	X	246.37288	183.96698	102.48560	20.01355	0.0709607	0.18167897	3.0874478	21	2 13.8	20.1
332250 2006 KH_{90}	15.3	X	325.74189	46.40228	102.56051	17.42905	0.0636823	0.17756004	3.1350122	21	—	—
332251 2006 KZ_{101}	16.0	X	118.89142	245.53786	162.41655	9.93531	0.0377486	0.18122870	3.0925595	21	2 13.5	20.5
332252 2006 KP_{103}	15.4	X	274.62963	345.54985	251.28894	19.76613	0.1727455	0.17913120	3.1166538	21	—	—
332253 2006 KR_{123}	17.4	X	253.03582	57.96106	237.99209	0.93309	0.1706270	0.24293692	2.5437458	21	2 12.5	21.5
332254 2006 MZ_{2}	15.2	X	206.05163	192.13231	99.08153	16.88605	0.1608611	0.17388866	3.1789854	21	1 7.9	20.4
332255 2006 MH_{6}	14.6	X	247.85878	345.57542	298.98032	29.28759	0.2133181	0.17399276	3.1777174	21	1 28.6	20.0
332256 2006 MU_{11}	15.3	X	136.24611	253.63622	80.62305	16.88235	0.0584639	0.17217273	3.2000724	21	—	—
332257 2006 QO_{27}	18.0	X	255.97098	41.31897	269.93254	1.92087	0.1666557	0.30841123	2.1696146	21	2 25.7	21.0
332258 2006 QJ_{34}	18.6	X	241.11143	39.53696	290.73602	0.64805	0.1305278	0.30861563	2.1686565	21	3 10.3	21.6
332259 2006 QV_{76}	17.9	X	319.67856	45.60044	144.49705	5.97849	0.1041671	0.29828167	2.2184604	21	—	—
332260 2006 QO_{100}	16.9	X	136.89381	177.74418	209.77923	6.25283	0.2222255	0.29321131	2.2439624	21	2 13.9	20.1
332261 2006 RA_{36}	17.3	X	163.16212	261.31204	120.54201	7.38953	0.1444780	0.29991098	2.2104183	21	3 1.9	20.3
332262 2006 RN_{37}	15.3	X	330.02078	206.67825	136.66357	3.64773	0.2275114	0.12473916	3.9670484	21	7 22.2	19.9
332263 2006 RT_{62}	17.7	X	182.70344	300.51952	41.01508	3.03311	0.1968979	0.29904697	2.2146739	21	2 1.0	21.0
332264 2006 RS_{77}	17.7	X	140.41291	227.48988	144.84700	2.26777	0.1863623	0.29369679	2.2414889	21	1 26.3	20.3
332265 2006 RZ_{78}	18.3	X	250.18855	220.53938	98.49458	0.92851	0.1826197	0.30741436	2.1743024	21	3 2.8	21.6
332266 2006 RW_{95}	17.4	X	246.34171	42.78903	200.84990	6.72851	0.0727076	0.28872058	2.2671707	21	—	—
332267 2006 RO_{120}	17.8	X	213.77593	235.92020	53.07263	1.54584	0.0337748	0.29137294	2.2533911	21	—	—
332268 2006 SO_{21}	17.4	X	79.79091	195.14705	219.29616	6.41173	0.1361179	0.28934024	2.2639326	21	—	—
332269 2006 SD_{24}	17.0	X	9.23555	1.35700	64.14193	9.70689	0.2267183	0.27246132	2.3564930	21	—	—
332270 2006 SP_{31}	18.1	X	187.72584	162.09550	204.74457	3.30137	0.1935202	0.30186372	2.2008753	21	3 6.8	21.6
332271 2006 SQ_{40}	17.9	X	149.99731	229.44992	153.27658	7.29745	0.1396657	0.29726907	2.2234954	21	2 13.4	20.8
332272 2006 SQ_{145}	17.8	X	242.77978	52.47095	184.64772	4.23042	0.0993908	0.28801753	2.2708587	21	—	—
332273 2006 SN_{149}	17.3	X	352.63630	300.70850	216.62306	5.01007	0.1532928	0.28911248	2.2651214	21	—	—
332274 2006 SG_{150}	17.7	X	271.67365	151.77711	13.99869	3.70619	0.0225796	0.27783062	2.3260336	21	—	—
332275 2006 SZ_{181}	14.7	X	330.42080	220.64519	136.31921	10.38912	0.2067874	0.12478963	3.9659788	21	8 12.2	19.3
332276 2006 SD_{200}	18.3	X	261.67967	98.47420	202.22608	4.16314	0.2102841	0.30539991	2.1838532	21	2 14.7	21.9
332277 2006 SS_{213}	17.5	X	159.09874	154.49364	199.76088	4.00394	0.1896551	0.29470571	2.2363701	21	1 22.9	20.7
332278 2006 SW_{223}	16.9	X	18.68082	317.00759	35.07036	10.31447	0.0929641	0.19761331	2.9191646	21	11 4.9	20.5
332279 2006 SA_{300}	18.0	X	224.74126	266.21595	52.15054	6.21863	0.2020728	0.30290192	2.1958434	21	2 9.8	21.6
332280 2006 SF_{317}	18.2	X	62.35656	243.79958	60.91820	2.78156	0.1819817	0.26881460	2.3777571	21	11 27.7	21.4
332281 2006 SL_{329}	17.8	X	276.03175	136.71901	168.11961	2.87173	0.1240663	0.30724279	2.1751118	21	3 15.9	20.7
332282 2006 SX_{342}	16.8	X	132.59346	291.38283	342.05617	5.27789	0.0295928	0.20524004	2.8463916	21	12 11.3	21.0
332283 2006 SX_{355}	17.4	X	179.49563	194.03421	154.36902	4.62931	0.1660385	0.29600260	2.2298331	21	2 3.2	20.7
332284 2006 SD_{394}	17.6	X	160.49405	247.51666	60.63027	7.21217	0.1584063	0.28351271	2.2948503	21	—	—
332285 2006 SL_{411}	17.6	X	185.71911	234.91164	111.44927	12.11220	0.2557210	0.29598213	2.2299359	21	2 14.5	21.4
332286 2006 TT	18.0	X	173.86997	79.77966	242.33371	3.74531	0.1291887	0.29230954	2.2485751	21	—	—
332287 2006 TR_{4}	18.1	X	234.04739	246.92030	61.18715	5.73471	0.1852142	0.30169753	2.2016835	21	2 4.7	21.7
332288 2006 TE_{17}	14.5	X	329.37927	314.83767	42.52456	3.46529	0.2660139	0.12387920	3.9853866	21	8 5.1	18.8
332289 2006 TJ_{24}	17.4	X	329.46636	186.38301	237.80692	2.83739	0.0959694	0.26790083	2.3831608	21	12 11.1	19.9
332290 2006 TK_{33}	16.6	X	243.98757	142.51077	35.21814	6.72320	0.1003290	0.27241713	2.3567478	21	12 31.7	19.5
332291 2006 TS_{84}	17.1	X	207.50102	215.31699	9.25540	7.72271	0.0647990	0.27465841	2.3439092	21	—	—
332292 2006 TE_{110}	17.5	X	51.94006	148.29594	239.78559	5.09714	0.0710698	0.27645758	2.3337288	21	—	—
332293 2006 TF_{130}	17.3	X	170.01661	230.59224	116.16539	7.71305	0.2149718	0.29387074	2.2406042	21	1 28.3	20.5
332294 2006 UG_{15}	15.3	X	336.11963	148.82333	207.20776	9.11559	0.2767381	0.12314654	4.0011783	21	8 11.9	19.7
332295 2006 UG_{24}	17.1	X	39.69912	167.64952	216.94243	7.52616	0.2185355	0.27485290	2.3428033	21	—	—
332296 2006 UK_{92}	15.2	X	4.82375	250.68032	66.47729	3.81039	0.2107768	0.12418260	3.9788927	21	8 30.6	19.6
332297 2006 UK_{95}	17.5	X	27.74911	21.40409	68.90256	4.89863	0.1980834	0.21365968	2.7711136	21	—	—
332298 2006 UP_{165}	17.7	X	245.03939	43.28774	183.79904	6.79108	0.0624170	0.28350362	2.2948993	21	—	—
332299 2006 UG_{186}	17.2	X	115.06439	110.72992	255.53152	6.70547	0.1192027	0.28667266	2.2779553	21	—	—
332300 2006 UO_{217}	15.2	X	128.60915	248.04816	245.82038	28.16895	0.3251055	0.22905799	2.6454877	21	7 1.8	20.2
332301 2006 UW_{242}	18.1	X	195.93549	112.20157	214.79875	6.14287	0.1538750	0.29588731	2.2304123	21	1 21.1	21.5
332302 2006 UR_{291}	16.6	X	326.22491	129.57682	53.19968	4.01350	0.0577653	0.21953806	2.7214237	21	1 3.0	20.3
332303 2006 UN_{359}	18.1	X	272.10998	30.63265	288.57757	2.29732	0.1024601	0.30591329	2.1814092	21	4 1.3	20.9
332304 2006 UR_{360}	17.5	X	109.48347	286.24507	80.66362	7.60614	0.1564780	0.28445452	2.2897821	21	—	—
332305 2006 VN_{21}	17.4	X	237.41369	350.18286	220.92023	6.74676	0.1346604	0.27830169	2.3234080	21	—	—
332306 2006 VH_{65}	17.8	X	177.83122	253.88167	69.24907	2.62551	0.2306477	0.28897691	2.2658298	21	1 7.9	21.2
332307 2006 VH_{67}	17.7	X	213.30566	121.78296	240.51988	5.63090	0.1381717	0.30044185	2.2078137	21	3 22.6	21.1
332308 2006 VT_{75}	17.5	X	41.80275	33.04373	70.56865	6.58535	0.1313803	0.28185436	2.3038430	21	—	—
332309 2006 VB_{101}	17.6	X	178.68475	206.79799	190.17922	6.66835	0.1263711	0.30080535	2.2060347	21	4 4.2	20.7
332310 2006 VL_{123}	16.9	X	117.36178	302.10805	45.58125	7.28775	0.1608838	0.28049620	2.3112738	21	—	—
332311 2006 VZ_{153}	17.4	X	309.63417	331.53827	111.13549	2.78316	0.1255167	0.26521151	2.3992443	21	12 1.4	19.7
332312 2006 WM_{2}	17.1	X	191.31403	82.49670	240.31725	6.40757	0.1791042	0.29154566	2.2525010	21	1 14.0	20.6
332313 2006 WV_{5}	17.2	X	253.43261	328.02995	194.38972	4.95711	0.0737510	0.26738385	2.3862316	21	12 26.5	20.0
332314 2006 WT_{6}	16.9	X	329.62983	359.90439	96.37480	6.12049	0.0512005	0.27021096	2.3695584	21	—	—
332315 2006 WS_{13}	18.0	X	213.88179	151.73543	216.46856	4.17330	0.1758240	0.30157272	2.2022909	21	4 1.1	21.4
332316 2006 WE_{15}	15.4	X	119.72295	240.48528	301.45842	29.18510	0.3132507	0.23200323	2.6230507	21	8 17.5	20.3
332317 2006 WH_{40}	17.7	X	181.59913	272.21047	110.78819	5.82303	0.1124568	0.29752172	2.2222365	21	3 21.9	20.8
332318 2006 WU_{62}	17.4	X	229.46807	227.66666	319.85084	3.89658	0.1844914	0.26524971	2.3990139	21	12 10.0	20.7
332319 2006 WO_{64}	17.2	X	130.42755	317.47511	24.79345	7.51250	0.1313837	0.28204882	2.3027839	21	—	—
332320 2006 WA_{87}	16.8	X	103.87016	309.41563	71.95374	12.08452	0.1868820	0.28208406	2.3025921	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332321 2006 WZ_{92}	17.2	X	188.30459	142.78682	74.19013	7.31892	0.0921877	0.26596720	2.3946975	21	12 12.3	20.3
332322 2006 WS_{120}	15.8	X	16.74184	268.05372	63.41078	12.19956	0.1491851	0.19200534	2.9757322	21	10 17.7	19.4
332323 2006 XF_{27}	16.9	X	286.25568	89.86002	345.10112	5.86958	0.1144905	0.25320363	2.4745112	21	10 5.7	19.6
332324 Bobmcdonald	17.4	X	259.64850	348.47161	151.46734	12.37525	0.1741178	0.26510560	2.3998833	21	11 22.5	20.4
332325 2006 XA_{69}	17.8	X	104.15507	299.28293	114.77977	0.72403	0.1265158	0.28321550	2.2964555	21	1 26.5	19.9
332326 Aresi	16.8	X	307.33771	33.15938	109.55529	10.60700	0.0593056	0.26718898	2.3873917	21	—	—
332327 2006 YD_{24}	18.0	X	221.42501	265.48356	84.09512	4.78515	0.2272126	0.29777574	2.2209725	21	3 18.2	21.7
332328 2006 YK_{46}	16.8	X	127.81928	70.87294	131.35755	13.24337	0.0726187	0.24216998	2.5491135	21	9 18.7	20.6
332329 2006 YV_{53}	16.4	X	77.78956	118.15516	124.32507	8.49212	0.1846976	0.23729506	2.5839072	21	9 25.8	20.1
332330 2007 AC_{21}	16.7	X	4.98383	268.13141	135.57562	14.89378	0.0721858	0.25821530	2.4423884	21	—	—
332331 2007 BL_{1}	17.0	X	336.31140	294.87358	106.11753	7.13839	0.2084284	0.25689560	2.4507458	21	11 24.7	18.8
332332 2007 BM_{37}	17.1	X	234.35082	252.09755	299.81635	2.33389	0.0401415	0.26148945	2.4219580	21	—	—
332333 2007 BE_{39}	16.9	X	56.78557	3.94380	198.65562	1.80030	0.1348525	0.22750975	2.6574762	21	6 21.4	20.0
332334 2007 BY_{41}	17.3	X	118.09585	165.98593	351.56048	1.26588	0.1563866	0.23040695	2.6351519	21	7 14.5	21.3
332335 2007 BP_{46}	17.4	X	185.64223	334.95923	128.56947	10.48618	0.0763713	0.23372154	2.6101786	21	7 12.0	21.3
332336 2007 BK_{56}	16.9	X	240.61795	1.48853	90.48117	4.41605	0.0662672	0.24305548	2.5429185	21	9 4.7	20.3
332337 2007 BS_{57}	16.9	X	311.31214	227.06755	185.09058	3.05806	0.2097466	0.25404139	2.4690681	21	10 8.4	18.8
332338 2007 BU_{68}	16.8	X	92.90038	44.74361	149.25129	11.37850	0.1529872	0.22949160	2.6421544	21	8 1.4	20.6
332339 2007 CB_{20}	17.4	X	272.87283	48.62481	84.67080	3.64999	0.1532456	0.25769514	2.4456740	21	12 2.6	19.8
332340 2007 CM_{36}	16.8	X	158.72990	18.63126	134.97960	10.57610	0.1396424	0.23745094	2.5827763	21	8 19.1	20.8
332341 2007 CG_{39}	17.6	X	99.43701	253.98102	159.20156	2.97782	0.1917447	0.28061829	2.3106033	21	1 28.5	19.8
332342 2007 CS_{62}	16.4	X	81.61827	313.77449	232.01049	7.57550	0.1895366	0.22742282	2.6581533	21	7 11.9	20.1
332343 2007 DE_{3}	16.8	X	82.74566	103.25316	64.18708	6.26401	0.2007013	0.22365214	2.6879468	21	6 21.5	20.4
332344 2007 DE_{6}	15.9	X	42.19297	165.26516	159.22249	16.88012	0.1855009	0.24345897	2.5401081	21	11 28.8	19.6
332345 2007 DE_{13}	16.8	X	126.27330	329.78028	164.31547	5.77880	0.2152428	0.22773772	2.6557024	21	6 27.6	21.1
332346 2007 DQ_{34}	16.3	X	148.43509	347.40340	162.43880	15.15840	0.0381266	0.23086360	2.6316759	21	7 27.1	20.1
332347 2007 DV_{39}	17.3	X	117.13826	98.16933	99.88244	4.31584	0.0253191	0.24107841	2.5568024	21	8 23.8	20.8
332348 2007 DQ_{47}	17.0	X	50.53526	232.09302	338.14958	3.05724	0.1511225	0.22245279	2.6975995	21	6 24.8	20.2
332349 2007 DK_{76}	16.9	X	325.63083	282.49066	49.95828	3.92412	0.0770539	0.22822151	2.6519480	21	7 20.0	20.0
332350 2007 DR_{90}	16.8	X	11.88446	159.84235	140.40826	5.12217	0.1280802	0.23297419	2.6157577	21	8 24.2	19.3
332351 2007 DY_{109}	16.7	X	198.10310	248.38831	183.49384	14.93337	0.0041806	0.22454416	2.6808234	21	6 17.4	20.6
332352 2007 DY_{112}	16.4	X	27.16930	120.28117	152.68602	12.13868	0.0486621	0.23168032	2.6254875	21	8 1.2	19.8
332353 2007 EU_{13}	16.2	X	39.17680	211.51230	13.33950	8.69750	0.0508948	0.22499765	2.6772200	21	6 12.8	19.7
332354 2007 EN_{14}	16.8	X	150.27194	346.85107	147.61554	13.89741	0.1220844	0.23157040	2.6263182	21	7 14.7	21.0
332355 2007 EQ_{18}	16.4	X	145.64832	25.69422	90.21324	6.15269	0.2038571	0.22785607	2.6547827	21	6 21.7	20.8
332356 2007 EL_{19}	17.3	X	103.39634	78.97688	118.56556	1.90945	0.0894330	0.23434701	2.6055322	21	8 11.8	20.9
332357 2007 EO_{24}	16.8	X	301.70536	197.24632	157.49531	6.97235	0.0527181	0.22727060	2.6593401	21	7 15.6	20.2
332358 2007 EH_{29}	16.2	X	43.17114	282.72534	347.33937	8.17406	0.1928090	0.22740606	2.6582839	21	9 12.9	19.4
332359 2007 ES_{29}	16.9	X	349.37093	279.52175	35.69143	5.01308	0.1036878	0.22975994	2.6400967	21	8 4.8	19.8
332360 2007 EA_{45}	17.7	X	60.54757	322.46321	348.14190	20.37132	0.0651618	0.38109919	1.8841293	21	12 5.2	20.3
332361 2007 EL_{60}	16.6	X	354.47126	184.12542	162.92863	15.18164	0.1049828	0.23944918	2.5683871	21	10 1.6	19.4
332362 2007 EG_{68}	16.7	X	335.77462	167.63675	155.88905	3.68630	0.0618728	0.22904043	2.6456229	21	7 23.4	20.0
332363 2007 EC_{91}	16.2	X	135.32044	345.15060	151.60313	12.54892	0.1261230	0.22712612	2.6604678	21	7 2.6	20.4
332364 2007 EF_{98}	16.2	X	149.45008	344.82871	170.50866	17.94203	0.0944105	0.23194507	2.6234892	21	8 7.1	20.3
332365 2007 EX_{104}	16.9	X	351.07696	227.50761	73.30460	0.84725	0.1623907	0.22557289	2.6726666	21	7 13.5	19.5
332366 2007 EL_{132}	16.9	X	105.81084	341.21834	177.76056	12.00891	0.1259856	0.22358720	2.6884673	21	6 27.9	21.0
332367 2007 EP_{133}	16.3	X	5.29495	94.78522	175.48957	9.31477	0.2268661	0.21998067	2.7177721	21	6 27.8	18.7
332368 2007 ED_{153}	16.4	X	336.78315	157.83541	153.67655	10.86618	0.0370209	0.22749647	2.6575796	21	7 9.4	19.9
332369 2007 ER_{161}	17.4	X	324.13962	209.32181	187.08833	3.41241	0.1028129	0.24997413	2.4957783	21	10 18.6	19.9
332370 2007 EO_{167}	15.8	X	74.38495	260.12716	308.75535	10.47476	0.2118770	0.22511347	2.6763016	21	8 7.1	19.3
332371 2007 EG_{172}	16.1	X	206.07851	247.52861	188.48764	21.72227	0.0592632	0.22653172	2.6651196	21	6 28.6	20.5
332372 2007 EQ_{181}	16.6	X	168.23300	221.50297	213.81783	8.36222	0.1227848	0.21690793	2.7433787	21	5 19.7	20.8
332373 2007 EF_{183}	15.8	X	184.45234	182.24436	115.63076	3.30397	0.0791812	0.19658715	2.9293143	21	—	—
332374 2007 EL_{193}	16.0	X	85.64271	282.13716	285.62378	10.06556	0.2184652	0.22639239	2.6662129	21	8 16.9	20.0
332375 2007 ER_{200}	16.3	X	127.70127	346.27656	136.48489	11.57488	0.0752983	0.22237472	2.6982308	21	6 2.9	20.3
332376 2007 EY_{200}	15.6	X	29.77068	201.49007	141.21938	8.80690	0.2096833	0.24405329	2.5359826	21	12 7.8	18.8
332377 2007 EG_{217}	17.0	X	350.56958	91.64954	185.74625	5.65324	0.0428367	0.22297461	2.6933891	21	6 13.2	20.5
332378 2007 FC_{11}	16.5	X	340.13154	341.57862	228.06317	8.47708	0.0696827	0.20437785	2.8543913	21	2 22.2	20.4
332379 2007 FJ_{18}	17.0	X	40.13687	114.65657	152.25554	14.51302	0.2651955	0.22622659	2.6675155	21	9 18.4	20.0
332380 2007 FA_{25}	16.9	X	127.99883	296.29136	182.42418	12.45736	0.2208204	0.22279608	2.6948278	21	6 11.2	21.4
332381 2007 FF_{40}	17.4	X	161.88828	62.40655	207.65297	0.68092	0.1661788	0.25572826	2.4581982	21	—	—
332382 2007 FC_{43}	16.0	X	127.75322	198.53507	357.49092	18.01823	0.1840262	0.22964578	2.6409717	21	9 14.7	20.2
332383 2007 FU_{44}	16.9	X	11.47116	171.59051	200.38476	4.07839	0.0908493	0.24195369	2.5506325	21	11 30.3	20.0
332384 2007 FT_{46}	16.3	X	332.16710	67.22190	205.00481	6.80686	0.1766713	0.21178542	2.7874388	21	4 23.2	19.5
332385 2007 GO_{24}	16.2	X	308.76583	167.68750	73.96577	9.47023	0.1579600	0.19998572	2.8960322	21	2 16.3	20.3
332386 2007 GF_{28}	16.4	X	100.14429	35.21939	155.37724	14.17678	0.1852683	0.22602208	2.6691244	21	8 8.9	20.4
332387 2007 GJ_{45}	16.9	X	130.42051	358.37587	188.38240	4.38235	0.0605166	0.22705195	2.6610471	21	8 25.2	20.6
332388 2007 GL_{50}	16.2	X	48.03729	315.58377	223.35232	12.08300	0.1206926	0.21291527	2.7775689	21	5 2.9	19.4
332389 2007 GW_{52}	15.6	X	188.17804	227.49942	210.68381	16.88545	0.0339534	0.21696225	2.7429208	21	6 11.8	19.7
332390 2007 HJ_{15}	17.0	X	348.03458	138.16525	105.01061	4.58977	0.0643877	0.21233389	2.7826367	21	4 24.2	20.5
332391 2007 HK_{22}	16.9	X	340.80365	191.89263	141.90936	2.61427	0.0866634	0.22418018	2.6837243	21	8 14.6	19.7
332392 2007 HV_{40}	16.7	X	197.51081	351.02371	62.37630	5.85921	0.1069742	0.21560534	2.7544171	21	5 20.9	20.9
332393 2007 HP_{46}	15.8	X	354.61825	287.29279	56.89917	11.02214	0.2994362	0.22580386	2.6708437	21	10 14.0	17.7
332394 2007 HB_{48}	16.6	X	30.55781	82.77849	183.36632	5.46484	0.0881570	0.22153878	2.7050141	21	7 31.3	19.9
332395 2007 HR_{53}	16.0	X	314.33067	253.13079	80.69389	8.30718	0.1349682	0.21817655	2.7327339	21	6 24.6	19.3
332396 2007 HD_{58}	16.2	X	40.65252	1.64171	179.85978	13.25868	0.1324791	0.21226840	2.7832090	21	4 27.8	19.4
332397 2007 JC_{12}	15.6	X	273.71192	0.79562	132.45421	13.94855	0.0398346	0.17287461	3.1914049	21	12 3.8	20.2
332398 2007 JL_{15}	16.4	X	207.62061	260.82733	48.63100	11.09672	0.1191303	0.19279991	2.9675509	21	1 30.4	21.3
332399 2007 JV_{19}	16.3	X	319.75589	147.69308	107.70632	13.44836	0.1885257	0.20511568	2.8475420	21	3 16.9	20.2
332400 2007 JE_{33}	16.1	X	336.31337	210.77196	90.19865	10.56466	0.2263081	0.21309194	2.7760335	21	6 5.5	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332401 2007 JC_{38}	17.3	X	358.65838	150.56194	169.04218	2.97043	0.1059000	0.22478384	2.6789174	21	8 25.2	20.1
332402 2007 LX_{12}	16.6	X	301.81922	102.78583	160.19697	11.87302	0.0681930	0.20076785	2.8885060	21	3 16.5	20.6
332403 2007 LY_{15}	16.0	X	311.34046	247.94454	119.79421	14.11383	0.2127734	0.22033352	2.7148698	21	7 26.6	18.7
332404 2007 LH_{23}	16.3	X	224.89143	286.48190	145.51543	13.10376	0.1552964	0.21909477	2.7250933	21	7 8.5	20.7
332405 2007 LM_{26}	16.1	X	230.07834	72.41941	210.01620	6.08142	0.0955184	0.18332609	3.0689268	21	1 17.3	20.9
332406 2007 LQ_{34}	16.9	X	274.53022	116.43238	181.81759	14.81074	0.1453461	0.20236283	2.8733083	21	3 15.6	21.3
332407 2007 MV_{6}	16.3	X	357.17706	207.46890	84.68206	14.26801	0.1484713	0.21759462	2.7376039	21	7 13.6	19.2
332408 2007 MM_{13}	17.8	X	197.89018	294.43163	242.60874	38.19721	0.5685330	0.59435086	1.4010086	21	10 17.8	20.4
332409 2007 NH_{2}	15.2	X	172.34838	201.15308	155.33405	19.48020	0.2643137	0.18210654	3.0826131	21	2 26.3	20.5
332410 2007 OH_{1}	16.2	X	228.47936	81.39957	174.49448	14.66634	0.0819014	0.17675141	3.1445665	21	—	—
332411 2007 PJ_{6}	15.1	X	182.40345	198.37402	143.07593	28.60067	0.1409442	0.17810958	3.1285603	21	2 12.8	20.2
332412 2007 PS_{23}	15.6	X	218.64002	164.91245	161.66083	19.53270	0.2045489	0.18512862	3.0489736	21	2 24.7	20.9
332413 2007 PF_{43}	15.8	X	193.01234	192.57549	183.16173	4.00576	0.3212180	0.18278567	3.0749729	21	4 3.8	21.5
332414 2007 QW_{9}	17.7	X	123.45048	226.65772	159.03142	19.77428	0.0851635	0.38732218	1.8638937	21	—	—
332415 2007 RO_{43}	15.9	X	152.75946	163.14421	194.63480	15.42152	0.1757130	0.17330029	3.1861767	21	2 4.4	21.3
332416 2007 RO_{109}	16.9	X	176.96473	277.14359	352.81676	3.90485	0.1690041	0.23479426	2.6022224	21	—	—
332417 2007 RG_{122}	15.6	X	173.44205	211.94491	166.68025	11.23806	0.1956393	0.17995670	3.1071152	21	3 22.8	20.8
332418 2007 RX_{182}	15.6	X	206.71986	87.21097	215.57795	14.96290	0.2377508	0.17501976	3.1652741	21	1 18.0	21.4
332419 2007 RY_{188}	15.1	X	225.61654	31.32026	282.59956	10.76613	0.1374283	0.18205878	3.0831522	21	2 14.8	20.3
332420 2007 RP_{269}	15.1	X	146.99125	158.42693	241.81960	9.57094	0.2272313	0.17628226	3.1501433	21	3 23.6	20.5
332421 2007 RP_{272}	16.0	X	169.08228	133.73647	235.84940	3.48938	0.1616774	0.17704567	3.1410812	21	3 4.8	21.2
332422 2007 RN_{286}	16.0	X	217.78258	86.29312	262.51844	7.50023	0.2310818	0.18562920	3.0434899	21	3 17.6	21.4
332423 2007 RE_{287}	15.9	X	187.73332	275.60364	101.57506	3.96666	0.2686729	0.18259152	3.0771522	21	4 3.2	21.4
332424 2007 RN_{310}	15.2	X	152.70481	241.43690	144.14513	20.55985	0.1828163	0.17768787	3.1335084	21	3 14.7	20.4
332425 2007 RY_{311}	15.5	X	198.25257	224.25761	111.57732	11.18801	0.1053048	0.18002476	3.1063322	21	2 22.2	20.4
332426 2007 SQ_{23}	16.9	X	326.76358	188.78735	210.25422	4.92326	0.0485900	0.21251034	2.7810962	21	10 21.1	20.5
332427 2007 TV_{23}	17.5	X	301.41255	309.78759	201.11145	21.08116	0.0547910	0.37286409	1.9117702	21	—	—
332428 2007 TJ_{74}	14.9	X	210.38066	107.29093	238.61800	17.96655	0.1696842	0.17660981	3.1462471	21	3 7.2	20.4
332429 2007 TW_{139}	15.4	X	190.79497	134.69902	264.07963	11.32082	0.1571620	0.18250928	3.0780765	21	4 25.1	20.7
332430 2007 TL_{180}	15.7	X	214.51876	62.91419	259.54424	8.05444	0.1711120	0.17853225	3.1236205	21	2 15.2	21.0
332431 2007 TZ_{196}	16.0	X	224.63941	88.77943	170.49498	11.24915	0.0569483	0.17057435	3.2200323	21	—	—
332432 2007 TL_{400}	15.5	X	163.75161	118.34872	199.86276	18.42328	0.1276090	0.16892119	3.2410070	21	—	—
332433 2007 TV_{417}	15.5	X	179.86560	266.93547	120.72292	26.15587	0.3014183	0.18185651	3.0854379	21	4 19.1	21.6
332434 2007 UZ_{4}	15.3	X	202.78829	97.50657	239.98774	16.64658	0.2575841	0.17852976	3.1236495	21	2 19.2	21.1
332435 2007 VE_{10}	15.7	X	165.43257	134.37758	236.26221	14.04189	0.2406463	0.17341928	3.1847191	21	3 3.3	21.4
332436 2007 VR_{27}	17.4	X	59.81714	331.99083	203.81057	0.84077	0.1322370	0.25625960	2.4547991	21	5 16.3	19.7
332437 2007 VV_{48}	16.9	X	81.16195	82.92296	284.76124	4.67542	0.0558448	0.22482297	2.6786066	21	—	—
332438 2007 VA_{302}	16.9	X	26.79507	245.47419	111.31677	23.60436	0.1043678	0.35740217	1.9665180	21	—	—
332439 2007 XJ_{34}	17.5	X	62.15925	139.17560	299.03022	3.78452	0.2210791	0.23292415	2.6161323	21	1 12.9	19.7
332440 2007 XO_{39}	16.8	X	67.16356	130.47472	310.17664	7.20923	0.2468289	0.22990942	2.6389523	21	1 31.9	19.1
332441 2007 XL_{52}	17.5	X	239.24051	123.75363	83.34642	7.75343	0.0613211	0.28559677	2.2836727	21	—	—
332442 2007 YQ_{8}	14.7	X	219.08062	66.52609	264.45233	21.89827	0.1188952	0.17200514	3.2021506	21	2 23.0	20.3
332443 2007 YO_{46}	17.8	X	48.91221	339.20598	108.28016	3.59831	0.1374398	0.29709657	2.2243560	21	—	—
332444 2007 YT_{55}	16.8	X	322.37776	173.51149	310.43389	5.44160	0.1004858	0.28216045	2.3021766	21	—	—
332445 2008 AU_{2}	17.2	X	355.47391	247.12012	266.11110	5.16807	0.0882813	0.29738848	2.2229002	21	—	—
332446 2008 AF_{4}	19.7	X	137.22568	293.30108	109.33306	8.93068	0.4100456	0.60771557	1.3803921	21	2 3.1	16.5
332447 2008 AR_{16}	17.8	X	279.46117	81.59135	134.06493	7.01296	0.0848575	0.29278550	2.2461375	21	—	—
332448 2008 AJ_{37}	18.0	X	281.60456	49.78943	118.41862	1.67795	0.1559898	0.28358819	2.2944431	21	—	—
332449 2008 AC_{62}	17.6	X	261.58594	267.81666	306.86510	2.70892	0.1093310	0.28819612	2.2699204	21	—	—
332450 2008 BB_{14}	17.2	X	289.80053	132.15130	68.57871	10.30994	0.0984876	0.29162145	2.2521107	21	—	—
332451 2008 BK_{23}	17.5	X	27.69638	307.80468	135.37767	3.62202	0.1052219	0.28792828	2.2713279	21	—	—
332452 2008 CF_{12}	17.2	X	234.08043	167.77275	27.78192	2.98508	0.1613001	0.27598229	2.3364074	21	—	—
332453 2008 CX_{14}	17.2	X	22.36105	329.92917	123.67518	8.01795	0.0780417	0.28829228	2.2694156	21	—	—
332454 2008 CJ_{20}	17.4	X	267.74689	55.75316	111.01148	5.29006	0.1783164	0.27752279	2.3277533	21	—	—
332455 2008 CH_{37}	17.9	X	161.05498	232.68070	167.30996	3.71772	0.1407902	0.30751626	2.1738221	21	3 20.7	20.7
332456 2008 CN_{44}	17.2	X	163.18336	312.79794	0.80655	7.12857	0.1319648	0.28401702	2.2921330	21	—	—
332457 2008 CG_{69}	17.9	X	285.91170	11.57128	138.55072	2.75101	0.1458336	0.27774549	2.3265089	21	—	—
332458 2008 CW_{84}	17.7	X	261.04360	34.16057	155.43971	6.03714	0.0930326	0.28026766	2.3125301	21	—	—
332459 2008 CM_{97}	17.7	X	194.90318	130.99280	98.13225	2.10721	0.1481478	0.27385851	2.3484711	21	12 30.9	21.1
332460 2008 CL_{118}	17.0	X	243.79501	183.76882	32.09519	8.10431	0.0772221	0.28266355	2.2994440	21	—	—
332461 2008 CD_{132}	17.7	X	291.81212	95.93335	154.11622	6.59536	0.1361200	0.29750549	2.2223173	21	1 19.1	20.7
332462 2008 CR_{153}	17.2	X	180.20043	263.29392	21.07112	5.65767	0.2348060	0.27801113	2.3250266	21	—	—
332463 2008 CC_{159}	17.4	X	278.33581	261.52630	266.55288	4.19122	0.0390651	0.27980492	2.3150790	21	—	—
332464 2008 CW_{163}	18.1	X	288.81638	9.80666	144.48331	2.05157	0.1514357	0.28154624	2.3055235	21	—	—
332465 2008 CG_{195}	17.2	X	161.62286	297.50864	353.88263	7.03302	0.2138312	0.27560654	2.3385305	21	—	—
332466 2008 DV_{43}	17.4	X	162.95607	145.98556	72.62962	2.53167	0.1270157	0.26205547	2.4184692	21	11 15.3	21.0
332467 2008 DL_{53}	17.3	X	160.44414	94.14956	185.41962	8.69420	0.2044965	0.27097717	2.3650895	21	—	—
332468 2008 DA_{56}	17.4	X	184.81240	355.32528	230.63794	3.51255	0.2134819	0.26751992	2.3854224	21	12 10.4	21.3
332469 2008 DT_{69}	17.7	X	267.11567	5.05493	146.76082	6.78414	0.1736274	0.27383343	2.3486145	21	12 20.6	20.2
332470 2008 DH_{81}	17.4	X	306.42745	296.80936	184.94336	7.23794	0.2101729	0.27744085	2.3282116	21	—	—
332471 2008 DM_{81}	18.1	X	211.79657	342.13436	284.50903	0.18812	0.2034926	0.27822267	2.3238479	21	—	—
332472 2008 DA_{89}	17.7	X	170.48790	132.02758	149.19121	2.57803	0.1986564	0.27398824	2.3477297	21	—	—
332473 2008 EB_{51}	17.6	X	168.65174	321.25272	271.31744	1.30944	0.1666818	0.26426165	2.4049901	21	12 6.3	21.3
332474 2008 EM_{59}	18.1	X	292.61863	324.66294	172.52903	5.98409	0.1810800	0.27733850	2.3287843	21	—	—
332475 2008 ES_{73}	17.5	X	177.46093	191.96842	50.71350	5.14640	0.1597333	0.26899008	2.3767228	21	12 28.2	21.1
332476 2008 EY_{73}	17.9	X	227.10383	81.51873	91.82913	3.34414	0.1499009	0.26805833	2.3822272	21	11 24.9	20.9
332477 2008 ED_{83}	16.8	X	198.68340	269.17311	303.02342	6.11138	0.0886884	0.26935230	2.3745916	21	12 19.4	20.1
332478 2008 EC_{96}	17.4	X	191.24620	166.19130	67.33865	7.06556	0.1040230	0.27038227	2.3685574	21	—	—
332479 2008 EL_{100}	17.3	X	280.41489	87.30040	91.79329	3.77996	0.0268488	0.28135803	2.3065516	21	—	—
332480 2008 EO_{108}	18.0	X	270.65554	303.03580	329.47706	3.28477	0.1473587	0.29802545	2.2197317	21	1 25.8	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332481 2008 EN_{115}	17.6	X	149.28062	15.33761	273.81976	3.96779	0.1784102	0.26976374	2.3721765	21	—	—
332482 2008 EQ_{122}	17.7	X	195.01742	3.02609	176.16094	3.86496	0.1523697	0.26166974	2.4208453	21	10 27.7	21.3
332483 2008 EM_{128}	17.1	X	294.94366	89.52565	54.98748	3.34629	0.0965762	0.27767375	2.3269095	21	—	—
332484 2008 ET_{133}	17.7	X	217.17440	63.48244	198.29107	9.32838	0.1814711	0.28276749	2.2988805	21	—	—
332485 2008 EP_{136}	17.6	X	153.38580	238.93039	61.14986	1.67973	0.2084895	0.27264051	2.3554603	21	—	—
332486 2008 EB_{157}	17.2	X	158.14914	153.54352	157.86213	2.50336	0.1935893	0.27707680	2.3302505	21	—	—
332487 2008 ES_{158}	17.6	X	139.57709	101.03656	151.10889	5.52114	0.1695253	0.25974326	2.4328007	21	12 4.6	21.5
332488 2008 EY_{165}	17.6	X	286.24401	340.74294	146.92950	6.48208	0.1018355	0.27056198	2.3675084	21	12 27.4	20.1
332489 2008 FP_{18}	17.8	X	225.25494	5.65021	182.35148	0.84479	0.1336784	0.27089490	2.3655683	21	12 14.2	20.7
332490 2008 FJ_{20}	17.6	X	227.14006	92.61670	197.03315	6.65312	0.1317444	0.28776234	2.2722010	21	1 5.6	21.2
332491 2008 FU_{55}	17.0	X	110.86281	325.73906	195.58856	8.45356	0.1049397	0.23956838	2.5675351	21	7 3.9	20.8
332492 2008 FK_{57}	17.4	X	153.00646	207.76469	36.37062	6.33607	0.0658506	0.26142646	2.4223470	21	12 7.8	20.8
332493 2008 FD_{60}	17.5	X	183.53162	115.14328	97.32064	3.74563	0.1362940	0.26416189	2.4055955	21	11 28.1	21.1
332494 2008 FY_{68}	17.3	X	320.48587	332.19608	121.86222	2.86024	0.1720057	0.26995652	2.3710470	21	—	—
332495 2008 FQ_{73}	17.2	X	285.32198	19.11569	71.67274	7.05176	0.0959857	0.26182909	2.4198630	21	11 3.7	19.8
332496 2008 FW_{73}	17.2	X	200.42191	224.28377	45.46660	6.54992	0.1874072	0.27567696	2.3381322	21	—	—
332497 2008 FQ_{103}	17.1	X	334.74428	290.13144	165.20489	6.65390	0.0690390	0.26967636	2.3726889	21	—	—
332498 2008 FN_{110}	17.9	X	211.44072	131.56509	154.69694	5.96848	0.1634444	0.28221602	2.3018743	21	—	—
332499 2008 FG_{113}	17.7	X	143.41942	159.11907	89.64672	2.41961	0.1558529	0.26014449	2.4302985	21	12 3.2	21.4
332500 2008 FQ_{115}	17.8	X	295.63080	325.14292	138.98606	3.11985	0.1390029	0.26922108	2.3753631	21	12 6.7	19.9
332501 2008 FE_{117}	17.8	X	175.68437	28.09084	161.35499	1.50761	0.1376080	0.25667100	2.4521753	21	10 21.4	21.6
332502 2008 FO_{118}	17.0	X	166.32416	15.55339	208.25199	5.64181	0.0729100	0.26003553	2.4309774	21	11 27.7	20.4
332503 2008 FZ_{127}	17.5	X	129.53718	183.29968	101.26188	4.05717	0.2145041	0.26212676	2.4180307	21	—	—
332504 2008 FF_{128}	17.6	X	169.13999	103.39669	119.02223	2.08610	0.1385020	0.26129452	2.4231623	21	11 25.7	21.2
332505 2008 GX_{11}	17.5	X	206.39833	34.05184	216.36431	4.89138	0.0907718	0.27144324	2.3623815	21	—	—
332506 2008 GV_{16}	17.9	X	242.96478	3.72427	152.85475	1.59701	0.1288321	0.26685316	2.3893943	21	11 25.8	20.7
332507 2008 GE_{51}	17.8	X	178.22218	46.95156	143.98069	1.98640	0.1305198	0.25929856	2.4355814	21	10 26.8	21.4
332508 2008 GA_{52}	17.6	X	217.75224	146.16874	177.82417	2.80933	0.2465360	0.28946463	2.2632840	21	2 9.6	21.4
332509 2008 GA_{82}	17.3	X	142.85669	180.59077	114.18882	3.15474	0.2084760	0.26818285	2.3814898	21	—	—
332510 2008 GG_{82}	16.9	X	47.43597	326.02713	58.79814	11.08993	0.0960117	0.27043554	2.3682463	21	—	—
332511 2008 GD_{87}	18.0	X	234.55549	160.25861	34.37923	3.45309	0.1335692	0.27437731	2.3455098	21	—	—
332512 2008 GK_{102}	17.5	X	176.86208	99.94485	104.33750	3.25698	0.1196040	0.25879754	2.4387238	21	11 11.9	21.2
332513 2008 GE_{107}	17.3	X	142.54479	167.74780	139.46131	7.36803	0.1268820	0.27275623	2.3547940	21	—	—
332514 2008 GX_{143}	17.9	X	199.07508	63.38350	229.65897	5.54255	0.1176426	0.27890735	2.3200432	21	—	—
332515 2008 GS_{145}	16.8	X	111.54161	180.47608	95.54942	9.61752	0.2391455	0.25626822	2.4547440	21	12 10.9	21.1
332516 2008 HB_{14}	16.8	X	68.23246	342.03429	227.22881	4.93741	0.0179930	0.23911151	2.5708046	21	6 29.6	20.1
332517 2008 JB_{4}	16.8	X	138.29942	43.20935	231.90962	22.46940	0.1867390	0.25896860	2.4376498	21	12 26.6	21.1
332518 2008 JK_{13}	17.4	X	207.60727	164.76338	140.96904	5.08575	0.1278655	0.28617222	2.2806102	21	1 7.5	20.7
332519 2008 JG_{26}	16.0	X	358.09126	198.32970	101.39886	9.17274	0.1835043	0.23307256	2.6150216	21	7 29.0	18.2
332520 2008 JJ_{36}	17.4	X	133.58743	254.97459	120.90987	7.28946	0.2150167	0.27658949	2.3329867	21	1 30.6	20.4
332521 2008 KB_{28}	16.3	X	37.90954	185.78307	133.56407	16.36894	0.1462743	0.24608261	2.5220214	21	11 13.3	19.8
332522 2008 KB_{35}	17.6	X	188.72222	357.65484	168.29467	2.96175	0.1180759	0.25264576	2.4781526	21	10 5.5	21.1
332523 2008 KD_{41}	17.6	X	224.61408	333.67668	179.03567	9.55905	0.1858723	0.26068418	2.4269431	21	10 21.8	21.2
332524 2008 LP_{4}	17.0	X	56.79121	271.68398	161.14881	7.31632	0.0852446	0.27737904	2.3285575	21	—	—
332525 2008 LB_{6}	17.6	X	158.23424	106.59363	215.69855	5.45983	0.1520787	0.27265565	2.3553731	21	—	—
332526 2008 LK_{8}	16.7	X	228.34045	334.90988	171.24550	8.30581	0.1306531	0.25628174	2.4546577	21	10 24.2	20.1
332527 2008 NZ_{4}	17.1	X	327.15665	145.71767	169.33248	3.82212	0.1056403	0.22279724	2.6948185	21	6 23.3	20.3
332528 2008 NE_{5}	16.3	X	54.51054	192.28060	105.58848	11.08492	0.1956525	0.23714443	2.5850013	21	11 10.9	20.0
332529 2008 OJ_{3}	16.2	X	343.04682	181.71185	140.14713	14.95392	0.2827160	0.22598507	2.6694157	21	7 18.7	18.1
332530 Canders	17.0	X	288.51618	153.21165	184.17195	5.57746	0.0532778	0.21744070	2.7388957	21	6 4.5	20.8
332531 2008 OP_{19}	17.0	X	62.26654	88.14818	170.86989	6.66874	0.0882298	0.22862277	2.6488441	21	9 8.9	20.4
332532 2008 OU_{19}	17.4	X	24.37963	135.66115	162.71784	2.94292	0.0492270	0.22754394	2.6572099	21	9 2.4	20.8
332533 2008 OS_{23}	16.0	X	252.90173	217.65464	152.76157	11.32309	0.1884504	0.21184290	2.7869346	21	5 19.9	20.5
332534 2008 OW_{24}	16.6	X	280.94641	223.11609	159.83619	11.26549	0.3144243	0.22055146	2.7130810	21	6 16.5	20.7
332535 2008 PJ_{2}	16.6	X	14.27605	177.12394	201.27246	2.93400	0.2274307	0.24195338	2.5506346	21	—	—
332536 2008 PX_{7}	16.4	X	16.49555	156.76578	148.25765	14.80925	0.2542353	0.23128502	2.6284782	21	9 30.5	18.9
332537 2008 PD_{11}	16.5	X	304.40330	151.85650	214.60516	13.09333	0.1362264	0.22212694	2.7002371	21	7 20.8	20.1
332538 2008 PJ_{17}	16.9	X	41.51457	53.83207	272.52959	11.88200	0.2194875	0.23847533	2.5753746	21	11 30.6	20.4
332539 2008 PN_{20}	15.5	X	294.14285	255.20909	96.39205	16.63720	0.3076434	0.21887726	2.7268983	21	5 25.7	19.5
332540 2008 PN_{21}	15.5	X	251.90912	230.15978	145.50414	25.86994	0.1454565	0.21075702	2.7964991	21	6 2.3	20.3
332541 2008 QG_{6}	16.6	X	305.60527	108.59850	229.56866	7.95529	0.2291673	0.21884981	2.7271264	21	6 1.4	19.9
332542 2008 QT_{8}	16.7	X	300.39417	180.15662	153.87183	4.10231	0.2007535	0.21719596	2.7409528	21	5 24.5	20.3
332543 2008 QE_{10}	16.6	X	29.05432	116.89438	165.52285	13.16877	0.2767745	0.22841166	2.6504760	21	9 22.7	19.3
332544 2008 QX_{10}	16.1	X	7.07613	160.26907	168.53110	14.48942	0.2716382	0.22974612	2.6402026	21	10 17.6	18.4
332545 2008 QM_{15}	16.3	X	291.52250	110.28424	162.46346	11.73460	0.0400855	0.20238141	2.8731324	21	3 19.7	20.2
332546 2008 QH_{16}	16.2	X	242.70603	231.63439	117.61406	11.77668	0.1524458	0.20604390	2.8389836	21	4 19.6	20.9
332547 2008 QV_{20}	16.0	X	258.22197	158.25771	188.11076	12.87582	0.1778480	0.21085680	2.7956168	21	4 24.9	20.4
332548 2008 QP_{24}	16.3	X	331.10413	125.53474	182.12398	9.39231	0.1848549	0.21775606	2.7362507	21	6 10.4	19.4
332549 2008 QH_{32}	16.7	X	20.23225	41.13518	269.43606	5.96115	0.3182611	0.22917144	2.6446146	21	10 20.6	19.4
332550 2008 QJ_{41}	16.4	X	167.94096	212.66905	203.21016	1.49356	0.0623419	0.20314924	2.8658882	21	4 22.1	20.6
332551 2008 RA	16.5	X	324.66427	141.38291	216.89717	14.30336	0.2445342	0.22391654	2.6858305	21	7 29.4	19.4
332552 2008 RM_{1}	16.1	X	331.68543	192.42160	137.14075	17.20796	0.2947587	0.22452625	2.6809660	21	6 28.6	18.6
332553 2008 RY_{3}	17.0	X	240.32838	142.01873	181.16127	11.94476	0.0492766	0.19867909	2.9087157	21	3 19.2	21.1
332554 2008 RX_{21}	17.0	X	21.02648	155.33161	151.19643	12.78202	0.2606566	0.23093524	2.6311317	21	10 13.3	19.8
332555 2008 RH_{26}	15.6	X	10.36689	145.08645	229.75328	27.89035	0.2896778	0.23124859	2.6287543	21	12 24.5	19.0
332556 2008 RB_{29}	17.1	X	302.76441	97.30011	180.52655	9.16647	0.1018790	0.20437314	2.8544351	21	3 30.5	20.8
332557 2008 RA_{45}	16.7	X	296.55241	57.14050	176.72842	12.22758	0.0310095	0.19037103	2.9927388	21	2 5.6	21.0
332558 2008 RE_{51}	17.0	X	18.05146	111.02091	194.75568	6.21315	0.3313550	0.23047512	2.6346323	21	10 15.1	19.2
332559 2008 RT_{98}	15.8	X	193.09187	90.40807	258.19650	10.73568	0.0671202	0.19510241	2.9441570	21	2 21.7	20.5
332560 2008 RO_{100}	17.0	X	334.74350	122.47350	177.42893	7.46245	0.2071288	0.21908930	2.7251387	21	6 3.2	19.9

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332561 2008 RT_{102}	16.2	X	142.77731	264.63584	99.28720	3.29524	0.1641870	0.18477835	3.0528256	21	2 3.7	21.0
332562 2008 RH_{104}	16.4	X	130.32705	107.80472	222.62354	8.71468	0.0837191	0.17454379	3.1710259	21	—	—
332563 2008 RO_{113}	16.4	X	153.05386	138.07765	212.01048	10.21116	0.0700389	0.18336553	3.0684867	21	1 16.7	21.1
332564 2008 RB_{117}	15.9	X	218.39863	102.36442	22.84636	5.35606	0.0606535	0.21931993	2.7232279	21	9 19.0	19.7
332565 2008 RT_{117}	15.8	X	76.85887	185.69733	216.70938	10.06391	0.0526727	0.17743207	3.1365194	21	—	—
332566 2008 RY_{129}	16.5	X	277.10031	329.01864	351.41791	2.74271	0.1773347	0.21040350	2.7996307	21	4 10.0	20.6
332567 2008 RA_{132}	16.5	X	312.24080	222.06992	159.97087	14.15818	0.2666319	0.22370779	2.6875011	21	8 7.9	19.2
332568 2008 RW_{133}	16.1	X	206.83537	154.52195	218.47401	11.85526	0.1648238	0.20259557	2.8711073	21	4 8.3	20.8
332569 2008 SH	15.9	X	193.50232	251.96154	72.27351	10.29934	0.0217630	0.18730608	3.0252978	21	1 31.5	20.4
332570 2008 SN_{12}	17.1	X	33.21272	53.44320	270.78055	3.58973	0.2794695	0.23479936	2.6021846	21	11 25.5	20.2
332571 2008 SX_{38}	16.0	X	162.69484	303.20017	21.05244	10.67429	0.0760314	0.17957359	3.1115330	21	1 1.3	20.8
332572 2008 SM_{45}	16.1	X	175.77579	158.63391	193.18889	8.45729	0.1126092	0.18751464	3.0230542	21	2 13.9	21.0
332573 2008 SZ_{51}	15.8	X	38.51651	85.66147	7.76418	10.15499	0.1410651	0.17695104	3.1422011	21	1 3.2	19.7
332574 2008 SR_{53}	16.9	X	328.30735	189.57408	168.25412	2.11676	0.2255502	0.22293745	2.6936884	21	8 14.4	19.0
332575 2008 SU_{55}	15.7	X	197.04801	224.10585	25.61311	7.09376	0.0734276	0.16926827	3.2365750	21	—	—
332576 2008 SD_{67}	15.9	X	15.43112	25.99334	313.20582	12.24305	0.2581289	0.22939240	2.6429160	21	11 8.4	18.9
332577 2008 SB_{73}	15.5	X	111.44881	250.62001	100.24070	10.70525	0.0754592	0.17410233	3.1763840	21	—	—
332578 2008 SM_{80}	16.4	X	18.47002	104.74632	221.30421	14.20800	0.2693173	0.22823304	2.6518587	21	11 2.0	18.8
332579 2008 SD_{82}	16.0	X	94.54272	321.34327	62.06858	5.66156	0.1239352	0.17618199	3.1513385	21	—	—
332580 2008 SY_{83}	15.7	X	139.14374	113.28392	241.54453	10.76543	0.0597566	0.18412572	3.0600351	21	1 6.3	20.2
332581 2008 SG_{93}	16.1	X	146.73591	126.92216	225.62384	8.22985	0.0816319	0.18109100	3.0941270	21	1 14.9	20.8
332582 2008 SO_{97}	16.3	X	308.99290	269.65868	358.52155	5.36561	0.0300214	0.19739362	2.9213302	21	4 5.1	20.4
332583 2008 SL_{98}	16.5	X	173.19052	110.74196	214.31131	4.31854	0.1279451	0.18189443	3.0850091	21	1 14.5	21.4
332584 2008 SQ_{128}	15.4	X	194.01896	77.78154	215.14792	25.29150	0.1800809	0.17967433	3.1103698	21	—	—
332585 2008 SK_{143}	16.1	X	124.22461	178.80714	196.09718	6.71561	0.1716518	0.17859685	3.1228672	21	1 28.2	20.8
332586 2008 SS_{149}	16.6	X	341.52626	97.95555	239.34774	5.29976	0.1689535	0.22277069	2.6950325	21	8 15.1	19.2
332587 2008 SF_{151}	16.3	X	167.83839	106.10079	221.65441	8.11657	0.0902107	0.18425319	3.0586236	21	1 8.8	21.0
332588 2008 SC_{153}	16.7	X	28.03240	277.29969	2.25117	11.20300	0.2930694	0.22680143	2.6630063	21	9 19.0	19.3
332589 2008 SU_{165}	15.6	X	262.88429	196.02271	30.32514	7.18015	0.0657986	0.18074534	3.0980706	21	—	—
332590 2008 SD_{170}	16.0	X	350.54303	320.29835	193.08064	11.77564	0.0271273	0.18532842	3.0467819	21	1 7.7	20.4
332591 2008 SP_{174}	15.9	X	332.19384	221.58307	128.16636	14.65527	0.2761982	0.22244159	2.6976901	21	8 5.4	17.7
332592 2008 SR_{174}	15.9	X	310.90967	94.25775	285.61898	9.94619	0.2389375	0.22212498	2.7002530	21	8 5.7	18.7
332593 2008 SH_{177}	16.3	X	18.20204	187.81208	133.32107	5.02768	0.2159739	0.22726892	2.6593532	21	10 18.9	19.0
332594 2008 SE_{185}	16.0	X	129.19220	108.25359	268.65721	6.22676	0.1647395	0.18093864	3.0958637	21	2 3.5	20.8
332595 2008 SD_{201}	16.2	X	99.31302	160.56501	223.08538	8.20940	0.0750764	0.17509680	3.1643456	21	—	—
332596 2008 SQ_{223}	15.9	X	273.71497	347.73833	237.27383	5.49805	0.1232132	0.18423983	3.0587714	21	—	—
332597 2008 SK_{229}	16.6	X	339.95913	75.67729	243.58126	4.50841	0.0621867	0.21815487	2.7329149	21	7 23.0	20.0
332598 2008 SL_{234}	15.6	X	186.46278	278.31917	26.27876	10.98074	0.0952998	0.18257247	3.0773663	21	1 3.4	20.5
332599 2008 SH_{251}	15.7	X	228.22761	120.42284	192.34450	10.69601	0.0967724	0.19060108	2.9903302	21	2 17.7	20.4
332600 2008 SZ_{252}	16.0	X	342.23925	155.44673	331.72662	3.37536	0.1195177	0.17033400	3.2230607	21	—	—
332601 2008 SW_{258}	16.3	X	237.16832	58.07272	210.45807	9.89124	0.0956300	0.18586740	3.0408890	21	1 7.5	21.1
332602 2008 SP_{264}	16.1	X	88.25987	229.45887	208.16156	9.14138	0.0600853	0.18154007	3.0890224	21	2 12.6	20.5
332603 2008 SW_{276}	15.4	X	37.11640	181.15474	215.57806	21.86309	0.0591948	0.16799483	3.2529104	21	—	—
332604 2008 SF_{282}	16.3	X	178.72889	282.03696	45.41478	7.69793	0.2035233	0.17910643	3.1169411	21	1 29.5	21.6
332605 2008 SW_{285}	16.2	X	138.33898	234.64310	200.30829	11.25008	0.0079772	0.19356930	2.9596821	21	4 6.4	20.1
332606 2008 SC_{287}	16.0	X	196.32293	307.83871	296.89214	4.84169	0.0608484	0.16964743	3.2317508	21	—	—
332607 2008 SO_{291}	16.5	X	313.68093	83.36939	258.93137	5.29530	0.0724678	0.21813764	2.7330588	21	7 13.6	20.0
332608 2008 TH_{6}	16.2	X	273.56893	206.60815	192.64816	9.09392	0.1612466	0.21492503	2.7602265	21	7 18.5	20.1
332609 2008 TR_{6}	16.0	X	315.02012	305.92572	115.75692	5.49977	0.0996307	0.22778958	2.6552993	21	11 5.3	19.0
332610 2008 TA_{12}	16.7	X	293.19383	167.07640	193.23310	5.32234	0.0634563	0.21596354	2.7513706	21	7 9.2	20.3
332611 2008 TG_{15}	16.4	X	263.78403	341.40143	293.13536	1.21863	0.0506872	0.19205313	2.9752385	21	2 15.3	20.5
332612 2008 TF_{16}	16.4	X	124.65500	184.14147	202.46206	8.99280	0.0669104	0.18434109	3.0576512	21	1 27.5	20.9
332613 2008 TF_{33}	16.2	X	166.93591	153.52906	195.66081	10.40299	0.1172865	0.18446684	3.0562615	21	2 2.6	21.1
332614 2008 TP_{36}	16.2	X	168.87384	121.46421	221.27357	2.62639	0.1122954	0.18603778	3.0390321	21	1 29.2	20.9
332615 2008 TT_{50}	16.3	X	257.16756	66.40766	190.76611	10.85417	0.0375780	0.18462338	3.0545337	21	1 18.8	20.9
332616 2008 TM_{61}	16.6	X	199.83239	30.92826	274.10404	1.44005	0.1012121	0.18302024	3.0723449	21	1 15.9	21.5
332617 2008 TZ_{91}	16.1	X	6.19990	236.23605	98.50541	12.99207	0.2877850	0.22791537	2.6543222	21	10 30.7	18.6
332618 2008 TX_{97}	16.8	X	265.48787	82.09686	297.20104	3.82677	0.1811830	0.21276004	2.7789198	21	6 11.3	20.9
332619 2008 TO_{98}	16.4	X	228.44584	51.53310	195.11256	10.47567	0.0899496	0.17726166	3.1385292	21	—	—
332620 2008 TP_{104}	16.0	X	153.56208	130.70445	220.93205	5.40253	0.1572548	0.18264282	3.0765760	21	1 28.1	20.8
332621 2008 TW_{105}	16.0	X	214.73058	44.50952	213.00157	8.41079	0.0551589	0.17445163	3.1721426	21	—	—
332622 2008 TK_{111}	15.5	X	88.77544	188.79410	212.38652	28.46395	0.1876586	0.17624426	3.1505961	21	1 14.6	20.3
332623 2008 TY_{111}	16.0	X	152.52375	137.36072	231.09029	8.86709	0.1814787	0.18552572	3.0446214	21	2 15.3	21.0
332624 2008 TJ_{112}	16.4	X	281.02015	94.81428	276.81520	3.70106	0.1734673	0.21329442	2.7742763	21	6 21.3	20.2
332625 2008 TC_{113}	15.8	X	156.27268	135.23532	193.86255	8.62519	0.0397541	0.17612331	3.1520383	21	—	—
332626 2008 TU_{118}	15.8	X	358.99690	280.24027	203.13354	10.34095	0.0612326	0.17789838	3.1310360	21	—	—
332627 2008 TF_{131}	16.5	X	236.13483	73.70680	238.62941	6.41138	0.2269619	0.19460093	2.9492128	21	2 17.9	21.6
332628 2008 TT_{132}	15.8	X	164.41193	41.00009	271.65969	4.84763	0.1015867	0.17646095	3.1480164	21	—	—
332629 2008 TK_{138}	16.0	X	165.37544	328.97609	340.47433	4.63973	0.1367309	0.17644566	3.1481982	21	—	—
332630 2008 TT_{157}	16.2	X	299.82288	239.77110	141.88033	14.28901	0.2269371	0.21926908	2.7236489	21	7 23.0	19.6
332631 2008 TF_{184}	16.2	X	42.66605	19.15295	287.77311	13.05409	0.2575419	0.23239270	2.6201193	21	11 8.5	19.9
332632 2008 UO_{1}	16.0	X	145.25412	218.26898	161.23255	11.99120	0.1703344	0.18487222	3.0517921	21	2 23.7	20.9
332633 2008 UK_{4}	15.9	X	203.02199	89.49321	230.24162	7.84808	0.0806396	0.18798817	3.0179754	21	2 1.3	20.7
332634 2008 UM_{4}	15.3	X	116.07646	180.36299	244.86984	17.39677	0.1810929	0.18131653	3.0915608	21	3 15.7	20.3
332635 2008 UB_{18}	16.7	X	294.78118	260.90959	43.14084	2.63964	0.0445313	0.20259764	2.8710877	21	5 1.1	20.6
332636 2008 UR_{27}	16.4	X	216.06337	104.82297	181.60863	2.17687	0.2592495	0.18290220	3.0736666	21	1 8.7	21.8
332637 2008 UJ_{58}	16.1	X	181.73456	169.68553	142.63086	4.00095	0.1060918	0.17870627	3.1215924	21	1 7.8	20.9
332638 2008 UD_{71}	15.5	X	175.77967	103.29713	270.61355	10.33632	0.0399484	0.18533529	3.0467066	21	3 5.3	20.2
332639 2008 UG_{79}	16.6	X	87.72226	322.19465	202.04405	6.49575	0.0143765	0.20585420	2.8407274	21	5 27.7	20.4
332640 2008 UD_{83}	16.0	X	153.22446	222.05262	194.98059	11.97725	0.0970019	0.19320693	2.9633816	21	4 11.2	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332641 2008 UK_{91}	16.2	X	30.83273	80.45391	225.88605	16.15029	0.3334101	0.23046466	2.6347120	21	11 6.8	19.2
332642 2008 UZ_{98}	15.3	X	108.57666	95.26140	257.92373	9.02707	0.1240984	0.17249225	3.1961194	21	—	—
332643 2008 UC_{106}	16.4	X	278.94613	43.14222	314.23962	2.46762	0.0821436	0.21150538	2.7898987	21	6 13.3	20.3
332644 2008 UV_{113}	15.8	X	168.70794	285.99495	9.99666	4.69720	0.1530954	0.17245668	3.1965589	21	—	—
332645 2008 UY_{126}	16.5	X	146.61013	221.70491	121.77116	2.04195	0.1964566	0.17725785	3.1385742	21	1 18.3	21.4
332646 2008 UJ_{128}	15.4	X	211.68487	85.25457	234.25619	8.73117	0.0507702	0.17937032	3.1138833	21	2 10.6	20.2
332647 2008 UF_{143}	16.2	X	194.12225	221.11533	84.25926	2.43448	0.1641714	0.17939133	3.1136401	21	1 13.5	21.4
332648 2008 UX_{194}	16.5	X	253.32545	251.42791	37.74342	1.83490	0.1233182	0.18598004	3.0396611	21	2 16.8	21.1
332649 2008 UM_{200}	16.8	X	281.36570	131.92085	240.98238	3.74824	0.1745021	0.21438762	2.7648373	21	6 23.2	20.6
332650 2008 UG_{203}	15.3	X	144.35840	80.59557	251.13607	8.07767	0.0699579	0.17441462	3.1725913	21	—	—
332651 2008 UF_{214}	15.6	X	162.17621	69.80666	243.08142	12.91385	0.1281927	0.17619928	3.1511323	21	—	—
332652 2008 UR_{229}	15.5	X	262.45442	34.51721	261.23227	10.23263	0.0895958	0.18630587	3.0361160	21	3 3.1	20.3
332653 2008 UN_{255}	15.8	X	200.74507	263.50571	77.17352	11.90418	0.1424860	0.19117676	2.9843241	21	3 4.0	20.8
332654 2008 UK_{353}	16.5	X	172.27098	79.65129	293.86194	1.14865	0.1151251	0.18551273	3.0447635	21	3 10.1	21.2
332655 2008 VF_{26}	16.1	X	34.98122	12.28327	306.11492	13.44500	0.2605277	0.23091021	2.6313218	21	11 12.8	19.7
332656 2008 VG_{51}	16.2	X	203.56184	307.89340	48.72459	4.40023	0.1665482	0.18918754	3.0052068	21	3 21.5	21.1
332657 2008 VU_{74}	16.7	X	14.20952	270.38116	74.22080	17.06662	0.2368461	0.22694225	2.6619045	21	11 17.9	19.5
332658 2008 VD_{75}	16.3	X	304.36737	241.32920	104.43409	9.87790	0.2385684	0.21263136	2.7800408	21	6 9.4	19.7
332659 2008 WG_{7}	16.0	X	189.16393	94.51503	225.59228	16.19241	0.1081742	0.18130826	3.0916548	21	1 19.2	21.1
332660 2008 WL_{7}	15.9	X	170.37733	267.75929	46.93883	5.83579	0.1501804	0.17690598	3.1427347	21	1 3.6	21.0
332661 2008 WO_{7}	16.3	X	166.80298	111.47673	227.62788	4.42934	0.1367739	0.18073650	3.0981716	21	1 25.1	21.3
332662 2008 WN_{18}	16.3	X	154.21063	337.50458	358.75538	1.25321	0.1507392	0.17831765	3.1261262	21	1 13.1	21.2
332663 2008 WA_{55}	18.4	X	270.94377	259.07472	256.68005	5.62393	0.2006793	0.38562301	1.8693649	21	—	—
332664 2008 WB_{60}	16.4	X	330.39717	252.68667	85.61825	6.43410	0.2736326	0.21647042	2.7470739	21	7 12.6	18.8
332665 2008 WM_{81}	15.5	X	164.25563	308.13902	81.68592	14.75714	0.1589427	0.18578513	3.0417866	21	4 1.6	20.6
332666 2008 WO_{96}	16.3	X	217.11064	85.00482	210.94400	10.35863	0.0315195	0.17374428	3.1807464	21	1 21.8	21.2
332667 2008 WB_{103}	16.0	X	183.16616	159.78434	192.08789	10.39073	0.1883406	0.18750173	3.0231930	21	2 23.7	21.2
332668 2008 YX_{1}	15.5	X	146.53199	130.13915	270.21585	10.98597	0.0978543	0.18182139	3.0858353	21	3 9.9	20.4
332669 2008 YH_{108}	17.5	X	62.24040	284.58263	303.63517	6.54510	0.1468475	0.27000334	2.3707729	21	8 8.6	20.2
332670 2009 AR_{23}	18.4	X	207.21485	89.49154	304.67628	3.12591	0.2010140	0.26981105	2.3718992	21	4 29.9	22.3
332671 2009 AO_{46}	17.2	X	288.59715	208.36775	94.24522	3.33483	0.1801567	0.26257382	2.4152853	21	3 27.9	20.4
332672 2009 BJ_{29}	16.9	X	59.92133	233.83592	111.95581	8.58648	0.1572933	0.22287373	2.6942019	21	—	—
332673 2009 BV_{38}	15.9	X	168.16422	282.01243	128.96625	15.43970	0.3248659	0.18461857	3.0545868	21	5 3.8	21.7
332674 2009 BC_{44}	16.5	X	301.34707	122.47447	314.80197	7.90114	0.1263023	0.21312884	2.7757130	21	10 22.9	20.0
332675 2009 BS_{138}	17.6	X	190.02873	143.11236	220.51373	1.16629	0.2297584	0.25614048	2.4555601	21	3 11.2	21.7
332676 2009 BK_{151}	15.4	X	157.39791	323.68768	100.01103	17.54900	0.1022456	0.18154496	3.0889669	21	5 2.3	20.4
332677 2009 BE_{171}	16.9	X	240.54123	228.68570	229.89673	1.44804	0.0165546	0.20185699	2.8781065	21	9 14.0	20.7
332678 2009 CW_{21}	17.2	X	140.07302	318.83228	308.17430	4.22797	0.1172242	0.29540806	2.2328240	21	12 28.8	20.4
332679 2009 CK_{43}	17.4	X	62.38921	184.47327	39.61469	1.80120	0.1385720	0.26385972	2.4074317	21	8 2.6	20.2
332680 2009 DR_{51}	17.1	X	296.60135	264.50492	38.52229	2.52565	0.1940080	0.25553695	2.4594250	21	4 4.6	20.4
332681 2009 DL_{120}	18.0	X	199.90625	306.50112	170.19979	1.22237	0.1347907	0.27453512	2.3446109	21	8 13.1	21.5
332682 2009 DO_{141}	17.0	X	20.62751	261.33900	169.41436	11.54952	0.1882219	0.22465626	2.6799316	21	—	—
332683 2009 DL_{142}	16.8	X	166.56046	39.80014	212.48022	4.26832	0.1123814	0.21160101	2.7890581	21	12 22.4	21.1
332684 2009 FT_{56}	17.5	X	193.86157	311.97775	234.46694	19.55102	0.0600453	0.36643592	1.9340633	21	11 30.9	19.5
332685 2009 HH_{36}	10.8	X	61.93744	240.32424	72.16318	23.28633	0.4462844	0.02169405	12.7323607	21	12 2.3	21.7
332686 2009 OL_{2}	18.0	X	213.61488	178.28186	153.24513	5.39846	0.2141636	0.30044485	2.2077990	21	2 14.4	21.7
332687 2009 OV_{2}	16.3	X	120.81449	262.58183	115.66538	23.04045	0.3586418	0.27990748	2.3145135	21	2 8.4	19.5
332688 2009 OS_{24}	17.5	X	181.94366	196.15561	139.73111	7.66922	0.1506068	0.29037674	2.2585419	21	1 20.4	20.7
332689 2009 PR_{17}	16.8	X	130.93340	307.75183	62.49418	5.92067	0.2236031	0.28405671	2.2919194	21	1 20.7	19.7
332690 2009 PZ_{17}	17.1	X	198.85967	321.87612	289.27259	4.80577	0.0809106	0.27869879	2.3212005	21	—	—
332691 2009 QP_{7}	18.3	X	152.34592	121.32537	219.07331	6.06988	0.2438519	0.28456185	2.2892063	21	1 6.3	21.6
332692 2009 QQ_{30}	16.5	X	25.68860	116.28420	255.49388	7.66129	0.2418909	0.25860734	2.4399194	21	—	—
332693 2009 QO_{45}	17.4	X	40.05405	121.84457	272.29075	1.11905	0.2259134	0.26622175	2.3931708	21	—	—
332694 2009 QM_{56}	15.9	X	158.72440	9.20334	153.77469	4.07995	0.1736954	0.24340156	2.5405075	21	8 31.3	20.0
332695 2009 RM_{1}	16.3	X	213.31679	178.67371	221.11899	8.40791	0.2179505	0.22334901	2.6903784	21	5 15.7	21.0
332696 2009 RM_{19}	18.0	X	180.49608	66.75848	330.01610	2.77635	0.1759706	0.29940960	2.2128853	21	4 7.0	21.2
332697 2009 RO_{19}	17.4	X	81.48812	154.78190	187.86389	3.19680	0.1931660	0.26738769	2.3862088	21	—	—
332698 2009 RG_{21}	17.1	X	168.58573	4.11408	258.82168	6.28328	0.0700884	0.27356967	2.3501238	21	—	—
332699 2009 RR_{22}	17.7	X	122.88360	154.17440	193.79918	6.83724	0.1262250	0.28028087	2.3124574	21	—	—
332700 2009 RB_{30}	17.1	X	103.89595	60.46933	253.99474	3.13047	0.1425751	0.26520460	2.3992860	21	—	—
332701 2009 RG_{35}	17.5	X	311.43721	121.17296	199.66599	2.21671	0.0744967	0.22696565	2.6617216	21	6 10.5	20.8
332702 2009 RS_{41}	17.0	X	18.58551	123.48423	241.17236	5.05385	0.1502748	0.25478722	2.4642473	21	12 12.5	19.6
332703 2009 RV_{51}	17.9	X	122.81630	285.07279	29.40630	2.68629	0.1958285	0.26961738	2.3730349	21	—	—
332704 2009 RV_{55}	17.1	X	227.86728	292.92924	132.17748	2.74728	0.0587571	0.22910116	2.6451554	21	7 11.9	20.8
332705 2009 RA_{56}	16.3	X	5.00397	3.84040	101.38563	2.71662	0.1599561	0.18339281	3.0681824	21	—	—
332706 Karlheidlas	17.3	X	206.06192	114.75138	263.85189	4.75862	0.1634770	0.30065927	2.2067492	21	4 6.0	20.6
332707 2009 RR_{70}	17.8	X	156.27266	235.21157	45.21602	1.78814	0.1822526	0.27119118	2.3638450	21	—	—
332708 2009 SE_{35}	17.5	X	14.91989	279.46133	222.61138	4.68077	0.1447679	0.27958026	2.3163191	21	—	—
332709 2009 SR_{53}	16.9	X	60.59599	142.22782	226.81631	4.63007	0.2306385	0.26558080	2.3970197	21	—	—
332710 2009 SW_{73}	16.7	X	205.89440	351.41845	58.18673	6.17818	0.1423654	0.22061811	2.7125345	21	5 23.2	21.0
332711 2009 SE_{77}	17.3	X	60.33757	209.51440	66.99645	6.93671	0.0875156	0.24230049	2.5481981	21	10 5.2	20.6
332712 2009 SF_{80}	18.5	X	214.87106	70.51754	187.14662	1.72981	0.1867538	0.28375606	2.2935381	21	—	—
332713 2009 SL_{83}	18.0	X	220.39294	95.70125	179.84141	5.19686	0.1639937	0.28822233	2.2697828	21	—	—
332714 2009 SS_{100}	17.6	X	116.71045	145.99669	176.03159	7.77745	0.1249979	0.26813885	2.3817503	21	—	—
332715 2009 SX_{138}	17.8	X	152.53418	132.98425	207.00788	5.07320	0.2831140	0.27979239	2.3151481	21	1 11.1	21.3
332716 2009 SO_{140}	17.4	X	111.98166	128.85430	211.18685	9.38159	0.1714522	0.27252676	2.3561157	21	—	—
332717 2009 SJ_{171}	17.4	X	96.60144	276.83085	52.92409	6.78819	0.1330208	0.26745000	2.3858382	21	—	—
332718 2009 SV_{176}	17.2	X	136.18603	73.31496	257.65313	5.71365	0.1362337	0.27729774	2.3290125	21	—	—
332719 2009 SL_{213}	16.5	X	100.48234	42.83004	229.57213	22.25320	0.2070478	0.25807410	2.4432792	21	11 25.7	20.4
332720 2009 ST_{213}	16.4	X	152.74366	251.06286	191.14245	7.83200	0.1380347	0.21500086	2.7595774	21	5 14.4	20.8

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
332721	2009 SA_{225}	17.1	X	16.29102	238.29392	72.18784	4.01431	0.0592351	0.23943014	2.5685232	21	9 11.7	20.2
332722	2009 ST_{233}	16.1	X	272.42416	351.06817	29.25067	12.76103	0.1967426	0.23009306	2.6375480	21	6 17.0	20.0
332723	2009 SB_{262}	17.1	X	103.62758	48.89214	241.55688	5.59645	0.1363958	0.25996317	2.4314285	21	12 16.4	20.7
332724	2009 SR_{273}	17.1	X	112.47861	275.19814	179.00666	2.65080	0.0808389	0.21107111	2.7937241	21	4 7.3	20.8
332725	2009 SZ_{274}	16.8	X	92.21268	6.75669	178.60213	7.90323	0.0583439	0.22883224	2.6472274	21	7 5.9	20.4
332726	2009 SF_{276}	17.5	X	130.71158	273.28883	47.29246	3.70146	0.1649762	0.27272308	2.3549849	21	—	—
332727	2009 SX_{282}	16.9	X	76.15137	204.48375	41.01552	9.35288	0.1147261	0.24100864	2.5572959	21	9 19.3	20.4
332728	2009 SD_{283}	17.0	X	191.16380	341.01241	54.58838	6.83001	0.0563512	0.21635287	2.7480688	21	4 22.8	21.0
332729	2009 SO_{283}	17.5	X	11.62702	208.26082	164.66846	6.88779	0.1575702	0.25375550	2.4709222	21	12 14.4	20.3
332730	2009 SG_{289}	15.9	X	289.40495	128.53894	35.92601	15.18287	0.2184646	0.17955589	3.1117374	21	—	—
332731	2009 SX_{315}	17.2	X	318.67427	169.31975	200.28511	3.40360	0.0604306	0.24009343	2.5637905	21	8 31.2	20.3
332732	2009 SZ_{319}	17.6	X	162.84839	357.71470	311.22740	1.66646	0.2459383	0.27831167	2.3233525	21	—	—
332733	Drolshagen	16.8	X	154.60590	96.35246	235.37744	8.50689	0.0320611	0.27730099	2.3289944	21	—	—
332734	2009 SY_{327}	17.4	X	1.21931	173.52727	169.92570	6.67614	0.0704899	0.24397689	2.5365120	21	10 4.8	20.2
332735	2009 SX_{334}	15.9	X	140.10437	25.12272	39.71120	9.85348	0.0348074	0.21191523	2.7863004	21	3 31.4	19.8
332736	2009 ST_{339}	15.4	X	24.57676	67.98242	61.37433	9.92918	0.0485566	0.18812933	3.0164656	21	1 24.9	19.5
332737	2009 SC_{348}	16.8	X	221.42710	318.63585	134.38971	4.78923	0.0226302	0.23625146	2.5915110	21	8 15.3	20.1
332738	2009 SS_{349}	17.0	X	151.39866	228.34904	95.40262	10.28392	0.2386117	0.27611844	2.3356393	21	—	—
332739	2009 SL_{352}	17.7	X	174.87660	261.71668	82.58076	0.68718	0.2343800	0.28268793	2.2993118	21	2 1.5	21.3
332740	2009 TT_{3}	16.2	X	245.09014	132.48050	224.79938	11.50207	0.1080547	0.22006113	2.7171096	21	4 28.9	20.2
332741	2009 TU_{3}	16.8	X	38.67242	300.98542	89.71887	4.70801	0.2024882	0.26556437	2.3971186	21	—	—
332742	2009 TL_{10}	17.6	X	140.89057	271.72166	46.33104	3.58688	0.2188411	0.27564104	2.3383354	21	—	—
332743	2009 TY_{13}	17.6	X	102.14259	48.34404	306.75278	0.40538	0.2063289	0.27102451	2.3648141	21	—	—
332744	2009 TV_{14}	16.3	X	52.61647	72.99552	205.32250	5.30933	0.0966500	0.24028813	2.5624054	21	9 23.4	19.4
332745	2009 TZ_{19}	17.1	X	134.01730	314.12242	29.97544	1.80399	0.2621843	0.27675665	2.3320472	21	—	—
332746	2009 TW_{20}	17.4	X	136.42626	206.18423	110.77244	3.73126	0.1989115	0.27314812	2.3525412	21	—	—
332747	2009 TM_{23}	16.4	X	326.35579	139.61143	225.46793	5.30587	0.1141941	0.23701840	2.5859176	21	8 31.6	19.3
332748	2009 TF_{27}	16.0	X	235.50697	230.24488	172.00525	13.92573	0.0894670	0.22443140	2.6817213	21	6 18.3	20.2
332749	2009 TN_{27}	17.4	X	129.26677	206.91896	142.00487	5.11904	0.2606083	0.27683852	2.3315874	21	—	—
332750	2009 TY_{27}	15.9	X	186.48194	337.63469	85.27151	10.34763	0.1530164	0.21611532	2.7500822	21	5 23.3	20.4
332751	2009 TV_{46}	17.3	X	151.00601	45.49193	275.21806	3.36259	0.2434256	0.27679203	2.3318485	21	—	—
332752	2009 TO_{47}	16.0	X	323.09719	252.57233	246.74352	6.01822	0.1299034	0.18064192	3.0992530	21	—	—
332753	2009 TT_{47}	16.2	X	322.42513	255.81902	97.51408	12.59802	0.0780450	0.23626489	2.5914128	21	8 16.6	19.4
332754	2009 UY_{8}	17.6	X	134.11006	210.41456	113.00700	3.33474	0.1896710	0.27403135	2.3474835	21	—	—
332755	2009 UO_{17}	16.3	X	181.44571	41.33516	29.18689	5.59188	0.0702805	0.21832967	2.7314560	21	5 24.4	20.4
332756	2009 UW_{37}	16.7	X	34.04084	75.94991	83.89626	3.84089	0.0172264	0.20215331	2.8752933	21	3 13.7	20.6
332757	2009 UN_{46}	16.5	X	320.90306	282.84166	46.01402	15.11094	0.1795713	0.22991112	2.6389393	21	6 20.3	19.6
332758	2009 UM_{70}	16.9	X	52.93223	142.66488	82.39316	7.30708	0.1373569	0.22830870	2.6512727	21	7 18.6	20.0
332759	2009 UB_{77}	16.9	X	324.88166	121.42483	218.96131	13.36958	0.1033365	0.23451963	2.6042534	21	7 22.3	20.2
332760	2009 UQ_{81}	15.7	X	24.21898	28.75276	31.99132	10.33264	0.1063950	0.17888458	3.1195176	21	—	—
332761	2009 UK_{84}	16.9	X	106.00733	300.21386	155.19161	2.38535	0.0272285	0.20328341	2.8646270	21	3 24.9	20.9
332762	2009 US_{84}	16.8	X	280.18274	0.96689	55.13644	15.47930	0.2486570	0.23508206	2.6000980	21	8 15.3	20.5
332763	2009 UY_{84}	16.6	X	164.22760	259.81408	136.37036	2.92150	0.0754285	0.20406372	2.8573198	21	3 26.2	20.9
332764	2009 UQ_{86}	16.7	X	160.00908	43.18716	263.70581	6.14032	0.0767194	0.27040531	2.3684228	21	—	—
332765	2009 UR_{91}	15.6	X	331.62718	49.94831	52.98977	23.72186	0.1827028	0.17330791	3.1860834	21	—	—
332766	2009 UW_{102}	15.1	X	18.38384	209.03644	243.06981	18.88536	0.2848133	0.17834993	3.1257489	21	—	—
332767	2009 UB_{112}	16.4	X	301.38998	243.80930	55.81599	5.11525	0.0500460	0.21410118	2.7673028	21	5 2.9	20.1
332768	2009 UJ_{136}	17.3	X	163.96985	234.88002	89.36551	3.63214	0.2519532	0.27942251	2.3171908	21	—	—
332769	2009 UV_{137}	16.4	X	216.83967	328.90170	44.99265	10.59226	0.2086432	0.21439753	2.7647521	21	4 19.2	21.0
332770	2009 UQ_{140}	16.4	X	150.01781	128.47728	275.53545	6.53065	0.0888508	0.20223108	2.8745560	21	3 17.1	20.7
332771	2009 UG_{148}	16.7	X	259.25651	250.26159	68.53945	5.22788	0.0988796	0.20895134	2.8125868	21	3 31.9	20.8
332772	2009 VM	16.6	X	266.77177	25.18597	334.86160	5.74015	0.0431417	0.22373559	2.6872784	21	6 5.6	20.3
332773	2009 VQ_{12}	17.2	X	8.37991	274.07071	336.70949	1.21943	0.0219359	0.21941437	2.7224464	21	6 2.6	20.8
332774	2009 VM_{21}	17.0	X	13.97833	133.27073	182.09485	3.25191	0.1316638	0.23633825	2.5908765	21	9 19.6	19.7
332775	2009 VO_{24}	19.7	X	325.85976	343.55773	163.68157	6.05974	0.4623945	0.51221419	1.5470404	21	—	—
332776	2009 VY_{30}	16.0	X	301.77574	267.53434	270.24278	8.05244	0.0610615	0.18285322	3.0742156	21	—	—
332777	2009 VU_{32}	15.3	X	85.16235	24.36139	41.19493	10.32795	0.0809805	0.18987324	2.9979672	21	2 1.7	19.4
332778	2009 VK_{37}	16.1	X	181.30999	330.75451	51.17308	16.07188	0.1444762	0.20610552	2.8384176	21	4 4.2	20.8
332779	2009 VX_{37}	16.3	X	334.39391	297.70035	61.11563	9.24698	0.1499462	0.23686679	2.5870209	21	9 13.6	19.0
332780	2009 VZ_{37}	15.6	X	56.66940	13.45995	64.37972	17.75144	0.1345232	0.18541200	3.0458662	21	1 10.1	19.4
332781	2009 VF_{45}	15.4	X	86.01210	44.56210	26.24911	7.67057	0.0651959	0.19128668	2.9831807	21	2 6.3	19.5
332782	2009 VT_{47}	17.3	X	327.30514	213.81498	135.24868	3.24776	0.0936643	0.23260429	2.6185301	21	8 13.8	20.3
332783	2009 VC_{52}	17.3	X	140.90901	291.40406	80.38451	3.67380	0.1784454	0.27940324	2.3172973	21	1 28.8	20.3
332784	2009 VR_{62}	17.4	X	99.93782	317.73593	71.37162	2.42513	0.1884157	0.27234544	2.3571613	21	—	—
332785	2009 VG_{68}	16.9	X	125.85782	18.04466	274.43415	1.72312	0.0852506	0.25456844	2.4656590	21	—	—
332786	2009 VA_{77}	15.6	X	43.40153	342.85888	115.25991	12.56630	0.1918511	0.18731610	3.0251899	21	1 15.5	18.8
332787	2009 VS_{78}	15.7	X	331.34128	268.20849	91.98757	16.12960	0.1651907	0.23569959	2.5955546	21	9 11.1	18.6
332788	2009 VC_{81}	15.7	X	345.84530	235.53966	227.37233	13.57408	0.0676151	0.17731705	3.1378756	21	—	—
332789	2009 VT_{104}	16.3	X	345.15037	240.89920	110.61745	10.65946	0.1420040	0.23942164	2.5685841	21	9 25.1	19.0
332790	2009 WM_{2}	17.0	X	188.98121	254.49397	167.64537	2.84405	0.0971921	0.21787869	2.7352238	21	5 23.7	21.2
332791	2009 WJ_{9}	16.3	X	282.86765	280.65180	72.03226	7.74976	0.1204850	0.22355216	2.6887482	21	6 5.9	19.7
332792	2009 WO_{22}	16.8	X	321.51270	280.26358	96.04299	6.17176	0.2161133	0.23667599	2.5884111	21	9 3.6	19.1
332793	2009 WB_{28}	15.9	X	19.08716	206.03970	247.85137	8.96279	0.0708870	0.18097330	3.0954685	21	—	—
332794	2009 WB_{38}	16.8	X	9.19679	51.14470	269.20285	6.39649	0.2161876	0.23674355	2.5879186	21	9 24.5	19.2
332795	2009 WW_{41}	16.8	X	316.95286	182.89268	168.64721	4.78520	0.1925440	0.23277002	2.6172871	21	7 15.8	19.4
332796	2009 WD_{64}	16.9	X	310.07716	241.83061	61.32151	11.29202	0.1018440	0.21934968	2.7229816	21	5 12.1	20.3
332797	2009 WH_{64}	16.9	X	263.58210	149.79959	194.50055	4.23085	0.0804106	0.21390888	2.7689610	21	5 8.4	20.7
332798	2009 WR_{66}	17.2	X	333.98626	60.59634	201.63144	3.53168	0.0096458	0.21336274	2.7736841	21	5 2.9	20.9
332799	2009 WX_{70}	15.6	X	13.96171	258.87879	230.72070	10.83303	0.0202953	0.18843608	3.0131911	21	1 7.9	19.9
332800	2009 WU_{73}	15.9	X	76.88563	355.99870	72.98172	11.88156	0.0398320	0.18883342	3.0089628	21	1 18.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332801 2009 WF_{74}	16.5	X	223.15305	298.88318	88.31055	5.91939	0.1357264	0.21536252	2.7564871	21	5 13.9	20.9
332802 2009 WD_{75}	16.6	X	326.39088	196.20216	97.93932	6.08384	0.1370238	0.21923818	2.7239048	21	5 20.4	19.7
332803 2009 WP_{88}	15.7	X	41.03505	195.10310	235.03698	8.76022	0.0897194	0.17961104	3.1111004	21	—	—
332804 2009 WP_{89}	16.7	X	56.42554	189.78936	116.19142	5.10378	0.0490960	0.24004427	2.5641405	21	10 31.8	20.1
332805 2009 WO_{133}	15.6	X	337.15832	49.52520	73.76514	17.10681	0.0306420	0.17783669	3.1317600	21	—	—
332806 2009 WQ_{150}	16.3	X	283.54194	222.79468	98.74522	6.45345	0.0192040	0.21468344	2.7622969	21	5 13.9	20.1
332807 2009 WT_{156}	16.5	X	316.39186	83.94303	244.34667	14.81235	0.1489090	0.22727801	2.6592822	21	6 17.1	19.6
332808 2009 WD_{162}	15.8	X	219.23515	201.15592	56.47667	7.93516	0.1124785	0.18053137	3.1005180	21	—	—
332809 2009 WR_{166}	15.6	X	317.35771	283.70965	291.24505	8.54510	0.0309539	0.18231940	3.0802133	21	2 9.5	19.9
332810 2009 WS_{167}	16.3	X	214.76262	214.98910	90.39240	4.22129	0.0364854	0.19379939	2.9573390	21	1 30.3	20.6
332811 2009 WR_{171}	17.1	X	359.60813	31.33076	307.02852	3.87482	0.1609502	0.23976515	2.5661301	21	9 27.7	19.6
332812 2009 WQ_{181}	16.4	X	86.37959	57.81675	205.09104	8.04415	0.1316489	0.23959317	2.5673580	21	10 22.0	20.1
332813 2009 WX_{187}	15.9	X	319.84557	225.67728	49.52985	11.35253	0.1853881	0.21530089	2.7570132	21	4 9.1	19.3
332814 2009 WE_{195}	15.3	X	321.57861	67.43375	94.76902	11.79026	0.0562038	0.18189204	3.0850361	21	—	—
332815 2009 WV_{211}	15.8	X	276.30335	338.95116	227.31718	10.49283	0.0977847	0.18112199	3.0937741	21	—	—
332816 2009 WN_{228}	16.4	X	207.57480	305.74091	76.33169	7.36260	0.0537827	0.21221279	2.7836952	21	4 25.8	20.5
332817 2009 WC_{240}	17.2	X	249.75319	212.56053	123.46928	6.24331	0.1817770	0.29734279	2.2231279	21	3 27.9	20.6
332818 2009 WP_{250}	15.9	X	272.38567	176.02804	263.16974	13.77458	0.0644113	0.23520666	2.5991797	21	9 19.9	19.7
332819 2009 WQ_{252}	15.5	X	283.93804	131.13758	64.24233	19.03950	0.0881611	0.17863118	3.1224671	21	—	—
332820 2009 WQ_{257}	16.5	X	183.33943	294.55518	77.08259	9.64506	0.1172406	0.20048301	2.8912413	21	3 22.6	21.2
332821 2009 WU_{261}	15.8	X	286.77099	127.25152	105.32489	11.98087	0.0710564	0.18005310	3.1060062	21	1 22.7	20.3
332822 2009 WW_{261}	15.5	X	220.13634	35.89968	261.51308	14.80312	0.0765303	0.18999913	2.9966428	21	1 21.9	20.3
332823 2009 WP_{263}	15.5	X	118.28948	341.44300	74.99403	13.24996	0.0485054	0.19288764	2.9666509	21	3 2.0	19.9
332824 2009 XO_{16}	16.2	X	254.59480	135.56297	266.63879	4.15091	0.0816250	0.21724769	2.7405177	21	7 11.5	20.0
332825 2009 XZ_{16}	15.7	X	26.29528	324.71983	111.78805	6.80770	0.1665293	0.17179163	3.2048033	21	—	—
332826 2009 XG_{18}	16.6	X	222.75545	345.54412	86.02245	3.17446	0.0800033	0.21581634	2.7526215	21	7 12.6	20.6
332827 2009 YB_{15}	15.6	X	31.79211	323.41172	102.17259	19.83637	0.1137731	0.17008703	3.2261799	21	—	—
332828 2009 YN_{16}	15.3	X	63.24298	275.02704	129.38194	12.81994	0.0666992	0.17130354	3.2108880	21	—	—
332829 2010 AU_{1}	15.0	X	37.46373	318.15780	122.48613	19.63387	0.1682917	0.17360922	3.1823958	21	—	—
332830 2010 AA_{9}	15.5	X	135.75873	230.74122	132.27041	16.31666	0.1152045	0.17768391	3.1335550	21	1 21.5	20.2
332831 2010 AD_{18}	15.8	X	119.30209	264.98705	100.29015	11.63906	0.0772518	0.17781156	3.1320550	21	1 1.0	20.2
332832 2010 AT_{31}	15.2	X	331.70836	26.84349	136.70259	19.73942	0.0425364	0.16987989	3.2288019	21	—	—
332833 2010 AG_{43}	15.7	X	126.49963	287.14210	89.50536	12.32337	0.0851186	0.18156395	3.0887515	21	1 24.5	20.2
332834 2010 AP_{60}	15.9	X	97.66087	212.90761	262.36848	10.47682	0.0414479	0.19307085	2.9647739	21	4 6.9	20.2
332835 2010 AJ_{65}	15.3	X	98.12051	233.43074	133.78741	23.00790	0.1427554	0.16969284	3.2311742	21	—	—
332836 2010 AT_{69}	15.8	X	227.38375	345.69133	68.99692	7.54675	0.0360942	0.21240031	2.7820566	21	6 29.9	19.7
332837 2010 AY_{74}	16.2	X	247.24341	148.53210	296.45216	12.13186	0.1440898	0.22635708	2.6664902	21	8 16.9	20.1
332838 2010 AE_{79}	15.8	X	257.31202	138.23758	126.64629	12.17349	0.0644829	0.18047243	3.1011931	21	1 28.6	20.3
332839 2010 CP_{55}	15.1	X	85.76183	292.73887	137.55251	28.12885	0.1927262	0.18467492	3.0539653	21	2 22.8	19.1
332840 2010 DZ_{59}	15.6	X	333.65916	268.32757	214.22575	13.29693	0.1552278	0.17273965	3.1930669	21	—	—
332841 2010 EA_{6}	16.1	X	258.38323	79.19035	271.27086	8.66893	0.1343063	0.21421051	2.7663611	21	4 30.6	20.3
332842 2010 EP_{12}	16.8	X	104.17566	87.17988	271.57557	2.19935	0.0612375	0.24540911	2.5266336	21	—	—
332843 2010 EP_{21}	15.7	X	97.48721	76.91795	353.19028	4.41557	0.1114841	0.17641380	3.1485772	21	2 26.9	19.9
332844 2010 EW_{87}	16.5	X	237.89764	267.00082	297.52449	10.17501	0.2067318	0.23633609	2.5908923	21	—	—
332845 2010 EP_{112}	17.3	X	111.38295	100.43230	164.18779	4.12449	0.2299904	0.21546768	2.7555901	21	11 22.7	21.9
332846 2010 EW_{139}	16.7	X	39.06149	138.38447	243.95337	0.33383	0.0459820	0.23226904	2.6210491	21	—	—
332847 2010 FA_{30}	16.3	X	302.07945	306.91188	125.09727	2.55005	0.0835107	0.21917979	2.7243885	21	10 28.1	19.5
332848 2010 GC_{97}	16.8	X	292.51807	182.92483	137.98678	6.88842	0.1291316	0.26769797	2.3843646	21	5 4.9	19.9
332849 2010 HS_{56}	15.9	X	219.18938	223.47829	132.60681	17.56236	0.1306206	0.19446556	2.9505813	21	4 8.5	20.9
332850 2010 JK_{119}	16.8	X	93.15838	65.67106	218.18700	8.44179	0.1182788	0.20975691	2.8053811	21	11 19.3	21.0
332851 2010 MO_{59}	16.3	X	164.04937	329.59642	236.13850	3.67366	0.0528002	0.21862944	2.7289586	21	10 26.8	20.2
332852 2010 RZ_{3}	16.7	X	137.34430	202.34282	283.12054	9.97574	0.0879787	0.24673621	2.5175655	21	6 16.5	20.2
332853 2010 RL_{44}	17.0	X	281.17081	234.18670	177.93499	6.68924	0.0923903	0.26499026	2.4005796	21	8 31.2	19.9
332854 2010 RN_{71}	17.5	X	328.04683	89.78954	343.49057	4.74975	0.1293932	0.28306308	2.2972798	21	12 29.0	19.6
332855 2010 RX_{99}	18.2	X	308.47708	206.59726	203.24000	5.08829	0.1416561	0.26921588	2.3753937	21	10 8.9	20.3
332856 2010 SM_{34}	17.8	X	215.13906	94.47349	145.14454	5.99718	0.1228366	0.29902361	2.2147892	21	—	—
332857 2010 TJ_{169}	16.8	X	96.36816	226.11338	100.70240	7.64312	0.1622734	0.28764982	2.2727935	21	—	—
332858 2010 TX_{176}	16.6	X	277.86713	231.56595	225.96524	21.84851	0.2674547	0.26292581	2.4131292	21	9 26.2	19.7
332859 2010 UT_{24}	16.6	X	290.51871	87.71366	206.09335	3.05786	0.0841138	0.23528923	2.5985716	21	4 2.2	20.1
332860 2010 VY_{25}	17.7	X	13.01289	264.88371	228.28314	5.19867	0.0956791	0.29755856	2.2220530	21	—	—
332861 2010 VU_{90}	16.7	X	69.97016	75.01842	52.91701	11.61993	0.1929433	0.21463128	2.7627444	21	4 13.2	20.0
332862 2010 VS_{103}	17.9	X	289.46946	292.68240	217.62070	2.35358	0.1322552	0.27895301	2.3197900	21	—	—
332863 2010 VE_{178}	17.0	X	4.37134	147.00736	47.08454	3.49331	0.0173898	0.22199313	2.7013220	21	3 14.8	20.6
332864 2010 VK_{181}	16.9	X	112.91641	312.18076	222.36096	4.05735	0.2470240	0.23521978	2.5990831	21	8 7.2	21.1
332865 2010 VP_{191}	16.9	X	281.94767	37.15607	86.09306	7.80982	0.0588783	0.26529154	2.3987618	21	12 16.9	19.6
332866 2010 WG_{14}	18.1	X	131.54528	315.90812	122.98922	1.84970	0.0457877	0.31675550	2.1313426	21	3 24.5	20.4
332867 2010 WE_{17}	17.6	X	335.48616	140.12643	47.17910	6.76565	0.0663885	0.30194628	2.2004741	21	—	—
332868 2010 WM_{47}	17.9	X	342.57739	44.18851	67.14111	6.30981	0.1030405	0.28310495	2.2970533	21	—	—
332869 2010 WN_{58}	17.1	X	237.06244	326.81342	241.61787	6.52041	0.1729726	0.27928874	2.3179306	21	—	—
332870 2010 XP_{1}	16.7	X	133.32288	350.77436	173.73162	4.97429	0.1891505	0.24029000	2.5623921	21	8 9.4	20.8
332871 2010 XX_{16}	17.6	X	100.75411	336.33457	92.13440	6.06362	0.1027403	0.30108790	2.2046544	21	2 4.2	19.9
332872 2010 XX_{44}	16.2	X	350.96611	84.32147	67.74271	7.35853	0.1299966	0.19264217	2.9691705	21	—	—
332873 2010 XG_{77}	17.3	X	316.39572	219.67586	246.33587	5.93024	0.1154998	0.27470640	2.3436362	21	—	—
332874 2010 XN_{86}	17.1	X	247.79156	301.48345	267.95625	7.16962	0.0352941	0.28355002	2.2946490	21	—	—
332875 2011 AC_{1}	16.3	X	60.15751	31.24606	118.98258	10.39150	0.1188379	0.21109864	2.7934812	21	4 18.6	19.9
332876 2011 AQ_{6}	17.2	X	144.57082	183.06654	296.70888	1.18857	0.1524283	0.22801679	2.6535351	21	6 22.3	21.4
332877 2011 AL_{11}	16.6	X	0.74610	274.66427	114.44718	24.82919	0.1284229	0.35391341	1.9794204	21	—	—
332878 2011 AQ_{27}	16.5	X	219.84292	322.21422	291.77953	11.84633	0.2369662	0.27485889	2.3427693	21	—	—
332879 2011 AU_{27}	17.0	X	192.03045	9.41910	127.76052	3.71134	0.0738674	0.24213685	2.5493460	21	9 3.8	20.5
332880 2011 AL_{38}	17.6	X	233.44255	6.42769	115.44588	6.35124	0.0737988	0.25090840	2.4895790	21	10 6.6	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332881 2011 AQ_{41}	17.0	X	347.91631	235.11785	45.50770	5.20607	0.0592833	0.22740441	2.6582968	21	6 11.8	20.2
332882 2011 AK_{48}	16.7	X	190.55322	2.65610	124.64341	15.54965	0.0548793	0.23853685	2.5749318	21	8 21.6	20.4
332883 2011 AA_{49}	16.1	X	321.42438	141.23081	133.66662	9.59920	0.2549078	0.21107610	2.7936801	21	3 31.2	19.6
332884 2011 AG_{53}	16.4	X	71.54553	149.74080	112.06322	7.97820	0.1984417	0.23512444	2.5997856	21	10 15.7	20.2
332885 2011 AN_{53}	16.6	X	155.41494	348.16790	101.63110	6.18835	0.0848884	0.21923271	2.7239501	21	5 22.9	20.7
332886 2011 AH_{54}	17.5	X	217.31351	194.48856	103.22112	5.49086	0.1817795	0.29343847	2.2428041	21	1 7.5	20.8
332887 2011 AJ_{55}	17.3	X	39.38134	94.39635	105.65175	4.38778	0.1300091	0.21727042	2.7403265	21	5 19.7	20.3
332888 2011 AW_{61}	16.6	X	48.56502	110.45632	115.32182	7.39828	0.1278980	0.22484391	2.6784403	21	7 10.1	19.7
332889 2011 AH_{74}	15.7	X	57.71528	348.83821	73.27913	10.75409	0.0646163	0.19060862	2.9902514	21	—	—
332890 2011 AT_{76}	16.2	X	138.06034	348.08447	117.17584	11.13285	0.0272416	0.21714881	2.7413496	21	5 19.4	20.1
332891 2011 AU_{77}	17.1	X	200.23143	357.16367	106.14794	6.05903	0.1599601	0.23646945	2.5899180	21	7 25.0	21.1
332892 2011 BC_{11}	16.8	X	245.16560	328.45032	141.19819	7.45662	0.1235904	0.25034212	2.4933319	21	9 27.1	20.1
332893 2011 BP_{12}	16.0	X	271.39359	47.89690	131.75732	12.83883	0.1954402	0.17606477	3.1527370	21	—	—
332894 2011 BQ_{12}	15.9	X	48.05521	228.85833	287.66201	7.69808	0.0826193	0.20888014	2.8132259	21	3 25.4	19.6
332895 2011 BH_{13}	17.1	X	149.66426	227.07282	76.98831	7.28169	0.1873636	0.27523717	2.3406222	21	—	—
332896 2011 BW_{13}	15.9	X	21.67623	105.97214	114.44023	13.94271	0.0978915	0.21549551	2.7553529	21	5 19.1	19.4
332897 2011 BB_{25}	17.0	X	168.19542	348.61118	131.76641	7.09623	0.1066714	0.23256678	2.6188117	21	7 14.9	21.1
332898 2011 BM_{36}	17.0	X	161.91887	4.50782	143.91228	5.87670	0.0230737	0.23481325	2.6020821	21	8 12.4	20.6
332899 2011 BQ_{38}	16.0	X	206.92436	304.30459	163.15264	14.80865	0.0767182	0.23156883	2.6263301	21	8 9.3	19.9
332900 2011 BU_{44}	16.7	X	27.73294	359.84590	139.20485	3.03700	0.1277016	0.19616442	2.9335211	21	2 5.9	19.8
332901 2011 BA_{51}	15.7	X	7.46079	220.82011	281.32223	9.14465	0.0663223	0.19174544	2.9784206	21	1 12.6	19.6
332902 2011 BS_{54}	16.3	X	167.62887	14.02367	117.17342	14.62498	0.0838582	0.23256125	2.6188531	21	7 28.8	20.1
332903 2011 BA_{55}	16.1	X	340.99864	235.07226	126.44706	26.51369	0.0668350	0.24288897	2.5440805	21	10 6.3	19.7
332904 2011 BD_{56}	16.5	X	45.87839	85.13510	158.91322	8.55839	0.0787287	0.23044416	2.6348683	21	7 23.7	19.9
332905 2011 BQ_{63}	16.5	X	251.31317	306.70175	131.19332	15.45239	0.0203979	0.23759054	2.5817645	21	9 7.2	20.0
332906 2011 BM_{75}	17.1	X	162.27719	35.17372	305.43039	5.03709	0.1045845	0.28259839	2.2997975	21	1 2.4	20.1
332907 2011 BP_{78}	17.1	X	190.19496	129.08420	78.65516	2.07785	0.1293959	0.25629514	2.4545721	21	11 27.9	20.7
332908 2011 BR_{79}	17.8	X	274.40451	113.82926	59.80130	2.24199	0.1289255	0.26939039	2.3743677	21	—	—
332909 2011 BU_{84}	16.3	X	60.22518	212.55797	351.97764	12.65490	0.1177642	0.22068664	2.7119729	21	6 28.4	19.9
332910 2011 BA_{93}	16.6	X	82.81297	61.95753	250.91314	6.32557	0.0949187	0.25961943	2.4335742	21	12 19.2	20.0
332911 2011 BD_{101}	17.2	X	161.02017	305.92583	73.93404	7.01477	0.0967740	0.30087474	2.2056955	21	2 20.6	20.1
332912 2011 BO_{103}	16.3	X	290.20690	336.86863	185.36641	4.63476	0.1172852	0.17393614	3.1784069	21	—	—
332913 2011 BX_{103}	16.6	X	245.40486	189.29208	31.47528	0.41039	0.0896837	0.17761450	3.1343713	21	—	—
332914 2011 BR_{104}	16.6	X	26.05541	154.83002	158.01456	14.47985	0.1660129	0.23716528	2.5848498	21	10 16.6	19.7
332915 2011 BE_{112}	16.7	X	272.43571	314.65102	231.99872	2.01891	0.0816468	0.17386508	3.1792729	21	—	—
332916 2011 BA_{113}	17.3	X	310.65153	118.75605	208.42598	3.86200	0.0456266	0.22194948	2.7016761	21	6 22.1	20.8
332917 2011 BB_{116}	16.3	X	149.53068	325.00346	100.11113	6.88394	0.0386573	0.21390535	2.7689915	21	4 12.8	20.3
332918 2011 CH_{1}	15.6	X	262.18029	110.37439	111.90737	11.84913	0.0834341	0.18060148	3.0997156	21	—	—
332919 2011 CY_{1}	15.7	X	120.52352	311.05883	143.04424	13.71371	0.1434141	0.21130813	2.7916347	21	4 29.8	20.0
332920 2011 CW_{5}	17.4	X	14.67706	288.96541	126.16389	7.29005	0.0971358	0.26938882	2.3743769	21	—	—
332921 2011 CE_{9}	17.2	X	270.59721	237.77410	294.69590	5.63340	0.1122347	0.26790833	2.3831163	21	—	—
332922 2011 CN_{17}	15.1	X	190.56606	127.37288	130.84910	19.38794	0.1339425	0.17080193	3.2171714	21	—	—
332923 2011 CH_{20}	16.4	X	346.11517	180.54889	96.69453	6.07930	0.0730797	0.21966396	2.7203838	21	6 4.6	19.8
332924 2011 CT_{26}	16.3	X	250.45627	79.09751	135.25129	6.31255	0.1357504	0.17580629	3.1558265	21	—	—
332925 2011 CV_{33}	16.4	X	136.71272	33.78264	131.63110	14.33738	0.1116590	0.23299434	2.6156069	21	8 10.0	20.3
332926 2011 CT_{42}	16.0	X	339.55738	258.01991	266.37972	10.41688	0.1696267	0.18964813	3.0003391	21	—	—
332927 2011 CA_{48}	16.0	X	292.55469	73.18879	78.52458	6.09205	0.1493749	0.17478951	3.1680532	21	—	—
332928 2011 CN_{50}	16.2	X	172.07185	245.86495	292.18718	20.85014	0.2303407	0.23873119	2.5735342	21	9 17.2	21.1
332929 2011 CV_{59}	16.9	X	31.72299	133.65585	146.64249	11.02868	0.1362808	0.23098246	2.6307730	21	9 1.1	19.9
332930 2011 CV_{60}	16.6	X	347.09683	125.37369	149.59766	5.85414	0.0417105	0.21969158	2.7201558	21	6 5.3	20.1
332931 2011 CB_{72}	15.6	X	288.73934	118.31228	89.66042	11.27252	0.0376102	0.18659963	3.0329287	21	—	—
332932 2011 CD_{72}	15.8	X	274.43983	49.19931	136.44183	17.62568	0.1811725	0.17697197	3.1419533	21	—	—
332933 2011 CB_{73}	15.6	X	319.28739	87.38279	95.77873	11.44852	0.0582528	0.18740441	3.0242394	21	1 1.9	19.8
332934 2011 CP_{75}	15.4	X	249.63225	274.87721	278.38283	13.27992	0.0475648	0.17077704	3.2174840	21	—	—
332935 2011 CA_{79}	17.0	X	180.19988	171.84234	254.17468	2.72455	0.0857110	0.21902204	2.7256966	21	5 18.2	21.0
332936 2011 CT_{85}	15.7	X	305.88788	16.47805	194.68392	8.20212	0.1074973	0.18926945	3.0043397	21	1 10.7	20.1
332937 2011 CB_{87}	16.1	X	258.85471	340.27415	213.20759	1.20663	0.0885305	0.17286656	3.1915040	21	—	—
332938 2011 CK_{90}	16.7	X	324.81682	37.98401	176.54666	1.82739	0.0401277	0.19691994	2.9260130	21	2 16.3	20.5
332939 2011 CY_{92}	17.0	X	0.04185	72.39854	189.87438	6.35866	0.0183706	0.22014764	2.7163977	21	6 7.3	20.6
332940 2011 CH_{105}	16.8	X	263.65433	83.16095	244.27006	2.52792	0.0940899	0.20992673	2.8038679	21	4 13.8	20.9
332941 2011 DZ_{7}	16.0	X	113.93291	2.27713	39.14897	2.88371	0.0818574	0.18671145	3.0317176	21	2 6.9	20.2
332942 2011 DO_{10}	15.6	X	247.80291	97.78198	156.64028	17.48498	0.1639298	0.17488023	3.1669575	21	1 1.2	21.0
332943 2011 DJ_{13}	16.7	X	253.18922	180.40017	160.89870	8.85629	0.0801454	0.21490241	2.7604202	21	4 24.1	20.8
332944 2011 DK_{24}	16.6	X	159.93915	25.46224	73.71168	6.81037	0.0824247	0.22226675	2.6991046	21	6 7.6	20.5
332945 2011 DM_{28}	17.2	X	332.99238	265.30303	154.57565	6.67395	0.1105427	0.25804456	2.4434657	21	12 9.9	19.8
332946 2011 DY_{29}	16.0	X	37.23756	100.51666	154.44264	12.75162	0.1816849	0.22270794	2.6955387	21	8 9.2	19.0
332947 2011 DZ_{32}	16.0	X	42.79440	130.93788	344.74967	2.70109	0.0495289	0.19062275	2.9901036	21	1 30.7	19.9
332948 2011 DV_{36}	16.6	X	176.62453	173.96403	183.80015	2.64614	0.0942221	0.19447954	2.9504399	21	2 21.4	21.1
332949 2011 DP_{42}	15.3	X	351.58396	317.33709	137.75827	14.43975	0.0444905	0.16951851	3.2333891	21	—	—
332950 2011 DE_{43}	16.2	X	342.71959	315.96006	189.62270	3.32853	0.0738027	0.18236811	3.0796648	21	—	—
332951 2011 DU_{43}	16.3	X	0.86108	145.91041	160.96367	14.48027	0.0869385	0.22696822	2.6617015	21	8 8.9	19.5
332952 2011 DR_{50}	16.3	X	152.69411	358.72220	166.65085	15.29208	0.1866575	0.22845215	2.6501628	21	8 27.3	20.7
332953 2011 DF_{51}	15.4	X	10.49526	358.16400	119.37190	17.46662	0.1284946	0.18345440	3.0674957	21	—	—
332954 2011 EA_{4}	15.9	X	191.80545	137.33151	167.85661	11.00338	0.0597793	0.17841817	3.1249518	21	1 6.9	20.7
332955 2011 ET_{5}	16.9	X	167.52516	312.88882	148.87232	6.48974	0.0461150	0.22257258	2.6966315	21	6 18.6	20.8
332956 2011 EO_{9}	16.3	X	19.15705	126.09634	347.59290	7.60004	0.0257673	0.17956820	3.1115953	21	—	—
332957 2011 EA_{10}	16.4	X	330.59976	178.22376	161.73859	8.97006	0.1285051	0.23363505	2.6108228	21	8 1.7	19.3
332958 2011 EX_{10}	15.5	X	204.19215	151.85264	159.40323	17.40213	0.0518961	0.18646902	3.0343448	21	1 24.9	20.3
332959 2011 EV_{15}	15.4	X	230.32849	131.79417	142.07540	12.40016	0.2206594	0.17865167	3.1222284	21	1 6.0	20.8
332960 2011 EZ_{15}	17.1	X	322.40280	123.91701	355.71984	6.31510	0.1498603	0.26664849	2.3906168	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
332961 2011 EM_{28}	16.0	X	45.30142	346.52311	163.09510	11.26603	0.0424765	0.19212332	2.9745139	21	3 17.5	19.8
332962 2011 EA_{40}	16.2	X	359.06833	46.56160	125.83712	6.01178	0.0860455	0.18612061	3.0381304	21	2 8.2	19.9
332963 2011 ED_{42}	15.8	X	315.40228	11.04172	155.75340	9.69259	0.0589077	0.17763937	3.1340787	21	—	—
332964 2011 EH_{53}	15.7	X	41.59437	273.69424	160.89123	14.66816	0.1068602	0.17276657	3.1927352	21	—	—
332965 2011 EQ_{59}	16.0	X	199.40364	256.73295	47.82752	10.32446	0.1583745	0.18083128	3.0970889	21	1 18.4	21.2
332966 2011 EX_{73}	15.4	X	249.26170	160.40677	64.65782	8.69874	0.0944321	0.17725432	3.1386158	21	—	—
332967 2011 EV_{74}	15.8	X	1.67560	309.43914	177.24900	14.53662	0.0277671	0.17748372	3.1359108	21	—	—
332968 2011 EM_{75}	16.8	X	153.65827	133.53723	65.19120	4.52346	0.0773492	0.24060044	2.5601875	21	10 11.3	20.6
332969 2011 EZ_{80}	15.7	X	353.47805	305.37464	166.14429	9.61872	0.0649683	0.17452194	3.1712905	21	—	—
332970 2011 ER_{81}	16.1	X	347.07945	104.46336	350.58845	10.40883	0.0366486	0.16941731	3.2346766	21	—	—
332971 2011 EH_{84}	16.2	X	275.51418	75.51988	174.80961	15.91085	0.0286308	0.18442978	3.0566709	21	2 1.6	20.8
332972 2011 FY_{1}	15.8	X	355.19944	211.32494	83.70964	10.19027	0.0913098	0.21877803	2.7277229	21	7 14.8	19.0
332973 2011 FG_{3}	16.1	X	292.51328	142.33544	156.13035	15.62529	0.1407063	0.20493154	2.8492475	21	4 10.4	20.2
332974 2011 FK_{3}	17.4	X	336.68838	55.59129	190.89440	5.87562	0.1935341	0.29536248	2.2330537	21	3 5.9	19.8
332975 2011 FR_{4}	16.4	X	48.34935	92.83415	25.31328	14.22112	0.1857561	0.19270828	2.9684914	21	2 26.6	19.8
332976 2011 FG_{6}	15.2	X	289.48853	91.16115	104.70200	9.06727	0.1142278	0.17404734	3.1770530	21	—	—
332977 2011 FL_{9}	15.9	X	232.73358	122.00690	164.93249	9.90028	0.1087232	0.17723293	3.1388683	21	1 25.6	21.0
332978 2011 FR_{10}	15.8	X	298.73171	64.14087	166.76003	6.33786	0.1533002	0.18468918	3.0538081	21	1 21.3	20.3
332979 2011 FE_{17}	15.7	X	336.21504	307.14574	183.10554	16.52104	0.2005989	0.17680516	3.1439292	21	—	—
332980 2011 FJ_{29}	15.1	X	13.75473	303.51475	159.31758	15.39939	0.0245888	0.17103575	3.2142387	21	—	—
332981 2011 FY_{36}	16.2	X	140.91411	177.49832	161.06141	6.73873	0.0433827	0.17392785	3.1785079	21	—	—
332982 2011 FM_{43}	15.6	X	224.19241	102.44822	177.95652	11.09836	0.0161894	0.17972544	3.1097801	21	1 12.0	20.3
332983 2011 FZ_{45}	16.2	X	68.44941	46.58886	118.82493	3.15685	0.0164622	0.20037963	2.8922356	21	5 4.7	20.2
332984 2011 FG_{67}	15.4	X	356.78709	74.50068	31.91304	13.17677	0.0461739	0.17275949	3.1928225	21	—	—
332985 2011 FJ_{68}	16.2	X	136.40980	302.67108	72.02497	6.11999	0.1658471	0.18531195	3.0469624	21	2 11.7	20.9
332986 2011 FY_{75}	16.1	X	52.86979	279.18022	176.84055	10.05991	0.0526574	0.18519581	3.0482362	21	1 19.2	20.3
332987 2011 FZ_{75}	16.1	X	320.08942	135.80612	177.46107	13.42909	0.1961881	0.21220658	2.7837495	21	5 28.9	19.6
332988 2011 FR_{89}	15.2	X	322.53012	39.49251	140.44422	13.25648	0.0135728	0.18156433	3.0887471	21	1 8.9	19.6
332989 2011 FP_{127}	15.4	X	271.71728	129.08142	68.82049	9.63607	0.0416476	0.17497348	3.1658322	21	—	—
332990 2011 FQ_{128}	17.7	X	218.71703	14.63846	257.67388	0.53799	0.1745042	0.27130173	2.3632029	21	—	—
332991 2011 FX_{147}	16.2	X	339.60062	209.74764	342.80388	5.56795	0.1192660	0.19085066	2.9877226	21	2 1.3	20.0
332992 2011 FK_{154}	16.0	X	246.69779	58.57111	187.89801	10.42815	0.0740342	0.17073307	3.2180364	21	—	—
332993 2011 GK_{9}	16.0	X	28.41097	60.83405	134.49650	11.48700	0.0818816	0.20153764	2.8811460	21	4 26.3	19.8
332994 2011 GE_{37}	15.0	X	60.25776	268.78390	154.64329	21.91895	0.1343740	0.17495846	3.1660135	21	—	—
332995 2011 GM_{63}	15.3	X	267.42402	107.44098	114.55648	18.22494	0.1136358	0.17256552	3.1952146	21	—	—
332996 2011 GX_{64}	15.4	X	331.36944	80.47224	85.36370	10.21048	0.0468404	0.17494240	3.1662071	21	—	—
332997 2011 GF_{66}	15.9	X	317.69832	347.71922	249.27958	6.83477	0.1024324	0.18824048	3.0152780	21	2 24.9	20.2
332998 2011 GA_{67}	15.1	X	239.67762	124.67154	142.11465	16.31726	0.0589825	0.17523687	3.1626591	21	1 12.9	20.0
332999 2011 HV_{4}	15.9	X	100.98808	322.85999	115.60430	11.03010	0.0677301	0.18593245	3.0401797	21	3 8.9	20.2
333000 2011 HL_{37}	15.9	X	163.14912	246.34898	170.08595	9.75837	0.0795818	0.19439643	2.9512808	21	4 21.5	20.4
333001 2011 HB_{38}	15.6	X	307.71398	5.31468	175.68152	10.22140	0.0328261	0.16783704	3.2549489	21	—	—
333002 2011 HW_{53}	16.8	X	83.73528	297.55897	70.26955	16.56295	0.1219189	0.25603553	2.4562311	21	—	—
333003 2011 HP_{58}	16.2	X	238.14052	213.46915	169.31928	11.45064	0.0988634	0.20341459	2.8633953	21	5 28.2	20.7
333004 2011 HJ_{69}	15.9	X	201.48477	261.91579	51.30516	2.94535	0.1019222	0.17528023	3.1621375	21	1 29.0	20.8
333005 2011 JV_{15}	15.8	X	280.51505	74.47301	165.57351	17.31716	0.0612165	0.17737467	3.1371959	21	1 23.9	20.6
333006 2011 KK_{24}	15.8	X	166.69979	275.47090	87.28139	10.62079	0.1001654	0.17398536	3.1778074	21	2 25.2	20.8
333007 2011 LT_{25}	15.4	X	267.03145	70.04660	261.45505	10.14771	0.0892359	0.19214449	2.9742954	21	4 23.1	19.9
333008 2011 LN_{28}	16.9	X	106.09462	43.10012	260.88683	4.09175	0.1508566	0.22116752	2.7080405	21	12 29.5	21.2
333009 2011 OU_{3}	16.6	X	134.50727	55.20734	199.35457	3.05759	0.1080795	0.22270642	2.6955510	21	11 26.5	20.7
333010 2011 OJ_{4}	16.6	X	149.89504	137.11523	239.08295	2.69695	0.2506071	0.25112251	2.4881638	21	2 22.4	20.6
333011 2011 OB_{55}	17.1	X	119.30559	191.69472	122.38289	4.10594	0.1844255	0.23215870	2.6218796	21	—	—
333012 2011 PP_{7}	16.7	X	185.85224	235.43340	325.59880	6.96830	0.1560008	0.21558056	2.7546282	21	11 5.6	21.2
333013 2011 PY_{11}	15.9	X	282.18163	193.92509	162.00439	10.66640	0.0943307	0.18842527	3.0133063	21	6 15.4	20.2
333014 2011 QA_{2}	18.3	X	159.86366	123.51311	191.73261	1.77974	0.2123379	0.23941959	2.5685987	21	—	—
333015 2011 QQ_{11}	16.6	X	133.55349	55.56903	296.90871	13.57810	0.1915182	0.23918703	2.5702634	21	1 5.3	20.2
333016 2011 QY_{14}	16.7	X	224.98524	259.36350	341.72715	4.97992	0.1040028	0.23890495	2.5722862	21	—	—
333017 2011 QG_{26}	16.1	X	143.81921	305.17221	320.17181	12.12824	0.2419400	0.22815840	2.6524370	21	12 18.9	20.9
333018 2011 QE_{28}	17.4	X	224.00630	327.38759	333.18932	1.82974	0.2069300	0.25552069	2.4595293	21	1 22.4	21.5
333019 2011 QT_{60}	16.8	X	54.91858	264.78541	248.86324	5.65531	0.0372515	0.26216344	2.4178052	21	3 21.5	19.8
333020 2011 QC_{62}	16.8	X	327.89212	247.56346	263.05659	3.36463	0.0225023	0.23500525	2.6006645	21	—	—
333021 2011 QU_{64}	16.1	X	164.36982	294.30671	337.50094	10.97097	0.1663991	0.22924592	2.6440418	21	—	—
333022 2011 QB_{79}	16.7	X	168.14956	106.12679	150.12628	3.74228	0.0861934	0.22681144	2.6629279	21	—	—
333023 2011 RN_{1}	17.6	X	228.09098	114.78086	205.78747	2.01144	0.2057809	0.25904474	2.4371721	21	2 17.0	21.6
333024 2011 RK_{13}	17.2	X	199.55928	204.43883	173.87138	7.04189	0.1500361	0.26034575	2.4290459	21	4 6.3	20.9
333025 2011 RW_{14}	16.5	X	354.49466	255.46429	213.40857	8.72850	0.1072398	0.23248054	2.6194592	21	—	—
333026 2011 RR_{18}	18.1	X	172.66805	205.19300	146.89421	1.63645	0.1060702	0.24631777	2.5204160	21	2 4.2	21.9
333027 2011 SC_{12}	16.0	X	129.15231	325.82466	347.95270	13.06614	0.2546468	0.23090350	2.6313728	21	—	—
333028 2011 SL_{29}	17.4	X	245.80417	335.22355	356.93098	1.02252	0.1993677	0.26387019	2.4073681	21	3 18.6	21.1
333029 2011 SK_{32}	17.6	X	330.82842	352.97621	281.46345	2.47195	0.1155621	0.26991992	2.3712614	21	4 24.6	20.2
333030 2011 SR_{32}	17.7	X	173.64431	205.14845	189.18184	1.28104	0.1885118	0.25753401	2.4466940	21	4 2.9	21.6
333031 2011 SX_{42}	16.3	X	216.32563	241.01333	356.66922	11.09955	0.1452622	0.23234652	2.6204664	21	—	—
333032 2011 SC_{65}	16.8	X	304.23915	266.44998	276.10780	6.75685	0.0300465	0.23831761	2.5765107	21	—	—
333033 2011 SO_{66}	17.5	X	251.84522	127.18239	208.45566	2.53991	0.1921927	0.26566645	2.3965044	21	3 28.3	21.1
333034 2011 SL_{72}	17.5	X	15.58812	240.97172	205.56592	3.75202	0.0698686	0.22802305	2.6534865	21	—	—
333035 2011 SX_{90}	17.1	X	191.93231	44.99448	250.29273	1.92056	0.0982979	0.23500564	2.6006617	21	—	—
333036 2011 SC_{91}	17.2	X	223.69217	331.85719	13.62642	5.31309	0.1277636	0.25706394	2.4496758	21	3 19.4	20.8
333037 2011 SX_{91}	17.0	X	246.02870	125.83498	217.94141	6.23797	0.1328056	0.26240630	2.4163131	21	4 6.2	20.4
333038 2011 SM_{103}	17.6	X	189.07723	245.35176	141.38694	3.72393	0.2116206	0.25842723	2.4410529	21	4 8.9	21.6
333039 2011 SZ_{106}	17.0	X	250.81572	172.11898	169.80256	2.60414	0.1955009	0.26630241	2.3926875	21	4 5.0	20.8
333040 2011 SF_{115}	17.1	X	176.84954	281.14915	154.60332	5.24796	0.2544595	0.26447262	2.4037110	21	5 30.3	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333041 2011 SY_{115}	17.8	X	114.67187	205.02694	209.24948	14.00942	0.2500502	0.24384565	2.5374220	21	3 4.9	21.6
333042 2011 SW_{119}	17.1	X	180.96426	355.20174	43.73744	3.41582	0.1826876	0.25885562	2.4383590	21	4 15.4	21.1
333043 2011 SU_{129}	18.2	X	168.01492	343.50466	99.80678	2.23747	0.1819665	0.26214189	2.4179377	21	5 29.8	22.0
333044 2011 SP_{131}	17.2	X	224.59062	220.05347	54.75161	6.00181	0.1817875	0.24112835	2.5564494	21	—	—
333045 2011 SE_{134}	17.2	X	175.51747	238.28211	187.69649	4.77393	0.1508159	0.26286421	2.4135062	21	5 14.0	21.0
333046 2011 SQ_{135}	16.9	X	181.32870	273.52344	10.03072	11.56598	0.3164543	0.23905333	2.5712217	21	—	—
333047 2011 SL_{144}	17.7	X	183.06766	263.09257	164.78322	4.62494	0.2109066	0.26482662	2.4015684	21	5 24.7	21.8
333048 2011 SS_{164}	16.4	X	348.41325	107.24836	31.82769	9.20897	0.1530726	0.22707624	2.6608573	21	—	—
333049 2011 SP_{168}	17.5	X	310.81472	78.44533	221.71499	1.85755	0.1883013	0.27318619	2.3523227	21	4 18.1	20.0
333050 2011 SA_{174}	16.9	X	84.57694	227.23974	184.17873	11.61787	0.0734689	0.23520669	2.5991795	21	—	—
333051 2011 SA_{185}	17.1	X	31.51331	32.36038	91.40976	4.47847	0.1760502	0.23180754	2.6245268	21	1 11.2	19.5
333052 2011 SQ_{185}	17.1	X	159.09304	216.55333	103.55525	4.00525	0.2244853	0.23318188	2.6142042	21	—	—
333053 2011 SV_{185}	17.5	X	159.72750	8.59563	315.39281	1.96302	0.1352177	0.23488839	2.6015271	21	—	—
333054 2011 SK_{200}	17.1	X	172.25297	259.60780	27.78937	4.82634	0.1429900	0.23465199	2.6032740	21	—	—
333055 2011 SC_{223}	17.3	X	102.77911	138.96725	237.38198	1.23069	0.0733986	0.23148689	2.6269498	21	—	—
333056 2011 SE_{226}	16.4	X	249.97309	300.88025	248.51761	8.15013	0.1528466	0.21766640	2.7370021	21	—	—
333057 2011 SO_{234}	16.7	X	44.20016	260.66446	190.02394	13.39477	0.1257180	0.23486597	2.6016926	21	—	—
333058 2011 SD_{255}	16.4	X	18.63107	124.59092	273.57844	2.80674	0.1009750	0.21391964	2.7688682	21	—	—
333059 2011 SG_{261}	17.7	X	295.04649	283.45766	12.06923	1.04663	0.1898504	0.26707678	2.3880603	21	3 22.4	20.9
333060 2011 TF	16.6	X	268.52512	40.80112	175.61183	8.40914	0.0680786	0.23423808	2.6063399	21	—	—
333061 2011 TD_{13}	17.7	X	198.15459	72.60592	289.15135	1.56277	0.1979671	0.25770395	2.4456183	21	3 14.4	21.8
333062 2011 TZ_{14}	16.1	X	171.00766	307.96630	67.67987	10.01401	0.2388380	0.25302165	2.4756976	21	3 17.1	20.4
333063 2011 UQ_{9}	16.8	X	310.40885	282.49638	221.69184	3.39175	0.0266903	0.21608576	2.7503330	21	—	—
333064 2011 UG_{15}	17.0	X	218.94763	280.89477	48.90805	7.59852	0.2007702	0.25367379	2.4714528	21	2 25.7	21.2
333065 2011 UX_{17}	17.3	X	210.52341	193.89874	237.79438	1.89140	0.1381621	0.27085805	2.3657829	21	6 24.6	20.9
333066 2011 UP_{21}	16.7	X	277.47872	332.20429	308.81681	5.88557	0.0781540	0.25707508	2.4496050	21	2 24.8	20.2
333067 2011 UE_{27}	18.0	X	165.88230	301.75320	131.26642	1.86649	0.1692384	0.25729054	2.4482372	21	5 14.5	21.9
333068 2011 UM_{36}	17.7	X	151.08163	311.02056	158.00627	2.61034	0.1935734	0.25821253	2.4424059	21	6 16.9	21.5
333069 2011 US_{46}	17.2	X	250.34087	192.69940	283.60713	3.76111	0.0517369	0.29476956	2.2360472	21	10 26.5	19.8
333070 2011 UK_{48}	16.7	X	311.76169	205.10511	31.25968	5.05646	0.1024434	0.24502503	2.5292732	21	2 11.8	20.0
333071 2011 UZ_{49}	17.3	X	235.56611	273.97548	42.90384	4.83679	0.2093449	0.25248871	2.4791801	21	2 22.3	21.5
333072 2011 UJ_{53}	17.3	X	315.86750	67.80585	245.90081	5.13478	0.1128391	0.26995356	2.3710644	21	5 30.1	19.7
333073 2011 UA_{59}	17.5	X	105.99851	30.24350	49.03794	5.73798	0.1631680	0.24600294	2.5225659	21	3 20.6	20.7
333074 2011 UP_{65}	17.6	X	105.13477	281.44313	139.08615	4.08056	0.1581094	0.24261750	2.5459779	21	2 19.9	20.7
333075 2011 UV_{71}	16.5	X	69.79236	337.27325	243.72140	5.39527	0.1497504	0.27692212	2.3311182	21	8 8.5	19.3
333076 2011 UL_{80}	16.8	X	3.17203	285.06760	240.75262	4.58240	0.0684492	0.23717298	2.5847938	21	1 24.9	20.1
333077 2011 UW_{98}	16.9	X	136.45371	228.82753	237.59358	13.88492	0.1016874	0.25789730	2.4443957	21	5 21.4	20.3
333078 2011 UN_{108}	15.2	X	245.58883	115.54117	290.97418	24.30332	0.1531684	0.17503921	3.1650397	21	6 30.2	20.1
333079 2011 UP_{112}	17.3	X	60.49211	286.93976	213.98996	5.28759	0.1778898	0.24138399	2.5546441	21	4 3.2	19.9
333080 2011 UE_{119}	18.2	X	230.61450	350.39437	356.05432	0.85414	0.1992580	0.26071227	2.4267688	21	3 23.3	22.2
333081 2011 UM_{122}	17.5	X	157.99769	338.22997	79.40513	4.17395	0.1725288	0.25633066	2.4543454	21	4 18.5	21.2
333082 2011 UT_{126}	17.0	X	180.75094	228.36163	243.62551	4.52387	0.1760170	0.26839462	2.3802369	21	7 16.7	20.8
333083 2011 UT_{129}	17.2	X	150.26067	137.18654	42.74843	7.79891	0.0433254	0.27978702	2.3151777	21	9 17.7	20.3
333084 2011 UH_{131}	16.9	X	97.35613	218.37643	28.39449	6.43312	0.1514031	0.28813527	2.2702400	21	10 20.8	20.2
333085 2011 UM_{131}	17.7	X	208.38346	36.10180	242.07506	2.26450	0.0794618	0.23964817	2.5669651	21	—	—
333086 2011 UU_{161}	18.1	X	230.16411	54.31881	18.83467	4.02135	0.1966828	0.27297285	2.3535481	21	7 13.3	21.8
333087 2011 UK_{164}	17.0	X	321.21772	202.94860	157.85058	7.52933	0.1331799	0.28370701	2.2938024	21	8 19.9	19.0
333088 2011 UM_{166}	17.9	X	200.97654	282.56075	171.55354	1.03437	0.1535553	0.26823795	2.3811636	21	7 13.9	21.6
333089 2011 UD_{175}	17.2	X	18.65671	326.29447	320.02067	5.04715	0.1579326	0.28271633	2.2991578	21	8 23.3	19.2
333090 2011 UE_{179}	15.3	X	356.44955	223.38666	76.11444	11.41719	0.2100892	0.17740546	3.1368330	21	7 22.9	18.6
333091 2011 UX_{222}	17.3	X	92.24106	357.03347	33.20006	5.76079	0.0393873	0.23001087	2.6381763	21	—	—
333092 2011 UG_{225}	17.3	X	307.60449	170.71674	98.62405	2.47589	0.1635359	0.26137091	2.4226902	21	3 8.9	20.3
333093 2011 UN_{238}	17.1	X	3.82381	309.32699	333.22236	1.53587	0.1841099	0.27579514	2.3374643	21	7 14.9	18.8
333094 2011 UU_{239}	17.4	X	170.54084	150.66608	44.24555	5.73418	0.0982342	0.29056180	2.2575829	21	10 28.9	20.5
333095 2011 UA_{246}	16.6	X	356.56313	192.30259	73.28397	7.48159	0.0858080	0.26637954	2.3922256	21	6 1.5	19.0
333096 2011 UC_{248}	17.6	X	142.32120	306.07341	210.82955	1.60706	0.1120873	0.26927921	2.3750212	21	8 5.3	20.9
333097 2011 UT_{248}	18.1	X	182.75486	234.28983	200.38544	1.04303	0.1655422	0.26001873	2.4310821	21	5 31.9	21.9
333098 2011 UA_{274}	17.4	X	113.75194	223.79718	286.40553	3.68165	0.1115321	0.26502849	2.4003487	21	6 23.9	20.7
333099 2011 UT_{274}	16.6	X	90.97632	349.77435	351.09021	3.22489	0.0992456	0.21427355	2.7658185	21	—	—
333100 2011 UL_{283}	17.7	X	226.16714	260.81874	160.73959	3.18838	0.1673885	0.27063339	2.3670919	21	6 25.3	21.2
333101 2011 UE_{298}	17.7	X	185.86531	249.80441	87.21971	2.83240	0.1418176	0.24168280	2.5525380	21	2 2.8	21.7
333102 2011 UZ_{298}	16.9	X	108.60455	35.94794	220.01079	3.76330	0.1461161	0.29503921	2.2346845	21	11 13.9	20.0
333103 2011 UY_{307}	17.3	X	153.92498	134.34584	305.39804	7.20232	0.1846314	0.25479473	2.4641989	21	5 9.8	21.3
333104 2011 UF_{308}	17.3	X	314.03558	165.30473	168.74049	6.82900	0.1335058	0.27732575	2.3288557	21	6 23.6	19.9
333105 2011 UU_{309}	17.8	X	84.25391	50.55623	59.18137	2.34120	0.1006939	0.24504003	2.5291700	21	3 19.7	20.7
333106 2011 UG_{311}	18.0	X	177.05420	222.74450	239.78240	1.58528	0.1469417	0.26673192	2.3901183	21	7 1.4	21.7
333107 2011 US_{353}	17.7	X	19.77243	303.13697	346.06427	2.75104	0.1422352	0.28268541	2.2993255	21	8 29.1	19.6
333108 2011 UZ_{355}	17.3	X	69.91662	356.36977	92.11226	2.93959	0.1301481	0.23651108	2.5896141	21	1 31.9	20.1
333109 2011 UB_{363}	17.1	X	53.08001	58.14554	23.70634	2.12265	0.0501244	0.22951519	2.6419733	21	—	—
333110 2011 UZ_{384}	16.9	X	338.06540	6.58008	292.10109	5.52636	0.1472809	0.27265941	2.3553515	21	6 11.9	19.0
333111 2011 UD_{389}	15.8	X	351.14855	5.87431	356.74948	8.88598	0.0831829	0.19152988	2.9806548	21	10 5.1	19.4
333112 2011 UX_{390}	16.5	X	208.23507	216.65044	116.77247	9.90080	0.1042095	0.24672576	2.5176367	21	2 19.5	20.3
333113 2011 UX_{394}	17.4	X	357.11271	341.90281	305.60344	1.51402	0.1681988	0.27978567	2.3151852	21	7 5.9	18.8
333114 2011 UB_{397}	16.8	X	239.06452	257.57129	60.73021	6.80191	0.0920101	0.25480178	2.4641534	21	3 5.4	20.5
333115 2011 UE_{401}	17.3	X	38.03164	282.77566	53.48450	7.18530	0.1644656	0.30302496	2.1952490	21	12 13.7	19.8
333116 2011 VH_{18}	17.0	X	129.94078	63.91939	169.24609	7.25212	0.0746537	0.29470732	2.2363620	21	11 5.4	20.0
333117 2011 WO_{1}	17.3	X	200.59112	349.97703	79.39286	2.87028	0.1636262	0.26225568	2.4172382	21	6 10.7	21.1
333118 2011 WW_{1}	17.3	X	8.04433	326.62347	69.97439	8.97093	0.1833721	0.30371354	2.1919296	21	—	—
333119 2011 WF_{7}	17.8	X	297.36962	337.44771	334.99772	0.77987	0.1930138	0.26634477	2.3924338	21	4 16.4	20.6
333120 2011 WN_{7}	17.8	X	290.46639	303.33921	23.22257	1.63659	0.1499413	0.26720769	2.3872803	21	5 3.6	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333121 2011 WN_{10}	15.9	X	16.36812	227.21441	63.76343	6.79955	0.1290568	0.17652335	3.1472744	21	8 17.3	19.7
333122 2011 WP_{12}	18.3	X	179.07005	63.96634	52.25987	2.18971	0.1316150	0.26837156	2.3803732	21	7 22.4	21.9
333123 2011 WW_{48}	17.1	X	234.64877	235.98431	202.42734	7.17684	0.0852386	0.27501227	2.3418981	21	8 3.6	20.4
333124 2011 WA_{49}	16.2	X	285.14299	297.13444	256.99369	13.40780	0.0542048	0.22253696	2.6969193	21	—	—
333125 2011 WT_{52}	17.9	X	154.38311	221.66430	184.78969	4.46313	0.1552579	0.24684090	2.5168537	21	3 29.7	21.6
333126 2011 WY_{56}	15.9	X	277.79912	116.11454	203.82511	4.94090	0.0633564	0.15435570	3.4418156	21	5 1.4	20.8
333127 2011 WB_{72}	15.6	X	72.69156	10.90850	276.47731	8.82508	0.0759417	0.18587504	3.0408056	21	10 18.9	20.1
333128 2011 WD_{76}	17.2	X	271.60439	234.63455	173.45263	4.02750	0.2366069	0.27914705	2.3187149	21	7 18.9	20.2
333129 2011 WE_{81}	18.0	X	193.28890	257.72682	217.61395	1.65159	0.1721715	0.27087374	2.3656915	21	8 2.4	21.8
333130 2011 WR_{83}	16.1	X	215.65008	230.98032	75.01482	14.75564	0.1023705	0.23499190	2.6007630	21	1 26.5	20.3
333131 2011 WW_{87}	16.6	X	314.78300	335.00464	212.87339	5.65325	0.0845654	0.22374744	2.6871835	21	—	—
333132 2011 WR_{98}	18.2	X	190.95012	40.43971	82.29023	2.27805	0.1357839	0.27153389	2.3618556	21	8 12.7	21.8
333133 2011 WT_{117}	17.3	X	259.62035	259.12702	85.20899	6.70239	0.1838478	0.26463188	2.4027464	21	4 20.3	20.9
333134 2011 WY_{123}	17.6	X	174.71361	33.32695	95.89503	5.04241	0.0828817	0.27043887	2.3682269	21	8 5.1	20.8
333135 2011 WR_{144}	18.3	X	203.87036	12.92349	90.36297	2.44823	0.1422721	0.27075383	2.3663900	21	7 30.4	21.8
333136 2011 WA_{145}	17.2	X	180.68326	304.46048	281.29692	4.79405	0.1380038	0.29773805	2.2211599	21	12 16.8	20.3
333137 2011 YO_{2}	17.8	X	153.98454	153.21885	348.71657	2.24589	0.1211586	0.26504698	2.4002371	21	7 30.3	21.3
333138 2011 YW_{4}	17.0	X	278.08568	350.11997	93.51155	10.78962	0.1775858	0.27934201	2.3176359	21	10 7.2	19.6
333139 2011 YM_{8}	17.7	X	262.66353	255.22548	212.64108	1.29329	0.1465730	0.28373116	2.2936722	21	10 16.9	20.1
333140 2011 YY_{46}	17.2	X	167.82902	187.36765	85.52882	7.11295	0.1749418	0.29847222	2.2175161	21	—	—
333141 2011 YH_{53}	17.5	X	303.52253	282.70424	133.60984	4.44844	0.1709249	0.28393648	2.2925664	21	10 11.3	19.4
333142 2011 YU_{63}	17.5	X	275.73857	13.68931	53.56139	4.65428	0.1904029	0.27903301	2.3193466	21	9 2.3	20.2
333143 2012 AK_{11}	17.7	X	256.35634	243.14403	226.67111	3.33101	0.1035844	0.28179798	2.3041503	21	10 16.6	20.3
333144 2012 AE_{12}	17.1	X	359.28082	137.60567	263.50798	9.40379	0.0548345	0.29303337	2.2448707	21	12 28.9	19.6
333145 2012 AR_{15}	17.4	X	142.09441	274.09843	4.04195	5.40547	0.1441318	0.29673857	2.2261447	21	—	—
333146 2012 AH_{20}	17.9	X	241.40238	88.08118	357.11675	2.62700	0.2005885	0.27305074	2.3531005	21	8 9.9	21.2
333147 2012 BP	16.5	X	146.24859	283.57134	100.75570	11.92772	0.1927302	0.23162666	2.6258930	21	3 3.7	20.7
333148 2012 BC_{12}	15.9	X	46.54082	1.25473	338.64738	8.42947	0.1121163	0.18609673	3.0383902	21	11 26.9	20.2
333149 2012 BO_{22}	16.6	X	342.68700	21.80043	151.45047	10.21166	0.1190243	0.21572474	2.7534007	21	1 4.6	20.3
333150 2012 BH_{23}	17.8	X	209.92054	189.11038	314.83357	4.07508	0.1508825	0.27418364	2.3466142	21	9 26.2	21.2
333151 2012 BY_{27}	15.7	X	198.73117	63.95193	146.06238	9.13166	0.0219805	0.18033832	3.1027303	21	12 8.5	20.3
333152 2012 BC_{30}	17.7	X	238.61502	301.47039	132.00256	5.64669	0.1953813	0.26875772	2.3780925	21	7 21.5	21.2
333153 2012 BM_{39}	17.9	X	293.36282	147.89753	321.94491	4.36020	0.0625858	0.29026696	2.2591114	21	12 22.4	20.1
333154 2012 BK_{55}	16.1	X	242.21232	43.12704	99.01889	6.08209	0.1130500	0.17281536	3.1921344	21	10 27.3	20.8
333155 2012 BR_{57}	18.1	X	238.39996	286.16291	127.84347	2.02902	0.1469030	0.26365166	2.4086982	21	6 30.2	21.5
333156 2012 BP_{68}	17.6	X	205.74856	189.59259	21.73115	1.62985	0.0283043	0.29160694	2.2521854	21	—	—
333157 2012 BO_{78}	17.6	X	320.68522	83.32565	350.89361	0.81429	0.1739297	0.28892567	2.2660977	21	12 19.1	19.1
333158 2012 BK_{92}	16.5	X	217.82362	350.29605	288.04259	2.82611	0.0668915	0.21265026	2.7798761	21	—	—
333159 2012 BP_{117}	18.1	X	207.87014	45.06244	131.05458	6.32238	0.1866980	0.27904678	2.3192703	21	11 6.3	21.5
333160 2012 BE_{125}	17.4	X	301.44979	193.53346	291.16308	6.86766	0.0386756	0.29331498	2.2434336	21	—	—
333161 2012 BM_{133}	18.1	X	223.38177	337.12620	165.15523	2.39706	0.1799227	0.27574754	2.3377333	21	10 8.1	21.4
333162 2012 BP_{143}	16.4	X	307.53400	292.02009	38.98685	5.71508	0.2285254	0.25884484	2.4384267	21	5 21.7	19.2
333163 2012 CY	18.2	X	229.05564	346.08623	203.69652	1.02732	0.0384205	0.28979179	2.2615802	21	—	—
333164 2012 CS_{10}	18.0	X	307.06661	33.36866	133.66958	5.12611	0.0750318	0.30511817	2.1851973	21	—	—
333165 2012 CG_{12}	17.9	X	352.90414	304.14214	109.97636	3.89594	0.1553410	0.29141718	2.2531630	21	—	—
333166 2012 CF_{19}	15.2	X	303.13655	5.90589	96.95550	17.56482	0.1008925	0.18354241	3.0665150	21	12 1.9	19.3
333167 2012 CF_{29}	15.6	X	249.62212	1.30094	177.70526	10.59874	0.0342565	0.18793853	3.0185069	21	12 29.5	20.0
333168 2012 CR_{41}	15.5	X	1.02964	321.27708	343.79416	9.28737	0.0534958	0.15101001	3.4924663	21	8 5.9	20.2
333169 2012 CS_{44}	18.4	X	22.53997	288.77945	150.87270	1.09453	0.1101584	0.30385196	2.1912639	21	—	—
333170 2012 CX_{46}	15.7	X	166.56568	284.86380	333.86895	25.30394	0.1933191	0.17899239	3.1182649	21	12 26.0	21.3
333171 2012 CD_{51}	15.3	X	22.86874	37.48759	165.97361	3.16211	0.0995548	0.12456831	3.9706750	21	5 3.2	20.4
333172 2012 CR_{51}	16.0	X	253.77532	251.39357	325.43167	10.07057	0.0622948	0.19560924	2.9390692	21	—	—
333173 2012 CR_{53}	15.0	X	60.07200	192.11222	131.72122	26.32124	0.1173406	0.17575380	3.1564547	21	12 2.1	20.0
333174 2012 CP_{54}	15.3	X	224.21380	170.18541	2.59234	9.46368	0.0310149	0.17802846	3.1295105	21	11 18.1	19.9
333175 2012 DZ_{3}	15.6	X	233.36030	125.55819	123.49258	26.25673	0.4427333	0.17764443	3.1340192	21	—	—
333176 2012 DW_{8}	16.2	X	174.52182	190.99028	140.32496	4.49688	0.0960946	0.20845759	2.8170263	21	1 17.1	20.3
333177 2012 DB_{13}	17.2	X	118.08018	33.26609	215.28602	6.08628	0.0510675	0.27167528	2.3610362	21	11 5.5	20.2
333178 2012 DZ_{16}	16.2	X	210.43705	76.62798	131.05181	5.33190	0.1369678	0.17670742	3.1450884	21	12 6.2	21.1
333179 2012 DZ_{52}	18.4	X	79.38985	253.67775	160.40770	2.25186	0.1224511	0.30753901	2.1737149	21	—	—
333180 2012 DP_{59}	16.8	X	37.27502	265.69385	21.02638	6.16357	0.1190961	0.25244605	2.4794594	21	9 20.1	19.6
333181 2012 DZ_{65}	15.8	X	60.23933	22.78037	342.25561	7.81666	0.0557084	0.18416105	3.0596437	21	—	—
333182 2012 DF_{76}	16.6	X	352.30052	174.47109	0.07500	4.67379	0.0949684	0.21066432	2.7973194	21	1 26.5	20.0
333183 2012 DS_{79}	16.6	X	173.17984	56.15131	77.42765	7.06553	0.0509717	0.25357775	2.4720768	21	8 10.1	20.1
333184 2012 EU_{8}	17.1	X	281.09040	151.23746	190.64996	3.72714	0.0671625	0.23982678	2.5656905	21	5 28.0	20.4
333185 2012 EZ_{8}	16.1	X	152.08006	156.30118	142.05396	5.90273	0.1434612	0.18333033	3.0688795	21	—	—
333186 2012 FQ_{12}	18.0	X	290.95599	301.47969	157.59442	2.82433	0.1421453	0.27874770	2.3209290	21	11 22.7	20.0
333187 2012 FA_{22}	16.2	X	207.71004	117.58971	91.47142	6.94826	0.1043985	0.17912322	3.1167463	21	12 8.1	20.9
333188 2012 FT_{42}	17.8	X	154.01574	32.65206	178.50479	3.69700	0.0921149	0.26354581	2.4093430	21	10 29.3	21.3
333189 2012 FL_{55}	16.0	X	216.86665	319.07339	37.19170	11.83324	0.1782072	0.21724399	2.7405487	21	3 31.5	20.6
333190 2012 FZ_{57}	15.3	X	176.18156	164.82091	91.71687	13.13398	0.0899711	0.17400479	3.1775709	21	12 31.3	20.3
333191 2012 FD_{59}	16.8	X	4.51784	245.56173	25.43838	3.83424	0.1973962	0.23159265	2.6261500	21	6 26.8	19.0
333192 2012 FA_{62}	17.3	X	117.78374	195.20281	108.64759	3.62208	0.1975019	0.26890243	2.3772393	21	—	—
333193 2012 FJ_{64}	17.6	X	316.34766	266.09934	164.48985	2.65858	0.1585699	0.27769596	2.3267855	21	11 29.6	19.4
333194 2012 FH_{76}	16.3	X	54.37998	175.40753	28.44649	11.28749	0.1492478	0.22873151	2.6480045	21	6 20.8	19.6
333195 2012 FV_{76}	17.6	X	249.09300	244.92788	258.14263	1.30402	0.1533077	0.27706772	2.3303014	21	11 13.3	20.1
333196 2012 FM_{78}	15.4	X	238.97228	14.26098	192.11998	15.82013	0.1693039	0.17544932	3.1601056	21	12 28.1	20.3
333197 2012 GF_{4}	17.0	X	297.08402	63.17043	232.30382	1.57862	0.0270406	0.22244723	2.6976445	21	4 23.4	20.6
333198 2012 GL_{7}	17.0	X	133.02435	0.29971	230.27882	5.79273	0.0987152	0.25771761	2.4455318	21	10 29.7	20.6
333199 2012 GB_{17}	16.3	X	147.61389	347.80906	155.27639	9.80301	0.1292563	0.24107115	2.5568538	21	7 23.3	20.3
333200 2012 GG_{20}	16.0	X	164.42035	149.00825	152.67701	14.47181	0.1970806	0.17968603	3.1102348	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333201 2012 GS_{28}	15.2	X	184.87349	174.73072	99.31468	15.34424	0.1411446	0.17402109	3.1773724	21	—	—
333202 2012 GY_{31}	15.8	X	269.34716	293.18351	228.84469	4.12603	0.1802063	0.17378224	3.1802831	21	12 11.2	20.1
333203 2012 GL_{34}	16.3	X	0.11108	225.50423	49.59868	12.40362	0.1394122	0.22763453	2.6565049	21	6 22.2	19.2
333204 2012 GY_{37}	16.7	X	100.63769	101.85622	70.63496	11.01465	0.2065517	0.23640753	2.5903703	21	7 22.3	20.6
333205 2012 HA	17.2	X	142.65827	181.74884	36.55293	22.26248	0.0258528	0.36580976	1.9362697	21	11 6.9	19.1
333206 2012 HV_{3}	17.3	X	203.39314	73.40623	66.79061	23.17326	0.0531856	0.35951985	1.9587881	21	10 19.7	19.9
333207 2012 HA_{4}	18.0	X	231.02780	113.55125	67.77002	3.18161	0.1553908	0.27674768	2.3320976	21	12 10.6	21.0
333208 2012 HR_{8}	16.9	X	8.76820	243.97095	36.02923	13.26001	0.2539077	0.23208236	2.6224545	21	8 2.5	19.2
333209 2012 HS_{11}	16.2	X	85.46754	158.18608	73.60727	16.00984	0.0434774	0.24107048	2.5568585	21	9 6.7	20.0
333210 2012 HX_{14}	15.3	X	298.72614	87.76433	71.52030	9.92675	0.0861534	0.18565377	3.0432213	21	—	—
333211 2012 HH_{17}	16.2	X	321.71120	94.29995	89.05561	10.05251	0.0423474	0.19120554	2.9840246	21	1 6.6	20.2
333212 2012 HQ_{17}	17.7	X	172.43948	96.45028	173.32460	6.49914	0.2490096	0.27427626	2.3460858	21	—	—
333213 2012 HS_{17}	15.8	X	262.10774	195.11030	108.30889	12.12173	0.1154561	0.20413367	2.8566670	21	3 17.5	20.3
333214 2012 HH_{19}	16.7	X	358.27960	183.81516	126.49102	5.82030	0.1313138	0.23470271	2.6028990	21	8 13.4	19.4
333215 2012 HG_{20}	17.5	X	149.86443	18.36320	211.41236	21.21615	0.0535806	0.36514014	1.9386362	21	12 5.1	20.0
333216 2012 HV_{23}	15.5	X	271.35760	205.50306	2.66497	17.15977	0.0999759	0.18741191	3.0241588	21	—	—
333217 2012 HG_{24}	16.1	X	41.06958	74.43828	193.80939	14.47975	0.0855685	0.23412971	2.6071441	21	8 18.0	19.5
333218 2012 HA_{38}	15.5	X	221.88720	170.29505	61.24704	10.50726	0.0626862	0.17368785	3.1814353	21	—	—
333219 2012 HE_{38}	16.3	X	53.00331	248.59037	225.68876	10.33854	0.0575741	0.19763764	2.9189251	21	2 6.4	20.3
333220 2012 HN_{38}	17.6	X	125.15186	246.25688	56.41535	2.94022	0.1905847	0.26856500	2.3792301	21	—	—
333221 2012 HG_{39}	17.2	X	286.43961	325.02778	295.99746	5.55046	0.1463258	0.31137584	2.1558214	21	1 24.5	20.2
333222 2012 HU_{39}	15.7	X	234.37722	155.19354	49.18935	17.47979	0.2070013	0.17566391	3.1575315	21	12 15.5	20.6
333223 2012 HY_{39}	16.1	X	95.55178	37.69848	175.13641	10.88889	0.1739268	0.23994758	2.5648293	21	9 1.2	19.9
333224 2012 HB_{40}	17.3	X	237.17578	187.53110	47.70670	6.20119	0.2030891	0.28989180	2.2610601	21	—	—
333225 2012 HD_{40}	16.5	X	56.09680	175.76710	56.88286	5.71727	0.1176162	0.23417152	2.6068337	21	8 1.7	19.7
333226 2012 HH_{40}	15.6	X	282.00832	340.42649	214.63565	12.63654	0.1303456	0.18546438	3.0452927	21	—	—
333227 2012 HR_{41}	15.4	X	196.83311	181.77611	83.51112	6.55186	0.1378824	0.17615084	3.1517099	21	—	—
333228 2012 HW_{42}	15.7	X	219.14768	167.34374	84.34019	9.98060	0.0218154	0.17755020	3.1351280	21	—	—
333229 2012 HO_{45}	16.3	X	266.58362	254.09917	70.78474	6.17452	0.1289992	0.21388818	2.7691396	21	4 12.8	20.4
333230 2012 HO_{47}	16.1	X	204.08229	311.58579	84.82348	14.81878	0.0404886	0.21681446	2.7441671	21	5 11.9	20.2
333231 2012 HF_{48}	16.4	X	48.94221	132.53175	153.83333	7.60105	0.2212518	0.24005284	2.5640795	21	10 22.7	19.8
333232 2012 HK_{48}	15.8	X	160.00173	231.84014	114.43244	12.39257	0.0679257	0.18965224	3.0002957	21	1 21.0	20.2
333233 2012 HY_{48}	16.2	X	213.91816	313.67164	104.80504	15.02564	0.0524999	0.22779361	2.6552680	21	6 17.6	20.0
333234 2012 HQ_{49}	17.2	X	33.94138	107.80351	147.47240	3.70911	0.1243264	0.23106964	2.6301113	21	7 27.3	20.0
333235 2012 HZ_{49}	16.0	X	31.62745	166.36588	105.31599	15.73698	0.0928062	0.23350122	2.6118203	21	8 15.8	19.2
333236 2012 HE_{50}	15.4	X	282.34919	113.68185	69.41447	18.79648	0.0482685	0.18306461	3.0718485	21	—	—
333237 2012 HU_{50}	16.2	X	304.82261	131.82528	171.24366	9.71398	0.1303775	0.21557009	2.7547173	21	5 1.8	19.9
333238 2012 HC_{51}	16.4	X	298.04171	164.99891	137.39762	10.30216	0.1268510	0.21556806	2.7547347	21	4 23.9	20.3
333239 2012 HP_{52}	16.0	X	189.91615	236.97430	43.48518	5.78208	0.1066975	0.17848796	3.1241372	21	—	—
333240 2012 HU_{63}	16.8	X	308.37783	246.65449	79.74797	4.28272	0.1888788	0.22400906	2.6850909	21	5 26.7	19.8
333241 2012 HF_{65}	16.5	X	21.08268	196.75937	63.28439	4.00366	0.0707374	0.22767688	2.6561754	21	7 7.3	19.5
333242 2012 HG_{65}	17.4	X	255.67822	335.66179	223.60298	5.10014	0.1032845	0.28283186	2.2985317	21	—	—
333243 2012 HA_{67}	16.5	X	120.21873	67.35979	71.69487	12.19098	0.1303894	0.23154134	2.6265380	21	6 18.8	20.3
333244 2012 HJ_{68}	16.7	X	148.19793	63.27966	86.61770	12.95805	0.1194115	0.23992346	2.5650012	21	8 4.8	20.7
333245 2012 HA_{71}	15.4	X	198.17395	193.58495	48.40041	10.92589	0.1178418	0.17050951	3.2208486	21	—	—
333246 2012 HY_{71}	15.5	X	344.62472	207.39038	155.29547	14.01176	0.2224798	0.23914951	2.5705322	21	10 12.6	17.6
333247 2012 HO_{77}	16.5	X	337.25863	192.09326	58.62312	5.78051	0.1077181	0.21329943	2.7742329	21	4 12.9	19.9
333248 2012 HE_{78}	16.8	X	340.49773	62.00134	234.74561	11.26717	0.0359414	0.22836776	2.6508156	21	6 24.0	20.3
333249 2012 HM_{78}	16.5	X	243.56063	148.29246	87.12788	2.69860	0.1298917	0.18001678	3.1064239	21	—	—
333250 2012 HO_{79}	16.5	X	321.72985	62.54107	219.85256	4.26403	0.0279737	0.21684011	2.7439507	21	5 10.5	20.0
333251 2012 JJ_{1}	15.6	X	312.91294	112.40865	62.03453	12.50563	0.0363251	0.18856398	3.0118284	21	—	—
333252 2012 JO_{2}	16.7	X	112.88282	96.03668	73.18746	7.43748	0.1042487	0.23649995	2.5896954	21	7 18.9	20.4
333253 2012 JE_{6}	15.3	X	204.55729	122.80178	123.37087	20.88154	0.0453555	0.17239133	3.1973667	21	—	—
333254 2012 JQ_{6}	17.2	X	62.87679	69.31232	239.44583	4.82686	0.0178782	0.25727140	2.4483587	21	11 8.4	20.3
333255 2012 JS_{8}	17.4	X	144.75237	139.51535	359.69750	1.36241	0.0190957	0.23176293	2.6248636	21	7 8.4	20.8
333256 2012 JZ_{8}	16.0	X	280.13237	98.92102	98.33859	7.26376	0.1878309	0.18415013	3.0597647	21	—	—
333257 2012 JB_{9}	15.5	X	198.23909	77.87989	234.85384	8.87280	0.0624986	0.18871247	3.0102483	21	1 19.2	20.1
333258 2012 JK_{9}	16.0	X	238.12690	177.12260	79.35760	3.20708	0.0566294	0.18534229	3.0466299	21	—	—
333259 2012 JG_{15}	15.6	X	151.83455	265.29515	47.32625	9.81333	0.0682385	0.17516658	3.1635052	21	—	—
333260 2012 JE_{16}	16.5	X	117.02088	150.56358	106.20934	16.87887	0.0960951	0.25472650	2.4646389	21	11 20.4	20.4
333261 2012 JF_{19}	17.1	X	104.84531	266.89199	55.89981	6.23262	0.1149989	0.27160382	2.3614503	21	—	—
333262 2012 JY_{20}	17.6	X	123.22498	41.23228	233.90018	5.78159	0.1029729	0.26174184	2.4204008	21	12 15.8	21.1
333263 2012 JV_{21}	17.6	X	213.23708	96.71042	53.81290	22.07596	0.0560927	0.36352834	1.9443623	21	11 7.7	19.5
333264 2012 JL_{22}	15.6	X	270.49255	124.93455	51.10834	16.11526	0.1234894	0.17866376	3.1220875	21	—	—
333265 2012 JY_{26}	15.1	X	171.27152	214.48756	100.80901	31.25075	0.3037344	0.17573268	3.1567077	21	1 12.4	20.8
333266 2012 JA_{29}	17.7	X	155.34091	65.86753	252.56503	1.79671	0.2206875	0.28057741	2.3108278	21	—	—
333267 2012 JH_{32}	17.7	X	267.28124	305.65492	241.68397	1.57168	0.1252948	0.28508954	2.2863806	21	—	—
333268 2012 KO_{9}	15.8	X	290.57867	82.08417	61.70670	10.19840	0.1444652	0.17697877	3.1418728	21	12 24.5	19.7
333269 2012 KR_{24}	17.4	X	94.66478	67.03314	221.22696	22.34305	0.1127582	0.36397861	1.9427585	21	12 18.6	20.3
333270 2146 $P–L$	16.0	X	357.53786	143.42107	198.70657	8.42071	0.4197641	0.22703970	2.6611428	21	11 7.9	17.3
333271 4318 $P–L$	16.3	X	287.39860	144.08613	225.07342	4.25458	0.2066320	0.22405570	2.6847183	21	6 20.9	19.9
333272 1345 $T–2$	15.5	X	134.41868	178.16868	179.98044	15.49372	0.2513164	0.17179505	3.2047608	21	1 27.7	20.8
333273 4276 $T–2$	17.5	X	121.69513	200.88848	148.07631	4.56285	0.2186957	0.27453220	2.3446275	21	—	—
333274 1994 AS_{7}	17.8	X	46.25462	312.60040	109.67155	5.27511	0.0685111	0.28684575	2.2770388	21	—	—
333275 1994 LV	16.4	X	82.77877	79.29596	108.70778	11.72000	0.2997684	0.22334914	2.6903773	21	8 3.1	20.4
333276 1995 QD_{16}	17.8	X	241.12787	11.07808	271.99339	5.48427	0.1380624	0.28890220	2.2662204	21	1 11.1	21.2
333277 1996 XM_{23}	15.9	X	333.10114	124.60551	280.18498	11.95427	0.1705502	0.23224052	2.6212637	21	11 8.7	18.7
333278 1997 TF_{11}	17.1	X	79.17091	189.41275	185.28812	3.89159	0.1962431	0.25935855	2.4352058	21	—	—
333279 1997 TW_{12}	17.1	X	66.90274	2.55173	18.97005	4.27755	0.1943928	0.25636217	2.4541443	21	—	—
333280 1998 QD_{82}	16.2	X	305.32487	134.61857	216.71031	9.31187	0.2835044	0.21059278	2.7979529	21	6 10.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333281 1998 RD_{20}	17.1	X	186.88490	319.15964	9.03489	6.85520	0.2742367	0.28075691	2.3098427	21	1 27.2	21.1
333282 1998 SG_{153}	16.2	X	252.46243	167.59086	202.40148	2.31644	0.2098183	0.20394203	2.8584563	21	5 14.6	20.8
333283 1998 YQ_{31}	17.2	X	78.19533	280.21954	118.94079	3.26017	0.1829297	0.26502106	2.4003936	21	—	—
333284 1999 PJ_{1}	18.1	X	356.26612	80.51322	319.45242	34.48008	0.3593668	0.45456680	1.6752164	21	—	—
333285 1999 RP_{81}	17.8	X	227.81948	21.00306	335.86648	6.63252	0.2003685	0.30028115	2.2086014	21	3 28.3	21.3
333286 1999 RE_{125}	15.8	X	14.12212	15.22753	332.49645	5.86071	0.2543422	0.22810293	2.6528670	21	11 20.2	18.7
333287 1999 RD_{202}	16.0	X	357.81013	50.31166	272.68951	8.86041	0.2300553	0.22273782	2.6952977	21	8 29.6	18.4
333288 1999 SU_{14}	15.9	X	351.23931	111.96027	248.30456	11.76558	0.2849365	0.22562655	2.6722428	21	10 19.5	18.0
333289 1999 TK_{221}	16.3	X	351.76652	174.12366	179.71267	13.70846	0.1931849	0.22351904	2.6890138	21	10 7.4	18.7
333290 1999 TZ_{301}	15.9	X	341.19990	104.86208	37.87016	10.58356	0.1518644	0.19022903	2.9942279	21	—	—
333291 1999 VR_{34}	16.0	X	337.29992	121.14517	242.69374	14.68630	0.2905781	0.22056276	2.7129883	21	9 3.0	18.3
333292 1999 VH_{63}	16.3	X	330.04653	140.45442	223.31345	8.22582	0.2286520	0.22040037	2.7143207	21	8 23.7	19.0
333293 2000 QC_{13}	17.1	X	83.34715	328.48747	335.69054	6.09050	0.2375061	0.24569391	2.5246807	21	12 19.6	21.3
333294 2000 QW_{215}	16.8	X	33.56867	353.34121	14.84681	5.49254	0.2659831	0.24209756	2.5496219	21	—	—
333295 2000 SE_{11}	16.5	X	41.56056	167.72555	184.93788	17.01853	0.1669760	0.24244164	2.5472090	21	12 26.9	20.3
333296 2000 SG_{16}	16.0	X	66.78125	357.36441	322.64934	9.95903	0.0809717	0.24140810	2.5544740	21	12 3.3	19.6
333297 2000 SX_{89}	15.8	X	15.97520	121.60486	241.50019	12.05669	0.1631792	0.24095800	2.5576541	21	12 4.9	18.6
333298 2000 SS_{90}	16.0	X	64.33655	46.09201	236.22033	11.68215	0.2023772	0.23925378	2.5697853	21	10 29.4	19.7
333299 2000 SV_{131}	16.3	X	3.22992	110.48310	261.20455	10.71987	0.0639566	0.23946717	2.5682585	21	11 11.8	19.6
333300 2000 SF_{212}	16.8	X	31.88651	298.42658	62.33139	7.23741	0.2971631	0.24060985	2.5601207	21	—	—
333301 2000 ST_{284}	16.8	X	76.67679	100.35426	224.65626	8.37028	0.2117833	0.24384872	2.5374008	21	—	—
333302 2000 SN_{302}	16.7	X	64.66331	26.25439	280.22021	5.72586	0.1960631	0.24055693	2.5604962	21	11 29.2	20.5
333303 2000 UD_{22}	16.6	X	7.74506	302.77307	80.20387	6.40594	0.2339652	0.23795269	2.5791443	21	12 29.1	19.3
333304 2000 UT_{62}	16.3	X	0.03153	111.59620	285.83572	4.36527	0.2457841	0.23810686	2.5780308	21	—	—
333305 2000 VB_{35}	16.3	X	345.98437	193.02379	227.81144	7.57207	0.3608229	0.23628739	2.5912482	21	—	—
333306 2000 VQ_{56}	16.8	X	3.25169	132.08600	267.09880	4.68406	0.3161214	0.23766687	2.5812117	21	—	—
333307 2000 WB_{156}	15.9	X	16.69198	97.45975	277.38761	9.77367	0.2782494	0.23748806	2.5825071	21	—	—
333308 2001 FV_{60}	16.8	X	286.51512	55.75269	156.87140	6.82657	0.1842185	0.28481619	2.2878432	21	—	—
333309 2001 FR_{116}	17.4	X	226.76066	91.26748	147.57517	7.41733	0.2838611	0.27786512	2.3258410	21	—	—
333310 2001 GC_{1}	17.0	X	265.02182	48.34089	140.82013	23.26323	0.0695684	0.37553400	1.9026980	21	—	—
333311 2001 MR_{3}	19.0	X	178.70116	59.49233	220.37832	4.42298	0.4513296	0.27039643	2.3684747	21	—	—
333312 2001 MR_{18}	16.8	X	134.31314	53.79850	284.72964	7.83177	0.3305669	0.26769590	2.3843769	21	—	—
333313 2001 OF_{29}	15.5	X	265.73968	130.18671	112.41382	27.89877	0.2028652	0.17775032	3.1327744	21	1 1.1	20.7
333314 2001 OM_{57}	15.6	X	209.75242	14.79679	304.57944	16.71033	0.1993534	0.17689294	3.1428891	21	2 8.5	21.0
333315 2001 OY_{66}	15.2	X	233.58365	326.91672	317.25982	16.76608	0.1929423	0.17672152	3.1449211	21	1 23.2	20.5
333316 2001 OR_{87}	15.6	X	205.93213	108.25609	189.68561	16.24440	0.2316146	0.17423945	3.1747172	21	1 13.4	21.4
333317 2001 OA_{100}	15.3	X	250.07714	315.55425	316.07943	21.63551	0.2106193	0.17852441	3.1237120	21	1 22.0	20.6
333318 2001 OK_{113}	15.5	X	172.40031	284.86427	81.64498	6.42831	0.2269176	0.17603451	3.1530983	21	3 11.7	20.9
333319 2001 PD_{17}	15.1	X	151.45640	292.57476	108.50102	16.79384	0.2074423	0.17772868	3.1330287	21	4 7.3	20.6
333320 2001 PU_{62}	15.5	X	202.29957	171.00072	166.54630	18.15955	0.2161113	0.17627309	3.1502525	21	2 25.1	20.9
333321 2001 QX_{3}	15.6	X	228.12215	119.26801	143.59675	26.07811	0.3245418	0.17534901	3.1613106	21	—	—
333322 2001 QG_{26}	16.9	X	103.33568	220.13382	156.01696	2.77549	0.2286811	0.26521673	2.3992128	21	—	—
333323 2001 QX_{60}	17.5	X	133.59622	193.07463	144.29063	1.67401	0.1998819	0.26740216	2.3861227	21	—	—
333324 2001 QK_{95}	15.9	X	181.98888	56.65778	313.70782	5.20112	0.1669102	0.17936110	3.1139900	21	3 16.4	21.2
333325 2001 QW_{148}	17.1	X	120.22677	339.19770	19.59596	2.41073	0.2220432	0.26791017	2.3831054	21	—	—
333326 2001 QW_{187}	15.0	X	155.06090	105.34090	272.91327	11.93139	0.3073678	0.17343295	3.1845517	21	3 7.5	20.8
333327 2001 QB_{209}	15.6	X	158.76426	47.57796	330.77771	11.75977	0.1403260	0.17648365	3.1477464	21	3 4.3	20.6
333328 2001 QT_{213}	15.3	X	157.16751	14.29645	334.88981	9.86342	0.1049582	0.17155014	3.2078102	21	1 29.5	20.2
333329 2001 QN_{250}	17.0	X	101.74948	306.41993	52.38628	5.70766	0.2547776	0.26369869	2.4084117	21	—	—
333330 2001 QW_{272}	17.6	X	128.80098	324.74534	30.34554	3.84607	0.2928156	0.26754901	2.3852495	21	1 11.0	20.8
333331 2001 QD_{294}	17.2	X	155.43860	346.26646	324.11829	4.60786	0.2431744	0.26815076	2.3816797	21	—	—
333332 2001 RF_{2}	15.7	X	175.62340	96.40127	292.01337	22.51673	0.3917327	0.17621990	3.1508864	21	3 28.2	22.1
333333 2001 RC_{3}	15.4	X	219.44270	148.74991	217.24706	10.47683	0.3132924	0.18234445	3.0799312	21	4 7.8	21.0
333334 2001 RB_{10}	17.4	X	80.25120	99.93501	225.74443	20.15639	0.1209045	0.35680408	1.9687150	21	—	—
333335 2001 RK_{49}	17.0	X	133.32994	123.54497	213.65959	3.80017	0.2499913	0.26579003	2.3957616	21	—	—
333336 2001 RU_{115}	17.4	X	168.07302	168.83496	107.82251	2.47728	0.1533861	0.26405312	2.4062561	21	—	—
333337 2001 RO_{120}	17.2	X	76.81774	349.48962	23.16776	2.95571	0.1926894	0.26125792	2.4233886	21	—	—
333338 2001 SC_{7}	17.7	X	140.18498	309.40185	4.80023	1.41673	0.1822518	0.26533952	2.3984726	21	—	—
333339 2001 SM_{32}	17.0	X	141.39120	157.10512	178.30876	7.01208	0.2289523	0.26584954	2.3954040	21	—	—
333340 2001 SS_{81}	15.8	X	197.60159	53.09926	274.78302	3.22183	0.1659114	0.17555154	3.1588787	21	2 10.2	21.0
333341 2001 SD_{104}	16.9	X	179.71210	71.25976	199.03185	5.95673	0.0676134	0.26323301	2.4112513	21	—	—
333342 2001 SE_{210}	16.9	X	69.10789	309.32547	72.24471	3.46703	0.2045290	0.26039225	2.4287567	21	—	—
333343 2001 SE_{325}	16.6	X	145.04129	196.49944	131.64887	7.57081	0.1416308	0.26437635	2.4042944	21	—	—
333344 2001 SE_{339}	15.6	X	201.76084	85.69191	282.12472	15.43867	0.3069595	0.17907128	3.1173490	21	3 23.4	21.6
333345 2001 ST_{344}	15.7	X	186.64251	263.40786	118.76542	14.31919	0.2650506	0.17708299	3.1406400	21	4 12.6	21.5
333346 2001 TF_{55}	15.7	X	194.12356	328.37505	342.46777	4.76745	0.1278914	0.16882048	3.2422957	21	1 21.1	20.9
333347 2001 TT_{72}	17.3	X	91.04526	314.49155	50.83583	3.13535	0.2093910	0.26014646	2.4302863	21	—	—
333348 2001 TK_{128}	17.4	X	123.97680	124.51874	211.45730	0.75479	0.2151255	0.26311343	2.4119819	21	—	—
333349 2001 TU_{131}	16.7	X	124.09385	205.76803	134.04924	8.55460	0.2125522	0.26485814	2.4013779	21	—	—
333350 2001 TO_{150}	16.9	X	87.03007	294.98549	73.33873	4.18671	0.2226881	0.26030204	2.4293178	21	—	—
333351 2001 TB_{227}	14.9	X	143.86746	60.31782	308.29614	15.30854	0.1182166	0.17106133	3.2139182	21	2 5.8	19.7
333352 2001 UK_{6}	17.0	X	73.08654	265.13845	105.63582	3.52940	0.2097964	0.25709151	2.4495006	21	—	—
333353 2001 UV_{42}	17.3	X	122.90073	164.84893	162.57892	2.16786	0.2046234	0.26136823	2.4227068	21	—	—
333354 2001 UR_{62}	16.7	X	131.70315	53.05279	296.68536	5.63017	0.1332079	0.26550650	2.3974669	21	—	—
333355 2001 UU_{117}	16.8	X	98.28875	327.85806	24.85667	0.50369	0.2309817	0.25935572	2.4352235	21	—	—
333356 2001 UK_{188}	17.2	X	70.98439	216.17583	171.01831	3.80784	0.2150668	0.25876878	2.4389045	21	—	—
333357 2001 VV_{87}	16.2	X	19.70206	293.32800	128.69521	13.70422	0.2055694	0.25554273	2.4593879	21	—	—
333358 2001 WN_{1}	19.5	X	271.33483	127.34400	243.66493	14.07386	0.3031123	0.53557133	1.5017276	21	5 5.6	21.2
333359 2001 XY_{110}	17.2	X	72.22548	155.05460	222.66048	4.24051	0.1558867	0.25654245	2.4529944	21	—	—
333360 2001 XN_{124}	16.4	X	87.35095	101.68599	216.56445	5.84024	0.1323400	0.25111751	2.4881967	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333361 2001 XA_{222}	17.0	X	79.03761	335.77121	10.63285	2.87344	0.1990127	0.25482831	2.4639824	21	—	—
333362 2001 XH_{243}	16.0	X	30.13019	232.11333	108.44408	16.36063	0.1285613	0.24038619	2.5617085	21	11 25.3	19.4
333363 2001 YC_{51}	16.9	X	81.49855	318.95855	75.40904	5.93790	0.2017094	0.25844196	2.4409602	21	—	—
333364 2001 YM_{71}	16.0	X	119.29719	307.58689	291.99529	13.47824	0.0214251	0.23779408	2.5802910	21	10 11.6	19.9
333365 2002 CC_{93}	16.8	X	142.79942	62.45507	117.06852	3.44386	0.1080916	0.22713260	2.6604172	21	9 4.1	20.7
333366 2002 CP_{143}	14.5	X	50.49002	83.01511	298.95597	14.72656	0.0907632	0.14631438	3.5667942	21	—	—
333367 2002 CH_{212}	17.0	X	336.62329	70.09533	339.09842	3.81762	0.1553626	0.23998777	2.5645429	21	11 26.4	19.5
333368 2002 FS_{4}	15.6	X	27.09679	282.76242	297.55401	28.42814	0.3760406	0.21219089	2.7838868	21	7 3.0	17.7
333369 2002 GA_{77}	16.5	X	50.47823	65.31852	151.61470	8.33398	0.1588729	0.21381553	2.7697669	21	7 5.1	19.8
333370 2002 HO_{7}	17.9	X	320.24407	182.38336	73.99979	2.45689	0.1046550	0.30755070	2.1736598	21	3 10.6	20.1
333371 2002 JM_{93}	17.2	X	287.52623	65.46979	235.91246	7.45632	0.1984203	0.30542909	2.1837141	21	3 12.1	20.4
333372 2002 NE_{31}	17.7	X	234.85875	25.70059	290.46500	7.32245	0.1796087	0.29568911	2.2314089	21	2 12.3	21.3
333373 2002 NS_{75}	16.1	X	277.36650	153.31860	170.86052	12.98730	0.0937350	0.19778672	2.9174581	21	5 1.0	20.4
333374 2002 NY_{79}	15.9	X	203.11713	181.80047	87.09444	6.80381	0.1189451	0.18120673	3.0928095	21	—	—
333375 2002 PE_{28}	17.4	X	201.79141	65.81033	291.64359	3.38768	0.2011960	0.29370932	2.2414251	21	3 7.9	20.9
333376 2002 PD_{66}	16.4	X	280.80024	172.39366	146.65987	9.45616	0.2017826	0.19855754	2.9099027	21	4 14.5	20.8
333377 2002 PH_{107}	17.4	X	253.65211	183.56591	121.10577	5.99770	0.1769197	0.29621208	2.2287817	21	2 18.1	20.7
333378 2002 PH_{123}	15.9	X	284.78676	118.09530	184.62385	11.06077	0.1323319	0.19508212	2.9443611	21	4 5.5	20.2
333379 2002 PJ_{127}	17.8	X	253.55917	332.91821	321.30251	4.76242	0.2373887	0.29482777	2.2357528	21	2 1.6	21.5
333380 2002 PY_{186}	18.1	X	235.59607	295.09351	11.14119	2.96361	0.1717755	0.29331592	2.2434288	21	2 4.1	21.7
333381 2002 PX_{188}	15.5	X	215.60895	243.86171	119.67602	12.84060	0.1372895	0.19159094	2.9800215	21	4 13.6	20.5
333382 2002 PG_{192}	15.8	X	356.54856	291.21362	264.84755	11.31618	0.0466678	0.19120516	2.9840286	21	3 1.9	20.0
333383 2002 PX_{200}	16.6	X	293.52250	109.60148	241.68065	1.09668	0.0797119	0.20374710	2.8602792	21	6 25.8	20.2
333384 2002 QC_{151}	16.6	X	229.33762	46.58688	324.20310	13.38477	0.0830448	0.24667560	2.5179780	21	4 22.4	20.6
333385 2002 QM_{151}	16.1	X	90.36797	149.30387	313.41138	8.85675	0.0524209	0.18772452	3.0208005	21	3 15.5	20.4
333386 2002 QP_{151}	15.9	X	68.61956	310.54945	174.94511	9.82746	0.0206565	0.18840880	3.0134819	21	3 15.6	20.1
333387 2002 RJ_{9}	17.8	X	213.60241	169.68266	160.78196	6.50624	0.1642380	0.29192548	2.2505468	21	2 13.0	21.4
333388 2002 RZ_{73}	17.6	X	215.71061	164.33304	169.91350	6.50260	0.1384708	0.29203374	2.2499905	21	2 19.3	20.9
333389 2002 RS_{181}	17.0	X	182.38519	179.19740	185.41875	6.46262	0.2315307	0.28942317	2.2635001	21	3 2.5	20.7
333390 2002 RQ_{217}	17.4	X	220.80693	348.82910	340.23666	6.35351	0.1196474	0.29247006	2.2477523	21	2 19.1	20.6
333391 2002 RZ_{223}	18.1	X	230.48088	217.81878	105.22481	7.73690	0.2519800	0.29388612	2.2405261	21	2 20.3	22.0
333392 2002 SO_{38}	17.1	X	231.30428	255.08089	49.82113	2.09936	0.1167418	0.28912951	2.2650325	21	1 30.5	20.3
333393 2002 TB_{8}	17.6	X	156.38275	187.86184	205.31578	2.62054	0.1774798	0.28794774	2.2712256	21	3 11.3	20.8
333394 2002 TG_{26}	16.2	X	200.76954	209.13038	189.13452	9.58134	0.1681348	0.18924635	3.0045841	21	5 7.2	21.2
333395 2002 TQ_{59}	17.1	X	195.19043	19.83151	276.95770	18.42511	0.0403418	0.38486791	1.8718092	21	—	—
333396 2002 TR_{73}	17.2	X	197.93727	75.30538	265.85763	4.67508	0.1647844	0.28751539	2.2735019	21	2 11.4	20.8
333397 2002 TJ_{113}	15.6	X	181.33715	89.36679	310.03972	9.99867	0.1189669	0.18785439	3.0194081	21	4 14.2	20.6
333398 2002 TM_{125}	17.2	X	232.42972	330.95356	318.91991	9.99758	0.1676482	0.28781115	2.2719441	21	1 13.2	20.8
333399 2002 TS_{128}	15.6	X	225.51753	80.24509	243.63749	7.53903	0.0903176	0.18514664	3.0487758	21	2 28.1	20.4
333400 2002 TO_{182}	16.4	X	182.78546	207.75632	206.08123	2.42590	0.2648462	0.18910655	3.0060648	21	5 10.1	21.7
333401 2002 TE_{283}	17.2	X	139.28087	117.13684	293.37961	5.37877	0.2332591	0.28537220	2.2848706	21	3 20.3	20.6
333402 2002 TW_{291}	15.8	X	182.70791	100.84272	278.21190	7.63919	0.1519366	0.18424497	3.0587146	21	3 24.3	21.0
333403 2002 TZ_{346}	15.6	X	184.00142	296.89788	68.40522	10.03377	0.1489979	0.18314225	3.0709802	21	3 18.5	20.7
333404 2002 TB_{348}	17.3	X	216.92648	202.60135	107.49170	7.46582	0.1444492	0.28593379	2.2818779	21	1 23.3	20.8
333405 2002 TB_{366}	17.4	X	203.80082	168.00420	156.26955	6.31401	0.1300924	0.28639794	2.2794118	21	1 26.6	20.7
333406 2002 TW_{375}	17.4	X	146.20476	36.56897	359.35690	3.90405	0.1807116	0.28535160	2.2849805	21	3 6.2	20.6
333407 2002 VB_{8}	15.1	X	68.32635	196.27782	235.69740	22.74236	0.1316242	0.17290343	3.1910502	21	1 16.1	19.6
333408 2002 VU_{12}	15.2	X	207.51483	114.54982	241.93456	11.82855	0.1281581	0.18343325	3.0677315	21	3 19.3	20.3
333409 2002 VF_{26}	15.2	X	159.47932	337.49324	49.80855	13.20599	0.1447224	0.17949707	3.1124173	21	3 23.3	20.3
333410 2002 VY_{26}	17.1	X	151.50158	314.06406	46.00067	6.89354	0.1471271	0.28096276	2.3087144	21	1 22.5	20.3
333411 2002 VW_{109}	16.4	X	222.20115	35.21197	350.97661	1.68648	0.3577073	0.18945549	3.0023726	21	5 1.6	22.0
333412 2002 WE_{29}	13.5	X	239.19930	278.38231	108.55325	8.74391	0.1134067	0.08426467	5.1527496	21	6 5.2	20.6
333413 2002 XZ_{17}	16.0	X	192.06340	315.57474	71.06604	5.74764	0.3137824	0.18461647	3.0546099	21	4 17.1	21.6
333414 2002 XD_{62}	17.6	X	159.67420	47.30996	330.42213	3.35335	0.2457644	0.28389050	2.2928139	21	3 1.7	21.1
333415 2002 XB_{68}	16.0	X	194.90463	154.44807	229.36900	17.27478	0.2942096	0.18408302	3.0605083	21	4 11.4	21.7
333416 2003 AG_{2}	16.2	X	120.91419	121.71150	294.52259	21.18932	0.3320492	0.27834732	2.3231541	21	3 11.4	20.1
333417 2003 AR_{72}	16.6	X	110.62553	258.14197	310.45075	26.75766	0.3813626	0.23704343	2.5857355	21	9 12.2	21.8
333418 2003 FP_{29}	16.9	X	77.00716	40.12494	214.69108	4.51509	0.2428959	0.23429066	2.6059499	21	10 13.5	20.7
333419 2003 FT_{113}	16.4	X	86.18734	253.80794	357.38622	14.12223	0.1604533	0.23616686	2.5921298	21	10 6.7	20.2
333420 2003 GR_{38}	17.0	X	59.47542	172.52572	137.93634	5.69578	0.1524907	0.23925522	2.5697750	21	11 24.6	20.6
333421 2003 HG_{5}	16.5	X	90.81721	172.98342	72.83578	4.63882	0.1595417	0.23363774	2.6108027	21	10 9.7	20.4
333422 2003 KJ_{2}	16.6	X	36.44737	158.13420	120.60967	9.66069	0.2106709	0.22647868	2.6655357	21	9 21.7	19.7
333423 2003 KL_{11}	16.2	X	10.69697	67.08257	246.02366	12.44877	0.2168767	0.22232567	2.6986278	21	9 11.1	19.1
333424 2003 MX_{3}	15.8	X	93.54316	84.47256	138.11337	25.59644	0.1892409	0.22869059	2.6483203	21	9 18.1	20.1
333425 2003 NE_{1}	16.2	X	3.82406	169.32357	101.75452	17.08220	0.3248491	0.21708466	2.7418896	21	6 27.6	17.5
333426 2003 OQ_{30}	16.4	X	294.12876	57.56975	319.76060	4.07822	0.1717561	0.21525477	2.7574069	21	7 18.3	19.7
333427 2003 QD_{22}	15.5	X	309.39697	200.83113	169.62765	17.61486	0.1396625	0.21665864	2.7454827	21	8 4.7	18.9
333428 2003 QL_{22}	16.4	X	313.59127	53.41651	294.75336	8.15244	0.2470684	0.21463954	2.7626735	21	6 26.2	19.3
333429 2003 QJ_{29}	16.2	X	337.36715	36.36157	311.61112	3.82361	0.2443960	0.21810488	2.7333325	21	8 19.1	18.3
333430 2003 QT_{110}	16.1	X	305.10465	350.49312	350.46278	22.29836	0.2346690	0.21346037	2.7728383	21	5 28.0	20.1
333431 2003 RE_{13}	16.7	X	308.99072	15.10787	340.83568	6.76555	0.2358488	0.21424420	2.7660710	21	7 1.7	20.0
333432 2003 RA_{14}	16.8	X	310.08842	158.71254	196.94365	2.17015	0.3098173	0.21440051	2.7647265	21	6 19.1	19.9
333433 2003 SD_{55}	15.6	X	262.62880	113.75860	281.54378	5.63686	0.1358825	0.21087410	2.7954639	21	7 5.1	19.3
333434 2003 SO_{61}	15.9	X	291.09422	338.59902	12.54814	7.84164	0.0648205	0.21107610	2.7936801	21	6 24.5	19.8
333435 2003 SS_{144}	16.9	X	337.21300	70.57208	254.64085	10.05663	0.3308813	0.21532752	2.7567858	21	6 28.4	18.8
333436 2003 SE_{167}	15.8	X	313.22767	101.50705	259.74697	5.83628	0.2208489	0.21296167	2.7771654	21	7 17.7	18.8
333437 2003 SB_{180}	15.9	X	10.65549	312.22651	17.40157	14.10380	0.1261076	0.21896784	2.7261463	21	10 2.9	19.0
333438 2003 SX_{235}	16.2	X	256.71029	256.88391	134.21534	9.84570	0.1673339	0.21004418	2.8028226	21	6 19.3	20.5
333439 2003 SV_{245}	16.4	X	321.65376	122.96070	187.21954	7.31362	0.2144509	0.21053451	2.7984692	21	5 23.6	19.7
333440 2003 SD_{299}	15.8	X	333.12418	59.46529	291.40966	11.08371	0.2997008	0.21572308	2.7534148	21	8 3.2	18.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333441 2003 SL_{325}	16.5	X	298.21056	355.50083	331.19934	6.72779	0.1214858	0.20904637	2.8117344	21	5 21.6	20.3
333442 2003 TN_{8}	15.6	X	311.71454	51.79223	312.81629	12.26119	0.2247678	0.21347856	2.7726808	21	7 21.7	18.7
333443 2003 TE_{19}	16.7	X	303.54844	282.25208	47.23255	3.95868	0.1922292	0.20913730	2.8109194	21	5 23.4	20.3
333444 2003 UG_{1}	16.5	X	339.53597	40.81219	272.10365	6.81265	0.2138376	0.21214243	2.7843107	21	7 2.0	19.1
333445 2003 UU_{130}	15.6	X	307.67837	3.24645	307.33051	14.54057	0.1344855	0.20529704	2.8458648	21	5 8.6	19.6
333446 2003 UM_{135}	16.1	X	309.80413	91.07069	243.97611	16.49736	0.2953091	0.20966007	2.8062449	21	5 23.4	19.6
333447 2003 US_{249}	16.3	X	310.92146	301.55707	62.43451	9.22418	0.2239863	0.21146680	2.7902380	21	7 19.6	19.5
333448 2003 UD_{288}	16.3	X	227.90641	37.32509	353.50095	1.50704	0.0852008	0.20246612	2.8723309	21	5 25.9	20.7
333449 2003 UR_{371}	16.3	X	275.86444	95.48431	288.41811	12.82193	0.1156568	0.21442423	2.7645226	21	7 9.9	20.0
333450 2003 WD_{75}	16.3	X	255.58167	9.13038	344.96635	5.71032	0.1527154	0.20061800	2.8899442	21	5 1.3	20.8
333451 2003 WW_{129}	15.9	X	219.90078	327.61625	59.03846	4.72865	0.1187163	0.19788755	2.9164670	21	5 10.8	20.4
333452 2003 WU_{179}	15.8	X	104.23247	253.62823	256.50441	11.81994	0.0293915	0.19699153	2.9253040	21	6 1.7	19.9
333453 2003 YS_{25}	16.8	X	232.07114	287.49228	74.46652	5.57242	0.1794741	0.30539899	2.1838576	21	4 12.9	20.1
333454 2004 BW_{44}	16.1	X	262.05582	280.89620	294.07919	22.02535	0.2371245	0.27849738	2.3223195	21	—	—
333455 2004 FE_{66}	16.5	X	236.88257	253.64752	339.14121	22.61601	0.1876247	0.27579658	2.3374561	21	—	—
333456 2004 OE_{13}	17.6	X	62.05392	78.94930	302.76357	17.92730	0.0763832	0.37059782	1.9195561	21	—	—
333457 2004 PF_{1}	16.9	X	184.10047	281.52647	331.73954	19.28224	0.0514623	0.36987419	1.9220589	21	—	—
333458 2004 PS_{2}	17.2	X	178.62525	148.31063	135.40168	24.38712	0.0800187	0.37372202	1.9088432	21	—	—
333459 2004 PQ_{31}	17.2	X	51.55826	220.36861	139.91619	4.39996	0.2460232	0.24515925	2.5283500	21	—	—
333460 2004 PD_{73}	16.9	X	47.00992	252.13152	112.15748	4.07309	0.2583453	0.24486664	2.5303638	21	—	—
333461 2004 PD_{93}	16.8	X	95.36192	255.12476	39.26448	5.48241	0.2024740	0.24655323	2.5188111	21	12 15.4	20.8
333462 2004 PW_{96}	16.4	X	0.49304	44.05330	334.64187	13.62705	0.0779549	0.24047770	2.5610586	21	11 14.9	19.8
333463 2004 QH_{12}	16.2	X	82.38199	193.86333	114.86432	14.97267	0.1804712	0.24392434	2.5368763	21	12 20.2	20.2
333464 2004 QH_{18}	15.8	X	344.83020	59.01629	282.70577	12.02801	0.3545774	0.22942702	2.6426501	21	8 21.1	17.2
333465 2004 QN_{27}	16.2	X	144.47773	280.29385	305.33949	14.20987	0.0879262	0.24087065	2.5582725	21	10 27.3	20.4
333466 2004 RF_{3}	15.5	X	299.22007	171.54848	248.87136	21.79277	0.0613345	0.23270812	2.6177511	21	10 3.8	19.2
333467 2004 RW_{6}	16.8	X	56.88633	202.17093	139.65349	13.23242	0.1829223	0.24307698	2.5427685	21	—	—
333468 2004 RX_{144}	17.4	X	51.57586	204.77865	130.47584	1.31894	0.1441383	0.24182087	2.5515663	21	12 14.5	20.7
333469 2004 RF_{151}	16.2	X	343.24509	185.87763	171.40895	14.86153	0.3008280	0.23067693	2.6330954	21	9 25.9	17.4
333470 2004 RV_{154}	16.6	X	77.09162	38.67568	251.72417	4.90903	0.1794384	0.24015308	2.5633660	21	11 20.6	20.5
333471 2004 RH_{178}	16.5	X	79.02734	350.31626	316.92650	11.96619	0.1922924	0.24221186	2.5488197	21	12 15.0	20.6
333472 2004 RC_{181}	17.5	X	38.99430	121.39106	223.57128	3.48480	0.2219017	0.24011926	2.5636066	21	12 22.2	20.8
333473 2004 RF_{211}	16.6	X	73.52968	50.89898	246.93772	10.44934	0.2516442	0.24158129	2.5532530	21	12 4.1	20.5
333474 2004 RH_{249}	17.3	X	74.44350	47.98472	320.17282	17.63422	0.1161219	0.36253500	1.9479124	21	—	—
333475 2004 RW_{322}	16.8	X	73.44198	122.33431	208.81926	12.25177	0.3408343	0.24323672	2.5416552	21	—	—
333476 2004 RA_{323}	17.3	X	22.07458	35.36046	334.82607	3.46915	0.2982593	0.23763839	2.5814179	21	—	—
333477 2004 SJ_{16}	17.2	X	24.60458	246.61805	98.64852	7.17269	0.2200338	0.23760427	2.5816650	21	12 3.3	20.1
333478 2004 SD_{20}	18.2	X	74.58341	94.47450	46.57522	21.33219	0.4649611	1.20373017	0.8752188	21	—	—
333479 2004 ST_{51}	16.2	X	32.73487	271.64454	45.94397	7.95284	0.2104439	0.23403220	2.6078682	21	11 5.4	19.2
333480 2004 TC_{10}	20.2	X	298.28268	136.01499	16.43265	14.10667	0.4073908	0.83101406	1.1204620	21	—	—
333481 2004 TB_{41}	17.4	X	45.24015	164.72904	171.78783	1.61759	0.2585771	0.23902560	2.5714205	21	12 23.6	20.9
333482 2004 TD_{91}	16.7	X	32.04071	273.41536	15.35522	11.28534	0.1767453	0.22800219	2.6536484	21	9 21.4	19.7
333483 2004 TT_{163}	16.7	X	26.72106	288.18206	43.74354	5.01177	0.2636505	0.23419097	2.6066894	21	11 23.7	19.6
333484 2004 VE_{16}	16.0	X	21.44661	260.50025	114.67031	13.94576	0.2454605	0.23638842	2.5905099	21	—	—
333485 2004 VG_{25}	16.7	X	32.13017	134.77091	258.02615	3.93288	0.2214851	0.24027780	2.5624788	21	—	—
333486 2004 VM_{36}	17.6	X	32.10250	105.99834	234.99450	4.31281	0.2994161	0.23580628	2.5947716	21	12 19.1	21.0
333487 2004 VV_{59}	16.1	X	309.38338	144.99682	252.60972	11.05433	0.1015915	0.22625600	2.6672843	21	9 14.2	19.5
333488 2004 WN_{1}	16.7	X	323.69825	336.37396	42.60576	5.14592	0.1503794	0.22604737	2.6689253	21	9 17.3	19.4
333489 2004 XQ_{7}	16.3	X	30.52254	339.48621	39.87326	5.10168	0.3007397	0.23753150	2.5821923	21	—	—
333490 2004 XC_{9}	16.1	X	337.70438	120.65665	264.44187	11.76307	0.2755802	0.22960193	2.6413078	21	10 19.1	18.2
333491 2004 XF_{41}	16.4	X	320.36518	83.49764	265.44639	3.68124	0.1753523	0.21992431	2.7182364	21	7 20.9	19.3
333492 2004 XX_{148}	16.7	X	301.00510	113.45138	288.61695	11.68151	0.2532351	0.22216607	2.6999200	21	8 15.5	19.8
333493 2004 XG_{164}	16.0	X	291.95496	141.87665	306.83899	14.36814	0.2385634	0.22503350	2.6769357	21	10 3.4	19.3
333494 2004 XG_{172}	16.3	X	331.19991	116.79278	265.14459	5.28438	0.2158904	0.22812093	2.6527275	21	9 28.1	18.6
333495 2005 AF_{17}	16.0	X	349.00591	263.15319	115.09583	13.45508	0.2700149	0.22684546	2.6626617	21	11 19.8	18.4
333496 2005 AX_{42}	15.6	X	335.40538	210.50138	298.60176	9.15844	0.1322713	0.17871630	3.1214756	21	—	—
333497 2005 BO_{15}	16.7	X	283.23797	97.48596	283.58410	6.78768	0.2240469	0.21454292	2.7635029	21	6 29.2	20.4
333498 2005 CG_{5}	15.9	X	338.93892	289.12554	144.76257	12.83703	0.3196791	0.22968532	2.6406685	21	—	—
333499 2005 CC_{18}	16.9	X	248.18266	113.80637	305.07536	5.65497	0.1038966	0.27081143	2.3660544	21	7 24.5	20.1
333500 2005 CT_{69}	15.2	X	312.79714	229.61291	338.39783	15.80759	0.1643338	0.17829110	3.1264365	21	1 14.9	19.8
333501 2005 CA_{81}	15.8	X	77.57989	221.63880	285.27947	7.87901	0.0639468	0.19355176	2.9598609	21	4 25.6	20.0
333502 2005 EW_{67}	15.5	X	335.89183	171.79680	2.51894	10.46970	0.1671097	0.17579044	3.1560161	21	1 1.5	19.8
333503 2005 EC_{212}	15.4	X	172.76780	39.79255	26.22331	9.83984	0.0721792	0.19359733	2.9593963	21	5 9.5	19.9
333504 2005 ES_{330}	15.4	X	346.15800	250.82426	297.01266	10.03115	0.0483161	0.18074528	3.0980713	21	2 11.2	19.7
333505 2005 GX_{70}	16.0	X	202.71399	307.00805	9.18880	10.30639	0.0576010	0.17369664	3.1813279	21	2 5.3	20.9
333506 2005 JK_{32}	17.8	X	344.30736	166.10052	48.47264	6.23437	0.1110452	0.30058374	2.2071189	21	2 16.9	20.1
333507 2005 JT_{97}	17.7	X	239.78297	233.46582	72.97521	8.07480	0.1474831	0.29490031	2.2353862	21	2 10.5	21.1
333508 Voiture	17.3	X	219.05091	187.06093	131.31352	7.81463	0.1399672	0.29111706	2.2547113	21	2 3.5	20.7
333509 2005 LD_{6}	16.4	X	152.49543	45.56889	247.61020	24.20733	0.2466478	0.27539296	2.3397395	21	—	—
333510 2005 MD	18.7	X	266.01697	202.51062	188.93165	20.73792	0.6075308	0.42254327	1.7588221	21	5 15.3	22.4
333511 2005 MR_{4}	17.6	X	185.85451	34.18284	287.02593	5.33797	0.2420429	0.28119309	2.3074535	21	1 13.9	21.4
333512 2005 MP_{20}	18.2	X	193.74968	203.69797	120.13253	3.35805	0.2161471	0.28257527	2.2999229	21	1 22.2	21.9
333513 2005 MV_{42}	17.4	X	189.57498	189.76158	133.22322	2.80425	0.1982715	0.28119687	2.3074328	21	1 16.6	20.8
333514 2005 NP_{10}	17.5	X	169.53470	85.61640	279.58038	3.06209	0.2166508	0.28407282	2.2918328	21	2 19.7	21.1
333515 2005 NY_{60}	17.5	X	188.19894	168.23057	144.17262	5.86655	0.1941769	0.28045011	2.3115270	21	1 2.2	21.1
333516 2005 NV_{82}	16.8	X	249.59088	276.26663	347.02313	5.92634	0.2293520	0.28610341	2.2809759	21	—	—
333517 2005 NP_{123}	17.7	X	186.32745	260.05499	72.16610	6.79078	0.2516447	0.28192693	2.3034476	21	1 29.9	21.6
333518 2005 OS_{9}	17.4	X	169.70375	219.16739	109.01099	4.85595	0.1634038	0.27790273	2.3256312	21	1 2.0	20.7
333519 2005 OC_{21}	17.5	X	211.98209	276.61895	346.83197	3.94252	0.2036901	0.27701425	2.3306012	21	—	—
333520 2005 OO_{25}	17.5	X	161.78674	28.89297	311.12363	5.70863	0.1330650	0.27775743	2.3264422	21	1 5.8	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333521 2005 PO	20.0	X	222.44022	249.47568	300.52088	12.51422	0.3731783	0.70345359	1.2521194	21	—	—
333522 2005 PB_2	16.9	X	210.24078	141.30480	139.57778	24.44743	0.1977266	0.27922993	2.3182561	21	—	—
333523 2005 QD_7	17.6	X	166.26746	185.91550	153.06935	3.54866	0.2198057	0.27722578	2.3294155	21	1 17.3	21.0
333524 2005 QM_{17}	17.8	X	139.17165	311.50362	36.91549	1.84473	0.2088385	0.27271463	2.3550335	21	1 1.2	20.8
333525 2005 QF_{28}	17.0	X	113.34505	256.13484	136.64292	5.29951	0.3280990	0.27213131	2.3583977	21	2 14.6	20.0
333526 2005 QT_{50}	17.5	X	196.53764	137.03222	144.31725	7.48268	0.2783229	0.27555908	2.3387990	21	—	—
333527 2005 QE_{171}	16.9	X	170.43355	35.41762	288.79967	4.80981	0.2471824	0.27571238	2.3379320	21	1 6.0	20.3
333528 2005 QF_{180}	16.9	X	193.26019	327.51246	326.79162	7.07906	0.1300409	0.27632602	2.3344694	21	—	—
333529 2005 RA_{23}	16.9	X	190.06841	129.71960	173.41786	22.38224	0.1785648	0.27721184	2.3294937	21	—	—
333530 2005 RJ_{25}	16.9	X	122.63059	94.73385	265.94521	5.31418	0.1144001	0.27017050	2.3697949	21	—	—
333531 2005 SU_5	17.5	X	118.00277	143.75050	229.80191	1.28321	0.2224427	0.27102830	2.3647920	21	1 9.5	20.1
333532 2005 SZ_{64}	17.4	X	141.10856	68.97387	285.02416	2.43991	0.2288171	0.27336991	2.3512686	21	1 12.9	20.6
333533 2005 SH_{85}	17.9	X	163.11340	107.87192	183.66858	1.95607	0.2005505	0.26816597	2.3815897	21	—	—
333534 2005 SC_{98}	16.6	X	95.14768	111.56046	239.72543	6.10829	0.1280678	0.26333272	2.4106426	21	—	—
333535 2005 SM_{119}	16.5	X	149.73332	203.79769	140.89918	10.19409	0.2003489	0.27214555	2.3583154	21	1 6.8	19.8
333536 2005 SG_{127}	17.7	X	170.01490	128.00351	178.68773	2.06362	0.1534392	0.27093810	2.3653169	21	—	—
333537 2005 SC_{180}	15.0	X	43.20247	23.51523	297.46870	3.17302	0.2307395	0.12590960	3.9424255	21	11 7.2	20.2
333538 2005 SB_{208}	17.6	X	144.62269	119.62754	230.66446	5.07624	0.2390535	0.27241400	2.3567659	21	1 12.4	21.0
333539 2005 SU_{220}	17.4	X	168.92922	65.25949	275.75230	5.54174	0.2972041	0.27565150	2.3382762	21	1 27.7	21.3
333540 2005 SA_{253}	16.6	X	208.30153	180.36607	152.00940	5.70125	0.1688211	0.28095539	2.3087547	21	2 12.4	20.3
333541 2005 TT_{14}	16.8	X	167.11562	241.67369	67.23511	7.45908	0.1259201	0.27211520	2.3584908	21	—	—
333542 2005 TS_{41}	17.0	X	121.03054	99.02978	244.71535	4.93896	0.1235386	0.26700712	2.3884757	21	—	—
333543 2005 TL_{81}	15.2	X	74.75215	349.24527	279.19852	3.14419	0.1793778	0.12322014	3.9995850	21	10 7.2	20.9
333544 2005 TR_{175}	17.6	X	149.98402	180.35374	140.04436	5.94954	0.2065648	0.27026289	2.3692548	21	—	—
333545 2005 UW_{43}	17.6	X	165.63715	81.08752	244.59191	3.33747	0.1660063	0.27209158	2.3586273	21	—	—
333546 2005 UA_{44}	17.1	X	145.47399	263.94289	57.48963	3.06613	0.2395380	0.26920635	2.3754498	21	—	—
333547 2005 US_{76}	17.0	X	99.79919	326.84153	40.12367	8.16361	0.1832086	0.26405961	2.4062167	21	—	—
333548 2005 UB_{91}	16.6	X	136.48487	16.76796	272.93006	5.25793	0.1064339	0.25763263	2.4460696	21	—	—
333549 2005 UQ_{97}	17.4	X	127.61498	198.18541	99.96137	3.53016	0.1633324	0.25824679	2.4421899	21	—	—
333550 2005 UJ_{108}	17.6	X	131.37517	247.46533	82.58354	3.40532	0.2119484	0.26495654	2.4007833	21	—	—
333551 2005 UR_{141}	17.1	X	145.76142	274.77220	70.52745	5.52886	0.2829893	0.27096273	2.3651735	21	1 14.3	20.6
333552 2005 UO_{369}	16.6	X	107.56597	129.20494	93.96212	5.69152	0.2123367	0.23635324	2.5907669	21	10 3.9	20.8
333553 2005 UN_{460}	18.2	X	115.27036	80.81751	236.47185	19.84260	0.0627197	0.38168037	1.8822162	21	—	—
333554 2005 VT_8	17.5	X	111.06248	248.52547	76.67112	3.96451	0.1183135	0.26015103	2.4302578	21	—	—
333555 2005 VY_{17}	17.3	X	176.40677	66.46629	79.13356	25.40254	0.4386620	0.35229438	1.9854803	21	9 5.6	21.8
333556 2005 VV_{89}	16.7	X	148.04349	329.57169	253.06044	16.01618	0.0811039	0.24254985	2.5464513	21	10 31.4	20.7
333557 2005 VX_{128}	16.7	X	162.41944	89.35207	179.02213	6.76106	0.0258964	0.26036056	2.4289538	21	—	—
333558 2005 WR_{16}	17.3	X	125.51465	244.04162	74.92386	1.92107	0.2512408	0.26023166	2.4297558	21	—	—
333559 2005 WB_{58}	17.8	X	11.22249	238.23750	250.91549	20.02002	0.1154497	0.38878458	1.8592168	21	—	—
333560 2005 XL_{73}	16.5	X	72.76065	41.33875	279.81189	14.40801	0.1444154	0.24613595	2.5216570	21	12 21.9	20.3
333561 2005 YP_{59}	15.6	X	41.50854	271.35564	301.93043	11.84371	0.1658386	0.21289770	2.7777218	21	6 15.9	18.8
333562 2005 YC_{135}	16.2	X	55.84632	353.33731	300.02038	11.79054	0.1254605	0.23444103	2.6048355	21	10 16.5	19.9
333563 2005 YU_{168}	17.0	X	329.51567	166.55738	316.21745	17.91571	0.0987375	0.37486009	1.9049778	21	—	—
333564 2005 YN_{189}	17.0	X	40.32797	53.73873	276.70434	6.06208	0.1426462	0.23932020	2.5693098	21	11 22.5	20.2
333565 2006 AJ_{34}	17.1	X	45.31112	306.81578	139.17475	24.93049	0.0887093	0.38331989	1.8768453	21	—	—
333566 2006 AY_{74}	17.5	X	60.28173	83.71828	329.74948	18.47282	0.0946770	0.38119604	1.8838101	21	—	—
333567 2006 BN_8	17.3	X	167.40735	331.82886	311.75058	17.65856	0.0794358	0.37559119	1.9025049	21	—	—
333568 2006 BL_{30}	15.8	X	52.71606	244.81427	323.98401	12.13800	0.0786137	0.21247328	2.7814196	21	6 16.1	19.5
333569 2006 BY_{154}	16.1	X	338.01852	231.21191	137.35309	12.45752	0.1323231	0.22824740	2.6517474	21	10 3.5	19.1
333570 2006 BO_{157}	15.5	X	12.47883	9.33330	345.06873	14.27706	0.2008943	0.23023903	2.6364331	21	11 14.4	18.7
333571 2006 BV_{179}	16.5	X	16.57225	139.49266	131.06126	6.97766	0.0304777	0.21729303	2.7401364	21	7 11.9	20.1
333572 2006 DO_{189}	16.5	X	292.79230	21.44817	11.70201	5.97837	0.1228127	0.22084233	2.7106982	21	8 17.4	19.8
333573 2006 HY_{69}	15.9	X	297.86018	98.05486	155.23905	14.30293	0.0968450	0.18557275	3.0441070	21	2 24.6	20.3
333574 2006 HO_{104}	16.2	X	248.32943	167.07339	135.23737	12.49070	0.1403697	0.18459172	3.0548829	21	2 27.1	21.0
333575 2006 JU_{34}	16.7	X	246.33623	234.51475	56.32386	1.25136	0.1346821	0.18302937	3.0722427	21	2 11.4	21.5
333576 2006 JE_{47}	15.3	X	261.89447	15.83706	246.18601	19.68592	0.2137138	0.18042986	3.1016809	21	1 12.7	20.7
333577 2006 KQ_{62}	15.6	X	228.52470	243.78966	100.68730	10.20458	0.1129585	0.18831092	3.0145261	21	4 3.9	20.4
333578 2006 KM_{103}	20.1	X	156.39132	196.98828	169.46239	11.68132	0.3765899	0.49937395	1.5734470	21	1 23.2	21.1
333579 2006 SO_{174}	17.2	X	211.62388	268.42956	203.71002	11.38099	0.1591541	0.25476094	2.4644168	21	8 13.3	21.3
333580 2006 SQ_{315}	17.4	X	241.09661	207.51089	39.90096	6.30408	0.1816893	0.29098773	2.2553793	21	—	—
333581 2006 WT_{34}	17.4	X	1.67214	113.82952	140.76659	3.34390	0.0072165	0.23880354	2.5730143	21	5 29.4	20.7
333582 2006 WK_{144}	17.5	X	249.48707	197.55292	137.30733	4.58042	0.1968598	0.30399027	2.1905992	21	3 23.3	20.8
333583 2006 XE_{27}	16.8	X	1.62686	178.88874	313.27536	7.40342	0.1002550	0.27633388	2.3344252	21	—	—
333584 2006 XJ_{69}	17.2	X	217.03678	114.98176	92.52355	5.21773	0.1290743	0.26059638	2.4274882	21	12 28.0	20.4
333585 2006 YB_1	17.3	X	219.66469	264.99928	83.68314	5.75874	0.1910906	0.29826791	2.2185286	21	3 16.5	20.9
333586 2007 AS_{26}	17.1	X	184.80050	120.70416	120.48573	8.22375	0.0784782	0.26053538	2.4278671	21	—	—
333587 2007 BS_{16}	17.3	X	9.71037	36.54288	74.06865	2.70589	0.1378636	0.27174336	2.3606418	21	—	—
333588 2007 BL_{33}	16.6	X	141.03948	156.80688	122.77565	7.25320	0.1272978	0.26013369	2.4303658	21	—	—
333589 2007 CR_9	16.6	X	181.76734	53.48287	166.26105	8.45111	0.1097299	0.25432567	2.4672278	21	12 6.5	20.3
333590 2007 CU_{26}	16.2	X	72.96007	223.07135	72.60367	13.43855	0.2607957	0.23906410	2.5711444	21	12 1.8	20.3
333591 2007 CM_{29}	16.8	X	161.04238	107.05447	132.44319	16.04976	0.0943341	0.25468499	2.4649067	21	12 11.9	20.7
333592 2007 CP_{64}	17.4	X	155.39455	145.65279	77.73220	1.80375	0.0954868	0.24448100	2.5330240	21	11 12.1	21.0
333593 2007 DQ_{109}	16.8	X	99.73259	122.51498	165.05775	7.69890	0.2295701	0.24341800	2.5403931	21	12 13.3	21.1
333594 2007 EW_{17}	16.7	X	61.52422	332.38724	356.50656	3.40553	0.1641704	0.24629949	2.5205406	21	12 21.3	20.4
333595 2007 ER_{96}	15.7	X	167.54299	283.05008	15.00768	11.84690	0.1379667	0.18559899	3.0438201	21	—	—
333596 2007 EP_{99}	16.3	X	52.30616	262.50453	354.57821	8.58268	0.2481142	0.22685170	2.6626129	21	9 17.9	19.6
333597 2007 FU_{16}	16.6	X	76.81818	106.01007	159.66720	11.66969	0.2578280	0.23652451	2.5895161	21	11 1.5	20.8
333598 2007 FQ_{20}	16.0	X	85.64806	127.61036	144.03550	14.71958	0.1856536	0.23700244	2.5860337	21	11 11.4	20.2
333599 2007 GH	16.1	X	90.57439	29.73714	205.01661	13.63022	0.0807577	0.23048388	2.6345656	21	9 9.4	20.0
333600 2007 GB_7	17.2	X	42.06793	121.72845	190.70916	13.00889	0.2900282	0.23303770	2.6152824	21	11 24.8	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333601 2007 GG_{18}	16.6	X	128.37492	81.48943	146.21828	12.82950	0.1312973	0.23524972	2.5988625	21	10 25.2	20.8
333602 2007 GA_{27}	16.5	X	19.27452	168.05876	101.94550	5.59115	0.1834862	0.21786256	2.7353589	21	7 29.1	19.1
333603 2007 GW_{34}	16.8	X	49.50808	66.58341	180.86703	7.75428	0.2205725	0.22442815	2.6817472	21	8 25.3	20.0
333604 2007 GS_{44}	17.0	X	350.57394	229.86351	70.58626	3.73919	0.1695248	0.21828006	2.7318698	21	7 11.8	19.7
333605 2007 HX_{81}	17.0	X	89.90475	136.03538	90.33470	8.45497	0.0445726	0.22584748	2.6704998	21	8 30.1	20.7
333606 2007 JW_{35}	16.1	X	351.72095	201.12730	101.57294	10.88054	0.2730131	0.21634093	2.7481700	21	7 13.7	18.0
333607 2007 LY	16.6	X	62.07198	96.60570	140.01558	11.55432	0.1193027	0.21940292	2.7225412	21	8 13.7	20.2
333608 2007 LA_{3}	16.0	X	81.93795	327.54435	102.87089	11.46185	0.1006169	0.19251970	2.9704296	21	2 3.2	19.9
333609 2007 LR_{11}	16.8	X	20.96931	190.43283	90.52540	6.38909	0.0351281	0.22058532	2.7128034	21	8 3.9	20.3
333610 2007 PT_{24}	15.0	X	129.24204	80.61672	322.34237	14.20380	0.0848931	0.17829252	3.1264198	21	2 24.7	19.7
333611 2007 QC_{16}	15.5	X	229.34027	244.14077	55.09832	18.87066	0.2239340	0.18151376	3.0893208	21	2 8.8	21.1
333612 2007 RB_{11}	15.9	X	198.01055	332.39960	8.54539	10.17160	0.0794278	0.17892248	3.1190771	21	2 28.2	20.7
333613 2007 RW_{227}	17.0	X	84.91566	340.59935	38.66556	5.28792	0.0950178	0.22720974	2.6598149	21	—	—
333614 2007 RN_{247}	16.4	X	214.95942	218.49843	129.20383	2.57972	0.1230113	0.18698739	3.0287343	21	3 21.2	21.1
333615 2007 SD_{1}	15.3	X	191.60958	65.78619	305.75176	14.74456	0.2862000	0.18272886	3.0756101	21	3 21.2	21.1
333616 2007 TX_{19}	16.2	X	222.29220	49.85696	289.25604	1.37098	0.2275659	0.18309085	3.0715550	21	3 13.2	21.5
333617 2007 TX_{82}	15.7	X	214.52806	125.77677	229.22420	9.02624	0.0744373	0.18225548	3.0809335	21	3 27.8	20.4
333618 2007 TJ_{325}	16.8	X	218.63678	109.62394	224.82261	14.03866	0.3059728	0.18171840	3.0870011	21	2 27.4	22.6
333619 2007 TP_{374}	16.2	X	214.17547	108.92540	207.02654	10.12173	0.0946135	0.17630157	3.1499132	21	2 9.1	21.3
333620 2007 TP_{393}	15.7	X	155.32344	104.09858	299.99341	14.55411	0.2184261	0.17936428	3.1139531	21	3 29.9	21.2
333621 2007 VS_{1}	17.3	X	114.51159	69.39441	225.26413	20.12614	0.0583628	0.36481911	1.9397734	21	—	—
333622 2007 VZ_{4}	16.2	X	174.98527	236.72224	134.88503	11.13643	0.2330196	0.17774039	3.1328910	21	3 19.4	21.7
333623 2007 VD_{5}	15.7	X	152.50391	86.55574	288.04864	8.07158	0.1033685	0.17423476	3.1747742	21	2 18.2	20.6
333624 2007 VW_{93}	14.9	X	182.51817	346.58003	254.98537	8.63755	0.0191623	0.14741358	3.5490413	21	12 19.7	20.1
333625 2007 VB_{111}	15.2	X	42.63000	350.83942	59.17925	6.31660	0.0785857	0.15114945	3.4903180	21	—	—
333626 2008 AT_{10}	17.5	X	182.07513	271.38681	129.11365	11.20555	0.1463349	0.24354247	2.5395274	21	4 22.7	21.7
333627 2008 ED_{43}	17.6	X	191.91170	134.00404	138.35330	3.02167	0.1976792	0.27322383	2.3521066	21	—	—
333628 2008 EQ_{88}	17.6	X	306.98256	126.34849	74.91998	3.87871	0.1269874	0.28948085	2.2631994	21	—	—
333629 2008 EF_{168}	17.8	X	193.41321	139.75771	148.78218	3.42837	0.2114503	0.27677462	2.3319462	21	—	—
333630 2008 FX_{15}	17.6	X	178.19187	171.64230	99.14520	5.61848	0.2409654	0.26840338	2.3801851	21	—	—
333631 2008 GN_{50}	17.3	X	226.11600	211.96999	35.23768	3.66460	0.1748638	0.27746256	2.3280901	21	—	—
333632 2008 GH_{52}	17.9	X	210.91069	88.27369	172.73198	2.24557	0.1938929	0.27629838	2.3346251	21	—	—
333633 2008 GR_{97}	17.2	X	186.56529	279.15965	37.60079	5.66741	0.1567530	0.27942425	2.3171811	21	1 4.4	20.7
333634 2008 GG_{128}	16.6	X	207.36875	156.93367	121.86075	24.94719	0.1935058	0.27569430	2.3380342	21	—	—
333635 2008 KT_{39}	17.9	X	186.87573	227.96090	91.97579	3.76212	0.2503334	0.27638185	2.3341550	21	1 14.8	21.8
333636 Reboul	17.0	X	17.77511	211.65956	163.27914	13.88306	0.2781709	0.23773977	2.5806840	21	—	—
333637 2008 QZ_{10}	16.5	X	41.95779	139.62390	168.84962	7.40203	0.2031152	0.23346051	2.6121238	21	11 7.1	19.8
333638 2008 QL_{11}	16.3	X	33.11612	11.20974	291.35082	11.42977	0.1841347	0.23179420	2.6246275	21	10 4.6	19.6
333639 Yaima	16.5	X	160.43563	83.53247	131.28165	15.63989	0.0608516	0.24365724	2.5387299	21	11 12.8	20.5
333640 2008 QB_{22}	16.8	X	96.13988	5.52756	269.81757	5.84537	0.2772738	0.24192579	2.5508286	21	11 27.8	21.2
333641 2008 QH_{22}	16.0	X	344.53360	33.57087	309.44467	11.27318	0.1066452	0.22564623	2.6720874	21	8 30.3	19.1
333642 2008 QC_{29}	16.3	X	14.73502	153.75896	201.99833	13.31824	0.2078177	0.23288446	2.6164295	21	11 28.9	19.3
333643 2008 QM_{32}	16.1	X	309.32222	72.91884	297.61964	7.87853	0.2312557	0.21825815	2.7320527	21	7 23.4	19.1
333644 2008 QZ_{37}	16.8	X	308.95812	20.42892	2.75580	5.30307	0.1749320	0.22347793	2.6893436	21	8 21.9	19.7
333645 2008 RM_{2}	17.3	X	29.88483	99.96770	218.57797	3.07570	0.1729172	0.23171429	2.6252309	21	10 26.5	20.2
333646 2008 RT_{16}	16.4	X	315.87269	117.81809	271.34317	2.65024	0.1139223	0.22632944	2.6667073	21	9 16.6	19.4
333647 2008 RB_{74}	16.8	X	8.93554	180.52358	178.97319	4.17421	0.1678698	0.23398370	2.6082286	21	11 18.3	19.6
333648 2008 RJ_{107}	16.1	X	1.58189	15.01203	303.94076	7.18636	0.1425001	0.22581496	2.6707562	21	8 29.5	18.9
333649 2008 RG_{117}	16.1	X	353.52549	37.71476	284.26436	12.49057	0.1804952	0.22394948	2.6855671	21	8 15.4	18.8
333650 2008 SG_{5}	15.8	X	255.87795	292.80135	101.93495	4.63028	0.0847316	0.21376655	2.7701900	21	7 3.1	19.7
333651 2008 SV_{6}	16.8	X	347.03324	197.95306	142.85997	6.88502	0.1748154	0.22417910	2.6837330	21	9 5.9	19.2
333652 2008 SP_{12}	16.4	X	12.07109	110.23962	168.81873	16.00092	0.1414586	0.22230579	2.6987886	21	7 21.5	19.6
333653 2008 SN_{29}	16.2	X	219.59176	152.96226	278.68292	2.28047	0.0810851	0.21250286	2.7811614	21	7 8.6	20.2
333654 2008 SK_{43}	17.5	X	52.99736	248.79389	7.43971	5.93407	0.2686158	0.22669635	2.6638292	21	9 21.6	20.9
333655 2008 SU_{51}	16.8	X	358.29164	346.01432	0.40525	1.23345	0.1792458	0.22770467	2.6559593	21	10 8.6	19.3
333656 2008 SE_{60}	16.0	X	14.53203	26.33828	281.43049	14.23899	0.1740541	0.22324405	2.6912216	21	9 3.9	19.1
333657 2008 SS_{60}	16.2	X	46.39254	5.46827	310.46376	13.90071	0.2130037	0.23243862	2.6197742	21	11 18.1	20.0
333658 2008 SJ_{74}	15.8	X	356.86139	138.27433	213.94086	14.33697	0.1665066	0.22720908	2.6598201	21	10 11.6	18.6
333659 2008 SD_{146}	16.9	X	338.61300	47.57788	276.55108	5.19060	0.0795575	0.21907959	2.7252192	21	7 27.1	20.0
333660 2008 ST_{161}	17.0	X	90.06899	138.46837	154.90557	4.06024	0.2741558	0.24120923	2.5558779	21	12 14.6	21.3
333661 2008 SU_{163}	16.4	X	22.94508	131.79562	183.16411	13.30993	0.2749549	0.22980336	2.6397642	21	10 29.3	19.2
333662 2008 SB_{174}	15.8	X	311.84366	90.73187	286.56467	13.28333	0.1257691	0.22346148	2.6894756	21	8 17.9	19.1
333663 2008 SZ_{240}	16.6	X	320.11350	235.96380	111.57402	2.84613	0.0869888	0.21949098	2.7218129	21	7 30.5	19.8
333664 2008 ST_{244}	16.3	X	22.48667	182.33677	153.48810	5.45348	0.2616061	0.23219369	2.6216162	21	11 23.6	19.3
333665 2008 SB_{249}	16.6	X	41.13689	234.58722	74.37376	7.57496	0.3313033	0.23290227	2.6162962	21	11 24.1	20.0
333666 2008 SR_{282}	15.7	X	22.55295	38.09385	319.34568	15.24868	0.2037686	0.23290500	2.6162757	21	12 11.7	19.2
333667 2008 SQ_{284}	16.5	X	318.34633	31.44772	330.54676	4.13423	0.1756159	0.21888537	2.7268311	21	8 6.7	19.2
333668 2008 SK_{291}	16.0	X	51.46422	312.11953	323.13969	12.38911	0.2567675	0.22970980	2.6404809	21	10 6.2	19.7
333669 2008 SC_{295}	16.2	X	15.58389	11.67079	292.88229	13.22012	0.2457790	0.22585292	2.6704569	21	9 12.2	19.0
333670 2008 SC_{302}	16.2	X	295.92623	198.23376	145.09355	7.40610	0.0529648	0.21008729	2.8024391	21	6 22.6	20.0
333671 2008 SG_{306}	16.5	X	56.63734	78.43555	206.19320	14.49165	0.1367642	0.23056479	2.6339491	21	10 13.0	19.8
333672 2008 TE_{29}	17.1	X	338.83363	131.42016	229.71306	1.23667	0.1356364	0.22627448	2.6671391	21	9 18.2	19.8
333673 2008 TG_{29}	17.3	X	36.52812	119.72152	204.38743	4.42356	0.2080993	0.23359566	2.6111162	21	11 19.5	20.5
333674 2008 TC_{52}	15.7	X	331.05769	2.37345	242.55239	11.32248	0.0380791	0.19783577	2.9169759	21	3 31.4	19.8
333675 2008 TK_{80}	16.7	X	338.74248	300.16958	31.86890	5.32091	0.1220450	0.21982101	2.7190879	21	8 8.9	19.7
333676 2008 TG_{121}	16.2	X	303.32356	291.57234	80.50279	9.03160	0.1927979	0.21821646	2.7324006	21	7 22.9	19.5
333677 2008 TK_{128}	16.7	X	5.65653	141.03183	183.29761	13.96040	0.1242363	0.22474772	2.6792044	21	9 14.2	19.5
333678 2008 TT_{129}	16.5	X	289.58227	358.93984	358.91732	6.78429	0.0726828	0.21191830	2.7862735	21	6 30.9	20.3
333679 2008 TF_{163}	16.8	X	43.25478	238.25624	111.47119	7.12033	0.3516827	0.23841243	2.5758276	21	—	—
333680 2008 TV_{172}	15.8	X	8.29369	233.69327	126.36801	14.48556	0.2948921	0.22911497	2.6450491	21	12 8.9	18.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333681 2008 TT_{174}	16.5	X	202.45546	111.75994	173.63965	16.30588	0.1479051	0.18095565	3.0956697	21	—	—
333682 2008 TK_{181}	16.0	X	287.62027	244.96048	127.83513	9.20505	0.1470173	0.21487285	2.7606733	21	7 5.9	19.5
333683 2008 TL_{181}	16.3	X	303.88606	242.89546	143.41859	14.04670	0.1282832	0.22153135	2.7050746	21	8 22.9	19.5
333684 2008 UJ_{27}	16.6	X	238.19715	164.80599	194.20214	2.97386	0.0787756	0.19913128	2.9043106	21	4 28.6	20.8
333685 2008 UU_{90}	17.0	X	296.24979	57.05050	302.49071	1.46263	0.1440478	0.21415455	2.7668430	21	6 30.9	20.5
333686 2008 UC_{92}	15.0	X	178.90780	230.49845	140.40223	28.09632	0.2184848	0.17306479	3.1890665	21	3 23.1	20.7
333687 2008 UU_{93}	16.0	X	311.32598	271.79912	78.68582	14.77357	0.2640547	0.21494038	2.7600951	21	6 21.5	19.1
333688 2008 UU_{108}	16.4	X	245.37939	4.81758	348.16057	5.43826	0.0973058	0.19697105	2.9255068	21	4 25.0	20.9
333689 2008 UG_{121}	15.6	X	87.29383	193.03217	283.06629	8.41697	0.1109244	0.18603402	3.0390730	21	4 5.4	20.0
333690 2008 UC_{170}	16.0	X	3.10984	70.40011	234.20878	8.14507	0.1073220	0.21862307	2.7290116	21	8 7.7	19.2
333691 2008 UE_{176}	15.9	X	292.64900	143.09265	225.56544	8.59150	0.2311804	0.21508104	2.7588916	21	6 23.3	19.6
333692 2008 UN_{182}	16.6	X	213.18397	261.58181	153.03986	2.27890	0.0506692	0.20524114	2.8463815	21	6 11.6	20.7
333693 2008 UG_{217}	16.0	X	252.81318	194.51506	40.73059	5.40980	0.1423100	0.18167559	3.0874860	21	—	—
333694 2008 UM_{241}	15.9	X	311.85445	230.62474	136.50572	12.39892	0.1359325	0.21958147	2.7210650	21	8 7.2	18.9
333695 2008 UL_{280}	16.2	X	340.82847	209.19092	158.41469	13.45328	0.2131768	0.22401033	2.6850807	21	10 5.8	18.6
333696 2008 UG_{315}	16.2	X	281.57881	89.63167	234.39251	0.84007	0.1772148	0.20001144	2.8957839	21	4 21.0	20.4
333697 2008 UG_{364}	16.1	X	0.78541	242.04158	100.74392	11.31473	0.2214351	0.22846992	2.6500253	21	10 20.4	18.7
333698 2008 VM_{19}	16.4	X	298.90901	120.10143	243.88698	12.00880	0.1621333	0.21289510	2.7777443	21	7 6.1	20.0
333699 2008 WU_{7}	16.7	X	220.40566	351.75560	54.61370	2.96099	0.0952322	0.20389259	2.8589184	21	6 5.8	20.9
333700 2008 WP_{18}	16.5	X	272.99052	144.79045	220.46834	1.37468	0.0922068	0.20845240	2.8170731	21	6 14.7	20.5
333701 2008 WK_{59}	16.5	X	357.47013	260.45758	86.15785	6.35513	0.2613889	0.22567911	2.6718279	21	10 19.4	18.6
333702 2008 WK_{98}	15.9	X	264.94729	9.75087	294.77965	9.86704	0.0296332	0.19101270	2.9860327	21	3 22.9	20.4
333703 2008 WB_{141}	15.8	X	231.34625	263.82975	80.50174	9.96481	0.0979306	0.19207107	2.9750533	21	4 6.9	20.5
333704 2008 XZ_{2}	16.3	X	238.57281	72.12445	296.19900	1.13913	0.1205229	0.19913830	2.9042424	21	5 6.2	20.6
333705 2008 XL_{14}	16.1	X	195.95297	107.11533	261.58456	7.89684	0.0553282	0.18866360	3.0107681	21	3 22.9	20.8
333706 2008 XQ_{46}	15.9	X	300.86143	300.88594	263.30369	4.47682	0.1073789	0.17427305	3.1743091	21	—	—
333707 2008 YT_{30}	19.4	X	128.21890	334.11628	269.58048	16.14175	0.2752848	0.68904924	1.2695093	21	—	—
333708 2008 YZ_{58}	15.0	X	173.09610	99.15651	290.03854	21.25356	0.1228393	0.18155412	3.0888630	21	3 18.5	20.3
333709 2008 YD_{122}	15.2	X	136.98288	41.63469	270.26686	8.78468	0.0949113	0.15383247	3.4496156	21	—	—
333710 2009 AX_{5}	16.1	X	153.96285	337.71404	67.98569	2.97675	0.1370082	0.18101415	3.0950027	21	4 3.2	21.0
333711 2009 BT_{3}	15.4	X	101.86652	274.53654	141.89605	17.48709	0.1751680	0.17073687	3.2179887	21	2 26.2	19.9
333712 2009 DW_{16}	14.9	X	220.95220	48.61787	333.64817	22.79854	0.3116499	0.18628676	3.0363236	21	4 16.8	20.8
333713 2009 DJ_{138}	16.9	X	14.95452	242.63732	185.06128	7.87382	0.1408989	0.22280022	2.6947944	21	—	—
333714 2009 QN_{57}	17.8	X	253.43806	357.55041	328.37691	8.41119	0.2310592	0.30223053	2.1990942	21	3 9.9	21.3
333715 2009 RD_{10}	18.1	X	289.89322	297.67115	346.36957	1.97868	0.1748467	0.30367243	2.1921275	21	2 26.3	20.8
333716 2009 RG_{52}	18.1	X	75.51341	194.09926	162.21892	1.80417	0.1887373	0.26546907	2.3976922	21	—	—
333717 Alexgreaves	17.8	X	146.85911	182.43349	220.02412	4.96918	0.1487250	0.29126686	2.2539382	21	3 8.5	20.8
333718 2009 SZ_{59}	17.9	X	271.88430	9.99260	276.72866	3.41046	0.1931870	0.29882027	2.2157938	21	2 8.9	21.2
333719 2009 SC_{117}	18.4	X	263.79696	347.29638	326.92981	4.07875	0.1706156	0.30322030	2.1943060	21	3 9.7	21.5
333720 2009 SR_{148}	17.8	X	207.70625	93.24952	274.57782	4.11802	0.1903301	0.29904375	2.2146897	21	3 24.8	21.4
333721 2009 SG_{310}	17.8	X	270.57737	294.78613	352.51802	3.24187	0.2080782	0.30005297	2.2097209	21	2 8.9	21.1
333722 2009 SX_{325}	17.0	X	241.75846	258.40553	71.43769	7.30302	0.2275334	0.30002915	2.2098379	21	3 11.3	20.7
333723 2009 TT_{22}	17.5	X	203.06178	264.27600	102.66319	5.66364	0.2099990	0.29676865	2.2259042	21	3 25.3	21.2
333724 2009 TG_{35}	17.4	X	227.01747	281.38526	57.05138	5.24877	0.1872021	0.29609049	2.2293918	21	3 9.9	20.9
333725 2009 TX_{39}	17.1	X	262.87968	280.71074	64.22132	8.45142	0.2427690	0.30815624	2.1708113	21	4 15.6	20.5
333726 2009 US_{14}	17.1	X	220.70957	125.86134	254.98989	4.27749	0.2123554	0.30321571	2.1943282	21	4 22.4	20.7
333727 2009 UM_{59}	17.7	X	229.23263	218.05302	98.85426	6.66155	0.2183710	0.29432410	2.2383028	21	2 11.7	21.4
333728 2009 UQ_{87}	17.2	X	178.67112	144.55148	229.88030	4.73499	0.1880835	0.29001275	2.2604313	21	3 8.1	20.7
333729 2009 UJ_{106}	17.5	X	65.80637	131.40610	295.26858	0.53031	0.1643817	0.27098619	2.3650370	21	—	—
333730 2009 UN_{110}	17.7	X	209.85500	269.21717	49.64582	3.29863	0.2500937	0.28744289	2.2738842	21	1 30.5	21.6
333731 2009 VF_{31}	16.9	X	186.29078	296.41126	22.43660	6.42789	0.1536105	0.27904638	2.3192725	21	1 6.9	20.4
333732 2009 VN_{41}	17.5	X	151.96907	273.11252	84.67978	5.55126	0.1159976	0.27927935	2.3179825	21	1 14.9	20.6
333733 2009 VV_{71}	17.6	X	244.75892	54.52089	265.23952	4.31315	0.2233785	0.29542691	2.2327290	21	2 23.9	21.4
333734 2009 VS_{107}	16.9	X	170.78295	196.60215	59.34610	5.97333	0.0831317	0.26033702	2.4291002	21	—	—
333735 2009 VB_{110}	17.4	X	187.88708	218.68845	105.79791	3.65091	0.1915001	0.28139398	2.3063551	21	1 16.8	20.8
333736 2009 WX_{40}	15.9	X	55.93563	13.03912	256.42744	12.29674	0.1556377	0.23012906	2.6372729	21	9 18.7	19.6
333737 2009 WM_{100}	16.0	X	231.69511	331.80919	104.35244	9.53930	0.1557009	0.21672557	2.7449174	21	7 21.5	20.2
333738 2009 WE_{170}	17.0	X	150.42534	332.03335	26.28031	5.04648	0.1651066	0.27754831	2.3276106	21	1 21.5	20.2
333739 2009 WO_{180}	17.8	X	156.90644	200.74164	120.69569	3.00477	0.2180110	0.27154689	2.3617803	21	—	—
333740 2009 XB	16.3	X	10.28413	155.44250	261.45270	9.21443	0.0434896	0.25963460	2.4334794	21	—	—
333741 2009 XM_{5}	16.7	X	38.33851	179.56301	92.66283	6.22717	0.2311910	0.22698010	2.6616086	21	9 18.5	19.8
333742 2009 XT_{16}	16.4	X	35.75766	245.44953	101.97748	15.62364	0.1567582	0.24002697	2.5642637	21	12 13.1	19.7
333743 2009 YQ_{5}	17.8	X	265.24591	127.35908	296.19799	4.11694	0.1021092	0.31050285	2.1598603	21	8 25.3	20.0
333744 2009 YW_{6}	16.8	X	266.31877	150.55075	295.44001	6.89482	0.1664471	0.23185742	2.6241504	21	9 8.6	20.4
333745 2010 AP_{41}	16.1	X	259.43306	258.97786	127.06989	7.37173	0.0815047	0.21382229	2.7697085	21	6 26.5	19.9
333746 2010 AJ_{46}	16.5	X	330.28546	61.55850	290.11904	6.30075	0.0802934	0.22220168	2.6996315	21	8 20.4	19.8
333747 2010 AM_{74}	15.2	X	339.26579	279.32979	283.72551	10.08282	0.0999626	0.18548399	3.0450781	21	2 12.7	19.3
333748 2010 AF_{75}	15.5	X	339.86005	65.40977	110.03562	18.06074	0.1144667	0.17960157	3.1112097	21	1 13.5	19.6
333749 2010 AT_{80}	16.6	X	124.82889	246.65739	112.00398	11.54548	0.2384567	0.26406919	2.4061585	21	1 3.1	19.6
333750 2010 BB_{2}	16.6	X	355.06386	166.60371	243.48821	6.96603	0.1728139	0.24517763	2.5282236	21	—	—
333751 2010 EL_{2}	15.6	X	231.37988	358.67350	356.16259	10.79499	0.0889434	0.19282509	2.9672924	21	4 12.2	20.2
333752 2010 EM_{43}	16.4	X	37.90692	135.01550	4.04973	5.15298	0.1298979	0.18166343	3.0876237	21	2 28.1	19.9
333753 2010 FH_{57}	15.6	X	122.80613	24.23614	39.87145	6.73998	0.1422287	0.17727310	3.1383942	21	3 26.6	20.3
333754 2010 UZ_{65}	16.7	X	107.12407	14.58741	34.71828	3.77344	0.0681408	0.21348156	2.7726548	21	2 1.4	20.4
333755 2010 VC_{1}	19.3	X	121.58826	2.22639	182.23219	20.95699	0.5586145	0.79293579	1.1560520	21	10 2.7	20.7
333756 2011 AK_{42}	17.7	X	308.68542	205.92152	68.90908	4.02993	0.1723881	0.30775830	2.1726822	21	3 10.5	20.2
333757 2011 AE_{49}	17.2	X	89.11965	99.91123	305.90095	19.54621	0.0655295	0.38124451	1.8836505	21	—	—
333758 2011 BD_{75}	17.3	X	151.03461	5.58864	285.45671	4.14773	0.1868637	0.26335819	2.4104872	21	—	—
333759 2011 BT_{78}	16.7	X	151.02534	320.87201	291.39750	9.73671	0.1826689	0.25549775	2.4596765	21	12 12.9	20.7
333760 2011 BS_{83}	15.9	X	49.27468	326.12493	293.70619	12.43609	0.2232060	0.22643442	2.6658830	21	9 6.5	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333761 2011 BV_{99}	17.2	X	187.10996	332.39482	296.89702	6.27034	0.0857031	0.26970513	2.3725202	21	—	—
333762 2011 CM_{31}	17.4	X	214.39440	30.22955	235.60611	2.48459	0.1597185	0.27619372	2.3352149	21	—	—
333763 2011 CF_{36}	18.2	X	352.50860	135.94801	98.09582	3.89238	0.0550878	0.30641445	2.1790301	21	4 6.9	20.3
333764 2011 CV_{41}	17.2	X	149.42141	4.17672	252.76291	2.63608	0.1385723	0.25446722	2.4663128	21	12 17.9	21.0
333765 2011 CA_{47}	16.0	X	70.30921	316.22613	290.03348	12.31594	0.2539301	0.22652364	2.6651829	21	9 19.7	20.1
333766 2011 CH_{82}	17.5	X	209.09323	350.97025	311.72848	9.63401	0.1442388	0.28247210	2.3004829	21	1 7.8	20.9
333767 2011 DH_{6}	16.0	X	18.40694	273.45946	330.84576	14.92190	0.1710986	0.21255034	2.7807472	21	6 16.3	19.2
333768 2011 ER	17.1	X	267.48763	233.53443	353.24790	3.97071	0.0808004	0.27935239	2.3175785	21	—	—
333769 2011 EN_{7}	15.8	X	247.84943	81.33831	150.32209	13.25177	0.0350183	0.18234752	3.0798967	21	—	—
333770 2011 EA_{26}	16.3	X	359.03530	116.89889	150.75231	12.97090	0.1543163	0.21214681	2.7842724	21	6 11.9	19.5
333771 2011 EP_{30}	17.0	X	271.58969	88.94468	95.37807	7.06164	0.0732422	0.26708490	2.3880119	21	—	—
333772 2011 EG_{43}	16.3	X	339.07401	133.34957	137.36357	4.72342	0.1555147	0.20462393	2.8521023	21	5 8.7	19.5
333773 2011 EP_{50}	15.4	X	322.14551	25.92131	100.59697	11.33944	0.0489580	0.17057103	3.2200741	21	—	—
333774 2011 EJ_{53}	16.0	X	300.74384	175.02440	148.40380	10.08957	0.1320207	0.20628713	2.8367515	21	5 24.0	19.9
333775 2011 EJ_{65}	17.1	X	1.32058	125.86846	146.11491	11.36323	0.1643175	0.21380146	2.7698884	21	6 21.8	20.1
333776 2011 ER_{65}	15.5	X	316.66536	150.47308	9.58592	8.56825	0.0562137	0.17821593	3.1273155	21	—	—
333777 2011 EL_{82}	16.5	X	118.91545	164.28175	150.44525	5.56179	0.1767597	0.25727431	2.4483402	21	—	—
333778 2011 FP_{6}	16.1	X	313.85494	267.88297	184.92895	12.01245	0.1383897	0.24608139	2.5220297	21	12 17.9	18.9
333779 2011 FK_{12}	16.4	X	67.22184	218.88922	84.57862	4.40749	0.0446096	0.23985406	2.5654959	21	11 9.7	19.8
333780 2011 FK_{35}	16.2	X	218.33570	213.31142	171.40176	9.20338	0.1632102	0.21057229	2.7981344	21	5 6.0	20.8
333781 2011 FO_{66}	16.5	X	8.75797	26.97255	193.48701	5.60811	0.0768579	0.20131647	2.8832559	21	4 24.8	20.1
333782 2011 FH_{83}	16.6	X	87.56567	277.74382	70.42872	3.23493	0.2079012	0.25470482	2.4647788	21	—	—
333783 2011 FP_{100}	16.0	X	73.41016	235.62068	338.11971	10.47369	0.0793183	0.21839720	2.7308929	21	7 25.7	19.7
333784 2011 FM_{123}	16.1	X	57.93692	359.32676	341.20395	8.12213	0.1595879	0.24752563	2.5122099	21	—	—
333785 2011 FV_{133}	16.3	X	298.39532	179.08216	349.39957	8.05496	0.0395527	0.17440927	3.1726562	21	—	—
333786 2011 FZ_{146}	16.9	X	232.42251	324.62491	300.75349	5.93999	0.0987489	0.27089719	2.3655550	21	—	—
333787 2011 GZ_{21}	15.5	X	211.64355	62.74489	220.21041	15.11602	0.1629314	0.17057453	3.2200301	21	1 1.6	21.0
333788 2011 GZ_{64}	15.7	X	50.77325	212.50841	75.07506	12.65363	0.0539730	0.22623404	2.6674569	21	10 3.8	19.5
333789 2011 GF_{67}	15.4	X	34.36870	81.86250	109.63494	14.25050	0.0719956	0.20083679	2.8878449	21	5 1.7	19.3
333790 2011 GJ_{75}	16.5	X	309.56086	240.43736	128.82465	6.18227	0.0850919	0.22215998	2.6999693	21	8 13.9	19.9
333791 2011 GK_{82}	16.3	X	333.30918	266.27261	76.00960	6.50868	0.0877543	0.22098840	2.7095036	21	8 16.5	19.5
333792 2011 GS_{82}	16.2	X	38.47840	187.66189	75.77166	6.36669	0.0697618	0.21796411	2.7345092	21	8 10.3	19.7
333793 2011 GF_{84}	16.7	X	298.93459	242.25387	178.81241	4.28217	0.0487894	0.23332584	2.6131288	21	10 13.9	19.8
333794 2011 HT_{4}	15.9	X	13.81989	72.30661	154.71028	12.64497	0.0226804	0.20139566	2.8825000	21	5 14.3	20.0
333795 2011 HE_{10}	15.7	X	255.02649	88.08400	149.30720	7.94316	0.0964953	0.16991643	3.2283390	21	—	—
333796 2011 HX_{24}	15.2	X	245.59868	152.20035	129.36842	16.63408	0.0195693	0.17638382	3.1489339	21	2 9.5	19.7
333797 2011 HY_{33}	15.5	X	121.22337	306.18150	101.22331	11.99319	0.0478235	0.17797401	3.1301489	21	2 21.9	20.1
333798 2011 HF_{34}	16.2	X	249.23252	93.84584	165.42631	1.24130	0.1381868	0.17526223	3.1623540	21	1 9.1	21.1
333799 2011 HE_{48}	15.5	X	238.84401	191.19944	133.55348	9.55902	0.0593369	0.18791368	3.0187729	21	3 23.4	20.0
333800 2011 HO_{48}	15.6	X	346.74947	34.15383	149.38054	10.51773	0.0488648	0.18096984	3.0955079	21	2 8.4	19.7
333801 2011 HG_{60}	16.0	X	189.31017	177.30027	154.45352	9.86073	0.0639426	0.17374352	3.1807557	21	2 5.2	20.7
333802 2011 HY_{75}	15.8	X	144.35217	276.28985	157.40158	9.91940	0.0556365	0.19092378	2.9869598	21	4 21.0	20.2
333803 2011 HJ_{99}	15.9	X	75.34312	292.66960	157.95803	10.92902	0.0805804	0.17829807	3.1263549	21	2 17.3	20.0
333804 2011 HE_{100}	17.4	X	196.05669	139.82644	204.89427	5.92299	0.0984882	0.28230128	2.3014108	21	2 11.7	20.8
333805 2011 HN_{100}	16.5	X	68.42693	320.05240	57.24144	5.08936	0.2358699	0.25237177	2.4799459	21	—	—
333806 2011 JY	15.6	X	11.83708	65.32040	130.88516	22.74403	0.1003519	0.19238485	2.9718175	21	4 5.5	19.6
333807 2011 JX_{6}	15.3	X	155.87867	231.28069	130.62250	16.91131	0.0670709	0.17318884	3.1875434	21	2 6.9	19.9
333808 2011 JZ_{17}	15.9	X	26.82609	190.33462	196.13345	13.94873	0.2562984	0.23210512	2.6222831	21	—	—
333809 2011 SJ_{164}	16.9	X	12.32948	207.90763	28.04326	6.69970	0.0651658	0.26742373	2.3859944	21	5 14.1	19.5
333810 2011 UB_{156}	16.4	X	258.42079	208.13573	67.37793	16.00022	0.1031740	0.23932019	2.5693099	21	2 2.6	20.5
333811 2011 WA_{64}	16.5	X	60.38109	130.51248	278.64641	3.98886	0.0291516	0.21641675	2.7475281	21	—	—
333812 2012 BS_{132}	16.1	X	109.20548	212.90353	291.35501	11.40047	0.2296155	0.23910173	2.5708747	21	6 26.0	19.9
333813 2012 CV_{14}	18.2	X	256.11090	32.11022	135.55912	4.76512	0.1282740	0.28983488	2.2613561	21	—	—
333814 2012 EU_{10}	16.3	X	156.84744	241.23769	68.34544	2.36321	0.0649399	0.18943275	3.0026129	21	—	—
333815 2012 FD_{27}	16.2	X	238.88651	19.32243	147.45141	2.16046	0.1646156	0.17281533	3.1921346	21	11 13.6	20.8
333816 2012 FZ_{38}	17.0	X	53.14298	28.22958	198.54809	4.74996	0.1270009	0.24079395	2.5588157	21	7 18.1	20.0
333817 2012 FN_{39}	15.5	X	187.87362	313.04320	323.14910	13.96059	0.2158343	0.18123466	3.0924917	21	—	—
333818 2012 GG_{28}	15.7	X	160.09750	230.77891	81.90351	16.39210	0.0227241	0.18245704	3.0786640	21	—	—
333819 2012 HR_{21}	15.8	X	2.29376	165.56451	74.82384	13.75200	0.1212723	0.22245202	2.6976058	21	5 10.7	18.8
333820 2012 HK_{39}	16.4	X	40.65521	128.81725	91.96489	14.36122	0.2109578	0.22784404	2.6548761	21	7 1.5	19.0
333821 2012 HJ_{49}	15.6	X	82.04273	262.78927	141.24840	11.09820	0.0654080	0.18652834	3.0337014	21	—	—
333822 2012 HO_{57}	16.9	X	84.20140	136.79378	76.67901	3.96050	0.0511379	0.24151427	2.5537253	21	8 4.1	20.1
333823 2012 HX_{61}	17.4	X	268.60754	53.07478	140.84800	4.20550	0.0620779	0.29102065	2.2552093	21	—	—
333824 2012 HM_{62}	17.5	X	127.16928	82.33035	137.88755	4.36459	0.1638000	0.25459741	2.4654719	21	10 15.5	21.3
333825 2012 HZ_{70}	16.3	X	283.95943	351.20725	51.82305	17.19336	0.1612494	0.24462869	2.5320044	21	8 19.6	19.8
333826 2012 HF_{78}	15.6	X	235.27879	182.22159	35.93366	9.70578	0.0418947	0.17536889	3.1610717	21	—	—
333827 2012 JR_{22}	15.8	X	327.01552	124.65278	60.17092	11.70413	0.0427599	0.19344524	2.9609473	21	1 15.8	20.0
333828 2012 JM_{24}	16.6	X	100.71487	68.00705	123.57400	5.20451	0.2541247	0.23784114	2.5799507	21	8 20.7	20.6
333829 2012 JO_{24}	15.2	X	165.43288	179.83774	115.94931	6.43403	0.1586490	0.17315389	3.1879723	21	—	—
333830 2012 JB_{25}	16.5	X	78.60020	28.41452	209.24205	4.34890	0.1956482	0.23921517	2.5700618	21	9 17.2	20.1
333831 2012 JF_{46}	16.2	X	20.24717	214.44153	76.81000	15.50672	0.2690258	0.23014099	2.6371818	21	9 26.5	19.1
333832 2012 JL_{46}	15.1	X	165.44951	270.11029	76.59893	16.73754	0.0412501	0.18668232	3.0320330	21	1 28.0	19.7
333833 2012 JJ_{66}	15.8	X	357.57287	344.41580	243.46589	13.14140	0.1548232	0.21218643	2.7839257	21	4 4.8	19.1
333834 2012 KZ_{10}	15.2	X	304.46422	86.67554	75.53500	24.32809	0.0438814	0.18032527	3.1028800	21	—	—
333835 2012 KU_{28}	15.7	X	327.68353	54.05779	76.73435	11.05925	0.0945995	0.18050023	3.1008746	21	—	—
333836 2012 KN_{50}	16.6	X	90.09663	134.74483	117.30751	8.18182	0.1729490	0.24465645	2.5318129	21	10 21.2	20.5
333837 2012 LU_{11}	15.7	X	213.98516	204.98876	104.36091	11.17146	0.0562737	0.19031487	2.9933275	21	2 4.2	20.2
333838 2012 LL_{24}	15.5	X	114.49739	302.43438	103.14115	10.76591	0.0748332	0.17703657	3.1411890	21	2 14.5	20.0
333839 2012 MX_{5}	17.5	X	300.28290	143.36361	112.64886	8.01019	0.1180559	0.30191755	2.2006137	21	2 9.6	20.2
333840 2012 MT_{6}	16.6	X	44.46989	18.61868	263.41537	19.33839	0.2679926	0.23540339	2.5977314	21	10 6.5	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333841 1121 $T\text{–}3$	17.1	X	346.54884	48.36341	301.39158	5.92426	0.3279859	0.22383686	2.6864678	21	9 16.9	18.5
333842 1960 SV	17.3	X	36.04328	195.75672	184.70499	6.25534	0.2094946	0.24529450	2.5274205	21	—	—
333843 1990 SH_4	17.7	X	308.64888	304.60083	327.13218	7.01304	0.2267986	0.31009402	2.1617582	21	2 22.8	20.5
333844 1990 WQ	16.7	X	265.96490	304.64869	87.22068	8.39842	0.3620575	0.21605750	2.7505728	21	6 7.5	21.1
333845 1991 TD_{10}	16.8	X	6.45551	189.42886	185.78143	10.78734	0.0656777	0.23204758	2.6227165	21	11 23.3	20.2
333846 1992 SL_{11}	17.5	X	3.95643	235.69900	182.36204	5.31026	0.2605258	0.24317630	2.5420761	21	—	—
333847 1993 YB	17.7	X	248.91396	20.42228	110.34619	27.70182	0.0915026	0.38451417	1.8729570	21	12 8.5	19.7
333848 1994 SN_1	16.8	X	353.42359	347.48649	25.07835	6.25559	0.0442879	0.22061990	2.7125198	21	10 25.7	20.1
333849 1994 UE_9	16.9	X	352.65022	355.65308	325.05265	3.38874	0.0661561	0.21399614	2.7682082	21	8 15.4	20.1
333850 1995 CH_5	17.1	X	224.95050	327.61939	147.07561	5.41528	0.1292320	0.24514355	2.5284579	21	9 6.6	20.6
333851 1995 FA_6	16.8	X	105.19892	217.56119	13.27557	4.24298	0.2229204	0.23981834	2.5657507	21	10 9.3	20.9
333852 1995 FK_{15}	18.1	X	334.13284	101.04649	139.89439	3.93007	0.1557710	0.30129418	2.2036480	21	3 1.0	20.2
333853 1995 SV_8	17.7	X	258.44675	277.50142	357.04425	3.31298	0.1591992	0.28829640	2.2693940	21	1 17.5	21.0
333854 1995 SE_{12}	16.8	X	359.15067	207.30285	176.81777	7.08394	0.2504494	0.23101876	2.6304975	21	12 15.8	19.4
333855 1995 SD_{37}	17.4	X	188.30294	43.94216	342.43045	2.49487	0.1244099	0.29021247	2.2593942	21	3 31.3	20.6
333856 1995 SL_{63}	17.9	X	149.48645	81.92633	328.09457	0.79893	0.2047819	0.28632706	2.2797879	21	3 29.5	21.1
333857 1995 SY_{64}	18.2	X	99.93891	260.39154	207.83394	2.91738	0.1831034	0.28645987	2.2790833	21	4 16.5	20.5
333858 1995 SW_{69}	16.4	X	356.55765	101.45217	293.62843	12.34029	0.2146809	0.23295174	2.6159257	21	12 21.8	19.1
333859 1995 TB_{11}	16.6	X	67.34308	350.60068	286.96062	11.49103	0.1167861	0.23113532	2.6296130	21	10 8.9	20.5
333860 1995 UM_{40}	16.8	X	357.20336	171.54610	211.68244	3.62647	0.2472218	0.23006218	2.6377840	21	12 9.5	19.2
333861 1995 UV_{40}	16.1	X	212.29369	179.41477	199.70783	8.77260	0.1595921	0.17691629	3.1426125	21	4 24.5	21.3
333862 1995 WF_1	18.3	X	203.40779	18.29439	39.32916	0.48344	0.2201608	0.29075508	2.2565823	21	5 26.8	21.8
333863 1995 WK_{14}	16.0	X	6.21336	245.66432	81.63138	12.91275	0.1215122	0.18467376	3.0539782	21	9 22.9	19.9
333864 1996 AT_6	17.1	X	184.21944	261.87551	341.13314	4.76893	0.1202713	0.26365819	2.4086583	21	—	—
333865 1996 AM_{19}	16.8	X	299.61734	95.55509	279.72901	11.30734	0.2323671	0.21579977	2.7527624	21	7 12.6	20.2
333866 1996 EZ_6	16.3	X	177.32430	78.98492	350.14274	8.72175	0.1248711	0.20467067	2.8516681	21	5 18.2	20.9
333867 1996 RH_8	15.7	X	218.05378	184.52797	168.84460	11.48152	0.1341106	0.18393431	3.0621577	21	3 31.3	20.6
333868 1996 TA_{16}	15.8	X	233.06318	78.99856	262.81727	5.91365	0.0744364	0.18366204	3.0651832	21	3 31.2	20.5
333869 1996 TQ_{33}	15.9	X	269.23141	64.12684	204.31152	15.55179	0.0433800	0.17727508	3.1383708	21	2 13.4	20.8
333870 1997 ES_{12}	17.6	X	40.80129	196.90271	280.13218	4.92151	0.0412492	0.28363955	2.2941661	21	1 6.3	19.8
333871 1997 EP_{31}	16.2	X	65.03465	272.46940	2.41755	7.85774	0.0731405	0.21962373	2.7207160	21	9 30.4	19.9
333872 1997 HY_2	17.6	X	305.55745	29.69849	202.26859	5.72212	0.0856668	0.28202053	2.3029379	21	1 20.4	20.6
333873 1997 SN_5	17.3	X	116.89185	197.47966	163.88980	1.90931	0.2233324	0.26215194	2.4178759	21	—	—
333874 1997 SH_{23}	16.7	X	153.87967	282.94977	217.46533	4.38210	0.1829997	0.23593858	2.5938015	21	7 27.8	21.0
333875 1997 SP_{23}	18.1	X	311.62209	35.10373	331.10518	0.62573	0.1573569	0.24184266	2.5514131	21	8 3.7	20.9
333876 1997 SY_{27}	17.1	X	184.61734	276.89467	335.10108	5.54383	0.0949221	0.25681925	2.4512315	21	—	—
333877 1997 TM_9	15.8	X	164.57966	217.22333	213.55304	10.76844	0.0677827	0.18967982	3.0000049	21	5 8.9	20.2
333878 1997 WF_7	15.1	X	79.53555	322.25823	96.09008	17.16449	0.0610994	0.17112932	3.2130669	21	1 14.6	19.5
333879 1997 WG_{24}	15.8	X	66.32500	158.00922	225.17141	9.74373	0.1024453	0.17276755	3.1927231	21	—	—
333880 1997 YV_{12}	16.0	X	154.50407	127.33051	290.84834	4.20168	0.1371979	0.18121862	3.0926742	21	4 15.4	21.0
333881 1998 BX_{44}	15.6	X	91.30525	155.38737	309.17192	9.12847	0.0617163	0.17619916	3.1511337	21	3 21.2	20.1
333882 1998 HP_{10}	16.6	X	248.33281	99.66392	37.41297	7.29205	0.1186836	0.23609105	2.5926847	21	11 2.6	19.8
333883 1998 HU_{30}	16.6	X	250.01638	314.06938	206.79521	12.69432	0.0960081	0.23558587	2.5963898	21	12 9.6	20.1
333884 1998 HS_{50}	16.8	X	250.88200	164.74656	136.54559	8.25625	0.1960290	0.29113790	2.2546037	21	2 10.2	20.3
333885 1998 QC_{74}	15.5	X	124.57933	100.40321	200.47874	11.90494	0.2501705	0.18413842	3.0598944	21	—	—
333886 1998 RN_{43}	17.4	X	298.76262	36.27726	331.99342	4.97065	0.2116490	0.29635952	2.2280424	21	7 6.6	19.5
333887 1998 RX_{50}	16.8	X	170.55211	28.78208	343.59783	6.86647	0.1225328	0.28133986	2.3066509	21	2 24.5	20.1
333888 1998 ST_4	16.7	X	265.38440	207.79895	238.81159	9.15413	0.5917860	0.20650980	2.8347120	21	7 19.6	22.1
333889 1998 SV_4	18.2	X	124.44762	359.50727	177.24674	53.30053	0.6419903	1.33592957	0.8164827	21	10 14.3	18.7
333890 1998 SK_{24}	17.0	X	178.99074	351.28240	19.41035	6.64652	0.2224275	0.28209591	2.3025277	21	3 10.6	20.7
333891 1998 SO_{46}	18.0	X	136.23965	339.22914	27.19975	0.04830	0.2347518	0.27511660	2.3413061	21	1 23.9	21.2
333892 1998 SP_{51}	17.3	X	143.02048	47.68842	337.78616	1.74141	0.1969918	0.27740043	2.3284377	21	2 19.8	20.5
333893 1998 SA_{53}	17.6	X	160.42902	345.86277	15.47205	6.03140	0.2358861	0.27774192	2.3265288	21	2 12.6	21.2
333894 1998 SM_{85}	17.2	X	240.73337	154.48720	171.44435	7.07613	0.2698449	0.28616296	2.2806594	21	3 1.0	21.1
333895 1999 BV_{30}	17.7	X	107.89767	296.15134	104.11990	3.25335	0.1923286	0.26920328	2.3754678	21	1 27.5	20.2
333896 1999 BE_{33}	16.0	X	250.94949	30.41913	308.88793	7.63816	0.0943327	0.19000928	2.9965361	21	4 13.1	20.7
333897 1999 RF_{13}	16.2	X	350.73751	213.56847	163.32474	5.89290	0.2433467	0.22720733	2.6598337	21	11 15.5	18.4
333898 1999 RN_{16}	16.2	X	0.43267	19.06156	347.49744	6.58241	0.1938044	0.22764168	2.6564493	21	11 10.7	19.0
333899 1999 RQ_{21}	16.1	X	285.29646	348.38900	54.93311	2.64979	0.2266569	0.22024612	2.7155879	21	8 1.7	19.6
333900 1999 RG_{70}	17.0	X	37.86352	137.65986	168.53718	13.52510	0.2668796	0.22796872	2.6539081	21	11 8.8	20.5
333901 1999 RX_{112}	16.7	X	329.49609	58.61436	328.30349	7.79208	0.3871336	0.22448271	2.6813126	21	9 13.4	17.6
333902 1999 RX_{124}	17.1	X	351.86720	9.78106	341.21256	5.13179	0.0924713	0.22506909	2.6766535	21	9 25.9	20.1
333903 1999 RE_{127}	16.8	X	331.28350	76.55951	295.65344	10.15641	0.3065611	0.22430770	2.6827071	21	8 31.8	18.8
333904 1999 RR_{154}	16.9	X	11.64125	332.80293	334.66368	7.97325	0.3716475	0.22535411	2.6743961	21	10 5.5	18.9
333905 1999 RS_{191}	18.1	X	224.03438	18.61885	333.55088	1.73271	0.2300665	0.29942551	2.2128069	21	3 20.3	21.7
333906 1999 RP_{212}	16.1	X	345.50233	17.96493	339.39200	13.80648	0.2678008	0.22350618	2.6891170	21	9 23.8	18.0
333907 1999 TV_2	18.0	X	211.02303	321.78996	23.90157	2.58487	0.1969018	0.29475800	2.2361056	21	3 3.4	21.6
333908 1999 TN_{12}	17.6	X	154.82986	150.31998	212.32673	37.27527	0.3907158	0.38029141	1.8867964	21	1 29.4	21.3
333909 1999 TU_{21}	16.3	X	83.48531	319.98430	50.97874	13.77419	0.2047818	0.23460676	2.6036086	21	—	—
333910 1999 TY_{43}	17.0	X	159.00732	332.59761	352.76150	5.26980	0.0663819	0.24035753	2.5619121	21	—	—
333911 1999 TH_{59}	17.1	X	295.66585	157.60208	249.10036	2.35098	0.2006092	0.22218347	2.6997791	21	8 24.9	20.1
333912 1999 TN_{65}	16.9	X	30.79375	191.98810	184.90518	2.00615	0.2086856	0.23169972	2.6253410	21	—	—
333913 1999 TR_{83}	17.4	X	296.86210	39.67453	6.48688	3.37172	0.1651416	0.22034116	2.7148070	21	9 3.0	20.4
333914 1999 TY_{107}	16.0	X	331.22153	82.83334	301.66703	11.40343	0.2092882	0.22489008	2.6780736	21	9 27.4	18.7
333915 1999 TR_{115}	16.1	X	349.67518	147.24169	226.80524	4.53221	0.2590039	0.22542218	2.6738577	21	11 7.5	18.1
333916 1999 TF_{117}	18.0	X	243.15775	17.94692	344.33906	2.46724	0.2004874	0.30179806	2.2011945	21	4 19.5	21.3
333917 1999 TX_{117}	16.7	X	351.13761	129.69611	226.12868	6.72631	0.2875383	0.22438539	2.6820878	21	10 13.9	18.4
333918 1999 TV_{134}	16.2	X	358.77067	7.16893	12.78153	13.71608	0.2171738	0.22669297	2.6638556	21	11 28.2	19.1
333919 1999 TB_{157}	16.7	X	41.91390	39.00043	331.21505	2.61425	0.2074971	0.23203747	2.6227927	21	—	—
333920 1999 TT_{158}	16.1	X	307.03810	47.74172	349.09253	11.37612	0.1551870	0.22303980	2.6928643	21	9 8.8	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
333921 1999 TR_{159}	16.3	X	308.98486	179.65854	199.25399	9.65837	0.2115307	0.22102656	2.7091917	21	8 4.5	19.4
333922 1999 TC_{176}	16.8	X	350.47334	3.08189	333.39147	3.11402	0.1771649	0.22167516	2.7039046	21	9 5.0	19.1
333923 1999 TE_{250}	16.4	X	330.78413	143.60955	254.13474	7.00682	0.2066758	0.22465557	2.6799370	21	10 22.4	18.9
333924 1999 TM_{263}	16.2	X	28.54266	173.51545	209.43914	9.76948	0.1071135	0.18436517	3.0573851	21	12 26.3	20.4
333925 1999 TM_{265}	16.3	X	351.66180	120.31325	257.53483	11.74445	0.2719876	0.22652989	2.6651339	21	11 19.9	18.5
333926 1999 TL_{297}	17.2	X	46.17182	234.65055	353.59386	6.01531	0.0648139	0.26178848	2.4201133	21	7 1.5	20.0
333927 1999 TK_{315}	16.6	X	26.96485	269.71194	22.80933	18.28832	0.2645678	0.22317274	2.6917948	21	10 3.2	19.4
333928 1999 TP_{333}	16.5	X	288.31216	215.90235	209.29860	13.17093	0.1942486	0.22063694	2.7123802	21	9 5.9	20.0
333929 1999 UP_{2}	16.2	X	20.45871	340.41980	54.77284	17.97464	0.2687666	0.23006988	2.6377252	21	—	—
333930 1999 US_{5}	15.7	X	7.68570	314.19939	20.23364	9.23736	0.3093324	0.22417893	2.6837344	21	10 27.8	17.9
333931 1999 UM_{23}	15.6	X	324.59668	185.47661	215.30789	20.07499	0.3597826	0.22364161	2.6880312	21	9 21.9	17.7
333932 1999 UE_{32}	17.0	X	81.51216	262.74617	48.02028	2.71310	0.0698934	0.22809139	2.6529564	21	12 6.4	20.7
333933 1999 VF_{18}	16.3	X	286.16674	18.14261	18.61783	5.47260	0.1570972	0.21810473	2.7333337	21	8 6.5	19.8
333934 1999 VG_{27}	16.5	X	11.78253	301.54981	9.62099	5.17416	0.0545923	0.21899457	2.7259245	21	9 2.5	19.9
333935 1999 VK_{63}	16.4	X	293.06943	186.74969	229.06692	8.70582	0.1801007	0.21978561	2.7193798	21	9 2.7	19.9
333936 1999 VC_{82}	16.3	X	359.19428	27.95128	33.79588	15.50280	0.2580227	0.22976475	2.6400599	21	—	—
333937 1999 VH_{103}	17.1	X	277.08240	349.94656	54.29103	5.70044	0.1290056	0.21642969	2.7474186	21	8 8.3	20.8
333938 1999 VR_{119}	16.8	X	16.48437	30.23055	290.92104	2.13511	0.0962466	0.22154655	2.7049509	21	9 24.9	19.9
333939 1999 VZ_{120}	16.6	X	316.53229	143.59993	224.74148	11.95649	0.1750809	0.21955920	2.7212491	21	8 6.8	19.8
333940 1999 VG_{124}	16.7	X	37.62682	52.22063	237.27299	3.01984	0.2154965	0.22188280	2.7022174	21	10 3.2	19.8
333941 1999 VJ_{136}	16.7	X	7.83083	274.33544	59.85431	3.28012	0.0836573	0.21978353	2.7193970	21	9 30.5	19.9
333942 1999 VK_{143}	16.3	X	276.59669	185.95606	240.16159	25.96601	0.0923474	0.21832198	2.7315202	21	8 28.5	20.6
333943 1999 VO_{164}	16.5	X	340.62051	343.46157	21.41575	2.69423	0.3144723	0.22225943	2.6991639	21	9 27.0	17.7
333944 1999 VK_{180}	16.4	X	288.07654	297.00630	138.01885	8.25101	0.2779808	0.21959627	2.7209427	21	9 11.1	19.6
333945 1999 VU_{196}	16.1	X	348.89584	286.79235	93.43396	12.29151	0.2628098	0.22385709	2.6863060	21	11 19.1	18.4
333946 1999 VT_{209}	16.7	X	309.70491	170.16007	220.50620	1.18591	0.0995631	0.21972555	2.7198754	21	9 10.2	20.0
333947 1999 XA_{31}	16.9	X	209.86061	218.48469	206.34247	6.15525	0.1238490	0.29995672	2.2101936	21	6 14.9	20.2
333948 1999 XG_{135}	16.5	X	65.33721	36.45236	86.86526	11.38711	0.5040602	0.19370314	2.9583186	21	5 22.5	20.4
333949 1999 XM_{149}	15.6	X	61.03535	300.40444	63.40733	10.53338	0.0892531	0.18401342	3.0612800	21	—	—
333950 1999 XJ_{251}	17.2	X	128.37776	302.09830	76.97945	11.74440	0.1494151	0.24020017	2.5630309	21	1 28.2	20.8
333951 2000 AH_{57}	15.3	X	258.94325	103.83747	304.59865	23.09757	0.2279857	0.21042232	2.7994637	21	7 9.3	19.7
333952 2000 AP_{215}	16.0	X	231.70610	22.28036	111.58542	9.78775	0.0696391	0.21533480	2.7567237	21	10 18.1	20.0
333953 2000 AF_{221}	16.5	X	331.57750	263.94162	99.58530	5.50273	0.0852972	0.21261202	2.7802094	21	9 12.1	19.9
333954 2000 AN_{221}	17.6	X	179.48472	265.57570	102.28960	6.86324	0.1929216	0.28739339	2.2741453	21	3 6.2	21.2
333955 2000 AL_{231}	16.3	X	234.13229	171.18996	289.72333	5.32814	0.1289405	0.21249229	2.7812537	21	8 25.2	20.4
333956 2000 BW_{11}	16.8	X	248.91920	113.89999	300.93281	7.94855	0.1520337	0.20913486	2.8109412	21	7 12.9	21.0
333957 2000 CU_{71}	16.2	X	249.20024	256.63801	135.10196	15.75421	0.1635882	0.20551497	2.8438525	21	6 14.1	20.8
333958 2000 CQ_{99}	16.3	X	345.73015	263.17845	322.27537	8.91611	0.1152818	0.19126644	2.9833911	21	3 20.1	20.0
333959 2000 CW_{136}	17.7	X	159.72089	280.99806	332.23729	6.89334	0.2979889	0.25914603	2.4365370	21	12 18.3	22.2
333960 2000 CJ_{142}	18.3	X	183.88238	265.07810	120.14876	3.64519	0.2157932	0.28992986	2.2608622	21	3 31.6	21.9
333961 2000 EV_{14}	15.4	X	323.30890	240.81596	352.49676	13.73064	0.0679555	0.18718005	3.0266557	21	3 8.8	19.3
333962 2000 EL_{27}	17.1	X	143.87127	245.60457	334.93421	6.99669	0.1783832	0.25456770	2.4656638	21	10 26.5	21.2
333963 2000 EZ_{35}	17.0	X	190.24688	98.85352	170.80768	10.59637	0.0883589	0.26725134	2.3870204	21	—	—
333964 2000 EP_{86}	16.9	X	218.54044	11.25629	184.92750	9.83900	0.2156565	0.26148689	2.4219738	21	12 5.5	20.5
333965 2000 FW_{9}	17.7	X	202.02292	56.02136	149.10319	0.82170	0.1478912	0.25916605	2.4364115	21	12 5.7	21.1
333966 2000 FF_{15}	15.8	X	308.49814	130.70398	28.30967	28.57990	0.3398816	0.17734780	3.1375129	21	—	—
333967 2000 FO_{48}	17.1	X	245.33303	115.71529	105.42180	6.60539	0.2016774	0.26554368	2.3972430	21	—	—
333968 2000 GW_{26}	15.9	X	238.14871	236.40190	22.66166	11.34160	0.0861560	0.17653468	3.1471398	21	1 2.1	20.9
333969 2000 GL_{122}	17.5	X	342.41171	277.42880	171.55460	22.99650	0.0848206	0.35993935	1.9572659	21	—	—
333970 2000 GE_{130}	16.6	X	245.26960	251.01000	191.97587	12.33842	0.3613441	0.20744720	2.8261660	21	7 20.9	21.7
333971 2000 HZ	15.8	X	204.21394	322.66138	33.30680	9.72873	0.0785377	0.18305261	3.0719827	21	3 23.9	20.5
333972 2000 HY_{36}	16.6	X	186.09660	172.95524	83.94205	15.22561	0.2007453	0.25954332	2.4340499	21	—	—
333973 2000 JY_{92}	15.8	X	192.35964	212.36583	170.30315	17.21531	0.1219518	0.18461062	3.0546744	21	4 12.6	20.7
333974 2000 KA_{5}	16.8	X	148.06905	184.77619	82.36294	14.32075	0.2409923	0.25396887	2.4695380	21	12 26.6	21.1
333975 2000 LK_{7}	17.1	X	56.22605	116.50848	137.77167	6.23278	0.1663537	0.24191686	2.5508913	21	9 9.5	20.2
333976 2000 QA_{7}	17.1	X	46.54135	33.14513	333.98001	12.88556	0.2799949	0.24488757	2.5302196	21	—	—
333977 2000 QM_{170}	17.0	X	62.28968	160.02877	196.27960	3.37695	0.2303793	0.24549886	2.5260177	21	—	—
333978 2000 QS_{170}	16.6	X	37.08636	135.66654	251.26377	2.22994	0.2725539	0.24416767	2.5351906	21	—	—
333979 2000 QZ_{195}	16.2	X	357.48493	27.74426	12.80572	8.00454	0.1942549	0.24056128	2.5604653	21	12 30.7	19.0
333980 2000 RL_{12}	15.7	X	89.72410	275.12525	4.78651	34.31619	0.4837737	0.24396216	2.5366141	21	11 30.4	21.3
333981 2000 RF_{88}	17.8	X	235.74869	38.90768	290.57316	2.37136	0.2519063	0.31458361	2.1411413	21	2 27.0	21.3
333982 2000 SU_{9}	16.4	X	48.23803	19.45835	342.28767	16.91157	0.1701560	0.24297979	2.5434465	21	—	—
333983 2000 SW_{13}	16.0	X	19.49768	110.45944	232.01795	11.00434	0.3064313	0.24045743	2.5612025	21	12 6.1	18.8
333984 2000 SX_{27}	16.4	X	72.05060	94.44088	309.02670	5.60864	0.1650634	0.25054192	2.4920062	21	—	—
333985 2000 SR_{42}	16.2	X	48.55369	173.61892	179.90214	39.21302	0.2821440	0.24198595	2.5504057	21	—	—
333986 2000 SF_{66}	17.2	X	63.48330	177.15035	162.55335	2.39002	0.2465312	0.24363802	2.5388635	21	—	—
333987 2000 SP_{174}	16.7	X	359.60133	179.34850	224.79005	13.54550	0.2414844	0.23938933	2.5688152	21	—	—
333988 2000 SC_{180}	15.8	X	355.18093	113.94858	235.14786	12.46683	0.1149355	0.23307109	2.6150326	21	9 27.9	18.9
333989 2000 SJ_{194}	17.3	X	158.97882	18.82849	346.80416	1.70307	0.2210346	0.25864489	2.4396832	21	2 15.7	20.9
333990 2000 SF_{225}	16.6	X	22.33288	219.49113	197.72213	14.73114	0.1163847	0.24455292	2.5325274	21	—	—
333991 2000 SQ_{251}	17.4	X	42.79391	201.90515	164.93330	4.52790	0.2385921	0.24292482	2.5438302	21	—	—
333992 2000 SN_{262}	17.5	X	36.80078	238.02200	141.15488	4.18062	0.2748135	0.24303390	2.5430690	21	—	—
333993 2000 SU_{264}	16.3	X	195.24713	294.49762	30.44390	5.89389	0.1463073	0.25841231	2.4411469	21	1 26.9	20.1
333994 2000 SR_{295}	15.9	X	80.13600	1.58541	8.42069	7.54025	0.2455359	0.24482504	2.5306505	21	—	—
333995 2000 SB_{313}	16.2	X	44.27720	109.72863	249.56871	13.16698	0.1983520	0.24168979	2.5524888	21	—	—
333996 2000 SO_{347}	15.9	X	359.03679	4.49640	304.90416	19.67942	0.2767098	0.23360312	2.6110607	21	8 14.4	17.6
333997 2000 SU_{351}	16.6	X	39.47993	259.48945	128.44942	13.62594	0.2879191	0.24355840	2.5394167	21	—	—
333998 2000 SN_{362}	16.5	X	21.48208	168.57543	181.89993	8.22383	0.2221585	0.24128193	2.5553645	21	12 6.9	19.5
333999 2000 TJ_{9}	16.8	X	192.85784	301.84072	27.05439	6.45882	0.1296681	0.25828622	2.4419413	21	1 29.0	20.5
334000 2000 TK_{30}	15.8	X	223.72748	256.62033	188.32601	15.77253	0.2489261	0.17634915	3.1493466	21	7 14.5	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334001 2000 TR_{50}	16.5	X	337.56524	329.01588	78.03842	7.45008	0.3112629	0.23595879	2.5936534	21	12 7.2	17.8
334002 2000 UO_{14}	16.8	X	359.32565	152.33265	245.43460	4.91906	0.2451765	0.23809224	2.5781364	21	—	—
334003 2000 UL_{17}	17.5	X	1.82228	251.10201	145.14765	4.47863	0.2573477	0.23830091	2.5766311	21	—	—
334004 2000 UM_{38}	17.5	X	24.93245	191.53303	218.56704	5.19687	0.2711066	0.24256885	2.5463183	21	—	—
334005 2000 UV_{44}	16.5	X	333.84901	2.34703	48.78935	5.32628	0.2555447	0.23503856	2.6004188	21	11 26.9	18.2
334006 2000 UZ_{51}	16.8	X	343.77542	201.93216	227.33873	12.22331	0.2934267	0.23771524	2.5808615	21	—	—
334007 2000 UB_{57}	17.3	X	59.03076	34.30237	14.24516	5.29756	0.2185685	0.24717856	2.5145610	21	—	—
334008 2000 UP_{66}	17.2	X	2.52321	146.36292	265.70440	3.12963	0.2474427	0.23987431	2.5653516	21	—	—
334009 2000 UK_{71}	16.1	X	18.94708	132.52635	251.61435	5.12711	0.2238332	0.23926547	2.5697016	21	—	—
334010 2000 UV_{81}	16.8	X	11.44021	348.02270	41.22537	6.09098	0.2630376	0.24011559	2.5636328	21	—	—
334011 2000 UL_{90}	16.2	X	42.28115	357.96961	33.45848	7.83904	0.2140817	0.24230427	2.5481716	21	—	—
334012 2000 VF_{12}	16.5	X	323.89591	35.72993	59.22520	6.12377	0.3699592	0.23756936	2.5819179	21	—	—
334013 2000 VL_{19}	17.1	X	107.20183	234.37338	205.12780	1.72129	0.1745094	0.25653193	2.4530615	21	3 19.6	20.1
334014 2000 VD_{44}	16.3	X	211.65641	131.94997	232.55552	11.48807	0.1478704	0.21503890	2.7592520	21	3 30.9	20.9
334015 2000 VV_{45}	16.9	X	15.87660	159.20833	233.99723	1.72760	0.2355859	0.23943722	2.5684727	21	—	—
334016 2000 VC_{52}	17.1	X	349.54061	150.95394	270.38464	4.25432	0.3041036	0.23805538	2.5784025	21	—	—
334017 2000 WP_{5}	17.0	X	16.43143	78.77980	325.88800	5.05044	0.2994667	0.23987102	2.5653750	21	—	—
334018 2000 WB_{20}	15.7	X	48.66920	76.56203	251.11022	11.89151	0.1946042	0.23470649	2.6028710	21	12 7.1	19.2
334019 2000 WV_{20}	16.8	X	21.71300	178.03279	216.98695	8.23927	0.1598373	0.23950153	2.5680128	21	—	—
334020 2000 WL_{45}	16.5	X	24.79112	170.04418	206.50485	6.96321	0.1504600	0.23810341	2.5780558	21	—	—
334021 2000 WZ_{62}	16.6	X	353.38034	120.58459	298.40538	2.51929	0.2815585	0.23790936	2.5794574	21	—	—
334022 2000 WK_{94}	16.7	X	353.09509	329.59279	72.36362	5.97671	0.2553289	0.23584877	2.5944599	21	12 31.4	19.1
334023 2000 WV_{115}	16.7	X	316.06196	166.26151	270.09339	8.71813	0.2185705	0.23354336	2.6115060	21	11 19.0	19.0
334024 2000 WD_{137}	16.3	X	341.28746	194.04353	204.94166	13.76684	0.2475143	0.23447044	2.6046177	21	11 28.4	18.4
334025 2000 WV_{195}	16.5	X	295.35227	163.71854	260.54659	12.74304	0.2303320	0.22874559	2.6478959	21	9 7.7	19.8
334026 2000 XC_{1}	17.1	X	9.81673	233.26758	150.22083	17.43592	0.3194650	0.23800813	2.5787438	21	—	—
334027 2000 XY_{17}	15.7	X	246.09413	192.64417	302.12152	12.39503	0.0850933	0.23266018	2.6181107	21	10 26.6	19.5
334028 2000 XT_{37}	17.6	X	281.93772	93.80228	305.72094	18.35082	0.1153904	0.41496673	1.7801661	21	8 16.5	18.7
334029 2000 XA_{39}	16.0	X	49.16845	71.38307	303.29401	26.71101	0.2993918	0.24080959	2.5587049	21	—	—
334030 2000 XA_{47}	16.4	X	162.02162	132.97275	339.84392	26.03368	0.2358609	0.26402812	2.4064080	21	7 10.5	21.0
334031 2000 YB_{28}	17.0	X	26.58560	239.37905	169.72662	12.55533	0.3285565	0.24180381	2.5516863	21	—	—
334032 2000 YL_{108}	15.9	X	253.42242	30.37048	95.20350	12.30825	0.1287947	0.22846548	2.6500597	21	10 28.7	19.6
334033 2000 YT_{113}	16.6	X	277.24129	151.88677	303.04237	12.86618	0.2139106	0.22797487	2.6538604	21	9 23.9	20.1
334034 2000 YE_{140}	15.8	X	40.14245	78.28375	20.09096	17.97867	0.2896995	0.24342242	2.5403623	21	—	—
334035 2001 AY_{22}	15.5	X	346.92396	119.65510	260.50957	13.44788	0.1344489	0.22909951	2.6451681	21	10 29.1	18.5
334036 2001 AK_{33}	15.5	X	14.35122	85.16456	305.17952	11.98254	0.1918655	0.23482309	2.6020094	21	—	—
334037 2001 BM_{76}	16.2	X	212.78538	171.35003	288.04857	11.76999	0.1292283	0.21727777	2.7402647	21	7 31.5	20.5
334038 2001 CK_{20}	16.4	X	12.36525	71.84019	350.73102	11.82519	0.3781071	0.23765212	2.5813185	21	—	—
334039 2001 CA_{46}	16.3	X	268.30576	62.49076	128.31451	23.61001	0.2186278	0.28034817	2.3120873	21	—	—
334040 2001 DT_{25}	16.3	X	232.22325	329.57281	143.06424	16.40762	0.1446897	0.22056936	2.7129342	21	9 10.1	20.4
334041 2001 DG_{41}	16.5	X	306.03817	62.24668	169.26929	23.70651	0.2552645	0.28945638	2.2633270	21	—	—
334042 2001 EC_{18}	18.2	X	109.19387	274.83778	347.43485	16.35215	0.2067609	0.46230939	1.6564598	21	12 18.3	20.7
334043 2001 FB_{24}	17.2	X	264.36710	71.71323	158.45003	8.30894	0.2207677	0.28326784	2.2961726	21	—	—
334044 2001 FS_{116}	14.8	X	314.89668	269.27351	186.75061	26.99793	0.4188828	0.23273542	2.6175465	21	12 2.9	16.6
334045 2001 KX_{17}	17.8	X	217.48210	71.69980	184.28525	5.84671	0.1463873	0.27688252	2.3313404	21	—	—
334046 2001 KY_{50}	17.4	X	249.02430	53.64061	192.81226	2.53912	0.1799139	0.27966341	2.3158599	21	—	—
334047 2001 LR_{1}	15.5	X	271.70390	229.51058	90.18355	23.15351	0.1673896	0.19160161	2.9799109	21	4 19.5	20.4
334048 2001 LT_{16}	15.9	X	253.79991	85.36486	258.58586	8.14973	0.2258140	0.23671913	2.5880966	21	4 6.5	20.2
334049 2001 MX_{9}	15.6	X	313.92697	315.28004	314.02098	10.60318	0.1452169	0.18861805	3.0112528	21	3 24.2	19.8
334050 2001 NM_{1}	15.0	X	167.97277	99.32729	270.82560	23.52915	0.3185486	0.17543637	3.1602611	21	2 28.9	21.1
334051 2001 NA_{17}	17.4	X	173.36638	275.53619	29.82105	4.72349	0.1581298	0.27098073	2.3650688	21	—	—
334052 2001 OM_{4}	17.5	X	123.07849	11.23078	343.27592	7.73286	0.2587426	0.26780208	2.3837466	21	—	—
334053 2001 OY_{11}	15.5	X	184.32613	104.70131	241.95011	23.87869	0.2171508	0.17384603	3.1795051	21	2 13.1	21.4
334054 2001 OV_{15}	16.2	X	128.99023	278.83633	77.31463	7.57708	0.1268652	0.26991191	2.3713083	21	—	—
334055 2001 OK_{21}	16.9	X	114.22464	9.20222	314.89917	7.13267	0.3334741	0.26278754	2.4139755	21	—	—
334056 2001 OU_{29}	15.8	X	182.68819	143.57704	242.91415	26.80201	0.1732531	0.17784383	3.1316761	21	3 31.8	21.4
334057 2001 OR_{47}	16.7	X	128.74124	34.57409	293.92381	7.21291	0.3065559	0.26577931	2.3958260	21	—	—
334058 2001 OH_{59}	16.3	X	155.37976	303.63337	285.77301	13.97320	0.1382117	0.26087923	2.4257333	21	11 18.6	20.3
334059 2001 OB_{75}	17.9	X	232.42446	0.77604	312.44978	22.90251	0.1037772	0.37782153	1.8950103	21	1 28.3	20.0
334060 2001 OR_{76}	16.9	X	163.95392	347.81314	358.67037	10.02140	0.2173445	0.27218170	2.3581066	21	1 28.6	20.6
334061 2001 OU_{91}	15.3	X	168.20791	136.15536	247.72635	15.78399	0.2499855	0.17704016	3.1411465	21	3 19.9	21.0
334062 2001 OS_{110}	15.4	X	249.70469	298.16641	0.45946	22.36931	0.0988582	0.17867303	3.1219795	21	3 4.2	20.3
334063 2001 PQ_{2}	17.5	X	134.02256	353.66085	332.59632	5.01353	0.2621127	0.26649665	2.3915247	21	—	—
334064 2001 PD_{11}	17.4	X	161.57350	334.63480	8.27955	2.71662	0.2453016	0.27215121	2.3582827	21	1 22.1	21.0
334065 2001 PN_{12}	15.4	X	208.08026	209.01334	113.30549	11.49839	0.2264935	0.17516472	3.1635276	21	2 15.0	20.9
334066 2001 PO_{16}	15.2	X	271.99236	354.12104	267.97431	16.60129	0.1042549	0.17812848	3.1283390	21	1 31.6	20.1
334067 2001 PW_{16}	17.0	X	223.31300	71.74214	176.23038	21.85806	0.2303079	0.27113300	2.3641832	21	—	—
334068 2001 PP_{28}	15.5	X	206.91012	184.19172	160.33643	17.48246	0.1760465	0.17922823	3.1155288	21	3 10.1	20.6
334069 2001 PN_{33}	15.3	X	242.91055	284.25085	0.85134	21.13617	0.2574466	0.17846302	3.1244283	21	2 3.5	21.0
334070 2001 PG_{40}	15.3	X	161.96917	32.52712	315.37711	26.69919	0.1695668	0.17091275	3.2157805	21	2 4.5	20.6
334071 2001 PO_{48}	17.0	X	125.91654	319.81465	61.87533	6.51873	0.2395850	0.27070098	2.3666979	21	2 4.6	20.2
334072 2001 PL_{51}	17.6	X	109.40365	42.44166	326.24477	9.12805	0.2282835	0.26678467	2.3898032	21	—	—
334073 2001 PL_{59}	15.8	X	124.70811	71.96397	4.94669	22.67859	0.4053595	0.27178906	2.3603772	21	4 22.2	20.1
334074 2001 QO_{6}	17.2	X	91.72020	66.62922	318.50161	4.70910	0.2256021	0.26563842	2.3966731	21	—	—
334075 2001 QF_{33}	17.0	X	115.85328	11.11426	355.28557	6.41426	0.1406440	0.26653890	2.3912720	21	—	—
334076 2001 QW_{33}	15.3	X	154.06776	84.74307	267.18390	9.66915	0.1988198	0.16970559	3.2310123	21	2 1.8	20.7
334077 2001 QN_{36}	15.6	X	216.65461	19.64992	317.26254	23.58771	0.1535021	0.18092777	3.0959878	21	3 1.0	20.9
334078 2001 QY_{40}	17.1	X	161.70934	199.61703	133.23829	13.74137	0.2281299	0.27147889	2.3621747	21	1 7.5	20.7
334079 2001 QM_{45}	16.2	X	220.30313	246.66314	109.12948	3.07944	0.3053669	0.18288364	3.0738746	21	3 30.6	21.7
334080 2001 QW_{53}	17.4	X	118.30567	218.51841	134.23579	2.93987	0.2250078	0.26635544	2.3923700	21	—	—

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334081 2001 QJ_{59}	16.5	X	125.31179	318.72991	347.60295	13.32303	0.2200600	0.26065814	2.4271048	21	—	—
334082 2001 QA_{90}	16.4	X	202.51824	94.47228	297.78423	17.60836	0.2157911	0.22933007	2.6433949	21	4 19.1	21.3
334083 2001 QB_{91}	17.1	X	147.55838	65.06120	195.48061	22.02937	0.0697569	0.35824402	1.9634360	21	—	—
334084 2001 QO_{110}	15.6	X	188.98613	275.16776	132.41275	9.69727	0.2169537	0.18045284	3.1014176	21	5 10.4	21.0
334085 2001 QO_{112}	15.6	X	213.81760	83.31104	278.85489	9.57567	0.1470859	0.18143583	3.0902054	21	3 31.3	20.8
334086 2001 QM_{122}	15.3	X	230.98582	336.00897	347.02948	11.13507	0.0602423	0.18025860	3.1036451	21	3 10.1	19.8
334087 2001 QD_{123}	15.6	X	207.01798	33.78476	338.70387	12.68179	0.1717048	0.18243456	3.0789169	21	4 5.7	20.9
334088 2001 QW_{123}	15.7	X	154.43189	255.35323	127.94709	12.22422	0.2143250	0.17571955	3.1568649	21	3 16.5	21.0
334089 2001 QT_{128}	15.7	X	205.63883	174.40050	170.47883	17.91853	0.2014868	0.17927735	3.1149597	21	3 8.3	20.9
334090 2001 QS_{132}	15.6	X	158.97694	95.18156	323.50101	15.19275	0.2796304	0.17774510	3.1328358	21	4 22.6	21.4
334091 2001 QK_{143}	16.2	X	162.94983	234.32248	167.34367	12.06647	0.2316361	0.17713695	3.1400021	21	4 13.1	21.6
334092 2001 QT_{143}	17.6	X	112.03300	35.60797	327.59430	1.89032	0.2057571	0.26545161	2.3977974	21	—	—
334093 2001 QP_{160}	17.6	X	150.04890	34.40467	300.47187	1.42738	0.2319990	0.26907442	2.3762262	21	—	—
334094 2001 QU_{171}	17.1	X	136.78091	99.54884	263.21966	5.24590	0.1638952	0.27018785	2.3696934	21	1 10.5	20.1
334095 2001 QS_{191}	15.7	X	250.22682	102.84982	196.05152	26.45023	0.2129796	0.22881863	2.6473323	21	2 8.5	20.6
334096 2001 QR_{193}	17.2	X	71.19614	10.31064	318.99985	17.77040	0.0872565	0.35451862	1.9771670	21	—	—
334097 2001 QH_{202}	17.2	X	190.75819	77.93844	167.39669	22.64907	0.0723431	0.36320885	1.9455024	21	—	—
334098 2001 QR_{202}	15.5	X	270.82609	175.49342	131.13388	16.58713	0.1314490	0.18475065	3.0531307	21	3 31.7	20.3
334099 2001 QQ_{203}	17.1	X	161.78997	265.29413	80.82442	3.58944	0.2069165	0.27271672	2.3550215	21	1 22.4	20.6
334100 2001 QH_{206}	16.8	X	119.48218	40.00813	344.33209	6.92952	0.1189826	0.26989202	2.3714248	21	1 11.6	19.7
334101 2001 QC_{208}	15.5	X	179.96048	349.25365	344.99586	19.82183	0.1812558	0.17383675	3.1796183	21	2 9.8	20.9
334102 2001 QW_{209}	16.2	X	222.05465	34.36891	289.58795	6.81961	0.2098317	0.17894484	3.1188173	21	2 22.9	21.6
334103 2001 QY_{216}	17.4	X	146.59297	327.77922	10.98883	2.28267	0.2205395	0.26808386	2.3820759	21	—	—
334104 2001 QF_{226}	15.3	X	181.91045	86.72000	299.36523	8.49160	0.1190035	0.17825072	3.1269086	21	3 31.1	20.4
334105 2001 QJ_{227}	16.0	X	160.79454	75.58943	319.76363	14.84373	0.2860286	0.17556635	3.1587011	21	3 28.4	21.8
334106 2001 QS_{227}	17.1	X	150.15315	49.68967	298.15638	9.15372	0.2487414	0.26946581	2.3739247	21	1 17.6	20.4
334107 2001 QZ_{236}	15.6	X	184.49526	46.71672	350.70191	11.16517	0.1094357	0.17973285	3.1096946	21	4 16.3	20.5
334108 2001 QH_{239}	16.8	X	167.02077	179.07326	145.19543	7.63916	0.1291082	0.26990435	2.3713526	21	—	—
334109 2001 QC_{248}	15.9	X	180.74367	4.05195	15.88788	4.44901	0.2702125	0.17528264	3.1621085	21	3 31.3	21.5
334110 2001 QE_{253}	17.1	X	122.03261	0.16343	15.73849	4.42314	0.2270318	0.26830797	2.3807493	21	1 20.9	20.0
334111 2001 QH_{258}	15.2	X	199.25569	129.21874	241.34845	8.95042	0.2278363	0.17897182	3.1185038	21	3 29.9	20.7
334112 2001 QD_{269}	15.4	X	180.11009	52.51598	327.97255	21.16489	0.2899105	0.17676102	3.1444526	21	3 22.4	21.3
334113 2001 QP_{272}	17.5	X	119.06657	218.46774	132.13666	10.98888	0.2278924	0.26614922	2.3936056	21	—	—
334114 2001 QG_{280}	17.1	X	144.46875	224.34249	123.65937	6.42964	0.2554433	0.26855670	2.3792791	21	1 12.9	20.5
334115 2001 QA_{287}	16.8	X	130.05914	88.22548	289.70982	4.13649	0.2536628	0.26901332	2.3765860	21	2 3.6	20.1
334116 2001 QT_{293}	17.5	X	123.48759	284.19182	94.33316	3.77842	0.1975615	0.26836382	2.3804190	21	1 20.8	20.4
334117 2001 QK_{295}	16.4	X	98.85403	5.26768	6.25639	23.87045	0.2075686	0.26236752	2.4165512	21	—	—
334118 2001 QN_{328}	17.3	X	314.71626	275.73347	84.78177	3.89428	0.2219379	0.24363812	2.5388627	21	7 22.0	19.7
334119 2001 QL_{329}	16.7	X	121.87638	27.20555	335.68455	6.16324	0.1292572	0.26793036	2.3829857	21	—	—
334120 2001 QT_{334}	16.7	X	122.55174	241.68441	103.15852	7.94274	0.1559872	0.26398948	2.4066428	21	—	—
334121 2001 RR_{2}	17.1	X	104.52889	173.17933	206.09325	7.42851	0.2276999	0.26593001	2.3949208	21	—	—
334122 2001 RH_{3}	16.7	X	88.70942	87.40139	299.16660	9.52641	0.1582659	0.26506077	2.4001539	21	—	—
334123 2001 RV_{3}	17.4	X	130.96133	93.80345	273.24020	0.93565	0.2363897	0.26867136	2.3786021	21	1 20.0	20.5
334124 2001 RJ_{9}	15.2	X	154.64939	64.25873	303.87911	25.25822	0.2373800	0.17119428	3.2122541	21	2 17.4	20.8
334125 2001 RE_{15}	15.5	X	186.46623	161.38871	217.61097	12.77880	0.3468663	0.17745669	3.1362292	21	4 1.9	21.5
334126 2001 RS_{27}	15.9	X	234.46949	307.62290	351.68619	15.92043	0.2148212	0.17658185	3.1465792	21	2 11.6	21.3
334127 2001 RD_{32}	15.6	X	181.15200	78.88823	313.31803	15.10498	0.2883402	0.17950026	3.1123803	21	4 6.8	21.4
334128 2001 RY_{35}	15.9	X	216.80876	22.55280	310.90850	5.72393	0.1502876	0.17866302	3.1220961	21	3 3.7	21.1
334129 2001 RR_{36}	16.1	X	158.03648	50.91975	336.73821	12.75586	0.2969343	0.17470654	3.1690561	21	3 21.8	21.8
334130 2001 RN_{39}	16.8	X	294.02217	74.72846	236.28961	11.95364	0.2002632	0.23594393	2.5937623	21	4 9.8	20.5
334131 2001 RP_{39}	18.3	X	341.92136	96.41168	318.08276	15.61478	0.1286726	0.35254679	1.9845325	21	—	—
334132 2001 RQ_{39}	15.2	X	184.86957	21.31459	329.53125	27.74851	0.1907063	0.17494611	3.1661624	21	2 24.4	20.6
334133 2001 RS_{39}	15.8	X	241.20414	51.76464	248.86897	10.35830	0.2588701	0.17774649	3.1328195	21	2 7.6	21.4
334134 2001 RX_{39}	15.8	X	177.23178	165.59840	204.24092	17.13884	0.1997176	0.17605755	3.1528232	21	3 12.2	21.3
334135 2001 RM_{40}	17.4	X	141.49756	137.28032	226.33515	5.10001	0.2326630	0.27026423	2.3692470	21	1 24.9	20.9
334136 2001 RC_{41}	16.0	X	212.13239	98.16080	256.48127	6.95135	0.2230451	0.18001719	3.1064192	21	3 21.1	21.5
334137 2001 RF_{41}	15.7	X	227.64142	20.30326	304.79017	10.63260	0.0813179	0.17811766	3.1284657	21	3 4.4	20.6
334138 2001 RE_{50}	17.3	X	123.01430	82.43651	279.78736	5.39002	0.2079449	0.26679875	2.3897191	21	—	—
334139 2001 RN_{56}	17.8	X	89.54000	5.10412	47.06105	1.51110	0.3240562	0.26554850	2.3972140	21	2 7.8	19.8
334140 2001 RM_{85}	17.8	X	125.20956	59.78891	310.23953	1.53370	0.1894795	0.26728194	2.3868381	21	1 10.5	20.7
334141 2001 RS_{89}	17.4	X	84.97489	336.32213	38.30012	3.10122	0.2233478	0.26196392	2.4190326	21	—	—
334142 2001 RP_{91}	16.1	X	209.90011	190.81829	167.21337	16.13725	0.2526657	0.17937936	3.1137787	21	3 27.7	21.6
334143 2001 RB_{97}	17.8	X	135.66823	143.58076	175.41780	2.42522	0.2062458	0.26514372	2.3996532	21	—	—
334144 2001 RJ_{100}	16.9	X	77.14997	327.49354	46.61493	1.86188	0.2095586	0.26206155	2.4184318	21	—	—
334145 2001 RM_{117}	16.6	X	213.77257	322.23754	35.32697	0.56355	0.2741834	0.18056866	3.1000912	21	3 27.9	22.0
334146 2001 RF_{122}	17.5	X	104.39836	355.59932	15.09871	2.65736	0.2013878	0.26476978	2.4019121	21	—	—
334147 2001 RA_{124}	17.5	X	111.68924	14.94122	11.82255	2.45173	0.2220032	0.26704433	2.3882538	21	1 20.3	20.2
334148 2001 RM_{125}	15.9	X	168.03570	354.20137	33.42499	5.51967	0.1861823	0.17649118	3.1476568	21	3 28.9	21.0
334149 2001 RH_{128}	16.9	X	53.66853	296.90281	93.30510	3.38132	0.2271212	0.25922035	2.4360712	21	—	—
334150 2001 RA_{129}	16.7	X	117.77106	236.31945	153.24173	7.07051	0.1178913	0.26886509	2.3774594	21	1 14.1	19.6
334151 2001 RX_{137}	16.0	X	169.78277	204.06236	155.49119	3.63609	0.1265553	0.17435355	3.1733321	21	2 21.8	21.0
334152 2001 RE_{141}	15.3	X	199.98493	335.93737	21.61460	17.20757	0.2217625	0.17745492	3.1362500	21	3 23.1	20.8
334153 2001 RE_{147}	16.9	X	88.60786	94.79593	295.33894	13.19703	0.1857694	0.26490345	2.4011040	21	—	—
334154 2001 RO_{150}	15.6	X	188.57132	220.99212	175.92005	10.35273	0.0967764	0.18176899	3.0864283	21	4 25.5	20.5
334155 2001 RZ_{152}	15.2	X	146.72062	264.16539	132.22350	26.57100	0.3098731	0.17271786	3.1933355	21	4 4.7	21.1
334156 2001 ST_{7}	16.3	X	197.29522	19.64106	2.74802	4.02774	0.2243537	0.18070346	3.0985492	21	4 13.3	21.7
334157 2001 SY_{7}	17.7	X	177.56504	268.66891	12.89779	2.71794	0.2278163	0.26742272	2.3860004	21	—	—
334158 2001 SV_{11}	17.3	X	91.72827	235.60609	159.11243	6.60254	0.1220043	0.26614098	2.3936550	21	—	—
334159 2001 SB_{18}	17.0	X	90.14120	243.70926	125.33897	2.39010	0.1822339	0.26222188	2.4174459	21	—	—
334160 2001 SJ_{24}	17.0	X	209.67267	273.35194	356.71139	8.53051	0.2392155	0.26879093	2.3778967	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334161 2001 SD_{29}	17.2	X	55.80072	247.33955	146.37857	1.58323	0.1927082	0.25921602	2.4360984	21	—	—
334162 2001 SR_{34}	17.1	X	107.73535	341.10061	22.63329	4.44928	0.1905975	0.26344642	2.4099490	21	—	—
334163 2001 SP_{78}	17.8	X	325.32531	14.60330	359.05730	12.78608	0.1564143	0.24567523	2.5248086	21	9 13.9	20.0
334164 2001 SG_{89}	15.8	X	186.63420	209.01583	193.02955	8.73933	0.0997521	0.18151924	3.0892587	21	4 28.8	20.6
334165 2001 SL_{99}	17.9	X	106.52007	150.77530	252.52052	0.96113	0.1657250	0.26818432	2.3814811	21	1 24.8	20.6
334166 2001 SG_{104}	17.1	X	128.46187	84.47870	262.16551	5.03764	0.1344341	0.26542044	2.3979851	21	—	—
334167 2001 SP_{119}	17.3	X	158.81299	351.61663	310.75379	4.75429	0.2281715	0.26616674	2.3935005	21	—	—
334168 2001 ST_{119}	15.3	X	185.10577	356.28349	338.14712	15.60295	0.0829624	0.17242734	3.1969215	21	2 8.7	20.2
334169 2001 SX_{119}	16.6	X	120.12521	57.90190	318.61148	6.00280	0.1173043	0.26765941	2.3845936	21	1 1.4	19.4
334170 2001 SQ_{122}	15.5	X	229.99165	327.16630	345.24082	16.81816	0.1885911	0.17679194	3.1440859	21	2 21.8	20.8
334171 2001 SN_{123}	15.7	X	232.92799	335.38168	307.67156	10.26605	0.1644723	0.17424075	3.1747015	21	1 21.3	20.9
334172 2001 SP_{124}	15.8	X	165.14584	37.32517	340.17162	16.54727	0.2361984	0.17530320	3.1618614	21	3 13.3	21.3
334173 2001 SY_{125}	18.0	X	152.66727	20.76110	304.34062	1.46761	0.1977054	0.26744694	2.3858564	21	—	—
334174 2001 SJ_{126}	17.0	X	191.77495	338.74041	314.25747	6.44949	0.1432884	0.26864094	2.3787817	21	—	—
334175 2001 SN_{127}	17.4	X	100.62718	136.96234	279.33168	1.49058	0.1950443	0.26868791	2.3785044	21	2 7.4	19.8
334176 2001 SA_{130}	17.7	X	127.71430	117.40108	243.47477	1.28426	0.2068478	0.26675668	2.3899704	21	1 4.2	20.7
334177 2001 SC_{133}	15.7	X	177.29400	51.05864	346.96378	9.34916	0.2380761	0.17749611	3.1357649	21	4 14.3	21.3
334178 2001 SO_{135}	16.1	X	197.36182	5.21265	353.60201	3.01553	0.2023575	0.17730217	3.1380511	21	3 18.1	21.3
334179 2001 SO_{142}	15.5	X	203.07932	83.99784	259.18818	3.51564	0.1622682	0.17643683	3.1483032	21	3 3.3	20.8
334180 2001 SV_{156}	15.6	X	186.84388	167.72292	194.83169	17.26079	0.2049521	0.17617127	3.1514662	21	3 12.4	21.1
334181 2001 SD_{157}	16.4	X	30.88681	133.69587	325.00445	6.30945	0.0828378	0.26502299	2.4003820	21	—	—
334182 2001 SE_{162}	17.4	X	106.84293	53.30578	339.56334	4.22805	0.2358568	0.26555332	2.3971850	21	1 24.4	20.1
334183 2001 SR_{162}	16.9	X	120.30698	329.24411	5.86490	6.18484	0.1734011	0.26201148	2.4187399	21	—	—
334184 2001 SV_{164}	17.4	X	86.39800	50.54329	22.33230	21.08931	0.1440290	0.36588375	1.9360087	21	—	—
334185 2001 SS_{168}	17.3	X	256.60485	190.65058	179.35470	4.80797	0.1937212	0.28397215	2.2923744	21	5 17.1	20.6
334186 2001 SK_{170}	16.7	X	191.48155	326.90522	308.61003	6.84883	0.1009548	0.26582326	2.3955619	21	—	—
334187 2001 SH_{178}	17.0	X	98.00385	210.38104	161.22014	5.67101	0.2308906	0.26192679	2.4192612	21	—	—
334188 2001 SP_{195}	16.1	X	152.36078	207.42470	172.65395	9.22497	0.0871685	0.17376489	3.1804949	21	2 24.9	21.0
334189 2001 SU_{197}	17.7	X	132.03638	311.06850	25.46321	1.41872	0.2331206	0.26562045	2.3967811	21	—	—
334190 2001 SQ_{199}	14.8	X	10.80497	208.47106	1.81267	19.08107	0.1813307	0.18203573	3.0834125	21	4 8.9	18.2
334191 2001 SL_{203}	17.2	X	134.28345	225.32213	147.10405	4.15702	0.2321661	0.26879605	2.3778665	21	1 29.8	20.4
334192 2001 SW_{205}	16.6	X	218.08699	302.32188	47.19837	3.03008	0.3289889	0.18062615	3.0994333	21	3 21.4	22.3
334193 2001 SD_{206}	15.8	X	130.49982	65.67196	357.45800	6.36295	0.0904048	0.17528274	3.1621074	21	3 25.2	20.5
334194 2001 SG_{208}	16.4	X	154.66612	60.63899	6.37622	14.81645	0.1147112	0.22831465	2.6512267	21	4 19.1	20.5
334195 2001 SM_{221}	17.4	X	247.22910	256.36848	180.50107	9.26790	0.1929503	0.24014461	2.5634262	21	8 2.1	21.4
334196 2001 SE_{230}	15.9	X	139.78492	19.32455	19.47220	5.74990	0.1597512	0.17165252	3.2065346	21	3 15.4	20.9
334197 2001 SV_{240}	16.5	X	215.41608	266.82092	77.68346	2.19742	0.1758456	0.17723805	3.1388079	21	3 17.6	21.6
334198 2001 SW_{240}	17.5	X	60.05050	148.34387	180.67380	12.66208	0.2145203	0.25379997	2.4706336	21	12 26.7	21.4
334199 2001 SO_{255}	16.0	X	165.94668	200.41569	180.96073	4.98151	0.1364382	0.17280572	3.1922531	21	3 16.1	21.1
334200 2001 SZ_{265}	17.4	X	104.50199	25.07184	359.76047	1.94131	0.2163444	0.26391693	2.4070839	21	1 6.2	19.8
334201 2001 SZ_{289}	15.3	X	212.55240	46.43699	307.81636	15.60328	0.2342803	0.17923962	3.1153968	21	3 16.5	21.0
334202 2001 SS_{291}	16.6	X	168.35772	185.15364	151.22454	12.25580	0.2677541	0.26842646	2.3800486	21	1 20.7	20.6
334203 2001 SO_{298}	16.5	X	213.54088	42.15282	311.68788	3.89671	0.1427360	0.17936438	3.1139521	21	3 24.7	21.6
334204 2001 SZ_{298}	17.7	X	296.77655	185.04920	221.97290	2.54421	0.2389920	0.24428165	2.5344019	21	8 22.6	20.5
334205 2001 SL_{299}	17.3	X	43.18020	93.79157	349.51705	7.73319	0.1103434	0.26515227	2.3996016	21	—	—
334206 2001 SL_{304}	16.2	X	168.46220	217.38393	202.08150	1.03465	0.1670046	0.17832089	3.1260882	21	5 3.6	21.3
334207 2001 SJ_{305}	17.8	X	297.21545	16.06626	359.88859	12.40227	0.1996098	0.24095861	2.5576498	21	7 20.6	21.0
334208 2001 SF_{308}	17.3	X	123.29962	248.30791	115.41314	3.17533	0.2020334	0.26603262	2.3943049	21	1 1.7	20.1
334209 2001 SZ_{308}	16.3	X	169.75402	176.39777	195.74897	7.71202	0.1537456	0.17508838	3.1644471	21	3 8.3	21.4
334210 2001 SQ_{309}	18.0	X	145.40086	134.53551	188.08655	2.17188	0.1773929	0.26539015	2.3981675	21	—	—
334211 2001 SA_{315}	15.7	X	183.50672	114.67167	269.88355	9.67019	0.1253271	0.17747316	3.1360351	21	3 30.9	20.9
334212 2001 SF_{319}	17.6	X	112.50095	296.89751	48.95193	2.39624	0.1927126	0.26318469	2.4115465	21	—	—
334213 2001 SC_{324}	17.6	X	92.55427	48.94316	343.71588	2.18635	0.1779909	0.26439230	2.4041977	21	—	—
334214 2001 SV_{326}	15.6	X	252.66619	121.52958	173.06324	16.13846	0.0441284	0.17725419	3.1386173	21	2 28.9	20.2
334215 2001 SO_{330}	17.4	X	70.59501	220.67630	176.20367	6.57533	0.1312496	0.26321718	2.4113480	21	—	—
334216 2001 SH_{339}	15.3	X	157.09806	95.64689	278.27422	14.84848	0.1584342	0.17342158	3.1846910	21	2 22.1	20.7
334217 2001 SM_{350}	17.2	X	100.43095	338.61356	22.21526	2.19414	0.2160714	0.26017481	2.4301097	21	—	—
334218 2001 SW_{351}	15.7	X	182.51449	192.82881	151.43159	13.51982	0.2763244	0.17293700	3.1906373	21	2 20.7	21.4
334219 2001 SS_{354}	17.6	X	139.63151	293.78044	46.37234	7.79325	0.2388469	0.26656404	2.3911217	21	—	—
334220 2001 TV_{11}	17.1	X	278.98602	165.06941	197.48276	15.67658	0.1783955	0.23678819	2.5875933	21	6 5.7	20.9
334221 2001 TU_{24}	13.0	X	190.51628	181.06324	255.53728	7.21732	0.0978962	0.08229678	5.2345679	21	6 15.1	20.2
334222 2001 TX_{28}	16.5	X	120.22515	91.12139	282.26076	3.90652	0.2417121	0.26492603	2.4009676	21	1 16.6	19.3
334223 2001 TP_{30}	17.0	X	100.43235	250.70638	143.11075	4.89079	0.1760166	0.26413152	2.4057799	21	1 4.7	19.6
334224 2001 TL_{53}	17.2	X	82.70715	306.64750	52.96517	3.87828	0.2084207	0.25948079	2.4344409	21	—	—
334225 2001 TT_{53}	17.1	X	71.70245	316.28010	97.51789	3.58268	0.1958837	0.26255554	2.4153974	21	—	—
334226 2001 TN_{54}	17.5	X	336.19962	215.23556	198.65646	21.41547	0.1040453	0.35138962	1.9888869	21	12 31.0	19.8
334227 2001 TM_{57}	15.9	X	173.38585	164.69025	204.94300	6.71441	0.2186931	0.17394116	3.1783458	21	3 11.2	21.3
334228 2001 TX_{57}	16.8	X	157.05633	93.57531	209.34627	8.26209	0.2387968	0.26434491	2.4044851	21	—	—
334229 2001 TJ_{60}	15.7	X	176.39667	190.95245	190.66878	4.64790	0.1219066	0.17438773	3.1729174	21	3 25.3	20.8
334230 2001 TW_{60}	17.6	X	91.99946	24.24844	10.81651	2.65885	0.2451081	0.26328703	2.4109215	21	1 4.1	19.8
334231 2001 TQ_{67}	17.3	X	185.95590	157.21250	220.01530	6.14336	0.2230793	0.27436727	2.3455670	21	3 21.3	21.2
334232 2001 TH_{70}	17.3	X	105.94228	13.82969	4.27415	3.12319	0.1944175	0.26382054	2.4076701	21	—	—
334233 2001 TX_{81}	15.8	X	195.28230	141.60238	217.71814	7.76962	0.1111216	0.17602719	3.1531857	21	3 14.3	20.9
334234 2001 TT_{83}	16.2	X	159.86147	132.37283	268.08304	4.10732	0.1925644	0.17537051	3.1610523	21	4 3.1	21.5
334235 2001 TY_{88}	15.9	X	129.32305	156.02185	247.86329	3.77171	0.1687377	0.17070464	3.2183937	21	3 9.0	20.8
334236 2001 TM_{91}	17.1	X	79.76558	74.11784	322.82214	2.38924	0.0941189	0.26271314	2.4144313	21	—	—
334237 2001 TZ_{92}	17.3	X	148.10710	157.00876	267.39078	3.14405	0.2308778	0.27430566	2.3459182	21	4 18.0	20.9
334238 2001 TR_{94}	17.0	X	195.38239	182.15919	248.18122	4.87927	0.2918451	0.23052751	2.6342331	21	6 6.2	21.6
334239 2001 TN_{95}	17.4	X	219.11365	186.17428	241.33807	4.47348	0.2657408	0.23360635	2.6110366	21	6 20.8	21.9
334240 2001 TW_{96}	17.8	X	119.54820	62.78408	290.12344	1.36539	0.2500571	0.26349194	2.4096714	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334241 2001 TU_{99}	15.6	X	187.11147	29.09311	295.24712	3.48228	0.1256463	0.16927278	3.2365175	21	1 28.8	20.7
334242 2001 TA_{103}	16.0	X	178.33640	115.51789	258.33237	12.15852	0.3071765	0.17412769	3.1760756	21	3 18.1	21.9
334243 2001 TR_{109}	15.6	X	118.37519	200.45019	224.34818	12.01789	0.1214390	0.17018799	3.2249039	21	3 14.9	20.5
334244 2001 TX_{117}	15.7	X	133.11867	114.23648	304.35489	17.10602	0.2156140	0.17244126	3.1967493	21	3 26.7	21.2
334245 2001 TZ_{122}	16.7	X	297.84393	63.29674	241.59343	7.84704	0.2514558	0.23452800	2.6041915	21	3 30.2	20.5
334246 2001 TN_{126}	16.1	X	223.88126	302.30349	13.09593	9.23241	0.0618742	0.17390062	3.1788397	21	2 25.7	20.9
334247 2001 TT_{141}	16.0	X	165.96524	243.90780	126.80932	4.09711	0.2113009	0.17340802	3.1848570	21	3 9.1	21.3
334248 2001 TL_{159}	17.2	X	296.07763	129.51292	195.82291	1.08054	0.2105646	0.23541453	2.5976494	21	5 3.0	20.7
334249 2001 TF_{179}	15.9	X	165.62956	169.62225	213.55509	26.71032	0.1389447	0.17301747	3.1896479	21	3 13.8	21.3
334250 2001 TF_{184}	17.6	X	12.07159	147.62095	303.55571	1.84834	0.1377652	0.25952784	2.4341467	21	—	—
334251 2001 TE_{187}	17.3	X	90.02963	9.28881	11.88695	1.17826	0.1994539	0.26061810	2.4273534	21	—	—
334252 2001 TO_{209}	17.0	X	101.08700	244.64894	142.20673	11.55300	0.2688394	0.26281197	2.4138260	21	1 11.9	19.6
334253 2001 TT_{211}	17.1	X	121.91301	255.75981	92.68244	5.95754	0.1831843	0.26384193	2.4075400	21	—	—
334254 2001 TK_{218}	16.8	X	142.73987	260.67888	78.03409	5.63683	0.2153459	0.26475307	2.4020132	21	—	—
334255 2001 TO_{218}	16.2	X	115.66080	256.73779	82.09409	7.15915	0.1510931	0.26021761	2.4298433	21	—	—
334256 2001 TS_{227}	16.8	X	107.54558	289.94825	106.78508	5.37045	0.3203886	0.26635659	2.3923631	21	2 13.5	19.7
334257 2001 TA_{230}	13.5	X	243.18856	167.22829	201.03125	13.88928	0.0616204	0.08317197	5.1977818	21	5 24.3	20.6
334258 2001 TK_{235}	16.7	X	99.61440	242.46351	117.31482	6.85272	0.1336600	0.26059414	2.4275022	21	—	—
334259 2001 TC_{245}	16.1	X	202.49405	357.42865	349.60966	4.14468	0.1552717	0.17673426	3.1447700	21	3 8.9	21.1
334260 2001 TJ_{254}	13.5	X	279.77047	194.51618	136.57255	7.83244	0.1180969	0.08383401	5.1703811	21	5 16.1	20.4
334261 2001 TK_{260}	17.7	X	262.00067	340.37431	116.44903	3.19348	0.1151036	0.24544722	2.5263720	21	10 2.1	21.0
334262 2001 TF_{261}	17.4	X	319.85857	302.42688	143.83294	4.51701	0.1800336	0.25129217	2.4870436	21	12 22.1	19.4
334263 2001 UD	15.7	X	178.68712	162.66220	206.11448	15.96583	0.2295988	0.17478294	3.1681326	21	3 13.2	21.3
334264 2001 UH_{6}	17.2	X	173.17421	237.01391	200.12151	6.53781	0.1733483	0.22812319	2.6527099	21	5 28.0	21.5
334265 2001 UZ_{8}	17.8	X	108.87643	245.80806	145.04862	2.46651	0.2080067	0.26522558	2.3991594	21	1 18.9	20.4
334266 2001 UZ_{25}	16.7	X	199.02356	32.38111	314.83872	6.44946	0.1142946	0.27303425	2.3531952	21	2 20.9	20.2
334267 2001 UX_{27}	16.9	X	93.15113	161.23867	193.21333	6.41547	0.1342934	0.25986981	2.4320108	21	—	—
334268 2001 UE_{38}	17.5	X	206.36116	182.58701	216.47311	5.36552	0.1597260	0.28026804	2.3125280	21	5 7.2	20.9
334269 2001 UC_{40}	17.4	X	122.33496	259.04745	99.93437	2.23419	0.2035349	0.26426798	2.4049516	21	—	—
334270 2001 UD_{40}	17.5	X	88.62301	229.59858	127.80636	2.06329	0.2082416	0.25948897	2.4343898	21	—	—
334271 2001 UA_{42}	16.9	X	92.44440	356.04200	53.24442	3.60500	0.1816106	0.26460935	2.4028828	21	1 14.9	19.3
334272 2001 UN_{58}	16.1	X	186.84634	158.47618	218.53977	9.87597	0.2295420	0.17597876	3.1537642	21	3 29.5	21.6
334273 2001 UY_{62}	15.5	X	185.44498	325.12726	25.32234	15.45647	0.2156804	0.17298927	3.1899945	21	3 6.6	21.1
334274 2001 UZ_{73}	17.3	X	101.71374	237.20929	133.78791	3.43404	0.2297174	0.26217617	2.4177269	21	—	—
334275 2001 UU_{74}	16.9	X	94.74786	236.62646	129.35088	2.14755	0.2006467	0.26033046	2.4291410	21	—	—
334276 2001 UY_{89}	16.3	X	158.89260	151.99738	218.47541	4.19349	0.1573931	0.17231193	3.1983487	21	2 25.1	21.4
334277 2001 UZ_{89}	17.5	X	123.04089	108.00207	210.52382	5.98145	0.1383078	0.26086185	2.4258410	21	—	—
334278 2001 UU_{99}	16.9	X	123.68394	137.43813	208.42518	4.30801	0.2167039	0.26242445	2.4162017	21	—	—
334279 2001 UQ_{116}	17.1	X	64.76415	253.51295	123.02025	2.34435	0.1993225	0.25684961	2.4510384	21	—	—
334280 2001 UJ_{133}	16.4	X	145.95688	189.56287	223.39482	2.39997	0.1868577	0.17333917	3.1857002	21	4 6.9	21.4
334281 2001 UQ_{133}	16.2	X	137.63879	212.43883	217.42827	4.08883	0.1706758	0.17366424	3.1817236	21	4 18.2	21.1
334282 2001 UR_{134}	17.6	X	108.64533	300.75517	34.95422	2.67334	0.2149541	0.25959130	2.4337500	21	—	—
334283 2001 UM_{148}	17.7	X	86.67198	303.53523	81.55983	3.81606	0.2143102	0.26092261	2.4254644	21	—	—
334284 2001 UQ_{161}	16.5	X	57.09464	123.79492	237.71089	5.03212	0.1734734	0.25281240	2.4770635	21	—	—
334285 2001 UF_{164}	16.9	X	18.76203	244.57604	189.65724	8.17044	0.1763734	0.25680341	2.4513323	21	—	—
334286 2001 UE_{170}	17.4	X	141.72400	194.03620	247.56488	3.27476	0.1823525	0.27470373	2.3436514	21	4 30.6	20.8
334287 2001 UU_{170}	17.0	X	90.65900	141.82200	239.48098	2.12751	0.2032030	0.26112772	2.4241942	21	—	—
334288 2001 UA_{179}	17.6	X	94.33552	312.00835	93.69888	3.42626	0.2228801	0.26435405	2.4044296	21	1 19.7	19.8
334289 2001 UD_{179}	16.7	X	141.58548	205.06689	215.49447	11.16789	0.1659883	0.22251664	2.6970835	21	4 5.1	21.0
334290 2001 UO_{184}	17.5	X	172.38603	280.06430	130.76829	5.30740	0.2166920	0.27647264	2.3336440	21	4 24.8	21.4
334291 2001 UT_{199}	17.2	X	68.37185	69.18940	354.78110	2.09322	0.1545701	0.26364529	2.4087369	21	—	—
334292 2001 UP_{201}	16.7	X	153.75285	204.26497	215.10474	11.29900	0.1098682	0.22509400	2.6764560	21	4 11.4	20.7
334293 2001 UX_{202}	17.3	X	13.14965	97.71495	334.04178	2.01447	0.1489540	0.25634219	2.4542718	21	—	—
334294 2001 UC_{219}	17.3	X	74.04025	209.17149	200.51198	1.14475	0.1698320	0.26084064	2.4259725	21	—	—
334295 2001 UM_{220}	17.0	X	22.47016	147.99781	283.89148	1.78668	0.1759914	0.25651189	2.4531892	21	—	—
334296 2001 UL_{221}	17.3	X	99.56770	282.21828	75.93374	4.11622	0.2063730	0.25943319	2.4347387	21	—	—
334297 2001 UT_{223}	17.3	X	352.69791	257.92316	135.51647	4.97657	0.1348076	0.25161497	2.4849161	21	12 7.5	19.9
334298 2001 VU_{2}	17.2	X	58.09964	85.77590	234.06824	22.14450	0.1095680	0.34752264	2.0036137	21	12 16.4	19.8
334299 2001 VD_{8}	16.2	X	150.75910	172.55430	239.96308	4.40472	0.1855972	0.17235601	3.1978034	21	4 9.9	21.4
334300 2001 VV_{15}	16.1	X	69.67946	261.13317	177.93957	21.69697	0.2811940	0.26359462	2.4090456	21	1 24.9	18.4
334301 2001 VM_{55}	16.5	X	121.93960	161.03182	258.33116	7.33842	0.1759771	0.21907716	2.7252393	21	3 13.0	20.6
334302 2001 VU_{57}	16.6	X	239.56947	27.74035	29.38039	10.48262	0.1720729	0.23504072	2.6004029	21	7 4.0	20.8
334303 2001 VS_{63}	17.4	X	107.57538	16.83841	349.20345	1.49588	0.2817412	0.26206378	2.4184181	21	—	—
334304 2001 VW_{63}	17.2	X	110.43016	59.10664	303.78427	1.82371	0.2408465	0.26179786	2.4200555	21	—	—
334305 2001 VZ_{88}	15.2	X	226.72359	85.78449	299.59406	11.28224	0.2309297	0.18219180	3.0816513	21	5 6.5	20.6
334306 2001 VZ_{90}	16.7	X	86.60324	299.26382	93.80365	10.65022	0.2400563	0.26122664	2.4235821	21	—	—
334307 2001 VS_{106}	17.0	X	79.32308	186.39019	246.64448	9.88983	0.2288881	0.21365612	2.7711444	21	2 10.2	20.4
334308 2001 VM_{107}	17.0	X	16.71209	190.83301	251.43512	5.17062	0.0860920	0.25655445	2.4529179	21	—	—
334309 2001 VQ_{109}	17.1	X	184.07600	159.32614	248.96489	5.04488	0.2434263	0.22616105	2.6680308	21	5 1.5	21.8
334310 2001 VY_{113}	17.1	X	43.37578	143.36624	264.44028	4.77260	0.1831195	0.25560845	2.4589663	21	—	—
334311 2001 VV_{124}	16.4	X	280.44206	196.39907	274.49790	6.65690	0.1752172	0.24659479	2.5185280	21	11 5.4	19.2
334312 2001 VT_{125}	17.9	X	101.43745	43.54748	338.29303	0.75417	0.2314573	0.26168728	2.4207372	21	—	—
334313 2001 VM_{128}	14.0	X	251.10290	238.54405	143.56342	10.05586	0.0425983	0.08306770	5.2021307	21	6 19.3	21.0
334314 2001 VY_{132}	16.2	X	113.48934	50.63828	283.66029	9.60833	0.2693895	0.25845581	2.4408730	21	—	—
334315 2001 VF_{134}	13.6	X	279.33347	270.87701	89.66364	11.84319	0.0662586	0.08433399	5.1499254	21	6 22.7	20.4
334316 2001 WT_{17}	17.2	X	35.99547	76.68343	342.40335	2.02550	0.1466227	0.25761295	2.4461941	21	—	—
334317 2001 WK_{23}	16.0	X	217.73748	85.13822	212.60469	12.64358	0.2703066	0.17175990	3.2051980	21	1 20.6	21.9
334318 2001 WD_{30}	17.5	X	107.85375	258.93289	125.97931	3.01166	0.2161436	0.26345491	2.4098972	21	1 11.2	20.1
334319 2001 WU_{57}	13.2	X	305.81096	289.18090	28.40394	8.50347	0.0731654	0.08243222	5.2288324	21	6 2.9	20.0
334320 2001 WT_{59}	16.5	X	47.75578	192.82605	238.28219	8.64567	0.1517568	0.20929597	2.8094985	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334321 2001 WX_{63}	17.3	X	117.50641	96.61261	240.86073	1.55819	0.1883709	0.25958588	2.4337839	21	—	—
334322 2001 WN_{95}	18.0	X	74.12791	57.81764	331.68315	0.49678	0.1883121	0.25900905	2.4373960	21	—	—
334323 2001 WR_{97}	17.4	X	49.77869	295.92456	101.36186	2.47927	0.1759526	0.25507969	2.4623633	21	—	—
334324 2001 WW_{99}	17.5	X	54.76533	196.67002	207.77127	1.04263	0.1652262	0.25632992	2.4543501	21	—	—
334325 2001 WG_{102}	15.8	X	219.74118	309.24974	65.84397	8.27249	0.0968222	0.17687685	3.1430796	21	4 30.4	20.6
334326 2001 XH	16.9	X	222.37249	105.82033	323.03928	24.05800	0.2485554	0.28377621	2.2934295	21	6 30.7	21.1
334327 2001 XA_{8}	17.2	X	354.28650	110.81168	306.94870	16.62261	0.1120996	0.35080664	1.9910898	21	—	—
334328 2001 XL_{51}	17.7	X	115.28707	191.30272	220.36577	2.76903	0.1212994	0.26604275	2.3942441	21	2 10.2	20.6
334329 2001 XX_{57}	17.2	X	86.09540	266.26409	140.06875	6.80749	0.3010055	0.26131305	2.4230478	21	1 19.1	19.1
334330 2001 XJ_{77}	17.3	X	75.39116	307.09748	115.66505	3.94963	0.2142732	0.26187385	2.4195873	21	1 6.5	19.0
334331 2001 XW_{92}	16.5	X	16.18432	188.61977	255.77129	8.12046	0.1185069	0.20556898	2.8433544	21	—	—
334332 2001 XH_{126}	16.6	X	74.34506	191.16899	250.21991	8.10322	0.1291302	0.21330530	2.7741820	21	1 31.4	20.0
334333 2001 XP_{126}	17.9	X	73.88458	241.90395	161.71509	1.31233	0.1885413	0.25970456	2.4330423	21	—	—
334334 2001 XH_{137}	17.1	X	76.55984	281.23995	93.73270	5.82518	0.2169550	0.25660081	2.4526225	21	—	—
334335 2001 XY_{145}	17.4	X	289.95770	200.44617	259.43101	3.63649	0.1626203	0.24423978	2.5346916	21	11 9.1	20.1
334336 2001 XY_{167}	16.6	X	99.27878	339.13062	44.27088	10.83243	0.2807904	0.21012422	2.8021108	21	1 23.2	20.4
334337 2001 XO_{177}	16.2	X	230.77966	296.58471	242.10446	3.50808	0.1835127	0.24246621	2.5470369	21	11 26.7	19.7
334338 2001 XN_{180}	17.2	X	7.46577	269.91740	191.60021	2.67822	0.1743741	0.25345975	2.4728440	21	—	—
334339 2001 XA_{199}	15.6	X	160.17118	180.23272	281.85468	15.49675	0.1810902	0.17266763	3.1939548	21	6 17.6	20.9
334340 2001 XS_{217}	15.7	X	300.20087	183.22616	275.66310	13.62106	0.0958037	0.24257340	2.5462865	21	12 2.9	18.6
334341 2001 XW_{228}	17.7	X	56.58181	153.21871	281.26019	4.36931	0.2096688	0.25988891	2.4318916	21	—	—
334342 2001 XO_{231}	16.9	X	123.90042	168.35432	278.78192	7.07956	0.0472302	0.27073778	2.3664834	21	3 26.9	20.1
334343 2001 XO_{232}	16.9	X	70.99706	317.23075	52.86436	5.54257	0.2057393	0.25526139	2.4611947	21	—	—
334344 2001 XJ_{233}	16.8	X	81.59179	340.57939	33.41498	1.60732	0.2041050	0.25708584	2.4495367	21	—	—
334345 2001 XC_{264}	17.6	X	208.19857	177.06268	264.95874	6.91080	0.1299923	0.28218177	2.3020606	21	7 6.1	20.8
334346 2001 YA_{4}	16.5	X	106.37006	73.74142	314.32743	19.50946	0.3412473	0.26086587	2.4258161	21	2 3.4	19.4
334347 2001 YD_{13}	17.8	X	37.78272	343.19189	76.59828	2.21864	0.1730375	0.25587049	2.4572872	21	—	—
334348 2001 YW_{18}	17.3	X	182.00027	63.84240	69.88085	7.01674	0.1632878	0.28035859	2.3120300	21	8 20.1	21.0
334349 2001 YA_{21}	16.9	X	95.63180	76.16853	265.44478	5.19525	0.1467596	0.25613807	2.4555755	21	—	—
334350 2001 YE_{26}	17.5	X	63.03361	31.70312	355.17077	0.76850	0.1873282	0.25600320	2.4564379	21	—	—
334351 2001 YN_{33}	16.9	X	277.17792	288.57313	67.39050	16.06320	0.2247738	0.23243071	2.6198336	21	5 19.9	20.6
334352 2001 YF_{52}	15.5	X	73.36843	282.97855	271.28071	13.95672	0.4367047	0.21958665	2.7210222	21	8 11.8	20.0
334353 2001 YG_{59}	16.0	X	33.83982	66.52514	287.55046	3.86031	0.1527926	0.24644657	2.5195377	21	12 18.5	19.2
334354 2001 YD_{77}	15.8	X	196.92966	266.52289	291.19295	16.46099	0.0874818	0.24186611	2.5512481	21	11 22.1	19.7
334355 2001 YP_{94}	17.7	X	155.73308	74.91756	287.72405	3.69282	0.2039194	0.26278899	2.4139667	21	2 5.9	21.2
334356 2001 YY_{97}	16.9	X	74.12272	271.03034	103.80000	3.29781	0.2108764	0.25610987	2.4557557	21	—	—
334357 2001 YV_{99}	17.4	X	134.87296	185.12638	259.33031	4.70762	0.1864397	0.27105359	2.3646450	21	4 27.1	20.8
334358 2001 YV_{119}	16.0	X	293.41740	277.54927	231.30613	6.77274	0.3360546	0.19739854	2.9212817	21	12 15.4	18.7
334359 2001 YK_{125}	16.7	X	289.95398	143.92751	321.22251	5.00092	0.1984325	0.24447491	2.5330661	21	11 10.1	19.4
334360 2001 YO_{133}	16.2	X	67.52215	102.66303	253.52392	10.98639	0.0325109	0.20059775	2.8901386	21	—	—
334361 2001 YN_{161}	16.1	X	234.57994	203.10361	343.89801	14.30027	0.0480476	0.24496568	2.5296817	21	—	—
334362 2002 AE_{20}	16.3	X	112.19063	60.78747	128.42811	23.66089	0.2748755	0.27503838	2.3417499	21	9 2.9	20.3
334363 2002 AZ_{31}	17.4	X	311.39958	158.81567	317.17916	10.82816	0.1823097	0.24530300	2.5273621	21	—	—
334364 2002 AP_{32}	16.5	X	179.64921	177.97211	348.20456	7.36319	0.1450746	0.23215681	2.6218938	21	9 22.2	20.8
334365 2002 AA_{35}	16.4	X	87.39747	349.41631	36.70150	9.52834	0.2698520	0.20853322	2.8163452	21	1 5.9	19.7
334366 2002 AD_{44}	17.0	X	92.13081	16.01973	134.83042	5.14981	0.0972906	0.27066298	2.3669194	21	5 25.4	19.9
334367 2002 AA_{47}	17.2	X	65.51583	10.44144	119.30791	9.14914	0.1694797	0.21342702	2.7731272	21	4 5.5	20.5
334368 2002 AB_{47}	17.0	X	306.18908	193.55180	275.49577	2.86627	0.1229108	0.24511440	2.5286584	21	12 26.8	19.5
334369 2002 AL_{48}	16.7	X	102.01000	29.45475	129.82775	5.22053	0.2171078	0.27117406	2.3639445	21	7 5.9	19.9
334370 2002 AN_{58}	16.0	X	295.31095	319.97079	129.39985	15.53043	0.1286415	0.24005369	2.5640735	21	11 14.2	19.2
334371 2002 AB_{78}	16.3	X	315.51478	319.73651	83.12069	3.03107	0.1868061	0.18864300	3.0109872	21	9 25.5	19.5
334372 2002 AT_{98}	16.5	X	323.11465	120.76636	306.79339	14.82332	0.1001513	0.24219032	2.5489708	21	11 25.5	19.6
334373 2002 AB_{114}	16.5	X	59.77731	265.33038	117.81801	13.14985	0.1953198	0.25091261	2.4895512	21	—	—
334374 2002 AN_{115}	16.5	X	187.36429	252.81003	309.49218	8.49646	0.1467063	0.23739607	2.5831742	21	11 11.7	20.8
334375 2002 AR_{121}	15.8	X	156.92954	208.78347	320.32684	13.27410	0.0510689	0.22936719	2.6431097	21	8 31.3	19.7
334376 2002 AB_{133}	17.1	X	172.60693	54.32229	108.19784	5.60087	0.1399211	0.23262265	2.6183923	21	9 14.5	21.2
334377 2002 AK_{158}	17.2	X	106.57876	233.18357	273.40223	4.94706	0.1294310	0.27018780	2.3696938	21	6 11.9	20.3
334378 2002 AG_{166}	16.1	X	288.55171	302.27166	142.88403	29.13104	0.1955752	0.23811399	2.5779794	21	10 20.1	19.6
334379 2002 AV_{185}	16.1	X	328.12740	56.11229	29.40024	6.40783	0.0997225	0.24444546	2.5332696	21	—	—
334380 2002 AS_{202}	16.8	X	335.70548	154.50469	267.38684	4.05336	0.1052626	0.24152766	2.5536309	21	12 11.7	19.6
334381 2002 AP_{208}	16.7	X	287.93289	124.40504	334.86575	7.41950	0.0868616	0.24128336	2.5553544	21	11 11.8	20.0
334382 2002 BY_{15}	16.6	X	235.30881	234.16410	279.25827	2.95131	0.1823700	0.23764183	2.5813930	21	10 29.2	20.3
334383 2002 BL_{24}	16.6	X	325.60137	164.38014	280.03824	16.74568	0.2092708	0.24477817	2.5309735	21	12 30.9	18.6
334384 2002 BL_{26}	15.5	X	141.90082	206.66643	331.55179	38.55047	0.3947584	0.22781095	2.6551333	21	9 2.1	20.9
334385 2002 BC_{27}	16.2	X	193.41643	256.44978	302.16770	27.92951	0.0269029	0.24142364	2.5543644	21	11 25.1	20.3
334386 2002 CZ_{26}	16.6	X	319.46222	71.78348	24.57183	4.33367	0.1695446	0.24541999	2.5265589	21	—	—
334387 2002 CY_{30}	16.8	X	37.00705	52.00828	10.90560	5.79975	0.1862014	0.25172358	2.4842013	21	—	—
334388 2002 CH_{38}	17.5	X	129.69668	173.27558	337.76739	3.65340	0.1574149	0.27313187	2.3526345	21	7 19.4	20.9
334389 2002 CM_{83}	16.1	X	102.82197	246.66366	341.47335	13.71693	0.1419992	0.22648161	2.6655127	21	9 22.1	20.2
334390 2002 CT_{90}	16.4	X	66.48273	22.73348	149.21953	12.33641	0.0379710	0.21551877	2.7551546	21	5 14.9	20.3
334391 2002 CT_{93}	17.1	X	233.45011	58.31341	135.29086	8.34802	0.1362305	0.24112046	2.5565052	21	12 25.3	20.5
334392 2002 CC_{118}	16.0	X	271.14169	340.41334	164.91978	14.26635	0.1214601	0.24029642	2.5623464	21	12 17.5	19.3
334393 2002 CP_{145}	15.5	X	168.42695	178.99564	335.54637	16.93488	0.1433514	0.17482061	3.1676775	21	8 26.5	20.5
334394 2002 CF_{157}	16.0	X	97.69764	66.75363	124.87284	13.19875	0.1284553	0.22267502	2.6958045	21	8 1.6	19.8
334395 2002 CT_{170}	16.2	X	244.48042	39.65892	133.04044	8.37915	0.1333948	0.23953254	2.5677912	21	12 13.4	19.6
334396 2002 CT_{194}	16.8	X	333.18820	81.90372	323.66255	8.51554	0.1643720	0.23935016	2.5690954	21	11 11.5	19.5
334397 2002 CO_{200}	16.9	X	342.76649	51.11780	334.00508	14.49347	0.1174060	0.23647440	2.5898819	21	10 24.7	20.0
334398 2002 CP_{212}	16.8	X	23.91618	25.86313	323.99607	5.14513	0.0763486	0.23619672	2.5919113	21	11 13.4	20.0
334399 2002 CG_{214}	17.3	X	251.18025	352.15244	141.52422	5.61157	0.2040555	0.23738532	2.5832522	21	10 22.9	20.9
334400 2002 CL_{264}	17.5	X	316.57493	325.86327	143.36486	4.39418	0.1452009	0.24516630	2.5283015	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334401 2002 CA_{269}	16.3	X	82.40999	318.62387	311.22908	9.84972	0.0816312	0.23261051	2.6184834	21	10 13.7	20.1
334402 2002 CJ_{274}	17.4	X	141.81675	269.53431	126.97219	5.71899	0.1109978	0.26064262	2.4272011	21	2 25.8	20.6
334403 2002 CC_{277}	15.9	X	129.18227	55.09314	149.64122	18.26878	0.0937683	0.17805350	3.1292171	21	9 18.4	20.7
334404 2002 CV_{281}	17.2	X	92.85842	257.53159	298.95445	2.81503	0.1487387	0.27291175	2.3538994	21	8 6.4	20.2
334405 2002 CL_{284}	17.2	X	316.71252	290.22880	159.18564	12.22943	0.1307931	0.24067059	2.5596900	21	12 17.7	20.1
334406 2002 CR_{304}	16.2	X	263.25185	300.07263	164.02694	28.86336	0.1470318	0.23600888	2.5932864	21	10 9.3	19.8
334407 2002 CM_{311}	16.7	X	2.05390	89.18044	311.57642	1.03035	0.2817614	0.24374285	2.5381354	21	—	—
334408 2002 DK_{14}	16.2	X	10.06631	111.14358	140.43611	9.61074	0.0985963	0.21724458	2.7405438	21	6 8.9	19.5
334409 2002 DS_{15}	17.8	X	195.74208	191.56988	296.56806	4.36865	0.1989048	0.27947818	2.3168831	21	8 20.0	21.5
334410 2002 DC_{17}	16.1	X	191.65600	117.82103	96.27295	12.93540	0.1111480	0.23744922	2.5827887	21	12 7.2	20.0
334411 2002 DW_{19}	16.1	X	56.26693	113.13414	162.24345	11.04830	0.0380772	0.17926260	3.1151306	21	9 11.2	20.4
334412 2002 EZ_{2}	20.2	X	99.17834	186.46575	181.07622	13.02499	0.0459172	0.70593979	1.2491779	21	—	—
334413 2002 EO_{38}	16.9	X	110.30738	63.43047	150.66542	5.46544	0.1660172	0.22558748	2.6725514	21	9 18.6	21.0
334414 2002 ES_{38}	16.8	X	345.31866	108.93814	152.56635	14.89121	0.0936669	0.21558524	2.7545883	21	5 14.9	20.4
334415 2002 EN_{42}	16.8	X	173.36018	17.77462	172.09918	14.69603	0.1878147	0.23107160	2.6300964	21	10 17.7	21.2
334416 2002 EV_{60}	17.0	X	181.68758	261.51406	247.04452	2.19916	0.1416975	0.22751865	2.6574068	21	9 1.6	21.3
334417 2002 EA_{63}	17.6	X	172.98941	138.74379	318.64772	0.63941	0.1497759	0.27149143	2.3621019	21	6 20.6	21.2
334418 2002 ER_{113}	16.9	X	54.79500	252.89713	356.96983	7.51399	0.0652964	0.22180536	2.7028464	21	8 15.5	20.4
334419 2002 EV_{113}	16.5	X	16.87793	335.49144	357.42404	12.97236	0.1991868	0.22831138	2.6512520	21	10 23.3	19.4
334420 2002 EG_{131}	17.4	X	62.05457	164.00850	319.22755	3.64271	0.1716406	0.26020197	2.4299406	21	3 5.8	19.7
334421 2002 ED_{142}	16.7	X	104.03007	223.67531	16.24773	3.96297	0.0513931	0.22827751	2.6515143	21	10 2.6	20.5
334422 2002 EM_{144}	16.6	X	59.17669	239.96151	6.96507	8.08907	0.1496804	0.21993686	2.7181330	21	8 31.1	20.1
334423 2002 EB_{151}	16.2	X	27.26757	147.11804	174.02069	11.78104	0.0108822	0.22786453	2.6547170	21	10 4.6	19.6
334424 2002 EB_{152}	16.9	X	324.97472	258.84979	177.66306	11.06190	0.2553379	0.24021764	2.5629066	21	12 16.9	18.9
334425 2002 EW_{161}	15.8	X	116.24702	27.36285	171.44114	18.17310	0.1769456	0.17413492	3.1759877	21	9 1.0	20.9
334426 2002 GM_{34}	16.8	X	170.95616	115.95466	65.04300	3.56898	0.1244256	0.22922431	2.6442079	21	10 5.1	20.8
334427 2002 GX_{34}	16.7	X	228.33053	19.72996	146.98034	8.14260	0.1061370	0.23572950	2.5953350	21	11 20.3	20.4
334428 2002 GD_{41}	15.9	X	196.71854	187.08808	18.77025	16.95142	0.1611763	0.18306519	3.0718420	21	11 14.9	21.0
334429 2002 GQ_{47}	14.9	X	92.75749	252.68349	23.80649	8.95159	0.0492657	0.12519171	3.9574825	21	10 21.3	20.6
334430 2002 GJ_{58}	16.0	X	148.10531	230.34625	303.66544	9.91253	0.1429048	0.22391906	2.6858103	21	8 30.0	20.4
334431 2002 GD_{85}	17.0	X	275.58220	58.89333	71.84569	4.49134	0.1806048	0.23770856	2.5809099	21	11 24.4	19.7
334432 2002 GM_{100}	16.6	X	294.83810	151.83712	357.37614	13.56842	0.0927743	0.24253331	2.5465671	21	—	—
334433 2002 GM_{109}	16.3	X	252.78724	4.59021	156.86869	12.51275	0.2152671	0.23706714	2.5855631	21	11 28.7	19.9
334434 2002 GT_{116}	16.4	X	240.63856	298.74992	180.05384	12.46893	0.1189359	0.22897463	2.6461298	21	9 30.0	20.1
334435 2002 GS_{138}	16.7	X	143.85538	309.24033	250.49516	6.00926	0.2222597	0.22489340	2.6780473	21	9 29.9	21.4
334436 2002 GL_{142}	15.5	X	156.34182	50.71721	206.67366	16.28713	0.1893290	0.18015062	3.1048851	21	12 13.0	20.9
334437 2002 GE_{148}	16.4	X	233.98934	327.93713	239.65161	7.03929	0.1413902	0.23981137	2.5658004	21	—	—
334438 2002 GD_{160}	16.5	X	220.79661	343.44842	196.85246	13.07545	0.1421535	0.23304548	2.6152242	21	11 22.7	20.4
334439 2002 GN_{184}	18.3	X	315.94945	60.13232	200.24034	5.55306	0.2032927	0.30683632	2.1770323	21	2 18.8	21.0
334440 2002 JL_{19}	15.9	X	16.29458	142.40386	75.80531	8.32336	0.1405861	0.20706659	2.8296281	21	5 5.5	19.0
334441 2002 JJ_{119}	15.9	X	171.55053	152.81258	117.03428	12.25800	0.1375747	0.18333122	3.0688696	21	—	—
334442 2002 JG_{121}	16.7	X	50.07625	19.72862	121.59268	11.59463	0.2330091	0.25621623	2.4550761	21	3 23.8	18.7
334443 2002 JR_{144}	16.1	X	211.25699	62.25478	110.11420	14.11510	0.1893506	0.23062754	2.6334714	21	11 2.6	20.5
334444 2002 JU_{150}	16.4	X	202.93234	291.63864	242.10091	13.62354	0.1307470	0.23001892	2.6381147	21	10 23.7	20.5
334445 2002 KQ_{16}	15.5	X	212.68767	217.62851	124.06913	19.51968	0.2132285	0.19071962	2.9890910	21	3 14.1	20.8
334446 2002 LB_{1}	17.2	X	7.84929	187.44285	90.20145	5.69810	0.2515510	0.26228517	2.4170570	21	7 22.1	18.5
334447 2002 LD_{44}	15.9	X	71.40500	218.87734	113.62648	9.66377	0.1280077	0.22745783	2.6578805	21	12 28.8	19.8
334448 2002 LJ_{61}	15.8	X	54.23645	330.08595	249.93274	14.15147	0.1384880	0.21225808	2.7832992	21	7 9.9	19.4
334449 2002 NJ_{11}	17.5	X	292.72416	5.39363	280.21068	6.70859	0.2104826	0.30124600	2.2038829	21	2 24.2	20.8
334450 2002 NP_{16}	16.1	X	251.97129	152.10275	111.57489	30.13366	0.1452059	0.24057223	2.5603876	21	1 6.4	20.0
334451 2002 NM_{41}	16.3	X	194.05179	297.63874	320.44608	14.41242	0.1780762	0.23169875	2.6253483	21	—	—
334452 2002 NE_{63}	16.6	X	292.05800	280.03681	56.07572	2.87647	0.0727240	0.20291858	2.8680596	21	6 4.3	20.5
334453 2002 NC_{69}	16.3	X	187.76103	98.90066	290.29165	9.15083	0.0700883	0.19442066	2.9510355	21	4 6.9	20.9
334454 2002 NK_{69}	15.9	X	319.44540	194.62808	117.55170	16.45585	0.1345195	0.20302012	2.8671032	21	6 6.6	19.6
334455 2002 NZ_{73}	17.9	X	346.82171	30.63921	312.98411	4.67620	0.1569135	0.26209458	2.4182286	21	9 11.9	20.1
334456 2002 NT_{77}	17.8	X	272.68014	223.28494	84.89836	5.35893	0.1750895	0.30024790	2.2087644	21	3 14.9	21.0
334457 2002 OH_{21}	17.3	X	260.58853	311.55749	17.32437	5.27763	0.3557850	0.29939538	2.2129553	21	3 15.3	21.3
334458 2002 OG_{28}	16.4	X	252.13944	156.32068	138.19891	5.01876	0.0498439	0.19072194	2.9890668	21	2 27.6	20.6
334459 2002 PY_{10}	17.3	X	230.75337	46.59578	290.57778	6.35122	0.1087364	0.29575210	2.2310921	21	3 7.9	20.5
334460 2002 PR_{19}	15.5	X	167.98819	62.75682	292.04073	9.03869	0.0532936	0.18623216	3.0369171	21	2 6.1	19.9
334461 2002 PJ_{21}	17.7	X	266.85943	331.10416	307.35211	4.26107	0.1569376	0.29544516	2.2326371	21	1 28.7	20.8
334462 2002 PV_{32}	17.7	X	159.79538	57.75102	295.18894	4.95260	0.1949449	0.28685325	2.2769991	21	1 24.6	21.0
334463 2002 PY_{45}	17.3	X	226.25144	179.57035	159.47906	5.99708	0.1960662	0.29369437	2.2415012	21	3 7.7	20.7
334464 2002 PG_{65}	17.5	X	284.64402	315.58669	357.90345	5.73920	0.2703898	0.30238472	2.1983465	21	3 20.6	20.6
334465 2002 PZ_{76}	17.9	X	294.23501	267.59256	355.86918	5.27501	0.1710740	0.29794670	2.2201228	21	2 6.6	20.8
334466 2002 PA_{123}	15.4	X	81.58924	48.38336	307.35014	20.31593	0.0771587	0.17228076	3.1987346	21	—	—
334467 2002 PH_{129}	17.2	X	242.95991	254.60517	95.82216	6.81308	0.2421369	0.29754459	2.2221226	21	4 6.4	20.9
334468 2002 PA_{132}	18.2	X	269.55663	120.48642	185.30604	6.06850	0.2104154	0.29828766	2.2184306	21	3 1.6	21.6
334469 2002 PO_{152}	17.9	X	280.48479	117.55005	137.79348	5.42595	0.2572405	0.29550190	2.2323513	21	1 5.2	21.7
334470 2002 PM_{163}	16.2	X	49.19508	324.80391	315.00975	10.64794	0.1531680	0.21204783	2.7851387	21	9 22.0	20.0
334471 2002 PM_{174}	15.9	X	265.10214	346.29411	345.40154	11.53652	0.0520880	0.19662754	2.9289131	21	4 23.4	20.3
334472 2002 PK_{185}	15.6	X	304.65099	0.46763	235.25210	10.17556	0.0620663	0.18790248	3.0188929	21	2 11.6	20.1
334473 2002 PE_{186}	17.9	X	170.19693	192.72895	198.40138	5.94002	0.0581105	0.29466978	2.2365519	21	3 11.2	20.7
334474 2002 PK_{187}	16.4	X	299.24054	286.26703	2.47716	8.74061	0.1055522	0.19588609	2.9362993	21	4 7.2	20.3
334475 2002 PR_{187}	17.3	X	200.54516	29.45781	319.60233	7.41461	0.2047413	0.29321405	2.2439484	21	2 24.8	21.0
334476 2002 PA_{188}	16.3	X	71.98791	205.39048	110.88036	8.25462	0.0831674	0.21978217	2.7194083	21	12 3.8	20.1
334477 2002 PX_{192}	18.3	X	322.26475	62.43497	184.30393	2.89892	0.1942708	0.29921621	2.2138387	21	2 12.1	21.0
334478 2002 PZ_{194}	18.4	X	286.71700	337.56063	297.13902	0.08197	0.1732095	0.29820751	2.2188281	21	2 11.3	21.5
334479 2002 PV_{195}	16.6	X	150.75710	95.57641	254.79228	7.28150	0.0700295	0.18268017	3.0761567	21	1 15.8	21.3
334480 2002 PF_{197}	16.4	X	173.47250	323.51646	253.27412	4.07249	0.1418162	0.22251926	2.6970623	21	11 16.9	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334481 2002 QM_6	17.5	X	285.77219	81.35581	144.61124	23.13118	0.0524115	0.39225473	1.8482353	21	—	—
334482 2002 QE_{18}	16.1	X	143.38338	306.61993	343.46606	12.37618	0.2451110	0.22554891	2.6728560	21	—	—
334483 2002 QN_{19}	15.4	X	135.35259	16.74846	348.59136	17.95446	0.0829613	0.17988254	3.1079692	21	1 25.5	20.2
334484 2002 QO_{22}	18.0	X	222.99618	117.11780	247.13273	1.31403	0.1764158	0.29723828	2.2236490	21	4 5.1	21.5
334485 2002 QK_{27}	16.3	X	280.59674	207.84186	140.95354	10.86903	0.1090362	0.19981780	2.8976545	21	6 2.8	20.5
334486 2002 QC_{30}	16.0	X	231.58974	201.26144	89.95369	2.83712	0.1080364	0.18594195	3.0400762	21	1 30.0	20.7
334487 2002 QL_{30}	18.4	X	197.89782	285.45884	78.93613	1.74272	0.2237280	0.29330823	2.2434680	21	3 16.3	22.2
334488 2002 QW_{36}	18.1	X	189.90975	193.41078	154.14646	4.55130	0.1785446	0.28923904	2.2644606	21	2 14.0	21.7
334489 2002 QY_{51}	16.6	X	231.53939	109.57688	152.80451	12.71956	0.1686511	0.23464364	2.6033358	21	—	—
334490 2002 QN_{57}	17.6	X	140.81873	236.25203	162.43163	4.52293	0.1087932	0.28977607	2.2616620	21	2 20.9	20.4
334491 2002 QH_{60}	16.6	X	272.15591	92.95649	248.85430	4.95078	0.2319565	0.19782228	2.9171085	21	4 25.6	21.2
334492 2002 QG_{68}	17.2	X	208.41661	227.55589	149.31435	8.05010	0.1415871	0.29643218	2.2276784	21	4 11.7	20.6
334493 2002 QC_{69}	15.9	X	167.22254	332.03451	358.88353	9.33840	0.0927481	0.18095441	3.0956838	21	1 16.3	20.7
334494 2002 QS_{71}	16.5	X	271.03643	195.41076	148.97489	12.71031	0.0657668	0.19819887	2.9134122	21	5 23.4	20.8
334495 2002 QO_{88}	16.3	X	190.43327	232.58095	92.76331	4.68935	0.1064553	0.18280882	3.0747132	21	1 31.5	21.1
334496 2002 QT_{88}	18.0	X	289.06678	106.98692	167.95266	7.59968	0.1394698	0.29569285	2.2313901	21	2 17.5	20.9
334497 2002 QD_{89}	16.9	X	288.71281	130.60397	199.70259	1.21204	0.0949845	0.19853442	2.9101285	21	5 20.3	20.8
334498 2002 QX_{93}	16.2	X	313.01922	259.26675	345.55360	6.09658	0.1496975	0.19131108	2.9829270	21	2 25.1	20.0
334499 2002 QY_{93}	16.1	X	147.27460	188.34486	150.44773	10.25914	0.0769573	0.17833086	3.1259718	21	1 1.1	20.8
334500 2002 QH_{94}	16.0	X	240.00133	194.06623	203.35628	11.28115	0.0987456	0.19850781	2.9103886	21	6 16.0	20.5
334501 2002 QJ_{107}	16.0	X	140.48921	155.63348	312.38852	11.70495	0.0610682	0.19719803	2.9232615	21	5 24.9	20.5
334502 2002 QH_{124}	17.7	X	176.86237	244.29243	161.16023	6.84690	0.0912623	0.29775915	2.2210549	21	4 13.8	20.7
334503 2002 QF_{130}	18.2	X	276.77424	200.85419	105.06096	5.06746	0.1892489	0.29917324	2.2140507	21	3 14.4	21.4
334504 2002 QN_{135}	16.7	X	87.02204	261.51893	81.92722	5.86870	0.1270480	0.22233077	2.6985865	21	—	—
334505 2002 QO_{136}	18.3	X	299.85107	73.87437	182.71200	2.21725	0.1642316	0.29726529	2.2235142	21	2 2.6	21.3
334506 2002 QG_{146}	16.2	X	200.98277	88.40931	335.00848	10.43608	0.0928948	0.19855391	2.9099381	21	6 5.9	20.8
334507 2002 QM_{148}	17.5	X	124.11449	138.48969	289.22034	6.17620	0.0572298	0.29274333	2.2463532	21	2 27.6	20.2
334508 2002 QZ_{152}	17.3	X	250.18124	4.92130	32.00992	6.38103	0.1151248	0.25337068	2.4734235	21	6 24.6	20.9
334509 2002 RE_{19}	17.1	X	205.54344	329.65474	8.13669	6.80304	0.2234148	0.29041506	2.2583433	21	2 19.3	20.8
334510 2002 RQ_{26}	17.6	X	262.63504	51.22521	241.88468	5.48894	0.1911408	0.29440510	2.2378922	21	2 7.8	21.1
334511 2002 RM_{53}	17.9	X	220.46058	216.21045	147.22899	5.65491	0.2008581	0.29559203	2.2318974	21	4 3.8	21.5
334512 2002 RN_{54}	17.6	X	205.03613	179.71515	192.05216	4.31932	0.1573196	0.29340343	2.2429827	21	3 29.9	20.9
334513 2002 RZ_{58}	17.4	X	228.59349	71.36328	278.10876	3.99211	0.1966802	0.29505201	2.2346199	21	3 20.1	21.0
334514 2002 RK_{59}	16.8	X	286.14953	5.55233	301.38405	4.28126	0.2932051	0.19503416	2.9448438	21	3 20.3	21.4
334515 2002 RY_{69}	17.6	X	199.80346	237.09576	157.71615	5.80574	0.1357449	0.29660094	2.2268333	21	4 25.9	21.0
334516 2002 RC_{82}	17.0	X	231.57834	319.03404	349.41723	7.97179	0.0953703	0.28973732	2.2618637	21	2 5.9	20.1
334517 2002 RP_{82}	17.7	X	215.49895	179.45002	169.93445	6.23977	0.2096307	0.29282238	2.2459489	21	3 11.1	21.3
334518 2002 RO_{99}	16.9	X	244.37863	327.85099	7.57360	7.16403	0.1559519	0.29404499	2.2397189	21	3 21.5	20.1
334519 2002 RE_{105}	16.9	X	161.91486	359.87592	7.05125	7.04987	0.1287254	0.28597311	2.2816687	21	2 9.8	20.0
334520 2002 RM_{125}	16.3	X	269.55681	134.78709	214.30988	14.34263	0.3271194	0.19711568	2.9240757	21	4 23.2	21.2
334521 2002 RX_{135}	17.3	X	239.07855	227.32691	112.68730	6.24016	0.2011669	0.29594020	2.2301466	21	3 22.3	20.9
334522 2002 RZ_{136}	18.0	X	192.03868	240.50069	116.90285	1.42924	0.2327069	0.29116137	2.2544825	21	3 2.9	21.7
334523 2002 RU_{150}	16.1	X	263.00883	61.46845	290.64420	9.58934	0.1486642	0.19759519	2.9193431	21	5 6.7	20.6
334524 2002 RL_{163}	18.1	X	206.80775	8.26598	334.41952	2.56832	0.1773725	0.29133390	2.2535924	21	2 23.1	21.7
334525 2002 RW_{170}	18.0	X	205.93282	22.49589	308.94160	4.72875	0.1612775	0.29062007	2.2572811	21	2 7.6	21.3
334526 2002 RX_{186}	15.7	X	201.27690	79.20790	324.85727	13.47824	0.3557705	0.19013396	2.9952259	21	5 5.2	21.7
334527 2002 RG_{189}	17.3	X	238.09031	213.99380	130.48641	7.14256	0.3590969	0.29496342	2.2350673	21	3 20.9	21.5
334528 2002 RY_{198}	15.3	X	309.03405	324.86109	4.31692	11.21898	0.1495223	0.20005491	2.8953645	21	6 5.9	19.1
334529 2002 RJ_{204}	15.6	X	199.13767	85.49866	341.19979	10.51005	0.0871063	0.19758523	2.9194412	21	6 8.4	20.2
334530 2002 RB_{219}	17.7	X	220.47539	4.68972	351.02699	5.51017	0.1799251	0.29551960	2.2322621	21	3 22.7	21.2
334531 2002 RO_{220}	17.1	X	35.37368	323.20691	73.27287	4.69146	0.2618298	0.27214627	2.3583113	21	—	—
334532 2002 RL_{227}	17.9	X	201.13842	49.14366	327.77455	4.55559	0.1981368	0.29378058	2.2410626	21	3 31.5	21.5
334533 2002 RV_{232}	16.7	X	186.10416	190.02175	234.87762	2.79511	0.1775671	0.19276154	2.9679446	21	5 24.9	21.7
334534 2002 RA_{240}	16.4	X	298.70086	349.19758	320.13382	5.78695	0.2074087	0.19750395	2.9202421	21	4 16.3	20.4
334535 2002 RL_{243}	16.0	X	242.91889	91.62993	288.34104	10.83417	0.0760089	0.19806928	2.9146828	21	5 29.8	20.3
334536 2002 RT_{243}	16.1	X	241.26161	16.68455	300.62541	5.48530	0.1075584	0.19002287	2.9963931	21	3 7.8	20.7
334537 2002 RP_{244}	17.8	X	215.80614	243.73369	128.18974	5.04619	0.1476871	0.29699474	2.2248644	21	4 11.9	21.1
334538 2002 RA_{246}	18.6	X	206.25735	32.58036	306.29020	0.55484	0.2010826	0.29180843	2.2511486	21	2 18.2	22.1
334539 2002 RV_{247}	15.9	X	206.84084	305.67356	4.05387	8.80952	0.1229043	0.18391287	3.0623956	21	1 30.7	20.8
334540 2002 RC_{260}	16.1	X	155.89281	330.06792	349.98586	7.98347	0.0602363	0.17628565	3.1501029	21	—	—
334541 2002 RY_{269}	18.3	X	286.21446	122.96470	152.82518	5.43247	0.1708415	0.29657210	2.2269776	21	2 12.4	21.5
334542 2002 RW_{274}	18.1	X	160.53521	49.66242	10.32672	3.05993	0.2211725	0.29352718	2.2423522	21	4 22.3	21.6
334543 2002 RH_{277}	16.0	X	136.93514	347.72151	353.97350	12.63311	0.1530918	0.17671478	3.1450010	21	1 4.7	20.9
334544 2002 RP_{277}	17.5	X	272.56562	355.21396	281.38965	6.83257	0.1620958	0.29375067	2.2412148	21	1 30.5	20.8
334545 2002 RC_{278}	16.3	X	271.97806	28.26637	240.27020	7.48525	0.1264526	0.18735157	3.0248081	21	2 7.1	21.0
334546 2002 ST_7	17.8	X	188.11054	355.68088	7.61132	5.53246	0.1709300	0.28936727	2.2637916	21	3 5.4	21.3
334547 2002 SV_{19}	17.3	X	25.37732	112.41703	8.58002	21.27736	0.0490941	0.38745809	1.8634578	21	—	—
334548 2002 SY_{19}	16.8	X	238.52132	79.33675	187.45758	22.54568	0.2452965	0.28599779	2.2815374	21	—	—
334549 2002 SU_{29}	15.0	X	121.41009	349.86946	26.05030	8.91172	0.2980200	0.12352235	3.9930587	21	2 21.6	21.3
334550 2002 SY_{32}	17.0	X	235.88348	331.10713	345.34882	6.42543	0.1610502	0.29097483	2.2554460	21	2 17.7	20.3
334551 2002 SW_{37}	15.5	X	245.93652	304.05191	19.26679	10.00653	0.2029587	0.18793787	3.0185140	21	3 17.6	20.4
334552 2002 SS_{43}	16.1	X	252.66856	289.21609	92.80715	1.99593	0.1829794	0.19691673	2.9260448	21	6 1.5	20.6
334553 2002 SV_{47}	15.8	X	211.30806	174.10595	188.34801	10.56750	0.1101506	0.18839371	3.0136429	21	4 3.9	20.6
334554 2002 SE_{54}	17.3	X	172.42040	158.68700	228.21478	5.61689	0.1910482	0.29117595	2.2544073	21	3 18.2	20.8
334555 2002 SP_{66}	16.8	X	247.35918	252.56402	135.05623	2.22307	0.1134208	0.19911654	2.9044539	21	6 10.5	21.1
334556 2002 SS_{69}	16.1	X	212.29620	6.89047	3.63322	8.67078	0.1014183	0.18968063	2.9999964	21	4 12.6	20.8
334557 2002 SD_{71}	18.1	X	252.13965	286.43101	36.55572	2.32002	0.1440139	0.29684948	2.2255901	21	3 13.9	21.3
334558 2002 TV_5	15.5	X	231.55840	300.51039	30.77820	9.64587	0.0730310	0.18585269	3.0410494	21	3 22.6	20.1
334559 2002 TK_{11}	15.2	X	113.80421	340.34093	6.31883	15.17765	0.2493861	0.17257579	3.1950879	21	—	—
334560 2002 TW_{18}	17.3	X	355.83039	175.89254	207.48393	4.15911	0.2325141	0.26339850	2.4102413	21	12 15.5	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334561 2002 TZ_{24}	17.4	X	207.46058	294.42286	25.56135	6.97472	0.2116541	0.28754910	2.2733242	21	1 30.4	21.2
334562 2002 TM_{53}	15.4	X	178.69962	150.87303	236.22051	16.78040	0.2147569	0.18213380	3.0823055	21	4 1.0	20.9
334563 2002 TV_{59}	16.9	X	233.34492	66.29049	202.79083	23.10565	0.2319985	0.28537688	2.2848456	21	—	—
334564 2002 TC_{62}	17.2	X	189.14100	132.61785	265.52846	6.29245	0.1000556	0.29370998	2.2414217	21	4 13.8	20.5
334565 2002 TE_{63}	17.5	X	183.29224	177.87005	217.26800	6.34463	0.0840619	0.29215312	2.2493776	21	4 4.0	20.6
334566 2002 TS_{71}	17.3	X	219.97706	67.21656	264.87748	6.19371	0.2296892	0.29078334	2.2564361	21	2 18.8	21.2
334567 2002 TE_{76}	17.6	X	165.71911	45.27694	335.25414	4.24275	0.1952864	0.28741111	2.2740518	21	3 6.2	21.1
334568 2002 TO_{88}	15.6	X	253.43545	131.71663	231.59595	8.86308	0.0937344	0.19321342	2.9633153	21	5 19.9	19.9
334569 2002 TH_{89}	16.9	X	50.16299	91.74918	326.88444	5.60090	0.0839732	0.27482700	2.3429505	21	—	—
334570 2002 TY_{95}	17.6	X	159.61516	154.15646	242.23739	5.75081	0.1809021	0.28837186	2.2689981	21	3 17.1	21.0
334571 2002 TK_{100}	16.0	X	209.01375	176.76352	219.47739	8.26038	0.2016582	0.19256775	2.9699354	21	5 9.6	20.9
334572 2002 TX_{101}	17.3	X	199.90560	30.75525	353.36066	4.41188	0.2340506	0.29323772	2.2438276	21	4 9.7	21.0
334573 2002 TC_{102}	16.3	X	264.35237	322.42368	347.84764	9.31728	0.2022538	0.18998954	2.9967436	21	3 15.2	21.1
334574 2002 TA_{105}	16.3	X	240.43405	93.47238	268.44799	2.43388	0.1487237	0.19199420	2.9758473	21	4 27.9	20.9
334575 2002 TK_{105}	15.3	X	266.35865	51.18590	308.29327	12.42519	0.1305246	0.19725843	2.9226647	21	5 22.6	19.8
334576 2002 TR_{106}	16.1	X	197.41867	72.00739	219.48174	9.25469	0.2020269	0.17705409	3.1409817	21	—	—
334577 2002 TE_{113}	15.4	X	210.76550	101.95385	266.03219	9.49640	0.1138339	0.18859723	3.0114744	21	4 5.4	20.4
334578 2002 TR_{117}	15.4	X	174.98109	319.05109	352.81155	16.67739	0.2095687	0.17613366	3.1519148	21	1 11.2	20.9
334579 2002 TU_{117}	16.8	X	193.38754	34.57877	314.75761	7.58783	0.1596571	0.28816087	2.2701055	21	2 17.9	20.2
334580 2002 TF_{122}	16.1	X	118.59384	139.99075	232.14382	10.38918	0.1905403	0.17556628	3.1587019	21	1 20.7	20.9
334581 2002 TR_{122}	15.6	X	218.44751	87.04735	274.15402	8.65932	0.1076626	0.18999549	2.9966810	21	4 4.9	20.5
334582 2002 TV_{123}	15.7	X	182.78886	55.71240	320.98192	10.50936	0.1097110	0.18592166	3.0402973	21	3 20.0	20.6
334583 2002 TO_{127}	17.3	X	170.79955	15.53479	319.18149	6.22312	0.1643217	0.28416868	2.2913174	21	1 11.2	20.6
334584 2002 TU_{133}	15.4	X	222.65938	108.57715	268.94016	8.72356	0.0556833	0.19281734	2.9673719	21	5 4.1	19.9
334585 2002 TJ_{155}	16.0	X	263.03865	120.51506	222.92174	10.00190	0.1881784	0.19537622	2.9414056	21	4 23.9	20.6
334586 2002 TL_{155}	16.0	X	180.47908	83.07061	309.54942	9.77828	0.2097968	0.18838460	3.0137400	21	4 7.5	21.3
334587 2002 TA_{168}	15.7	X	252.39723	96.02528	241.67125	15.94959	0.1770335	0.19177706	2.9780931	21	4 4.3	20.7
334588 2002 TK_{182}	15.5	X	266.55438	35.77054	282.80200	9.63863	0.1000045	0.19117028	2.9843915	21	4 2.9	20.1
334589 2002 TH_{184}	15.7	X	168.06098	147.60701	244.83411	5.27149	0.1712870	0.18527755	3.0473395	21	3 29.8	20.7
334590 2002 TQ_{194}	15.9	X	222.11494	135.57394	198.20787	16.60551	0.2192665	0.18608032	3.0385688	21	3 4.7	21.3
334591 2002 TP_{207}	15.8	X	187.29448	183.95993	227.51309	8.48385	0.2084693	0.18746101	3.0236307	21	5 10.1	20.9
334592 2002 TW_{210}	17.7	X	216.32129	159.86427	201.28632	2.14043	0.2188491	0.29242197	2.2479987	21	3 26.1	21.5
334593 2002 TT_{219}	15.9	X	182.19619	43.43682	326.40663	9.10525	0.1407404	0.18363016	3.0655380	21	3 14.1	20.9
334594 2002 TS_{233}	15.8	X	153.72567	96.48751	297.46566	10.85560	0.1889428	0.18216635	3.0819383	21	3 16.9	21.1
334595 2002 TV_{233}	15.6	X	226.52798	64.05819	298.30069	10.69673	0.1566350	0.18953631	3.0015191	21	4 10.4	20.7
334596 2002 TE_{244}	16.1	X	335.37843	350.36242	334.99738	1.02280	0.0997392	0.19964862	2.8992912	21	7 22.6	19.6
334597 2002 TZ_{253}	17.9	X	217.02056	75.81299	286.32903	3.49593	0.1762391	0.29314226	2.2443147	21	3 26.8	21.6
334598 2002 TC_{269}	15.3	X	208.71182	170.97544	226.89914	9.21920	0.0638584	0.19183929	2.9774491	21	5 15.9	19.8
334599 2002 TH_{276}	17.1	X	233.36121	113.04720	224.99375	5.35373	0.2271526	0.29318348	2.2441044	21	3 9.2	20.8
334600 2002 TL_{276}	17.8	X	204.34803	20.42600	331.30972	2.84491	0.1998456	0.28998659	2.2605673	21	3 4.5	21.5
334601 2002 TY_{278}	15.9	X	230.33496	69.07537	290.71661	7.38523	0.2295714	0.18985474	2.9981619	21	4 8.7	21.1
334602 2002 TK_{310}	16.4	X	198.69640	195.34816	179.87909	18.34076	0.1389723	0.18647364	3.0342947	21	4 8.3	21.3
334603 2002 TG_{312}	15.5	X	198.54691	220.91723	44.99282	27.38440	0.1536822	0.17183053	3.2043197	21	—	—
334604 2002 TE_{314}	15.9	X	213.23201	211.76908	162.97855	12.95750	0.1503459	0.18787310	3.0192076	21	4 22.2	20.9
334605 2002 TH_{314}	16.7	X	272.15473	43.43114	184.09459	22.95104	0.1557873	0.27958881	2.3162718	21	—	—
334606 2002 TZ_{331}	18.0	X	19.34756	357.75567	160.89842	4.78858	0.0932920	0.28639446	2.2794302	21	1 26.5	20.1
334607 2002 TA_{349}	15.9	X	87.41239	309.94626	129.37243	12.10804	0.0471097	0.17671591	3.1449877	21	2 17.0	20.2
334608 2002 TK_{361}	17.1	X	217.24650	287.19311	98.91239	2.13334	0.1558897	0.19160946	2.9798295	21	5 6.5	21.8
334609 2002 TO_{370}	15.8	X	46.10641	1.89619	169.10472	17.08097	0.0180900	0.18425033	3.0586553	21	4 16.1	20.2
334610 2002 TG_{376}	17.3	X	17.00286	269.04819	24.17206	8.85275	0.1659011	0.30805122	2.1713047	21	9 10.2	19.0
334611 2002 UO_{2}	16.1	X	81.14643	189.97878	272.93970	22.56707	0.2312096	0.28206554	2.3026930	21	3 2.1	19.0
334612 2002 UX_{11}	16.1	X	169.73345	50.39312	290.56454	21.41656	0.2404643	0.28470380	2.2884453	21	1 21.6	19.7
334613 2002 UD_{24}	16.3	X	203.83085	1.95493	27.05103	3.93695	0.1730263	0.18828556	3.0147967	21	4 26.8	21.1
334614 2002 UG_{45}	16.4	X	214.23744	243.79577	168.63445	7.51506	0.2916585	0.19120685	2.9840110	21	5 30.9	21.8
334615 2002 UT_{57}	16.3	X	66.07797	346.95928	165.47400	10.43885	0.0273517	0.18542975	3.0456718	21	4 19.0	20.5
334616 2002 UO_{58}	18.2	X	185.66891	209.13693	100.68667	7.54803	0.2690584	0.28315998	2.2967557	21	1 1.7	22.0
334617 2002 UU_{64}	17.9	X	125.47537	261.92913	190.28308	4.30680	0.1080495	0.29143079	2.2530929	21	4 16.8	20.5
334618 2002 UY_{67}	16.0	X	33.92138	315.05313	171.86329	10.39623	0.0491911	0.17793845	3.1305659	21	2 1.8	20.3
334619 2002 UA_{73}	16.2	X	202.25807	40.40156	328.91382	1.47768	0.0958501	0.18379498	3.0637051	21	4 2.9	21.0
334620 2002 UU_{78}	16.1	X	140.82733	218.51368	223.21610	9.72147	0.0603109	0.18517025	3.0485167	21	4 24.4	20.6
334621 2002 VE_{3}	15.3	X	66.85930	236.38621	244.22833	14.08278	0.0686267	0.17793650	3.1305887	21	3 7.6	19.8
334622 2002 VT_{3}	17.4	X	193.22736	35.34495	342.67089	2.82164	0.2294193	0.28988134	2.2611144	21	3 28.3	21.0
334623 2002 VZ_{3}	15.7	X	141.02876	139.66120	296.33692	4.68006	0.1451909	0.18238040	3.0795264	21	4 24.3	20.6
334624 2002 VY_{9}	17.4	X	199.93779	41.50551	322.55607	4.31935	0.1741186	0.28928655	2.2642127	21	3 14.7	21.0
334625 2002 VL_{15}	16.2	X	202.67023	271.51980	49.80274	28.22409	0.4007967	0.23265427	2.6181550	21	2 16.6	21.9
334626 2002 VF_{39}	17.5	X	199.74174	283.37632	75.43542	9.23478	0.2803568	0.28971990	2.2619543	21	3 16.3	21.6
334627 2002 VA_{67}	17.4	X	116.39889	167.97898	198.76454	4.68888	0.1952779	0.27782127	2.3260858	21	—	—
334628 2002 VV_{76}	16.7	X	235.42196	181.58350	207.94923	6.06346	0.2864219	0.19188564	2.9769696	21	5 18.8	21.8
334629 2002 VU_{78}	16.3	X	204.70242	197.57023	192.30826	5.96111	0.2999427	0.18735213	3.0248020	21	4 27.7	21.7
334630 2002 VE_{84}	15.8	X	115.64590	173.82965	240.02879	22.48890	0.2157604	0.27938376	2.3174050	21	2 16.1	19.3
334631 2002 VU_{99}	16.1	X	119.12390	93.81051	338.03675	22.59222	0.2983226	0.28191535	2.3035107	21	3 27.9	19.7
334632 2002 VC_{105}	17.8	X	307.97796	63.24861	327.29713	3.82587	0.2146216	0.30702071	2.1761605	21	9 1.1	19.2
334633 2002 VX_{108}	16.1	X	165.07095	165.31920	270.31556	5.25143	0.3048288	0.18392453	3.0622662	21	5 23.7	21.7
334634 2002 VE_{111}	15.8	X	216.84993	94.09343	260.06668	10.91166	0.2384533	0.18521358	3.0480412	21	3 21.5	21.3
334635 2002 VZ_{117}	15.4	X	133.31342	144.41572	299.78445	29.21940	0.3633834	0.17960924	3.1111212	21	5 10.1	21.4
334636 2002 VH_{118}	17.2	X	306.49644	82.48473	224.88282	3.39383	0.1802760	0.29724490	2.2236159	21	4 20.6	19.6
334637 2002 VY_{119}	17.8	X	156.75236	48.37914	347.35659	3.70510	0.2710786	0.28544760	2.2844682	21	3 23.3	21.5
334638 2002 VP_{126}	17.2	X	172.84361	125.15975	278.54830	6.17823	0.1871735	0.28866849	2.2674434	21	4 8.3	20.8
334639 2002 VA_{132}	15.6	X	176.54990	321.36994	55.29907	9.59994	0.0536130	0.17933496	3.1142926	21	3 21.1	20.3
334640 2002 VE_{139}	15.4	X	100.79173	176.81130	272.98610	11.59189	0.0273935	0.17914518	3.1164916	21	3 7.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334641 2002 VY_{139}	16.0	X	149.74223	56.55213	333.08981	5.08868	0.1347566	0.17940429	3.1134901	21	3 9.1	20.7
334642 2002 VG_{143}	16.7	X	136.64472	313.53084	132.04306	4.53080	0.1971293	0.18232363	3.0801657	21	5 9.6	21.6
334643 2002 WF_1	15.9	X	157.52804	248.10716	188.44993	17.16242	0.3313048	0.18295744	3.0730479	21	5 22.9	21.7
334644 2002 WD_3	15.7	X	161.28338	98.99165	305.23751	9.22236	0.2463879	0.18303265	3.0722060	21	4 8.2	21.1
334645 2002 WT_{12}	15.9	X	149.60170	225.78986	195.88901	14.50921	0.3051399	0.18092620	3.0960056	21	4 28.8	21.4
334646 2002 WH_{21}	16.2	X	145.74935	344.99682	73.89577	4.58466	0.1017375	0.18014340	3.1049681	21	4 8.7	20.9
334647 2002 WL_{26}	18.1	X	125.55790	261.68382	142.06704	3.58299	0.0738902	0.28106236	2.3081690	21	2 4.2	20.9
334648 2002 XE_{12}	15.7	X	188.22431	125.87539	284.62117	11.70052	0.2175942	0.18580017	3.0416225	21	5 6.9	21.1
334649 2002 XM_{17}	15.8	X	197.57549	122.38810	288.65827	10.00891	0.1979483	0.18730179	3.0253440	21	5 16.1	21.0
334650 2002 XX_{20}	15.3	X	164.39363	144.73004	259.88870	15.44342	0.1096689	0.18134370	3.0912519	21	4 3.1	20.4
334651 2002 XY_{26}	15.9	X	198.73241	104.15628	300.11083	9.63152	0.1602652	0.18783301	3.0196373	21	5 8.3	21.0
334652 2002 XV_{30}	17.5	X	311.16470	216.11599	280.31086	18.99924	0.0953901	0.37137478	1.9168779	21	—	—
334653 2002 XP_{32}	17.3	X	256.60548	39.28400	19.32509	4.91407	0.1326006	0.30069012	2.2065983	21	8 2.9	20.1
334654 2002 XT_{44}	17.1	X	124.14761	314.15506	82.87780	7.51625	0.1084260	0.28067855	2.3102726	21	1 31.6	19.9
334655 2002 XN_{46}	16.9	X	18.46371	154.39951	320.73480	5.61520	0.1013094	0.27250127	2.3562626	21	—	—
334656 2002 XT_{46}	16.2	X	225.64746	230.92197	302.55239	8.01255	0.1592522	0.25711121	2.4493755	21	11 17.7	19.8
334657 2002 XO_{49}	17.2	X	187.60965	339.07400	57.68067	3.18566	0.1625298	0.28888276	2.2663221	21	4 16.2	20.5
334658 2002 XL_{53}	17.8	X	133.42885	269.38673	152.06579	2.80231	0.2282055	0.28436324	2.2902721	21	3 31.9	21.0
334659 2002 XG_{55}	17.6	X	172.45515	212.12040	179.59833	3.83643	0.2244359	0.28665701	2.2780382	21	3 29.2	21.1
334660 2002 XC_{59}	17.1	X	89.00753	110.44347	280.35566	19.60363	0.0802617	0.37705041	1.8975932	21	—	—
334661 2002 XB_{69}	16.1	X	57.18730	134.00283	340.93155	24.97246	0.2143821	0.27628220	2.3347163	21	2 17.5	17.8
334662 2002 XX_{78}	16.5	X	69.35918	155.80035	293.03130	7.23177	0.1573837	0.27555460	2.3388244	21	1 21.6	18.4
334663 2002 XR_{92}	17.8	X	178.90375	28.63359	334.41405	1.93348	0.2355794	0.28542411	2.2845936	21	2 27.3	21.4
334664 2002 XQ_{97}	17.0	X	142.64675	158.15454	244.53592	6.35662	0.0934730	0.28277449	2.2988426	21	2 24.6	20.2
334665 2002 XO_{103}	17.2	X	101.76018	172.10483	249.86987	7.72798	0.1880882	0.27878392	2.3207280	21	2 10.4	19.9
334666 2002 XY_{106}	15.9	X	167.91552	120.64345	280.56223	14.53034	0.2461012	0.18114382	3.0935255	21	4 7.9	21.5
334667 2002 XS_{110}	15.2	X	143.78576	142.01225	260.62677	12.05282	0.1605561	0.17768630	3.1335269	21	3 15.9	20.4
334668 2002 YE_{10}	16.0	X	156.11547	144.35276	285.33045	3.40594	0.2067013	0.17975192	3.1094747	21	5 5.8	21.3
334669 2002 YE_{17}	17.2	X	22.28739	195.17499	288.13088	3.90480	0.1788527	0.27348575	2.3506046	21	—	—
334670 2002 YL_{28}	16.9	X	94.69526	133.20068	293.61948	7.03367	0.1924077	0.27639155	2.3341005	21	2 9.1	19.2
334671 2002 YS_{32}	15.2	X	137.08991	145.72758	261.83810	15.98237	0.1414420	0.17761771	3.1343335	21	3 11.3	20.3
334672 2003 AV_2	17.0	X	319.18924	170.86327	294.30849	17.47064	0.0848094	0.36452995	1.9407990	21	—	—
334673 2003 AL_{18}	17.9	X	126.33749	246.62133	312.96431	15.72743	0.4167618	0.45080747	1.6845167	21	9 29.1	21.3
334674 2003 AO_{29}	15.8	X	186.04514	293.56107	132.19868	8.81373	0.2899876	0.18319612	3.0703782	21	5 28.3	21.4
334675 2003 AG_{57}	16.4	X	43.15994	115.22469	335.64423	6.74668	0.0800068	0.26931880	2.3747885	21	—	—
334676 2003 AR_{61}	16.9	X	34.72610	203.03582	246.98175	6.69193	0.1848517	0.26898998	2.3767235	21	—	—
334677 2003 AM_{64}	17.4	X	342.27988	161.80669	301.20031	18.29738	0.0916654	0.37090416	1.9184990	21	—	—
334678 2003 AJ_{76}	15.1	X	71.30738	196.53930	310.05142	16.40789	0.2125694	0.17492137	3.1664610	21	5 7.7	19.6
334679 2003 AP_{79}	18.0	X	115.76030	319.76269	137.90173	6.89611	0.1245619	0.28111655	2.3078723	21	4 17.8	20.9
334680 2003 BF_3	17.2	X	70.73479	161.56844	276.28637	6.04761	0.1754567	0.27232151	2.3572994	21	1 10.6	19.0
334681 2003 BO_6	15.6	X	91.45944	203.73061	263.33075	6.92898	0.1568340	0.17281724	3.1921111	21	4 9.1	20.1
334682 2003 BR_{12}	15.5	X	131.14646	150.62789	274.01212	13.88610	0.2724229	0.17478285	3.1681338	21	4 9.5	21.0
334683 2003 BX_{14}	17.3	X	54.50735	109.31791	347.75808	3.88405	0.1901808	0.27153412	2.3618544	21	1 6.6	18.9
334684 2003 BR_{28}	17.2	X	307.86657	357.14562	143.78129	24.09726	0.0674741	0.36606270	1.9353777	21	—	—
334685 2003 BV_{37}	17.6	X	63.19955	106.32799	310.61752	18.36492	0.1115773	0.37488960	1.9048778	21	—	—
334686 2003 BJ_{46}	17.1	X	240.34929	70.52973	149.16466	24.54130	0.0533517	0.36983210	1.9222048	21	—	—
334687 2003 BO_{46}	15.0	X	155.55993	234.32851	190.55202	27.04194	0.3814304	0.17841560	3.1249819	21	5 10.1	21.1
334688 2003 BT_{49}	17.6	X	270.24223	214.65794	312.67489	17.68457	0.0674381	0.36597699	1.9356798	21	—	—
334689 2003 BN_{50}	17.0	X	231.09545	176.15824	296.48169	3.97401	0.1310653	0.24615918	2.5214983	21	9 8.3	20.6
334690 2003 BG_{52}	17.6	X	324.93536	327.98340	325.62994	21.86383	0.0188170	0.39181293	1.8496244	21	5 7.4	20.0
334691 2003 BB_{59}	16.8	X	118.58633	122.51892	296.23653	6.55028	0.1403240	0.27651068	2.3334300	21	2 24.0	19.8
334692 2003 BY_{79}	16.7	X	95.24531	16.90823	338.39062	19.05671	0.1238909	0.36897578	1.9251776	21	—	—
334693 2003 BW_{86}	17.2	X	99.62077	158.48793	255.52867	0.77541	0.1762163	0.27254361	2.3560186	21	1 29.7	19.6
334694 2003 BY_{86}	17.7	X	169.60531	29.81175	151.95349	2.83251	0.0691578	0.24467842	2.5316613	21	10 6.8	21.2
334695 2003 CW_{15}	14.9	X	49.76420	252.68950	291.15519	21.93110	0.1392674	0.17240252	3.1972282	21	5 15.1	19.4
334696 2003 DW_1	16.9	X	210.15907	28.01845	116.70551	4.46002	0.0964322	0.24444896	2.5332453	21	10 4.1	20.5
334697 2003 DX_7	17.2	X	28.17392	236.01449	225.92154	1.80463	0.1555116	0.26578824	2.3957723	21	—	—
334698 2003 EZ_4	17.3	X	105.77861	16.95405	353.03020	21.41022	0.1203717	0.36949383	1.9233778	21	—	—
334699 2003 EY_{17}	16.1	X	239.52840	81.70144	133.81166	6.76982	0.1971911	0.20291429	2.8681000	21	—	—
334700 2003 ET_{31}	16.0	X	147.78923	322.64099	166.81947	15.78895	0.2123334	0.18071634	3.0984020	21	7 9.9	21.4
334701 2003 EX_{36}	16.4	X	59.24938	136.07359	93.79689	15.10347	0.2266328	0.23162875	2.6258772	21	8 23.5	19.9
334702 2003 EN_{39}	17.2	X	46.86339	36.18367	95.41638	11.32095	0.1804329	0.27217476	2.3581467	21	2 16.2	19.2
334703 2003 EN_{43}	15.5	X	97.57447	66.93432	183.71772	22.79875	0.4926237	0.18232110	3.0801941	21	11 10.9	21.6
334704 2003 FM_6	16.2	X	50.60760	105.30351	183.40642	28.57137	0.3245262	0.23278053	2.6172083	21	11 10.3	20.3
334705 2003 FS_{17}	17.5	X	159.51097	31.25919	193.83326	3.86254	0.0878377	0.29964787	2.2117121	21	11 27.4	20.5
334706 2003 FW_{30}	16.6	X	73.06588	200.69486	32.17391	7.19142	0.3298110	0.22909546	2.6451992	21	9 24.7	20.6
334707 2003 FH_{45}	16.7	X	266.64869	44.20861	195.64017	5.04922	0.1177776	0.26318149	2.4115660	21	—	—
334708 2003 FT_{61}	16.7	X	174.00715	50.27948	84.95998	5.87416	0.1518088	0.23612239	2.5924553	21	8 11.5	20.9
334709 2003 FS_{100}	17.5	X	130.59642	183.32688	59.96621	5.84488	0.1354358	0.29604861	2.2296021	21	11 19.0	20.8
334710 2003 FG_{132}	17.0	X	98.32893	141.61937	119.40874	5.94388	0.1669195	0.23920952	2.5701023	21	11 6.8	21.0
334711 2003 FQ_{132}	17.1	X	353.30353	113.51421	190.28143	9.03350	0.2350486	0.28177681	2.3042657	21	7 21.9	18.6
334712 2003 GW_6	17.0	X	42.69685	72.12185	176.27824	12.08018	0.2949468	0.22516601	2.6758853	21	8 28.6	20.0
334713 2003 GL_{34}	16.7	X	144.72348	77.52310	98.84258	6.19109	0.2021055	0.23570979	2.5954797	21	9 7.6	21.0
334714 2003 GM_{34}	16.7	X	348.84960	153.50205	94.85898	6.63202	0.2121179	0.27337286	2.3512517	21	4 8.4	18.7
334715 2003 GN_{41}	16.8	X	136.07256	86.78540	181.05074	14.78706	0.1122373	0.24471819	2.5313870	21	12 17.4	21.0
334716 2003 GC_{48}	17.3	X	317.54203	309.69318	164.93226	10.85644	0.2124504	0.25526517	2.4611703	21	—	—
334717 2003 GV_{49}	17.6	X	342.70573	135.68532	94.65537	3.40574	0.1938523	0.27034632	2.3687674	21	2 28.8	19.9
334718 2003 GY_{53}	17.2	X	35.87816	70.20274	179.98469	6.61263	0.0870507	0.28210244	2.3024921	21	7 18.6	19.6
334719 2003 GP_{56}	16.3	X	83.20861	86.87810	163.99940	9.54026	0.0687419	0.17975084	3.1094872	21	9 19.2	20.7
334720 2003 JQ_3	16.2	X	281.08434	18.65461	40.00024	9.82077	0.0185120	0.18081316	3.0972959	21	9 17.9	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334721 2003 JQ_{9}	16.7	X	344.43091	357.44817	203.44048	7.69630	0.1540780	0.21264709	2.7799037	21	2 5.7	20.1
334722 2003 JY_{13}	16.3	X	67.92336	156.33765	118.47165	6.45805	0.2729321	0.23040913	2.6351353	21	11 4.3	20.3
334723 2003 KZ_{3}	16.6	X	41.20151	247.58386	35.63172	11.42448	0.2555274	0.22741795	2.6581913	21	10 11.3	19.8
334724 2003 KG_{4}	15.9	X	324.42266	56.92977	250.15241	14.20645	0.2874942	0.21457471	2.7632299	21	5 8.4	18.9
334725 2003 KN_{5}	16.4	X	71.96704	119.31679	151.24010	13.71463	0.2582357	0.23161015	2.6260178	21	11 3.3	20.6
334726 2003 KT_{7}	16.7	X	31.08847	145.61136	129.01399	14.23560	0.1769731	0.22156730	2.7047820	21	8 29.5	19.7
334727 2003 KL_{17}	16.6	X	74.36885	147.06154	96.50032	5.49364	0.2149374	0.22852221	2.6496211	21	9 25.9	20.4
334728 2003 KR_{17}	16.8	X	298.25778	70.66285	204.99144	12.07671	0.1993753	0.26703195	2.3883276	21	2 22.9	20.4
334729 2003 MP_{6}	15.7	X	43.68613	87.79406	254.40001	10.87851	0.2884781	0.22848265	2.6499269	21	12 29.9	19.6
334730 2003 NN_{10}	16.3	X	316.65080	208.79672	158.49043	8.98227	0.1882193	0.21918161	2.7243735	21	8 7.7	19.2
334731 2003 OH_{7}	17.2	X	2.09731	137.50199	180.19088	5.13439	0.2689314	0.22099776	2.7094271	21	9 9.9	19.2
334732 2003 OZ_{11}	16.2	X	333.30233	135.08036	200.50031	16.31342	0.2348081	0.21814608	2.7329883	21	7 16.5	19.2
334733 2003 OY_{13}	16.3	X	316.48046	176.33769	196.44689	11.77493	0.2963503	0.21805980	2.7337092	21	7 26.1	19.2
334734 2003 OM_{15}	16.0	X	77.41671	77.41260	269.58721	11.83800	0.2001912	0.23458084	2.6038004	21	—	—
334735 2003 OM_{16}	16.3	X	344.75425	125.93820	247.55696	11.65260	0.1998393	0.22412098	2.6841969	21	10 16.6	18.9
334736 2003 OJ_{20}	16.2	X	335.02273	30.95648	333.88109	17.35144	0.4363608	0.21840001	2.7308695	21	8 18.3	16.9
334737 2003 OK_{20}	16.3	X	2.08593	66.03225	286.44132	11.47174	0.2884829	0.22421924	2.6834127	21	11 4.8	18.8
334738 2003 OA_{26}	16.9	X	319.40008	134.33646	253.29946	6.49017	0.2543915	0.22110214	2.7085743	21	9 1.4	19.6
334739 2003 OV_{30}	16.3	X	36.46310	335.80814	328.18645	13.31377	0.1593014	0.22275318	2.6951738	21	10 6.4	19.8
334740 2003 PT_{5}	16.4	X	339.55084	161.27990	223.81925	3.78829	0.3240121	0.22179858	2.7029015	21	10 29.6	17.7
334741 2003 PW_{6}	16.8	X	131.45937	167.73861	204.88170	4.47571	0.2002893	0.24505750	2.5290498	21	1 25.9	20.5
334742 2003 QU_{25}	16.4	X	336.47217	81.51501	268.61126	3.58853	0.1285125	0.21874012	2.7280380	21	8 26.4	19.3
334743 2003 QO_{32}	16.2	X	70.98713	224.17937	148.98426	9.41940	0.0772829	0.23647439	2.5898819	21	—	—
334744 2003 QO_{33}	15.6	X	301.39885	7.17259	333.35421	21.24464	0.1951445	0.21250586	2.7811352	21	5 31.4	19.7
334745 2003 QR_{39}	16.1	X	332.48114	44.78006	341.86557	9.39561	0.2532247	0.22067426	2.7120744	21	10 5.0	18.2
334746 2003 QF_{44}	16.0	X	292.93988	59.95889	350.93732	6.67922	0.2624827	0.21456005	2.7633558	21	8 18.2	19.2
334747 2003 QY_{46}	16.2	X	347.20964	176.51407	166.64747	14.73795	0.1002701	0.22034030	2.7148140	21	9 7.5	19.2
334748 2003 QV_{47}	15.9	X	326.71018	98.15509	271.57780	7.89318	0.1522759	0.21928676	2.7235025	21	9 1.1	19.0
334749 2003 QB_{50}	16.7	X	310.57209	215.00269	134.04414	8.98865	0.2345391	0.21411041	2.7672233	21	6 24.2	20.1
334750 2003 QB_{74}	16.1	X	293.63319	68.57814	306.97126	12.05587	0.1921915	0.21532883	2.7567747	21	7 12.5	19.6
334751 2003 QO_{88}	15.9	X	118.25142	5.58882	14.47858	17.30851	0.4305302	0.18580901	3.0415260	21	3 4.3	21.2
334752 2003 QV_{104}	16.0	X	358.84439	192.04089	159.38933	15.11763	0.2145113	0.21938748	2.7226689	21	10 24.0	18.8
334753 2003 RY	15.7	X	319.55371	11.30970	29.53064	14.47415	0.1819905	0.21918387	2.7243548	21	10 8.0	18.4
334754 2003 RH_{2}	16.6	X	343.56513	236.24050	96.27271	10.53181	0.2631752	0.21831214	2.7316022	21	8 13.4	18.7
334755 2003 RJ_{7}	16.0	X	311.47901	135.61072	231.54225	8.18084	0.1652040	0.21383836	2.7695698	21	7 29.9	19.3
334756 Leövey	16.7	X	314.58727	22.74044	297.84007	5.73154	0.1303375	0.21106797	2.7937518	21	6 6.9	20.1
334757 2003 RD_{9}	15.6	X	11.05175	105.20076	273.01790	11.34629	0.2805276	0.22386655	2.6862303	21	12 31.5	18.6
334758 2003 RP_{14}	16.4	X	333.93381	84.02326	274.94182	7.45859	0.0915698	0.21806944	2.7336286	21	9 2.9	19.8
334759 2003 RJ_{27}	17.3	X	356.49737	327.39243	322.14160	4.98945	0.2144634	0.26980038	2.3719617	21	7 7.9	18.7
334760 2003 ST_{12}	17.3	X	150.17561	357.37008	340.79483	6.09065	0.1977585	0.24296537	2.5435472	21	1 5.6	21.2
334761 2003 ST_{16}	16.7	X	284.71408	137.44536	253.49154	5.31784	0.0690107	0.21470613	2.7621023	21	8 5.9	20.3
334762 2003 SM_{48}	16.2	X	273.85894	125.67688	259.99215	6.35635	0.1178844	0.21124317	2.7922069	21	7 8.5	20.0
334763 2003 SQ_{50}	16.1	X	272.37265	85.07848	300.63714	5.88216	0.2063879	0.21168074	2.7883577	21	6 24.7	20.2
334764 2003 SA_{59}	16.0	X	302.03410	133.91136	253.05941	7.78852	0.2215040	0.21633968	2.7481805	21	8 1.9	19.4
334765 2003 SB_{64}	16.4	X	41.63774	11.90358	23.62252	14.97043	0.1844558	0.23149960	2.6268537	21	—	—
334766 2003 SC_{64}	16.2	X	293.02515	252.00706	134.20612	6.97694	0.0277102	0.21415096	2.7668739	21	8 19.9	19.8
334767 2003 SF_{71}	16.3	X	318.81088	116.86978	236.88062	8.04220	0.1328309	0.21480688	2.7612385	21	7 28.3	19.6
334768 2003 SR_{76}	15.9	X	268.01294	125.80661	275.27493	13.29904	0.2002861	0.21382711	2.7696669	21	7 9.4	19.9
334769 2003 ST_{79}	16.6	X	296.58540	45.69068	332.59101	8.10280	0.1647781	0.21342292	2.7731627	21	7 25.8	20.0
334770 2003 SF_{80}	15.9	X	286.36156	109.61146	265.74554	8.46238	0.1955058	0.21249908	2.7811944	21	6 29.7	19.6
334771 2003 SK_{82}	16.8	X	240.27846	343.44529	18.62165	9.16925	0.1754123	0.25905780	2.4370902	21	4 20.9	20.6
334772 2003 SQ_{89}	15.5	X	317.82862	343.91054	340.98464	20.40648	0.0967251	0.21051564	2.7986364	21	6 26.0	19.4
334773 2003 SR_{96}	15.6	X	357.24500	83.69534	267.57827	7.86194	0.2332202	0.22036454	2.7146149	21	10 13.4	18.1
334774 2003 SY_{102}	16.8	X	310.81900	116.62558	279.51431	7.35407	0.2625245	0.21689119	2.7435199	21	8 24.4	19.6
334775 2003 SY_{113}	16.4	X	300.79311	209.08764	178.12534	9.29331	0.1807926	0.21644538	2.7472858	21	8 7.8	19.7
334776 2003 SG_{128}	16.1	X	255.87587	89.84486	286.38342	7.82540	0.1481577	0.20689958	2.8311507	21	5 31.4	20.4
334777 2003 SR_{133}	16.4	X	7.37690	83.07195	222.05766	11.31718	0.1550735	0.21878514	2.7276638	21	8 17.9	19.5
334778 2003 SM_{134}	16.0	X	240.02318	89.43239	328.93976	16.21667	0.1376502	0.21140902	2.7907464	21	7 12.4	20.4
334779 2003 SD_{138}	15.8	X	52.62824	358.24571	30.67189	14.23543	0.3061417	0.17559548	3.1583517	21	—	—
334780 2003 ST_{138}	15.6	X	322.59909	5.81844	354.24193	12.60462	0.1572151	0.21401601	2.7680369	21	8 17.9	18.7
334781 2003 SD_{139}	16.0	X	139.86304	177.51849	355.54107	9.47812	0.0608065	0.21308794	2.7760682	21	8 21.5	20.1
334782 2003 SE_{147}	15.9	X	299.71164	137.69966	221.86825	12.47596	0.2086364	0.21056833	2.7981695	21	6 24.3	19.7
334783 2003 SG_{151}	15.8	X	345.43401	243.02798	66.91051	8.20935	0.1614320	0.21346931	2.7727609	21	7 16.3	18.7
334784 2003 SP_{153}	16.0	X	284.88603	30.46476	30.07234	11.55402	0.1743393	0.21671295	2.7450239	21	9 7.1	19.5
334785 2003 SY_{156}	16.4	X	300.81919	0.93214	19.05450	5.04163	0.1869515	0.21383193	2.7696253	21	7 31.5	19.7
334786 2003 SC_{161}	16.1	X	87.36662	37.30158	21.54500	14.90282	0.2676228	0.18447883	3.0561290	21	2 27.6	20.3
334787 2003 SX_{163}	17.8	X	133.35361	317.83569	78.71123	3.20634	0.1758362	0.30173204	2.2015156	21	2 17.9	20.4
334788 2003 SZ_{167}	16.3	X	312.29353	62.40031	332.36592	12.66004	0.2110866	0.21852318	2.7298433	21	9 4.9	19.0
334789 2003 SW_{169}	17.3	X	320.49382	351.81215	341.49634	2.04006	0.2328799	0.26816998	2.3815660	21	6 17.5	19.3
334790 2003 SS_{172}	16.0	X	1.48717	293.96005	4.44014	11.22552	0.1726001	0.21516511	2.7581729	21	8 6.3	18.9
334791 2003 SF_{174}	16.1	X	301.71599	230.79341	192.17608	13.16710	0.1339270	0.21918155	2.7243740	21	10 8.5	19.2
334792 2003 SG_{174}	16.8	X	315.08386	151.74375	200.19797	5.07050	0.0874303	0.21366177	2.7710956	21	7 26.5	20.2
334793 2003 SF_{175}	17.2	X	321.48016	119.32156	174.64688	9.61625	0.2303573	0.26464035	2.4026952	21	4 22.3	19.8
334794 2003 SJ_{177}	16.3	X	294.07529	321.50122	31.66879	6.81389	0.1273031	0.21025620	2.8009381	21	6 21.4	20.0
334795 2003 SK_{185}	16.0	X	139.34556	333.98053	308.24139	13.53086	0.0807122	0.23657703	2.5891329	21	—	—
334796 2003 SG_{188}	16.3	X	271.81947	138.34077	269.17449	7.29697	0.1557821	0.21198915	2.7856526	21	7 28.2	20.1
334797 2003 ST_{191}	16.4	X	268.58791	137.19155	267.55086	8.42639	0.1608454	0.21211078	2.7845876	21	7 19.9	20.3
334798 2003 SJ_{194}	16.6	X	307.64142	118.39642	235.02249	8.36185	0.1623991	0.21280113	2.7785620	21	7 5.9	20.0
334799 2003 SF_{199}	16.0	X	288.36892	48.44179	348.87413	8.57516	0.3106895	0.21221810	2.7836488	21	7 16.2	19.8
334800 2003 SJ_{205}	15.9	X	133.97927	304.79646	17.28779	8.02228	0.1555209	0.18170375	3.0871670	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334801 2003 SF_{210}	16.5	X	300.14740	41.87253	322.60181	2.94703	0.1142010	0.21296794	2.7771110	21	7 18.7	19.9
334802 2003 SG_{224}	15.9	X	201.34913	183.89028	241.78040	7.96507	0.0390383	0.20269477	2.8701705	21	6 12.2	20.1
334803 2003 SF_{250}	15.9	X	308.25704	353.15928	22.42483	9.66874	0.2768366	0.21313213	2.7756845	21	7 23.9	19.2
334804 2003 SB_{253}	16.4	X	297.99899	166.07524	202.75552	5.91930	0.0593916	0.21364746	2.7712193	21	7 27.4	20.0
334805 2003 SC_{283}	15.6	X	318.62516	95.22581	253.14697	14.38277	0.1698246	0.21588846	2.7520084	21	7 14.6	18.9
334806 2003 SR_{285}	16.3	X	341.52894	36.25125	256.27183	4.02937	0.1343877	0.21026409	2.8008680	21	6 13.6	19.5
334807 2003 SK_{293}	16.1	X	314.45531	72.07769	315.69975	5.50443	0.0469785	0.21795442	2.7345903	21	9 16.8	19.6
334808 2003 SK_{297}	16.1	X	65.97902	40.24563	277.60512	4.85540	0.0805149	0.22760227	2.6567559	21	11 27.9	19.8
334809 2003 SM_{297}	15.7	X	356.38108	71.34953	250.66227	7.96686	0.0991242	0.21713003	2.7415076	21	8 19.9	19.0
334810 2003 SS_{297}	16.6	X	227.39078	50.10473	313.54536	11.03232	0.3046826	0.20226584	2.8742267	21	4 5.3	22.1
334811 2003 ST_{297}	16.0	X	103.24507	91.33900	302.59550	15.15565	0.1868281	0.18594036	3.0400935	21	1 28.7	20.1
334812 2003 SK_{302}	16.1	X	265.78408	175.69602	222.88377	12.67517	0.1475785	0.21147081	2.7902028	21	7 9.0	20.3
334813 2003 SW_{307}	16.6	X	313.24260	131.88871	258.91792	3.78230	0.1415600	0.21767364	2.7369413	21	9 9.6	19.7
334814 2003 SS_{310}	16.0	X	110.48946	232.71065	105.61696	14.57338	0.1915667	0.23544422	2.5974310	21	—	—
334815 2003 SA_{312}	17.0	X	354.40058	54.67011	269.13624	5.59598	0.1570913	0.27344875	2.3508167	21	8 27.6	19.0
334816 2003 SZ_{319}	16.4	X	117.25341	291.00647	82.42949	11.12236	0.2367515	0.24129329	2.5552843	21	1 18.5	19.8
334817 2003 SL_{320}	16.4	X	288.11983	207.31288	188.66148	6.37343	0.0293427	0.21486670	2.7607260	21	8 23.7	20.2
334818 2003 SA_{323}	15.9	X	241.20273	189.53597	338.56661	10.00335	0.0635266	0.17493128	3.1663414	21	11 28.2	20.6
334819 2003 SR_{327}	16.6	X	237.57813	28.73378	35.32734	5.86538	0.1141063	0.20990204	2.8040878	21	7 17.3	20.8
334820 2003 SK_{328}	16.5	X	329.27426	120.53472	195.76811	27.10418	0.2974712	0.21138679	2.7909421	21	5 31.8	19.9
334821 2003 SZ_{328}	16.9	X	310.80348	197.54680	124.25979	3.22555	0.0956181	0.20836988	2.8178168	21	6 8.7	20.4
334822 2003 SP_{329}	16.2	X	314.38654	234.66618	113.90524	8.92585	0.2367425	0.21149218	2.7900148	21	6 29.7	19.3
334823 2003 SB_{331}	16.3	X	228.17317	68.24472	60.06369	10.12923	0.1083571	0.21655785	2.7463344	21	10 2.2	20.4
334824 2003 SN_{331}	16.0	X	102.84627	261.51196	97.49771	10.59833	0.2105267	0.17950292	3.1123496	21	—	—
334825 2003 SF_{336}	15.9	X	160.30569	236.53640	112.91969	10.98452	0.1157084	0.18613205	3.0380058	21	1 30.4	20.5
334826 2003 SN_{336}	16.9	X	331.35331	49.05875	74.71013	8.54306	0.1399338	0.23133237	2.6281195	21	—	—
334827 2003 SD_{342}	17.1	X	255.15537	160.45994	253.00218	2.26885	0.0904248	0.21269372	2.7794974	21	7 25.7	20.8
334828 2003 SF_{350}	16.3	X	10.12582	92.53381	0.97954	13.03910	0.0934522	0.23559463	2.5963254	21	—	—
334829 2003 SH_{393}	16.4	X	319.97794	190.20935	140.50280	6.18869	0.1199010	0.21039327	2.7997214	21	7 1.8	19.8
334830 2003 SY_{394}	17.2	X	323.55312	34.09060	122.97095	6.55314	0.0210385	0.23737226	2.5833469	21	—	—
334831 2003 SK_{398}	16.5	X	280.68080	33.50618	93.00283	9.95987	0.0853826	0.22432726	2.6825512	21	12 7.5	19.8
334832 2003 SO_{399}	16.2	X	22.40606	268.77557	137.32340	11.75774	0.0748737	0.17274154	3.1930437	21	—	—
334833 2003 SH_{411}	17.1	X	169.40674	313.72493	191.28663	4.59110	0.0115145	0.21455601	2.7633905	21	8 15.1	20.8
334834 2003 SQ_{428}	16.2	X	199.84922	305.86532	193.45051	8.55853	0.0735912	0.21650240	2.7468034	21	9 11.0	20.3
334835 2003 TN_{4}	16.3	X	6.94326	22.94372	265.69101	3.84344	0.1379598	0.21401021	2.7680869	21	7 26.4	19.1
334836 2003 TK_{13}	15.3	X	249.88699	172.00958	265.72547	25.71525	0.1564648	0.21073821	2.7966655	21	7 31.7	19.9
334837 2003 TT_{16}	16.6	X	308.42079	99.84202	243.68951	3.65302	0.1421267	0.21136802	2.7911073	21	6 27.6	19.9
334838 2003 TH_{23}	16.6	X	12.18443	69.21332	275.09153	6.31484	0.0919098	0.22043272	2.7140552	21	10 17.4	20.0
334839 2003 TX_{23}	16.8	X	293.58032	133.03300	236.08537	7.19217	0.1444997	0.21159864	2.7890789	21	7 8.8	20.4
334840 2003 TS_{25}	16.8	X	49.97401	28.45159	248.16674	3.75042	0.0415855	0.21568829	2.7537109	21	9 5.6	20.4
334841 2003 TL_{26}	16.4	X	307.14513	294.09837	89.00143	9.19857	0.2830622	0.21501042	2.7594957	21	7 30.1	19.4
334842 2003 TT_{52}	16.5	X	93.12526	316.57083	113.21318	3.12823	0.0688861	0.18780367	3.0199517	21	2 13.0	20.6
334843 2003 TG_{56}	16.6	X	277.46693	320.31883	88.59837	6.06481	0.1562315	0.21269631	2.7794748	21	8 10.1	20.3
334844 2003 UV_{3}	16.7	X	270.89999	205.44310	179.22760	3.62545	0.1076828	0.20913755	2.8109171	21	7 5.1	20.5
334845 2003 UF_{28}	16.5	X	302.60723	60.27128	342.68452	5.60914	0.0979280	0.21511014	2.7586428	21	9 15.4	19.7
334846 2003 UM_{30}	17.0	X	355.95457	336.45749	335.39843	6.54765	0.1322167	0.26969423	2.3725841	21	8 14.4	18.9
334847 2003 US_{31}	17.0	X	300.56612	191.36154	182.96517	1.81704	0.2006468	0.21272711	2.7792066	21	7 18.5	20.3
334848 2003 UN_{43}	16.9	X	291.34026	308.11053	75.22129	1.60452	0.0853873	0.21241290	2.7819466	21	8 5.1	20.3
334849 2003 US_{46}	16.8	X	297.49188	124.06774	200.33330	8.01312	0.0993251	0.20531965	2.8456558	21	5 24.2	20.7
334850 2003 US_{49}	15.8	X	260.13633	97.27194	325.90882	12.26166	0.1895962	0.20972165	2.8056956	21	8 2.1	19.9
334851 2003 UM_{50}	15.7	X	304.55864	358.32109	7.50819	10.27043	0.1838945	0.21032092	2.8003634	21	7 19.3	19.2
334852 2003 UD_{55}	16.1	X	273.42184	150.58679	267.62252	6.88652	0.2139028	0.21048630	2.7988965	21	8 4.3	20.0
334853 2003 UZ_{73}	16.1	X	347.18659	32.05503	275.11389	5.34576	0.0767688	0.21026785	2.8008346	21	7 17.5	19.4
334854 2003 UR_{76}	16.5	X	314.16274	128.09558	260.84287	7.53441	0.3179955	0.21606094	2.7505436	21	8 10.7	19.3
334855 2003 UN_{94}	16.6	X	94.24609	328.95692	0.98970	7.13400	0.1878560	0.23165632	2.6256688	21	—	—
334856 2003 UE_{99}	16.1	X	138.61834	277.74396	91.98284	9.31346	0.3097849	0.18579582	3.0416700	21	2 22.2	21.3
334857 2003 UB_{104}	15.5	X	7.13202	73.92508	342.15550	15.10084	0.2251462	0.17124687	3.2115964	21	—	—
334858 2003 UV_{105}	16.2	X	67.18226	67.36128	7.19847	22.32079	0.2108532	0.18204127	3.0833498	21	2 12.5	20.2
334859 2003 UF_{112}	16.2	X	328.32025	284.73537	68.10640	9.48095	0.1808174	0.21377503	2.7701167	21	8 15.9	19.2
334860 2003 UQ_{116}	15.9	X	42.30126	325.53706	63.52398	8.52208	0.1431145	0.17349022	3.1838509	21	—	—
334861 2003 UN_{121}	15.4	X	303.16779	95.54261	280.65513	15.86714	0.1650814	0.21411117	2.7672167	21	7 27.9	18.8
334862 2003 UE_{124}	16.0	X	294.28795	142.77711	267.07205	8.28939	0.2619853	0.21681846	2.7441333	21	8 13.7	19.5
334863 2003 UH_{131}	15.2	X	103.52705	96.78678	280.92221	8.66490	0.3079512	0.12555903	3.9497604	21	2 3.6	21.2
334864 2003 UN_{138}	16.3	X	228.55269	261.99689	195.40450	9.21545	0.1539073	0.20882608	2.8137115	21	8 11.2	20.8
334865 2003 UF_{142}	16.2	X	319.14949	116.48988	167.59463	15.16076	0.1360388	0.20334160	2.8640805	21	4 28.9	20.0
334866 2003 UE_{143}	16.4	X	332.38791	77.17314	270.40164	2.77638	0.2838413	0.21415128	2.7668711	21	7 30.3	18.5
334867 2003 UH_{150}	16.6	X	291.97327	297.51247	62.65412	4.73723	0.1118147	0.20873796	2.8145033	21	6 30.7	20.3
334868 2003 UJ_{151}	15.7	X	337.81118	312.27692	52.78249	14.84776	0.1934359	0.21531389	2.7569022	21	9 28.8	18.6
334869 2003 US_{153}	15.9	X	323.78246	272.27855	87.57843	10.79955	0.3161807	0.21317042	2.7753521	21	7 23.9	18.4
334870 2003 UE_{179}	16.5	X	265.42114	356.99205	59.95507	3.40784	0.2229170	0.21038782	2.7997698	21	7 25.7	20.5
334871 2003 UD_{194}	16.1	X	330.32259	351.22405	30.95877	14.75799	0.1297384	0.21802911	2.7339657	21	10 6.1	19.1
334872 2003 UT_{194}	16.8	X	326.94412	103.53323	253.48408	3.40129	0.0877469	0.21384152	2.7695425	21	8 21.7	20.2
334873 2003 UV_{201}	16.2	X	204.28584	151.12320	253.93838	12.18919	0.1061429	0.20020428	2.8939242	21	5 17.4	20.6
334874 2003 UJ_{212}	15.8	X	197.02514	178.73554	231.89910	11.96506	0.0978624	0.20001845	2.8957163	21	5 17.9	20.1
334875 2003 UJ_{226}	16.1	X	266.70020	334.16190	25.40349	11.55036	0.2086467	0.20474244	2.8510017	21	5 12.9	20.6
334876 2003 UQ_{229}	16.7	X	273.31816	160.11319	261.18929	3.93961	0.1575579	0.21169558	2.7882274	21	8 17.4	20.4
334877 2003 UV_{233}	16.7	X	297.77987	98.95822	281.21310	3.66392	0.1703560	0.21190142	2.7864214	21	7 27.1	20.0
334878 2003 UQ_{239}	16.1	X	184.70931	240.23803	252.34867	7.99047	0.0890143	0.21006801	2.8026106	21	8 13.7	20.6
334879 2003 UA_{260}	15.4	X	37.30152	276.23557	105.28384	16.60544	0.2428873	0.17209012	3.2010964	21	—	—
334880 2003 UA_{290}	16.1	X	100.16985	29.60642	41.32734	10.89947	0.1366691	0.18568477	3.0428826	21	3 10.1	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334881 2003 UE_{304}	17.3	X	156.46708	338.98572	3.12639	5.74851	0.1924620	0.24163846	2.5528502	21	1 16.8	21.2
334882 2003 UF_{309}	16.3	X	180.44406	326.76410	117.24208	2.99050	0.0861398	0.20079737	2.8882228	21	6 11.6	20.7
334883 2003 UN_{316}	16.8	X	228.62439	175.18299	244.34914	2.40143	0.1064683	0.20407240	2.8572388	21	6 30.8	21.1
334884 2003 UD_{318}	16.7	X	311.02101	326.14298	359.80275	5.80714	0.0565325	0.20935874	2.8089369	21	6 19.7	20.4
334885 2003 UL_{323}	16.8	X	280.22161	3.33593	31.62791	4.76024	0.0795348	0.21087298	2.7954738	21	8 7.3	20.5
334886 2003 UR_{323}	16.2	X	82.04259	59.58386	190.03928	3.80290	0.0503617	0.21441608	2.7645927	21	9 15.3	19.9
334887 2003 UE_{328}	16.7	X	316.12292	58.52000	293.45590	5.51566	0.0127114	0.21496473	2.7598867	21	8 5.9	20.3
334888 2003 UM_{348}	16.6	X	331.59420	222.81330	140.04183	3.36700	0.1712409	0.21670123	2.7451230	21	9 4.4	19.1
334889 2003 UQ_{348}	16.9	X	240.39267	258.00512	158.26866	4.99236	0.0555737	0.20975085	2.8054351	21	7 15.5	20.8
334890 2003 UM_{377}	17.0	X	288.22321	202.62238	189.50961	2.85145	0.0942354	0.21426747	2.7658708	21	8 9.9	20.6
334891 2003 VR_{1}	16.4	X	100.89086	78.26447	230.98716	8.43351	0.2829285	0.23011837	2.6373545	21	—	—
334892 2003 WH_{27}	16.1	X	74.71780	55.41151	21.81057	9.79031	0.0668787	0.18260525	3.0769979	21	2 1.8	20.3
334893 2003 WT_{31}	16.6	X	255.59530	142.44913	248.61655	9.01010	0.0995948	0.20577361	2.8414691	21	6 25.4	20.6
334894 2003 WO_{42}	16.1	X	120.99071	269.40658	76.85313	17.22129	0.2604880	0.23752044	2.5822724	21	—	—
334895 2003 WW_{45}	17.2	X	300.38494	70.72541	270.82819	19.34722	0.1136297	0.36979791	1.9223232	21	6 12.2	18.8
334896 2003 WS_{65}	15.9	X	218.41912	32.63155	66.90211	18.52549	0.1306664	0.20577748	2.8414334	21	8 14.5	20.6
334897 2003 WP_{66}	16.3	X	251.69092	30.59173	309.35646	3.19464	0.1370332	0.19827137	2.9127019	21	4 12.1	20.8
334898 2003 WC_{72}	15.9	X	202.17306	160.24968	274.69439	5.86783	0.2205083	0.20051217	2.8909609	21	6 18.7	20.8
334899 2003 WB_{78}	16.7	X	235.80684	62.34509	351.99134	3.40819	0.2656834	0.20444925	2.8537266	21	6 18.3	21.5
334900 2003 WY_{89}	15.7	X	320.05041	71.84793	235.31946	13.22688	0.1613532	0.20411412	2.8568494	21	5 24.3	19.2
334901 2003 WG_{95}	16.1	X	229.30750	171.80031	238.01909	12.58705	0.1461099	0.20240682	2.8728920	21	6 15.6	20.6
334902 2003 WU_{131}	16.0	X	86.61999	36.62917	263.81566	7.73288	0.1092608	0.22409330	2.6844179	21	12 3.1	19.8
334903 2003 WO_{143}	16.5	X	229.84204	254.92290	112.56021	10.60406	0.1796010	0.25410823	2.4686351	21	4 24.3	20.6
334904 2003 WL_{167}	16.6	X	282.34921	249.77848	157.04491	9.57364	0.2296560	0.21140817	2.7907539	21	7 30.5	20.4
334905 2003 WT_{174}	15.7	X	40.35897	48.75777	32.72263	10.44596	0.1766265	0.17989771	3.1077944	21	—	—
334906 2003 WP_{186}	16.6	X	189.10259	123.86201	268.10122	5.85021	0.0903465	0.19791466	2.9162007	21	4 14.1	21.2
334907 2003 XL_{5}	16.1	X	280.02567	81.45768	330.61485	8.11462	0.2301391	0.21102564	2.7941254	21	8 5.7	19.7
334908 2003 XC_{7}	16.0	X	337.30339	225.65094	302.55995	24.13006	0.2517302	0.28344635	2.2952085	21	—	—
334909 2003 XT_{43}	17.5	X	127.70299	44.47509	256.61006	5.82676	0.1285814	0.28194567	2.3033456	21	—	—
334910 2003 YJ_{3}	15.2	X	135.13771	134.13317	336.32833	15.67661	0.1311447	0.19073791	2.9888999	21	5 27.7	20.1
334911 2003 YK_{8}	17.4	X	14.62647	19.22707	254.39208	19.07578	0.0536935	0.36968037	1.9227307	21	7 11.8	19.2
334912 2003 YK_{11}	17.2	X	253.18439	39.71099	336.90819	5.93703	0.1148679	0.31086701	2.1581732	21	5 27.4	20.0
334913 2003 YW_{11}	15.4	X	59.58787	9.79155	71.81997	23.82488	0.1290110	0.17625453	3.1504737	21	1 23.2	19.6
334914 2003 YS_{12}	15.0	X	48.03557	162.85878	295.87677	26.94180	0.1549472	0.17526261	3.1623495	21	1 23.5	18.8
334915 2003 YW_{32}	16.0	X	281.45936	190.98084	208.56871	8.74333	0.1521025	0.20872796	2.8145932	21	7 29.9	19.9
334916 2003 YK_{39}	18.0	X	124.32160	178.07293	320.30772	3.73652	0.0851257	0.30487011	2.1863826	21	6 16.3	20.6
334917 2003 YY_{43}	15.7	X	138.72228	111.56769	303.90244	7.27417	0.0632029	0.18251482	3.0780143	21	3 18.3	20.2
334918 2003 YU_{88}	16.2	X	189.35005	359.70422	61.56703	4.38109	0.1769916	0.19322236	2.9632239	21	5 23.2	21.2
334919 2003 YD_{92}	16.2	X	191.81415	89.56358	326.31665	8.10830	0.1266574	0.19604628	2.9346996	21	5 16.5	21.0
334920 2003 YU_{114}	16.5	X	186.14149	165.70142	304.12727	5.57718	0.1775846	0.19771416	2.9181718	21	7 19.1	21.3
334921 2003 YY_{115}	16.2	X	159.94814	261.72384	104.04498	16.90305	0.2660313	0.23889344	2.5723688	21	2 26.9	20.8
334922 2003 YA_{124}	15.8	X	4.36079	38.62414	55.13335	19.97390	0.2135995	0.17269919	3.1935656	21	—	—
334923 2003 YY_{132}	15.5	X	148.57620	99.02926	323.97462	10.10103	0.0843689	0.18561445	3.0436510	21	4 7.8	20.2
334924 2003 YQ_{134}	16.5	X	116.63400	65.68107	73.90539	13.15789	0.0751658	0.24696533	2.5160082	21	6 8.1	19.8
334925 2003 YP_{145}	16.5	X	98.69601	80.53281	61.73984	11.37449	0.1038960	0.24373461	2.5381926	21	5 23.7	19.8
334926 2004 AO_{3}	15.5	X	6.61734	232.49728	323.58731	11.39620	0.1531595	0.18040592	3.1019552	21	3 14.8	19.2
334927 2004 AR_{22}	16.2	X	226.18005	90.44786	296.83649	14.39074	0.1144115	0.19269940	2.9685826	21	5 15.2	21.1
334928 2004 AZ_{23}	15.5	X	343.54494	217.05360	310.69573	7.79517	0.0539458	0.17398898	3.1777634	21	1 18.1	19.7
334929 2004 BP_{4}	15.5	X	346.16456	86.33510	132.25952	10.83292	0.0496268	0.18004154	3.1061391	21	3 27.6	19.8
334930 2004 BD_{9}	15.7	X	100.53477	164.23427	342.22685	13.37814	0.1665312	0.18762294	3.0218907	21	6 10.9	20.4
334931 2004 BY_{30}	15.7	X	111.19431	141.71113	334.83819	8.45841	0.1333503	0.18451158	3.0557675	21	5 10.1	20.3
334932 2004 BD_{33}	17.2	X	296.54774	295.80926	326.40273	3.68200	0.0848796	0.29298277	2.2451291	21	2 18.1	19.8
334933 2004 BB_{34}	15.8	X	241.20151	63.91979	309.15543	14.22918	0.0914675	0.19141349	2.9818630	21	5 14.7	20.6
334934 2004 BB_{39}	15.5	X	223.24384	83.79521	297.23295	10.38446	0.0238085	0.19111456	2.9849715	21	5 10.7	19.9
334935 2004 BG_{50}	15.3	X	359.34423	40.38219	121.52091	23.00247	0.0332028	0.17470295	3.1690996	21	2 2.1	19.6
334936 2004 BX_{54}	16.8	X	56.36495	318.13662	140.38613	12.23417	0.1461056	0.23124170	2.6288064	21	1 23.4	19.6
334937 2004 BE_{55}	17.1	X	263.92659	66.87254	134.75561	7.88820	0.0806850	0.27745295	2.3281439	21	—	—
334938 2004 BL_{75}	15.4	X	119.92780	121.10627	294.33709	11.40889	0.1599483	0.17933407	3.1143029	21	3 7.3	20.2
334939 2004 BU_{89}	15.1	X	127.05647	312.40834	155.30226	21.38644	0.1972533	0.18560351	3.0437706	21	5 30.2	20.3
334940 2004 BC_{98}	17.2	X	249.39468	304.23720	339.03649	6.73011	0.1118091	0.28289810	2.2981729	21	1 23.4	20.6
334941 2004 BF_{105}	16.1	X	164.11536	312.87518	138.21946	9.78117	0.1666905	0.19080960	2.9881512	21	6 7.8	21.1
334942 2004 BG_{109}	15.1	X	40.95027	165.83292	351.25258	17.33678	0.1883010	0.17769834	3.1333853	21	3 28.8	18.6
334943 2004 BX_{111}	15.2	X	108.32490	158.00712	313.16823	16.92341	0.1753389	0.18212457	3.0824096	21	5 1.9	20.1
334944 2004 BU_{114}	15.8	X	102.16942	174.75512	300.42230	7.80008	0.2426653	0.18213926	3.0822439	21	5 13.3	20.6
334945 2004 BK_{156}	17.4	X	246.79071	30.48779	316.10666	5.51315	0.2008484	0.30159292	2.2021925	21	3 31.6	20.9
334946 2004 CC_{10}	17.3	X	136.10323	120.94835	334.04732	6.02447	0.1537260	0.29983328	2.2108002	21	5 5.9	20.5
334947 2004 CB_{27}	16.6	X	101.92647	5.07614	338.43332	6.60678	0.3403658	0.27888893	2.3201454	21	—	—
334948 2004 CD_{36}	15.7	X	67.51401	51.84969	109.96940	11.91254	0.1217368	0.18186483	3.0853438	21	5 17.3	19.9
334949 2004 CS_{43}	15.8	X	128.29278	89.23650	337.65696	10.39625	0.1557793	0.17896499	3.1185831	21	3 31.2	20.6
334950 2004 CJ_{53}	15.5	X	127.98908	152.63658	282.58766	8.31597	0.1313544	0.18176259	3.0865007	21	4 6.5	20.2
334951 2004 CK_{71}	17.6	X	288.78261	80.81824	124.61408	3.56671	0.1927345	0.27909403	2.3190085	21	—	—
334952 2004 CY_{75}	16.0	X	32.54786	12.07577	145.56383	13.83990	0.1387020	0.17718695	3.1394114	21	3 18.2	19.7
334953 2004 CB_{90}	15.4	X	157.47091	257.61216	160.23574	10.78222	0.1143130	0.18325701	3.0696980	21	4 21.2	20.2
334954 2004 CB_{104}	15.4	X	340.62892	271.19861	270.95978	14.76151	0.1081407	0.17126637	3.2113526	21	1 22.1	19.8
334955 2004 CY_{104}	18.2	X	141.18211	25.22103	166.77696	7.36471	0.2097190	0.36585023	1.9361269	21	10 2.1	21.1
334956 2004 CY_{107}	17.0	X	267.81404	290.75572	330.76456	12.06056	0.1018311	0.28442254	2.2899537	21	1 16.6	20.3
334957 2004 CY_{109}	16.9	X	305.58740	51.47316	150.15740	23.07452	0.1545610	0.27954951	2.3164889	21	—	—
334958 2004 CW_{111}	16.2	X	215.01025	61.17849	121.80866	12.49981	0.0621900	0.21056371	2.7982104	21	11 27.3	20.4
334959 2004 CN_{116}	15.3	X	21.50183	210.86004	313.20621	15.29164	0.1478288	0.17814144	3.1281873	21	2 27.1	19.0
334960 2004 CD_{120}	15.5	X	323.06635	249.34779	336.92023	9.22797	0.0426369	0.17710832	3.1403405	21	3 3.3	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
334961 2004 CP_{130}	15.4	X	74.26606	134.22786	338.15068	15.74689	0.0572877	0.17491618	3.1665236	21	3 10.4	19.7
334962 2004 DT_{2}	17.6	X	312.12129	131.22511	61.80955	2.70680	0.1805610	0.28128279	2.3069629	21	—	—
334963 2004 DU_{16}	17.3	X	120.17824	243.86047	222.22192	6.35260	0.0586479	0.29672042	2.2262354	21	4 20.0	19.8
334964 2004 DS_{43}	17.7	X	307.88198	62.99261	133.17772	4.37646	0.1869873	0.27917428	2.3185641	21	—	—
334965 2004 DY_{49}	16.3	X	43.47239	58.59608	147.65865	8.44891	0.2261722	0.18239296	3.0793851	21	6 19.6	19.9
334966 2004 DK_{51}	17.2	X	287.35668	223.64824	2.96108	6.33590	0.0627848	0.28092448	2.3089241	21	—	—
334967 2004 DE_{59}	17.6	X	296.83231	157.24848	50.72704	3.05521	0.1625986	0.27895068	2.3198029	21	—	—
334968 2004 DY_{64}	17.2	X	349.57376	37.33958	172.68325	3.88732	0.0894133	0.28889309	2.2662681	21	2 20.7	19.6
334969 2004 DY_{78}	15.3	X	118.24652	240.77783	160.75018	27.32624	0.2706735	0.17562801	3.1579617	21	3 8.4	20.1
334970 2004 EO_{5}	15.7	X	91.31787	319.01335	156.67903	9.13721	0.0676898	0.17702039	3.1413803	21	4 11.9	20.1
334971 2004 ED_{8}	17.4	X	233.87323	245.27390	328.36149	4.55043	0.1739231	0.26871598	2.3783388	21	—	—
334972 2004 EZ_{19}	17.1	X	339.97404	88.21147	96.33334	5.43030	0.1258671	0.28165689	2.3049197	21	—	—
334973 2004 EM_{30}	15.9	X	138.96445	95.45803	322.10197	4.97643	0.1444379	0.17672379	3.1448942	21	3 31.4	20.8
334974 2004 EB_{34}	16.9	X	351.37164	166.74066	348.28982	6.42656	0.0716420	0.28078492	2.3096891	21	—	—
334975 2004 EL_{40}	17.8	X	227.49387	48.61578	174.44587	2.76856	0.2060093	0.26883899	2.3776132	21	—	—
334976 2004 EO_{50}	18.4	X	250.66946	86.18277	165.69488	21.71280	0.0848710	0.39272448	1.8467612	21	—	—
334977 2004 ED_{52}	18.1	X	120.51217	27.79143	70.64968	3.11146	0.1185672	0.29363422	2.2418073	21	4 20.9	20.8
334978 2004 EE_{80}	15.3	X	71.73138	339.58390	148.52056	18.18880	0.2272477	0.17822876	3.1271655	21	4 28.0	19.7
334979 2004 EJ_{85}	16.7	X	212.39203	229.06376	35.30516	7.60228	0.1116427	0.27314890	2.3525367	21	—	—
334980 2004 FV_{8}	15.8	X	138.42047	141.28041	34.57700	9.89341	0.1467726	0.19066671	2.9896439	21	8 29.6	20.7
334981 2004 FL_{14}	16.1	X	280.61881	295.03721	15.61387	24.94345	0.2238596	0.28643696	2.2792048	21	3 25.2	19.5
334982 2004 FM_{14}	17.0	X	303.33888	181.64236	9.89818	5.04543	0.2030282	0.27569555	2.3380271	21	—	—
334983 2004 FD_{29}	16.7	X	256.65568	152.98596	50.15613	6.96896	0.0903360	0.27060694	2.3672462	21	—	—
334984 2004 FF_{34}	17.3	X	82.94117	295.27417	166.10116	9.42503	0.1380664	0.28805811	2.2706454	21	3 1.5	19.4
334985 2004 FP_{49}	17.5	X	62.92877	237.38033	264.60134	1.33140	0.1541177	0.29024754	2.2592122	21	3 28.1	19.2
334986 2004 FB_{50}	17.5	X	263.70835	259.35589	316.95184	1.30315	0.1657786	0.27307054	2.3529867	21	—	—
334987 2004 FR_{55}	17.7	X	95.68989	126.94298	103.82042	4.31041	0.0866943	0.30605208	2.1807497	21	9 24.3	20.4
334988 2004 FX_{67}	17.2	X	184.51564	129.64750	108.89714	4.50108	0.2528037	0.26131396	2.4230422	21	12 21.7	21.3
334989 2004 FT_{89}	17.6	X	329.80650	50.03071	128.70679	5.66546	0.1375659	0.27964215	2.3159773	21	—	—
334990 2004 FN_{92}	17.8	X	23.25301	173.30773	356.34227	2.83041	0.1675630	0.28689858	2.2767593	21	2 15.2	19.3
334991 2004 FW_{96}	15.7	X	63.57222	75.54117	141.63997	14.14867	0.1051252	0.18547934	3.0451290	21	7 16.6	19.8
334992 2004 FY_{111}	16.8	X	5.44919	285.47479	238.37952	8.66633	0.1324880	0.28265485	2.2994912	21	1 5.5	19.3
334993 2004 FR_{134}	15.5	X	106.22619	258.29508	191.41853	11.10006	0.1038161	0.17464697	3.1697768	21	3 31.9	20.0
334994 2004 FA_{135}	15.6	X	77.30411	115.06670	351.74011	14.39560	0.0401514	0.17326346	3.1866281	21	3 8.8	19.8
334995 2004 FR_{135}	15.7	X	111.83150	277.38982	188.09682	16.08913	0.0870259	0.17733234	3.1376952	21	4 26.5	20.3
334996 2004 FD_{141}	17.2	X	231.64866	214.83956	359.64367	6.28100	0.1546769	0.26724147	2.3870791	21	—	—
334997 2004 GA_{8}	17.2	X	6.18201	319.90260	199.24727	4.90674	0.0987451	0.28128836	2.3069325	21	1 5.8	19.8
334998 2004 GB_{8}	17.8	X	274.66714	232.14188	334.98359	2.12952	0.1366023	0.27296525	2.3535918	21	—	—
334999 2004 GP_{15}	17.0	X	172.82572	82.62693	190.61430	22.83255	0.1585759	0.37672820	1.8986750	21	—	—
335000 2004 GW_{38}	17.0	X	180.80353	243.82198	31.13862	5.04515	0.2158597	0.26474143	2.4020835	21	—	—
335001 2004 GF_{52}	17.0	X	180.15559	143.12601	193.13783	6.49201	0.1278353	0.27689187	2.3312879	21	1 18.5	20.4
335002 2004 GY_{55}	15.8	X	117.06725	139.60762	330.37933	2.71851	0.1471799	0.17816847	3.1278709	21	5 12.7	20.5
335003 2004 GG_{56}	17.9	X	319.99738	323.46058	238.86356	2.04908	0.1098732	0.27951509	2.3166791	21	—	—
335004 2004 GL_{64}	17.3	X	236.17395	226.11533	4.08290	6.03662	0.0591651	0.27052176	2.3677431	21	—	—
335005 2004 HJ_{4}	17.2	X	306.40165	110.39528	59.73576	4.88908	0.1643170	0.27393360	2.3480419	21	—	—
335006 2004 HK_{8}	16.9	X	170.92881	228.48735	57.91803	8.11680	0.2064652	0.26499936	2.4005246	21	—	—
335007 2004 HR_{20}	17.2	X	144.15073	257.30723	41.57624	5.84992	0.2162459	0.26278641	2.4139825	21	—	—
335008 2004 HV_{33}	16.8	X	248.62966	54.79502	127.70955	5.20938	0.1339512	0.26426107	2.4049936	21	—	—
335009 2004 HO_{35}	17.5	X	219.30256	252.09587	9.38686	2.12914	0.1796259	0.26908600	2.3761580	21	—	—
335010 2004 HN_{37}	16.1	X	152.42435	212.42967	82.93082	12.79935	0.2758806	0.26221151	2.4175096	21	—	—
335011 2004 HB_{51}	16.6	X	334.56633	254.69896	289.35338	12.29892	0.0845471	0.27930874	2.3178199	21	—	—
335012 2004 HX_{52}	16.8	X	191.96927	266.12936	312.66087	5.34540	0.1622231	0.26073828	2.4266074	21	12 10.9	20.6
335013 2004 HW_{76}	18.0	X	146.67446	263.22412	53.79942	2.11101	0.1890071	0.26668567	2.3903946	21	—	—
335014 2004 JJ	17.4	X	248.86356	357.81440	233.48111	6.08885	0.0880045	0.26883502	2.3776367	21	—	—
335015 2004 JK_{31}	16.9	X	143.81025	91.60127	205.04135	6.12344	0.2141448	0.25861788	2.4398531	21	—	—
335016 2004 KJ_{6}	16.4	X	114.76617	263.62795	72.52601	7.80268	0.3293636	0.25756629	2.4464895	21	—	—
335017 2004 LA_{8}	16.5	X	61.74090	199.86807	108.92047	13.29509	0.2773488	0.24298582	2.5434045	21	12 10.8	20.5
335018 2004 NF_{12}	16.9	X	123.71736	208.16278	100.80583	9.66859	0.2561490	0.25294463	2.4762001	21	—	—
335019 2004 NC_{16}	17.1	X	272.75535	279.45147	294.09997	17.56201	0.0996239	0.38005124	1.8875912	21	—	—
335020 2004 NN_{19}	17.0	X	189.94556	337.41136	282.28216	17.73974	0.0561733	0.37378442	1.9086308	21	—	—
335021 2004 OP_{3}	16.5	X	40.27786	38.02454	290.53023	5.67915	0.1076385	0.24228572	2.5483017	21	11 14.4	19.7
335022 2004 OV_{10}	17.1	X	342.34249	139.83112	308.85342	19.57441	0.0781453	0.36887781	1.9255185	21	—	—
335023 2004 PM_{1}	16.9	X	239.86280	209.06529	321.51785	17.85138	0.0647991	0.36623561	1.9347685	21	—	—
335024 2004 PD_{20}	17.9	X	100.41744	312.80209	16.05028	7.80509	0.3041616	0.36547008	1.9374693	21	—	—
335025 2004 PA_{22}	17.1	X	200.94624	20.59557	305.10597	6.08701	0.1839147	0.26705767	2.3881742	21	1 31.0	20.9
335026 2004 PY_{53}	17.3	X	80.00514	339.73623	339.32849	8.16435	0.2451103	0.24638885	2.5199312	21	—	—
335027 2004 PM_{61}	17.2	X	244.94427	34.82214	156.62337	23.57246	0.0285229	0.36691685	1.9323729	21	—	—
335028 2004 PU_{92}	17.2	X	87.90347	323.02447	333.25802	9.40904	0.2144433	0.24240341	2.5474767	21	12 11.2	21.5
335029 2004 QU	17.4	X	79.10640	33.35751	329.14218	20.16898	0.1076940	0.36407118	1.9424291	21	—	—
335030 2004 QN_{10}	17.0	X	44.27984	305.35860	68.71644	6.83334	0.2817142	0.24405496	2.5359710	21	—	—
335031 2004 QJ_{17}	16.8	X	28.12121	162.12018	230.80518	20.31760	0.0923732	0.36254522	1.9478758	21	—	—
335032 2004 QZ_{25}	17.3	X	151.71609	58.40149	185.57978	22.17086	0.0595875	0.36048735	1.9552818	21	12 25.9	20.2
335033 2004 QA_{29}	16.8	X	61.59948	282.66772	60.54672	8.09289	0.2174943	0.24505090	2.5290952	21	—	—
335034 2004 RX_{1}	17.4	X	35.63659	145.57681	234.43065	21.16761	0.0969994	0.36209602	1.9494864	21	—	—
335035 2004 RA_{2}	17.4	X	60.39437	100.49963	300.05286	17.86846	0.1123155	0.36646482	1.9339616	21	—	—
335036 2004 RJ_{2}	17.2	X	337.66060	124.83211	280.70118	17.67384	0.0897621	0.35487452	1.9758448	21	12 23.5	18.6
335037 2004 RP_{11}	17.4	X	65.14990	4.65575	306.93697	3.55087	0.2504059	0.24237314	2.5476889	21	12 12.7	21.2
335038 2004 RK_{24}	17.6	X	177.07821	104.18521	162.89584	21.89476	0.0983705	0.36856649	1.9266026	21	—	—
335039 2004 RZ_{27}	17.6	X	68.53674	324.42867	336.89171	7.69146	0.1946872	0.24123821	2.5556732	21	11 25.5	21.5
335040 2004 RL_{34}	17.3	X	35.47979	304.67346	88.56105	2.07726	0.1886478	0.24540852	2.5266376	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335041 2004 RG_{57}	16.5	X	11.41137	21.10393	329.44526	11.33540	0.0897874	0.23671109	2.5881552	21	10 24.4	19.8
335042 2004 RB_{62}	17.0	X	40.74365	220.83756	173.18382	2.88379	0.1384518	0.24639130	2.5199145	21	—	—
335043 2004 RC_{79}	17.3	X	84.12928	302.26046	17.02345	3.95195	0.2904027	0.24401973	2.5362151	21	—	—
335044 2004 RE_{93}	17.0	X	15.60789	151.44066	250.21086	5.05701	0.2592306	0.24282480	2.5445287	21	—	—
335045 2004 RW_{96}	16.1	X	95.55253	317.60775	316.52561	12.70800	0.1551335	0.24000512	2.5644193	21	11 12.8	20.3
335046 2004 RH_{98}	17.2	X	98.58533	110.82419	184.86877	13.03566	0.2914100	0.24606190	2.5221629	21	12 24.5	21.9
335047 2004 RS_{100}	16.1	X	295.85800	136.11660	335.99090	14.56045	0.0415521	0.24311640	2.5424936	21	12 18.8	19.6
335048 2004 RW_{103}	16.2	X	30.12198	354.01959	337.63050	14.63775	0.1163190	0.23602969	2.5931340	21	10 29.4	19.7
335049 2004 RZ_{107}	17.7	X	101.04869	112.95920	187.26533	5.81023	0.2382101	0.24542163	2.5265476	21	12 28.9	22.1
335050 2004 RY_{108}	16.0	X	258.15427	181.19427	332.83891	11.43653	0.1472025	0.24475562	2.5311289	21	12 3.9	19.3
335051 2004 RD_{109}	17.0	X	19.28327	347.84937	60.82194	3.20456	0.1982591	0.24535439	2.5270092	21	—	—
335052 2004 RA_{110}	16.0	X	7.00233	74.27290	305.02197	27.31738	0.4080867	0.23310021	2.6148148	21	—	—
335053 2004 RJ_{110}	17.0	X	322.83260	258.17176	206.44682	20.69381	0.0977639	0.36279492	1.9469819	21	—	—
335054 2004 RJ_{136}	17.1	X	48.49559	88.91085	267.99900	9.34562	0.2083546	0.24286181	2.5442702	21	—	—
335055 2004 RD_{143}	16.9	X	13.21268	60.80986	314.68498	11.10758	0.1708144	0.23885170	2.5726685	21	12 18.4	20.0
335056 2004 RR_{150}	17.0	X	45.36650	145.15905	250.10441	3.66670	0.1387434	0.24766725	2.5112522	21	—	—
335057 2004 RR_{156}	16.9	X	67.83371	21.68890	295.05974	3.60267	0.1398929	0.24108729	2.5567397	21	12 9.0	20.6
335058 2004 RK_{168}	16.4	X	26.46417	101.91875	262.69969	8.62005	0.1596609	0.24195589	2.5506170	21	12 22.1	19.3
335059 2004 RK_{169}	17.2	X	351.78103	352.81878	27.17881	3.61298	0.1821204	0.23637628	2.5905986	21	11 15.8	19.5
335060 2004 RX_{185}	16.8	X	13.62251	208.27993	210.77032	7.23553	0.1587216	0.24419148	2.5350257	21	—	—
335061 2004 RZ_{191}	16.6	X	26.74949	186.91449	188.73469	16.96033	0.1413508	0.24061423	2.5600897	21	—	—
335062 2004 RZ_{200}	16.4	X	23.95028	134.95995	235.78107	11.30254	0.3384744	0.23672976	2.5880191	21	—	—
335063 2004 RV_{217}	16.9	X	51.37860	177.38258	204.81223	21.35079	0.0800145	0.36259412	1.9477007	21	—	—
335064 2004 RC_{220}	17.0	X	52.69364	42.81626	315.42593	13.45554	0.2965019	0.24183352	2.5514774	21	—	—
335065 2004 RF_{221}	16.2	X	325.47054	147.95271	254.10730	12.31198	0.2482290	0.23037681	2.6353818	21	10 12.3	18.6
335066 2004 RD_{223}	16.1	X	71.59618	255.68436	74.95088	14.91397	0.1332045	0.24310147	2.5425978	21	12 29.7	19.9
335067 2004 RH_{224}	16.5	X	337.82835	234.54282	194.57648	14.61913	0.1487946	0.23883064	2.5728197	21	12 26.6	19.5
335068 2004 RP_{253}	17.1	X	18.89343	308.23092	76.97263	4.91537	0.2264069	0.24127870	2.5553873	21	—	—
335069 2004 RD_{276}	16.6	X	321.44683	239.01901	171.27836	4.17126	0.0710069	0.23879548	2.5730722	21	11 2.5	19.5
335070 2004 RE_{289}	17.5	X	59.38501	106.58815	296.70249	17.67581	0.1093915	0.36797414	1.9286697	21	—	—
335071 2004 RB_{290}	16.3	X	343.65497	11.16826	23.67435	5.49074	0.3917698	0.23013189	2.6372513	21	12 16.2	17.5
335072 2004 RS_{290}	16.8	X	339.53108	212.57856	181.93248	3.86569	0.1702512	0.23713651	2.5850588	21	11 12.7	19.1
335073 2004 RT_{293}	16.1	X	101.97594	29.47724	261.89667	12.55971	0.1882239	0.24345113	2.5401626	21	12 16.5	20.1
335074 2004 RT_{316}	17.4	X	63.56681	49.74738	316.60828	2.83857	0.1786707	0.24597403	2.5227636	21	—	—
335075 2004 RD_{323}	16.2	X	78.45140	75.90907	221.74258	13.59686	0.2100963	0.23961338	2.5672136	21	12 4.3	20.2
335076 2004 RV_{323}	16.0	X	57.95162	339.15747	335.45642	11.58642	0.1878959	0.23735831	2.5834482	21	11 28.5	19.9
335077 2004 RF_{325}	16.7	X	27.13163	37.25973	352.10377	7.95052	0.2418823	0.23982474	2.5657050	21	—	—
335078 2004 RD_{337}	18.7	X	46.45408	160.61255	214.31229	1.65938	0.2447976	0.24257057	2.5463063	21	—	—
335079 2004 RU_{343}	17.1	X	70.38971	22.55065	290.14914	8.05962	0.1376828	0.24129993	2.5552373	21	12 6.4	20.8
335080 2004 SN	17.1	X	33.75865	255.13880	77.92485	5.23701	0.2647409	0.23703231	2.5858164	21	12 6.3	20.3
335081 2004 SW_{9}	17.2	X	102.52476	37.76411	337.94865	19.87837	0.0733162	0.37501011	1.9044697	21	—	—
335082 2004 SZ_{15}	17.0	X	57.36915	257.72798	65.02747	5.09248	0.3330313	0.24157329	2.5533094	21	12 27.6	21.1
335083 2004 SF_{28}	17.6	X	346.43232	263.42393	151.28284	4.37180	0.2218719	0.23934466	2.5691348	21	—	—
335084 2004 SC_{37}	17.0	X	11.20480	161.85272	222.07565	4.70643	0.0844659	0.24141500	2.5544254	21	12 14.5	20.0
335085 2004 SS_{39}	17.9	X	27.50968	325.08013	23.78563	2.95594	0.2970331	0.23790384	2.5794973	21	12 23.5	21.1
335086 2004 SM_{41}	16.8	X	359.03285	358.34904	34.99910	5.86314	0.2155346	0.23663407	2.5887168	21	12 24.6	19.4
335087 2004 TE_{11}	17.0	X	17.14757	188.54907	243.49467	21.10552	0.0641085	0.36413644	1.9421971	21	—	—
335088 2004 TW_{35}	17.4	X	43.14950	293.04085	8.09834	3.24803	0.1761569	0.23241993	2.6199146	21	10 22.8	20.7
335089 2004 TY_{46}	16.6	X	2.65541	1.58049	23.71195	4.69597	0.0821256	0.23549673	2.5970449	21	11 30.9	19.8
335090 2004 TB_{52}	16.7	X	351.66519	177.66340	220.14918	9.70028	0.1117819	0.23466282	2.6031939	21	12 4.6	19.6
335091 2004 TE_{60}	17.4	X	19.96714	209.32684	193.72039	5.76112	0.2769809	0.24128859	2.5553174	21	—	—
335092 2004 TC_{63}	16.7	X	324.82281	233.18765	204.15754	7.40287	0.1739761	0.23642620	2.5902339	21	12 14.2	19.1
335093 2004 TD_{75}	17.6	X	2.72849	335.70086	36.74853	2.01799	0.1500214	0.23365901	2.6106443	21	11 21.7	20.5
335094 2004 TJ_{78}	16.5	X	0.85997	100.98440	302.19433	11.79721	0.2731353	0.23788259	2.5796509	21	—	—
335095 2004 TN_{80}	17.2	X	23.33138	178.40067	223.70462	4.03926	0.1948889	0.24221061	2.5488284	21	—	—
335096 2004 TX_{85}	17.0	X	70.58001	149.35385	194.91533	3.88566	0.0515497	0.24276234	2.5449651	21	—	—
335097 2004 TN_{86}	16.8	X	75.01598	100.93635	192.69333	14.14991	0.1393913	0.23722353	2.5844266	21	11 19.4	20.7
335098 2004 TZ_{91}	16.8	X	63.87239	316.17545	9.45821	4.90542	0.0663744	0.23749472	2.5824589	21	12 4.7	20.3
335099 2004 TV_{93}	16.8	X	38.07095	151.27115	212.00170	3.45326	0.1678686	0.23952473	2.5678470	21	—	—
335100 2004 TF_{128}	16.7	X	10.89515	293.02038	76.32594	5.98730	0.2485993	0.23662402	2.5887900	21	12 17.6	19.4
335101 2004 TR_{142}	17.2	X	347.07035	230.69042	201.81319	6.21081	0.0941505	0.24071931	2.5593446	21	—	—
335102 2004 TF_{147}	16.9	X	318.85448	74.03455	308.67653	2.73202	0.0932438	0.22892319	2.6465262	21	9 15.2	19.8
335103 2004 TJ_{147}	16.8	X	133.82439	351.55189	250.74551	3.49186	0.1140251	0.23636460	2.5906839	21	11 12.1	20.6
335104 2004 TL_{149}	16.7	X	293.42959	172.42218	215.94521	5.60284	0.0363096	0.22558389	2.6725796	21	8 19.9	20.3
335105 2004 TJ_{150}	17.6	X	5.67500	191.48683	217.47659	3.41142	0.0794526	0.24079559	2.5588040	21	—	—
335106 2004 TL_{158}	16.8	X	32.15848	280.81520	16.48061	6.07268	0.1100320	0.22645868	2.6656926	21	9 21.9	20.0
335107 2004 TN_{165}	17.5	X	24.50196	151.71602	203.20153	7.25435	0.2000184	0.23798053	2.5789432	21	12 12.3	20.6
335108 2004 TR_{165}	16.6	X	226.79487	338.01081	205.79915	6.33976	0.1089730	0.24225289	2.5485319	21	12 8.9	20.1
335109 2004 TN_{166}	17.4	X	1.61073	43.32343	349.20834	3.32412	0.0979111	0.23883172	2.5728119	21	12 12.2	20.3
335110 2004 TE_{168}	16.8	X	349.77858	290.91486	139.14600	2.99847	0.1714407	0.24001793	2.5643281	21	—	—
335111 2004 TU_{168}	16.6	X	321.70161	358.29520	52.06913	4.88666	0.2015474	0.23221590	2.6214490	21	10 26.2	18.7
335112 2004 TD_{184}	16.3	X	38.61769	15.37651	244.01076	2.90219	0.0709442	0.22354211	2.6888288	21	8 1.9	19.7
335113 2004 TW_{186}	17.2	X	19.23726	65.06067	300.85817	1.12964	0.1453828	0.23741336	2.5830488	21	12 10.1	20.3
335114 2004 TJ_{188}	17.1	X	21.30817	150.12310	203.22788	2.48799	0.1560870	0.23621874	2.5917502	21	11 28.2	20.1
335115 2004 TG_{208}	16.1	X	299.65467	201.25013	212.90333	14.93164	0.1289605	0.22696034	2.6617631	21	9 20.6	19.5
335116 2004 TT_{212}	16.4	X	348.06230	156.20263	232.14986	4.29606	0.2203554	0.23297721	2.6157350	21	11 24.2	18.4
335117 2004 TQ_{241}	15.8	X	43.38167	50.45323	268.21376	12.96613	0.0989401	0.23475224	2.6025328	21	11 1.2	19.4
335118 2004 TG_{250}	16.7	X	33.17149	65.07560	214.11000	12.40197	0.1532696	0.22477554	2.6789834	21	8 29.0	20.0
335119 2004 TR_{258}	17.2	X	347.76583	29.95590	331.92659	1.19065	0.2277461	0.23062526	2.6334887	21	10 12.2	19.3
335120 2004 TU_{258}	17.2	X	66.91043	307.31522	24.57325	12.06942	0.2101880	0.24178125	2.5518451	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335121 2004 TS_{266}	17.0	X	326.89633	201.74844	216.35619	3.92730	0.1492375	0.23349078	2.6118981	21	11 19.4	19.6
335122 2004 TC_{267}	16.2	X	320.36489	204.14582	210.27683	14.43772	0.1088842	0.23207839	2.6224844	21	11 2.9	18.9
335123 2004 TF_{272}	16.9	X	20.34455	92.95687	313.65421	2.70727	0.1389530	0.24002467	2.5642801	21	—	—
335124 2004 TR_{278}	17.0	X	6.81090	141.62086	207.25999	8.71029	0.1667707	0.23077977	2.6323132	21	10 28.9	19.7
335125 2004 TZ_{282}	17.4	X	73.77511	131.66697	198.23133	11.66169	0.2635370	0.24239595	2.5475290	21	—	—
335126 2004 TB_{285}	16.5	X	346.93458	108.19558	303.35656	12.08896	0.2619944	0.23589125	2.5941485	21	—	—
335127 2004 TX_{286}	17.2	X	3.87524	358.53073	12.65214	3.03971	0.1253017	0.23521180	2.5991419	21	11 18.7	20.1
335128 2004 TO_{293}	16.5	X	194.36933	308.77865	224.39220	8.58449	0.0723231	0.23006561	2.6377578	21	10 19.9	20.4
335129 2004 TW_{299}	16.0	X	71.31800	45.75935	261.66760	10.72360	0.1891725	0.23731576	2.5837570	21	12 6.5	19.8
335130 2004 TQ_{316}	17.1	X	272.32240	272.57282	189.51308	6.32350	0.1413329	0.23246633	2.6195660	21	10 17.0	20.2
335131 2004 TV_{324}	17.3	X	7.83098	150.24924	252.21459	3.29661	0.1992785	0.23830724	2.5765855	21	—	—
335132 2004 TH_{345}	16.9	X	59.75308	259.20684	109.58637	8.06303	0.2574618	0.24409097	2.5357216	21	—	—
335133 2004 TW_{348}	16.2	X	20.19103	268.53371	50.82371	13.58158	0.1791462	0.22841264	2.6504684	21	10 16.9	19.2
335134 2004 UH_{2}	16.9	X	49.21113	232.36872	89.18102	5.16263	0.2782391	0.23921392	2.5700708	21	12 12.1	20.4
335135 2004 UG_{4}	16.9	X	64.36113	142.12592	242.03647	19.46312	0.1050429	0.36366898	1.9438610	21	—	—
335136 2004 VK_{8}	16.4	X	342.89278	321.02145	94.98289	4.61351	0.1763474	0.23449444	2.6044400	21	12 19.8	18.9
335137 2004 VH_{14}	16.4	X	306.01825	194.66665	179.69281	3.56934	0.1854071	0.22281373	2.6946855	21	7 30.1	19.4
335138 2004 VT_{23}	16.8	X	330.21544	167.65169	248.97827	1.40448	0.2287874	0.23186522	2.6240915	21	11 24.2	18.6
335139 2004 VX_{26}	16.7	X	350.07283	129.37738	300.61246	4.56824	0.2223312	0.23712771	2.5851228	21	—	—
335140 2004 VO_{27}	16.6	X	306.10048	84.57433	314.02028	11.47518	0.1822077	0.22855855	2.6493402	21	9 1.9	19.6
335141 2004 VZ_{38}	17.0	X	39.88068	78.62115	218.88031	4.56402	0.0621962	0.22524479	2.6752613	21	9 23.9	20.3
335142 2004 VW_{70}	17.2	X	9.92561	194.21354	163.77314	1.60301	0.2857213	0.23324185	2.6137561	21	12 5.9	19.7
335143 2004 VS_{78}	16.9	X	35.75094	214.63331	143.09870	3.44344	0.2618243	0.23830636	2.5765919	21	—	—
335144 2004 VP_{82}	17.2	X	306.71680	91.44720	350.60248	4.67722	0.2639768	0.23095351	2.6309929	21	10 29.2	19.4
335145 2004 VC_{88}	16.6	X	101.62895	283.09518	300.30403	3.09619	0.0402140	0.22157161	2.7047469	21	9 4.4	20.2
335146 2004 WM_{12}	16.6	X	331.89677	252.96714	144.04698	13.12317	0.2695056	0.23037618	2.6353866	21	11 2.8	18.8
335147 2004 XF_{5}	17.1	X	329.04935	105.73298	318.37914	2.03242	0.2553985	0.23223916	2.6212739	21	12 3.5	18.7
335148 2004 XZ_{25}	16.8	X	294.30153	99.48782	306.61152	6.82854	0.2762689	0.22262441	2.6962130	21	8 9.3	19.9
335149 2004 XS_{30}	17.2	X	16.89455	89.93763	277.87049	16.73854	0.0869966	0.34762639	2.0032150	21	12 27.7	19.0
335150 2004 XU_{31}	16.1	X	349.15252	122.89618	288.00512	5.81954	0.3489109	0.23283050	2.6168338	21	—	—
335151 2004 XH_{45}	16.5	X	278.28631	186.16559	252.95474	4.32628	0.2805418	0.22245284	2.6975991	21	8 28.8	20.1
335152 2004 XA_{49}	16.4	X	349.11652	313.57787	81.51666	14.81859	0.2686786	0.23063679	2.6334010	21	12 12.3	18.2
335153 2004 XL_{50}	17.1	X	338.08619	138.37076	285.11923	2.97290	0.2174126	0.23399365	2.6081546	21	12 24.3	19.1
335154 2004 XG_{59}	16.4	X	7.00238	61.09365	300.29840	10.45824	0.3048971	0.22910622	2.6451165	21	12 6.6	19.1
335155 2004 XM_{61}	16.6	X	309.91965	348.07321	50.08777	8.87509	0.2310192	0.22655868	2.6649082	21	9 10.6	19.3
335156 2004 XH_{64}	16.3	X	337.42578	113.83500	272.62659	10.71209	0.1542891	0.22755829	2.6570983	21	10 18.5	19.2
335157 2004 XU_{73}	16.1	X	287.08092	337.68667	101.35501	9.53098	0.2809888	0.22600091	2.6692910	21	9 18.4	19.3
335158 2004 XP_{83}	16.5	X	307.30514	131.85346	290.97688	3.04109	0.1873370	0.22612889	2.6682838	21	10 10.9	19.3
335159 2004 XU_{91}	17.7	X	358.62581	56.23259	313.01311	0.70326	0.2053712	0.22948406	2.6422123	21	11 15.3	20.1
335160 2004 XB_{92}	16.8	X	348.94512	287.38459	74.41886	3.85703	0.2060883	0.22668313	2.6639327	21	10 15.3	19.0
335161 2004 XD_{92}	16.2	X	348.85835	55.04099	317.04357	6.63727	0.1442486	0.22816822	2.6523609	21	10 21.3	19.1
335162 2004 XG_{100}	16.4	X	308.01490	320.34877	57.12482	6.58836	0.0423198	0.22334023	2.6904489	21	8 31.2	19.9
335163 2004 XZ_{102}	15.4	X	218.97906	159.64552	295.19934	34.74329	0.1579040	0.21369150	2.7708385	21	7 26.8	19.8
335164 2004 XT_{105}	15.9	X	334.79707	108.57636	279.75852	10.18135	0.0969690	0.22846687	2.6500489	21	10 16.1	19.1
335165 2004 XK_{116}	16.8	X	116.18511	225.00311	316.06144	3.05682	0.1316530	0.21077851	2.7963090	21	8 8.6	20.9
335166 2004 XV_{124}	15.8	X	9.72568	99.66153	267.95235	14.23814	0.1977630	0.23184553	2.6242401	21	12 3.7	18.6
335167 2004 XR_{154}	17.0	X	359.90487	305.14907	73.42912	5.19026	0.2997439	0.23127310	2.6285686	21	12 17.2	19.2
335168 2004 XL_{164}	16.6	X	37.42845	228.34551	98.80770	15.21371	0.2701466	0.23245940	2.6196180	21	12 5.4	20.1
335169 2004 XO_{171}	16.5	X	1.85031	96.52340	232.24452	10.14150	0.1389124	0.22692073	2.6620729	21	9 11.2	19.6
335170 2004 XQ_{174}	16.5	X	304.56926	114.28871	277.17689	11.36724	0.0355147	0.22148228	2.7054742	21	9 4.7	20.2
335171 2004 YK_{3}	17.1	X	323.94068	293.07419	139.33072	6.70637	0.2624446	0.23207357	2.6225207	21	12 4.4	18.9
335172 2004 YS_{9}	16.8	X	13.05685	245.90949	99.65409	3.32443	0.2208078	0.23063291	2.6334305	21	11 13.3	19.4
335173 2004 YS_{18}	16.3	X	332.14803	119.75973	282.80479	2.49231	0.2275417	0.22639704	2.6661764	21	11 4.0	18.3
335174 2005 AB_{26}	16.2	X	259.53935	297.65755	124.95227	5.74437	0.1198236	0.21492940	2.7601890	21	8 9.2	20.0
335175 2005 AY_{33}	16.4	X	241.09161	275.07282	139.36150	5.66562	0.1545587	0.21206717	2.7849693	21	7 2.9	20.7
335176 2005 AK_{46}	16.2	X	256.28882	275.38820	126.80999	9.93996	0.2142008	0.21357198	2.7718722	21	6 27.1	20.4
335177 2005 AY_{55}	16.8	X	289.35785	273.15375	94.36724	1.83705	0.0873918	0.21040954	2.7995771	21	7 10.8	20.4
335178 2005 AX_{64}	13.7	X	150.84539	200.87442	268.28413	2.36307	0.0425847	0.08286329	5.2106825	21	6 11.4	20.8
335179 2005 AD_{77}	16.0	X	304.04168	93.12182	321.44750	16.95441	0.1875343	0.22074243	2.7115160	21	9 15.4	19.2
335180 2005 BT_{4}	16.2	X	324.92172	99.92287	308.59559	10.12127	0.1866758	0.22554334	2.6729000	21	10 22.8	19.1
335181 2005 BM_{9}	16.8	X	318.83421	61.82785	343.07037	6.72827	0.3259633	0.22454756	2.6807963	21	9 20.2	18.7
335182 2005 BR_{11}	15.8	X	278.76162	79.52214	130.55692	15.02349	0.2296416	0.17459687	3.1703831	21	—	—
335183 2005 BP_{48}	16.4	X	223.79966	307.53897	161.15926	8.68249	0.2644968	0.21451953	2.7637038	21	8 13.5	21.2
335184 2005 BM_{49}	13.3	X	270.55674	39.58724	305.81784	9.84856	0.0621934	0.08133164	5.2758977	21	5 25.7	20.4
335185 2005 CD_{4}	15.8	X	239.79244	122.84562	328.51353	33.90905	0.2551842	0.21425541	2.7659746	21	8 13.2	20.4
335186 2005 CF_{14}	12.8	X	249.61140	63.82801	322.27805	36.70430	0.0325685	0.08316836	5.1979325	21	7 2.8	20.1
335187 2005 CG_{50}	16.2	X	353.29096	227.87996	330.54951	9.42437	0.1892724	0.18488347	3.0516683	21	2 21.6	19.6
335188 2005 CH_{57}	16.2	X	27.62998	200.44659	323.56530	4.06174	0.1973255	0.18735427	3.0247790	21	3 13.4	19.3
335189 2005 CW_{65}	15.7	X	266.53706	75.13728	139.23022	13.04774	0.1584149	0.17146580	3.2088620	21	—	—
335190 2005 CQ_{80}	15.4	X	316.61247	238.67785	295.64757	25.21288	0.1991149	0.17619579	3.1511739	21	—	—
335191 2005 EO	15.2	X	358.83403	211.99603	340.52454	9.58246	0.1872834	0.18345709	3.0674657	21	2 25.2	18.3
335192 2005 EC_{24}	16.4	X	259.81688	338.52040	349.62043	9.89960	0.0039167	0.19113666	2.9847415	21	4 20.2	20.7
335193 2005 EV_{36}	15.2	X	255.07333	327.03810	272.57874	9.84296	0.1520410	0.17312347	3.1883457	21	—	—
335194 2005 EF_{43}	15.5	X	51.81659	316.39397	159.12258	12.60488	0.0937888	0.18221686	3.0813687	21	2 15.3	19.3
335195 2005 EH_{56}	16.1	X	300.73953	261.71069	342.90590	8.35750	0.0371922	0.18322612	3.0700430	21	2 26.6	20.2
335196 2005 EA_{65}	17.9	X	19.71901	106.90455	100.89423	2.94992	0.1497721	0.30976385	2.1632941	21	4 9.1	19.2
335197 2005 EO_{69}	15.8	X	117.90349	168.92415	340.25219	10.74713	0.1184795	0.19740499	2.9212180	21	6 30.3	20.3
335198 2005 EN_{88}	15.9	X	261.93859	23.21104	337.64577	14.91719	0.1221636	0.19729592	2.9222945	21	5 17.8	20.5
335199 2005 EJ_{91}	15.6	X	7.62723	331.97553	200.43108	11.22246	0.0541293	0.18180872	3.0859786	21	2 19.6	19.8
335200 2005 EE_{93}	16.3	X	300.84509	350.11729	112.03622	14.67573	0.2131328	0.22503229	2.6769452	21	11 26.9	19.1

ELEMENTS AND OPPOSITION DATES IN 2021

ECLIPTIC AND EQUINOX 2000.0, EPOCH 2021 JULY 5.0 TT

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335201 2005 EC_{94}	15.6	X	287.80213	93.80283	134.16483	10.93727	0.0664758	0.17839803	3.1251870	21	1 18.4	20.1
335202 2005 EH_{134}	16.7	X	282.86835	218.04554	166.64293	9.95792	0.2291718	0.20975774	2.8053737	21	7 2.2	20.8
335203 2005 EO_{138}	15.5	X	296.45010	60.70409	161.17596	27.03327	0.1359814	0.17602736	3.1531836	21	1 12.8	20.5
335204 2005 ED_{142}	15.5	X	37.59641	206.26892	311.13750	10.83111	0.1052123	0.18658360	3.0331024	21	3 14.7	19.4
335205 2005 ER_{145}	18.1	X	293.08277	275.69198	15.10822	5.26206	0.1982052	0.30595225	2.1812241	21	3 9.1	20.9
335206 2005 EU_{150}	16.1	X	51.47155	32.80542	122.36707	3.83168	0.0614946	0.18454468	3.0554020	21	4 5.6	20.2
335207 2005 EF_{163}	18.1	X	287.94818	137.88799	163.99729	6.18910	0.1920382	0.30733624	2.1746709	21	3 17.9	20.8
335208 2005 ER_{169}	14.9	X	353.84082	18.20464	138.56686	28.67772	0.1386814	0.17564170	3.1577977	21	1 10.1	19.1
335209 2005 EH_{175}	16.0	X	273.88325	295.76983	348.69075	12.42312	0.0033931	0.18417349	3.0595060	21	3 17.4	20.2
335210 2005 EO_{182}	16.3	X	151.76199	150.87192	330.05761	5.06268	0.2007726	0.19970620	2.8987339	21	7 3.9	21.2
335211 2005 EH_{203}	15.6	X	283.10807	75.33855	197.84617	9.38957	0.0339794	0.17917582	3.1161364	21	3 10.8	20.1
335212 2005 EW_{217}	16.6	X	102.63758	64.29690	63.96393	2.61000	0.0630842	0.18892687	3.0079705	21	5 8.0	20.7
335213 2005 EE_{223}	15.4	X	254.67999	94.92169	139.13035	16.80669	0.1085109	0.16958461	3.2325489	21	—	—
335214 2005 EN_{233}	15.5	X	331.73722	58.61029	135.55422	13.87632	0.1132288	0.17925689	3.1151968	21	1 25.1	19.7
335215 2005 EJ_{256}	15.0	X	318.61133	275.87267	283.39915	15.89011	0.2207509	0.17913555	3.1166033	21	—	—
335216 2005 EN_{286}	15.6	X	324.66332	46.47397	148.22941	27.14472	0.1722475	0.17573571	3.1566714	21	1 10.1	20.2
335217 2005 FL_{11}	15.9	X	59.83176	319.50794	217.65980	9.11968	0.0258927	0.18665468	3.0323323	21	5 9.9	20.0
335218 2005 GB_{6}	15.7	X	12.20612	32.85859	145.01882	5.07336	0.0894088	0.17990274	3.1077366	21	3 8.3	19.4
335219 2005 GQ_{11}	17.7	X	334.97847	91.47938	121.23310	6.26483	0.1324147	0.30111151	2.2045391	21	1 23.9	20.2
335220 2005 GB_{27}	17.9	X	314.90646	60.60625	158.43256	7.29626	0.3335802	0.29654353	2.2271207	21	—	—
335221 2005 GP_{28}	15.7	X	351.05429	5.62045	215.69125	7.79628	0.0502316	0.18348638	3.0671393	21	3 31.9	19.8
335222 2005 GY_{37}	15.5	X	310.00423	231.53217	313.64136	9.92604	0.1289342	0.17279705	3.1923598	21	—	—
335223 2005 GG_{47}	16.0	X	333.93131	5.67540	191.83033	12.37854	0.0582778	0.17838365	3.1253550	21	2 5.7	20.4
335224 2005 GT_{48}	18.2	X	277.13966	263.99334	37.51780	4.72085	0.1847957	0.30253603	2.1976135	21	3 8.7	21.2
335225 2005 GE_{73}	15.6	X	313.69022	84.84829	141.01141	9.55196	0.1306406	0.17731077	3.1379496	21	2 7.3	19.8
335226 2005 GS_{81}	16.5	X	35.91251	164.59230	16.51597	4.29237	0.1548421	0.18925285	3.0045154	21	4 20.4	19.8
335227 2005 GW_{88}	15.8	X	127.32680	204.98621	209.95036	8.02795	0.0641495	0.17835096	3.1257369	21	3 6.3	20.5
335228 2005 GH_{101}	15.8	X	252.14756	306.03373	26.72546	11.06720	0.0312110	0.18539076	3.0460988	21	4 17.4	20.0
335229 2005 GY_{109}	17.5	X	7.31405	25.38918	206.82719	8.34989	0.0885418	0.30826947	2.1702797	21	4 25.6	19.4
335230 2005 GM_{113}	15.9	X	305.98427	56.12662	172.88844	17.58118	0.0844076	0.18150236	3.0894502	21	2 5.2	20.4
335231 2005 GG_{136}	15.6	X	29.22066	309.22793	199.66064	20.54468	0.1315245	0.17766932	3.1337265	21	2 21.1	19.7
335232 2005 GT_{138}	15.7	X	227.62125	298.26423	38.56247	11.38350	0.1283836	0.18060449	3.0996811	21	3 23.9	20.7
335233 2005 GS_{143}	18.5	X	260.99694	104.41378	175.42485	7.69825	0.2198735	0.29454482	2.2371844	21	1 20.2	22.2
335234 2005 GM_{161}	16.1	X	1.04236	21.80246	161.89870	10.85639	0.2103392	0.17996818	3.1069831	21	2 14.7	19.6
335235 2005 GA_{170}	17.7	X	7.39111	34.45590	211.01339	5.39815	0.1219442	0.30989822	2.1626687	21	5 16.7	19.1
335236 2005 GF_{190}	17.0	X	239.03998	18.22527	26.62918	1.88079	0.1017788	0.20374023	2.8603435	21	6 24.2	21.3
335237 2005 GZ_{194}	16.7	X	272.58294	318.62882	15.07516	1.75556	0.0790108	0.19491467	2.9460472	21	5 6.2	20.7
335238 2005 GJ_{207}	15.7	X	242.88983	144.58491	136.54193	24.70169	0.0579676	0.17487018	3.1670788	21	2 2.5	20.5
335239 2005 HE_{9}	15.9	X	357.49921	349.17380	211.76743	8.80624	0.0279907	0.17846564	3.1243976	21	3 16.3	20.3
335240 2005 JQ_{95}	15.5	X	191.26801	151.25095	191.07448	9.11538	0.0894355	0.17920823	3.1157606	21	2 18.1	20.4
335241 2005 JU_{95}	17.9	X	296.58057	103.98641	195.96648	4.43133	0.0292891	0.30573724	2.1822466	21	4 20.7	20.2
335242 2005 JJ_{114}	16.0	X	296.61085	77.36168	205.25098	16.23785	0.0533092	0.18349698	3.0670212	21	4 5.8	20.4
335243 2005 JH_{122}	15.7	X	7.79379	275.73794	263.11902	15.55003	0.1750761	0.18110759	3.0939381	21	2 16.7	19.5
335244 2005 KA_{4}	15.3	X	13.74136	111.61162	52.03531	10.64522	0.0242168	0.17582040	3.1556576	21	2 27.7	19.8
335245 2005 KS_{4}	17.7	X	310.20938	142.42719	92.65065	7.23767	0.0466801	0.29672721	2.2262015	21	2 5.9	20.3
335246 2005 LL	16.7	X	329.89747	163.74749	36.96031	3.56657	0.0726401	0.17495982	3.1659970	21	2 7.6	20.9
335247 2005 LZ	17.6	X	265.41801	336.48234	315.65005	5.57862	0.1982592	0.29570790	2.2313144	21	2 10.5	21.0
335248 2005 LX_{7}	16.2	X	279.44666	152.12099	106.26012	23.68706	0.2236030	0.29268979	2.2466271	21	1 10.9	19.7
335249 2005 LE_{35}	18.2	X	256.56909	78.69893	226.64543	2.67104	0.1514315	0.29231711	2.2485362	21	2 21.5	21.6
335250 2005 LN_{41}	18.2	X	246.41564	21.17823	286.13302	3.53830	0.1642142	0.29079186	2.2563920	21	2 13.8	21.8
335251 2005 LW_{47}	18.0	X	214.70924	182.43892	115.76466	3.14549	0.1972522	0.28409346	2.2917218	21	1 7.6	21.5
335252 2005 LZ_{51}	17.9	X	199.00550	47.65143	278.23110	3.76529	0.2735932	0.28350901	2.2948703	21	1 30.2	21.9
335253 2005 MN_{4}	15.9	X	54.99969	319.49488	208.20181	11.90937	0.1814922	0.18295074	3.0731230	21	5 11.5	19.6
335254 2005 MG_{20}	17.1	X	205.32614	208.84588	118.03494	3.49106	0.1908621	0.28450184	2.2895282	21	2 3.8	20.8
335255 2005 MB_{30}	17.3	X	208.92564	8.30311	258.37573	5.04561	0.0987658	0.27678039	2.3319139	21	—	—
335256 2005 MD_{34}	17.6	X	226.75037	282.14303	350.80859	5.65150	0.1831428	0.28193590	2.3033988	21	—	—
335257 2005 MK_{38}	17.0	X	87.29897	162.61201	296.01047	6.96874	0.0696222	0.28709936	2.2756977	21	2 20.5	19.5
335258 2005 ML_{41}	17.9	X	195.60835	213.29343	110.94284	3.57854	0.2177829	0.28243422	2.3006886	21	1 24.5	21.7
335259 2005 MY_{41}	17.6	X	218.20639	165.90532	152.57632	7.64144	0.2395487	0.28578922	2.2826473	21	2 3.7	21.6
335260 2005 MA_{49}	17.5	X	179.20931	179.43660	143.99989	7.21212	0.1265279	0.27966820	2.3158335	21	1 1.8	20.8
335261 2005 MZ_{51}	17.6	X	241.14779	272.94393	13.59993	1.08132	0.1940029	0.28661817	2.2782440	21	1 15.4	21.4
335262 2005 MU_{53}	18.2	X	208.20536	185.46803	121.51010	1.08752	0.2118750	0.28115053	2.3076864	21	1 13.7	22.0
335263 2005 MX_{53}	18.0	X	195.05119	145.58556	163.71465	1.28458	0.2425764	0.28036200	2.3120113	21	1 7.2	21.7
335264 2005 MQ_{54}	17.7	X	185.20706	201.04911	138.38587	3.05747	0.2051328	0.28208910	2.3025647	21	2 2.3	21.4
335265 2005 NA_{3}	17.7	X	225.80020	201.70392	143.23601	2.49407	0.1847372	0.29170552	2.2516780	21	3 15.4	21.3
335266 2005 NW_{6}	17.1	X	301.09530	65.11120	123.67341	23.24874	0.2108631	0.28327049	2.2961583	21	—	—
335267 2005 NV_{8}	18.3	X	234.99327	353.24688	281.65611	3.13117	0.2276484	0.28366697	2.2940182	21	—	—
335268 2005 NZ_{9}	18.2	X	218.03609	115.68028	151.36687	2.26560	0.2077368	0.27983625	2.3149062	21	—	—
335269 2005 NP_{11}	17.0	X	319.72330	137.50244	96.64786	7.62957	0.1267373	0.29693458	2.2251649	21	2 4.9	19.7
335270 2005 NZ_{16}	17.5	X	215.45537	120.40647	127.11673	6.56688	0.1933865	0.27743533	2.3282424	21	—	—
335271 2005 NC_{17}	17.3	X	227.81598	303.94724	20.58311	5.86988	0.2784071	0.28788992	2.2715297	21	2 20.5	21.3
335272 2005 NR_{19}	17.6	X	159.43042	244.58777	148.02412	3.71975	0.1285942	0.28694392	2.2765194	21	3 10.7	20.6
335273 2005 NW_{21}	17.6	X	174.48998	71.71675	280.58069	5.98812	0.1341588	0.28313440	2.2968940	21	2 1.6	20.9
335274 2005 NH_{22}	16.8	X	79.05335	189.00516	283.96549	8.12591	0.0634592	0.28836605	2.2690286	21	2 25.6	19.3
335275 2005 NX_{28}	17.9	X	175.13859	190.30544	171.08162	4.33060	0.1978439	0.28331554	2.2959149	21	2 19.4	21.4
335276 2005 NR_{57}	17.3	X	176.68258	143.67790	209.39980	5.73548	0.2146147	0.28272210	2.2991265	21	2 10.2	21.0
335277 2005 NH_{58}	17.7	X	269.79116	343.01322	257.71816	5.47344	0.1128311	0.28473300	2.2882888	21	—	—
335278 2005 NA_{65}	17.7	X	217.45237	163.44446	140.62586	7.07014	0.1942243	0.28412305	2.2915626	21	1 16.5	21.3
335279 2005 NY_{81}	17.2	X	192.76073	40.86876	338.25438	6.05212	0.1074741	0.29003201	2.2603313	21	3 24.8	20.5
335280 2005 NN_{100}	17.2	X	176.34905	76.19585	306.09779	6.64482	0.1239142	0.28777588	2.2721297	21	3 11.3	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335281 2005 NG_{123}	17.8	X	223.97296	64.90013	238.44259	5.09864	0.1739394	0.28446333	2.2897348	21	1 20.1	21.5
335282 2005 OV_6	17.4	X	203.79872	338.85699	339.34695	8.36306	0.2283171	0.28188677	2.3036664	21	1 25.9	21.4
335283 2005 OJ_9	17.5	X	224.13270	327.34289	316.20786	8.90590	0.3042353	0.28334175	2.2957733	21	—	—
335284 2005 ON_{10}	17.1	X	191.35249	236.76860	108.42281	7.48732	0.1651835	0.28342308	2.2953341	21	2 14.4	20.7
335285 2005 OY_{12}	17.4	X	246.57017	283.21715	346.55239	6.64253	0.1738622	0.28222437	2.3018289	21	1 1.2	21.1
335286 2005 OX_{15}	17.5	X	168.82959	209.72081	161.02584	6.61629	0.1700230	0.28292994	2.2980005	21	2 23.5	21.0
335287 2005 OE_{20}	16.9	X	130.80382	35.62172	329.27627	6.12615	0.1399708	0.27580142	2.3374288	21	1 2.1	19.8
335288 2005 OO_{22}	17.9	X	221.46187	302.17491	350.50269	1.58779	0.2393710	0.28366759	2.2940149	21	1 7.4	21.7
335289 2005 OJ_{26}	17.7	X	175.90448	179.95164	174.85779	5.71984	0.2646798	0.28174811	2.3044222	21	2 15.9	21.5
335290 2005 OE_{31}	17.3	X	158.40653	109.98625	250.10296	7.95385	0.2662180	0.27926116	2.3180832	21	2 6.3	21.1
335291 2005 PG_1	16.7	X	186.60869	331.52891	338.79631	9.27603	0.1479042	0.27844279	2.3226231	21	—	—
335292 Larrey	17.9	X	156.32275	12.41928	319.53368	2.29707	0.1980535	0.27608654	2.3358192	21	—	—
335293 2005 PL_8	17.6	X	208.23755	178.63958	103.95356	6.52645	0.1617206	0.27866124	2.3214091	21	—	—
335294 2005 PL_{11}	18.0	X	179.22901	171.18572	140.21302	6.13191	0.2480523	0.27745768	2.3281174	21	—	—
335295 2005 PV_{19}	17.1	X	132.40445	239.25683	161.00075	2.87486	0.2158385	0.28053559	2.3110575	21	3 1.1	20.1
335296 2005 QG_6	17.6	X	188.24503	148.12264	190.71910	1.09614	0.2050232	0.28112510	2.3078255	21	2 4.1	21.4
335297 2005 QJ_8	17.3	X	149.83419	160.58889	219.42272	1.98907	0.2261067	0.28060121	2.3106971	21	2 21.6	20.7
335298 2005 QE_{10}	17.6	X	155.23959	136.42724	281.32216	3.28627	0.1709321	0.28674784	2.2775571	21	4 9.9	20.9
335299 2005 QV_{10}	17.4	X	197.27753	54.33368	272.11466	4.91111	0.1953131	0.28206538	2.3026938	21	1 26.5	21.0
335300 2005 QG_{11}	17.4	X	166.33925	33.41773	324.90324	9.33697	0.2494601	0.27946121	2.3169768	21	2 12.8	21.1
335301 2005 QU_{11}	16.8	X	220.67985	303.91142	335.37193	23.58054	0.1860232	0.28087593	2.3091902	21	—	—
335302 2005 QN_{13}	17.2	X	143.36791	22.68586	319.83409	3.30132	0.2088274	0.27386519	2.3484329	21	—	—
335303 2005 QL_{15}	17.5	X	240.86204	79.87661	185.89613	4.26621	0.2331621	0.28159551	2.3052546	21	—	—
335304 2005 QL_{25}	17.3	X	203.52482	154.00729	148.78559	6.17856	0.1380740	0.27708680	2.3301944	21	1 1.9	20.8
335305 2005 QZ_{29}	17.4	X	176.94175	167.69673	188.00437	6.22050	0.2518484	0.28120933	2.3073647	21	2 16.7	21.2
335306 Mouhot	17.9	X	212.22903	168.25007	151.18332	5.55049	0.2415563	0.28374587	2.2935930	21	1 31.7	21.8
335307 2005 QS_{33}	17.4	X	201.74675	60.05387	273.33136	0.42452	0.1776405	0.28327393	2.2961397	21	2 7.9	20.9
335308 2005 QS_{36}	18.0	X	148.19746	93.08673	304.59218	4.10270	0.2162130	0.27984967	2.3148322	21	3 12.6	21.5
335309 2005 QM_{37}	16.9	X	134.55746	199.42110	163.48570	5.90181	0.2005025	0.27330286	2.3516532	21	1 12.3	20.0
335310 2005 QO_{37}	17.3	X	147.23219	239.04170	151.95519	7.72639	0.2109115	0.27876180	2.3208507	21	3 5.2	20.7
335311 2005 QX_{39}	17.4	X	216.18866	354.87614	303.25766	7.91518	0.2350019	0.28206075	2.3027190	21	1 10.3	21.2
335312 2005 QA_{44}	17.9	X	187.39160	116.25343	152.52926	3.87349	0.1726761	0.27187383	2.3598865	21	—	—
335313 2005 QS_{45}	17.3	X	156.84339	335.95760	42.10297	2.88584	0.2249011	0.27970947	2.3156057	21	2 27.9	20.7
335314 2005 QM_{53}	17.4	X	182.74409	193.67609	149.34891	6.38105	0.1898502	0.28085579	2.3093006	21	2 3.4	21.1
335315 2005 QH_{54}	17.5	X	192.43766	73.15183	268.94434	1.03267	0.1856273	0.28210280	2.3024901	21	2 10.7	21.1
335316 2005 QZ_{70}	17.2	X	129.62612	246.95696	129.74285	4.06239	0.2236712	0.27423249	2.3463355	21	1 28.2	20.1
335317 2005 QH_{74}	16.5	X	132.72056	22.09155	345.79830	6.73789	0.1207394	0.27371000	2.3493205	21	1 6.6	19.4
335318 2005 QY_{79}	17.2	X	171.71295	78.56563	289.72667	8.20307	0.1973674	0.28181351	2.3040656	21	2 22.4	20.9
335319 2005 QH_{83}	17.5	X	111.58684	56.15865	315.15639	4.77845	0.1968970	0.27122452	2.3636514	21	—	—
335320 2005 QR_{83}	17.1	X	145.42126	46.62378	335.57811	5.22867	0.2326777	0.27694697	2.3309787	21	2 22.2	20.5
335321 2005 QQ_{91}	17.8	X	166.85559	84.56607	291.32549	1.08628	0.2307890	0.28263094	2.2996209	21	3 4.6	21.5
335322 2005 QS_{104}	17.7	X	205.88431	37.51255	254.30176	3.05085	0.1262798	0.27702651	2.3305325	21	—	—
335323 2005 QV_{108}	17.2	X	96.06609	261.30848	166.31130	22.21305	0.3212617	0.27362262	2.3498207	21	3 9.7	19.6
335324 2005 QN_{110}	17.7	X	162.47124	138.98112	211.46454	2.11023	0.1839545	0.27720949	2.3295068	21	1 24.3	21.2
335325 2005 QK_{124}	17.6	X	138.10631	260.03567	141.61716	2.39019	0.1927095	0.27981187	2.3150407	21	3 6.9	20.9
335326 2005 QX_{132}	17.7	X	131.94061	26.15646	35.54109	3.02314	0.2468981	0.28069757	2.3101683	21	4 2.0	21.0
335327 2005 QF_{135}	17.1	X	52.00471	94.57840	3.48354	7.03653	0.0412873	0.27527676	2.3403978	21	—	—
335328 2005 QT_{143}	18.0	X	201.49922	300.43367	340.20292	4.19836	0.2218514	0.27858542	2.3218302	21	—	—
335329 2005 QM_{155}	17.1	X	160.24429	184.67221	115.95820	8.28792	0.0884035	0.27122660	2.3636392	21	—	—
335330 2005 QG_{176}	17.9	X	197.82410	75.70816	222.32422	1.64982	0.1833782	0.27568912	2.3380635	21	—	—
335331 2005 QO_{188}	17.8	X	161.72266	173.91108	146.53415	1.72410	0.2033706	0.27394312	2.3479875	21	—	—
335332 2005 RD	17.0	X	297.26478	1.83204	212.01296	6.46081	0.0684328	0.27974597	2.3154042	21	—	—
335333 2005 RR_{11}	17.7	X	208.77727	163.32653	164.16109	5.86108	0.1910253	0.28399474	2.2922528	21	2 6.3	21.3
335334 2005 RV_{21}	17.5	X	203.80639	288.88045	28.51785	2.99341	0.2364598	0.28087697	2.3091845	21	1 24.4	21.4
335335 2005 RW_{21}	17.5	X	134.15662	31.48918	355.17641	2.64235	0.1603828	0.27754740	2.3276157	21	2 7.0	20.3
335336 2005 RZ_{22}	17.4	X	156.15182	175.75128	196.70244	6.11918	0.2175546	0.27983599	2.3149077	21	2 16.4	20.9
335337 2005 SM	17.3	X	148.97855	354.94042	335.69502	6.87429	0.1336253	0.27103415	2.3647580	21	—	—
335338 2005 SS_8	17.5	X	116.95174	230.70749	126.95737	2.26339	0.1989151	0.26791421	2.3830815	21	—	—
335339 2005 SK_{10}	16.3	X	157.06947	254.34764	69.56931	23.18295	0.2762015	0.27205642	2.3588305	21	—	—
335340 2005 SR_{19}	16.9	X	165.84835	284.19136	40.88153	6.65284	0.1266523	0.27181609	2.3602206	21	—	—
335341 2005 SX_{19}	17.2	X	104.35478	348.22505	55.17117	4.45743	0.1813857	0.27194333	2.3594844	21	1 24.9	19.8
335342 2005 SB_{23}	17.9	X	159.44518	262.07304	54.27311	2.95132	0.2200085	0.27218228	2.3581033	21	—	—
335343 2005 SD_{35}	18.0	X	185.31336	180.39024	148.15415	3.29389	0.2255756	0.27710017	2.3301195	21	1 21.8	21.8
335344 2005 SV_{36}	16.7	X	177.49466	312.94787	11.66536	7.09081	0.1399877	0.27508532	2.3414835	21	1 4.9	20.2
335345 2005 SB_{39}	17.4	X	169.23712	295.12495	14.10542	2.54704	0.2217535	0.27233388	2.3572281	21	—	—
335346 2005 SR_{45}	17.2	X	142.67776	357.71439	0.71122	3.76418	0.1524013	0.27259926	2.3556979	21	1 11.2	20.3
335347 2005 SW_{46}	17.6	X	27.53957	143.89434	308.93438	1.89603	0.1588159	0.26528124	2.3988238	21	—	—
335348 2005 SQ_{49}	17.7	X	117.45510	168.10616	180.02010	1.30839	0.1960487	0.26672953	2.3901326	21	—	—
335349 2005 SL_{53}	17.7	X	117.78227	105.93679	318.29154	1.06763	0.2181201	0.27741075	2.3283800	21	3 16.2	20.8
335350 2005 SZ_{53}	17.7	X	111.50951	219.40038	182.84724	1.27400	0.1810916	0.27258229	2.3557957	21	2 1.1	20.4
335351 2005 SU_{64}	17.2	X	217.76590	59.92670	242.94248	3.12270	0.1805049	0.28014993	2.3131779	21	1 15.5	21.0
335352 2005 SN_{66}	17.0	X	167.27852	337.35916	8.46069	4.83138	0.2174935	0.27620212	2.3351675	21	1 28.5	20.6
335353 2005 SO_{67}	17.6	X	219.43805	268.80847	7.71916	3.29735	0.1830674	0.27561220	2.3384985	21	—	—
335354 2005 SB_{68}	17.1	X	55.57024	221.94899	219.68770	4.38523	0.1901449	0.26868305	2.3785331	21	—	—
335355 2005 SW_{71}	17.0	X	85.90268	326.77552	91.45717	2.23840	0.1773465	0.27021691	2.3695235	21	1 13.1	19.1
335356 2005 ST_{93}	17.0	X	136.25995	144.77914	210.44806	1.49859	0.2260654	0.27087877	2.3656622	21	1 8.9	20.0
335357 2005 SJ_{98}	17.2	X	56.33854	199.18443	247.26851	5.53285	0.2000207	0.26873564	2.3782228	21	—	—
335358 2005 SB_{103}	17.5	X	136.98298	53.34190	332.90921	1.76113	0.2260453	0.27528077	2.3403751	21	2 18.1	20.6
335359 2005 SN_{105}	17.0	X	150.16143	245.61635	108.50327	3.09517	0.2214903	0.27301438	2.3533094	21	1 21.9	20.4
335360 2005 ST_{108}	17.4	X	79.55275	91.05975	320.33964	0.79160	0.1715627	0.26840067	2.3802011	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335361 2005 SK_{112}	16.8	X	188.95657	9.97991	308.48308	6.68268	0.1327208	0.27598955	2.3363664	21	1 7.7	20.1
335362 2005 SD_{113}	16.8	X	171.85818	10.92787	316.73097	6.81484	0.1298167	0.27387304	2.3483880	21	1 1.7	20.1
335363 2005 SD_{117}	17.1	X	96.47183	312.75265	94.37698	3.38685	0.1842884	0.27231954	2.3573108	21	1 16.6	19.2
335364 2005 SS_{124}	17.4	X	158.46212	126.66600	216.37469	2.71771	0.1747744	0.27359756	2.3499642	21	1 10.6	20.7
335365 2005 SM_{133}	17.1	X	130.62076	190.57105	204.50977	4.99012	0.2183658	0.27428552	2.3460331	21	2 19.8	20.3
335366 2005 SK_{145}	15.5	X	73.79027	227.95958	58.72406	3.73564	0.1614126	0.12647183	3.9307326	21	10 27.4	21.1
335367 2005 ST_{145}	17.3	X	204.27743	152.24833	107.28312	2.96355	0.1890826	0.26995634	2.3710481	21	—	—
335368 2005 SX_{147}	17.1	X	69.70810	213.77284	191.24788	8.90733	0.2010849	0.26509839	2.3999268	21	—	—
335369 2005 SX_{150}	17.6	X	86.67277	35.46949	35.24518	3.36286	0.1847167	0.27182808	2.3601513	21	2 4.0	19.9
335370 2005 SW_{153}	18.0	X	193.64020	70.24906	209.46269	5.44184	0.2186235	0.27271346	2.3550402	21	—	—
335371 2005 SP_{163}	16.7	X	94.27295	333.95891	63.20995	4.12891	0.2387097	0.26841420	2.3801211	21	1 8.8	18.8
335372 2005 SE_{167}	17.4	X	104.15148	272.84359	145.79207	7.49721	0.2560971	0.27296068	2.3536181	21	2 26.4	19.9
335373 2005 SY_{170}	17.3	X	251.19990	14.41379	210.78199	6.95064	0.0656872	0.26932375	2.3747594	21	—	—
335374 2005 SZ_{182}	18.0	X	151.41630	350.35751	293.03883	1.29707	0.1766500	0.26329057	2.4108999	21	—	—
335375 2005 SS_{183}	17.6	X	100.56014	141.57253	270.68741	0.77081	0.1706493	0.27205294	2.3588506	21	1 28.0	19.9
335376 2005 SA_{193}	17.2	X	129.28502	329.65283	61.28911	1.99366	0.2479568	0.27150309	2.3620343	21	2 20.0	20.4
335377 2005 SM_{208}	17.3	X	140.33658	132.24294	252.70544	3.98092	0.1581858	0.27573630	2.3377968	21	2 9.7	20.5
335378 2005 SM_{210}	17.0	X	54.04300	171.11625	289.62760	4.02645	0.0883145	0.27360409	2.3499267	21	1 7.3	19.1
335379 2005 SK_{214}	16.8	X	207.15897	28.79343	275.03303	7.35316	0.2754823	0.27922651	2.3182750	21	1 10.8	20.8
335380 2005 SO_{214}	17.1	X	73.56855	161.77688	243.13551	5.25642	0.1950967	0.26542728	2.3979439	21	—	—
335381 2005 SA_{232}	17.9	X	152.65546	301.70758	15.17588	1.55049	0.1970792	0.26779120	2.3838111	21	—	—
335382 2005 SR_{233}	17.6	X	181.45831	54.45170	231.96508	0.58358	0.1713166	0.26666461	2.3905205	21	—	—
335383 2005 SG_{234}	17.0	X	110.95876	173.03182	239.16199	5.49574	0.1501788	0.27540033	2.3396977	21	2 6.3	19.7
335384 2005 SQ_{253}	17.0	X	187.05234	49.83559	267.69585	5.38456	0.1525803	0.27591500	2.3367873	21	1 5.3	20.6
335385 2005 SY_{256}	17.3	X	68.48730	28.06483	36.98136	5.96241	0.2035010	0.26938554	2.3743962	21	—	—
335386 2005 SN_{263}	17.6	X	173.66575	137.82403	189.52077	6.55519	0.2269942	0.27682016	2.3316905	21	1 9.7	21.3
335387 2005 SY_{278}	17.6	X	133.30803	108.20839	228.13282	6.32114	0.1220266	0.26707390	2.3880775	21	—	—
335388 2005 SM_{281}	16.9	X	12.95112	160.11039	117.31248	3.21083	0.1635408	0.21621365	2.7492483	21	7 24.4	19.7
335389 2005 TV_{2}	17.1	X	57.96370	161.78786	314.11123	2.42619	0.1125007	0.27682332	2.3316728	21	2 5.6	19.0
335390 2005 TW_{2}	17.2	X	44.67375	117.36964	348.87141	7.31775	0.0510087	0.27387521	2.3483757	21	—	—
335391 2005 TY_{3}	17.7	X	140.14021	231.84248	119.43711	5.97986	0.2460058	0.27219972	2.3580025	21	1 10.7	20.9
335392 2005 TF_{5}	17.5	X	151.06140	101.37958	242.25329	5.46419	0.1403535	0.27198301	2.3592549	21	—	—
335393 2005 TC_{7}	17.2	X	194.22089	71.84426	236.67284	5.24441	0.1629713	0.27442768	2.3452228	21	1 1.7	20.8
335394 2005 TZ_{13}	17.5	X	106.98991	204.88601	167.99870	1.75901	0.0910774	0.26972925	2.3723787	21	—	—
335395 2005 TU_{14}	16.8	X	159.33801	311.26800	57.08328	7.24163	0.1225663	0.27919063	2.3184736	21	2 9.7	20.1
335396 2005 TA_{17}	17.4	X	174.90433	304.10800	21.66841	2.51391	0.2305921	0.27609976	2.3357447	21	1 10.8	21.0
335397 2005 TE_{18}	17.4	X	161.99461	297.56368	54.68177	3.33484	0.2151655	0.27582649	2.3372871	21	1 31.0	20.9
335398 2005 TF_{18}	17.6	X	120.18390	253.76129	143.34716	2.54612	0.2000133	0.27355843	2.3501882	21	2 9.1	20.4
335399 2005 TM_{21}	17.6	X	112.76797	290.74117	60.24110	2.19394	0.1965822	0.26705554	2.3881870	21	—	—
335400 2005 TY_{21}	17.2	X	161.16156	289.02877	40.36978	6.49353	0.1892510	0.27384090	2.3485718	21	—	—
335401 2005 TM_{27}	17.5	X	150.86770	314.75714	44.53103	6.51056	0.2350328	0.27422295	2.3463899	21	2 1.6	21.0
335402 2005 TS_{27}	17.1	X	107.93382	239.05983	158.09357	2.43042	0.2079510	0.27054319	2.3676181	21	1 24.7	19.8
335403 2005 TB_{77}	16.9	X	121.83298	31.16366	3.65604	2.56021	0.2312128	0.27235239	2.3571212	21	2 13.9	20.0
335404 2005 TE_{86}	16.8	X	169.52470	63.48270	232.63517	7.95494	0.1774879	0.26949225	2.3737694	21	—	—
335405 2005 TW_{98}	17.0	X	216.85906	324.66100	321.54683	7.92935	0.2016886	0.27801100	2.3250273	21	—	—
335406 2005 TZ_{98}	17.0	X	157.24922	164.39502	223.61971	6.47362	0.1070494	0.28090356	2.3090388	21	2 25.1	20.2
335407 2005 TC_{108}	17.8	X	197.75290	347.05954	299.02516	3.40482	0.1988675	0.27380402	2.3487827	21	—	—
335408 2005 TM_{108}	17.8	X	204.22278	67.20126	218.43385	8.13265	0.1704673	0.27424537	2.3462620	21	—	—
335409 2005 TP_{115}	17.8	X	219.63468	282.49160	331.06350	1.83265	0.1441716	0.27017391	2.3697750	21	—	—
335410 2005 TZ_{123}	17.8	X	156.14288	103.52821	209.90652	8.53188	0.2046507	0.26933052	2.3747196	21	—	—
335411 2005 TZ_{129}	17.2	X	162.96941	244.70972	30.96522	11.03735	0.2391426	0.26388876	2.4072551	21	—	—
335412 2005 TU_{131}	17.5	X	144.05991	190.03838	191.10602	5.06488	0.1331362	0.27501296	2.3418942	21	2 6.1	20.6
335413 2005 TG_{169}	17.6	X	43.60855	90.44703	344.94647	2.14790	0.0728151	0.26556509	2.3971142	21	—	—
335414 2005 TO_{193}	16.5	X	341.34609	166.57663	270.10993	12.64905	0.1144319	0.24543126	2.5264815	21	—	—
335415 2005 UT_{1}	17.4	X	44.10939	257.37737	212.46534	5.74269	0.1311971	0.26947455	2.3738733	21	1 2.8	19.7
335416 2005 UR_{12}	17.3	X	177.23880	268.04775	99.71468	3.40880	0.2530735	0.27969872	2.3156650	21	3 6.9	21.2
335417 2005 UH_{16}	17.0	X	76.74004	309.80853	68.25837	2.19497	0.1978382	0.26248506	2.4158298	21	—	—
335418 2005 UO_{16}	17.5	X	102.80288	313.87867	73.77543	2.02965	0.1939983	0.26831340	2.3807172	21	1 2.1	19.9
335419 2005 UU_{26}	17.1	X	115.18007	138.19009	271.99167	1.56181	0.2382771	0.27290711	2.3539260	21	2 25.4	19.9
335420 2005 UA_{40}	17.0	X	132.71735	229.56935	69.24715	2.26494	0.1735673	0.25770990	2.4455806	21	—	—
335421 2005 UJ_{42}	17.6	X	142.80456	171.93308	216.77197	1.45685	0.1736506	0.27550112	2.3391270	21	2 20.5	20.8
335422 2005 UU_{48}	17.4	X	113.21914	93.36490	300.90620	1.59408	0.2019914	0.27084826	2.3658399	21	1 27.7	19.9
335423 2005 UR_{49}	17.3	X	122.86119	299.89876	41.84948	5.99251	0.2580653	0.26573690	2.3960809	21	—	—
335424 2005 UN_{52}	17.0	X	157.47105	80.01921	263.75471	4.49737	0.2441349	0.27294084	2.3537321	21	1 17.7	20.5
335425 2005 UJ_{55}	17.7	X	146.20998	70.44775	312.94211	1.74950	0.2124006	0.27487315	2.3426882	21	2 22.1	21.1
335426 2005 UA_{61}	17.6	X	146.48626	71.75245	219.63776	1.86187	0.1532855	0.25932631	2.4354076	21	—	—
335427 2005 UG_{72}	17.1	X	123.33595	33.96882	339.20232	7.22194	0.1948744	0.27012944	2.3700351	21	1 13.8	20.1
335428 2005 UB_{85}	17.4	X	46.76044	273.89343	176.00220	1.99176	0.1419812	0.26651519	2.3914138	21	—	—
335429 2005 UC_{87}	17.3	X	130.96131	87.18651	206.04641	10.19480	0.1763853	0.25975012	2.4327578	21	—	—
335430 2005 UK_{87}	17.2	X	124.21355	212.44154	165.04161	1.77254	0.1190019	0.27043053	2.3682756	21	1 7.1	19.9
335431 2005 UT_{99}	17.5	X	126.28755	221.73536	122.54116	3.51094	0.2109073	0.26635636	2.3923644	21	—	—
335432 2005 UA_{162}	17.4	X	166.70607	232.97379	125.43696	4.45151	0.2269126	0.27698920	2.3307417	21	2 12.2	21.1
335433 2005 UW_{163}	17.6	X	25.43427	183.89740	290.18742	1.61769	0.1481778	0.26658864	2.3909746	21	—	—
335434 2005 UY_{170}	17.1	X	35.54992	51.77478	24.15073	3.55413	0.0660227	0.26223318	2.4173764	21	—	—
335435 2005 UZ_{207}	17.8	X	140.08485	171.28184	156.60970	1.39895	0.1945440	0.26717271	2.3874886	21	—	—
335436 2005 UR_{215}	17.3	X	128.26181	184.00592	188.76429	1.99260	0.2180687	0.27077716	2.3662540	21	1 20.9	20.3
335437 2005 UL_{223}	16.6	X	198.63812	295.57401	232.64705	11.02998	0.1332253	0.24401682	2.5362353	21	10 13.8	20.5
335438 2005 UQ_{282}	17.2	X	155.08529	172.21525	81.75896	3.39329	0.1440844	0.25567297	2.4585526	21	12 19.6	21.1
335439 2005 UP_{296}	16.5	X	98.96930	111.15996	228.13563	9.81839	0.0765192	0.25784412	2.4447319	21	—	—
335440 2005 UA_{303}	17.0	X	178.67156	238.36644	105.52850	6.07033	0.2574509	0.27534382	2.3400178	21	2 7.4	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335441 2005 US_{304}	17.6	X	42.20745	318.15015	122.99787	5.83335	0.2014947	0.26245137	2.4160365	21	—	—
335442 2005 UH_{311}	16.6	X	193.18634	8.06768	219.15766	14.10806	0.0611156	0.25710282	2.4494288	21	12 30.8	20.2
335443 2005 UZ_{316}	17.8	X	223.11706	44.34793	268.95351	2.38171	0.2142632	0.28554237	2.2839627	21	2 1.2	21.6
335444 2005 UY_{350}	16.8	X	128.81917	123.57844	251.29808	6.83903	0.1258833	0.27158478	2.3615606	21	1 9.8	19.7
335445 2005 UV_{354}	16.7	X	9.11553	157.75488	284.63992	6.65326	0.1137879	0.25856782	2.4401680	21	—	—
335446 2005 US_{392}	17.8	X	135.54261	284.80997	80.97957	2.53752	0.0811114	0.27221804	2.3578967	21	—	—
335447 2005 UM_{393}	17.1	X	143.63446	200.92702	164.96839	6.99931	0.1704450	0.27220279	2.3579848	21	1 22.6	20.4
335448 2005 UH_{397}	17.7	X	131.93049	276.19935	110.55052	2.21484	0.1939960	0.27280042	2.3545398	21	2 9.7	20.7
335449 2005 UM_{421}	17.9	X	175.95607	58.23337	229.79496	3.79523	0.2289968	0.26759955	2.3849492	21	—	—
335450 2005 UO_{431}	17.6	X	350.70553	254.86933	203.68675	4.41854	0.0716097	0.25709770	2.4494613	21	—	—
335451 2005 UR_{454}	17.0	X	166.52854	281.98468	64.02775	8.25506	0.2952616	0.27511162	2.3413343	21	2 4.5	21.0
335452 2005 UD_{456}	14.6	X	318.21578	163.60205	296.42520	7.48716	0.2344844	0.12595056	3.9415706	21	11 22.5	19.1
335453 2005 UC_{508}	15.1	X	63.02293	88.70996	203.33048	13.70556	0.2227131	0.12518061	3.9577165	21	10 29.4	20.7
335454 2005 UL_{508}	17.7	X	198.93583	115.57008	222.05032	1.85962	0.1455906	0.27470737	2.3436307	21	2 10.0	21.3
335455 2005 UO_{518}	15.7	X	38.27977	209.24659	103.17324	10.01282	0.2739332	0.12341500	3.9953738	21	11 1.4	20.9
335456 2005 UX_{520}	18.2	X	168.36691	79.92311	192.30855	4.58190	0.1921137	0.26674862	2.3900185	21	—	—
335457 2005 VB_{3}	17.2	X	111.46254	290.26685	92.74603	2.34307	0.1382308	0.26852884	2.3794436	21	—	—
335458 2005 VB_{6}	17.5	X	96.67984	220.63284	170.70814	5.19872	0.2365595	0.26704852	2.3882288	21	1 3.7	19.8
335459 2005 VZ_{27}	17.1	X	355.37938	150.50184	3.89521	2.70779	0.0259376	0.27041491	2.3683668	21	—	—
335460 2005 VY_{38}	16.5	X	23.85016	28.24060	70.95214	12.74742	0.1655788	0.26175187	2.4203389	21	—	—
335461 2005 VB_{61}	17.5	X	135.26406	276.46484	76.66483	6.92220	0.2369723	0.26998803	2.3708625	21	1 7.4	20.6
335462 2005 VC_{87}	17.6	X	122.26548	158.44123	134.17205	1.42866	0.1953869	0.25665587	2.4522717	21	—	—
335463 2005 VH_{89}	17.5	X	160.16936	167.76145	122.35810	4.76561	0.0835147	0.25960413	2.4336698	21	—	—
335464 2005 VY_{118}	16.3	X	172.25554	78.36242	286.01770	20.82270	0.2003420	0.27842814	2.3227045	21	2 12.9	20.3
335465 2005 VS_{135}	16.9	X	148.20730	53.21981	256.32565	6.27611	0.1557968	0.26133159	2.4229332	21	—	—
335466 2005 WQ	17.4	X	65.01741	358.84082	70.74544	2.29727	0.1674044	0.26466356	2.4025547	21	—	—
335467 2005 WB_{27}	17.4	X	105.24602	350.15558	336.24868	0.72106	0.1949289	0.25707862	2.4495825	21	—	—
335468 2005 WU_{35}	17.2	X	85.34310	137.30250	246.03964	5.62737	0.1564073	0.26109004	2.4244274	21	—	—
335469 2005 WB_{63}	16.1	X	196.19258	248.92654	265.21902	12.43336	0.1209717	0.23523119	2.5989990	21	9 19.1	20.4
335470 2005 WU_{63}	16.6	X	68.53808	270.28869	143.43202	14.52150	0.1429546	0.26417221	2.4055329	21	—	—
335471 2005 WX_{68}	16.7	X	167.94120	294.34842	249.67760	12.44687	0.0900735	0.23704062	2.5857560	21	9 30.6	20.9
335472 2005 WW_{88}	17.5	X	82.15370	69.77093	345.32629	1.39304	0.1311434	0.26597500	2.3946507	21	—	—
335473 2005 WE_{94}	18.2	X	108.08079	164.78791	239.95570	0.82728	0.1774967	0.26832759	2.3806333	21	1 31.0	20.8
335474 2005 WS_{94}	17.1	X	96.40126	276.06049	95.04089	4.20218	0.2033298	0.26189722	2.4194433	21	—	—
335475 2005 WD_{96}	17.4	X	90.54822	250.20864	85.25574	2.44849	0.2019081	0.25478565	2.4642574	21	—	—
335476 2005 WB_{99}	16.5	X	187.53992	293.20861	251.92153	13.00315	0.1385777	0.23957596	2.5674809	21	10 22.1	20.7
335477 2005 WL_{103}	17.2	X	108.83908	278.60321	97.06729	6.25670	0.1865361	0.26703506	2.3883091	21	—	—
335478 2005 WR_{112}	17.1	X	308.51938	190.68407	260.84520	4.88416	0.0894270	0.24255192	2.5464368	21	12 7.1	19.9
335479 2005 WA_{114}	17.7	X	350.42889	274.52341	182.84215	0.71784	0.1564730	0.25813855	2.4428725	21	—	—
335480 2005 WY_{129}	17.7	X	115.22575	314.13561	65.25897	2.97194	0.1750239	0.26707954	2.3880439	21	1 7.3	20.3
335481 2005 WJ_{138}	17.4	X	40.76684	196.01715	250.45375	2.51171	0.0960434	0.26284147	2.4136453	21	—	—
335482 2005 WC_{140}	17.2	X	6.91628	353.65678	39.01358	1.29276	0.1252431	0.24566258	2.5248953	21	12 26.4	20.0
335483 2005 WF_{144}	17.1	X	337.19556	334.42382	141.68857	5.81717	0.1710252	0.25516199	2.4618338	21	—	—
335484 2005 WZ_{149}	17.4	X	131.66516	25.20116	1.69930	2.62229	0.2439085	0.27098801	2.3650264	21	2 16.7	20.5
335485 2005 WD_{154}	17.4	X	88.45995	304.15620	64.31276	5.91993	0.2022427	0.25985857	2.4320809	21	—	—
335486 2005 WO_{177}	16.0	X	126.50987	303.18055	280.59588	13.73832	0.1417829	0.23241076	2.6199835	21	10 7.4	20.4
335487 2005 WF_{194}	16.8	X	115.54983	295.80796	57.56967	8.08266	0.1260720	0.26342643	2.4100709	21	—	—
335488 2005 WZ_{203}	16.2	X	116.13679	317.62461	293.64593	9.36012	0.0608334	0.23294149	2.6160025	21	10 28.8	20.1
335489 2005 WL_{210}	18.3	X	94.25142	34.56434	359.93486	1.35302	0.1888464	0.26517935	2.3994383	21	—	—
335490 2005 XG_{5}	13.1	X	188.41154	94.22816	344.21380	32.83116	0.0316101	0.08263304	5.2203572	21	6 17.0	20.6
335491 2005 XR_{24}	17.0	X	284.01474	233.87577	277.05110	19.16296	0.0560111	0.37625220	1.9002760	21	—	—
335492 2005 XC_{51}	16.5	X	79.17146	8.92605	305.68992	8.68792	0.1047051	0.24421044	2.5348946	21	12 15.7	20.2
335493 2005 XU_{55}	17.2	X	124.23672	78.01900	269.96755	4.05335	0.1440926	0.26256283	2.4153527	21	—	—
335494 2005 XS_{86}	17.3	X	58.84652	357.99604	31.03020	1.75325	0.1822800	0.25562870	2.4588364	21	—	—
335495 2005 XZ_{114}	16.6	X	242.68438	243.41484	281.52527	6.58280	0.0708572	0.24604248	2.5222956	21	12 10.7	19.9
335496 2005 XK_{115}	16.6	X	72.69484	343.03026	305.75100	3.55359	0.0697021	0.23065079	2.6332944	21	10 27.9	20.2
335497 2005 YK_{5}	16.9	X	105.04771	294.17625	22.80012	2.64790	0.1936341	0.25338525	2.4733287	21	—	—
335498 2005 YX_{16}	17.2	X	279.63992	86.98074	115.76254	21.98148	0.0723383	0.38076833	1.8852206	21	—	—
335499 2005 YB_{28}	17.2	X	69.93779	14.99177	345.14028	2.29797	0.2596312	0.25185539	2.4833344	21	—	—
335500 2005 YQ_{29}	17.2	X	98.13234	202.54872	116.38363	2.29779	0.1704856	0.25419161	2.4680952	21	—	—
335501 2005 YX_{49}	16.7	X	79.47415	197.22129	169.23363	5.51393	0.1927613	0.25414246	2.4684134	21	—	—
335502 2005 YT_{53}	16.3	X	68.07964	199.57902	112.40185	12.95038	0.1867334	0.23746084	2.5827045	21	12 10.2	20.2
335503 2005 YJ_{55}	16.4	X	225.48176	198.61726	300.23412	13.91649	0.1910217	0.23407137	2.6075773	21	9 22.2	20.8
335504 2005 YN_{65}	16.8	X	79.14308	34.36578	294.45451	5.50515	0.1147110	0.24582154	2.5238067	21	—	—
335505 2005 YZ_{72}	17.0	X	122.79458	300.06822	42.92639	1.78145	0.2087308	0.25927375	2.4357368	21	—	—
335506 2005 YR_{93}	16.6	X	327.63392	190.06263	259.93035	10.33572	0.0603247	0.24506922	2.5289691	21	—	—
335507 2005 YF_{114}	17.1	X	65.12136	264.42105	75.98738	4.19272	0.0579454	0.24358691	2.5392186	21	12 25.9	20.4
335508 2005 YJ_{142}	16.9	X	15.77812	324.18393	354.23215	1.88117	0.0815874	0.23099082	2.6307095	21	9 20.8	20.0
335509 2005 YB_{143}	13.4	X	315.76465	334.39889	317.84126	17.67852	0.0795510	0.08446826	5.1444666	21	5 12.5	20.3
335510 2005 YO_{144}	17.5	X	247.36507	302.03083	298.88287	16.55099	0.0394679	0.38272264	1.8787974	21	—	—
335511 2005 YA_{145}	17.7	X	39.43953	323.41209	97.13564	3.69285	0.1681001	0.25382049	2.4705004	21	—	—
335512 2005 YF_{168}	17.2	X	38.42114	143.30016	243.78576	2.44522	0.1033693	0.24777224	2.5105427	21	—	—
335513 2005 YR_{169}	16.9	X	245.14342	290.09776	280.94429	19.83471	0.0390129	0.37758137	1.8958138	21	—	—
335514 2005 YW_{169}	16.4	X	108.54836	22.74477	265.88158	8.65803	0.1233704	0.24198768	2.5503936	21	12 15.4	20.2
335515 2005 YP_{182}	16.3	X	260.51612	241.88488	244.53721	6.69492	0.1425444	0.23994846	2.5648230	21	11 1.0	19.7
335516 2005 YT_{199}	16.0	X	247.49151	4.25673	147.51999	10.43779	0.0623265	0.23546874	2.5972508	21	12 1.4	19.6
335517 2005 YZ_{206}	16.2	X	230.33320	341.07810	142.20956	12.68580	0.1337195	0.22875220	2.6478448	21	9 24.7	20.1
335518 2005 YC_{211}	16.0	X	226.43932	197.25710	296.64509	13.24657	0.0999014	0.23198460	2.6231912	21	9 27.1	20.1
335519 2005 YZ_{217}	17.8	X	118.00345	171.84538	218.31362	0.97464	0.2158404	0.27077311	2.3662776	21	1 30.7	20.6
335520 2005 YT_{241}	17.1	X	153.97870	165.33234	67.91825	5.20378	0.0617517	0.24092087	2.5579169	21	11 22.8	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335521 2005 YB_{257}	15.9	X	146.81710	259.27713	278.46298	11.39068	0.1062230	0.22480863	2.6787205	21	8 29.8	20.2
335522 2005 YA_{268}	16.6	X	310.22443	132.70438	294.98101	11.03041	0.0515451	0.23722827	2.5843922	21	11 4.1	20.0
335523 2006 AY_{13}	17.0	X	168.85496	43.69147	128.14456	4.82776	0.0668983	0.22780893	2.6551490	21	9 22.5	20.9
335524 2006 AK_{23}	16.8	X	58.24022	213.12829	112.34793	8.28505	0.2422061	0.24042297	2.5614472	21	12 22.1	20.5
335525 2006 AZ_{23}	16.5	X	333.57963	108.89356	309.41803	21.68903	0.1154708	0.23967963	2.5667405	21	12 1.4	19.8
335526 2006 AD_{25}	16.6	X	172.42128	281.14451	294.28762	7.67075	0.1114793	0.23834984	2.5762785	21	11 16.1	20.6
335527 2006 AV_{27}	16.9	X	352.31118	131.97529	303.29369	4.65521	0.0995121	0.24423326	2.5347367	21	—	—
335528 2006 AN_{31}	16.0	X	109.44821	250.83027	296.79843	12.97683	0.0551553	0.22263129	2.6961574	21	7 30.6	19.7
335529 2006 AE_{57}	17.0	X	138.09738	210.89865	2.63404	0.91059	0.0680722	0.23265643	2.6181389	21	10 9.8	20.8
335530 2006 AH_{59}	16.5	X	33.36840	287.25876	296.31533	6.34791	0.1663094	0.21193222	2.7861515	21	6 15.2	19.4
335531 2006 AA_{72}	17.0	X	78.47991	226.06795	150.56508	2.53670	0.2021398	0.25338389	2.4733375	21	—	—
335532 2006 AT_{81}	15.6	X	225.38779	168.93847	333.11902	33.10908	0.1518556	0.23130999	2.6282890	21	9 20.5	20.1
335533 2006 AH_{83}	15.7	X	159.29847	232.77439	313.42098	13.20952	0.1888312	0.22674911	2.6634159	21	9 22.1	20.4
335534 2006 AA_{86}	16.2	X	223.38177	4.38549	116.46042	12.98118	0.1345260	0.22874566	2.6478953	21	9 15.2	20.3
335535 2006 AW_{93}	16.2	X	292.13990	71.64711	337.68168	11.42906	0.0784323	0.22591228	2.6699891	21	9 10.8	19.6
335536 2006 AJ_{100}	16.4	X	55.68637	16.02053	312.88408	10.20503	0.1123489	0.23742615	2.5829561	21	12 5.2	20.0
335537 2006 AE_{105}	13.2	X	260.94656	37.47949	311.17928	5.51268	0.0223206	0.08259250	5.2220656	21	5 23.9	20.2
335538 2006 BK_{2}	16.4	X	257.01565	126.23881	306.25541	8.03637	0.0373841	0.22715625	2.6602324	21	8 29.3	20.0
335539 2006 BT_{5}	17.1	X	147.21830	52.80390	320.10847	33.83022	0.0819595	0.38736368	1.8637606	21	1 9.7	19.4
335540 2006 BY_{5}	16.7	X	43.43261	165.30639	246.53470	4.91940	0.1645165	0.25350166	2.4725714	21	—	—
335541 2006 BC_{32}	16.5	X	133.01508	229.58788	323.17215	10.65194	0.1335943	0.22239800	2.6980426	21	9 7.9	20.8
335542 2006 BL_{33}	16.3	X	313.31129	318.22274	140.77644	12.60125	0.1431948	0.23981144	2.5657999	21	12 24.2	19.0
335543 2006 BO_{43}	17.5	X	103.45924	227.81061	146.16447	23.57430	0.0722378	0.37996997	1.8878604	21	—	—
335544 2006 BK_{62}	17.3	X	231.37471	223.80688	346.14936	20.16437	0.0443479	0.37188226	1.9151336	21	—	—
335545 2006 BA_{69}	16.9	X	184.58171	160.38935	7.72010	4.83713	0.0725206	0.22953303	2.6418364	21	10 3.3	20.5
335546 2006 BT_{78}	16.9	X	13.33578	312.18255	337.02479	6.52957	0.0657901	0.21845669	2.7303971	21	8 5.8	20.1
335547 2006 BA_{90}	17.4	X	240.93733	3.32075	125.47001	3.68677	0.0571253	0.23293028	2.6160864	21	10 23.9	20.8
335548 2006 BP_{98}	15.3	X	1.64365	39.66615	343.97613	32.39206	0.1937275	0.23411885	2.6072247	21	12 7.1	19.0
335549 2006 BC_{114}	17.3	X	9.57259	288.04739	108.21544	2.53339	0.0887996	0.24152457	2.5536528	21	12 29.0	20.4
335550 2006 BX_{123}	16.6	X	33.53894	165.50743	144.37999	3.79974	0.1689394	0.22407689	2.6845490	21	10 20.3	19.8
335551 2006 BZ_{125}	16.1	X	320.58038	264.56972	152.42234	22.43104	0.0484218	0.23296556	2.6158223	21	11 15.0	19.9
335552 2006 BS_{129}	16.3	X	56.32202	74.86859	142.42778	13.33711	0.1508070	0.21184833	2.7868869	21	7 13.6	19.9
335553 2006 BK_{133}	16.7	X	288.50349	65.48395	317.36856	4.46198	0.0856447	0.22034359	2.7147871	21	7 31.4	20.2
335554 2006 BO_{142}	16.0	X	29.20066	323.82794	325.85795	12.54729	0.1024220	0.22115487	2.7081437	21	9 1.4	19.3
335555 2006 BG_{149}	16.0	X	2.48648	72.46442	296.51435	29.59239	0.0662034	0.23631342	2.5910579	21	10 26.8	20.0
335556 2006 BV_{157}	16.5	X	294.82108	17.28501	349.38716	6.31888	0.0306635	0.21730155	2.7400648	21	7 27.8	20.1
335557 2006 BQ_{193}	14.2	X	325.14086	96.99231	212.28198	2.47193	0.0577773	0.08612313	5.0783526	21	6 20.4	20.7
335558 2006 BC_{194}	13.8	X	298.20000	156.63405	154.12456	12.45062	0.0659821	0.08265866	5.2192784	21	5 21.9	20.7
335559 2006 BL_{220}	17.0	X	183.87179	193.57561	345.33719	3.69361	0.0356054	0.23177298	2.6247877	21	10 17.7	20.6
335560 2006 BT_{228}	16.9	X	357.17969	237.23934	103.82777	5.63427	0.1586796	0.22997453	2.6384541	21	9 30.7	19.6
335561 2006 BU_{249}	12.9	X	310.92931	350.41683	305.83202	9.58278	0.0613437	0.08395707	5.1653274	21	5 16.1	19.7
335562 2006 BP_{252}	17.2	X	347.13637	123.58722	315.74292	5.14485	0.1174478	0.24414024	2.5353804	21	—	—
335563 2006 BQ_{253}	16.1	X	330.53251	346.55216	321.64046	5.88767	0.0508891	0.21493201	2.7601668	21	6 25.3	19.6
335564 2006 BL_{262}	16.9	X	31.68768	257.75821	350.62335	3.81503	0.1500629	0.21164174	2.7887002	21	7 17.3	19.9
335565 2006 BO_{267}	16.1	X	128.62721	222.68203	349.10843	10.70481	0.2070937	0.22365494	2.6879244	21	10 1.6	20.7
335566 2006 CJ_{1}	16.6	X	51.71274	294.60275	315.48048	10.66148	0.1602803	0.21858331	2.7293425	21	8 21.8	20.0
335567 2006 CK_{5}	12.8	X	305.34932	331.65322	334.59513	27.08085	0.0750618	0.08189238	5.2517866	21	5 11.5	20.0
335568 2006 CG_{20}	16.4	X	23.17998	359.99798	304.52774	11.06175	0.1375166	0.22534471	2.6744704	21	9 13.7	19.6
335569 2006 CR_{22}	16.3	X	243.60330	123.46665	345.78428	12.94158	0.2200879	0.22924320	2.6440626	21	9 7.7	20.2
335570 2006 CB_{39}	16.4	X	305.49602	193.17133	274.95618	3.90467	0.0794237	0.23943700	2.5684742	21	12 24.6	19.2
335571 2006 CB_{40}	16.2	X	140.10470	195.76296	344.51438	13.47689	0.1328879	0.21969476	2.7201295	21	9 2.6	20.5
335572 2006 CC_{47}	16.5	X	268.95046	349.03425	128.91813	7.31431	0.1328914	0.23708202	2.5854549	21	11 6.9	19.7
335573 2006 CQ_{47}	16.9	X	42.09648	229.60063	125.32042	3.28147	0.1021752	0.23940233	2.5687222	21	12 21.3	20.3
335574 2006 CJ_{51}	13.3	X	280.14565	185.38494	143.09945	7.77590	0.0482717	0.08450075	5.1431480	21	5 22.3	20.2
335575 2006 DH_{2}	16.4	X	218.75245	110.97397	333.17299	2.30691	0.0785667	0.21984332	2.7189039	21	7 24.8	20.4
335576 2006 DC_{4}	16.5	X	147.91558	170.57655	347.29246	6.00231	0.0611893	0.21738057	2.7394007	21	8 10.2	20.5
335577 2006 DE_{4}	16.4	X	169.50721	11.06188	159.02675	5.38408	0.1772849	0.22331803	2.6906272	21	9 18.1	20.8
335578 2006 DK_{13}	16.2	X	265.09591	164.43381	291.98461	7.11855	0.0925104	0.23070083	2.6329136	21	10 1.7	19.9
335579 2006 DK_{20}	17.4	X	301.23146	317.20931	108.13128	3.36735	0.0308032	0.23145296	2.6272066	21	10 25.3	20.7
335580 2006 DQ_{22}	16.6	X	145.83260	200.34744	358.21615	6.43831	0.0282404	0.22430114	2.6827595	21	9 26.9	20.3
335581 2006 DM_{23}	16.4	X	294.89115	28.06244	354.63874	6.34641	0.0672931	0.22082154	2.7108683	21	8 13.9	19.9
335582 2006 DJ_{29}	16.6	X	280.47914	331.32760	103.75272	3.94603	0.0906222	0.23058799	2.6337725	21	10 1.5	19.9
335583 2006 DR_{40}	16.5	X	107.12498	88.77990	141.72091	11.79509	0.0315054	0.22275465	2.6951620	21	9 24.2	20.3
335584 2006 DL_{41}	17.2	X	224.43919	255.69838	246.69943	7.55778	0.1526793	0.29483168	2.2357331	21	10 11.6	20.4
335585 2006 DC_{57}	16.6	X	268.39511	271.42091	170.50975	6.44299	0.0867124	0.22568357	2.6717926	21	9 21.7	20.1
335586 2006 DF_{61}	16.5	X	298.49949	289.13872	351.01485	6.60233	0.0770789	0.19737027	2.9215606	21	3 30.5	20.5
335587 2006 DG_{66}	15.9	X	35.25487	156.09905	82.50778	10.69383	0.0901966	0.21161559	2.7889300	21	7 1.4	19.3
335588 2006 DU_{67}	15.5	X	98.38599	241.74228	328.70621	12.43801	0.1239647	0.21603212	2.7507883	21	8 25.5	19.3
335589 2006 DF_{88}	16.5	X	40.20594	274.33856	352.02720	9.46616	0.0798630	0.21481817	2.7611417	21	8 18.6	20.0
335590 2006 DV_{123}	16.4	X	329.12778	238.10467	165.48340	13.85210	0.0791719	0.23138966	2.6276857	21	11 6.5	19.7
335591 2006 DY_{131}	17.0	X	297.69852	49.27882	54.58777	3.49736	0.1684048	0.23821582	2.5772447	21	11 27.5	19.5
335592 2006 DE_{133}	17.0	X	316.04209	237.09003	128.67059	6.81347	0.0825472	0.22147789	2.7055099	21	8 19.9	20.2
335593 2006 DM_{140}	16.2	X	66.65582	90.38823	133.54780	6.99964	0.1527055	0.21166053	2.7885352	21	8 7.9	19.8
335594 2006 DL_{153}	16.9	X	307.40710	200.80101	193.14517	10.72146	0.0691488	0.22217501	2.6998476	21	9 13.5	20.2
335595 2006 DV_{155}	15.9	X	103.62878	196.49885	317.36195	7.98943	0.0584401	0.21227822	2.7831231	21	6 9.1	19.8
335596 2006 DA_{160}	16.6	X	263.16290	9.03953	349.61806	5.49199	0.0567007	0.20978147	2.8051621	21	5 28.1	20.5
335597 2006 DM_{171}	16.5	X	329.84758	1.51529	18.96945	6.39745	0.0789371	0.22490206	2.6779785	21	10 2.6	19.7
335598 2006 DD_{202}	16.0	X	171.29581	34.16102	62.01520	4.83125	0.0653143	0.21356981	2.7718909	21	6 16.0	19.9
335599 2006 DY_{216}	15.8	X	24.20658	359.28180	335.67263	9.46312	0.1453815	0.22913001	2.6449333	21	10 30.9	19.1
335600 2006 EO_{1}	16.2	X	87.59119	234.59917	7.12889	7.73723	0.0261477	0.22107873	2.7087655	21	9 11.4	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335601 2006 EX_{17}	16.8	X	319.62208	224.36606	176.25370	11.87006	0.1584859	0.22735747	2.6586626	21	10 9.9	19.5
335602 2006 EO_{20}	16.6	X	21.54697	43.11188	337.72151	13.96545	0.0105134	0.23863566	2.5742209	21	12 13.6	20.3
335603 2006 EY_{23}	16.7	X	269.07139	16.66008	339.69957	5.06795	0.0193165	0.21148810	2.7900506	21	6 7.9	20.5
335604 2006 EH_{33}	16.7	X	287.85307	239.72448	180.63486	12.36731	0.1097407	0.22629872	2.6669486	21	9 16.0	19.9
335605 2006 EW_{34}	16.7	X	152.96917	144.13044	17.26827	8.44890	0.1070389	0.21724824	2.7405130	21	8 24.3	21.0
335606 2006 EK_{42}	16.2	X	313.06781	41.22871	301.96007	3.92775	0.0508446	0.21358245	2.7717816	21	7 17.4	19.6
335607 2006 EW_{42}	16.3	X	339.63602	127.43320	210.93162	5.81673	0.0132035	0.21739359	2.7392914	21	8 18.7	20.0
335608 2006 EN_{52}	16.6	X	77.27141	87.93870	154.20326	11.10850	0.0840007	0.22118474	2.7078999	21	9 6.1	20.1
335609 2006 EA_{53}	16.9	X	33.73090	265.08550	4.63868	3.72613	0.0582537	0.21388883	2.7691340	21	8 9.3	20.4
335610 2006 EL_{63}	16.7	X	123.22606	191.14381	351.95979	12.46210	0.1121379	0.21456202	2.7633389	21	8 20.6	20.9
335611 2006 EW_{71}	16.4	X	330.55596	296.46458	25.58855	4.01012	0.0929983	0.21120247	2.7925656	21	7 11.3	19.8
335612 2006 EN_{74}	16.4	X	232.75128	116.74396	338.40701	9.90273	0.1258602	0.22188135	2.7022292	21	8 20.3	20.4
335613 2006 FM_{9}	15.3	X	297.52778	251.65472	315.18644	23.92544	0.3145336	0.18344412	3.0676103	21	—	—
335614 2006 FG_{15}	16.8	X	41.34863	87.17063	193.90560	0.66042	0.0551128	0.21942198	2.7223834	21	9 3.5	20.1
335615 2006 FF_{18}	16.4	X	201.41442	287.20405	191.90270	6.86932	0.0958034	0.21610540	2.7501664	21	8 15.9	20.6
335616 2006 FG_{33}	16.3	X	109.13563	1.90971	209.06788	7.87135	0.0801100	0.21327908	2.7744094	21	8 31.1	20.4
335617 2006 FQ_{42}	16.2	X	303.81364	350.39589	38.75180	8.75102	0.1678727	0.21779253	2.7359425	21	8 24.9	19.5
335618 2006 GE_{11}	16.7	X	346.06568	152.79784	114.12108	3.11034	0.0149365	0.20332327	2.8642527	21	5 25.9	20.6
335619 2006 GJ_{21}	16.6	X	340.87624	43.23139	359.95070	9.86002	0.1635020	0.23165492	2.6256794	21	11 21.9	19.4
335620 2006 GZ_{26}	15.8	X	221.94475	247.75516	34.14417	25.94807	0.3272743	0.17574586	3.1565499	21	1 10.4	22.0
335621 2006 GA_{37}	16.7	X	198.89800	54.69037	48.51851	4.54278	0.0590986	0.21272281	2.7792440	21	7 28.9	20.7
335622 2006 HM_{4}	16.2	X	320.62941	136.52510	103.22478	2.83420	0.1675544	0.19059344	2.9904101	21	2 26.9	20.0
335623 2006 HZ_{4}	16.5	X	248.26962	282.76981	201.20497	7.39533	0.0937747	0.22633878	2.6666340	21	10 19.2	20.1
335624 2006 HW_{26}	16.0	X	252.90798	169.57886	135.69304	9.55490	0.1614512	0.18541509	3.0458324	21	3 5.3	20.9
335625 2006 HD_{27}	16.2	X	356.20308	51.21833	170.75965	9.80971	0.2408503	0.19278713	2.9676820	21	3 25.1	19.1
335626 2006 HC_{51}	16.0	X	82.02054	344.43210	243.03498	11.16402	0.0888132	0.21139415	2.7908773	21	8 17.8	20.1
335627 2006 HW_{62}	16.7	X	354.01359	148.22099	86.66497	3.19709	0.0559761	0.19574742	2.9376858	21	4 23.6	20.5
335628 2006 HH_{69}	15.5	X	225.62306	249.25552	52.04980	14.84052	0.3015927	0.17747200	3.1360488	21	2 5.3	21.4
335629 2006 HF_{153}	15.8	X	298.01281	94.82091	138.28220	10.36807	0.0582262	0.18418077	3.0594253	21	2 5.8	19.9
335630 2006 JM_{3}	16.3	X	3.86953	199.74368	37.27670	1.55697	0.0761340	0.19802994	2.9150688	21	5 8.9	19.8
335631 2006 JY_{11}	15.9	X	198.27151	186.79041	129.42111	6.40773	0.1787389	0.17682562	3.1436866	21	1 29.5	21.1
335632 2006 JY_{15}	16.2	X	265.04696	333.47356	40.06951	2.52166	0.0905876	0.20443400	2.8538686	21	6 15.7	20.1
335633 2006 JN_{20}	16.0	X	215.66459	243.27884	86.58390	15.24937	0.1950610	0.18254711	3.0776513	21	3 5.4	21.4
335634 2006 JR_{20}	16.2	X	263.62611	144.31846	182.18870	11.80840	0.0665860	0.19299719	2.9655282	21	4 20.2	20.5
335635 2006 JB_{28}	16.1	X	243.60970	149.87600	196.20681	16.56885	0.2473534	0.18959702	3.0008783	21	4 5.7	21.3
335636 2006 JZ_{35}	16.6	X	259.19368	187.04129	124.43312	3.39980	0.2750623	0.18581783	3.0414298	21	3 8.4	21.6
335637 2006 KP_{6}	16.4	X	200.55973	258.21442	69.05130	0.30024	0.1574140	0.17970770	3.1099848	21	2 12.4	21.5
335638 2006 KQ_{19}	15.9	X	224.12569	241.96646	124.08046	5.19862	0.1539114	0.19225974	2.9731066	21	4 20.3	20.7
335639 2006 KR_{19}	15.8	X	235.91104	100.61348	214.72431	15.39988	0.2859770	0.18101696	3.0949706	21	2 18.1	21.5
335640 2006 KC_{28}	16.4	X	227.92231	209.90318	232.34302	12.42207	0.1676149	0.21090205	2.7952170	21	7 20.3	21.0
335641 2006 KD_{32}	16.4	X	311.77280	284.68393	8.22230	1.58458	0.0643012	0.19655289	2.9296547	21	5 6.7	20.1
335642 2006 KH_{36}	16.9	X	279.18539	98.43205	176.95113	13.75273	0.1927572	0.18709428	3.0275805	21	2 16.3	21.6
335643 2006 KM_{43}	16.8	X	274.85440	97.36572	165.36061	1.61397	0.1605828	0.18298351	3.0727561	21	2 2.9	21.6
335644 2006 KQ_{52}	16.1	X	263.87337	95.54709	222.14219	12.09051	0.1716805	0.18891167	3.0081318	21	3 24.4	21.0
335645 2006 KP_{55}	16.0	X	234.54961	107.96918	173.23716	16.62143	0.2106821	0.17645062	3.1481392	21	1 16.4	21.5
335646 2006 KC_{64}	16.3	X	211.84170	250.50939	94.31971	10.14228	0.1141157	0.18673744	3.0314363	21	3 19.1	21.2
335647 2006 KU_{69}	16.4	X	281.97593	109.35187	204.50839	10.76481	0.1480613	0.19249142	2.9707205	21	4 13.4	20.7
335648 2006 KB_{111}	16.5	X	258.03475	63.84469	249.62051	8.62179	0.0614130	0.19005765	2.9960276	21	3 23.7	21.1
335649 2006 KG_{119}	16.1	X	252.30273	166.35116	168.56636	10.06070	0.0756831	0.19147596	2.9812144	21	4 17.2	20.5
335650 2006 LE_{3}	15.8	X	165.74662	224.90870	139.43607	13.35671	0.0399471	0.18304729	3.0720423	21	2 16.8	20.1
335651 2006 OK	15.7	X	225.77772	359.26655	300.60765	14.25855	0.2243662	0.17294874	3.1904929	21	1 31.1	21.2
335652 2006 OF_{11}	15.6	X	270.89650	314.18155	314.21070	13.45741	0.2221619	0.17651253	3.1474030	21	2 1.4	20.7
335653 2006 PU_{1}	15.3	X	202.65023	82.32099	279.53731	18.84653	0.2150342	0.17675001	3.1445832	21	3 15.7	21.1
335654 2006 PY_{3}	15.0	X	203.41691	1.37316	334.28962	28.40823	0.1631926	0.17234442	3.1979468	21	2 24.4	20.4
335655 2006 PE_{29}	15.5	X	233.04922	159.64618	135.98754	18.14250	0.1931590	0.17321410	3.1872336	21	2 3.0	20.9
335656 2006 QL_{5}	15.0	X	244.43635	319.51484	331.57228	22.00039	0.1396536	0.17097515	3.2149981	21	2 12.9	20.1
335657 2006 QU_{19}	14.9	X	216.92951	175.54211	157.86025	22.31266	0.1980468	0.17395792	3.1781416	21	3 5.4	20.3
335658 2006 QC_{69}	16.3	X	179.43083	346.98470	110.39569	1.59624	0.1788152	0.18367150	3.0650780	21	6 27.8	21.3
335659 2006 RZ_{25}	15.6	X	158.18340	247.32211	169.42673	19.16012	0.2093680	0.17307691	3.1889176	21	4 27.3	21.1
335660 2006 SX_{1}	15.2	X	136.58319	39.71992	285.39222	10.62593	0.0463935	0.15324140	3.4584803	21	—	—
335661 2006 SE_{63}	15.8	X	251.55574	319.52710	19.28949	9.92060	0.0788652	0.17740864	3.1367955	21	4 18.7	20.4
335662 2006 SZ_{128}	15.4	X	202.23638	152.90723	254.12833	11.04391	0.2762716	0.17460127	3.1703298	21	5 15.3	21.2
335663 2006 SP_{135}	15.0	X	142.14717	91.27776	277.37372	7.34270	0.0995922	0.16148768	3.3397179	21	2 3.1	20.1
335664 2006 SK_{139}	17.8	X	223.68215	274.44773	104.73863	6.29317	0.1585602	0.30904264	2.1666584	21	4 28.6	21.0
335665 2006 SA_{152}	15.9	X	214.83363	139.49044	219.30757	5.10617	0.0397848	0.17038503	3.2224172	21	4 5.9	20.8
335666 2006 SQ_{171}	15.2	X	105.86943	177.44034	191.57111	6.01967	0.1391267	0.15425939	3.4432480	21	1 2.5	20.1
335667 2006 SM_{213}	18.1	X	220.81518	56.87202	348.82333	1.59754	0.1316984	0.31419627	2.1429006	21	5 29.9	21.0
335668 2006 ST_{372}	18.5	X	275.80092	52.91206	301.97932	3.35133	0.1295823	0.31533449	2.1377409	21	5 23.8	21.1
335669 2006 TS_{17}	18.4	X	250.31037	272.44471	93.38839	2.07815	0.1445301	0.31139826	2.1557179	21	5 7.3	21.1
335670 2006 TH_{22}	17.6	X	224.43575	228.91068	182.95170	3.13773	0.1196590	0.31224667	2.1518112	21	6 13.3	20.6
335671 2006 TS_{91}	18.2	X	285.99528	342.87547	26.21753	3.67071	0.1620890	0.31717423	2.1294664	21	6 24.9	20.6
335672 2006 UT_{45}	17.8	X	261.59871	222.20721	169.52869	1.87659	0.1427302	0.31513708	2.1386336	21	6 27.2	20.2
335673 2006 UG_{246}	18.1	X	291.50509	47.08261	212.55234	5.59174	0.1299906	0.29969542	2.2114781	21	1 30.5	21.1
335674 2006 UP_{246}	18.0	X	350.49959	2.07231	216.15801	4.07292	0.1150046	0.30105781	2.2048013	21	2 26.7	20.1
335675 2006 UJ_{278}	18.0	X	173.81454	184.54689	258.34029	1.13570	0.0761968	0.30825825	2.1703323	21	5 29.2	20.6
335676 2006 UP_{279}	17.9	X	271.35926	187.07231	55.59452	5.30528	0.0763191	0.28955375	2.2628195	21	—	—
335677 2006 UM_{338}	18.0	X	297.07144	98.26225	240.77709	4.92648	0.1642049	0.31240414	2.1510881	21	5 26.2	19.9
335678 2006 UE_{361}	17.5	X	200.74962	85.14290	288.97048	4.65400	0.1266333	0.30216041	2.1994344	21	3 24.9	20.8
335679 2006 VR_{20}	18.3	X	248.48515	10.65165	352.87281	0.70444	0.1209174	0.30820346	2.1705896	21	5 3.6	21.2
335680 2006 VV_{47}	18.3	X	239.20656	159.11401	232.27247	5.32772	0.0724363	0.31351149	2.1460199	21	6 6.6	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335681 2006 VA_{59}	17.5	X	288.88576	93.87901	219.01900	6.03639	0.2124453	0.30843956	2.1694817	21	3 29.1	20.3
335682 2006 VZ_{59}	17.2	X	278.30447	190.01130	72.64489	10.59122	0.1692758	0.29385906	2.2406636	21	1 20.9	20.6
335683 2006 VL_{63}	17.6	X	234.39372	128.98230	241.45635	5.88892	0.0989816	0.30518647	2.1848713	21	4 28.1	20.4
335684 2006 VA_{101}	17.1	X	149.90351	321.30637	85.89752	7.01743	0.0752414	0.29691089	2.2252832	21	3 14.8	20.0
335685 2006 VL_{101}	17.5	X	124.98636	182.89012	236.44703	6.59237	0.0570435	0.29089512	2.2558580	21	2 17.1	20.3
335686 2006 VU_{169}	17.1	X	228.32379	336.43774	242.39725	5.01529	0.1029549	0.27166464	2.3610978	21	—	—
335687 2006 WD_{39}	17.2	X	64.56148	216.21619	101.23892	3.17923	0.2209294	0.26639231	2.3921492	21	12 20.2	20.8
335688 2006 WG_{56}	16.9	X	317.39500	232.01979	301.03512	5.53497	0.0544100	0.27199629	2.3591781	21	—	—
335689 2006 WQ_{102}	17.8	X	274.99571	65.36066	245.81391	5.25979	0.1998321	0.30374670	2.1917701	21	3 12.6	21.1
335690 2006 WZ_{128}	18.0	X	235.17876	350.26681	8.13520	1.86043	0.1916770	0.30467003	2.1873397	21	4 7.9	21.2
335691 2006 WK_{153}	17.7	X	123.44196	137.67086	297.48819	5.83854	0.0909430	0.28916807	2.2648311	21	3 14.9	20.6
335692 2006 WA_{155}	17.5	X	288.51569	11.27218	235.99302	6.33533	0.0332647	0.29154389	2.2525101	21	1 23.7	20.4
335693 2006 WO_{168}	18.4	X	192.34765	187.96824	237.84067	5.38909	0.0710670	0.30637494	2.1792174	21	5 27.9	21.0
335694 2006 WC_{193}	18.2	X	239.30288	156.77644	235.62064	4.49673	0.1119972	0.30883746	2.1676179	21	6 3.9	21.1
335695 2006 WA_{204}	17.6	X	148.59458	117.00746	291.10842	6.37652	0.1175780	0.28980021	2.2615364	21	3 13.1	20.7
335696 2006 WZ_{205}	16.8	X	222.16565	103.81215	102.74519	7.60030	0.0600193	0.26094249	2.4253412	21	—	—
335697 2006 XL_{1}	18.1	X	279.55733	46.49969	280.09203	3.28856	0.1339307	0.30678044	2.1772967	21	4 16.6	20.7
335698 2006 XH_{19}	18.3	X	144.37402	276.96863	165.46209	1.16398	0.1516837	0.29644603	2.2276090	21	4 30.9	21.3
335699 2006 XU_{51}	17.5	X	227.47846	202.80565	90.18466	6.72372	0.1482674	0.28883955	2.2665481	21	1 11.3	20.9
335700 2006 XG_{69}	17.1	X	41.48016	126.57509	331.23613	6.88594	0.0636732	0.27744504	2.3281881	21	—	—
335701 2006 YC_{10}	17.6	X	170.84745	308.73498	100.76841	5.25676	0.1355325	0.29768852	2.2214062	21	4 16.0	20.8
335702 2006 YM_{15}	17.6	X	79.19629	344.91628	132.68262	5.58374	0.1222653	0.29136839	2.2534146	21	3 19.0	19.7
335703 2006 YD_{36}	16.8	X	283.44209	78.31594	89.53551	8.71537	0.0477386	0.26697956	2.3886400	21	—	—
335704 2006 YX_{53}	16.9	X	245.73015	42.83774	121.37290	6.60395	0.0869227	0.25717252	2.4489862	21	12 14.5	19.9
335705 2007 AS	16.2	X	231.48563	340.99347	292.28008	23.51540	0.1296664	0.27679034	2.3318580	21	—	—
335706 2007 AS_{3}	17.4	X	106.05682	350.02524	82.44527	4.32161	0.1496371	0.28605020	2.2812587	21	3 2.2	19.9
335707 2007 AG_{4}	17.3	X	160.41021	96.64567	324.16999	6.43633	0.1424402	0.29520073	2.2338693	21	4 14.8	20.7
335708 2007 AM_{28}	17.5	X	240.51273	1.89810	199.15428	1.19600	0.1361657	0.26196328	2.4190366	21	—	—
335709 2007 BB_{10}	17.7	X	158.04634	356.73357	357.49526	4.53970	0.1241229	0.27921481	2.3183397	21	1 19.2	20.8
335710 2007 BZ_{41}	17.3	X	288.60374	260.81490	321.26560	7.27952	0.0697499	0.27454113	2.3445766	21	—	—
335711 2007 BT_{48}	16.7	X	50.82403	302.48811	113.63022	6.62110	0.0984690	0.26814715	2.3817011	21	—	—
335712 2007 BO_{75}	18.3	X	116.30591	108.53662	342.49213	2.63680	0.1589044	0.29075172	2.2565997	21	4 9.2	21.0
335713 2007 CK_{4}	16.8	X	177.49797	268.06685	326.43408	7.28089	0.0652011	0.25606984	2.4560117	21	12 23.5	20.2
335714 2007 CT_{4}	18.0	X	98.22470	222.33109	235.63140	1.22609	0.0518023	0.28518129	2.2858902	21	3 7.9	20.4
335715 2007 CL_{6}	18.0	X	151.06340	310.67821	105.62900	3.89216	0.1481679	0.29244188	2.2478966	21	4 4.7	21.2
335716 2007 CV_{7}	17.4	X	312.77429	67.11906	128.85903	7.67082	0.0483554	0.27711154	2.3300557	21	—	—
335717 2007 CF_{17}	17.5	X	103.19837	91.57940	11.10756	2.71865	0.1114529	0.28703379	2.2760443	21	4 1.2	20.0
335718 2007 CD_{20}	16.6	X	225.72722	99.27824	124.81503	7.36056	0.0735218	0.26392957	2.4070070	21	—	—
335719 2007 CZ_{24}	16.9	X	327.90839	231.75370	288.82798	5.08225	0.1373944	0.27062084	2.3671652	21	—	—
335720 2007 CU_{38}	17.9	X	244.06810	290.51296	288.01594	1.85206	0.1480986	0.26388870	2.4072555	21	—	—
335721 2007 CJ_{41}	17.7	X	241.81625	233.31469	330.97514	6.17864	0.1143680	0.26082390	2.4260763	21	—	—
335722 2007 CS_{53}	17.2	X	83.46681	104.99607	355.76083	8.48249	0.1243123	0.28289914	2.2981672	21	3 2.5	19.4
335723 2007 CJ_{59}	16.6	X	324.35779	208.72525	260.80696	5.22357	0.0702137	0.26107521	2.4245192	21	—	—
335724 2007 CZ_{62}	16.9	X	341.93426	168.25758	342.40469	7.05809	0.0548527	0.27204822	2.3588779	21	—	—
335725 2007 DP_{11}	17.6	X	353.85484	169.95868	326.21200	2.03903	0.1229733	0.27063443	2.3670859	21	—	—
335726 2007 DU_{15}	16.9	X	88.56855	93.08701	6.87958	6.59007	0.0653891	0.28274576	2.2989983	21	3 1.4	19.4
335727 2007 DE_{29}	16.5	X	89.60029	284.04153	351.18232	14.99286	0.1140085	0.24174745	2.5520829	21	11 1.9	20.5
335728 2007 DX_{32}	17.1	X	88.31885	203.27348	11.67839	3.43193	0.1898373	0.22906311	2.6454483	21	8 30.5	20.9
335729 2007 DG_{36}	17.3	X	112.73112	41.09291	234.98976	4.12791	0.2123262	0.24496054	2.5297171	21	12 9.0	21.5
335730 2007 DL_{36}	13.5	X	238.45064	3.03054	5.58979	6.83681	0.0582719	0.08246428	5.2274770	21	5 17.3	20.6
335731 2007 DS_{45}	17.7	X	148.44137	297.77425	134.83518	7.91518	0.1282378	0.29424202	2.2387190	21	4 23.2	20.9
335732 2007 DG_{50}	17.6	X	314.02665	90.56037	67.25280	2.29801	0.1128519	0.26682326	2.3895727	21	—	—
335733 2007 DR_{60}	15.7	X	155.16524	258.46713	320.02122	14.77545	0.2153129	0.23856846	2.5747044	21	10 28.1	20.4
335734 2007 DE_{82}	17.7	X	267.26499	353.29026	174.48356	1.37552	0.1329880	0.25750349	2.4468873	21	—	—
335735 2007 DS_{86}	16.8	X	188.02696	288.73463	331.39195	6.34110	0.0812390	0.26120911	2.4236906	21	—	—
335736 2007 DA_{91}	17.9	X	127.19132	83.96090	337.32676	4.43913	0.2055247	0.28560828	2.2836113	21	3 19.9	20.9
335737 2007 DB_{102}	16.9	X	136.65332	185.94081	138.78381	7.42598	0.0980534	0.26484054	2.4014842	21	—	—
335738 2007 DA_{111}	17.3	X	115.81722	252.33744	348.57431	5.97406	0.1330585	0.23903679	2.5713403	21	10 23.1	21.2
335739 2007 DD_{116}	13.7	X	51.33509	230.98986	342.51395	1.52895	0.0447960	0.08411978	5.1586647	21	6 18.9	20.4
335740 2007 EJ_{2}	17.0	X	89.26076	112.67129	173.30823	10.77046	0.2538442	0.24026711	2.5625548	21	12 4.8	21.4
335741 2007 EH_{7}	17.5	X	169.76066	88.82545	186.05934	0.67202	0.1465661	0.25633573	2.4543130	21	—	—
335742 2007 EW_{11}	17.2	X	5.25591	17.87641	127.81504	3.11347	0.1703518	0.27395627	2.3479124	21	—	—
335743 2007 EY_{13}	16.8	X	78.62332	154.67239	184.79245	6.90918	0.1245028	0.25080168	2.4902852	21	—	—
335744 2007 EQ_{16}	17.0	X	101.79886	104.18631	119.79810	2.88323	0.1736948	0.23183961	2.6242848	21	9 23.9	20.9
335745 2007 EW_{22}	17.0	X	193.11054	268.50949	357.57004	4.15250	0.0593576	0.25990720	2.4317776	21	—	—
335746 2007 EJ_{26}	18.3	X	32.58779	224.40595	176.34586	29.04012	0.2687075	0.46861838	1.6415590	21	—	—
335747 2007 EA_{39}	17.0	X	101.46644	310.35716	127.45170	4.16543	0.1810750	0.28013085	2.3132829	21	3 8.3	19.4
335748 2007 EH_{44}	17.6	X	53.14925	228.26970	229.41925	1.73755	0.1699814	0.27339981	2.3510971	21	1 2.2	19.4
335749 2007 ER_{47}	17.1	X	150.96807	119.97104	168.70669	4.10961	0.0618310	0.25441360	2.4666593	21	—	—
335750 2007 EH_{49}	17.2	X	120.47882	98.99645	134.37267	5.51339	0.1897317	0.24052942	2.5606914	21	10 26.1	21.4
335751 2007 ER_{52}	17.8	X	99.66352	242.91407	197.32059	4.73658	0.0970578	0.27862404	2.3216157	21	2 20.3	20.4
335752 2007 ET_{55}	16.7	X	194.70829	71.27836	162.68342	14.59188	0.0836080	0.25340753	2.4731837	21	—	—
335753 2007 EO_{73}	17.2	X	75.45736	305.64307	7.89462	3.54197	0.1652376	0.24580429	2.5239248	21	12 16.8	20.9
335754 2007 EQ_{73}	17.1	X	166.16708	278.69606	5.27691	4.84705	0.0969045	0.25781676	2.4449048	21	—	—
335755 2007 EO_{76}	16.6	X	108.94202	22.78246	191.17468	14.20665	0.1989238	0.23089546	2.6314339	21	9 17.8	20.8
335756 2007 EY_{82}	18.4	X	126.67453	248.92143	186.66542	3.14983	0.1729654	0.28845504	2.2685619	21	4 4.3	21.4
335757 2007 EW_{86}	16.7	X	184.01417	271.27225	253.24374	3.98203	0.2037938	0.24008552	2.5638468	21	9 21.5	21.1
335758 2007 EM_{88}	19.6	X	10.32795	337.07318	78.23539	3.57665	0.2673507	0.46470256	1.6507679	21	—	—
335759 2007 EO_{91}	16.7	X	171.29374	328.36747	314.82993	5.97687	0.1674479	0.26009903	2.4305817	21	—	—
335760 2007 EU_{100}	17.7	X	110.44964	332.60984	81.35351	1.13221	0.1076393	0.27836886	2.3230343	21	2 3.3	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335761 2007 EJ_{104}	17.2	X	43.70168	288.39852	0.22347	12.17909	0.2520966	0.23126342	2.6286418	21	10 16.1	20.5
335762 2007 EV_{113}	16.6	X	253.06427	48.85388	114.56071	8.18451	0.0750869	0.25313856	2.4749352	21	12 24.1	19.5
335763 2007 ET_{116}	16.7	X	192.30732	57.17394	145.44716	5.08330	0.1157211	0.24426636	2.5345077	21	11 24.3	20.4
335764 2007 ET_{117}	16.8	X	44.66496	136.03051	99.05130	2.75101	0.1781890	0.22004671	2.7172283	21	7 25.2	19.7
335765 2007 EX_{119}	17.4	X	63.15859	118.17526	157.59720	4.57128	0.1788827	0.22945909	2.6424040	21	10 17.9	21.0
335766 2007 EC_{141}	13.7	X	332.64878	95.85228	193.49111	21.95849	0.0946162	0.08153251	5.2672286	21	6 4.7	20.5
335767 2007 EV_{145}	13.8	X	246.35971	271.05186	87.66443	3.35842	0.0574416	0.08246758	5.2273376	21	5 16.8	20.7
335768 2007 EH_{150}	17.5	X	98.17607	144.58797	129.75515	4.42965	0.1755079	0.24043559	2.5613576	21	11 22.6	21.5
335769 2007 ET_{151}	17.4	X	80.50295	161.52835	140.53367	6.14991	0.0786562	0.24521766	2.5279485	21	11 29.9	21.0
335770 2007 EP_{156}	16.8	X	71.93125	308.02681	270.92864	3.59296	0.2629200	0.22326030	2.6910910	21	8 23.7	20.7
335771 2007 EF_{161}	15.6	X	58.74337	222.90463	39.87383	14.43908	0.1028628	0.22646919	2.6656102	21	9 19.2	19.3
335772 2007 EA_{166}	17.9	X	229.50500	181.64677	222.09159	1.94250	0.3479277	0.30498918	2.1858135	21	5 24.5	21.9
335773 2007 ER_{178}	17.0	X	198.90266	27.18764	209.98653	5.90707	0.0972660	0.25168641	2.4844459	21	—	—
335774 2007 EY_{178}	16.5	X	25.41589	247.89485	352.90451	6.34369	0.2520517	0.21679356	2.7443434	21	7 6.7	18.9
335775 2007 EH_{180}	16.3	X	93.92591	277.70238	357.97148	11.93443	0.1559320	0.23699973	2.5860534	21	11 12.8	20.4
335776 2007 EU_{180}	16.3	X	71.46356	230.44247	2.23994	12.99791	0.1662962	0.22538190	2.6741762	21	9 1.8	20.0
335777 2007 EX_{193}	15.9	X	122.88464	217.55575	346.80903	12.43775	0.1943762	0.23186868	2.6240654	21	9 18.5	20.2
335778 2007 EQ_{203}	17.1	X	138.06236	45.57233	159.31407	8.09947	0.1132597	0.23809620	2.5781078	21	10 3.1	21.0
335779 2007 EW_{214}	17.2	X	66.74697	306.55953	10.30374	3.18788	0.0916350	0.24361846	2.5389993	21	12 1.9	20.8
335780 2007 ED_{216}	16.6	X	77.59919	262.24803	334.91200	11.90971	0.2268023	0.22895515	2.6462799	21	9 16.9	20.5
335781 2007 EN_{218}	17.6	X	90.60715	290.43666	350.22570	4.69550	0.1856203	0.23990317	2.5651458	21	11 21.5	21.7
335782 2007 FR_{4}	17.9	X	76.67522	101.21020	351.23195	1.71670	0.1820904	0.27941412	2.3172372	21	2 13.9	19.9
335783 2007 FR_{10}	17.0	X	6.59876	324.01817	340.78959	4.65870	0.1473377	0.22455135	2.6807662	21	8 21.8	19.7
335784 2007 FP_{15}	16.8	X	128.89111	36.43725	181.03147	12.73075	0.1823054	0.23787812	2.5796833	21	10 12.5	21.1
335785 2007 FJ_{19}	17.0	X	138.57703	122.74590	181.88712	5.73411	0.1367881	0.25514080	2.4619701	21	—	—
335786 2007 FM_{33}	17.9	X	353.17556	297.63985	188.11663	1.02109	0.1312112	0.26659021	2.3909652	21	—	—
335787 2007 FQ_{47}	16.5	X	73.13391	112.71972	147.55585	7.80529	0.2120892	0.22817519	2.6523069	21	10 15.2	20.4
335788 2007 GJ	16.7	X	70.20728	31.78878	205.33808	8.85854	0.1578080	0.22594247	2.6697513	21	8 29.0	20.4
335789 2007 GN_{13}	14.0	X	61.48238	24.21482	170.39005	13.57992	0.0504047	0.08278289	5.2140555	21	6 11.2	20.9
335790 2007 GN_{37}	16.5	X	30.90462	270.73368	52.96762	6.13211	0.1708443	0.23226204	2.6211018	21	11 4.6	19.5
335791 2007 GK_{46}	16.5	X	32.06722	211.67168	51.98777	5.72617	0.1167527	0.22070115	2.7118541	21	8 6.6	19.7
335792 2007 GN_{51}	16.3	X	102.20947	142.54149	107.04237	14.01451	0.1964697	0.23314963	2.6144453	21	11 2.0	20.7
335793 2007 GF_{59}	17.1	X	352.82683	75.99240	253.03226	2.77101	0.1207066	0.22602739	2.6690825	21	8 27.7	19.9
335794 2007 GQ_{59}	17.2	X	59.05865	257.72557	20.56467	3.75327	0.1997108	0.22790593	2.6543955	21	10 17.3	20.7
335795 2007 GT_{60}	17.2	X	82.48460	60.29092	232.13361	7.11844	0.1372670	0.23616985	2.5921079	21	11 24.0	20.8
335796 2007 GN_{73}	16.5	X	83.73494	94.75683	161.92086	9.23096	0.1062380	0.23041257	2.6351091	21	10 8.8	20.2
335797 2007 HJ_{1}	16.5	X	72.96220	62.81218	200.81274	12.35449	0.2314819	0.22989614	2.6390540	21	10 19.4	20.4
335798 2007 HM_{15}	16.9	X	233.27890	31.72785	115.69404	7.38668	0.0957607	0.24144953	2.5541818	21	11 4.6	20.4
335799 Zonglü	16.3	X	27.49425	237.99467	60.76821	13.67009	0.2033507	0.22436668	2.6822370	21	10 6.5	19.5
335800 2007 HM_{24}	16.9	X	12.04190	63.40733	207.26278	10.37422	0.3575096	0.21459158	2.7630851	21	7 28.8	18.8
335801 2007 HK_{41}	15.6	X	112.54587	179.41981	69.34526	14.43110	0.1078039	0.23311228	2.6147245	21	11 2.4	19.6
335802 2007 HF_{46}	16.3	X	189.18480	61.61952	122.94709	14.31160	0.0921470	0.24236607	2.5477384	21	11 4.8	20.3
335803 2007 HK_{59}	16.9	X	43.94245	71.11811	209.83534	12.12970	0.1838519	0.22559693	2.6724767	21	9 25.3	20.2
335804 2007 HW_{66}	16.6	X	113.52921	65.14083	194.96252	11.25204	0.1358563	0.23445944	2.6046991	21	11 16.7	20.7
335805 2007 HA_{82}	16.5	X	324.01158	264.73689	110.23399	7.22349	0.1618523	0.22819246	2.6521731	21	9 12.1	19.2
335806 2007 HA_{84}	16.2	X	38.73168	101.03366	197.33380	12.77392	0.2021666	0.22603981	2.6689848	21	10 17.1	19.3
335807 2007 HE_{97}	16.4	X	104.58266	116.75008	138.77078	9.97651	0.0864398	0.23478251	2.6023091	21	10 31.3	20.3
335808 2007 JG	16.6	X	25.74679	154.30038	119.55594	14.14145	0.1301738	0.21908394	2.7251831	21	8 10.8	19.7
335809 2007 JG_{4}	16.6	X	256.89900	262.23485	231.96354	12.42738	0.0999694	0.24207438	2.5497846	21	11 14.4	19.6
335810 2007 JR_{4}	16.2	X	3.33058	253.64151	64.89542	12.83070	0.2542012	0.22078453	2.7111712	21	9 22.9	18.7
335811 2007 JE_{5}	16.5	X	64.43977	76.54708	202.44524	10.33610	0.2103250	0.23134002	2.6280616	21	10 27.2	20.1
335812 2007 JR_{10}	16.7	X	81.23799	29.87218	236.56209	3.27187	0.2029259	0.22941009	2.6427801	21	10 27.1	20.6
335813 2007 JZ_{11}	16.2	X	74.75200	144.89307	103.75722	14.75589	0.0745059	0.22558000	2.6726104	21	9 16.5	20.1
335814 2007 JA_{12}	16.5	X	25.44676	220.87140	116.41280	13.57106	0.1918444	0.22939181	2.6429206	21	11 21.2	19.9
335815 2007 JS_{17}	16.4	X	14.65589	184.65722	149.58888	12.07305	0.1837018	0.22602995	2.6690624	21	10 28.1	19.5
335816 2007 JT_{17}	16.7	X	151.96290	13.62625	180.01501	12.96664	0.2076258	0.23208996	2.6223973	21	10 2.7	21.2
335817 2007 JU_{17}	16.3	X	351.78782	130.35161	142.62955	11.80157	0.2260217	0.21110265	2.7934459	21	5 31.7	19.1
335818 2007 JV_{17}	16.7	X	10.38282	222.27942	136.44841	14.37918	0.1836050	0.22961842	2.6411815	21	11 24.5	19.9
335819 2007 JO_{18}	17.4	X	71.84390	129.79957	130.32801	4.63764	0.1744018	0.22613465	2.6682385	21	10 7.7	21.1
335820 2007 JB_{20}	17.0	X	36.63364	178.18981	143.20087	6.66222	0.1305933	0.22976049	2.6400925	21	11 5.3	20.3
335821 2007 JD_{32}	16.6	X	20.67263	191.46471	90.24030	4.72363	0.0931029	0.22102503	2.7092042	21	8 9.5	19.7
335822 2007 JR_{40}	16.6	X	11.24121	117.31216	217.08382	13.82742	0.1224130	0.22826601	2.6516033	21	10 7.8	19.7
335823 2007 JU_{42}	15.9	X	139.23967	251.66933	322.16109	12.13252	0.1504827	0.23453389	2.6041479	21	10 8.5	20.3
335824 2007 KN_{7}	16.0	X	74.29745	347.53460	246.94773	12.82358	0.1990018	0.22436753	2.6822302	21	9 1.9	20.1
335825 2007 LN_{3}	16.3	X	200.06261	277.38900	224.87941	10.60177	0.1317101	0.23136972	2.6278366	21	9 9.6	20.6
335826 2007 LD_{4}	16.8	X	348.16867	137.15961	198.50821	5.87763	0.0771051	0.22278844	2.6948894	21	8 27.8	20.0
335827 2007 LJ_{5}	16.4	X	224.46435	338.31133	206.83915	4.57386	0.0727786	0.24338367	2.5406320	21	12 12.9	19.7
335828 2007 LS_{5}	16.6	X	356.15636	249.90669	95.85982	14.03910	0.2125452	0.22374437	2.6872081	21	10 14.5	19.4
335829 2007 LD_{6}	16.7	X	352.17467	186.06989	163.46783	15.75548	0.1342228	0.22540464	2.6739964	21	9 30.1	19.5
335830 2007 LY_{7}	16.9	X	65.50720	80.10977	164.25996	11.32768	0.1472569	0.22141242	2.7060432	21	9 2.2	20.5
335831 2007 LH_{9}	16.8	X	19.47231	112.09433	231.74578	14.20391	0.1835744	0.22848485	2.6499099	21	11 14.6	19.6
335832 2007 LJ_{9}	17.0	X	358.29248	187.60525	139.71187	4.87646	0.1252809	0.22249952	2.6972218	21	9 6.9	19.8
335833 2007 LW_{16}	16.7	X	257.51003	17.90006	75.41458	3.56240	0.0388246	0.23158937	2.6261748	21	10 1.7	20.2
335834 2007 LE_{20}	16.7	X	20.14999	52.90737	218.94245	8.82114	0.1866214	0.21671188	2.7450330	21	7 29.9	19.7
335835 2007 LE_{24}	16.9	X	55.63720	69.01234	197.44042	11.21874	0.1733595	0.22360506	2.6883242	21	9 21.4	20.5
335836 2007 LY_{26}	16.1	X	29.96872	219.92741	135.01520	14.63554	0.2625576	0.23111003	2.6298048	21	12 28.3	19.7
335837 2007 LZ_{33}	16.5	X	321.40016	94.38748	204.06980	11.57169	0.1302126	0.20972704	2.8056474	21	5 19.7	20.0
335838 2007 LP_{34}	16.7	X	11.22857	175.43878	163.00446	13.17861	0.1152858	0.22938771	2.6429520	21	10 18.5	19.8
335839 2007 MQ_{1}	16.7	X	65.47762	321.81141	260.90573	5.68017	0.0678731	0.21114650	2.7930591	21	7 21.0	20.4
335840 2007 MM_{2}	16.1	X	30.00412	116.39464	147.32996	13.60112	0.1439108	0.21759308	2.7376168	21	8 3.2	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335841 2007 MG_{4}	16.3	X	269.20667	292.16635	204.01330	7.22443	0.1545089	0.24387762	2.5372003	21	11 27.8	19.3
335842 2007 MP_{5}	17.1	X	322.89027	54.76075	284.27777	3.96522	0.1309862	0.21115513	2.7929830	21	7 17.2	20.2
335843 2007 MN_{6}	15.9	X	337.85113	324.44639	304.64510	15.26857	0.2276869	0.20387808	2.8590540	21	4 13.0	19.5
335844 2007 MX_{8}	16.5	X	18.57642	160.00639	156.73267	11.89953	0.2097123	0.22452692	2.6809607	21	10 12.9	19.4
335845 2007 MP_{16}	16.6	X	44.26228	356.93871	100.58684	13.36863	0.0305535	0.26201101	2.4187428	21	—	—
335846 2007 MW_{21}	16.0	X	89.64994	142.76988	171.71126	16.32305	0.1027568	0.24023419	2.5627889	21	12 25.9	20.1
335847 2007 OJ_{10}	16.1	X	254.27792	337.95731	338.36234	15.55139	0.1330489	0.18816183	3.0161183	21	3 16.4	20.9
335848 2007 PP_{24}	15.6	X	200.80803	43.60117	312.54276	10.38854	0.1583796	0.18487612	3.0517491	21	3 13.1	20.8
335849 2007 PQ_{46}	16.2	X	204.62359	354.28916	318.96648	1.32010	0.0384431	0.17756846	3.1349131	21	1 30.5	20.8
335850 2007 QO_{5}	16.2	X	176.27759	84.63487	310.37244	7.18522	0.3528119	0.18233237	3.0800672	21	4 12.3	22.1
335851 2007 QZ_{11}	15.5	X	252.19707	19.19766	305.18368	13.79104	0.0904709	0.18969383	2.9998571	21	3 23.9	20.3
335852 2007 QJ_{17}	15.5	X	16.32602	158.70090	338.29149	15.07735	0.0780762	0.17408511	3.1765935	21	1 26.8	19.7
335853 Valléedaoste	16.1	X	158.26131	168.17666	223.65211	4.07152	0.1605842	0.17645400	3.1480990	21	3 21.3	21.2
335854 2007 RT_{8}	17.7	X	355.78207	200.99161	281.04481	20.03698	0.0298240	0.38116890	1.8838996	21	—	—
335855 2007 RD_{16}	15.5	X	6.82487	212.28836	333.78256	10.69915	0.0893005	0.18216941	3.0819038	21	3 7.5	19.3
335856 2007 RH_{16}	15.9	X	269.39365	70.64311	170.03741	15.71892	0.0437109	0.17202647	3.2018861	21	1 15.4	20.8
335857 2007 RO_{18}	16.0	X	253.54465	116.89644	194.12596	15.87848	0.1544793	0.18905681	3.0065920	21	3 8.7	20.8
335858 2007 RB_{23}	16.2	X	226.99164	33.87487	302.68781	4.86198	0.1272767	0.18657251	3.0332226	21	3 16.1	21.1
335859 2007 RE_{43}	15.7	X	244.13862	340.93284	339.91968	11.83306	0.0970455	0.18495207	3.0509136	21	3 16.3	20.5
335860 2007 RQ_{45}	15.9	X	220.82066	12.50981	265.70227	4.01883	0.1641830	0.17399488	3.1776916	21	1 5.3	21.2
335861 2007 RV_{51}	15.8	X	179.94771	50.68056	329.56604	8.77123	0.1232264	0.18133528	3.0913476	21	3 23.6	20.8
335862 2007 RK_{52}	16.1	X	241.80597	49.36109	206.17922	14.06016	0.1612445	0.17241068	3.1971274	21	—	—
335863 2007 RR_{52}	16.0	X	187.81923	105.70587	286.84505	4.42580	0.1804651	0.18422790	3.0589036	21	4 16.1	21.1
335864 2007 RG_{53}	15.9	X	158.33739	113.33726	311.55416	4.97661	0.1983406	0.18258598	3.0772145	21	4 30.4	21.1
335865 2007 RM_{54}	16.3	X	225.20364	346.14190	331.85362	7.69869	0.1964927	0.18156858	3.0886990	21	2 21.1	21.5
335866 2007 RX_{54}	16.3	X	166.99711	101.22945	284.62640	4.41355	0.1567729	0.17956514	3.1116306	21	3 20.7	21.4
335867 2007 RL_{55}	15.8	X	216.64711	329.88550	340.64274	10.48671	0.1111583	0.17710964	3.1403248	21	2 9.8	20.7
335868 2007 RP_{68}	16.0	X	329.05095	247.53601	39.46534	2.60231	0.0903160	0.19724737	2.9227740	21	5 20.8	19.6
335869 2007 RZ_{97}	16.5	X	239.95679	146.20276	164.49662	8.52935	0.1234291	0.18072550	3.0982974	21	2 28.7	21.3
335870 2007 RQ_{102}	16.4	X	222.66472	352.63659	348.20018	10.41048	0.0426263	0.18641704	3.0349088	21	3 21.4	20.8
335871 2007 RG_{109}	16.4	X	171.12915	235.16948	208.47504	1.59305	0.2259995	0.18793355	3.0185601	21	6 5.1	21.5
335872 2007 RY_{114}	16.2	X	154.96130	86.58606	317.92902	3.82988	0.1523597	0.17987148	3.1080966	21	4 1.0	21.2
335873 2007 RG_{115}	15.6	X	121.76020	237.06471	196.70781	15.36882	0.0455719	0.17990739	3.1076830	21	3 20.9	20.1
335874 2007 RW_{117}	15.8	X	125.62490	208.46207	192.66856	10.66261	0.0860473	0.17424912	3.1745999	21	2 19.1	20.5
335875 2007 RL_{118}	16.2	X	116.29802	61.52418	17.02506	2.44120	0.1470177	0.17574296	3.1565845	21	4 4.5	20.9
335876 2007 RP_{126}	15.9	X	295.72948	79.57697	187.82260	11.17267	0.1775427	0.18568171	3.0429160	21	2 26.1	20.3
335877 2007 RC_{128}	16.3	X	248.98625	301.02104	68.50731	1.38429	0.1773143	0.19277034	2.9678543	21	5 14.0	21.0
335878 2007 RB_{129}	15.9	X	107.85218	275.37049	171.54107	5.20421	0.1151107	0.17701531	3.1414404	21	4 1.6	20.3
335879 2007 RX_{130}	16.2	X	155.11681	213.13092	188.15368	11.76870	0.0782712	0.17812472	3.1283830	21	3 24.2	20.9
335880 2007 RL_{143}	15.7	X	124.77457	249.29026	188.29886	15.87827	0.2251088	0.17962753	3.1109100	21	4 21.9	20.7
335881 2007 RF_{146}	15.8	X	244.81713	301.45597	12.61928	6.06366	0.1471577	0.18532729	3.0467943	21	3 8.8	20.5
335882 2007 RC_{152}	16.2	X	175.10284	188.60297	177.64759	13.79961	0.0443038	0.18152043	3.0892451	21	2 28.1	20.8
335883 2007 RW_{163}	16.2	X	301.41191	53.17860	187.91898	10.09312	0.0381795	0.18246344	3.0785921	21	2 20.6	20.6
335884 2007 RO_{165}	16.2	X	274.36130	117.99750	203.88794	4.37027	0.1156031	0.19297030	2.9658037	21	4 19.1	20.4
335885 2007 RE_{170}	15.8	X	187.54163	252.75779	155.45521	10.35616	0.0935893	0.18999205	2.9967173	21	5 8.6	20.6
335886 2007 RA_{173}	15.8	X	255.66528	322.80325	26.36996	9.75758	0.0763036	0.19087671	2.9874507	21	5 4.9	20.3
335887 2007 RD_{173}	16.2	X	264.46336	119.74905	163.37021	8.55820	0.1303938	0.18136086	3.0910569	21	2 19.3	20.9
335888 2007 RO_{188}	16.4	X	232.65767	203.20354	146.64909	4.21105	0.1257174	0.18917141	3.0053776	21	4 9.9	21.1
335889 2007 RF_{190}	18.3	X	122.37232	62.95648	329.05692	18.80402	0.1297968	0.38719840	1.8642909	21	—	—
335890 2007 RQ_{190}	16.1	X	212.45146	112.33654	187.13193	10.97260	0.1359920	0.17507824	3.1645693	21	1 20.5	21.4
335891 2007 RE_{192}	15.6	X	136.02407	235.65567	184.36490	9.95872	0.1458730	0.17930264	3.1146667	21	4 2.9	20.4
335892 2007 RH_{207}	15.5	X	135.80207	224.60416	177.47356	18.53959	0.0768761	0.17603483	3.1530944	21	3 3.4	20.2
335893 2007 RT_{207}	16.3	X	208.04483	350.60864	35.36771	3.04872	0.2333093	0.18759264	3.0222162	21	4 25.8	21.6
335894 2007 RU_{215}	16.3	X	148.98238	105.38173	329.68479	3.24373	0.1268766	0.18400644	3.0613574	21	4 30.2	21.1
335895 2007 RB_{218}	16.1	X	215.37234	301.19974	67.52136	2.64250	0.1776196	0.18237848	3.0795480	21	4 14.1	21.2
335896 2007 RC_{219}	16.6	X	257.72073	38.53485	283.56979	1.10979	0.0388301	0.18610413	3.0383097	21	4 9.4	20.9
335897 2007 RO_{226}	15.6	X	251.91981	253.89030	15.70647	10.79481	0.0467491	0.17508927	3.1644363	21	2 3.7	20.4
335898 2007 RG_{227}	16.4	X	294.29549	190.08364	64.09433	3.08637	0.1944491	0.18370147	3.0647446	21	2 10.2	20.9
335899 2007 RN_{231}	16.3	X	192.29011	320.56618	33.93842	1.37219	0.1971137	0.18082223	3.0971923	21	3 9.4	21.4
335900 2007 RR_{247}	15.6	X	203.77047	71.74509	299.09404	15.53757	0.1722344	0.18524371	3.0477106	21	3 28.4	21.0
335901 2007 RE_{268}	16.3	X	270.34954	248.00714	89.04859	2.18382	0.1745873	0.19345641	2.9608333	21	4 26.7	20.6
335902 2007 RQ_{285}	15.7	X	213.17824	256.66636	89.29340	12.98862	0.1838112	0.18288055	3.0739092	21	3 22.1	21.0
335903 2007 RM_{291}	15.7	X	217.47233	55.44220	281.74661	9.02575	0.1720134	0.18225721	3.0809139	21	3 5.1	21.0
335904 2007 RF_{295}	15.8	X	81.42475	263.14303	193.59151	18.91117	0.1658202	0.17268194	3.1937784	21	3 16.7	20.2
335905 2007 RS_{300}	16.7	X	202.00918	194.38258	181.21524	4.86422	0.1673560	0.18468315	3.0538746	21	4 10.6	21.7
335906 2007 RV_{310}	15.7	X	223.61567	83.00160	282.99334	8.07847	0.0814322	0.18847613	3.0127642	21	4 18.1	20.4
335907 2007 RD_{312}	15.9	X	196.02963	169.84480	179.51190	11.36877	0.1175795	0.18047920	3.1011155	21	3 4.2	20.9
335908 2007 RS_{313}	15.5	X	215.91544	50.32866	313.52787	10.05043	0.1450089	0.18614812	3.0378311	21	4 3.7	20.6
335909 2007 RH_{315}	15.9	X	178.99853	184.14592	210.05656	8.62604	0.0471498	0.18493330	3.0511201	21	4 7.7	20.3
335910 2007 RS_{315}	15.8	X	170.17944	220.89951	176.05010	16.91903	0.0819693	0.18390447	3.0624889	21	4 5.7	20.5
335911 2007 RC_{318}	16.0	X	166.13934	201.87503	198.21148	8.79751	0.1360856	0.18451608	3.0557177	21	4 6.3	20.7
335912 2007 RP_{318}	16.6	X	223.61735	228.12893	157.46733	2.64536	0.1269581	0.19156623	2.9802778	21	5 13.6	21.3
335913 2007 RK_{320}	15.6	X	134.22986	36.39290	344.58395	8.50219	0.0847452	0.17335953	3.1854507	21	2 9.1	20.2
335914 2007 RR_{321}	15.5	X	89.83161	63.34789	17.36457	9.36391	0.0855464	0.17432308	3.1737018	21	3 1.6	19.9
335915 2007 RU_{323}	16.0	X	180.27672	317.45559	83.43556	3.95952	0.1339441	0.18299845	3.0725888	21	4 22.1	20.9
335916 2007 SM_{10}	15.8	X	213.96061	159.14610	199.61229	11.66099	0.1555286	0.18392742	3.0622342	21	3 31.1	20.8
335917 2007 SV_{14}	15.8	X	183.08520	93.10741	271.50538	8.68181	0.0997802	0.17600496	3.1534512	21	3 6.6	20.9
335918 2007 SG_{15}	17.2	X	281.83793	349.36618	198.00113	22.01857	0.0533490	0.37522189	1.9037530	21	—	—
335919 2007 SQ_{16}	16.2	X	240.43670	225.22403	192.60039	10.25508	0.1289884	0.20164024	2.8801686	21	7 8.0	20.7
335920 2007 SW_{18}	15.5	X	166.08580	128.67120	274.46408	8.17262	0.1122960	0.18092725	3.0959936	21	4 5.3	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
335921 2007 SH_{21}	15.3	X	176.44048	83.30190	277.57790	7.96771	0.0721195	0.17670749	3.1450876	21	2 23.2	20.2
335922 2007 SJ_{23}	15.9	X	218.91035	47.98173	275.12438	6.03157	0.2660254	0.17875260	3.1210529	21	2 18.6	21.5
335923 2007 TF_{3}	15.8	X	229.36464	5.16958	358.46416	10.26809	0.1269220	0.18831158	3.0145190	21	4 18.7	20.6
335924 2007 TO_{11}	16.7	X	184.38239	240.03813	189.37960	7.24568	0.3937019	0.18430847	3.0580120	21	5 30.7	22.7
335925 2007 TF_{13}	16.2	X	232.19403	281.78940	61.18672	2.06841	0.1672857	0.18432439	3.0578360	21	3 29.6	21.1
335926 2007 TG_{13}	16.3	X	211.87696	4.34545	10.74789	5.33016	0.2046870	0.18456791	3.0551457	21	4 16.1	21.4
335927 2007 TX_{16}	15.5	X	200.74314	27.57861	340.33108	15.80490	0.1295788	0.18242706	3.0790013	21	3 26.2	20.6
335928 2007 TL_{17}	16.0	X	206.29554	76.02003	343.52676	12.51460	0.1511382	0.19114371	2.9846681	21	6 3.9	21.1
335929 2007 TC_{20}	16.1	X	209.17404	55.71204	315.49817	1.12096	0.2373133	0.18338774	3.0682390	21	4 9.1	21.4
335930 2007 TW_{20}	16.2	X	203.01005	87.24467	253.68969	0.30002	0.1768043	0.17599445	3.1535768	21	3 2.2	21.4
335931 2007 TW_{23}	17.9	X	96.72361	136.84246	207.01445	21.87516	0.0419047	0.37078649	1.9189049	21	—	—
335932 2007 TG_{31}	15.9	X	209.47889	326.94280	36.27960	12.24870	0.2392299	0.18178272	3.0862729	21	4 3.8	21.3
335933 2007 TV_{31}	15.8	X	170.54636	258.21838	122.63154	16.84109	0.2668832	0.17930039	3.1146929	21	3 30.9	21.5
335934 2007 TE_{33}	16.6	X	188.23260	232.94811	160.68484	0.97998	0.1860268	0.18146938	3.0898245	21	4 20.2	21.7
335935 2007 TF_{37}	15.9	X	252.03070	118.04368	190.43176	10.91013	0.1119831	0.18313818	3.0710258	21	3 9.3	20.6
335936 2007 TU_{50}	16.1	X	260.80939	5.76593	323.46499	0.62755	0.2519654	0.18921844	3.0048796	21	3 30.5	21.0
335937 2007 TB_{52}	15.5	X	60.18141	294.91392	214.99445	15.12396	0.1628721	0.17549067	3.1596091	21	4 23.1	19.4
335938 2007 TL_{54}	16.5	X	178.43968	344.70012	56.51636	2.29346	0.0635175	0.18069579	3.0986369	21	4 17.9	21.0
335939 2007 TW_{54}	15.6	X	206.85082	125.55959	221.93375	10.75642	0.1228866	0.17746274	3.1361579	21	3 9.9	20.7
335940 2007 TR_{60}	15.6	X	113.22634	261.14927	181.40036	23.09069	0.2999927	0.17666402	3.1456035	21	4 26.0	20.8
335941 2007 TO_{61}	15.9	X	187.47688	221.26089	155.08430	1.64207	0.1817330	0.17928067	3.1149212	21	3 30.6	21.0
335942 2007 TC_{62}	16.0	X	211.64303	150.71912	210.47667	10.38238	0.0857387	0.18096939	3.0955130	21	4 2.5	20.8
335943 2007 TO_{66}	16.1	X	184.49014	72.47007	326.45626	9.09577	0.1208759	0.18400035	3.0614250	21	4 17.7	21.1
335944 2007 TJ_{67}	15.9	X	182.28545	236.00419	181.79420	10.49206	0.0935894	0.18524792	3.0476645	21	5 14.2	20.7
335945 2007 TQ_{67}	15.5	X	180.38083	118.57530	260.00417	9.92428	0.0885095	0.18020231	3.1042913	21	3 19.1	20.4
335946 2007 TF_{71}	17.6	X	244.59866	320.71485	212.34301	20.73708	0.0619064	0.36664882	1.9333146	21	—	—
335947 2007 TY_{77}	15.7	X	176.77955	208.35924	223.73277	9.34069	0.2645156	0.18353326	3.0666169	21	5 27.6	21.1
335948 2007 TT_{88}	15.6	X	142.07958	180.24993	225.56039	28.67149	0.1644293	0.17529743	3.1619307	21	3 18.8	21.0
335949 2007 TF_{91}	16.2	X	181.56744	228.57877	178.07350	5.91123	0.1777735	0.18169675	3.0872463	21	4 30.9	21.3
335950 2007 TR_{91}	16.1	X	177.79588	185.82696	187.93277	3.86398	0.1329961	0.17851810	3.1237855	21	3 17.2	20.9
335951 2007 TB_{93}	16.8	X	227.82533	118.33848	194.76154	15.01544	0.3622208	0.18077582	3.0977223	21	2 9.9	22.8
335952 2007 TD_{94}	15.7	X	156.13225	161.74105	189.01945	28.31094	0.1644476	0.17303222	3.1894666	21	1 29.3	21.2
335953 2007 TG_{94}	16.0	X	166.64169	122.58909	262.01544	3.99592	0.1497329	0.17891260	3.1191920	21	3 18.9	21.0
335954 2007 TB_{107}	15.7	X	163.90688	31.04303	10.32677	5.16679	0.1419826	0.17947739	3.1126448	21	4 6.3	20.5
335955 2007 TS_{108}	15.4	X	218.58511	346.85175	0.40046	9.46382	0.0894978	0.18173288	3.0868371	21	3 24.4	20.2
335956 2007 TP_{120}	16.4	X	217.22151	301.81522	55.11683	0.82550	0.1945860	0.18259539	3.0771088	21	3 31.7	21.5
335957 2007 TL_{121}	16.5	X	140.90097	298.22315	100.82163	2.60245	0.1709966	0.17796446	3.1302609	21	3 17.0	21.3
335958 2007 TP_{139}	15.6	X	54.30361	271.77124	225.55608	8.23486	0.0533755	0.17441308	3.1726099	21	3 13.8	20.0
335959 2007 TZ_{145}	16.0	X	202.18011	188.61309	194.26720	11.93147	0.1243216	0.18454901	3.0553542	21	4 20.3	20.8
335960 2007 TW_{150}	15.7	X	238.75269	116.33858	220.67346	8.43682	0.1533432	0.18637756	3.0353374	21	3 26.2	20.7
335961 2007 TB_{152}	16.5	X	198.91506	123.04169	262.78759	4.39888	0.1869125	0.18572589	3.0424334	21	4 17.7	21.6
335962 2007 TE_{152}	16.0	X	228.41481	37.02362	293.51550	4.06431	0.0839528	0.18166230	3.0876366	21	3 13.3	20.8
335963 2007 TC_{154}	15.7	X	140.29012	209.45478	225.16900	9.46200	0.1326574	0.18028851	3.1033018	21	4 22.2	20.5
335964 2007 TM_{157}	16.3	X	250.13906	19.49156	303.81944	1.88153	0.2207037	0.18668840	3.0319671	21	3 16.8	21.4
335965 2007 TF_{162}	16.4	X	252.78564	163.19643	156.59870	2.08600	0.2215824	0.18620839	3.0371755	21	3 15.9	21.5
335966 2007 TO_{168}	15.8	X	137.74208	126.53071	267.29765	4.66703	0.1600087	0.17227749	3.1987750	21	3 3.9	20.8
335967 2007 TA_{169}	15.4	X	230.72535	269.31509	10.29386	15.22027	0.2161970	0.17384603	3.1795052	21	1 17.5	21.0
335968 2007 TW_{171}	15.0	X	228.46081	253.88014	42.29242	16.40536	0.2161007	0.17694769	3.1422407	21	2 4.8	20.6
335969 2007 TM_{174}	16.0	X	130.88617	232.69133	200.03186	10.16004	0.1319569	0.17915282	3.1164030	21	4 11.0	20.7
335970 2007 TW_{183}	15.8	X	222.73081	287.27711	60.67868	9.92835	0.2764086	0.18240163	3.0792875	21	3 27.3	21.4
335971 2007 TP_{196}	16.2	X	206.13054	93.77427	213.45619	12.77962	0.1966273	0.17064577	3.2191338	21	1 23.2	21.9
335972 2007 TK_{197}	15.9	X	178.96791	167.66186	157.26378	9.88367	0.0710965	0.17375896	3.1805673	21	1 17.8	20.7
335973 2007 TY_{207}	15.0	X	251.68857	228.10188	56.84109	18.33628	0.2170906	0.17936381	3.1139586	21	2 10.5	20.5
335974 2007 TE_{217}	16.1	X	169.04117	91.06059	260.47850	4.38952	0.1410435	0.16955019	3.2329863	21	2 11.8	21.3
335975 2007 TV_{222}	15.8	X	235.65461	328.33499	12.05964	14.75478	0.1581942	0.18361855	3.0656673	21	3 29.9	20.6
335976 2007 TJ_{224}	16.1	X	32.69290	303.56131	317.19845	8.19722	0.1061465	0.21041164	2.7995584	21	7 31.0	19.4
335977 2007 TB_{225}	16.2	X	236.00167	208.36478	144.01764	13.04737	0.2445568	0.18883630	3.0089321	21	4 11.5	21.5
335978 2007 TG_{226}	15.6	X	123.50167	138.10956	299.44067	5.66337	0.1852433	0.17671848	3.1449572	21	4 12.4	20.5
335979 2007 TM_{226}	16.5	X	165.57493	304.60725	79.83677	1.99210	0.1110784	0.17553790	3.1590423	21	3 18.8	21.3
335980 2007 TV_{237}	15.9	X	245.13749	10.46670	292.64119	3.58158	0.0663536	0.18258142	3.0772657	21	2 27.8	20.4
335981 2007 TZ_{239}	16.1	X	151.17817	216.25929	180.43733	2.09804	0.2002762	0.17621643	3.1509278	21	3 24.8	21.3
335982 2007 TD_{240}	15.7	X	199.49602	319.52249	28.10576	9.96738	0.0765493	0.17707068	3.1407855	21	3 10.6	20.5
335983 2007 TH_{240}	15.9	X	201.29920	146.23804	193.88126	9.13311	0.1370259	0.17727087	3.1384205	21	2 25.8	21.0
335984 2007 TK_{247}	15.5	X	166.16425	105.73578	286.66810	10.59782	0.1645648	0.18068218	3.0987926	21	3 24.6	20.8
335985 2007 TD_{248}	15.4	X	259.69763	21.18334	302.84664	9.14180	0.1128620	0.18690398	3.0296353	21	4 1.2	20.1
335986 2007 TF_{255}	15.5	X	135.82136	207.60079	230.93690	8.73632	0.0598381	0.18008849	3.1055992	21	4 14.0	20.1
335987 2007 TV_{266}	16.8	X	202.02809	316.54323	53.60182	0.37554	0.2384499	0.18259106	3.0771574	21	4 3.3	22.2
335988 2007 TK_{273}	16.0	X	233.44140	84.67556	212.67699	9.20707	0.1069389	0.17661239	3.1462165	21	2 5.7	21.0
335989 2007 TW_{275}	15.7	X	289.25896	304.03093	3.56386	9.83125	0.0659450	0.18869193	3.0104667	21	4 23.6	20.0
335990 2007 TE_{302}	16.5	X	149.88417	196.75411	240.28587	1.71828	0.0761032	0.18099219	3.0952531	21	4 30.8	21.1
335991 2007 TR_{307}	16.6	X	268.37924	264.32418	50.26848	1.05051	0.2114713	0.18863071	3.0111180	21	3 24.4	21.4
335992 2007 TG_{320}	16.1	X	239.01985	116.59747	213.66448	11.73775	0.1692299	0.18615973	3.0377047	21	3 16.8	21.2
335993 2007 TY_{329}	16.0	X	256.27175	11.24693	267.04023	3.61090	0.1359686	0.17347867	3.1839922	21	2 5.9	20.9
335994 2007 TA_{354}	16.2	X	137.83888	264.24334	133.01370	8.87460	0.2574995	0.17350042	3.1837261	21	3 21.5	21.5
335995 2007 TJ_{354}	15.8	X	241.92161	236.62312	102.95329	11.69598	0.1890182	0.18597984	3.0396632	21	4 6.6	20.9
335996 2007 TR_{354}	15.5	X	207.78220	139.52895	221.31227	8.73128	0.0882295	0.17819312	3.1275824	21	3 28.5	20.3
335997 2007 TL_{355}	15.7	X	176.06087	284.20639	108.77769	11.87892	0.2120612	0.17993043	3.1074177	21	4 15.5	21.2
335998 2007 TV_{355}	16.1	X	153.54070	262.64364	138.07088	17.08471	0.2645021	0.17557171	3.1586368	21	4 9.7	21.8
335999 2007 TY_{355}	15.8	X	168.25663	264.41310	144.76161	11.21689	0.2106141	0.18092624	3.0960051	21	4 26.4	21.2
336000 2007 TC_{357}	15.9	X	98.58747	266.17323	205.23956	8.96749	0.0663481	0.17785745	3.1315163	21	4 12.6	20.3