Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376001 2010 AF_{5}	16.5	X	173.58483	3.20770	88.59637	4.80892	0.1539662	0.21231493	2.7828023	21	6 15.1	20.8
376002 2010 AT_{11}	16.5	X	220.05790	275.21772	135.30506	9.63007	0.1598204	0.20942420	2.8083515	21	6 8.1	21.1
376003 2010 AD_{17}	16.1	X	76.60502	354.44586	130.53400	5.22280	0.0178549	0.18760711	3.0220607	21	3 27.0	20.2
376004 2010 AM_{21}	16.2	X	210.36186	132.40490	313.28734	10.46839	0.1248489	0.21803601	2.7339080	21	7 14.9	20.5
376005 2010 AN_{25}	17.0	X	92.27773	1.66522	92.54495	2.05764	0.2077025	0.18882242	3.0090796	21	4 3.7	21.1
376006 2010 AV_{25}	16.2	X	78.70097	5.14052	111.33532	6.78297	0.1334151	0.18851536	3.0123462	21	4 5.1	20.2
376007 2010 AL_{27}	16.8	X	264.82220	355.99923	23.99199	1.71819	0.1087660	0.21568120	2.7537713	21	6 21.3	20.7
376008 2010 AB_{33}	16.3	X	150.80995	102.46392	325.40430	7.50719	0.0941934	0.19673445	2.9278520	21	4 17.5	20.8
376009 2010 AK_{33}	15.3	X	209.28275	318.88617	323.35181	11.81329	0.0414995	0.17267072	3.1939166	21	1 1.7	20.1
376010 2010 AB_{37}	15.6	X	38.06562	161.12207	333.10445	8.88645	0.1658439	0.18116736	3.0932576	21	2 22.7	19.1
376011 2010 AR_{39}	15.9	X	310.97401	235.09939	14.62228	9.38015	0.0825985	0.18780574	3.0199295	21	3 12.6	20.0
376012 2010 AS_{40}	16.5	X	246.32969	147.74930	264.33363	5.52919	0.0651445	0.21847791	2.7302203	21	7 16.1	20.2
376013 2010 AB_{41}	16.3	X	194.59738	346.41334	106.44538	13.45059	0.1246998	0.21735988	2.7395746	21	7 6.8	20.4
376014 2010 AQ_{41}	16.4	X	186.23756	57.80793	47.23940	5.22999	0.0802692	0.21503869	2.7592538	21	7 15.6	20.5
376015 2010 AT_{46}	17.8	X	213.30210	288.25582	161.60118	1.98673	0.1977317	0.22134946	2.7065564	21	7 17.2	22.1
376016 2010 AQ_{64}	15.8	X	338.49387	201.81550	300.84871	12.96864	0.0363016	0.16982055	3.2295540	21	—	—
376017 2010 AC_{68}	16.6	X	165.84034	230.98521	275.74194	6.58489	0.1651000	0.21605380	2.7506043	21	8 13.7	21.3
376018 2010 AD_{68}	18.0	X	333.19069	281.23767	93.79497	4.30230	0.2727851	0.24473116	2.5312975	21	9 30.2	19.4
376019 2010 AZ_{69}	16.9	X	125.89162	278.49316	175.36519	5.12966	0.1515336	0.19814725	2.9139182	21	5 3.6	21.3
376020 2010 AE_{70}	16.2	X	217.26232	274.02949	144.31089	13.99441	0.1654517	0.21083528	2.7958070	21	6 15.1	20.9
376021 2010 AQ_{76}	16.5	X	232.91028	275.42170	132.03662	8.30729	0.2287772	0.21500886	2.7595090	21	6 10.9	21.2
376022 2010 AW_{76}	15.6	X	36.05447	171.63675	309.11938	16.73926	0.1722110	0.17775919	3.1326702	21	2 1.8	19.1
376023 2010 AJ_{80}	15.8	X	92.28195	86.62198	338.17949	8.71601	0.0778708	0.17930682	3.1146184	21	2 9.4	20.0
376024 2010 AD_{87}	15.6	X	120.94141	280.71346	141.18336	10.51178	0.0950403	0.17548302	3.1597009	21	3 16.5	20.2
376025 2010 BK_{1}	16.8	X	249.55886	171.27424	227.34441	3.61831	0.0722686	0.21516409	2.7581816	21	7 1.7	20.7
376026 2010 BR_{46}	15.7	X	84.70089	58.69257	46.27365	10.50192	0.2063026	0.17783478	3.1317824	21	4 10.4	19.9
376027 2010 CH_{2}	16.2	X	106.53047	283.14882	142.28856	12.11495	0.0688494	0.18048240	3.1010789	21	2 26.2	20.5
376028 2010 CX_{11}	15.7	X	78.52591	167.57959	276.12622	8.43574	0.0816832	0.17961094	3.1111016	21	2 10.6	20.0
376029 Blahová	15.7	X	359.64234	173.61781	341.11520	14.70077	0.2184879	0.17466482	3.1695608	21	1 10.1	19.5
376030 2010 CA_{20}	16.2	X	4.22479	21.01110	146.17225	14.45759	0.1407644	0.17821697	3.1273034	21	2 6.0	19.8
376031 2010 CF_{22}	16.6	X	94.61346	89.32623	50.71405	4.92057	0.1428358	0.19509702	2.9442112	21	5 23.7	20.7
376032 2010 CA_{35}	16.4	X	174.80307	308.82751	120.29505	9.59076	0.2541398	0.20036815	2.8923461	21	5 23.9	21.6
376033 2010 CB_{51}	15.3	X	45.30822	301.38948	212.41440	17.29368	0.2982983	0.17628725	3.1500838	21	4 21.6	18.4
376034 2010 CJ_{60}	15.4	X	13.64683	232.21746	311.09684	9.23565	0.0701882	0.18292105	3.0734554	21	3 12.4	19.5
376035 2010 CL_{81}	15.8	X	347.35998	209.29427	320.65627	2.69038	0.0740909	0.17195565	3.2027650	21	1 23.8	20.1
376036 2010 CC_{100}	15.9	X	286.11756	136.98535	128.56832	3.15870	0.0567332	0.18289031	3.0737999	21	3 4.2	20.3
376037 2010 CH_{111}	15.7	X	116.32388	60.44532	337.69040	8.89764	0.0594614	0.17643167	3.1483646	21	2 5.0	20.1
376038 2010 CL_{115}	16.3	X	143.30941	64.90484	344.02593	10.23477	0.1099636	0.18658070	3.0331339	21	3 21.3	20.9
376039 2010 CU_{128}	16.1	X	73.29442	231.52007	267.01399	7.97847	0.1190382	0.18957848	3.0010739	21	4 17.1	20.1
376040 2010 CM_{137}	16.2	X	153.33850	97.14828	321.52022	8.54444	0.0670694	0.19131254	2.9829119	21	4 6.4	20.7
376041 2010 CX_{145}	16.0	X	193.73997	352.98280	69.00729	9.82067	0.2685279	0.20386636	2.8591636	21	5 26.9	21.0
376042 2010 CB_{146}	16.6	X	172.91717	16.34535	57.36980	7.95177	0.2422303	0.20383869	2.8594223	21	5 25.0	21.7
376043 2010 CP_{147}	15.1	X	332.42466	161.44949	359.58461	12.98028	0.0481116	0.16981549	3.2296181	21	—	—
376044 2010 CK_{149}	16.1	X	187.12721	62.23824	312.96756	5.43217	0.0693090	0.19161322	2.9797905	21	3 22.7	20.7
376045 2010 CG_{152}	15.4	X	82.04222	113.98855	356.09672	8.93879	0.0526223	0.18117974	3.0931167	21	3 18.5	19.5
376046 2010 CD_{165}	15.8	X	89.30355	265.93333	161.26487	9.98920	0.0604823	0.17561009	3.1581765	21	2 4.4	20.3
376047 2010 DN_{10}	16.0	X	274.94071	210.44510	14.45545	8.82535	0.0763103	0.16945057	3.2342533	21	1 2.5	20.9
376048 2010 DW_{27}	15.7	X	167.79611	358.55464	100.91078	17.61215	0.0534598	0.18631549	3.0360114	21	6 17.7	20.2
376049 2010 DS_{38}	15.8	X	75.47562	103.30730	347.74384	11.89847	0.1100599	0.17668367	3.1453702	21	2 24.3	20.0
376050 2010 DW_{42}	17.0	X	68.11383	209.03644	266.98578	0.81776	0.1261338	0.17978142	3.1091345	21	3 16.5	21.0
376051 2010 EK_{30}	15.3	X	129.12784	28.88943	48.97581	11.34237	0.1056473	0.18363033	3.0655361	21	4 14.9	19.9
376052 2010 EH_{44}	15.3	X	355.50210	155.81779	40.78574	22.67297	0.0878333	0.17671749	3.1449689	21	3 19.6	19.7
376053 2010 EM_{80}	16.1	X	110.04156	51.71440	10.48016	9.04981	0.0865981	0.17556028	3.1587739	21	3 3.3	20.6
376054 2010 EL_{111}	15.8	X	110.73137	53.50805	47.49258	9.84346	0.1603496	0.18236421	3.0797088	21	4 27.8	20.2
376055 2010 EO_{113}	16.0	X	94.18177	109.37101	355.82261	9.88525	0.0956999	0.18534658	3.0465829	21	4 1.0	20.2
376056 2010 EJ_{127}	16.2	X	59.47879	119.64963	19.25026	13.47772	0.1878924	0.17967619	3.1103484	21	4 10.5	19.9
376057 2010 EH_{147}	17.2	X	271.82343	313.14550	103.01747	6.89874	0.2082884	0.23074177	2.6326021	21	8 4.4	20.7
376058 2010 FX_{7}	16.6	X	73.66100	293.63289	272.95494	3.12821	0.0097063	0.21472277	2.7619596	21	7 2.8	20.3
376059 2010 FY_{14}	15.1	X	111.28548	335.32460	80.19835	16.20071	0.0658730	0.17353783	3.1832686	21	2 26.3	19.9
376060 2010 FT_{16}	16.7	X	53.74735	38.59782	59.20953	2.02283	0.1551321	0.17410019	3.1764100	21	2 4.8	20.5
376061 2010 FF_{82}	14.7	X	202.06908	17.35983	273.25533	24.36153	0.1352175	0.17673245	3.1447915	21	1 1.9	19.8
376062 2010 GU_{28}	14.3	X	141.78552	132.54239	81.41574	11.74435	0.1043144	0.12427370	3.9769479	21	10 11.0	20.5
376063 2010 GT_{134}	15.9	X	91.55259	314.71633	130.86815	2.24205	0.1724261	0.17567975	3.1573416	21	3 19.3	20.1
376064 2010 GX_{141}	16.4	X	51.99190	302.39035	187.11369	9.89109	0.1884265	0.17749972	3.1357224	21	3 16.0	20.1
376065 2010 GR_{144}	16.0	X	70.75215	283.92164	181.70629	11.17860	0.1659288	0.17625497	3.1504684	21	3 13.1	20.0
376066 2010 GT_{145}	15.7	X	353.83017	331.23425	210.34271	24.43558	0.2181488	0.17475083	3.1685207	21	1 23.9	20.0
376067 2010 HY_{30}	12.9	X	41.49412	299.89317	277.19555	20.33645	0.0839085	0.08265223	5.2195492	21	6 15.4	19.5
376068 2010 JQ_{5}	15.2	X	358.00875	154.63086	336.64237	17.09866	0.0856377	0.17065229	3.2190518	21	—	—
376069 2010 LP_{62}	15.6	X	71.97354	272.90651	227.67877	15.86724	0.1551142	0.17794557	3.1304824	21	4 26.7	19.6
376070 2010 NA_{40}	18.3	X	235.80213	327.88565	309.05639	2.86480	0.2631832	0.31789089	2.1262647	21	—	—
376071 2010 OE_{49}	16.8	X	112.99241	166.32504	210.80505	5.32585	0.0838762	0.21039964	2.7996649	21	—	—
376072 2010 TF_{149}	18.1	X	77.52905	219.51783	186.24946	4.90608	0.1164789	0.29840805	2.2178339	21	—	—
376073 2010 TO_{179}	16.7	X	83.28931	208.75750	53.94868	1.49526	0.1335197	0.18040232	3.1019966	21	10 12.0	21.3
376074 2010 US_{30}	17.7	X	2.76188	260.32396	261.28094	3.86808	0.0511126	0.30746010	2.1740868	21	1 3.7	20.0
376075 2010 UY_{35}	17.8	X	330.28338	20.66219	175.95719	4.67505	0.0970978	0.30959458	2.1640825	21	—	—
376076 2010 UF_{36}	17.8	X	72.91817	91.59956	284.42285	6.04588	0.1260937	0.28763881	2.2728515	21	—	—
376077 2010 UN_{52}	17.4	X	182.34622	257.90900	47.99150	6.94257	0.0676304	0.29906416	2.2145890	21	—	—
376078 2010 UV_{61}	17.4	X	21.83517	153.19370	325.53394	5.23902	0.0819703	0.30063235	2.2068810	21	—	—
376079 2010 UU_{72}	17.4	X	166.77421	358.38937	10.80028	3.97761	0.1245032	0.31076383	2.1586509	21	2 12.7	20.2
376080 2010 UL_{77}	17.9	X	26.03289	152.87254	310.35191	5.57797	0.0921312	0.29757853	2.2219536	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376081 2010 UK_{92}	18.2	X	91.46137	196.16677	226.46888	3.93134	0.0956394	0.30480302	2.1867034	21	1 6.6	20.2
376082 2010 VS_{16}	18.1	X	228.28417	21.82547	296.06236	4.83798	0.0568548	0.31684867	2.1309248	21	2 7.4	20.6
376083 2010 VR_{19}	18.2	X	114.77102	353.93073	43.55093	5.23828	0.1614207	0.30528825	2.1843857	21	1 21.1	20.4
376084 Annettepeter	17.3	X	77.03906	78.03662	9.66258	5.36604	0.1100013	0.30546501	2.1835430	21	1 22.8	19.2
376085 2010 VQ_{47}	18.1	X	77.18181	108.52637	293.45480	2.54144	0.1131114	0.29338677	2.2430676	21	—	—
376086 2010 VK_{53}	17.6	X	260.36191	129.45247	80.85774	3.67518	0.0946214	0.29251510	2.2475215	21	—	—
376087 2010 VX_{81}	17.3	X	92.80894	235.72760	62.21396	6.43276	0.1248420	0.27084327	2.3658689	21	12 15.6	20.7
376088 2010 VN_{84}	17.6	X	91.21281	28.11081	52.08223	4.29457	0.1093044	0.30538633	2.1839180	21	2 5.9	19.6
376089 2010 VA_{106}	18.2	X	170.43149	210.30757	121.79546	2.65871	0.1824083	0.30603216	2.1808443	21	1 4.4	21.2
376090 2010 VM_{117}	17.6	X	185.19674	59.54375	311.75716	3.99947	0.1060037	0.31571596	2.1360186	21	3 3.2	20.5
376091 2010 VF_{119}	18.1	X	58.62861	155.28025	212.16957	3.41980	0.1647409	0.28341769	2.2953632	21	—	—
376092 2010 VP_{159}	18.3	X	112.50407	229.83366	164.33769	1.80005	0.1570680	0.30082899	2.2059192	21	1 11.2	20.4
376093 2010 VA_{161}	17.4	X	168.75929	249.86110	42.20995	7.77857	0.1895011	0.29503649	2.2346983	21	—	—
376094 2010 VB_{166}	17.9	X	98.27303	288.15873	66.02434	4.51426	0.0831436	0.29085376	2.2560719	21	—	—
376095 2010 VB_{168}	18.3	X	177.36646	135.82303	229.74566	1.31041	0.1685613	0.31444445	2.1417729	21	2 20.7	21.3
376096 2010 VH_{169}	17.6	X	41.51733	329.74086	59.86403	5.63533	0.0414192	0.28135314	2.3065783	21	—	—
376097 2010 VA_{171}	17.9	X	106.17770	268.61149	59.51901	6.10113	0.1490705	0.28556801	2.2838260	21	—	—
376098 2010 VJ_{174}	17.6	X	175.92854	257.71940	11.81906	7.98068	0.1547809	0.28940153	2.2636129	21	—	—
376099 2010 VP_{184}	17.2	X	112.66756	245.65947	56.56510	8.77993	0.1269805	0.28003191	2.3138278	21	—	—
376100 2010 VB_{192}	17.9	X	161.35547	289.44459	79.64899	5.25150	0.1765854	0.31075980	2.1586695	21	2 12.7	20.9
376101 2010 VB_{211}	17.5	X	261.69101	224.72212	351.51037	5.14111	0.0645043	0.29589852	2.2303560	21	—	—
376102 2010 VS_{215}	17.4	X	302.11782	56.36721	63.32300	5.94897	0.0764361	0.27772830	2.3266048	21	—	—
376103 2010 WK_{2}	17.9	X	139.38882	283.60752	79.47371	4.28925	0.1737421	0.30347544	2.1930760	21	1 9.2	20.4
376104 2010 WQ_{50}	17.7	X	157.26544	247.11753	84.64094	4.84447	0.1910332	0.29958665	2.2120133	21	—	—
376105 2010 WL_{55}	18.2	X	48.92191	343.96151	93.60679	5.86645	0.1534254	0.28939432	2.2636505	21	—	—
376106 2010 WB_{56}	18.3	X	133.88388	113.53926	273.51974	4.97106	0.1570771	0.30575765	2.1821495	21	1 30.2	20.8
376107 2010 WD_{65}	17.4	X	356.60050	157.73906	270.69777	4.97019	0.1001483	0.27779905	2.3262098	21	—	—
376108 2010 WK_{65}	17.8	X	154.75867	285.13382	85.15611	7.30836	0.1855551	0.30305646	2.1950969	21	2 9.7	20.8
376109 2010 WY_{65}	18.0	X	14.15083	48.44711	40.53209	3.22771	0.1665498	0.28285983	2.2983802	21	—	—
376110 2010 WL_{70}	17.9	X	358.92373	125.52140	30.50646	1.65520	0.0940379	0.30099850	2.2050909	21	—	—
376111 2010 XY_{12}	17.5	X	257.59004	23.89283	91.93733	2.20977	0.1417150	0.25723182	2.4486098	21	10 18.7	20.5
376112 2010 XU_{14}	17.8	X	127.91433	251.73519	106.16219	5.78646	0.1863617	0.29831685	2.2182859	21	—	—
376113 2010 XQ_{32}	18.1	X	71.51776	70.50193	320.02168	5.23754	0.1061208	0.28940427	2.2635986	21	—	—
376114 2010 XY_{34}	18.0	X	99.16164	142.13391	231.39250	2.19346	0.0662417	0.29168341	2.2517918	21	—	—
376115 2010 XB_{45}	18.0	X	162.19872	236.42264	131.88048	4.15690	0.1463463	0.30988537	2.1627285	21	2 7.5	20.7
376116 2010 XQ_{85}	17.8	X	81.72416	21.78449	54.12364	3.36490	0.1058863	0.30469685	2.1872113	21	1 11.8	19.7
376117 2011 AB	17.6	X	307.95688	317.29661	127.57692	5.39313	0.1663203	0.26219107	2.4176353	21	11 29.1	19.7
376118 2011 AH_{7}	17.6	X	340.80483	296.32597	115.91902	5.60222	0.1235576	0.26554117	2.3972582	21	12 15.6	19.9
376119 2011 AG_{8}	18.1	X	64.80914	358.46382	96.70681	2.40989	0.1628233	0.29621409	2.2287717	21	1 15.6	19.7
376120 2011 AP_{12}	17.3	X	283.65501	214.92962	264.57571	4.15894	0.1770569	0.26407985	2.4060937	21	11 29.5	19.6
376121 2011 AP_{13}	16.4	X	0.04252	18.36037	336.06685	8.68567	0.2276019	0.25761342	2.4461912	21	11 2.6	18.6
376122 2011 AC_{24}	16.8	X	304.32184	143.35759	329.03483	5.85774	0.0712640	0.26805329	2.3822570	21	—	—
376123 2011 AT_{28}	18.1	X	52.14280	272.87542	164.64785	2.58911	0.1825589	0.28805587	2.2706571	21	—	—
376124 2011 AK_{33}	17.2	X	241.37750	167.20493	16.16570	2.59825	0.1530945	0.26514108	2.3996691	21	12 25.1	20.0
376125 2011 AM_{35}	16.4	X	252.48606	231.30486	290.48138	12.83520	0.0609346	0.26319889	2.4114597	21	12 26.1	19.3
376126 2011 AH_{45}	16.7	X	122.49031	219.06972	303.95936	6.19929	0.1970570	0.22623926	2.6674159	21	7 29.4	20.9
376127 2011 AJ_{45}	17.6	X	279.94090	116.61451	341.93649	0.83032	0.1369929	0.25594253	2.4568260	21	10 27.6	20.2
376128 2011 AV_{45}	17.9	X	253.01752	313.34140	185.08559	0.83623	0.1260421	0.25650371	2.4532414	21	11 13.5	20.7
376129 2011 AD_{46}	16.6	X	40.11976	271.34266	300.87838	6.28916	0.1573577	0.21483511	2.7609966	21	6 9.8	19.7
376130 2011 AG_{46}	16.4	X	94.08405	75.21308	136.48206	14.60760	0.0851225	0.23058861	2.6337678	21	8 18.8	19.9
376131 2011 AH_{56}	17.7	X	321.92785	134.86443	308.59583	2.73950	0.0952406	0.26354134	2.4093703	21	12 24.4	20.0
376132 2011 AN_{63}	17.1	X	355.72179	267.86623	130.40280	5.32487	0.1730379	0.26208271	2.4183017	21	12 27.3	19.4
376133 2011 AR_{63}	17.4	X	330.63897	175.48875	311.09018	6.44067	0.1801131	0.27431781	2.3458490	21	—	—
376134 2011 AP_{65}	16.9	X	5.07449	136.69084	112.88370	8.95160	0.1564939	0.21744416	2.7388667	21	5 28.0	19.7
376135 2011 AX_{66}	18.3	X	68.78061	180.35366	240.50804	0.58880	0.2042630	0.28859604	2.2678229	21	—	—
376136 2011 AO_{68}	17.7	X	265.72658	229.41313	268.25023	0.38503	0.0901683	0.25916842	2.4363967	21	12 6.8	20.5
376137 2011 AW_{68}	17.4	X	313.59576	307.25126	145.59433	4.16030	0.1263447	0.26247352	2.4159006	21	12 22.8	19.6
376138 2011 AK_{73}	16.6	X	171.99050	12.44019	104.14278	9.46343	0.0770611	0.23399735	2.6081271	21	7 14.1	20.5
376139 2011 BR_{1}	17.0	X	297.68189	356.93596	321.58874	9.52722	0.0904938	0.22645988	2.6656832	21	5 11.9	20.7
376140 2011 BD_{3}	17.3	X	225.25529	151.79331	52.32370	3.57253	0.1136603	0.26868447	2.3785247	21	—	—
376141 2011 BZ_{4}	18.2	X	75.03746	192.34165	200.41675	1.97425	0.2127690	0.28592396	2.2819302	21	—	—
376142 2011 BK_{16}	18.3	X	339.06741	122.88118	344.91442	1.03476	0.1420621	0.27195873	2.3593953	21	—	—
376143 2011 BW_{19}	16.0	X	129.60225	194.90596	336.16158	13.50859	0.0343485	0.22948511	2.6422042	21	8 5.3	19.7
376144 2011 BZ_{19}	16.4	X	9.61667	222.20486	336.94692	14.21486	0.0856924	0.20369207	2.8607943	21	3 22.3	20.0
376145 2011 BG_{20}	17.0	X	129.28086	310.23644	184.78002	4.54555	0.0575311	0.21966212	2.7203990	21	6 16.8	20.8
376146 2011 BX_{27}	16.5	X	240.75385	86.35905	334.02903	6.99716	0.0461471	0.22984136	2.6394732	21	7 25.2	20.0
376147 2011 BL_{28}	16.4	X	259.41546	152.88785	125.23680	13.51015	0.1095628	0.19871328	2.9083820	21	2 9.3	20.8
376148 2011 BM_{31}	17.0	X	316.56232	50.19297	56.65686	3.17496	0.0787058	0.26714349	2.3876628	21	—	—
376149 2011 BP_{32}	18.1	X	28.75791	277.81220	173.97387	3.20644	0.1586783	0.28425162	2.2908716	21	—	—
376150 2011 BP_{34}	17.3	X	14.39796	153.54875	254.85783	1.82265	0.0808471	0.26782206	2.3836280	21	—	—
376151 2011 BE_{59}	16.8	X	276.93887	42.05167	293.81890	5.19912	0.0458252	0.21871506	2.7282464	21	5 16.9	20.5
376152 2011 BN_{66}	17.2	X	32.08567	35.29043	191.20844	5.16508	0.0506659	0.21955337	2.7212972	21	6 6.1	20.6
376153 2011 BT_{69}	17.8	X	257.12141	116.69286	332.19077	2.03553	0.0455277	0.24710187	2.5150813	21	9 23.3	20.8
376154 2011 BQ_{72}	18.6	X	16.79212	228.80776	197.57085	4.34629	0.2290742	0.27425510	2.3462066	21	—	—
376155 2011 BP_{75}	16.3	X	333.42788	150.96069	169.30144	14.12723	0.0825978	0.22647857	2.6655365	21	7 12.4	19.8
376156 2011 BH_{79}	17.4	X	334.94226	354.39772	97.83125	6.42512	0.1495793	0.27019234	2.3696672	21	—	—
376157 2011 BE_{81}	17.4	X	225.79383	327.51035	183.48313	4.05308	0.1295296	0.25249314	2.4791511	21	10 25.9	20.7
376158 2011 BD_{86}	17.1	X	223.78357	241.11015	297.39314	11.39221	0.0167137	0.25759521	2.4463065	21	12 14.5	20.3
376159 2011 BF_{86}	17.8	X	249.49428	290.99101	176.17731	8.04026	0.1074168	0.24722422	2.5142514	21	9 29.5	21.1
376160 2011 BZ_{99}	16.4	X	28.24425	333.51061	272.75706	5.95859	0.0942360	0.22040046	2.7143201	21	6 30.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376161 2011 BU_{105}	17.1	X	240.82214	82.66333	288.97901	3.30162	0.0991364	0.22100847	2.7093396	21	5 12.9	21.2
376162 2011 BG_{118}	17.5	X	260.74103	136.87609	319.58118	5.36264	0.0463343	0.25031587	2.4935063	21	10 6.8	20.7
376163 2011 BO_{123}	16.2	X	29.76579	274.01131	337.85859	16.27045	0.1191445	0.22381615	2.6866336	21	7 19.5	19.5
376164 2011 BJ_{127}	17.2	X	354.54569	153.86483	122.43583	3.87771	0.0500446	0.22354755	2.6887852	21	6 17.3	20.4
376165 2011 BG_{130}	16.7	X	286.97410	193.00308	144.46978	14.02413	0.1487494	0.22545553	2.6735939	21	5 21.7	20.6
376166 2011 BT_{130}	16.9	X	257.18832	64.27814	266.70323	2.84459	0.1011043	0.21455571	2.7633931	21	4 9.2	20.9
376167 2011 BC_{134}	17.2	X	352.25348	162.05559	85.90518	4.65041	0.1419939	0.21669647	2.7451631	21	4 30.4	20.1
376168 2011 BN_{145}	16.9	X	42.19880	147.37552	105.39669	3.43538	0.1001191	0.22997428	2.6384561	21	8 4.2	19.9
376169 2011 BH_{162}	15.2	X	220.90854	342.54082	295.25115	12.31259	0.1015639	0.17889238	3.1194270	21	1 5.8	20.2
376170 2011 CL_{9}	15.9	X	275.36210	98.81827	134.28336	5.44025	0.2191982	0.18454514	3.0553970	21	—	
376171 2011 CV_{11}	17.3	X	46.51595	330.82777	297.81686	1.42543	0.0742697	0.23455235	2.6040112	21	8 28.7	20.5
376172 2011 CL_{14}	16.9	X	7.94315	95.02533	125.76322	1.32564	0.0144018	0.21307367	2.7761922	21	4 23.9	20.6
376173 2011 CW_{14}	17.5	X	17.36976	87.57599	308.68956	2.63577	0.1294620	0.26590443	2.3950744	21	—	—
376174 2011 CK_{15}	16.8	X	266.91221	45.84584	313.44380	4.67490	0.0741053	0.22582583	2.6706705	21	5 31.1	20.5
376175 2011 CT_{15}	17.0	X	260.23427	338.57057	113.58695	8.27923	0.0414760	0.24606026	2.5221741	21	10 7.7	20.3
376176 2011 CH_{17}	17.6	X	15.05135	328.81115	116.44868	6.26038	0.1982318	0.27801109	2.3250268	21	—	—
376177 2011 CX_{17}	18.0	X	355.37641	55.66994	40.17412	2.00650	0.1359176	0.27436976	2.3455528	21	—	—
376178 2011 CL_{27}	17.1	X	265.98343	54.58297	115.60511	3.01223	0.1208241	0.26518985	2.3993750	21	—	—
376179 2011 CB_{31}	17.8	X	262.72942	4.22205	121.98563	3.03862	0.1320835	0.25717859	2.4489477	21	11 10.9	20.8
376180 2011 CD_{32}	17.2	X	285.69205	151.03326	173.47332	4.50516	0.0570792	0.21786822	2.7353115	21	5 14.1	20.9
376181 2011 CT_{32}	17.4	X	70.53563	208.37986	70.76593	1.98038	0.0382621	0.24578389	2.5240644	21	10 12.6	20.7
376182 2011 CB_{35}	16.6	X	35.96773	296.60649	312.84859	6.84080	0.1004720	0.22318618	2.6916868	21	7 20.1	19.7
376183 2011 CS_{35}	16.1	X	359.00593	293.40558	321.72467	11.10202	0.0895614	0.21837110	2.7311105	21	5 21.1	19.6
376184 2011 CX_{41}	17.7	X	271.89262	142.34433	284.79130	3.65372	0.1654991	0.24506222	2.5290174	21	8 24.6	20.8
376185 2011 CR_{48}	16.7	X	48.71061	298.91520	19.02502	5.77723	0.0149699	0.25162040	2.4848804	21	10 30.7	19.9
376186 2011 CE_{51}	17.0	X	299.75049	358.37660	334.72625	2.71999	0.0739099	0.22444978	2.6815749	21	6 9.9	20.4
376187 2011 CT_{51}	17.9	X	358.81858	66.40021	332.18994	2.99834	0.1135600	0.26020981	2.4298918	21	12 24.1	20.4
376188 2011 CT_{53}	15.6	X	12.76539	50.53730	106.91325	11.18122	0.0549838	0.19234071	2.9722722	21	2 11.3	19.5
376189 2011 CG_{62}	17.3	X	343.17336	188.64195	149.57884	9.85741	0.1368461	0.23771924	2.5808326	21	8 25.6	19.6
376190 2011 CN_{65}	16.5	X	267.90550	300.36231	151.68567	12.32755	0.0847060	0.24079404	2.5588150	21	10 10.2	19.8
376191 2011 CU_{66}	18.1	X	22.82169	282.05496	160.89923	2.94602	0.2081456	0.28135847	2.3065492	21	—	—
376192 2011 CE_{67}	17.6	X	38.54126	355.56580	46.97102	1.92083	0.1390366	0.27150202	2.3620405	21	—	—
376193 2011 CB_{68}	17.0	X	59.96042	165.30637	57.86508	2.78480	0.0615281	0.22385052	2.6863586	21	7 14.6	20.5
376194 2011 CQ_{71}	16.3	X	130.36441	181.59029	346.92133	12.90866	0.1784168	0.22682587	2.6628150	21	8 14.9	20.6
376195 2011 CL_{72}	17.3	X	330.77058	300.53117	147.14291	5.35587	0.1982389	0.26575318	2.3959830	21	—	—
376196 2011 CD_{73}	17.1	X	296.00588	99.35284	43.44288	1.96448	0.1313016	0.26666187	2.3905368	21	—	—
376197 2011 CR_{75}	17.1	X	292.76364	100.27626	56.55476	5.70369	0.1155492	0.26750295	2.3855233	21	—	—
376198 2011 CN_{81}	16.0	X	329.80478	348.89880	159.14082	17.47143	0.0407427	0.18123655	3.0924702	21	—	—
376199 2011 CO_{86}	16.6	X	326.13043	293.42192	290.52162	4.89193	0.0369500	0.20028394	2.8931568	21	2 27.9	20.5
376200 2011 CP_{116}	17.9	X	348.25583	232.44404	160.52287	1.38170	0.1904852	0.25505879	2.4624978	21	12 5.3	19.9
376201 2011 CA_{117}	16.6	X	311.67659	51.78333	239.03710	3.94827	0.0968863	0.21185482	2.7868300	21	4 27.5	20.1
376202 2011 DP_{1}	17.7	X	331.00356	245.73018	221.92790	0.78304	0.1452676	0.26986014	2.3716115	21	—	—
376203 2011 DE_{2}	17.8	X	323.39056	139.76702	344.36090	2.23150	0.1616750	0.27118154	2.3639011	21	—	—
376204 2011 DD_{4}	17.4	X	302.23296	282.53053	204.34727	1.11453	0.1329503	0.26465139	2.4026284	21	—	—
376205 2011 DV_{9}	16.9	X	95.24430	263.06301	294.83279	1.61604	0.1304269	0.22245908	2.6975487	21	8 6.8	20.6
376206 2011 DT_{11}	17.2	X	199.71889	328.29284	166.11415	12.77715	0.2117305	0.23697336	2.5862452	21	8 29.4	21.5
376207 2011 DD_{12}	16.8	X	303.01240	183.92265	154.12827	8.19420	0.1012572	0.22756024	2.6570831	21	6 18.2	20.2
376208 2011 DH_{15}	17.3	X	41.66791	329.61137	266.99067	1.55814	0.0289720	0.22391174	2.6858689	21	7 1.7	20.7
376209 2011 DA_{18}	17.0	X	354.17646	316.46922	22.55391	2.75468	0.1591804	0.23090317	2.6313753	21	9 18.9	19.5
376210 2011 DB_{24}	16.6	X	300.29885	252.74248	149.23632	10.21049	0.1218195	0.23552890	2.5968084	21	9 11.6	19.6
376211 2011 DJ_{24}	16.7	X	92.74370	278.50260	303.82471	3.17536	0.1851719	0.22667371	2.6640065	21	9 10.7	20.7
376212 2011 DU_{28}	17.7	X	324.14772	261.68252	196.92427	0.71049	0.1367962	0.26553743	2.3972807	21	—	—
376213 2011 DO_{29}	17.6	X	359.55212	92.28190	316.26588	3.05189	0.0982655	0.26160968	2.4212159	21	—	—
376214 2011 DN_{35}	16.9	X	269.71571	38.92504	164.33719	1.85184	0.1326045	0.17489021	3.1668371	21	—	—
376215 2011 DK_{42}	17.3	X	344.17400	341.31643	110.95517	3.03799	0.1826746	0.26789694	2.3831839	21	—	—
376216 2011 EZ_{2}	16.5	X	217.25312	300.50241	307.09316	4.21467	0.1729660	0.17278510	3.1925070	21	—	—
376217 2011 EQ_{4}	16.2	X	117.44974	327.49510	193.37204	14.30049	0.1746373	0.21566686	2.7538933	21	7 16.8	20.7
376218 2011 EZ_{6}	15.3	X	346.30267	73.52440	69.85456	10.55057	0.0303654	0.18035474	3.1025420	21	—	—
376219 2011 ER_{12}	17.2	X	316.42456	41.01326	98.38012	3.14186	0.1445462	0.26854142	2.3793693	21	—	—
376220 2011 EG_{13}	16.8	X	66.24436	189.01654	4.12748	3.85502	0.1359828	0.21583567	2.7524572	21	6 23.4	20.3
376221 2011 EH_{15}	17.0	X	285.94283	94.62951	152.07312	2.53691	0.0961568	0.19190270	2.9767932	21	2 1.5	21.3
376222 2011 EK_{17}	16.7	X	169.15891	48.55481	108.66471	8.50760	0.1379775	0.23279353	2.6171108	21	9 5.1	20.9
376223 2011 EB_{24}	17.8	X	304.65356	311.43044	144.10516	2.53300	0.1354576	0.25774148	2.4453809	21	12 8.0	20.1
376224 2011 ET_{24}	15.9	X	264.42975	193.92072	22.48894	8.98085	0.1259941	0.17247426	3.1963416	21	—	—
376225 2011 ED_{25}	15.7	X	206.65345	282.54279	10.20340	14.07573	0.0460453	0.17828447	3.1265140	21	1 11.5	20.6
376226 2011 EG_{27}	17.3	X	153.96758	128.76799	5.93976	11.44737	0.1341071	0.22369013	2.6876425	21	7 23.5	21.7
376227 2011 EL_{35}	16.9	X	62.03356	241.45348	355.82087	2.22801	0.0456423	0.22420158	2.6835536	21	8 3.9	20.5
376228 2011 EH_{37}	15.6	X	188.95566	293.35898	22.10954	15.95123	0.0932637	0.17915602	3.1163660	21	1 22.7	20.7
376229 2011 EB_{40}	17.1	X	335.67632	169.27659	304.68824	4.83636	0.1747162	0.26958259	2.3732391	21	—	—
376230 2011 ER_{41}	18.0	X	332.86055	65.31817	34.98606	2.84157	0.1728880	0.26591222	2.3950276	21	—	—
376231 2011 EE_{42}	16.5	X	250.95744	223.05823	142.70234	6.62189	0.0518680	0.21383729	2.7695790	21	5 25.6	20.5
376232 2011 EO_{42}	16.6	X	164.93453	6.21625	150.28269	7.91662	0.1373855	0.23093943	2.6310998	21	8 28.1	20.7
376233 2011 EZ_{43}	15.6	X	325.63102	197.43036	7.85083	11.23725	0.0959114	0.18437416	3.0572857	21	2 5.4	19.8
376234 2011 EN_{44}	15.8	X	273.59086	341.00052	28.89877	6.27315	0.0084999	0.21883522	2.7272476	21	7 5.1	19.5
376235 2011 EV_{44}	15.8	X	36.37639	201.79655	11.69833	17.67686	0.0519303	0.20850263	2.8166207	21	5 19.6	19.7
376236 2011 EX_{44}	16.0	X	264.82701	192.61527	27.21947	9.32121	0.0437624	0.17473113	3.1687589	21	—	—
376237 2011 EN_{45}	16.2	X	239.34181	260.17024	96.76328	3.09441	0.0818321	0.20597994	2.8395712	21	4 27.2	20.3
376238 2011 EC_{50}	15.7	X	80.94377	339.30758	122.87233	12.91554	0.0055687	0.19469705	2.9482420	21	3 2.6	19.9
376239 2011 EO_{50}	16.6	X	211.35759	3.85413	64.93381	9.98888	0.0387699	0.22169542	2.7037399	21	6 28.1	20.4
376240 2011 EM_{53}	15.4	X	222.36643	239.76752	48.24702	13.84268	0.1331722	0.17504251	3.1649999	21	1 20.9	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376241 2011 EG_{55}	15.3	X	180.48653	280.27428	23.24250	12.89871	0.1128773	0.17151226	3.2082825	21	—	—
376242 2011 EE_{68}	15.6	X	229.97135	104.30211	174.91959	8.83151	0.0865454	0.18075538	3.0979559	21	1 14.4	20.5
376243 2011 EA_{69}	16.2	X	225.20009	275.72914	112.43245	7.30080	0.0877222	0.21088106	2.7954024	21	5 21.1	20.4
376244 2011 EM_{73}	17.1	X	333.64223	12.25244	99.46646	3.39379	0.1684310	0.26883055	2.3776630	21	—	—
376245 2011 ES_{75}	17.2	X	205.42795	314.85956	190.90066	13.35251	0.2071260	0.24022211	2.5628748	21	9 17.3	21.4
376246 2011 ES_{77}	16.8	X	199.69920	348.83199	144.59940	12.60183	0.3764634	0.23684443	2.5871837	21	8 22.3	21.8
376247 2011 EK_{81}	17.4	X	174.46359	155.20600	354.49012	3.07362	0.0929862	0.23315373	2.6144147	21	8 29.8	21.3
376248 2011 EU_{82}	17.4	X	357.63546	280.11240	167.08538	12.49666	0.1825002	0.26841692	2.3801050	21	—	—
376249 2011 EL_{83}	16.9	X	126.09802	40.84496	91.37281	0.52107	0.0143849	0.21425011	2.7660202	21	6 3.7	20.7
376250 2011 ES_{83}	16.1	X	236.13225	152.30295	118.63217	2.23616	0.1429865	0.17943796	3.1131007	21	1 9.9	21.1
376251 2011 EF_{84}	16.8	X	195.60476	282.43031	150.27177	5.60805	0.0412637	0.21765673	2.7370831	21	6 14.5	20.8
376252 2011 EV_{85}	16.0	X	290.24924	290.66781	69.82148	7.34214	0.0458494	0.21986064	2.7187612	21	7 9.3	19.6
376253 2011 FV_{1}	16.1	X	173.35516	66.87411	48.43677	5.85874	0.0107548	0.21985056	2.7188442	21	7 13.9	19.9
376254 2011 FW_{1}	16.4	X	10.67864	181.60672	346.37259	10.83186	0.0661948	0.19065422	2.9897745	21	2 21.1	20.2
376255 2011 FB_{2}	15.4	X	309.61200	17.97798	205.75792	27.81655	0.1213153	0.18167833	3.0874550	21	1 24.8	20.4
376256 2011 FU_{2}	16.6	X	213.18922	13.49780	137.40596	18.19340	0.0908607	0.24215310	2.5492320	21	10 20.5	20.6
376257 2011 FC_{6}	16.3	X	7.96953	128.41897	81.78326	5.88381	0.0517492	0.19840124	2.9114308	21	4 12.9	20.1
376258 2011 FS_{7}	16.4	X	128.54114	315.55890	199.73816	13.01293	0.1294936	0.21610934	2.7501330	21	7 16.9	20.8
376259 2011 FY_{7}	16.5	X	345.78261	189.59263	11.16640	1.85719	0.1487631	0.18926373	3.0044002	21	2 16.9	20.0
376260 2011 FF_{10}	15.6	X	262.72309	107.82989	174.00298	21.66600	0.0869978	0.19135143	2.9825077	21	2 17.5	20.2
376261 2011 FX_{13}	15.2	X	205.59788	276.13902	27.52261	18.18335	0.0986398	0.17581594	3.1557109	21	1 26.8	20.5
376262 2011 FJ_{18}	16.7	X	220.25669	148.76852	346.63502	3.00831	0.1346030	0.23864319	2.5741668	21	9 26.0	20.4
376263 2011 FR_{18}	17.0	X	168.88376	332.72215	176.05142	6.49802	0.0465749	0.22586021	2.6703994	21	8 20.3	20.9
376264 2011 FD_{19}	15.5	X	231.05815	214.46636	31.51600	8.18797	0.0985436	0.16987451	3.2288700	21	—	—
376265 2011 FO_{21}	16.2	X	189.09788	236.77014	144.53096	8.92096	0.1014527	0.19553126	2.9398506	21	4 6.8	20.8
376266 2011 FJ_{24}	16.3	X	319.92827	35.34679	181.56475	5.63820	0.0284830	0.18860720	3.0113683	21	2 15.2	20.4
376267 2011 FW_{24}	16.2	X	288.17235	167.34971	75.18144	10.76087	0.0305286	0.18448834	3.0560240	21	2 12.9	20.7
376268 2011 FT_{28}	15.5	X	272.93088	147.10237	94.36217	13.49874	0.1915666	0.17779594	3.1322384	21	1 5.8	20.6
376269 2011 FG_{32}	16.1	X	315.89300	207.15292	20.22078	8.65786	0.0714500	0.18339731	3.0681322	21	2 22.8	20.4
376270 2011 FQ_{41}	15.4	X	201.70272	159.59689	114.72229	13.55846	0.0304346	0.17318010	3.1876508	21	—	—
376271 2011 FX_{43}	17.2	X	265.71785	81.52945	21.80806	3.34934	0.0702810	0.24303459	2.5430642	21	10 20.9	20.4
376272 2011 FY_{43}	16.4	X	179.90404	53.11458	15.60479	6.20260	0.0400932	0.21018649	2.8015574	21	5 19.5	20.4
376273 2011 FG_{44}	16.8	X	265.62867	254.42351	184.54203	14.28717	0.0944630	0.23631188	2.5910692	21	9 11.8	20.3
376274 2011 FQ_{45}	15.9	X	317.90788	53.68645	156.36288	5.94961	0.1060729	0.18177964	3.0863077	21	1 26.4	20.0
376275 2011 FM_{47}	15.7	X	210.69668	258.31419	44.34133	12.85488	0.1323908	0.17145037	3.2090545	21	1 28.8	21.0
376276 2011 FW_{55}	16.4	X	9.89538	267.74521	359.01509	6.82464	0.0154462	0.21558321	2.7546056	21	6 27.3	20.1
376277 2011 FG_{62}	16.8	X	99.72888	337.39383	195.42702	4.46868	0.0175587	0.21347508	2.7727109	21	6 23.5	20.7
376278 2011 FB_{71}	17.0	X	112.34706	45.40918	105.57818	1.74710	0.0130623	0.21400491	2.7681326	21	6 10.6	20.7
376279 2011 FT_{72}	17.0	X	144.82077	100.69543	14.31216	4.33999	0.0283147	0.21593947	2.7515750	21	6 5.9	20.8
376280 2011 FO_{73}	17.7	X	228.21354	294.55288	168.91455	3.57477	0.1598931	0.23768576	2.5810749	21	8 21.5	21.6
376281 2011 FS_{73}	16.8	X	208.30331	238.21351	167.68669	8.58303	0.1633040	0.21840360	2.7308396	21	5 22.3	21.4
376282 2011 FH_{74}	16.2	X	185.04447	125.41985	175.85242	0.99530	0.1604767	0.17427673	3.1742645	21	1 1.7	21.4
376283 2011 FR_{77}	16.7	X	70.54844	215.47720	26.26396	5.74338	0.0974623	0.22421135	2.6834756	21	8 31.9	20.3
376284 2011 FO_{78}	16.1	X	253.45231	289.49022	66.04502	6.41518	0.0584419	0.20963022	2.8065112	21	5 13.6	20.1
376285 2011 FH_{79}	16.6	X	289.79514	216.05057	143.44728	6.77069	0.0414872	0.22017338	2.7161860	21	7 7.1	20.2
376286 2011 FD_{80}	17.0	X	310.77973	15.76309	65.63887	5.39990	0.1523688	0.25201223	2.4823041	21	11 26.1	19.2
376287 2011 FH_{82}	15.9	X	250.50745	56.33301	191.77154	10.48903	0.0353917	0.17682435	3.1437017	21	1 3.4	20.7
376288 2011 FW_{82}	16.4	X	303.40947	232.59064	46.62372	3.32752	0.0501818	0.19932987	2.9023812	21	4 10.6	20.3
376289 2011 FL_{83}	17.1	X	216.88244	256.48547	157.62563	5.08604	0.0663421	0.21494589	2.7600479	21	6 14.1	21.2
376290 2011 FT_{89}	16.5	X	299.78161	183.79674	199.64704	12.18928	0.0614794	0.22926837	2.6438692	21	8 17.8	20.0
376291 2011 FG_{90}	16.5	X	170.07757	35.90453	351.26102	9.26266	0.0868160	0.19762802	2.9190198	21	3 20.8	20.9
376292 2011 FY_{97}	16.6	X	277.90480	84.20092	303.57763	1.60005	0.0845989	0.22542575	2.6738295	21	7 23.0	20.1
376293 2011 FK_{101}	16.4	X	322.47780	243.07797	348.67987	4.32166	0.1280685	0.19030902	2.9933888	21	2 24.6	20.4
376294 2011 FJ_{102}	16.4	X	63.99428	311.73887	187.01801	14.93812	0.0927679	0.20332851	2.8642035	21	4 1.9	20.0
376295 2011 FE_{108}	16.5	X	106.97245	227.56639	267.30181	3.66243	0.1070141	0.20995327	2.8036316	21	5 26.5	20.3
376296 2011 FA_{125}	15.6	X	235.46746	304.95578	339.92875	10.68350	0.0969347	0.18081001	3.0973318	21	1 29.5	20.4
376297 2011 FL_{131}	17.4	X	229.63245	240.94141	228.30319	4.18015	0.1500929	0.23865653	2.5740708	21	8 30.2	21.3
376298 2011 FH_{132}	15.6	X	138.05246	165.20736	344.74817	26.24868	0.1153235	0.21960989	2.7208303	21	8 1.4	20.1
376299 2011 FC_{138}	17.2	X	62.56527	295.56543	215.86346	1.38253	0.0117291	0.20163368	2.8802311	21	4 6.6	20.9
376300 2011 FX_{140}	16.7	X	33.77368	235.33266	65.66737	7.49720	0.0269002	0.23199950	2.6230789	21	9 21.9	20.2
376301 2011 FY_{142}	16.5	X	52.18742	178.51286	42.53457	9.77560	0.0815564	0.21098532	2.7944814	21	7 2.9	20.2
376302 2011 FF_{147}	15.8	X	304.45647	244.10402	28.38257	24.69206	0.0884157	0.19331921	2.9622341	21	4 4.0	20.0
376303 2011 FK_{148}	15.7	X	265.55594	23.70989	186.56884	32.24604	0.0473602	0.16956005	3.2328609	21	—	—
376304 2011 FU_{149}	15.3	X	328.45483	291.36202	254.90169	20.44886	0.0678182	0.18336251	3.0685204	21	1 11.9	19.8
376305 2011 FH_{150}	16.2	X	170.01799	48.30311	52.89788	14.70794	0.1154531	0.21371573	2.7706291	21	6 21.4	20.7
376306 2011 FW_{157}	15.9	X	179.42328	275.46740	90.14986	12.56903	0.0876405	0.19196509	2.9761482	21	3 12.2	20.6
376307 2011 FX_{157}	16.2	X	33.00617	238.65276	46.41575	15.07352	0.0692049	0.22488417	2.6781205	21	9 8.4	19.9
376308 2011 GD_{4}	16.1	X	344.74230	252.62470	48.88934	7.11128	0.0605123	0.21294462	2.7773137	21	7 7.6	19.6
376309 2011 GN_{6}	16.4	X	232.04504	266.01449	127.66436	6.95480	0.1300749	0.21467731	2.7623495	21	5 31.6	20.7
376310 2011 GU_{14}	15.8	X	32.87678	119.40898	350.17671	10.32827	0.0579827	0.18014583	3.1049402	21	1 13.9	20.0
376311 2011 GE_{21}	16.0	X	313.19753	248.53255	340.57102	10.74654	0.0779053	0.18704658	3.0280953	21	2 17.7	20.1
376312 2011 GV_{28}	16.5	X	212.33579	281.07699	130.11833	5.30893	0.0705915	0.21433790	2.7652649	21	6 5.2	20.5
376313 2011 GZ_{30}	15.9	X	163.09164	120.34548	204.12426	9.93833	0.0316884	0.17044448	3.2216678	21	—	—
376314 2011 GA_{32}	16.2	X	192.45352	268.71151	221.88883	11.53061	0.1242235	0.22591771	2.6699464	21	8 17.5	20.6
376315 2011 GE_{32}	16.9	X	145.51706	55.74310	73.28966	5.55723	0.0657363	0.21109529	2.7935108	21	6 29.3	20.9
376316 2011 GZ_{33}	16.5	X	353.68627	250.24616	305.20016	2.17169	0.0616281	0.19003244	2.9962926	21	3 1.6	20.4
376317 2011 GC_{34}	16.8	X	160.14202	109.15882	5.80428	8.89563	0.1604815	0.21747159	2.7386363	21	7 2.7	21.4
376318 2011 GX_{36}	16.4	X	221.30707	284.89811	214.43147	21.06881	0.0788709	0.23681571	2.5873929	21	10 6.8	20.2
376319 2011 GJ_{45}	17.2	X	228.71446	292.56002	171.87388	4.95113	0.1409269	0.23436243	2.6054178	21	8 24.9	20.9
376320 2011 GW_{45}	16.2	X	296.88247	187.71694	34.48829	6.96966	0.0865697	0.18243131	3.0789535	21	1 20.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376321 2011 GF_{47}	16.3	X	194.76518	303.14063	208.75177	12.34195	0.1050227	0.23100974	2.6305659	21	9 19.4	20.4
376322 2011 GX_{47}	16.5	X	227.78439	182.39107	195.70718	10.26673	0.0601222	0.20664060	2.8335156	21	5 13.0	20.7
376323 2011 GE_{48}	16.7	X	235.00872	193.10920	211.20010	3.50706	0.0737322	0.21441070	2.7646389	21	6 21.5	20.7
376324 2011 GN_{49}	16.6	X	9.01458	152.28141	11.84499	1.74083	0.1497313	0.18697679	3.0288487	21	2 8.5	19.9
376325 2011 GV_{49}	17.1	X	161.01046	315.11816	194.01656	3.29874	0.0849383	0.22276038	2.6951157	21	8 12.2	21.2
376326 2011 GE_{50}	16.2	X	256.49372	287.44025	93.59748	6.58616	0.0898149	0.21602870	2.7508173	21	6 15.1	19.9
376327 2011 GM_{61}	16.7	X	216.81196	352.81378	102.90369	10.80633	0.1230927	0.22458857	2.6804700	21	8 4.0	20.8
376328 2011 GS_{63}	16.0	X	302.85202	184.78425	25.88940	10.93139	0.1670489	0.17651019	3.1474309	21	1 3.8	20.8
376329 2011 GP_{67}	16.2	X	194.31290	130.76921	53.08545	13.89226	0.0935791	0.23970659	2.5665480	21	11 4.5	19.9
376330 2011 GY_{72}	16.0	X	243.69225	66.21074	196.86733	7.79849	0.0503571	0.17547670	3.1597768	21	1 12.4	20.8
376331 2011 GY_{74}	15.5	X	183.31007	224.07922	95.75713	6.02716	0.1351133	0.17255856	3.1953005	21	1 20.9	20.6
376332 2011 GO_{75}	15.4	X	195.18077	263.26396	50.56133	15.90814	0.1157074	0.17428508	3.1741631	21	1 27.4	20.7
376333 2011 GW_{75}	16.4	X	286.86176	235.94447	124.87180	7.51883	0.0367677	0.21489006	2.7605259	21	7 5.8	20.0
376334 2011 GM_{77}	16.4	X	62.55756	307.64401	205.39550	10.24235	0.0899058	0.19568074	2.9383532	21	4 19.0	20.0
376335 2011 GG_{79}	15.6	X	63.56279	128.77690	135.52875	1.15681	0.1656715	0.12532050	3.9547706	21	9 19.8	21.0
376336 2011 GS_{80}	16.6	X	315.09716	34.00079	180.81962	0.64800	0.1142359	0.18105554	3.0945310	21	1 28.3	20.7
376337 2011 GT_{84}	16.1	X	256.87936	7.59866	237.13007	2.53754	0.0822336	0.17447771	3.1718265	21	1 3.9	20.9
376338 2011 GW_{85}	16.5	X	280.40207	343.76613	220.01048	2.16469	0.0886633	0.17143427	3.2092555	21	—	—
376339 2011 HJ_{14}	16.8	X	190.18413	299.63218	199.67091	10.94261	0.0921019	0.22697706	2.6616324	21	8 29.5	20.9
376340 2011 HD_{15}	16.0	X	174.37436	175.70505	201.16451	15.50446	0.0651651	0.18702925	3.0282823	21	3 11.2	20.7
376341 2011 HT_{16}	16.4	X	177.73051	256.24180	226.83309	4.41048	0.0715734	0.21879320	2.7275967	21	7 27.4	20.4
376342 2011 HU_{20}	15.4	X	102.60237	351.69244	318.70919	4.78000	0.0788681	0.14739432	3.5493504	21	12 15.9	20.7
376343 2011 HY_{23}	16.0	X	301.81995	225.24610	355.08386	8.76130	0.0696891	0.18161307	3.0881946	21	1 27.5	20.4
376344 2011 HL_{27}	15.7	X	76.31888	9.18442	94.47315	11.27067	0.0480624	0.18399114	3.0615271	21	3 7.3	20.0
376345 2011 HS_{31}	16.4	X	94.47210	331.42707	205.53636	4.41564	0.0914623	0.21159005	2.7891544	21	7 2.9	20.3
376346 2011 HG_{36}	16.6	X	146.68185	8.09499	74.61487	4.37868	0.0677818	0.20302176	2.8670877	21	5 3.3	20.8
376347 2011 HM_{36}	16.2	X	90.41213	321.03763	131.81586	8.25399	0.0475078	0.18500052	3.0503809	21	3 8.9	20.4
376348 2011 HZ_{40}	15.5	X	96.71381	359.54803	77.66561	18.98073	0.1136905	0.18121040	3.0927677	21	3 15.9	20.1
376349 2011 HU_{42}	16.4	X	137.41526	282.06295	141.66015	9.78679	0.0905217	0.19148925	2.9810765	21	4 4.8	20.9
376350 2011 HE_{51}	15.9	X	86.93719	335.73608	134.79552	11.60536	0.1053031	0.18809077	3.0168778	21	4 5.7	20.1
376351 2011 HK_{64}	16.6	X	279.76729	340.50912	35.75001	6.59544	0.0404750	0.21839583	2.7309043	21	7 18.2	20.3
376352 2011 HE_{66}	16.3	X	305.16070	201.96798	25.14508	12.30360	0.0559963	0.18454756	3.0553702	21	2 12.9	20.8
376353 2011 HB_{78}	16.5	X	275.57390	61.13278	205.32083	9.72686	0.0266624	0.18547985	3.0451234	21	2 20.4	21.0
376354 2011 HQ_{80}	16.3	X	334.45755	27.15756	159.06171	11.84315	0.1223547	0.17635735	3.1492491	21	1 17.7	20.5
376355 2011 HE_{81}	16.5	X	173.82783	144.06456	58.71643	7.58246	0.0583681	0.23896109	2.5718833	21	11 7.2	20.1
376356 2011 HE_{84}	15.7	X	11.88492	329.38184	190.14200	10.30906	0.0289714	0.18008654	3.1056217	21	2 11.5	20.1
376357 2011 HQ_{93}	16.8	X	120.80134	297.84261	186.81287	5.88201	0.0359891	0.19936425	2.9020476	21	5 22.6	20.9
376358 2011 JO_{5}	15.9	X	250.71942	317.16207	62.53779	5.45652	0.0649288	0.21235957	2.7824123	21	6 9.1	19.8
376359 2011 JL_{16}	15.6	X	36.45393	37.22162	112.08860	9.89642	0.0726759	0.18335067	3.0686525	21	3 10.5	19.6
376360 2011 JL_{21}	16.2	X	49.36018	39.65996	116.59198	11.94231	0.0421013	0.18977463	2.9990056	21	4 5.6	20.4
376361 2011 JG_{27}	16.0	X	192.27110	306.45372	225.88361	11.50306	0.1802528	0.23549216	2.5970786	21	10 8.8	20.3
376362 2011 JH_{31}	16.0	X	217.95725	130.14071	33.36718	12.47814	0.2017504	0.23842319	2.5757501	21	10 23.2	19.8
376363 2011 KV_{4}	15.2	X	132.55620	187.83260	228.33813	14.35353	0.0916461	0.18066098	3.0990349	21	3 14.4	20.0
376364 2011 KG_{9}	15.3	X	84.63203	239.44261	38.14100	3.31389	0.1889204	0.12567617	3.9473057	21	10 30.7	21.2
376365 2011 KG_{42}	16.5	X	205.83442	18.07015	92.79401	2.34831	0.0969375	0.21770385	2.7366882	21	8 12.8	20.7
376366 2011 KB_{43}	17.3	X	242.08692	336.13422	168.30248	4.98747	0.2053143	0.24241407	2.5474021	21	10 25.6	20.8
376367 2011 KM_{43}	15.8	X	211.62079	231.49191	78.98367	9.19582	0.0231752	0.17510441	3.1642539	21	2 6.9	20.5
376368 2011 KY_{47}	15.8	X	102.18848	277.57034	153.71443	10.73336	0.0663901	0.17796573	3.1302459	21	2 27.2	20.0
376369 2011 LH_{15}	16.2	X	208.01086	97.89160	53.86028	14.01575	0.0939593	0.23052309	2.6342668	21	10 12.9	20.2
376370 2011 OX_{26}	13.6	X	274.34557	220.98401	105.99839	8.80197	0.0830731	0.08306763	5.2021334	21	5 10.4	20.6
376371 2011 OU_{44}	14.0	X	294.56518	161.10663	169.72596	3.55334	0.1791844	0.08335060	5.1903530	21	5 23.3	20.7
376372 2011 QU_{70}	17.8	X	243.44757	208.08893	147.51379	1.78848	0.2112574	0.26915245	2.3757669	21	4 14.4	21.7
376373 2011 SV_{21}	13.5	X	15.17284	299.76215	318.99991	5.04851	0.1111164	0.08334133	5.1907377	21	6 29.3	19.8
376374 2011 UC_{202}	16.6	X	3.58098	224.98254	122.10653	1.92586	0.2368833	0.19213278	2.9744162	21	10 20.6	19.5
376375 2012 CB_{55}	17.5	X	314.91183	172.23441	167.49795	22.91356	0.0844694	0.35538717	1.9739443	21	7 11.6	19.9
376376 2012 DR_{8}	17.8	X	320.96461	277.67417	150.57530	22.50703	0.1194497	0.38654800	1.8663815	21	—	—
376377 2012 DK_{16}	17.4	X	191.07743	133.22559	129.93679	7.31922	0.0951596	0.28831711	2.2692853	21	—	—
376378 2012 DP_{18}	17.8	X	191.73825	300.17112	328.27589	3.51009	0.0852633	0.29660427	2.2268166	21	—	—
376379 2012 DU_{24}	17.0	X	17.51658	209.55138	89.68957	4.76226	0.1449062	0.24659154	2.5185501	21	9 8.2	19.5
376380 2012 DP_{25}	16.7	X	323.83608	250.88695	17.67560	10.44316	0.1829749	0.22049836	2.7135166	21	4 2.5	19.9
376381 2012 DQ_{29}	18.2	X	284.21960	210.65674	46.09337	3.06878	0.1276556	0.31382611	2.1445853	21	1 18.9	21.0
376382 2012 DE_{30}	17.5	X	230.03553	181.17635	10.99751	6.99227	0.0339212	0.28332764	2.2958495	21	—	—
376383 2012 DO_{33}	18.0	X	258.12424	230.39240	352.53534	5.13876	0.0887543	0.30076546	2.2062298	21	—	—
376384 2012 DB_{40}	17.7	X	128.01320	17.68082	239.88480	4.36519	0.1114236	0.26855214	2.3793060	21	11 30.1	21.3
376385 2012 DU_{43}	17.2	X	205.05248	143.86282	18.73538	21.16828	0.0858252	0.37542058	1.9030812	21	11 1.8	19.5
376386 2012 DS_{52}	17.7	X	109.52277	269.43312	0.92167	1.95911	0.1315447	0.26568293	2.3964053	21	11 27.5	21.3
376387 2012 DL_{60}	18.0	X	133.33785	126.30984	123.67644	2.03713	0.1448886	0.26723625	2.3871102	21	11 26.6	21.6
376388 2012 DH_{82}	17.5	X	229.86183	337.70945	262.45732	5.11918	0.1090126	0.29398339	2.2400318	21	—	—
376389 2012 DD_{88}	17.6	X	238.12571	199.92923	55.58619	3.28691	0.1172324	0.29865587	2.2166069	21	—	—
376390 2012 DG_{90}	16.1	X	210.89867	350.22444	264.77598	24.62563	0.1700212	0.28642023	2.2792935	21	—	—
376391 2012 EE_{1}	17.9	X	232.17945	273.07772	337.93869	7.81013	0.1096787	0.29958326	2.2120301	21	—	—
376392 2012 EX_{10}	17.8	X	224.78197	106.48667	157.04593	1.63435	0.1939133	0.29730697	2.2233064	21	—	—
376393 2012 FS_{2}	17.4	X	96.04071	305.17041	307.16308	0.69263	0.1592653	0.26015818	2.4302133	21	10 23.7	20.8
376394 2012 FM_{10}	17.5	X	233.53161	236.07854	320.77111	4.54552	0.0979784	0.28599495	2.2815525	21	—	—
376395 2012 FP_{14}	17.0	X	182.38978	216.66251	68.24194	7.41086	0.1447026	0.28969350	2.2620917	21	—	—
376396 2012 FK_{24}	17.6	X	141.83716	33.06072	168.23087	6.22535	0.1474161	0.25968371	2.4331725	21	10 4.7	21.3
376397 2012 FB_{26}	17.7	X	154.60979	83.33074	184.84660	6.07616	0.1300197	0.27885457	2.3203359	21	—	—
376398 2012 FR_{27}	17.7	X	176.21375	6.07501	257.50356	5.05736	0.1529181	0.28480295	2.2879141	21	—	—
376399 2012 FW_{29}	17.6	X	176.36648	240.00459	14.55231	7.54081	0.0845956	0.28248682	2.3004030	21	—	—
376400 2012 FM_{31}	16.9	X	112.58146	248.87189	42.62622	10.72764	0.2592140	0.26640781	2.3920564	21	12 31.5	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376401 2012 FJ_{44}	18.3	X	253.40200	16.96407	198.81086	2.70474	0.1496895	0.28977663	2.2616591	21	—	—
376402 2012 FZ_{53}	16.9	X	16.28746	352.50221	330.16900	5.84366	0.1428517	0.25339365	2.4732740	21	10 6.0	19.5
376403 2012 FP_{54}	16.9	X	42.51482	236.32788	26.15716	9.70697	0.1737848	0.23670890	2.5881712	21	9 4.0	20.0
376404 2012 FG_{59}	17.9	X	25.99931	257.62353	216.55713	3.68262	0.0769001	0.30398889	2.1906058	21	—	—
376405 2012 FB_{62}	16.7	X	14.40815	99.09976	129.19066	3.42162	0.1285334	0.22123795	2.7074657	21	5 13.8	19.6
376406 2012 FC_{62}	16.4	X	26.33696	61.15416	192.13748	11.76190	0.2573602	0.22851052	2.6497114	21	7 25.7	19.0
376407 2012 FJ_{67}	17.7	X	155.04875	189.54584	51.06328	2.21218	0.1361549	0.26672200	2.3901775	21	12 4.9	21.2
376408 2012 FD_{69}	17.4	X	189.56380	111.46978	112.95032	4.25849	0.0271196	0.27237039	2.3570174	21	—	—
376409 2012 FE_{69}	17.0	X	78.13835	132.89605	104.80953	4.60318	0.1610726	0.24133544	2.5549867	21	9 15.8	20.5
376410 2012 FB_{75}	17.4	X	198.20257	333.86413	257.82725	4.16113	0.1214982	0.28144266	2.3060892	21	—	—
376411 2012 FP_{81}	17.5	X	214.76042	184.65141	58.12372	6.97176	0.1336026	0.28971348	2.2619877	21	—	—
376412 2012 GJ_{2}	17.1	X	79.82698	260.36388	27.33940	4.90036	0.1378938	0.25840203	2.4412116	21	11 17.6	20.6
376413 2012 GK_{10}	17.6	X	25.86329	288.86585	1.59119	2.50271	0.1783166	0.24251442	2.5466993	21	9 12.6	20.3
376414 2012 GN_{10}	18.1	X	274.63481	7.21231	203.33072	5.22627	0.1036819	0.29780850	2.2208096	21	—	—
376415 2012 GB_{13}	16.4	X	333.39571	292.88090	16.59026	16.17615	0.2558236	0.22960632	2.6412742	21	5 31.5	19.2
376416 2012 GH_{13}	17.3	X	133.42705	147.30146	111.13389	3.17294	0.1792101	0.26704624	2.3882424	21	12 7.3	21.1
376417 2012 GQ_{21}	17.4	X	238.03978	232.92948	45.91807	7.62558	0.0480605	0.30543712	2.1836758	21	—	—
376418 2012 GJ_{23}	17.3	X	185.63595	273.92197	316.16009	4.83545	0.1966024	0.27422615	2.3463717	21	12 18.3	21.0
376419 2012 GX_{25}	16.4	X	27.35464	334.77889	282.45284	4.11101	0.2148426	0.23183017	2.6243560	21	7 30.2	18.8
376420 2012 GY_{28}	16.1	X	35.85374	205.09772	79.63809	14.21783	0.1245561	0.23979772	2.5658978	21	9 21.6	19.4
376421 2012 GO_{31}	16.8	X	274.57004	69.18249	234.84537	3.64806	0.1651940	0.20972103	2.8057011	21	3 18.6	21.0
376422 2012 GP_{31}	18.0	X	264.61150	186.26436	11.77731	4.03365	0.1207367	0.28912726	2.2650442	21	—	—
376423 2012 GS_{31}	17.5	X	149.32138	343.56797	253.49465	2.05101	0.1550984	0.26375899	2.4080446	21	11 24.5	21.2
376424 2012 GF_{32}	17.7	X	92.71350	254.34809	6.49170	2.29432	0.1900842	0.25411690	2.4685789	21	11 2.0	21.3
376425 2012 GB_{35}	17.3	X	320.91136	272.51705	2.93841	3.04333	0.1617509	0.21702989	2.7423509	21	4 9.9	20.6
376426 2012 HF_{7}	17.4	X	207.29352	113.46084	118.78010	7.54823	0.0599883	0.27827936	2.3235323	21	—	—
376427 2012 HO_{7}	18.2	X	240.17832	20.05861	213.41078	1.99848	0.1007297	0.29113576	2.2546148	21	—	—
376428 2012 HQ_{7}	17.8	X	157.64269	62.20978	186.89206	1.09303	0.1531176	0.26982581	2.3718127	21	12 17.9	21.5
376429 2012 HS_{7}	16.8	X	65.86416	47.49859	165.02646	14.10056	0.1774486	0.23218113	2.6217107	21	7 25.0	20.3
376430 2012 HF_{9}	16.3	X	331.00648	117.94048	139.19432	9.36882	0.1130085	0.21645020	2.7472450	21	4 12.6	19.8
376431 2012 HZ_{10}	16.5	X	344.75913	236.78929	41.80267	13.64188	0.2452440	0.22431844	2.6826215	21	5 14.4	19.0
376432 2012 HB_{14}	17.5	X	143.85083	212.05505	45.75542	2.61939	0.1712823	0.26929818	2.3749097	21	12 15.4	21.2
376433 2012 HZ_{15}	17.2	X	286.87956	165.24472	163.91221	6.55308	0.1495705	0.22403590	2.6848765	21	5 8.2	20.9
376434 2012 HF_{16}	17.2	X	328.86446	265.59146	66.99494	7.12577	0.1543573	0.23763352	2.5814532	21	7 18.0	19.8
376435 2012 HL_{19}	17.5	X	254.90164	112.61705	107.13879	5.95408	0.1140261	0.28985525	2.2612501	21	—	—
376436 2012 HF_{28}	16.2	X	274.69234	200.97678	124.80703	13.41884	0.1952818	0.21228646	2.7830511	21	4 18.5	20.6
376437 2012 HR_{28}	16.9	X	61.06939	90.18058	180.09677	15.20813	0.1144255	0.24556319	2.5255766	21	9 29.3	20.1
376438 2012 HO_{31}	16.3	X	321.48783	245.09629	110.55506	11.70568	0.1523362	0.23806556	2.5783290	21	8 8.6	18.9
376439 2012 HK_{35}	17.6	X	320.77240	18.65458	140.56919	5.01007	0.0542097	0.29473121	2.2362411	21	—	—
376440 2012 HT_{37}	16.9	X	43.65321	72.61278	200.91388	4.00810	0.1717828	0.23813859	2.5778018	21	9 15.5	19.8
376441 2012 HR_{39}	17.2	X	235.67878	198.06809	46.86019	8.39713	0.1431181	0.29166388	2.2518923	21	—	—
376442 2012 HM_{40}	16.3	X	62.04527	257.30516	340.45153	12.39912	0.1428564	0.23816233	2.5776305	21	8 22.0	19.5
376443 2012 HS_{44}	16.6	X	293.92016	250.91743	53.76908	8.42427	0.2142730	0.21173055	2.7879204	21	4 8.0	20.5
376444 2012 HC_{45}	16.7	X	86.14102	135.85318	54.38724	6.81428	0.0132101	0.23158119	2.6262367	21	6 28.1	20.1
376445 2012 HT_{48}	16.2	X	261.53552	214.47162	126.00543	10.74249	0.2252589	0.21127701	2.7919087	21	4 19.2	20.8
376446 2012 HD_{50}	16.2	X	336.37417	63.93630	200.64321	26.76519	0.2112738	0.21680961	2.7442081	21	4 13.8	19.2
376447 2012 HF_{50}	16.4	X	282.88198	257.10590	66.00325	8.73343	0.2268626	0.21300843	2.7767590	21	4 17.2	20.5
376448 2012 HX_{56}	17.4	X	179.00811	94.06575	156.18677	4.76841	0.1959262	0.27496969	2.3421399	21	—	—
376449 2012 HH_{57}	17.1	X	323.82057	90.11941	186.72289	5.15441	0.0642917	0.22129541	2.7069971	21	5 1.8	20.5
376450 2012 HG_{60}	17.0	X	69.56195	275.63666	30.46040	9.97514	0.1091563	0.25920152	2.4361892	21	11 25.1	20.4
376451 2012 HW_{62}	17.7	X	172.90506	153.32486	60.13386	3.51607	0.1411561	0.26646602	2.3917080	21	11 18.4	21.3
376452 2012 HO_{63}	16.6	X	8.01076	225.43455	54.11177	15.52558	0.1747642	0.23185361	2.6241791	21	7 21.4	19.4
376453 2012 HY_{63}	17.1	X	351.54141	280.56292	53.30420	6.08498	0.1797000	0.23919257	2.5702237	21	9 10.3	19.4
376454 2012 HE_{64}	17.7	X	157.10598	98.61091	176.51033	2.43843	0.1745740	0.27308969	2.3528768	21	—	—
376455 2012 HU_{66}	16.5	X	244.33660	86.27301	241.73060	9.30472	0.1570791	0.20497739	2.8488226	21	3 16.7	21.3
376456 2012 HF_{67}	16.6	X	258.88736	63.20918	174.29098	9.41220	0.1007303	0.18584529	3.0411301	21	—	—
376457 2012 HS_{70}	16.7	X	64.51875	103.47226	135.22740	4.47687	0.1546720	0.23622182	2.5917277	21	8 27.5	19.9
376458 2012 HD_{71}	17.4	X	37.31216	238.94304	47.13217	3.57296	0.1088062	0.24139161	2.5545903	21	9 16.4	20.3
376459 2012 HS_{73}	17.1	X	346.30625	243.11462	52.47817	2.70367	0.1688852	0.22946006	2.6423965	21	6 24.3	19.7
376460 2012 HJ_{74}	17.5	X	78.55071	276.65757	43.70355	6.99638	0.1602539	0.26291071	2.4132216	21	12 31.3	21.2
376461 2012 HU_{78}	17.2	X	314.47158	259.65484	17.46552	4.08350	0.1741085	0.21205451	2.7850802	21	4 2.1	20.7
376462 2012 HM_{79}	17.1	X	26.90654	66.60708	203.33652	3.53634	0.1640385	0.23052715	2.6342359	21	8 9.6	19.9
376463 2012 JQ_{2}	16.8	X	343.06680	241.29466	52.27352	12.43061	0.1886951	0.22659817	2.6645986	21	6 10.6	19.4
376464 2012 JD_{8}	16.4	X	344.92350	244.72143	50.31060	9.52991	0.0946834	0.22710430	2.6606382	21	6 25.7	19.5
376465 2012 JC_{13}	16.8	X	328.03367	225.62226	62.88956	6.98470	0.0886135	0.21956669	2.7211872	21	5 20.4	20.0
376466 2012 JH_{13}	16.6	X	20.17238	355.37328	221.02750	7.22525	0.2005524	0.21785447	2.7354266	21	5 9.2	18.9
376467 2012 JL_{16}	16.8	X	149.57524	0.58513	181.76622	15.09915	0.0290685	0.24423473	2.5347265	21	9 11.2	20.4
376468 2012 JU_{17}	16.5	X	280.08903	239.59464	90.61932	10.20829	0.1545737	0.22049840	2.7135162	21	5 2.7	20.5
376469 2012 JG_{19}	16.9	X	16.07234	242.73667	64.95977	3.73696	0.2245351	0.23732267	2.5837068	21	9 27.8	19.2
376470 2012 JK_{19}	15.8	X	309.84420	147.03484	147.68408	10.23635	0.1496543	0.21173159	2.7879112	21	4 26.5	19.5
376471 2012 JN_{20}	17.5	X	245.56740	326.63197	224.27546	3.29378	0.1745122	0.27961473	2.3161287	21	—	—
376472 2012 JF_{26}	16.5	X	42.42034	20.72587	195.44588	16.78720	0.1357896	0.22725466	2.6594644	21	6 16.4	19.9
376473 2012 JH_{27}	16.0	X	306.61092	211.76028	115.93357	15.91452	0.1994907	0.22042506	2.7141181	21	5 28.4	19.6
376474 2012 JY_{27}	16.0	X	147.60036	139.34330	190.67225	27.22604	0.2396215	0.17093239	3.2155342	21	1 5.9	21.7
376475 2012 JY_{31}	16.2	X	242.57576	274.95038	84.16634	9.09790	0.2981913	0.21157963	2.7892460	21	4 19.6	21.2
376476 2012 JM_{32}	16.0	X	229.69216	85.22714	192.16681	15.63990	0.1993818	0.18301589	3.0723936	21	1 7.6	21.5
376477 2012 JK_{38}	17.0	X	334.62837	87.47151	180.60993	8.12575	0.1792277	0.21785956	2.7353840	21	4 21.9	20.0
376478 2012 JU_{45}	15.9	X	143.52786	107.04473	224.29706	12.00093	0.2212055	0.17083963	3.2166981	21	1 3.3	21.2
376479 2012 JP_{53}	16.4	X	334.75475	111.21458	230.33817	14.13627	0.0484293	0.23541018	2.5976815	21	8 11.7	20.0
376480 2012 JE_{54}	17.9	X	80.90926	77.38795	175.92850	4.37060	0.0219412	0.24668525	2.5179122	21	9 18.2	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376481 2012 JS_{54}	17.7	X	91.76292	249.79973	129.25385	6.05568	0.1138619	0.28584262	2.2823631	21	—	—
376482 2012 JN_{58}	17.0	X	44.70889	286.85003	65.96975	2.39242	0.2181735	0.26298787	2.4127495	21	—	—
376483 2012 JX_{62}	17.4	X	42.60501	142.16947	81.62533	4.16062	0.1002479	0.22875477	2.6478250	21	6 23.4	20.5
376484 2012 JR_{65}	16.2	X	245.38134	207.69686	82.05122	5.73561	0.1377125	0.19262606	2.9693360	21	2 8.9	20.9
376485 2012 JZ_{66}	17.5	X	331.99237	14.95648	131.24223	3.07741	0.0932104	0.28870453	2.2672548	21	—	—
376486 2012 KU_{1}	17.1	X	332.55501	176.88084	95.68616	6.29308	0.0764188	0.22133375	2.7066844	21	5 8.6	20.4
376487 2012 KN_{2}	16.1	X	283.07990	19.93493	179.03678	17.60319	0.1739147	0.18220922	3.0814549	21	—	—
376488 2012 KR_{8}	13.2	X	279.77769	129.01238	206.39909	31.01613	0.0270007	0.08288354	5.2098336	21	5 29.6	20.3
376489 2012 KB_{10}	16.5	X	5.23457	206.20451	83.42898	6.26487	0.0627606	0.23042737	2.6349963	21	7 24.3	19.7
376490 2012 KF_{10}	17.0	X	217.82233	261.21935	101.13801	7.01638	0.0366415	0.20886614	2.8133517	21	4 14.6	21.1
376491 2012 KR_{11}	15.6	X	177.69716	95.82216	223.36838	16.54722	0.2633991	0.17613178	3.1519372	21	1 15.9	21.4
376492 2012 KV_{13}	17.6	X	109.50254	118.31259	178.39247	3.14214	0.0172778	0.26605534	2.3941686	21	12 24.8	20.6
376493 2012 KG_{15}	16.9	X	312.86607	214.91499	109.83608	5.09819	0.1116033	0.22332093	2.6906039	21	6 13.1	20.2
376494 2012 KJ_{21}	17.4	X	26.46044	125.99239	194.90778	7.50699	0.1439488	0.24643092	2.5196444	21	10 23.3	20.1
376495 2012 KJ_{27}	17.0	X	221.64080	314.40016	86.71666	6.91788	0.0269144	0.22337610	2.6901609	21	6 5.4	20.5
376496 2012 KP_{29}	17.7	X	50.16797	116.43737	191.16084	6.33224	0.0813084	0.25254031	2.4788424	21	10 31.3	20.8
376497 2012 KT_{29}	17.8	X	299.64350	338.49871	187.09987	6.98358	0.1125891	0.29057176	2.2575313	21	—	—
376498 2012 KP_{38}	16.3	X	311.31733	233.48239	68.83174	10.74300	0.2326733	0.21685687	2.7438093	21	4 24.8	19.9
376499 2012 KL_{40}	17.3	X	5.98848	132.62581	201.87422	8.18164	0.1812964	0.23973111	2.5663730	21	10 9.0	19.7
376500 2012 KD_{41}	16.2	X	182.23701	145.89688	145.15963	6.30801	0.1697282	0.17239499	3.1973214	21	—	—
376501 2012 KN_{42}	15.1	X	234.29027	2.44111	224.79657	28.42935	0.1652655	0.17513734	3.1638572	21	—	—
376502 2012 KY_{45}	16.7	X	258.28564	203.22942	169.83088	13.21759	0.2092661	0.21500523	2.7595400	21	5 25.8	21.2
376503 2012 KN_{46}	16.3	X	30.51601	64.36786	208.39271	7.66294	0.0599181	0.23218311	2.6216958	21	8 5.5	19.6
376504 2012 KT_{46}	15.9	X	4.69591	157.02325	100.52755	18.48913	0.2229237	0.21917273	2.7244470	21	6 8.5	18.3
376505 2012 KM_{47}	16.0	X	176.30498	117.72101	182.28023	25.78299	0.2566477	0.17184798	3.2041027	21	—	—
376506 2012 KK_{48}	17.0	X	339.13215	137.98373	120.17500	8.70417	0.1805399	0.21309771	2.7759834	21	4 19.3	20.2
376507 2012 KT_{48}	16.4	X	260.78197	284.64540	76.92188	7.17031	0.0469870	0.21983563	2.7189673	21	5 31.4	20.1
376508 2012 KY_{48}	16.7	X	262.38111	219.17250	109.54092	5.42882	0.0680135	0.20920597	2.8103042	21	4 20.6	20.7
376509 2012 KG_{49}	17.7	X	205.36765	22.64516	184.84534	1.98444	0.1476439	0.26927813	2.3750276	21	12 14.0	20.9
376510 2012 KG_{51}	16.4	X	328.89780	75.48537	156.38210	15.53698	0.1058038	0.20584736	2.8407904	21	3 6.5	20.1
376511 2012 LQ	16.9	X	342.50962	328.51161	122.97115	7.31281	0.0731618	0.27297064	2.3535608	21	—	—
376512 2012 LG_{2}	16.0	X	216.21344	81.20279	186.56537	13.33048	0.2635622	0.17485550	3.1672561	21	—	—
376513 2012 LG_{3}	16.1	X	51.70015	212.59316	68.13315	15.88000	0.1052373	0.24000358	2.5644303	21	10 7.3	19.7
376514 2012 LA_{5}	16.5	X	315.78294	223.36082	112.67342	13.20304	0.2147259	0.22250952	2.6971410	21	6 18.5	19.5
376515 2012 LD_{7}	16.8	X	322.82260	117.54804	187.75584	8.31968	0.1566077	0.21752161	2.7382164	21	5 27.4	20.0
376516 2012 LH_{8}	16.5	X	221.39195	124.37923	155.04142	16.55228	0.2441702	0.17979644	3.1089614	21	1 5.2	22.2
376517 2012 LU_{10}	16.2	X	97.35863	57.61260	180.55829	17.16921	0.1331094	0.24327550	2.5413850	21	10 3.9	19.8
376518 2012 LQ_{19}	16.5	X	37.01524	68.98180	230.01543	6.87643	0.1114208	0.24029587	2.5623504	21	9 29.9	19.7
376519 2012 LZ_{24}	15.8	X	186.27048	121.29826	182.30550	18.44237	0.1223521	0.17664057	3.1458819	21	1 2.2	21.1
376520 2012 LC_{25}	16.2	X	298.07943	185.76231	153.09935	15.82425	0.0820586	0.22167785	2.7038827	21	6 16.4	20.0
376521 2012 MU_{9}	15.6	X	188.68568	100.36791	234.99831	9.49391	0.0803836	0.17627664	3.1502102	21	2 6.1	20.6
376522 2012 PN_{5}	15.9	X	284.77326	22.07506	252.42329	5.96208	0.0812240	0.18749547	3.0232602	21	3 5.7	20.4
376523 2012 PK_{14}	13.8	X	281.50046	95.24042	257.43444	3.09570	0.0376858	0.08616386	5.0767521	21	6 19.9	20.5
376524 2012 PP_{20}	15.7	X	48.47995	217.22130	285.75196	9.17957	0.0629551	0.17974618	3.1095409	21	3 10.9	20.0
376525 2012 PY_{37}	15.9	X	229.00771	88.42537	203.65822	9.48153	0.0619269	0.17427311	3.1743085	21	1 29.0	20.8
376526 2012 QN_{16}	14.0	X	258.42342	100.32442	256.24425	1.96522	0.0477378	0.08185498	5.2533858	21	5 28.0	20.9
376527 2012 QX_{39}	13.9	X	237.94511	110.14044	270.93153	5.87887	0.1002167	0.08380794	5.1714534	21	5 28.2	21.0
376528 2012 QH_{40}	13.0	X	278.89284	90.13284	244.17263	10.58555	0.0283264	0.08516334	5.1164364	21	5 28.2	19.7
376529 2012 QP_{46}	15.7	X	95.28873	221.90799	244.10150	8.55029	0.0826802	0.18153902	3.0890343	21	3 31.7	20.1
376530 2012 QN_{48}	15.8	X	120.34723	248.91850	205.08617	9.25327	0.0489206	0.18613771	3.0379442	21	4 14.5	20.2
376531 2012 RA_{33}	13.3	X	283.55010	351.75441	331.62445	19.53631	0.1115951	0.08290067	5.2091161	21	5 2.1	20.5
376532 2012 SA_{24}	14.1	X	71.67270	354.23678	206.66593	3.42475	0.0245572	0.08188041	5.2522982	21	6 26.1	20.9
376533 2012 SF_{41}	13.5	X	73.10321	351.83097	205.76925	7.79350	0.0546380	0.08372782	5.1747518	21	6 27.4	20.3
376534 2012 SC_{59}	14.0	X	285.96711	148.76164	186.57278	7.48491	0.1601048	0.08424095	5.1537169	21	5 21.3	20.8
376535 2012 TL	12.9	X	287.19438	317.02581	25.76804	24.28048	0.0870258	0.08264849	5.2197066	21	6 2.9	20.0
376536 2012 TP	13.9	X	358.02776	74.95661	193.76511	5.66806	0.0266169	0.08386033	5.1692992	21	6 16.3	20.6
376537 2012 TW_{9}	14.8	X	235.52712	183.16857	342.02228	7.17742	0.1472432	0.12591395	3.9423346	21	11 1.1	20.8
376538 2012 TO_{146}	13.3	X	304.27970	293.57553	24.08056	23.64994	0.0943218	0.08087256	5.2958448	21	5 24.1	20.3
376539 2012 TT_{146}	13.6	X	300.45637	216.41724	115.60794	5.21182	0.1284059	0.08422975	5.1541735	21	6 7.6	20.2
376540 2012 TR_{207}	15.5	X	129.89454	197.49377	276.65459	5.58406	0.0473482	0.17723652	3.1388260	21	5 21.1	20.1
376541 2012 TQ_{320}	15.8	X	143.57925	345.45210	281.33347	13.46058	0.0537410	0.23724876	2.5842434	21	12 22.7	19.4
376542 2013 AA_{4}	13.3	X	315.82182	279.57263	14.28146	23.51857	0.0769929	0.08255872	5.2234896	21	5 11.9	20.2
376543 2013 BB_{25}	13.6	X	279.48427	326.68552	133.37577	6.98586	0.0128474	0.08092138	5.2937147	21	10 22.9	20.6
376544 2013 EQ_{84}	16.0	X	48.94057	166.95484	140.47579	7.25327	0.1409867	0.17594741	3.1541388	21	10 28.4	20.3
376545 2013 EL_{127}	16.7	X	262.98164	160.16092	140.68543	3.71354	0.1774894	0.23160036	2.6260918	21	3 1.5	20.7
376546 2013 HW_{28}	17.2	X	101.38596	147.93108	192.40112	7.02832	0.2030772	0.28644788	2.2791468	21	—	—
376547 2013 HZ_{137}	17.1	X	338.02192	116.34872	324.27788	1.18256	0.0952249	0.19514840	2.9436944	21	12 27.4	20.6
376548 2013 KH_{2}	15.8	X	281.87570	358.66162	274.86092	7.04913	0.1819415	0.20919309	2.8104196	21	2 14.2	20.3
376549 2013 KJ_{2}	15.8	X	163.18686	142.28084	154.64665	16.61867	0.1044567	0.17327922	3.1864349	21	—	—
376550 2013 MG_{4}	17.5	X	78.75695	53.41359	248.62555	3.91572	0.0981081	0.27322472	2.3521015	21	12 3.6	20.5
376551 2013 NP_{3}	16.9	X	348.92989	232.96383	116.73870	7.95064	0.1923019	0.25504294	2.4625998	21	10 4.4	19.0
376552 2013 NV_{15}	16.7	X	230.43824	151.56607	276.94342	10.00262	0.1124628	0.23488902	2.6015224	21	7 13.4	20.6
376553 2013 NS_{22}	16.1	X	292.72795	54.41109	263.08528	13.15528	0.0830731	0.22704071	2.6611349	21	5 6.1	19.7
376554 2013 OE_{9}	17.6	X	162.24534	148.12660	121.03492	5.76481	0.1740896	0.29007927	2.2600858	21	—	—
376555 2013 OB_{10}	15.1	X	130.23561	170.69332	161.18490	28.51533	0.1665049	0.17170448	3.2058876	21	—	—
376556 2013 PX	16.6	X	173.07196	219.54710	192.54080	9.73614	0.0943568	0.21047576	2.7989899	21	4 25.1	20.9
376557 2013 PC_{3}	17.8	X	204.33651	264.51548	162.71549	23.38333	0.1182718	0.35429419	1.9780019	21	6 13.8	21.1
376558 2013 PQ_{3}	16.2	X	128.22942	170.72621	184.43189	10.74512	0.0722589	0.17713619	3.1400111	21	—	—
376559 2013 PT_{5}	16.6	X	171.33494	125.97230	328.80515	8.96588	0.1328528	0.21872780	2.7281405	21	6 16.0	21.0
376560 2013 PH_{7}	16.1	X	200.93591	291.40868	200.53021	7.55921	0.1798314	0.24583077	2.5237436	21	8 27.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376561 2013 PM_{9}	17.1	X	337.47412	114.04479	312.37395	6.15383	0.0909403	0.26871011	2.3783734	21	12 28.3	19.6
376562 2013 PP_{9}	18.1	X	205.40746	73.39929	182.42608	4.15885	0.1314138	0.29797643	2.2199751	21	—	—
376563 2013 PA_{10}	17.2	X	218.05877	334.86363	177.16931	5.29668	0.1012899	0.25917874	2.4363320	21	10 22.9	20.6
376564 2013 PK_{10}	17.3	X	309.71730	116.18658	188.45756	15.90224	0.2439182	0.22687090	2.6624626	21	4 20.8	20.7
376565 2013 PV_{11}	15.5	X	93.82027	212.61312	191.44481	16.51977	0.1667436	0.17408475	3.1765979	21	1 25.9	20.1
376566 2013 PY_{12}	17.2	X	301.09889	54.29835	257.06922	3.54591	0.2132537	0.22445341	2.6815459	21	4 20.1	20.8
376567 2013 PG_{13}	15.9	X	243.35822	33.94033	316.07810	20.21121	0.1706565	0.21137221	2.7910704	21	4 2.3	20.8
376568 2013 PK_{13}	17.2	X	47.69737	132.06200	172.07850	6.66809	0.1505308	0.25768822	2.4457178	21	11 4.7	20.3
376569 2013 PO_{13}	16.6	X	324.81380	43.52589	348.55029	5.90902	0.1428551	0.25350153	2.4725723	21	10 9.8	19.0
376570 2013 PP_{13}	16.2	X	336.01810	111.59078	146.21940	13.40780	0.0867636	0.21790405	2.7350117	21	4 25.7	19.8
376571 2013 PA_{14}	18.0	X	123.22633	70.34314	303.75223	3.66328	0.2503766	0.30066716	2.2067106	21	1 15.2	20.4
376572 2013 PB_{14}	16.7	X	357.95170	312.08164	243.49247	1.84891	0.0482025	0.19951201	2.9006146	21	3 6.9	20.6
376573 2013 PP_{14}	15.8	X	108.84105	213.35005	172.65182	11.09499	0.0528520	0.17649272	3.1476385	21	1 8.9	20.4
376574 Michalkusiak	16.5	X	9.85486	5.58715	338.48416	8.63740	0.2227356	0.25658708	2.4527100	21	11 6.6	19.0
376575 2013 PB_{16}	16.6	X	227.20605	152.49462	214.37919	8.76763	0.2030443	0.21019858	2.8014499	21	4 17.7	21.2
376576 2013 PD_{16}	16.5	X	315.69388	8.86163	335.14470	14.14009	0.1126512	0.23666563	2.5884866	21	7 18.9	19.6
376577 2013 PH_{16}	16.4	X	24.86441	321.01095	323.53895	9.88932	0.2197197	0.23940930	2.5686723	21	9 5.1	18.8
376578 2013 PC_{17}	17.6	X	46.71681	61.30368	244.06654	2.71768	0.2202629	0.26230542	2.4169326	21	11 14.3	20.6
376579 2013 PO_{17}	17.4	X	36.96894	202.47876	115.88316	3.45763	0.2184083	0.25969956	2.4330736	21	11 19.3	20.4
376580 2013 PQ_{17}	16.4	X	285.60218	193.74691	144.36573	15.85139	0.2041114	0.22528720	2.6749256	21	5 13.7	20.5
376581 2013 PZ_{19}	16.5	X	194.31625	297.69137	344.12022	11.93293	0.2750956	0.17945367	3.1129190	21	—	—
376582 2013 PQ_{21}	16.4	X	133.24937	54.58471	333.88592	8.06032	0.1251993	0.18705418	3.0280132	21	2 18.1	20.8
376583 2013 PA_{22}	17.5	X	346.36787	136.64416	177.44824	6.43630	0.0552187	0.23712174	2.5851662	21	7 26.6	20.6
376584 2013 PS_{23}	17.0	X	281.12639	130.81970	173.77619	4.48921	0.0433023	0.21126419	2.7920217	21	4 14.4	20.9
376585 2013 PX_{23}	15.9	X	118.06581	20.49171	334.07208	9.50180	0.1403876	0.16964736	3.2317516	21	—	—
376586 2013 PY_{24}	18.1	X	157.59451	181.70211	146.71350	3.38815	0.2081489	0.30387745	2.1911414	21	—	—
376587 2013 PZ_{24}	15.4	X	139.27500	175.73537	158.07019	18.07303	0.0482823	0.17222090	3.1994757	21	—	—
376588 2013 PE_{25}	15.6	X	242.37490	241.60518	340.91778	25.68337	0.2055049	0.17622194	3.1508621	21	—	—
376589 2013 PX_{25}	15.9	X	156.13212	116.21104	227.12308	13.72872	0.0793958	0.17855925	3.1233056	21	1 13.1	20.8
376590 2013 PB_{26}	14.9	X	45.88663	100.82449	298.36459	14.86156	0.1205739	0.15869010	3.3788546	21	—	—
376591 2013 PV_{26}	17.5	X	340.81489	105.23668	280.55878	1.18075	0.2142802	0.25479881	2.4641726	21	11 8.5	19.3
376592 2013 PX_{27}	17.6	X	123.23647	159.76683	174.67674	6.20355	0.1440111	0.29215117	2.2493876	21	—	—
376593 2013 PC_{28}	17.8	X	165.90353	129.66124	181.20765	4.79057	0.1837752	0.30148365	2.2027246	21	—	—
376594 2013 PG_{28}	16.7	X	183.95117	64.21664	327.86786	10.42898	0.0877867	0.20384213	2.8593902	21	4 5.9	21.3
376595 2013 PH_{28}	16.5	X	235.56032	125.84124	175.15146	11.97068	0.0361740	0.19331049	2.9623232	21	2 14.9	21.0
376596 2013 PP_{28}	17.9	X	331.22474	28.03562	298.61461	2.28071	0.1224336	0.23625222	2.5915054	21	7 15.9	20.4
376597 2013 PC_{29}	16.0	X	103.05695	103.78147	303.70339	3.84816	0.1532442	0.17841966	3.1249344	21	2 10.8	20.3
376598 2013 PG_{29}	18.2	X	106.88286	173.26499	172.57156	4.26496	0.1599771	0.29240536	2.2480838	21	—	—
376599 2013 PK_{31}	16.8	X	59.43702	7.37700	318.73200	4.93218	0.1062157	0.26642379	2.3919608	21	12 11.4	20.1
376600 2013 PM_{31}	16.5	X	259.95694	225.31478	157.24794	5.83359	0.1795302	0.22371084	2.6874767	21	6 10.0	20.5
376601 2013 PY_{31}	15.4	X	60.35879	223.65467	147.41173	12.62274	0.0457609	0.15777365	3.3919262	21	—	—
376602 2013 PH_{33}	16.8	X	174.68300	250.39608	237.40325	3.94883	0.0668327	0.23385771	2.6091653	21	7 30.6	20.6
376603 2013 PU_{33}	16.6	X	280.60903	21.25896	293.32380	3.94017	0.1504823	0.21537508	2.7563799	21	4 8.2	20.6
376604 2013 PH_{34}	17.0	X	303.15147	306.37972	320.11596	8.78689	0.0590902	0.20590875	2.8402257	21	3 18.4	20.9
376605 2013 PZ_{34}	16.4	X	146.84595	203.47929	185.83277	5.02428	0.0387104	0.19611491	2.9340148	21	2 21.5	20.6
376606 2013 PF_{35}	16.1	X	320.97984	321.19202	329.11873	9.31239	0.0504488	0.22417176	2.6837915	21	5 13.0	19.8
376607 2013 PR_{36}	17.8	X	153.26794	35.98046	229.87160	2.57837	0.1084444	0.28413361	2.2915059	21	—	—
376608 2013 PU_{36}	17.4	X	24.88462	256.78815	192.05240	3.81089	0.0415284	0.29730303	2.2233261	21	—	—
376609 2013 PX_{36}	16.2	X	334.79694	223.19595	313.93596	6.89628	0.0140076	0.18665647	3.0323130	21	1 20.3	20.3
376610 2013 PU_{37}	16.0	X	193.61591	30.63142	343.69826	1.37295	0.0818013	0.20308353	2.8665064	21	3 29.6	20.2
376611 2013 PW_{37}	17.0	X	272.37941	36.26954	290.15429	2.32135	0.1957282	0.21711331	2.7416484	21	4 9.2	21.1
376612 2013 PK_{40}	17.0	X	349.75079	155.93436	238.29837	5.42822	0.1942831	0.25725295	2.4484758	21	12 11.4	19.2
376613 2013 PP_{40}	17.3	X	258.03078	44.26731	316.10837	3.57067	0.1096851	0.22015743	2.7163172	21	5 16.7	21.2
376614 2013 PY_{41}	17.1	X	338.01908	30.93018	220.00156	2.71066	0.0535862	0.21327801	2.7744186	21	4 18.2	20.5
376615 2013 PE_{43}	16.3	X	254.32334	156.36538	180.21373	13.34641	0.1233579	0.21230922	2.7828522	21	4 14.1	20.5
376616 2013 PH_{43}	16.1	X	226.20526	88.04453	249.48727	9.07071	0.0814362	0.19870977	2.9084163	21	3 15.2	20.7
376617 2013 PO_{47}	16.6	X	187.70314	155.97195	193.18219	5.00420	0.1093513	0.19710431	2.9241881	21	2 21.7	21.2
376618 2013 PQ_{48}	18.8	X	166.86668	324.86906	318.50376	2.06336	0.1307429	0.29228128	2.2487200	21	—	—
376619 2013 PY_{48}	16.1	X	193.44823	31.20769	231.43115	3.47282	0.0543852	0.17168877	3.2060832	21	—	—
376620 2013 PZ_{48}	16.1	X	173.05699	331.87763	303.09692	5.03373	0.1198626	0.17009567	3.2260706	21	—	—
376621 2013 PB_{49}	17.6	X	56.77103	39.38030	235.72763	1.82836	0.1831655	0.25673968	2.4517380	21	10 10.9	20.8
376622 2013 PP_{49}	16.4	X	296.37437	358.60880	285.63596	2.89509	0.0662593	0.21354298	2.7721231	21	4 1.4	20.2
376623 2013 PR_{49}	16.2	X	231.84080	255.09465	336.77026	8.89275	0.1835756	0.17742159	3.1366428	21	—	—
376624 2013 PB_{50}	15.8	X	63.15001	195.67938	230.56401	4.18496	0.1387846	0.17665839	3.1456703	21	1 7.4	19.6
376625 2013 PE_{50}	17.0	X	252.33268	5.39566	318.70421	3.58651	0.0697779	0.21118530	2.7927170	21	3 29.4	21.0
376626 2013 PJ_{59}	17.3	X	97.68364	68.02147	254.38377	5.18371	0.2289936	0.28454281	2.2893084	21	—	—
376627 2013 PK_{59}	16.1	X	266.60611	76.64679	169.66515	10.59934	0.0605518	0.19509555	2.9442260	21	1 13.2	20.6
376628 2013 PZ_{63}	17.7	X	321.84085	113.34470	185.52150	4.21502	0.2718895	0.23264376	2.6182339	21	4 25.0	20.7
376629 2013 PX_{65}	17.1	X	210.95487	219.56071	204.85501	3.42646	0.0987984	0.22293831	2.6936815	21	6 18.3	21.1
376630 2013 PU_{67}	17.4	X	41.05941	132.15365	161.64053	2.55015	0.1930640	0.25594015	2.4568413	21	10 17.7	20.2
376631 2013 PV_{67}	15.8	X	54.54864	144.78269	333.18090	20.47361	0.1412359	0.19061791	2.9901541	21	2 25.1	19.1
376632 2013 PJ_{68}	17.1	X	213.71747	146.03644	220.09302	3.67407	0.0892492	0.20970653	2.8058304	21	4 8.5	21.3
376633 2013 PL_{68}	17.5	X	350.43676	130.28226	160.07674	9.76212	0.1953328	0.23766975	2.5811908	21	6 23.6	20.0
376634 2013 PY_{69}	15.7	X	320.76454	7.59196	267.93245	10.91108	0.1603134	0.22532474	2.6746285	21	4 4.0	19.3
376635 2013 PD_{70}	16.7	X	14.64765	194.48883	147.36078	4.25060	0.1752132	0.26054941	2.4277800	21	11 11.0	19.2
376636 2013 PE_{70}	17.5	X	128.63162	130.78667	159.91984	4.78762	0.2415552	0.28680462	2.2772565	21	—	—
376637 2013 PF_{70}	16.2	X	287.14287	17.20031	350.98025	13.64949	0.3081386	0.23132922	2.6281434	21	5 31.9	20.3
376638 2013 PH_{70}	16.9	X	342.18661	198.80200	163.81622	7.65215	0.1177026	0.25257771	2.4785976	21	10 3.6	19.3
376639 2013 PS_{70}	16.4	X	166.32149	144.27850	173.00297	10.60166	0.1138799	0.18181034	3.0859603	21	—	—
376640 2013 PE_{71}	17.0	X	290.79648	135.72158	154.16990	9.81741	0.1890573	0.21647300	2.7470521	21	3 18.2	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376641 2013 PF_{71}	15.4	X	159.79986	355.45750	305.53421	4.94807	0.1185027	0.17156111	3.2076734	21	—	—
376642 2013 PL_{71}	17.8	X	92.07656	219.17482	128.93785	7.22016	0.1987125	0.28575434	2.2828331	21	—	—
376643 2013 PZ_{71}	16.0	X	112.22491	239.84081	150.00262	10.39340	0.1285940	0.18404744	3.0609028	21	1 26.9	20.3
376644 2013 PV_{72}	16.2	X	194.79224	241.56005	97.79323	3.15169	0.0821706	0.19431297	2.9521258	21	2 19.1	20.6
376645 2013 PZ_{72}	18.4	X	223.27197	283.03631	343.58184	3.66271	0.1843546	0.31121030	2.1565858	21	—	—
376646 2013 QG_{2}	17.5	X	88.43893	25.39366	226.98472	2.82976	0.1951640	0.26032330	2.4291856	21	10 19.5	21.1
376647 2013 QP_{2}	15.7	X	105.75410	234.09919	158.52481	10.71691	0.1113949	0.18170390	3.0871653	21	1 20.2	20.0
376648 2013 QS_{2}	16.7	X	78.91577	288.57472	287.80404	3.87624	0.0460935	0.24122531	2.5557643	21	7 29.3	19.9
376649 2013 QM_{3}	15.8	X	205.79617	322.22316	302.61744	7.97327	0.0533452	0.17487026	3.1670779	21	—	—
376650 2013 QO_{3}	16.1	X	133.83764	72.53882	316.36838	11.05887	0.0878581	0.18846876	3.0128427	21	2 13.3	20.5
376651 2013 QE_{4}	18.3	X	91.85279	138.27412	184.84256	2.66815	0.2218901	0.28077409	2.3097485	21	—	—
376652 2013 QO_{4}	16.1	X	225.46481	101.86184	162.25804	10.10294	0.0473972	0.18101664	3.0949743	21	—	—
376653 2013 QV_{4}	17.4	X	329.27619	60.94085	240.10557	2.05815	0.1339479	0.23102438	2.6304548	21	6 2.7	20.3
376654 2013 QY_{6}	16.9	X	209.41353	119.45645	195.77211	9.79139	0.1000866	0.19315938	2.9638680	21	2 1.8	21.7
376655 2013 QB_{7}	16.8	X	335.85692	112.86914	189.90462	10.52687	0.0947500	0.23357129	2.6112979	21	6 21.1	20.0
376656 2013 QD_{7}	16.0	X	17.89109	222.15874	280.33424	9.09365	0.0749753	0.18924597	3.0045882	21	1 26.9	19.8
376657 2013 QM_{8}	15.9	X	189.64742	301.70236	25.18055	8.23135	0.1399726	0.18814452	3.0163033	21	2 4.1	20.9
376658 2013 QR_{8}	17.5	X	131.09230	352.75457	203.91488	3.93952	0.0685083	0.24613459	2.5216663	21	9 10.1	21.1
376659 2013 QS_{8}	16.6	X	87.90223	232.80515	210.34330	3.25797	0.1594121	0.18374012	3.0643149	21	3 6.5	20.8
376660 2013 QA_{9}	16.4	X	143.65443	235.53360	192.33209	4.97200	0.1081528	0.20013568	2.8945854	21	4 14.7	20.8
376661 2013 QF_{9}	16.8	X	184.48430	36.45440	337.96527	9.34891	0.1122904	0.19820045	2.9133967	21	3 19.7	21.4
376662 2013 QQ_{9}	18.0	X	120.37011	113.16096	188.23912	2.44910	0.0655976	0.27976779	2.3152839	21	—	—
376663 2013 QS_{9}	18.2	X	203.98623	0.99226	247.71432	1.37730	0.1833769	0.29604962	2.2295970	21	—	—
376664 2013 QX_{9}	17.1	X	23.49568	266.18398	323.08923	4.68197	0.1969120	0.22618783	2.6678202	21	6 4.5	19.6
376665 2013 QC_{10}	18.1	X	167.87573	290.77540	316.68502	2.46477	0.1333004	0.28104148	2.3082833	21	12 28.8	21.5
376666 2013 QB_{13}	17.7	X	276.44852	207.67749	331.84514	6.49066	0.0399379	0.28991629	2.2609327	21	—	—
376667 2013 QQ_{13}	17.1	X	284.20566	55.96620	267.69864	5.48394	0.2110476	0.22221268	2.6995424	21	4 15.1	21.2
376668 2013 QK_{14}	17.6	X	68.60595	321.57208	308.70008	2.29562	0.0547607	0.25095278	2.4892855	21	9 29.1	20.8
376669 2013 QB_{15}	17.8	X	205.23075	227.46524	210.43675	3.52916	0.1583874	0.22276940	2.6950430	21	6 26.7	22.1
376670 2013 QE_{15}	16.3	X	330.35679	327.92245	342.40109	14.55322	0.1050089	0.23082682	2.6319555	21	6 22.9	19.7
376671 2013 QM_{15}	16.4	X	151.36523	349.05151	323.49458	3.76425	0.1175894	0.16865685	3.2443925	21	—	—
376672 2013 QX_{22}	16.8	X	231.58170	1.87916	358.93887	3.95357	0.0789423	0.21385777	2.7694021	21	4 20.8	20.9
376673 2013 QA_{29}	17.1	X	228.01588	9.18057	343.01139	2.61530	0.0458469	0.20922714	2.8101147	21	4 8.7	21.1
376674 2013 QD_{29}	16.8	X	189.99080	108.36776	202.95406	1.19990	0.0418154	0.18279738	3.0748415	21	1 11.2	21.3
376675 2013 QP_{31}	16.1	X	3.22629	248.12911	266.04414	7.71679	0.0745978	0.18830296	3.0146110	21	1 20.8	20.0
376676 2013 QV_{33}	16.5	X	172.41328	20.04227	251.21050	2.27069	0.2285178	0.16727862	3.2621888	21	—	—
376677 2013 QF_{34}	17.2	X	161.24422	86.81332	334.75038	5.24081	0.0646096	0.20554858	2.8435426	21	4 19.4	21.4
376678 2013 QY_{35}	18.6	X	100.75639	72.63670	325.33914	2.44722	0.2291054	0.29832785	2.2182314	21	1 10.4	20.3
376679 2013 QA_{39}	16.2	X	95.80193	88.10840	315.15796	9.63900	0.0255279	0.18131520	3.0915759	21	1 11.3	20.5
376680 2013 QB_{39}	15.5	X	195.83493	310.56371	317.84688	10.67812	0.0719377	0.17274365	3.1930177	21	—	—
376681 2013 QS_{39}	15.7	X	354.79310	305.40867	169.19457	14.39448	0.0297044	0.17174501	3.2053833	21	—	—
376682 2013 QH_{43}	16.9	X	133.48280	316.81076	163.55651	9.69468	0.0672145	0.21969278	2.7201458	21	6 4.9	21.0
376683 2013 QC_{44}	16.8	X	205.33336	331.24432	324.09585	5.19592	0.1779596	0.18599449	3.0395036	21	1 11.1	21.9
376684 2013 QC_{47}	15.2	X	358.41209	333.47288	2.17137	0.88725	0.1982214	0.12265830	4.0117891	21	9 8.2	19.7
376685 2013 QM_{51}	16.3	X	168.41470	129.12451	196.88697	2.38855	0.0666966	0.18023117	3.1039600	21	1 7.3	20.8
376686 2013 QM_{56}	15.9	X	144.80968	230.78120	124.20957	9.65731	0.1488285	0.18022774	3.1039994	21	1 24.9	20.7
376687 2013 QF_{58}	16.1	X	169.36131	176.38330	137.44077	10.86297	0.0573999	0.17647506	3.1478485	21	—	—
376688 2013 QB_{60}	15.7	X	126.92344	221.72814	151.75227	9.92820	0.0972139	0.18125603	3.0922486	21	1 20.7	20.2
376689 2013 QX_{65}	17.1	X	18.47148	339.50400	322.37235	2.17005	0.0204236	0.24542869	2.5264992	21	8 28.1	20.2
376690 2013 QG_{68}	17.6	X	24.54562	230.57655	156.94031	6.95007	0.1175563	0.27300816	2.3533452	21	—	—
376691 2013 QR_{68}	16.7	X	220.58940	17.72336	329.15454	5.51356	0.0754727	0.20475271	2.8509063	21	3 22.7	21.0
376692 2013 QU_{75}	16.9	X	237.73415	194.35906	156.44535	6.52523	0.0646078	0.21427231	2.7658291	21	4 19.4	20.9
376693 2013 QH_{79}	17.3	X	14.87285	2.94189	332.56638	0.47908	0.1953865	0.25598456	2.4565571	21	11 2.5	19.5
376694 Kassák	16.6	X	187.84733	119.31286	159.84536	10.21605	0.1882365	0.17655157	3.1469390	21	—	—
376695 2013 QS_{79}	17.3	X	321.11342	112.54407	339.94013	6.68371	0.0952728	0.27304623	2.3531264	21	—	—
376696 2013 QF_{80}	17.2	X	328.84559	125.08037	194.88125	3.02121	0.0193899	0.23323168	2.6138321	21	7 11.0	20.6
376697 2013 QK_{80}	16.9	X	218.61418	70.84149	230.85006	2.27445	0.0903527	0.19068433	2.9894598	21	1 28.2	21.4
376698 2013 QY_{80}	17.1	X	344.73673	141.86387	224.86634	1.69854	0.1702759	0.25441032	2.4666805	21	10 15.2	19.0
376699 2013 QK_{81}	16.0	X	149.24917	113.88996	215.55487	3.91049	0.1225202	0.17694448	3.1422787	21	—	—
376700 2013 RO_{1}	17.1	X	249.34665	18.11492	326.48519	3.46122	0.1131361	0.21222789	2.7835631	21	4 16.5	21.2
376701 2013 RS_{1}	17.5	X	233.16128	217.47464	181.58297	4.86792	0.1161433	0.22178810	2.7029866	21	6 8.8	21.6
376702 2013 RU_{2}	17.4	X	20.04013	172.64376	171.06712	2.67040	0.1872482	0.25759027	2.4463377	21	11 23.1	19.9
376703 2013 RW_{2}	16.7	X	234.06552	227.49583	136.54083	7.94025	0.0894451	0.21382317	2.7697009	21	5 1.1	20.9
376704 2013 RK_{8}	17.1	X	256.20436	22.05497	306.40962	3.63443	0.0476482	0.20917491	2.8105824	21	4 10.9	21.1
376705 2013 RA_{12}	15.8	X	287.02261	317.45017	175.52203	9.35071	0.0221730	0.15483782	3.4346674	21	12 15.9	20.7
376706 1994 UT_{7}	17.0	X	230.92400	46.42393	349.39704	3.59637	0.1145944	0.20885454	2.8134559	21	6 1.6	21.3
376707 1995 OO	16.9	X	124.36355	212.01355	348.81029	23.52898	0.7776017	0.31108752	2.1571532	21	10 2.1	22.5
376708 1995 SV_{32}	16.7	X	165.08556	174.08535	165.21884	4.22342	0.1660576	0.17003453	3.2268440	21	1 27.8	21.8
376709 1995 SZ_{61}	15.5	X	69.93717	121.51590	348.23527	18.90394	0.1354483	0.17240262	3.1972271	21	3 12.9	19.6
376710 1995 SR_{63}	16.8	X	163.05560	285.31918	197.02344	6.65520	0.0741163	0.21883757	2.7272280	21	7 10.1	20.9
376711 1995 SB_{79}	17.4	X	228.49083	239.83555	353.31737	6.73389	0.1520623	0.28146292	2.3059785	21	—	—
376712 1995 TQ_{9}	16.6	X	47.50088	216.23624	10.06319	8.84394	0.1108491	0.21924305	2.7238645	21	7 8.2	20.0
376713 1995 WQ_{5}	16.7	X	62.70682	283.94327	88.69562	21.09003	0.4134367	0.27392556	2.3480879	21	—	—
376714 1996 GD_{7}	16.7	X	297.02786	211.51991	48.77933	2.37109	0.2434517	0.19191301	2.9766865	21	2 12.8	21.2
376715 1996 RC_{19}	17.0	X	128.93867	201.47726	358.39527	10.08111	0.0538798	0.23545386	2.5973601	21	9 12.2	20.7
376716 1996 SA_{3}	17.4	X	285.07542	277.40791	166.52636	4.04836	0.2274021	0.23662393	2.5887907	21	9 28.3	20.2
376717 1996 TW_{16}	16.2	X	139.41952	71.47033	326.98639	9.64707	0.1254340	0.17848242	3.1242019	21	3 7.1	20.9
376718 1996 VR_{19}	17.4	X	97.61520	350.29196	61.10928	4.98943	0.1773429	0.29091400	2.2557604	21	1 19.0	19.4
376719 1996 VV_{31}	16.2	X	62.71617	135.30188	331.03097	8.19696	0.0635350	0.17480621	3.1678514	21	2 18.9	20.3
376720 1997 CO_{5}	17.0	X	288.70873	124.37638	317.39535	19.12605	0.4791992	0.23159399	2.6261399	21	8 15.8	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376721 1997 GR_{30}	18.0	X	252.70591	89.12115	191.42266	4.79623	0.2688100	0.31983080	2.1176582	21	1 10.1	21.6
376722 1997 HF	16.4	X	115.81373	306.30700	214.80754	8.47391	0.0907288	0.21186395	2.7867500	21	7 7.3	20.5
376723 1997 SB_{26}	16.2	X	183.18938	32.83064	355.12307	9.88120	0.1174017	0.18977642	2.9989868	21	4 4.7	21.1
376724 1997 UH_{6}	17.2	X	169.65392	12.36617	30.36506	1.83407	0.2030358	0.18737345	3.0245726	21	4 15.5	22.4
376725 1998 FP_{74}	16.2	X	47.39629	262.36357	25.44896	11.01828	0.0142117	0.22929699	2.6436491	21	9 20.4	19.7
376726 1998 JZ_{3}	16.3	X	259.98276	184.08720	64.12420	25.09724	0.1941852	0.28703242	2.2760515	21	—	—
376727 1998 QD_{58}	17.1	X	247.56051	190.81457	177.96078	1.98018	0.0856846	0.20416538	2.8563712	21	5 20.7	21.2
376728 1998 WC_{44}	17.9	X	350.39735	244.43177	206.07335	1.71139	0.1876831	0.26324089	2.4112032	21	—	—
376729 1998 YB_{8}	19.0	X	353.13759	343.67642	106.44502	8.92009	0.4691595	0.26177620	2.4201890	21	—	—
376730 1999 JY_{102}	16.6	X	1.86277	178.37567	83.81816	7.70138	0.2822624	0.22505623	2.6767554	21	6 3.4	18.3
376731 1999 JS_{126}	15.0	X	357.61118	122.68318	72.83130	14.94574	0.2316884	0.17433495	3.1735578	21	3 4.2	18.7
376732 1999 KP_{3}	16.6	X	43.20605	50.69407	228.22422	15.05498	0.1627403	0.23214531	2.6219804	21	9 15.4	20.1
376733 1999 PQ_{2}	17.0	X	298.54216	15.87664	336.86499	6.10213	0.0747876	0.21913073	2.7247951	21	7 6.7	20.5
376734 1999 RS_{206}	15.9	X	304.77758	96.37437	247.93702	11.95404	0.2334598	0.21785491	2.7354229	21	6 7.7	19.1
376735 1999 TA_{22}	16.9	X	179.55396	275.50572	167.06480	3.93628	0.0738909	0.21218851	2.7839076	21	6 8.6	21.0
376736 1999 TU_{58}	18.4	X	121.41799	176.99587	167.94522	2.70862	0.2049124	0.28279401	2.2987368	21	—	—
376737 1999 TQ_{67}	17.0	X	279.62539	288.85158	56.69606	5.06182	0.2154846	0.21225214	2.7833511	21	5 10.6	21.0
376738 1999 TG_{83}	17.2	X	314.68479	158.78467	154.87771	2.63421	0.1932122	0.21558589	2.7545827	21	5 19.3	20.4
376739 1999 TT_{83}	17.3	X	295.12395	285.15886	18.78848	7.31676	0.3012476	0.21206129	2.7850208	21	3 25.9	21.5
376740 1999 TY_{84}	16.8	X	286.91382	110.25245	239.42105	1.10483	0.2357899	0.21511245	2.7586230	21	5 21.3	20.6
376741 1999 TY_{112}	15.8	X	318.55141	101.53426	233.05137	8.20640	0.1775976	0.21833297	2.7314285	21	6 25.9	18.9
376742 1999 TS_{226}	17.9	X	99.54044	39.60594	334.49631	0.97716	0.2236184	0.28337846	2.2955750	21	—	—
376743 1999 TV_{252}	16.2	X	329.54015	290.08100	27.32633	8.68273	0.1554688	0.21742279	2.7390461	21	6 24.9	19.4
376744 1999 TZ_{261}	17.9	X	54.36012	73.07619	8.42964	5.19690	0.1788433	0.28412278	2.2915641	21	—	—
376745 1999 TE_{270}	16.0	X	263.16473	179.93555	220.97619	13.05577	0.1977525	0.21653376	2.7465382	21	7 2.7	20.3
376746 1999 TS_{270}	15.6	X	263.39803	33.08793	359.08151	11.77605	0.0898801	0.21593484	2.7516144	21	7 11.1	19.6
376747 1999 US_{11}	17.6	X	132.49239	265.09827	54.35631	2.77576	0.2453642	0.28235241	2.3011330	21	—	—
376748 1999 UC_{12}	17.5	X	303.18613	15.47422	8.65581	20.09390	0.0636218	0.35762649	1.9656956	21	9 16.4	19.1
376749 1999 UQ_{27}	16.8	X	227.64134	48.45822	6.72370	7.60325	0.2236786	0.21440539	2.7646845	21	6 14.7	21.6
376750 1999 UO_{31}	16.3	X	220.73795	43.19787	33.42335	12.28828	0.0900709	0.21433232	2.7653128	21	7 18.5	20.6
376751 1999 UU_{40}	15.9	X	76.56868	351.82794	38.99102	6.18697	0.0489601	0.14755736	3.5467355	21	—	—
376752 1999 VE_{14}	16.0	X	79.44565	137.33981	241.93157	22.18186	0.2475772	0.28012849	2.3132959	21	—	—
376753 1999 VB_{40}	17.9	X	52.76106	39.08222	45.98823	6.25555	0.1205935	0.28558985	2.2837095	21	—	—
376754 1999 VV_{41}	16.9	X	317.82303	311.86558	348.15120	4.29327	0.1549439	0.21267560	2.7796552	21	5 9.3	20.3
376755 1999 VH_{70}	17.9	X	39.72036	16.12705	47.40422	7.63954	0.2101957	0.27938673	2.3173886	21	—	—
376756 1999 VM_{103}	17.7	X	92.07560	98.44945	285.59862	0.53927	0.2111333	0.28265668	2.2994813	21	—	—
376757 1999 VP_{123}	17.0	X	264.52231	180.46050	213.44559	5.15332	0.0453612	0.21312245	2.7757686	21	7 17.7	20.8
376758 1999 VO_{138}	17.6	X	38.69998	16.59509	68.36110	6.21410	0.1349295	0.28121207	2.3073497	21	—	—
376759 1999 VT_{152}	16.6	X	69.19175	90.54424	71.55215	7.74734	0.0097325	0.20429788	2.8551361	21	4 30.9	20.5
376760 1999 VZ_{164}	16.6	X	206.43211	55.07951	36.29667	2.31529	0.2110987	0.21152362	2.7897383	21	7 13.1	21.3
376761 1999 VZ_{210}	16.2	X	281.02218	287.01788	84.22971	10.38338	0.3666111	0.21586507	2.7522073	21	5 26.6	20.4
376762 1999 WW_{23}	16.9	X	221.22518	186.84803	234.20759	3.47464	0.0564495	0.21085773	2.7956086	21	6 28.6	20.9
376763 1999 XB_{9}	17.0	X	119.45510	312.74385	82.17158	23.66048	0.2950699	0.28691412	2.2766771	21	2 27.2	20.6
376764 1999 XS_{16}	15.4	X	62.81248	99.23254	77.34209	10.07460	0.5359219	0.19521601	2.9430147	21	7 30.4	19.9
376765 1999 XZ_{144}	16.7	X	191.21928	138.23627	232.80471	9.29358	0.1554251	0.20316298	2.8657590	21	3 21.5	21.5
376766 1999 XB_{150}	17.1	X	217.59525	178.65645	236.80176	1.95014	0.1771745	0.20975718	2.8053787	21	6 9.6	21.6
376767 1999 XM_{225}	17.8	X	91.69160	137.81724	288.54997	6.72584	0.1255984	0.28242213	2.3007542	21	1 23.1	20.1
376768 1999 XD_{253}	17.4	X	208.77771	321.97026	99.31899	2.74307	0.2008381	0.20919542	2.8103987	21	6 8.1	22.0
376769 2000 AL_{253}	18.0	X	347.80506	202.58942	289.35643	2.34320	0.1194408	0.27555768	2.3388069	21	—	—
376770 2000 CJ_{74}	16.7	X	183.21895	277.97175	136.60033	12.88859	0.0027124	0.19698217	2.9253967	21	5 11.5	21.0
376771 2000 DH_{17}	17.3	X	40.23961	67.03418	158.06657	11.05806	0.3059796	0.28662595	2.2782028	21	7 25.7	19.1
376772 2000 FD_{6}	15.8	X	261.79149	242.08091	16.23193	16.37395	0.1823458	0.17802545	3.1295458	21	1 20.5	21.1
376773 2000 GJ_{149}	17.5	X	169.03116	53.20719	166.70766	2.72088	0.1552961	0.25732829	2.4479978	21	11 21.4	21.4
376774 2000 GT_{178}	15.7	X	173.26252	269.66859	57.33060	26.22688	0.2536740	0.17108304	3.2136463	21	1 31.6	21.7
376775 2000 HW_{23}	18.3	X	215.15692	245.12114	46.37427	7.74585	0.4225041	0.31137757	2.1558134	21	1 2.4	22.6
376776 2000 HG_{38}	16.3	X	355.12140	147.65801	36.54094	6.73763	0.1094613	0.18295006	3.0731306	21	2 18.5	20.2
376777 2000 HC_{102}	15.5	X	269.93469	213.23069	57.85929	23.53725	0.1946447	0.17849902	3.1240081	21	2 14.7	20.9
376778 2000 JY_{8}	17.2	X	224.17321	41.35175	108.89969	16.50804	0.6090106	0.21291975	2.7775300	21	9 18.1	23.2
376779 2000 LU_{25}	15.8	X	332.03606	94.23715	238.41670	32.87187	0.4409563	0.23373648	2.6100674	21	5 30.4	17.8
376780 2000 NG_{15}	15.8	X	336.54149	45.29970	315.10746	12.85479	0.2041841	0.23587767	2.5942481	21	9 6.5	18.1
376781 2000 OY_{12}	16.7	X	340.51676	59.51331	301.76233	3.69862	0.3123312	0.23713782	2.5850493	21	9 20.9	18.0
376782 2000 QC_{70}	18.2	X	64.68153	336.27682	339.84813	20.74233	0.0668953	0.38409594	1.8743164	21	12 27.9	20.8
376783 2000 QK_{138}	16.5	X	349.76308	332.74768	5.36564	7.84701	0.2316132	0.23392537	2.6086621	21	9 11.7	18.4
376784 2000 QW_{144}	18.0	X	37.53560	334.94645	6.45141	5.85313	0.2927832	0.28821394	2.2698268	21	—	—
376785 2000 QV_{147}	16.1	X	17.49052	324.63054	332.85751	19.71448	0.2570421	0.23511435	2.5998600	21	9 11.7	18.6
376786 2000 QO_{194}	16.6	X	17.07978	293.66191	132.45095	10.53908	0.5006912	0.19711399	2.9240924	21	—	—
376787 2000 RQ_{8}	15.4	X	344.55890	340.41219	8.28684	33.77621	0.2118048	0.23264457	2.6182278	21	9 22.6	17.8
376788 2000 RV_{37}	19.4	X	359.99137	210.94433	330.33029	16.33415	0.4960047	0.92802317	1.0409507	21	—	—
376789 2000 RP_{40}	17.6	X	170.69551	38.75390	286.92180	6.13404	0.2544043	0.30397550	2.1906702	21	1 4.2	20.9
376790 2000 SK_{20}	15.8	X	309.97154	132.07016	237.70356	13.82377	0.1755551	0.22973119	2.6403170	21	7 27.8	19.0
376791 2000 SS_{30}	17.5	X	290.25129	242.65960	146.19269	3.40284	0.3316524	0.22979343	2.6398402	21	7 1.8	21.0
376792 2000 SU_{92}	16.5	X	326.39519	104.97835	282.11808	7.56955	0.1792998	0.23541096	2.5976757	21	9 26.8	19.1
376793 2000 SC_{99}	16.7	X	343.34376	79.57449	277.04341	2.15107	0.2042341	0.23406433	2.6076295	21	9 21.4	18.9
376794 2000 SN_{125}	17.9	X	44.78577	316.80162	56.74628	5.60134	0.3310129	0.29030140	2.2589327	21	—	—
376795 2000 SN_{129}	16.2	X	321.48294	47.94461	298.68121	15.88602	0.2600106	0.23197232	2.6232837	21	7 8.3	18.6
376796 2000 SC_{135}	16.8	X	305.53032	64.51193	323.62888	11.37787	0.2262628	0.23206901	2.6225551	21	8 13.6	19.6
376797 2000 SZ_{156}	16.4	X	332.58634	45.73617	299.92102	15.85000	0.2345698	0.23161045	2.6260155	21	8 3.1	18.7
376798 2000 SU_{288}	16.3	X	294.30890	68.74162	340.05156	12.23376	0.1753248	0.23244836	2.6197010	21	9 1.3	19.3
376799 2000 SP_{301}	17.0	X	272.10101	159.96082	263.96113	3.44542	0.2408029	0.22926078	2.6439275	21	8 7.9	20.6
376800 2000 SD_{314}	16.7	X	324.80256	67.92154	279.34475	13.84007	0.2344517	0.23228392	2.6209372	21	7 17.9	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376801 2000 SG_{326}	17.3	X	256.38365	58.45616	13.12539	3.23671	0.0545609	0.23011029	2.6374164	21	8 28.5	20.7
376802 2000 SH_{357}	16.7	X	278.40979	335.61414	84.37668	12.84430	0.2596467	0.22960169	2.6413098	21	8 12.9	20.4
376803 2000 SO_{357}	16.6	X	310.63958	320.15593	61.09696	14.73445	0.2588335	0.23133549	2.6280959	21	8 13.9	19.6
376804 2000 TQ_{42}	16.6	X	313.17912	317.30860	82.44896	6.35837	0.2958916	0.23341559	2.6124589	21	9 8.8	18.8
376805 2000 TK_{60}	16.3	X	332.27006	270.41305	74.79810	13.94990	0.2284642	0.23116257	2.6294064	21	8 9.7	18.8
376806 2000 UM_{97}	16.6	X	253.15495	182.97791	251.03161	8.82599	0.3452215	0.22569119	2.6717325	21	7 18.4	21.1
376807 2000 VK_{5}	16.5	X	347.43137	281.20127	35.95085	11.47955	0.3095812	0.23036923	2.6354396	21	7 29.6	18.3
376808 2000 WT_{4}	16.4	X	247.30572	159.48558	290.55170	12.83082	0.2071474	0.22583555	2.6705938	21	8 15.0	20.5
376809 2000 WG_{13}	17.8	X	316.57142	190.31710	230.03777	20.75132	0.0767466	0.37681028	1.8983993	21	12 10.9	19.3
376810 2000 WZ_{116}	16.6	X	296.35090	136.73994	279.40191	11.18412	0.2805670	0.22874320	2.6479143	21	8 21.9	19.8
376811 2000 WU_{124}	16.6	X	262.65919	64.95081	63.60523	29.32947	0.3865957	0.23011937	2.6373469	21	10 17.9	20.9
376812 2000 WA_{148}	16.0	X	306.75966	290.80265	89.45540	13.42256	0.2202901	0.22594119	2.6697614	21	8 7.4	19.0
376813 2000 YH_{39}	16.3	X	262.93356	147.78338	283.65583	7.29430	0.2860509	0.22510105	2.6764001	21	7 31.7	20.4
376814 2000 YN_{48}	16.3	X	289.25994	346.20694	105.28943	15.52464	0.1907950	0.22988773	2.6391183	21	10 28.8	19.6
376815 2000 YW_{51}	17.0	X	248.94509	132.54511	290.20336	8.12947	0.3284991	0.22263436	2.6961326	21	7 4.6	21.6
376816 2000 YP_{64}	17.5	X	258.80822	182.75197	287.65075	17.19507	0.0876087	0.37118018	1.9175478	21	11 4.5	19.6
376817 2001 AT_{43}	16.4	X	165.14483	105.90024	284.50787	21.58868	0.2958686	0.30328762	2.1939813	21	3 11.2	20.6
376818 2001 AG_{54}	17.6	X	39.90764	6.11773	103.02358	8.56554	0.2765769	0.29294793	2.2453072	21	—	—
376819 2001 BE_{3}	17.4	X	27.17786	144.68260	347.14380	5.63786	0.1716628	0.29487420	2.2355181	21	—	—
376820 2001 BZ_{13}	17.7	X	86.27409	170.03569	265.82647	3.87994	0.1035679	0.29617198	2.2289829	21	1 20.8	19.8
376821 2001 CL_{18}	16.4	X	205.71756	11.08999	112.76523	10.56783	0.2309552	0.21884294	2.7271834	21	8 22.6	21.1
376822 2001 DD_{56}	17.6	X	249.69361	60.95497	145.83956	3.64343	0.1643377	0.28096680	2.3086922	21	—	—
376823 2001 EU_{23}	17.6	X	248.77133	231.21042	340.59990	4.96221	0.1852643	0.28002909	2.3138433	21	—	—
376824 2001 FN_{11}	16.3	X	66.81569	175.15345	28.65646	8.17474	0.2394603	0.20443471	2.8538619	21	7 28.2	20.2
376825 2001 FP_{59}	17.0	X	268.89143	191.08593	21.91155	8.64650	0.1668413	0.28297386	2.2977627	21	—	—
376826 2001 FF_{64}	17.1	X	300.09398	67.42914	111.57469	4.47907	0.1085114	0.28319348	2.2965746	21	—	—
376827 2001 FR_{113}	17.4	X	236.13971	1.30250	214.86523	3.92274	0.1537721	0.27819684	2.3239918	21	—	—
376828 2001 FC_{186}	17.0	X	226.35568	177.06288	45.49854	8.40270	0.2370039	0.27669103	2.3324159	21	—	—
376829 2001 FY_{208}	17.3	X	142.72874	308.42473	165.30333	1.73024	0.0693347	0.20549532	2.8440339	21	6 6.7	21.3
376830 2001 MJ_{11}	17.7	X	25.43471	217.91976	94.62868	8.64905	0.2671770	0.30079336	2.2060933	21	11 12.5	20.0
376831 2001 OL_{1}	15.5	X	132.10237	275.21466	104.92174	17.00972	0.2591896	0.17339023	3.1850748	21	2 27.2	20.8
376832 2001 OW_{3}	15.5	X	223.89722	316.80808	325.45331	16.30274	0.2087166	0.17687294	3.1431260	21	1 14.3	21.0
376833 2001 OM_{25}	18.2	X	108.23062	175.79189	144.71508	4.90692	0.2417662	0.31264395	2.1499880	21	—	—
376834 2001 OH_{92}	15.3	X	163.67505	27.90721	326.97086	13.96055	0.2116328	0.17555682	3.1588154	21	2 15.9	20.4
376835 2001 QD_{9}	15.5	X	151.92758	52.77669	334.05474	16.01273	0.2049964	0.17576178	3.1563591	21	3 10.9	20.7
376836 2001 QD_{61}	16.5	X	242.45287	253.65913	134.85385	29.40878	0.3721469	0.23419351	2.6066706	21	5 24.6	21.9
376837 2001 QA_{114}	16.6	X	213.95520	284.64469	125.80971	28.48473	0.4196097	0.23097662	2.6308174	21	5 30.9	22.3
376838 2001 QP_{146}	16.1	X	180.76949	202.15690	130.03788	3.10659	0.1973165	0.17434636	3.1734193	21	2 3.5	21.5
376839 2001 QZ_{148}	15.2	X	135.56487	255.46080	131.83797	26.43289	0.3013931	0.17360005	3.1825079	21	3 13.5	20.8
376840 2001 QG_{161}	17.1	X	102.50068	332.98864	344.91231	1.78646	0.1754284	0.26089116	2.4256593	21	—	—
376841 2001 QE_{162}	15.5	X	187.87927	315.81249	351.71086	11.28832	0.1573607	0.17188240	3.2036749	21	1 13.9	20.9
376842 2001 QM_{259}	16.7	X	338.72860	281.36684	337.77952	23.48097	0.2892248	0.28641314	2.2793311	21	3 8.9	18.9
376843 2001 QW_{267}	15.6	X	162.74528	181.67816	172.08747	16.81821	0.1897226	0.17334152	3.1856715	21	2 11.0	21.0
376844 2001 QV_{316}	17.2	X	165.43527	265.49888	102.80597	1.88027	0.1819302	0.17645389	3.1481003	21	3 3.7	22.4
376845 2001 QO_{318}	17.4	X	100.23915	318.44915	345.17187	2.44945	0.1361903	0.25949048	2.4343803	21	12 29.4	21.1
376846 2001 RU	15.4	X	199.17916	66.67465	245.81414	24.14453	0.2844374	0.17248647	3.1961908	21	1 20.1	21.5
376847 2001 RK_{15}	15.5	X	194.85094	77.18632	246.85344	11.10566	0.2001064	0.17294835	3.1904977	21	2 1.6	21.1
376848 2001 RY_{47}	19.4	X	85.25150	214.05327	11.21308	17.60749	0.3928663	1.14186981	0.9065498	21	—	—
376849 2001 RM_{66}	15.6	X	205.86299	131.86330	251.98242	4.77592	0.1766318	0.17993267	3.1073919	21	4 21.9	20.8
376850 2001 RU_{129}	15.6	X	110.63513	31.28514	1.15327	15.82981	0.0923345	0.16926384	3.2366315	21	2 1.5	20.4
376851 2001 RG_{152}	16.4	X	33.12136	322.96491	23.03899	14.97176	0.1361816	0.25250115	2.4790987	21	12 2.0	19.7
376852 2001 SX_{85}	15.9	X	136.58024	80.42677	298.14365	3.85918	0.1942447	0.17176045	3.2051911	21	2 17.9	20.9
376853 2001 SQ_{94}	15.3	X	291.21382	235.51781	338.32239	11.15330	0.0949150	0.17077644	3.2174916	21	1 5.8	20.2
376854 2001 SK_{96}	15.2	X	357.56766	191.20175	354.99907	16.85413	0.1712942	0.17554097	3.1590055	21	2 22.4	18.9
376855 2001 SY_{272}	15.6	X	187.51099	113.65614	207.15654	25.25538	0.2166822	0.17264520	3.1942314	21	1 22.1	21.5
376856 2001 SN_{290}	15.5	X	156.84449	131.96237	250.20169	16.16805	0.3278898	0.17519825	3.1631240	21	3 13.0	21.5
376857 2001 SW_{299}	16.8	X	132.97979	339.16136	343.75707	7.64827	0.2153425	0.21448852	2.7639701	21	—	—
376858 2001 SJ_{301}	17.3	X	21.90807	215.62456	231.58979	1.38925	0.1392695	0.26198777	2.4188859	21	—	—
376859 2001 SS_{316}	16.9	X	315.99670	109.47683	319.33952	8.31416	0.2647019	0.24556073	2.5255935	21	11 3.7	18.8
376860 2001 SC_{323}	16.0	X	127.27107	276.97345	116.68768	6.89001	0.1789792	0.17050197	3.2209435	21	2 27.9	20.9
376861 2001 TH_{7}	17.2	X	295.84877	285.10790	62.97914	7.64022	0.3555307	0.24016778	2.5632613	21	5 11.9	20.8
376862 2001 TP_{25}	17.7	X	319.71420	125.88969	219.03148	12.37387	0.2862244	0.24158080	2.5532564	21	6 23.9	20.4
376863 2001 TU_{90}	16.7	X	27.21767	124.01431	249.94116	5.47767	0.1194027	0.25279164	2.4771991	21	12 31.6	19.8
376864 2001 TP_{103}	20.1	X	11.94801	243.20352	224.13983	4.73705	0.3598239	0.40784676	1.8008244	21	—	—
376865 2001 TJ_{153}	15.6	X	173.43802	266.61689	60.68786	7.04267	0.1992914	0.17046220	3.2214445	21	1 25.3	21.0
376866 2001 TU_{190}	16.3	X	348.32901	133.56054	239.81450	10.99179	0.0589337	0.24464249	2.5319092	21	10 22.2	19.5
376867 2001 TN_{222}	13.2	X	4.13309	228.21275	33.32936	24.41113	0.0352106	0.08272990	5.2162818	21	6 10.6	20.2
376868 2001 TU_{254}	16.2	X	131.77217	289.31842	95.82876	5.87094	0.1407279	0.16922833	3.2370842	21	2 18.5	21.1
376869 2001 TQ_{260}	13.7	X	108.33214	57.68082	96.54937	5.67148	0.0077298	0.08391171	5.1671890	21	6 12.8	20.6
376870 2001 UR_{60}	17.2	X	35.40108	357.74599	341.48881	4.81988	0.2137198	0.25120961	2.4875885	21	12 10.9	20.4
376871 2001 UT_{108}	16.2	X	9.83324	296.58061	61.29376	11.03959	0.1523164	0.24602510	2.5224144	21	11 17.7	18.8
376872 2001 UM_{160}	17.2	X	343.77242	159.55364	224.54987	7.31020	0.2408178	0.24570438	2.5246089	21	11 13.4	18.7
376873 2001 UW_{230}	13.6	X	262.62099	315.50398	27.98586	28.17905	0.1059464	0.08312879	5.1995819	21	5 4.6	20.8
376874 2001 VE	15.7	X	136.43107	333.14862	62.56743	27.12065	0.4744503	0.17078178	3.2174245	21	4 13.1	22.1
376875 2001 VD_{37}	15.7	X	349.17779	133.03655	242.09220	10.23869	0.1269164	0.24348366	2.5399364	21	10 30.6	18.4
376876 2001 VC_{56}	17.7	X	232.22049	84.63704	283.88289	4.09744	0.2826528	0.28028498	2.3124348	21	4 14.3	21.9
376877 2001 VV_{85}	17.0	X	275.21195	130.94315	343.25744	4.95273	0.2555232	0.24489329	2.5301802	21	10 18.6	19.9
376878 2001 VY_{114}	16.7	X	325.38852	139.68403	260.61787	6.23325	0.1975048	0.24383733	2.5374797	21	10 18.4	18.9
376879 2001 WW_{1}	22.2	X	226.68919	45.92319	59.79805	21.73804	0.1216610	0.74052743	1.2099719	21	—	—
376880 2001 WE_{12}	17.7	X	313.98687	333.66324	95.67799	5.31354	0.2007828	0.24554017	2.5257344	21	11 11.4	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376881 2001 WL_{46}	17.4	X	6.09199	294.23344	55.25234	14.76369	0.2622768	0.24609397	2.5219438	21	11 15.6	19.5
376882 2001 WO_{70}	17.1	X	34.08088	269.31629	59.74702	9.78937	0.0777498	0.24572785	2.5244482	21	11 5.6	20.1
376883 2001 XE_{1}	19.2	X	179.91940	273.09927	231.09976	20.94853	0.2108318	0.48530000	1.6037224	21	8 28.7	21.8
376884 2001 XS_{24}	15.9	X	349.87118	314.92303	79.26957	9.41937	0.2667443	0.24474863	2.5311771	21	12 17.6	17.8
376885 2001 XM_{39}	17.4	X	313.59359	30.82887	51.70028	12.10683	0.3285553	0.24528062	2.5275159	21	11 17.7	18.4
376886 2001 XR_{46}	15.8	X	270.00808	63.72542	68.88851	12.72923	0.2168607	0.24233287	2.5479711	21	11 14.9	18.7
376887 2001 XY_{47}	16.1	X	332.91061	30.27568	57.01017	12.23258	0.1623135	0.24691346	2.5163606	21	—	—
376888 2001 XP_{73}	15.8	X	93.10706	20.29874	75.32916	17.75947	0.2977314	0.16607294	3.2779586	21	4 26.9	20.8
376889 2001 XU_{91}	17.2	X	318.10793	327.28475	63.11115	13.11815	0.1876110	0.24224632	2.5485780	21	9 28.2	19.8
376890 2001 XA_{95}	17.3	X	307.08565	22.32263	64.08534	4.60444	0.2719908	0.24564566	2.5250113	21	11 12.5	18.7
376891 2001 XF_{104}	16.2	X	212.06637	265.30268	260.65137	10.06705	0.3702758	0.24016946	2.5632494	21	10 3.4	21.0
376892 2001 XG_{107}	16.6	X	275.50597	152.43298	279.15132	12.73703	0.1522161	0.23901483	2.5714978	21	8 31.9	20.2
376893 2001 XK_{116}	17.0	X	318.74762	350.55238	77.11826	9.54677	0.3051828	0.24341902	2.5403860	21	11 13.6	18.2
376894 2001 XX_{137}	16.4	X	12.95329	284.24880	88.74532	13.02686	0.0719897	0.24581444	2.5238553	21	12 3.1	19.4
376895 2001 XF_{142}	17.4	X	293.64077	224.53562	242.61832	2.38731	0.1662158	0.24602828	2.5223927	21	11 27.2	19.8
376896 2001 XN_{145}	16.3	X	208.34479	236.85892	260.16752	11.39287	0.0996387	0.23722581	2.5844101	21	9 12.5	20.5
376897 2001 XJ_{155}	17.3	X	280.75933	193.80826	254.87531	10.44399	0.1723146	0.24106680	2.5568845	21	10 2.1	20.6
376898 2001 XD_{208}	16.7	X	313.81408	286.25914	96.47753	16.26903	0.2503234	0.24034590	2.5619948	21	8 24.7	19.3
376899 2001 XB_{237}	17.2	X	321.37535	100.86089	324.18078	1.93327	0.2454340	0.24513949	2.5284858	21	11 18.0	18.9
376900 2001 XQ_{237}	17.5	X	334.77651	333.54774	59.35996	6.62576	0.1656907	0.24425689	2.5345732	21	11 2.2	19.6
376901 2001 XU_{248}	17.5	X	287.60914	189.26774	257.31375	4.05749	0.2288488	0.24037505	2.5617876	21	10 3.8	20.2
376902 2001 XZ_{259}	17.7	X	304.50125	103.86806	312.99543	4.70693	0.2429501	0.24216304	2.5491622	21	9 20.1	20.1
376903 2001 YB_{6}	15.8	X	222.97805	95.19137	71.29670	27.66977	0.2230043	0.23859070	2.5745443	21	11 7.8	20.1
376904 2001 YJ_{15}	16.8	X	311.21744	317.59205	91.34675	5.28948	0.1723266	0.24012867	2.5635396	21	10 7.9	19.3
376905 2001 YA_{16}	16.4	X	168.47973	121.57655	86.05656	14.33431	0.0973754	0.24094738	2.5577293	21	11 9.9	20.4
376906 2001 YE_{53}	16.0	X	239.14799	217.75604	278.47387	9.92860	0.0754415	0.24127492	2.5554139	21	10 24.1	19.6
376907 2001 YM_{85}	16.4	X	220.65369	174.05633	295.13464	14.71785	0.1217624	0.23277902	2.6172196	21	8 19.7	20.5
376908 2001 YK_{96}	16.3	X	237.87195	175.05517	318.00747	9.08477	0.1461276	0.23798866	2.5788844	21	10 7.3	20.1
376909 2001 YV_{96}	17.8	X	315.09223	287.08478	129.93414	5.44014	0.2879334	0.24355023	2.5394735	21	10 16.2	19.4
376910 2001 YU_{123}	17.0	X	323.39302	359.73984	54.40490	8.16816	0.2398678	0.24433966	2.5340008	21	11 7.1	18.6
376911 2001 YU_{131}	15.9	X	293.54578	149.80654	289.16695	12.56806	0.1434198	0.24274720	2.5450709	21	10 12.3	19.2
376912 2001 YX_{149}	16.6	X	343.53406	4.86483	30.94193	9.45976	0.1558583	0.24390456	2.5370134	21	11 20.8	19.2
376913 2002 AF_{31}	17.2	X	200.55782	237.04050	275.09448	3.28039	0.1745111	0.23499803	2.6007178	21	9 22.2	21.5
376914 2002 AO_{37}	17.4	X	268.83348	338.73336	113.37536	6.06143	0.1996099	0.24012922	2.5635357	21	9 22.4	20.7
376915 2002 AP_{40}	17.1	X	307.59543	141.91784	277.05393	6.80002	0.1906873	0.24081529	2.5586645	21	10 5.8	19.7
376916 2002 AV_{46}	16.9	X	191.09418	230.24723	287.33777	3.86948	0.1688098	0.23369481	2.6103776	21	9 20.2	21.2
376917 2002 AM_{49}	17.3	X	203.08085	239.31307	283.98849	3.53575	0.2275758	0.23535460	2.5980904	21	10 4.7	21.6
376918 2002 AM_{97}	16.3	X	308.02409	295.61674	105.36490	12.66556	0.1858872	0.23774523	2.5806445	21	9 20.8	19.1
376919 2002 AT_{103}	17.1	X	284.34363	42.45037	66.59065	3.35269	0.1778960	0.24176122	2.5519860	21	11 10.6	19.9
376920 2002 AR_{127}	17.1	X	207.32992	45.31306	126.70113	5.38636	0.1792528	0.23788825	2.5796100	21	10 27.3	21.1
376921 2002 AV_{172}	16.8	X	272.71610	337.64215	98.29670	5.98873	0.1796486	0.23606981	2.5928401	21	9 8.4	20.1
376922 2002 AR_{203}	17.3	X	282.94666	135.72093	303.54247	3.34420	0.1576729	0.23831866	2.5765032	21	9 27.5	20.3
376923 2002 BY_{27}	17.3	X	263.04533	14.54013	89.87545	8.12129	0.2919948	0.23810695	2.5780302	21	9 18.6	21.0
376924 2002 CM_{29}	17.4	X	304.44140	40.03821	37.87672	4.20330	0.2891562	0.24144160	2.5542377	21	10 18.4	19.3
376925 2002 CX_{32}	17.0	X	262.74667	70.93707	54.01819	5.13391	0.2538118	0.23959933	2.5673140	21	10 18.2	20.3
376926 2002 CH_{44}	18.5	X	357.37140	110.03724	326.62624	19.86549	0.0653529	0.39779395	1.8310376	21	—	—
376927 2002 CM_{67}	16.4	X	301.09823	281.84460	120.70274	10.20295	0.0502363	0.23504751	2.6003529	21	9 25.8	19.8
376928 2002 CG_{71}	17.3	X	296.44593	89.26997	334.49185	5.63432	0.3113071	0.23861880	2.5743422	21	9 2.9	20.1
376929 2002 CN_{86}	16.4	X	268.26496	83.41412	320.68424	13.15324	0.1004726	0.22917901	2.6445563	21	7 31.4	19.9
376930 2002 CG_{109}	16.8	X	202.41886	160.54125	333.13029	8.58192	0.1377508	0.22953282	2.6418380	21	9 3.8	20.7
376931 2002 CS_{118}	15.4	X	187.15382	102.35707	71.65484	28.03546	0.3472826	0.23036181	2.6354962	21	10 17.3	20.8
376932 2002 CD_{141}	17.1	X	266.34473	276.90501	193.65993	4.26876	0.2284389	0.23809877	2.5780893	21	10 6.1	20.2
376933 2002 CW_{153}	17.0	X	142.63736	3.10517	163.88970	5.71275	0.0781041	0.22376295	2.6870594	21	8 14.9	20.8
376934 2002 CM_{166}	16.9	X	221.11551	147.70477	8.11686	4.77158	0.2184493	0.23566668	2.5957962	21	10 13.7	20.8
376935 2002 CX_{171}	16.5	X	255.47079	108.77883	345.99991	11.71983	0.2147801	0.23444805	2.6047835	21	9 3.8	20.0
376936 2002 CO_{189}	17.3	X	251.77332	9.36975	107.61196	5.32375	0.1559701	0.23737325	2.5833398	21	10 9.4	20.8
376937 2002 CC_{194}	17.7	X	282.41445	305.04512	121.14682	3.49978	0.2370863	0.23563559	2.5960245	21	8 28.5	20.8
376938 2002 CS_{229}	16.8	X	94.89395	228.19556	336.28719	8.15586	0.1344167	0.22165792	2.7040448	21	8 16.8	20.6
376939 2002 CA_{253}	17.3	X	283.17831	231.41499	226.16352	3.10280	0.1928913	0.23948236	2.5681498	21	10 19.5	20.2
376940 2002 CT_{255}	16.3	X	240.48148	304.85005	151.85853	31.74890	0.2164901	0.23227349	2.6210157	21	8 19.5	20.4
376941 2002 CR_{265}	17.0	X	179.07704	202.00891	332.70358	5.91302	0.1763363	0.23396606	2.6083596	21	9 30.2	21.4
376942 2002 CF_{290}	16.6	X	353.44567	340.67415	76.71551	9.04509	0.2565521	0.24574943	2.5243004	21	—	—
376943 2002 CD_{314}	17.6	X	235.98221	103.24599	9.34200	6.11499	0.2793597	0.23517901	2.5993834	21	8 31.2	21.8
376944 2002 DP_{3}	16.5	X	279.79565	355.39011	67.51901	10.67807	0.4899214	0.23622773	2.5916845	21	7 14.4	20.7
376945 2002 DV_{14}	16.7	X	297.71722	276.03120	153.74301	11.78053	0.1696831	0.23743660	2.5828803	21	10 12.9	19.6
376946 2002 EC_{4}	17.2	X	246.45816	123.33883	346.22165	3.20212	0.0991781	0.23196056	2.6233724	21	9 27.1	20.7
376947 2002 ET_{33}	16.7	X	242.54833	69.32244	30.90209	4.65247	0.1697816	0.23135848	2.6279218	21	9 3.1	20.5
376948 2002 EZ_{48}	17.7	X	11.24058	163.05809	0.96414	5.61662	0.1328395	0.30801396	2.1714797	21	1 10.9	19.7
376949 2002 EG_{64}	17.8	X	304.53699	251.60751	341.11408	6.21444	0.1406180	0.30487549	2.1863568	21	1 10.8	20.7
376950 2002 ER_{97}	17.3	X	148.69784	53.12033	73.44805	2.89486	0.3895499	0.22262357	2.6962198	21	7 15.4	22.4
376951 2002 EG_{119}	17.2	X	264.54956	254.96650	217.95043	3.51534	0.2521278	0.23672240	2.5880727	21	10 2.1	20.7
376952 2002 EM_{162}	16.1	X	331.54166	85.00683	215.23437	10.52836	0.0718467	0.21245549	2.7815748	21	6 13.4	19.7
376953 2002 FE_{28}	16.8	X	272.08530	285.83389	180.97254	13.49375	0.1924111	0.23524730	2.5988803	21	10 16.5	19.9
376954 2002 FP_{30}	16.5	X	186.47459	351.47011	150.11466	17.92947	0.2634667	0.22656329	2.6648720	21	8 26.2	21.1
376955 2002 GR_{3}	16.6	X	273.18690	288.28572	204.50314	27.62483	0.4339222	0.23951829	2.5678930	21	10 11.9	20.1
376956 2002 GG_{4}	17.9	X	154.06605	35.30919	202.51685	17.34548	0.0809606	0.38591763	1.8684134	21	12 23.4	20.4
376957 2002 GN_{28}	17.6	X	309.52786	355.11634	11.96643	3.66353	0.1274301	0.22695087	2.6618372	21	8 6.2	20.6
376958 2002 GM_{40}	16.3	X	187.77173	148.57350	353.48979	13.68543	0.1456653	0.22594443	2.6697358	21	9 2.6	20.6
376959 2002 GJ_{69}	17.0	X	190.48686	126.60358	18.45643	5.18262	0.1604496	0.22602654	2.6690892	21	9 7.6	21.2
376960 2002 GQ_{84}	16.3	X	177.14489	108.77430	48.11985	13.59703	0.2277827	0.22555126	2.6728374	21	9 14.3	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
376961 2002 GB_{91}	16.7	X	146.43478	144.32556	46.89741	8.40724	0.1698939	0.22393956	2.6856464	21	9 26.6	21.1
376962 2002 GB_{132}	16.5	X	299.02642	326.98562	21.60098	7.14723	0.0204320	0.21695737	2.7429619	21	7 9.8	20.2
376963 2002 GC_{139}	16.8	X	146.95159	10.23676	164.75707	9.40693	0.1758748	0.22384700	2.6863867	21	9 3.4	21.0
376964 2002 HD	16.9	X	260.80447	83.76647	51.60902	28.42196	0.3899848	0.23705074	2.5856824	21	10 20.1	20.9
376965 2002 JY_{54}	17.4	X	171.82423	212.22125	57.24306	5.91367	0.2013111	0.28532911	2.2851006	21	—	—
376966 2002 JW_{57}	16.5	X	62.02514	155.51605	52.77691	9.90719	0.1536443	0.21219844	2.7838207	21	7 11.9	20.1
376967 2002 JV_{79}	16.6	X	70.19411	4.54187	218.24278	8.37157	0.1479687	0.21636481	2.7479678	21	8 7.3	20.4
376968 2002 JJ_{101}	17.2	X	121.70769	140.97359	156.37876	14.12558	0.3174647	0.27928728	2.3179387	21	—	—
376969 2002 JR_{102}	16.1	X	137.03725	134.71529	70.34626	14.97193	0.2091689	0.22244749	2.6976424	21	10 10.4	20.9
376970 2002 JR_{149}	16.8	X	71.23536	127.54564	95.12198	4.46468	0.0627479	0.21408754	2.7674203	21	7 30.2	20.4
376971 2002 KA_{1}	17.6	X	354.79265	330.58790	335.78593	5.34597	0.3106527	0.31477011	2.1402954	21	8 15.2	17.1
376972 2002 KO_{13}	15.9	X	278.74811	279.32654	45.68374	15.66197	0.2256813	0.20467069	2.8516679	21	4 16.6	20.2
376973 2002 LK_{34}	17.0	X	109.31720	29.88991	266.53836	10.61823	0.2699666	0.27779486	2.3262332	21	—	—
376974 2002 NF_{5}	17.7	X	198.02417	357.56334	276.26373	3.93577	0.1647913	0.28592133	2.2819442	21	—	—
376975 2002 NY_{5}	16.2	X	262.32622	161.77897	122.56208	14.52279	0.1364273	0.19192907	2.9765205	21	2 19.2	20.8
376976 2002 NQ_{68}	18.0	X	116.84824	145.89418	167.21891	2.34395	0.2148281	0.27791718	2.3255505	21	—	—
376977 2002 NJ_{69}	17.4	X	143.06735	353.66369	256.97941	5.84512	0.1574620	0.27543822	2.3394831	21	12 7.1	21.0
376978 2002 NV_{74}	17.7	X	155.60925	55.19693	262.95311	3.51671	0.1683250	0.28429925	2.2906157	21	—	—
376979 2002 OS_{2}	15.3	X	165.89800	187.80156	228.25949	9.47368	0.4302538	0.18611487	3.0381928	21	5 5.2	21.3
376980 2002 OO_{6}	17.5	X	106.37441	85.18711	240.20226	6.43529	0.2151922	0.27656235	2.3331393	21	—	—
376981 2002 OV_{26}	17.9	X	309.05680	264.63935	148.14146	22.98382	0.1252832	0.36845715	1.9269838	21	11 20.4	19.9
376982 2002 OZ_{26}	16.3	X	219.17656	27.75026	274.78713	8.65763	0.1085832	0.18652871	3.0336974	21	1 28.8	21.1
376983 2002 OD_{31}	16.6	X	198.31019	342.84567	12.07140	2.22915	0.1873693	0.18979477	2.9987935	21	3 13.7	21.7
376984 2002 OR_{31}	17.4	X	128.13695	211.73456	120.80085	8.15122	0.1420579	0.28160176	2.3052205	21	—	—
376985 2002 OE_{33}	16.8	X	198.07716	55.94471	292.38571	0.56254	0.2010496	0.18890419	3.0082112	21	3 5.5	22.0
376986 2002 PP_{2}	15.9	X	255.90200	42.43079	252.16389	11.40365	0.2076201	0.19068872	2.9894139	21	2 12.9	21.1
376987 2002 PX_{16}	17.8	X	117.45181	24.95411	276.54153	4.67747	0.1654018	0.27674992	2.3320850	21	—	—
376988 2002 PQ_{27}	18.2	X	97.97362	176.37960	152.17611	3.20282	0.2407222	0.27584727	2.3371698	21	—	—
376989 2002 PM_{33}	16.3	X	194.70568	12.92401	329.38092	10.70480	0.1832065	0.18592566	3.0402538	21	2 23.6	21.5
376990 2002 PN_{83}	16.5	X	59.52804	44.27758	328.74227	25.37028	0.1868430	0.27394211	2.3479933	21	—	—
376991 2002 PO_{118}	18.1	X	62.86982	139.52019	249.23496	3.83475	0.2274735	0.27583879	2.3372176	21	—	—
376992 2002 PW_{118}	16.1	X	156.51979	96.08055	302.14185	10.15152	0.2673378	0.18619496	3.0373216	21	3 28.9	21.5
376993 2002 PX_{129}	17.2	X	235.23194	352.61147	313.60930	1.46476	0.2780881	0.18872577	3.0101069	21	2 11.7	22.6
376994 2002 PF_{130}	17.7	X	133.50445	152.92086	133.22879	4.27862	0.2694211	0.27795685	2.3253293	21	—	—
376995 2002 PP_{138}	17.4	X	163.14270	73.40457	245.34328	8.56350	0.2777273	0.28423830	2.2909432	21	—	—
376996 2002 PC_{178}	16.2	X	213.59019	162.17712	187.85115	11.54611	0.1695616	0.19037323	2.9927157	21	3 19.7	21.1
376997 2002 PM_{178}	16.7	X	228.01508	254.22502	68.19437	3.55827	0.2366294	0.18969964	2.9997959	21	2 27.8	21.9
376998 2002 PZ_{182}	16.8	X	219.62945	31.32012	351.70006	1.31355	0.1192027	0.19511993	2.9439807	21	5 5.5	21.5
376999 2002 PJ_{198}	18.4	X	135.72827	222.56949	67.75608	3.13825	0.2259654	0.27806937	2.3247019	21	—	—
377000 2002 QY_{33}	16.8	X	164.28828	314.58934	56.35417	1.90167	0.2546080	0.18426908	3.0584478	21	3 8.9	22.0
377001 2002 QU_{54}	17.8	X	97.74762	220.23509	126.25126	3.43114	0.2521150	0.27659722	2.3329432	21	—	—
377002 2002 QB_{64}	16.5	X	195.35636	178.74883	145.46492	5.74133	0.1979145	0.18410454	3.0602698	21	2 4.4	21.8
377003 2002 QZ_{82}	16.4	X	255.52054	335.53003	299.56044	7.40394	0.0782280	0.18689436	3.0297393	21	2 4.4	21.0
377004 2002 QT_{83}	16.8	X	250.13095	115.21975	180.01463	5.13399	0.1712028	0.18921536	3.0049122	21	2 15.1	21.6
377005 2002 QO_{87}	18.1	X	48.77711	61.86576	0.29481	1.24453	0.1664292	0.27840239	2.3228477	21	—	—
377006 2002 QY_{99}	18.2	X	80.17725	285.95423	71.46423	2.40915	0.1924426	0.27517043	2.3410007	21	—	—
377007 2002 QL_{100}	17.0	X	140.90384	207.06497	87.40403	7.42238	0.1303803	0.27813893	2.3243143	21	—	—
377008 2002 QQ_{113}	17.4	X	250.30350	325.80873	248.98953	7.62683	0.0897523	0.28148989	2.3058312	21	—	—
377009 2002 QC_{119}	16.8	X	213.98946	353.05763	344.95520	4.92407	0.1617534	0.18946630	3.0022584	21	3 6.8	21.8
377010 2002 QE_{125}	16.2	X	179.83564	38.98905	338.14151	14.27942	0.1012421	0.18710141	3.0275037	21	3 17.9	20.9
377011 2002 QZ_{129}	17.9	X	140.75430	115.29184	227.90228	1.51993	0.1267167	0.28296212	2.2978262	21	—	—
377012 2002 QJ_{130}	17.0	X	304.10090	78.57153	101.29837	6.98823	0.1109563	0.28473572	2.2882743	21	—	—
377013 2002 RE_{11}	15.7	X	196.46096	343.05072	341.33437	17.40839	0.1938179	0.18392007	3.0623157	21	2 9.5	20.9
377014 2002 RO_{12}	17.7	X	59.68957	56.28896	347.64799	3.93795	0.2355712	0.27493413	2.3423419	21	—	—
377015 2002 RP_{27}	16.5	X	176.08745	111.16290	245.80387	1.41629	0.2002386	0.18296397	3.0729748	21	2 26.2	21.6
377016 2002 RS_{33}	16.3	X	164.07001	148.06007	255.32791	2.85123	0.2836137	0.18650630	3.0339404	21	4 14.2	21.8
377017 2002 RY_{74}	17.6	X	83.23374	355.05575	337.98216	4.48398	0.2309496	0.27291156	2.3539005	21	—	—
377018 2002 RK_{80}	17.4	X	83.49559	16.46451	352.54064	6.27146	0.1887368	0.27565905	2.3382335	21	—	—
377019 2002 RY_{91}	15.4	X	168.72739	332.02238	1.79667	17.27791	0.2452865	0.17858376	3.1230199	21	2 3.9	21.0
377020 2002 RT_{98}	16.2	X	174.35808	84.30346	300.38681	8.62828	0.2419480	0.18651816	3.0338118	21	3 26.2	21.7
377021 2002 RW_{98}	16.5	X	104.92313	358.48827	5.43182	11.06804	0.3887907	0.22474399	2.6792341	21	1 19.3	20.3
377022 2002 RQ_{131}	16.3	X	242.96434	47.69033	232.12517	11.54021	0.2963188	0.18590434	3.0404861	21	1 15.7	22.0
377023 2002 RZ_{132}	17.5	X	114.04296	250.33344	81.22423	3.34125	0.2309827	0.27720915	2.3295087	21	—	—
377024 2002 RA_{140}	17.1	X	69.50424	292.94462	73.83785	10.53845	0.2388324	0.27315157	2.3525214	21	—	—
377025 2002 RT_{204}	16.1	X	230.23130	129.64231	167.25545	10.13910	0.1049911	0.18438839	3.0571284	21	2 2.7	21.0
377026 2002 RU_{204}	17.9	X	72.17950	202.69965	174.69987	2.76703	0.1745816	0.27406983	2.3472637	21	—	—
377027 2002 RA_{238}	16.1	X	328.48736	259.08890	359.14065	8.48970	0.0468750	0.19275716	2.9679895	21	4 15.3	20.2
377028 2002 RZ_{238}	17.6	X	58.84358	88.95241	308.77247	2.51296	0.2262129	0.27547455	2.3392774	21	—	—
377029 2002 RT_{240}	15.6	X	125.70345	114.95629	321.16340	8.78601	0.1133919	0.18736560	3.0246571	21	4 2.5	20.2
377030 2002 RQ_{243}	15.8	X	184.33100	129.43021	256.13521	8.47182	0.1942428	0.18945590	3.0023682	21	4 3.5	21.0
377031 2002 RK_{270}	16.9	X	220.44424	197.91764	170.31899	4.59149	0.0988967	0.19315103	2.9639533	21	4 20.9	21.4
377032 2002 RA_{278}	16.2	X	136.30249	149.08516	292.77799	9.30799	0.0435429	0.19048250	2.9915711	21	4 12.8	20.7
377033 2002 RG_{279}	16.0	X	207.19732	62.15623	269.50090	8.87631	0.1126507	0.18374358	3.0642764	21	2 18.8	21.0
377034 2002 SR_{13}	15.3	X	61.36193	167.67036	252.62275	17.14095	0.1304369	0.17329591	3.1862304	21	—	—
377035 2002 SM_{15}	15.7	X	188.69563	29.36197	319.30609	14.23675	0.3081771	0.18383702	3.0632380	21	2 26.4	21.3
377036 2002 SA_{35}	17.2	X	293.34181	57.41921	10.61771	24.13090	0.1393184	0.36533511	1.9379464	21	10 20.4	18.6
377037 2002 SW_{43}	17.9	X	51.01090	0.05001	8.51998	2.67774	0.2009074	0.27058657	2.3673650	21	—	—
377038 2002 SH_{56}	16.2	X	201.79883	53.87274	312.18154	3.21474	0.1900774	0.18831896	3.0144402	21	3 27.8	21.2
377039 2002 SW_{66}	17.7	X	251.19304	165.15706	271.13100	17.11402	0.0903985	0.36159685	1.9512801	21	8 20.3	20.2
377040 2002 SG_{73}	15.9	X	208.22910	336.06979	8.57020	10.80735	0.1010258	0.18777348	3.0202754	21	3 12.6	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
377041 2002 TU_1	17.3	X	13.35080	341.74094	8.00323	1.05054	0.2307464	0.26216683	2.4177843	21	11 27.9	19.7
377042 2002 TR_{14}	18.0	X	96.99601	282.35754	69.77358	2.17057	0.2138590	0.27510407	2.3413771	21	—	—
377043 2002 TD_{33}	17.7	X	77.41716	319.85902	18.40286	2.82448	0.1860941	0.27121511	2.3637060	21	—	—
377044 2002 TH_{44}	17.8	X	119.50872	283.46025	57.00696	2.99475	0.2168926	0.27818786	2.3240418	21	—	—
377045 2002 TA_{47}	17.8	X	5.50496	116.50790	203.85882	22.49701	0.1179032	0.36057317	1.9549716	21	9 26.1	19.3
377046 2002 TU_{49}	15.8	X	99.91542	16.00922	42.56618	16.41675	0.2618120	0.17476437	3.1683570	21	3 16.7	20.6
377047 2002 TF_{97}	16.0	X	245.59133	278.88801	9.19680	10.82423	0.0691368	0.18285124	3.0742376	21	2 15.5	20.7
377048 2002 TG_{119}	16.0	X	201.21053	112.60030	241.42811	8.42515	0.2342166	0.18548538	3.0450629	21	3 11.4	21.5
377049 2002 TQ_{121}	15.8	X	165.61551	64.69421	340.16613	8.30998	0.0903322	0.18457225	3.0550978	21	4 6.2	20.5
377050 2002 TR_{121}	16.2	X	202.15242	78.83304	248.15217	8.02298	0.2680845	0.18199351	3.0838893	21	2 10.5	21.9
377051 2002 TY_{124}	15.8	X	141.18267	43.92323	317.28547	10.20559	0.1504385	0.17780933	3.1320812	21	1 29.7	20.5
377052 2002 TB_{142}	16.5	X	102.28875	312.23143	94.04560	11.38187	0.3775682	0.22688768	2.6623314	21	3 9.9	20.5
377053 2002 TX_{167}	15.2	X	188.63914	110.52443	239.57314	15.55516	0.1772486	0.18368742	3.0649009	21	2 21.8	20.6
377054 2002 TT_{190}	16.0	X	156.97211	86.98535	314.63124	14.76588	0.3142343	0.18232388	3.0801628	21	4 2.4	21.8
377055 2002 TK_{256}	15.9	X	146.60955	6.25014	27.27714	15.25493	0.1929857	0.18037045	3.1023619	21	3 21.2	21.0
377056 2002 TH_{262}	15.9	X	178.62863	11.55016	18.76278	9.92173	0.1199971	0.18503608	3.0499901	21	4 6.1	20.5
377057 2002 TG_{265}	15.5	X	216.81478	302.08655	20.89803	18.12241	0.1390254	0.18186325	3.0853617	21	3 1.3	20.7
377058 2002 TR_{276}	17.9	X	42.95130	10.78717	2.57255	2.87357	0.2498034	0.26841764	2.3801008	21	—	—
377059 2002 TX_{283}	15.6	X	106.44035	159.14409	227.57390	14.10969	0.2553128	0.17381021	3.1799420	21	1 31.2	20.5
377060 2002 TT_{298}	16.4	X	175.99467	154.00217	230.04169	9.00899	0.2445674	0.18350264	3.0669580	21	3 28.8	21.8
377061 2002 TC_{299}	17.5	X	326.96327	99.19385	267.54370	17.66521	0.1006441	0.36176489	1.9506758	21	9 11.7	19.6
377062 2002 TY_{302}	17.9	X	60.76519	146.30423	204.72157	3.68644	0.2065060	0.26933954	2.3746666	21	—	—
377063 2002 TZ_{305}	17.6	X	31.82174	332.32587	101.75838	4.11722	0.2308730	0.27295530	2.3536490	21	—	—
377064 2002 TC_{317}	16.2	X	181.07199	76.53089	297.21551	9.54462	0.1153659	0.18753417	3.0228443	21	3 14.4	21.2
377065 2002 TT_{324}	17.9	X	263.07668	172.64383	14.43422	5.18830	0.0738299	0.27527049	2.3404333	21	—	—
377066 2002 TL_{329}	16.0	X	252.29982	226.91846	12.52056	28.04364	0.2139543	0.17853372	3.1236033	21	—	—
377067 2002 TT_{333}	16.5	X	345.61827	139.61739	47.51510	6.12047	0.0714588	0.18114920	3.0934642	21	2 12.2	20.6
377068 2002 TE_{346}	15.8	X	199.26158	282.64774	70.04891	10.39371	0.0537340	0.18314226	3.0709801	21	3 17.3	20.5
377069 2002 TU_{346}	16.2	X	36.95405	281.38076	182.85643	20.16143	0.1385269	0.17260307	3.1947512	21	1 11.8	20.4
377070 2002 TV_{370}	16.1	X	52.97891	3.24995	118.32931	11.27491	0.1839150	0.17513561	3.1638781	21	3 12.3	19.9
377071 2002 TQ_{373}	16.2	X	105.83665	149.89770	217.23203	9.82663	0.0811001	0.17232326	3.1982085	21	—	—
377072 2002 TA_{382}	15.5	X	20.33609	338.13216	235.17240	13.90514	0.0874555	0.19155358	2.9804090	21	5 3.2	19.2
377073 2002 TE_{385}	17.7	X	102.48551	289.60232	60.47113	5.97039	0.1114740	0.27469040	2.3437272	21	—	—
377074 2002 UZ_6	17.3	X	13.99230	325.66186	86.34325	8.85336	0.1914001	0.26772131	2.3842260	21	—	—
377075 2002 UD_{14}	15.6	X	113.48861	359.89847	69.79293	19.34963	0.2053544	0.17775136	3.1327622	21	4 7.9	20.7
377076 2002 UB_{44}	16.0	X	188.27520	92.99851	219.62214	15.01438	0.2447418	0.17640567	3.1486739	21	1 15.9	21.8
377077 2002 UK_{44}	16.4	X	302.82142	58.74669	190.28869	5.19337	0.0822862	0.18043299	3.1016450	21	2 27.1	20.7
377078 2002 UD_{58}	15.9	X	164.41850	281.18029	85.43553	10.63384	0.0909120	0.17967062	3.1104126	21	2 26.2	20.8
377079 2002 UE_{72}	16.2	X	109.62953	71.98090	15.35727	9.85808	0.2168568	0.17891402	3.1191754	21	4 15.2	21.0
377080 2002 UG_{75}	15.7	X	81.09820	27.91233	40.23258	27.67933	0.0672855	0.17421601	3.1750021	21	2 9.6	20.6
377081 2002 VA_1	16.5	X	143.28172	104.84044	260.19066	9.73292	0.2139800	0.17768669	3.1335222	21	2 6.9	21.6
377082 2002 VP_5	16.6	X	180.14802	198.72053	175.11954	1.80311	0.1567598	0.18199473	3.0838755	21	3 20.3	21.5
377083 2002 VR_{15}	17.1	X	30.47235	60.90777	39.34776	2.61616	0.1710840	0.27524070	2.3406022	21	—	—
377084 2002 VX_{64}	16.8	X	64.33890	347.18182	19.52868	9.20740	0.1979748	0.26966859	2.3727345	21	—	—
377085 2002 VK_{76}	15.6	X	141.63529	322.43870	60.25857	15.92634	0.2120079	0.17731405	3.1379110	21	3 9.5	20.9
377086 2002 VJ_{100}	15.3	X	132.48322	354.80161	56.39537	28.33035	0.0995084	0.17789453	3.1310812	21	3 31.5	20.5
377087 2002 VB_{109}	15.8	X	279.23792	272.59576	256.38824	19.29289	0.2759457	0.26291660	2.4131855	21	—	—
377088 2002 VP_{142}	17.1	X	300.38008	28.72793	104.19033	3.62561	0.1327267	0.26586578	2.3953065	21	—	—
377089 2002 VY_{142}	18.1	X	42.44945	204.48354	155.68133	1.73060	0.1998872	0.26574000	2.3960622	21	—	—
377090 2002 VF_{144}	17.4	X	304.24037	16.44019	74.46516	2.60003	0.1493687	0.26083831	2.4259870	21	11 29.9	19.6
377091 2002 VW_{144}	15.7	X	28.50370	276.95598	220.59556	17.57760	0.1901242	0.17258128	3.1950201	21	2 5.4	19.6
377092 2002 VX_{145}	15.9	X	197.04248	311.19282	60.78016	14.43812	0.0417368	0.18277397	3.0751041	21	4 8.2	20.6
377093 2002 VX_{146}	16.6	X	158.09008	170.82968	235.99185	3.51841	0.2491813	0.18223427	3.0811725	21	4 12.7	21.9
377094 2002 WD_1	13.1	X	270.76481	299.81957	61.59093	28.90773	0.1044325	0.08581404	5.0905395	21	6 5.8	20.0
377095 2002 WD_2	15.6	X	133.73245	334.94177	67.80159	18.39710	0.1821320	0.17712594	3.1401322	21	3 24.7	20.8
377096 2002 WM_2	15.7	X	157.20749	335.07258	61.72389	17.37983	0.1242771	0.17946938	3.1127373	21	4 2.6	20.8
377097 2002 WQ_4	19.5	X	249.00261	244.60114	266.92708	3.93668	0.5564573	0.35973450	1.9580089	21	10 5.7	22.3
377098 2002 WD_7	17.1	X	18.50879	339.16732	65.77486	13.50342	0.1505653	0.26565453	2.3965761	21	—	—
377099 2002 WN_7	16.0	X	170.55462	102.64163	263.36595	2.49957	0.2764074	0.18007442	3.1057610	21	3 7.1	21.4
377100 2002 WR_{15}	15.7	X	152.34714	320.39823	84.51591	13.22385	0.2983457	0.18051826	3.1006682	21	4 15.8	21.3
377101 2002 WP_{19}	15.7	X	148.29350	349.86965	65.11068	10.43750	0.0782455	0.18003141	3.1062556	21	4 7.3	20.4
377102 2002 WT_{21}	17.9	X	10.65554	304.96154	101.05701	3.39360	0.1937491	0.26481209	2.4016562	21	—	—
377103 2002 WX_{24}	16.7	X	191.74559	350.19528	343.02522	0.70313	0.1948304	0.17736274	3.1373366	21	2 12.8	22.0
377104 2002 WK_{25}	17.8	X	288.72027	63.17809	65.49730	2.26024	0.1526541	0.26217628	2.4177262	21	12 25.7	19.9
377105 2002 WQ_{25}	16.0	X	132.57715	354.15882	78.23443	11.51527	0.1046199	0.18006489	3.1058705	21	4 14.7	20.8
377106 2002 WJ_{26}	15.9	X	106.57267	14.00723	71.31018	17.36826	0.1096081	0.17758252	3.1347475	21	4 5.9	20.7
377107 2002 WK_{28}	16.2	X	135.37077	309.75611	108.58179	4.80735	0.2074496	0.17889802	3.1193614	21	4 7.8	21.2
377108 2002 WL_{28}	16.0	X	64.75702	45.61217	64.56227	27.29505	0.1627927	0.17420207	3.1751715	21	3 28.4	20.6
377109 2002 WS_{29}	15.5	X	166.18011	293.23616	60.96964	11.57846	0.1055682	0.17697432	3.1419255	21	2 15.3	20.5
377110 2002 WA_{30}	13.5	X	311.80907	47.95415	248.63750	13.56934	0.0607190	0.08360471	5.1798305	21	5 19.6	20.2
377111 2002 XS_2	16.1	X	91.52510	346.08261	104.71414	6.47525	0.2152411	0.17445440	3.1721090	21	4 3.5	20.6
377112 2002 XE_{20}	15.5	X	165.86788	99.06898	259.45638	15.41369	0.2535582	0.17812032	3.1284345	21	2 16.8	21.1
377113 2002 XK_{23}	15.8	X	158.31523	122.12858	263.60971	14.26603	0.2831304	0.18004429	3.1061074	21	3 15.5	21.5
377114 2002 XL_{29}	15.9	X	301.16198	87.18735	82.79583	22.40552	0.3161362	0.26537669	2.3982486	21	—	—
377115 2002 XS_{30}	17.0	X	33.97806	115.53105	302.57222	10.29278	0.2647857	0.26894944	2.3769623	21	—	—
377116 2002 XF_{48}	15.2	X	170.27985	304.28771	77.72474	27.87604	0.1954824	0.17893595	3.1189205	21	4 8.3	20.9
377117 2002 XA_{78}	17.0	X	258.55020	133.28012	265.78416	19.12281	0.0897084	0.35276483	1.9837146	21	7 9.5	19.2
377118 2002 XQ_{117}	16.1	X	121.47507	201.26718	220.53790	10.85415	0.0825159	0.17726758	3.1384593	21	3 9.1	20.8
377119 2002 YO_{24}	15.7	X	150.85517	181.71605	275.57364	17.58467	0.3148349	0.18173861	3.0867722	21	6 9.7	21.3
377120 2003 AA_{11}	15.3	X	79.33276	228.13236	251.05548	21.63096	0.2443800	0.17384163	3.1795587	21	4 20.7	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
377121 2003 AB_{24}	16.0	X	99.23567	10.36855	91.24329	6.45847	0.2718638	0.17494354	3.1661934	21	5 2.0	20.8
377122 2003 AW_{80}	15.7	X	135.71773	68.56570	76.94115	26.01570	0.3966509	0.17939137	3.1136396	21	8 1.4	21.8
377123 2003 BP_{10}	17.0	X	318.56787	159.94978	333.24254	11.79983	0.2473231	0.26157999	2.4213991	21	—	—
377124 2003 BS_{34}	15.7	X	107.08219	339.83651	111.55768	8.46814	0.1900437	0.17307889	3.1888933	21	4 19.6	20.5
377125 2003 BF_{55}	16.7	X	235.72143	66.61770	124.50368	11.33498	0.1962986	0.25537762	2.4604478	21	12 19.9	20.1
377126 2003 BU_{66}	17.2	X	32.20827	167.52062	283.84613	3.02971	0.1950945	0.26724685	2.3870471	21	—	—
377127 2003 EV_{52}	17.3	X	133.66978	241.63296	5.13525	29.18556	0.3645623	0.24121840	2.5558131	21	11 10.7	22.7
377128 2003 FV_{93}	16.0	X	29.46955	214.52881	58.41753	14.52996	0.2311932	0.22731581	2.6589874	21	9 9.6	19.1
377129 2003 GW_{31}	16.1	X	111.01023	217.21164	23.29723	28.45234	0.1059980	0.23858431	2.5745903	21	10 17.3	19.8
377130 2003 GX_{34}	15.9	X	18.42734	185.42687	99.72149	11.82875	0.2653483	0.22573871	2.6713576	21	9 6.5	18.5
377131 2003 GW_{56}	16.4	X	45.49452	161.81703	118.31864	6.47573	0.1531049	0.23231020	2.6207395	21	9 28.0	19.6
377132 2003 HZ_{12}	16.5	X	15.77014	65.71503	193.74438	12.65472	0.2296575	0.22306142	2.6926903	21	7 6.3	19.1
377133 2003 HE_{55}	17.4	X	172.15631	356.95652	206.97951	4.65007	0.1657604	0.24223510	2.5486567	21	11 2.3	21.3
377134 2003 JJ_{16}	16.9	X	219.46058	66.63060	240.46530	22.55829	0.3241229	0.31104474	2.1573510	21	1 14.2	21.3
377135 2003 KR_{3}	16.5	X	141.99414	179.61504	46.96211	19.53006	0.1988193	0.23763686	2.5814290	21	11 4.0	20.7
377136 2003 KR_{15}	16.0	X	345.36023	195.61347	215.16758	9.35283	0.1759851	0.24576553	2.5241902	21	12 20.4	18.6
377137 2003 MO_{5}	15.5	X	294.08876	41.54255	278.80297	12.42118	0.2025988	0.21124019	2.7922332	21	4 22.3	19.7
377138 2003 NU_{2}	16.0	X	317.46678	35.11424	270.73707	6.95791	0.2035269	0.21384584	2.7695052	21	5 8.9	19.3
377139 2003 NF_{8}	15.7	X	297.66707	204.51120	106.98836	10.07179	0.1555923	0.21013923	2.8019774	21	5 1.6	19.6
377140 2003 OC_{16}	15.8	X	265.28649	123.72381	259.50764	6.61446	0.2355873	0.21124777	2.7921664	21	6 9.5	20.0
377141 2003 OY_{19}	18.4	X	199.88070	172.86061	127.28303	3.19713	0.1968446	0.30460829	2.1876352	21	—	—
377142 2003 QJ_{10}	16.6	X	150.20685	65.93061	279.70336	24.31396	0.2411422	0.29875039	2.2161393	21	1 7.3	19.5
377143 2003 QU_{20}	18.0	X	3.38381	321.05388	17.72393	2.90511	0.2398660	0.27602768	2.3361513	21	10 27.2	19.6
377144 Okietex	16.0	X	312.94081	204.26682	119.52577	7.78177	0.2255493	0.21270788	2.7793740	21	5 26.6	19.3
377145 2003 QM_{99}	17.2	X	12.39405	258.66532	155.36709	20.78129	0.3214056	0.28254662	2.3000784	21	—	—
377146 2003 RM_{8}	17.9	X	192.36060	323.66983	4.08384	5.33979	0.1877749	0.30375971	2.1917076	21	1 22.7	21.3
377147 2003 RW_{18}	16.0	X	236.67915	92.47286	313.20185	3.98879	0.1205290	0.20890223	2.8130276	21	6 20.7	20.2
377148 2003 SK_{19}	17.5	X	208.74174	338.06183	346.79734	7.08131	0.1310484	0.30588755	2.1815316	21	1 31.9	20.6
377149 2003 SV_{47}	16.2	X	267.75809	123.16080	269.28262	6.10891	0.3115123	0.21135372	2.7912332	21	6 14.9	20.7
377150 2003 SH_{51}	17.8	X	130.78585	266.46479	123.43188	5.35860	0.0971821	0.30056158	2.2072274	21	1 22.9	20.3
377151 2003 SO_{68}	18.4	X	116.20066	91.55289	278.90992	2.76717	0.1618889	0.29672601	2.2262075	21	—	—
377152 2003 SY_{71}	18.0	X	205.67195	75.87503	237.84689	3.02716	0.1992694	0.30413325	2.1899126	21	1 15.4	21.5
377153 2003 SR_{137}	16.1	X	209.62150	28.84984	15.35606	9.01372	0.1034397	0.20173019	2.8793124	21	5 20.2	20.6
377154 2003 SF_{155}	17.9	X	110.84745	93.52985	294.34041	2.35153	0.1595786	0.29619173	2.2288838	21	1 1.4	20.0
377155 2003 SV_{181}	18.5	X	26.24511	28.23297	347.82736	19.62991	0.0505349	0.39366278	1.8438255	21	—	—
377156 2003 SB_{198}	16.7	X	222.73601	316.73267	73.45470	3.28035	0.1937644	0.20352903	2.8623219	21	5 13.7	21.5
377157 2003 SH_{318}	16.8	X	69.32099	295.77247	297.22186	2.90135	0.0432569	0.21374647	2.7703635	21	8 6.4	20.4
377158 2003 SO_{318}	17.9	X	141.41236	158.03579	241.73822	6.40813	0.1280212	0.30391632	2.1909546	21	2 20.4	20.8
377159 2003 SE_{326}	17.1	X	178.20341	70.15022	353.61661	1.57232	0.0551278	0.20287265	2.8684925	21	5 12.9	21.3
377160 2003 SF_{327}	16.9	X	227.55810	5.62620	16.44070	1.91065	0.0832701	0.20414569	2.8565548	21	5 14.3	21.2
377161 2003 SG_{328}	16.7	X	228.96450	119.64603	291.69813	4.26260	0.0455078	0.21004847	2.8027844	21	6 26.7	20.5
377162 2003 SK_{331}	15.9	X	262.72902	271.18166	53.52630	17.88953	0.1572290	0.20049223	2.8911526	21	4 11.2	20.5
377163 2003 SA_{335}	17.2	X	242.65922	311.15642	50.02989	2.79293	0.1172155	0.20339995	2.8635328	21	5 2.2	21.5
377164 2003 SG_{335}	16.9	X	228.44472	288.00790	50.37216	8.12650	0.1586685	0.19790989	2.9162475	21	3 22.7	21.7
377165 2003 SK_{339}	16.6	X	279.71945	275.25647	61.05054	8.66271	0.0443257	0.20395599	2.8583259	21	5 23.4	20.5
377166 2003 SN_{349}	18.1	X	38.66538	116.58315	24.72386	2.98359	0.0752159	0.30367897	2.1920960	21	2 2.0	20.1
377167 2003 SS_{371}	17.1	X	233.79989	47.27283	313.85185	1.14899	0.0795888	0.20288920	2.8683365	21	4 25.0	21.5
377168 2003 TA_{8}	17.3	X	124.35088	105.72847	296.56806	6.11661	0.0958873	0.29970612	2.2114255	21	1 30.4	19.7
377169 2003 TB_{8}	16.0	X	260.36659	74.31703	259.51475	9.39309	0.1204618	0.20109190	2.8854020	21	4 13.4	20.5
377170 2003 TO_{37}	16.4	X	252.04099	119.57775	239.68713	9.84152	0.0825119	0.20337956	2.8637242	21	5 13.3	20.6
377171 2003 TG_{40}	16.6	X	134.69406	173.59307	328.00789	5.44784	0.0272566	0.20611548	2.8383262	21	6 29.6	20.6
377172 2003 US_{5}	17.6	X	38.80702	68.91872	328.64979	5.02307	0.2807277	0.28437632	2.2902018	21	—	—
377173 2003 UE_{7}	17.6	X	203.61498	250.26494	89.98197	7.48058	0.3230273	0.30696000	2.1764475	21	2 21.9	21.6
377174 2003 UR_{38}	16.3	X	282.47206	267.41822	62.73157	11.53050	0.1411987	0.20431966	2.8549331	21	5 6.5	20.3
377175 2003 UA_{72}	17.7	X	166.50407	283.88564	70.95399	7.01972	0.2087146	0.30111308	2.2045315	21	2 4.4	21.0
377176 2003 UN_{100}	15.7	X	188.41121	271.56632	92.98978	11.14231	0.1549319	0.19179953	2.9778605	21	3 21.1	20.7
377177 2003 UJ_{112}	17.6	X	123.43733	320.66954	74.54874	5.51063	0.1452985	0.29799269	2.2198943	21	1 29.9	20.1
377178 2003 UW_{114}	17.0	X	167.72470	198.19213	218.89825	5.24549	0.0845477	0.19561059	2.9390556	21	4 24.9	21.5
377179 2003 US_{135}	16.1	X	171.25781	7.84703	19.07270	17.30724	0.1638960	0.19221894	2.9735273	21	3 29.6	20.9
377180 2003 UE_{151}	18.0	X	125.90945	255.13035	117.62784	0.78187	0.2127244	0.29651825	2.2272472	21	1 11.8	20.4
377181 2003 UY_{229}	17.9	X	127.88632	37.95638	317.86652	2.12090	0.1949598	0.29417929	2.2390372	21	—	—
377182 2003 UZ_{233}	17.8	X	70.58967	187.77945	202.33282	5.75382	0.1069344	0.28940151	2.2636130	21	—	—
377183 2003 UH_{234}	17.6	X	145.50954	109.63839	244.60752	4.74276	0.2290035	0.29573938	2.2311560	21	1 12.9	20.6
377184 2003 UE_{239}	17.6	X	7.43270	150.29293	16.79540	4.83863	0.1463205	0.29896896	2.2150591	21	1 9.1	19.6
377185 2003 UX_{239}	16.2	X	231.35143	350.14359	29.80423	18.38660	0.1449591	0.20291029	2.8681377	21	5 8.1	20.8
377186 2003 UG_{248}	17.4	X	176.81034	111.65419	229.37354	5.74944	0.1341483	0.30069872	2.2065562	21	1 17.4	20.4
377187 2003 UV_{255}	17.2	X	218.66642	339.78106	52.40465	2.89353	0.0949068	0.20085257	2.8876937	21	5 17.2	21.4
377188 2003 UB_{338}	16.9	X	125.32471	125.18114	16.05285	6.30558	0.0107429	0.20637818	2.8359171	21	6 13.9	20.9
377189 2003 UZ_{343}	16.8	X	255.56298	132.60579	185.48212	12.13466	0.1156136	0.19903887	2.9052095	21	3 23.7	21.2
377190 2003 UR_{346}	17.0	X	179.74898	227.41671	187.75514	5.43451	0.0423302	0.20138807	2.8825724	21	5 5.1	21.2
377191 2003 UU_{350}	17.4	X	216.02399	347.90739	50.62587	6.91017	0.1568121	0.20309045	2.8664412	21	5 18.9	21.9
377192 2003 VV_{10}	17.2	X	79.16640	12.38885	71.36473	6.90364	0.0043936	0.29646539	2.2275120	21	1 12.5	19.8
377193 2003 WR_{9}	16.0	X	67.00032	186.16921	293.65939	9.47047	0.0858371	0.18687272	3.0299731	21	3 9.2	20.1
377194 2003 WP_{12}	18.4	X	58.67210	273.28176	51.14464	22.43336	0.1325840	0.38863492	1.8596941	21	—	—
377195 2003 WX_{31}	16.0	X	77.46887	163.42578	245.05722	8.32459	0.0934466	0.18060134	3.0997171	21	—	—
377196 2003 WS_{36}	17.4	X	142.09957	74.48117	276.88690	7.03616	0.1907792	0.29495693	2.2351001	21	—	—
377197 2003 WZ_{39}	17.9	X	140.49176	45.19643	311.80226	3.03708	0.1701205	0.29519546	2.2338959	21	1 3.6	20.6
377198 2003 WG_{56}	15.3	X	227.04602	95.94704	253.99517	15.93469	0.1624491	0.19461441	2.9490766	21	3 25.3	20.5
377199 2003 WU_{62}	16.5	X	155.06350	106.39074	358.88907	8.72846	0.2297766	0.19784872	2.9168486	21	6 17.9	21.6
377200 2003 WT_{72}	16.1	X	81.83433	212.63808	264.47531	7.38658	0.2191195	0.18593533	3.0401484	21	4 17.3	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
377201 2003 WM_{78}	17.5	X	45.43267	56.36288	30.72186	8.11765	0.1568329	0.29043740	2.2582275	21	—	—
377202 2003 WH_{85}	16.8	X	263.71782	98.76708	233.42348	3.65871	0.1084171	0.19908267	2.9047834	21	4 19.3	21.0
377203 2003 WT_{117}	17.8	X	94.11661	355.22880	39.71300	4.40470	0.1844846	0.29094248	2.2556132	21	—	—
377204 2003 WM_{141}	16.3	X	37.64832	75.14446	79.05910	21.88038	0.3755250	0.29155419	2.2524571	21	3 20.7	17.6
377205 2003 WZ_{144}	17.9	X	57.63358	206.61000	188.87451	0.79461	0.2210928	0.28634840	2.2796747	21	—	—
377206 2003 WY_{145}	15.8	X	174.25424	149.00591	240.16559	12.51865	0.0966150	0.19121692	2.9839062	21	3 25.3	20.7
377207 2003 WH_{162}	17.6	X	117.43893	225.80584	165.47854	5.66919	0.2187816	0.29429176	2.2384668	21	1 26.1	20.0
377208 2003 WC_{175}	16.6	X	179.64237	338.96345	9.89453	2.61696	0.2379966	0.18835856	3.0140178	21	2 21.9	21.8
377209 2003 WY_{193}	17.7	X	11.72616	229.77673	253.34261	4.97120	0.0837316	0.28962406	2.2624533	21	—	—
377210 2003 XJ_{10}	15.5	X	210.34442	114.44764	290.45259	32.38751	0.2579525	0.20212177	2.8755923	21	5 16.4	21.1
377211 2003 XP_{11}	17.7	X	331.23189	344.46867	107.75230	25.82173	0.0976339	0.38990983	1.8556380	21	—	—
377212 2003 XK_{15}	17.6	X	352.03896	86.40924	314.40230	19.07369	0.1017036	0.38463883	1.8725523	21	—	—
377213 2003 XU_{25}	17.5	X	57.92819	13.77285	91.62143	7.62177	0.0452796	0.29428269	2.2385127	21	1 13.9	19.9
377214 2003 XG_{26}	18.1	X	359.43610	302.37362	160.99993	4.57589	0.1748528	0.28352857	2.2947647	21	—	—
377215 2003 XQ_{38}	16.0	X	134.32766	3.73605	65.27013	13.14788	0.2512335	0.18850888	3.0124153	21	4 24.3	21.1
377216 2003 YX_{10}	16.5	X	195.74268	114.08027	304.94892	6.19800	0.4086369	0.19781617	2.9171686	21	5 22.5	22.3
377217 2003 YK_{13}	14.8	X	27.52930	232.94608	297.83502	21.52943	0.1676558	0.17995985	3.1070790	21	3 10.6	18.8
377218 2003 YM_{15}	15.8	X	78.38337	216.31914	269.20521	10.09130	0.1631090	0.18637015	3.0354178	21	4 13.3	20.0
377219 2003 YF_{37}	18.1	X	323.34060	51.79826	61.99616	2.39117	0.1364434	0.27640302	2.3340358	21	—	—
377220 2003 YR_{93}	15.6	X	86.84061	180.48911	297.32821	8.44093	0.0584810	0.18307822	3.0716962	21	3 30.5	20.0
377221 2003 YX_{112}	16.5	X	75.05429	177.82942	308.74450	4.35728	0.2439182	0.18295697	3.0730532	21	4 24.9	20.6
377222 2003 YD_{117}	13.0	X	284.64769	52.80507	297.39459	20.49070	0.0833193	0.08438845	5.1477095	21	6 16.3	19.9
377223 2003 YR_{126}	15.6	X	69.74898	158.30585	301.13104	16.29852	0.1767779	0.18005860	3.1059429	21	2 26.2	19.6
377224 2003 YL_{133}	12.9	X	303.25433	220.13968	101.47586	30.16974	0.0748581	0.08179195	5.2560845	21	6 10.3	19.8
377225 2003 YC_{146}	16.1	X	131.05955	142.30413	331.57903	6.61328	0.2098028	0.18894339	3.0077951	21	6 6.4	21.0
377226 2003 YN_{152}	15.4	X	69.71068	23.70205	96.90646	23.01561	0.1178578	0.17974760	3.1095245	21	4 5.9	20.0
377227 2003 YL_{163}	16.6	X	196.68999	323.59934	66.53618	10.75918	0.0724251	0.19305770	2.9649085	21	4 25.7	21.2
377228 2003 YD_{175}	17.4	X	99.98851	311.13583	81.97077	4.45082	0.0898216	0.28620461	2.2804382	21	—	—
377229 2004 AE_4	17.1	X	256.37858	277.31447	305.87106	6.03093	0.0822208	0.28109866	2.3079702	21	—	—
377230 2004 AF_6	15.7	X	113.29853	329.97629	133.00473	18.11589	0.1560153	0.18522874	3.0478749	21	5 8.2	20.6
377231 2004 BA	17.9	X	221.83711	191.94588	298.80757	17.47418	0.0876920	0.37522085	1.9037565	21	10 1.5	20.5
377232 2004 BY_{13}	16.5	X	91.44963	77.27528	308.32453	21.57082	0.2195763	0.28480712	2.2878918	21	—	—
377233 2004 BB_{14}	17.7	X	349.15530	54.61755	95.70721	3.71135	0.1049408	0.28378524	2.2933809	21	—	—
377234 2004 BF_{33}	17.8	X	81.90368	294.98937	106.28326	4.65357	0.2055665	0.28575213	2.2828448	21	—	—
377235 2004 BS_{34}	15.8	X	107.32156	162.55504	326.01229	5.47344	0.1412913	0.18656506	3.0333034	21	5 23.4	20.3
377236 2004 BV_{35}	15.8	X	69.54059	143.63325	321.04457	8.69507	0.0564922	0.17697346	3.1419356	21	2 23.5	20.1
377237 2004 BW_{39}	17.8	X	34.83195	332.46822	139.25757	3.01092	0.1385819	0.28703371	2.2760447	21	—	—
377238 2004 BL_{46}	16.2	X	66.33996	242.62046	258.64376	1.92934	0.2451380	0.18117544	3.0931656	21	5 3.2	20.0
377239 2004 BH_{49}	15.6	X	309.59213	266.49459	299.59556	7.76642	0.0532073	0.17357991	3.1827540	21	1 21.1	20.0
377240 2004 BG_{65}	16.2	X	114.53891	146.17771	328.66734	6.17810	0.1647398	0.18681207	3.0306289	21	5 16.6	20.8
377241 2004 BY_{68}	16.0	X	51.26071	182.83744	255.52991	25.10679	0.1730715	0.28312923	2.2969220	21	—	—
377242 2004 BY_{69}	16.3	X	155.54066	336.51823	108.48232	2.98976	0.2416610	0.19005726	2.9960317	21	5 26.3	21.3
377243 2004 BU_{80}	15.9	X	159.66762	287.72979	129.21631	10.03276	0.1498582	0.18577552	3.0418915	21	4 25.4	20.9
377244 2004 BB_{83}	16.4	X	65.60958	125.79063	24.95119	2.79195	0.1237408	0.18231652	3.0802457	21	4 26.1	20.1
377245 2004 BN_{88}	17.6	X	263.52399	35.21272	165.27427	5.74650	0.1745356	0.27608279	2.3358404	21	—	—
377246 2004 BA_{95}	17.1	X	311.33973	142.02493	303.53956	19.46675	0.1035019	0.38037561	1.8865179	21	—	—
377247 2004 BY_{108}	15.5	X	88.49742	343.72149	115.22282	17.17846	0.1725828	0.17875597	3.1210137	21	4 7.8	20.1
377248 2004 BD_{115}	16.8	X	110.71224	106.82883	347.65427	2.22071	0.1056776	0.18286549	3.0740780	21	4 10.9	21.2
377249 2004 BE_{124}	17.3	X	74.20617	245.61918	209.81535	3.96676	0.2775396	0.23542398	2.5975799	21	3 10.9	19.9
377250 2004 BP_{129}	13.1	X	281.21409	65.26320	289.87672	11.14564	0.0431129	0.08030585	5.3207305	21	6 22.3	20.1
377251 2004 CN_{39}	15.6	X	23.04780	112.50246	29.96964	11.73401	0.1405961	0.17208761	3.2011275	21	2 13.9	19.6
377252 2004 CQ_{45}	16.1	X	40.90139	25.63403	123.88215	11.67342	0.1789017	0.17713120	3.1400701	21	3 27.5	19.8
377253 2004 CV_{46}	17.3	X	200.93833	160.41216	47.35297	3.02214	0.1544715	0.26617408	2.3934565	21	12 7.9	20.8
377254 2004 CG_{52}	17.3	X	196.14986	151.99969	30.34366	22.39075	0.0912362	0.37449490	1.9062160	21	11 18.1	19.6
377255 2004 CM_{55}	16.4	X	53.17414	7.44413	158.77847	4.00183	0.1461402	0.17963325	3.1108440	21	5 2.3	20.2
377256 2004 CA_{56}	18.0	X	37.16409	27.85443	86.89734	2.98871	0.1645790	0.28603440	2.2813427	21	—	—
377257 2004 CG_{59}	15.3	X	123.86364	346.44091	98.92241	11.26782	0.1240759	0.18293479	3.0733016	21	4 22.9	20.0
377258 2004 CV_{70}	15.8	X	19.63850	16.81429	136.92287	11.09653	0.1843844	0.17435053	3.1733687	21	2 16.3	19.1
377259 2004 CV_{85}	16.2	X	65.22304	33.62200	110.57614	2.67457	0.1290343	0.17937343	3.1138473	21	4 19.6	20.1
377260 2004 CQ_{106}	16.1	X	42.51990	305.95243	235.68764	8.73053	0.2150864	0.17898652	3.1183330	21	5 12.2	19.5
377261 2004 CK_{108}	17.6	X	43.12173	47.29345	39.61275	5.86145	0.1762073	0.28355359	2.2946297	21	—	—
377262 2004 CF_{118}	17.2	X	40.08211	307.07098	137.70803	7.41344	0.0806832	0.28155623	2.3054690	21	—	—
377263 2004 DS_1	17.7	X	319.42410	300.01943	154.07323	23.53650	0.1102785	0.38375616	1.8754226	21	—	—
377264 2004 DY_2	15.6	X	98.47978	114.18847	323.64771	10.31526	0.0581451	0.17431574	3.1737910	21	2 27.9	20.0
377265 2004 DB_7	17.1	X	296.00813	205.30135	323.35868	6.14011	0.0530151	0.27527122	2.3404292	21	—	—
377266 2004 DV_{25}	16.6	X	112.33991	353.68587	111.80771	3.22774	0.2328494	0.18472819	3.0533782	21	5 13.5	21.3
377267 2004 DA_{40}	17.5	X	201.44653	293.17557	295.58956	1.82179	0.1312752	0.26830969	2.3807391	21	—	—
377268 2004 DK_{40}	17.2	X	182.74807	42.03435	173.71154	5.27881	0.1852201	0.26306131	2.4123004	21	11 28.3	21.0
377269 2004 DA_{50}	17.4	X	199.67617	287.07469	305.52124	1.42596	0.1634137	0.26849953	2.3796168	21	—	—
377270 2004 DC_{53}	16.2	X	7.62338	30.24958	128.63981	4.99108	0.0997411	0.17198836	3.2023590	21	2 5.9	20.0
377271 2004 DM_{54}	15.8	X	61.43415	140.11354	330.19124	8.19399	0.0686090	0.17431047	3.1738549	21	2 22.3	20.0
377272 2004 DN_{56}	16.6	X	117.03517	147.22116	300.94042	2.54842	0.1936207	0.18179560	3.0861270	21	4 20.8	21.3
377273 2004 DM_{58}	16.5	X	46.66323	37.47108	124.62205	4.05804	0.1364783	0.17909098	3.1171204	21	4 15.7	20.3
377274 2004 EM_2	17.3	X	258.78895	358.81522	198.34117	4.91921	0.1714855	0.27174013	2.3606605	21	—	—
377275 2004 EZ_3	15.7	X	67.72210	62.37431	47.92032	22.63102	0.2847398	0.17535269	3.1612664	21	4 11.6	19.8
377276 2004 EB_4	15.5	X	58.48240	94.53124	48.45915	22.16707	0.2470198	0.17667724	3.1454466	21	4 27.7	19.2
377277 2004 EU_7	16.9	X	306.66203	153.53448	17.27207	10.07700	0.1339685	0.27498860	2.3420325	21	—	—
377278 2004 ED_{10}	16.1	X	24.21658	183.32703	328.02543	4.50240	0.1563574	0.17234647	3.1979214	21	2 21.6	19.7
377279 2004 EQ_{16}	17.2	X	255.56622	147.31845	61.07419	5.71401	0.1074163	0.27176186	2.3605347	21	—	—
377280 2004 EZ_{35}	16.0	X	14.48649	319.32208	228.74431	6.63033	0.1720415	0.17573219	3.1567135	21	3 20.9	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
377281 2004 EZ_{39}	15.3	X	42.76350	348.13587	143.83033	9.11794	0.1147039	0.17304099	3.1893588	21	2 27.4	19.1
377282 2004 EZ_{57}	16.0	X	84.37374	95.48023	32.13112	13.04784	0.1967981	0.17941023	3.1134214	21	5 2.7	20.3
377283 2004 EB_{61}	17.3	X	249.57776	336.55194	189.32228	2.21067	0.1587756	0.26733665	2.3865125	21	12 12.8	19.9
377284 2004 EJ_{67}	17.4	X	189.25191	103.54401	133.71700	2.78192	0.1423862	0.26566483	2.3965142	21	—	—
377285 2004 ED_{70}	17.3	X	186.41515	63.00421	175.11699	3.42507	0.0920602	0.26577703	2.3958397	21	—	—
377286 2004 EK_{84}	15.4	X	52.41874	132.47229	358.34361	18.05743	0.1755611	0.17530666	3.1618197	21	3 18.4	18.9
377287 2004 FQ	17.5	X	208.45968	359.36070	183.16676	24.54784	0.1190562	0.37454765	1.9060370	21	12 9.6	20.2
377288 2004 FL_{23}	17.2	X	239.81804	156.01876	2.38141	4.29028	0.1433166	0.26383060	2.4076089	21	11 19.6	20.4
377289 2004 FX_{25}	16.5	X	211.39536	158.52844	16.94905	21.22257	0.0958767	0.25894913	2.4377720	21	11 7.1	20.1
377290 2004 FE_{30}	17.5	X	179.87581	108.36859	48.63212	22.08498	0.0797509	0.36678560	1.9328339	21	10 8.9	20.1
377291 2004 FM_{40}	15.6	X	108.42775	289.85378	163.05862	15.53552	0.1017221	0.17864997	3.1222481	21	4 9.9	20.2
377292 2004 FF_{46}	15.6	X	85.86223	312.22529	137.76462	11.27499	0.0878333	0.17314495	3.1880821	21	3 6.9	20.0
377293 2004 FF_{58}	16.4	X	103.43545	105.54383	8.57383	12.48732	0.2356205	0.18133508	3.0913499	21	5 10.8	21.2
377294 2004 FV_{62}	17.3	X	240.57847	151.03847	33.82765	3.98172	0.1193552	0.26607491	2.3940512	21	12 31.8	20.3
377295 2004 FA_{67}	17.0	X	152.09621	195.98407	77.43954	3.62794	0.1694904	0.26316634	2.4116586	21	—	—
377296 2004 FF_{79}	16.9	X	61.55316	337.53335	158.26630	0.81726	0.1362340	0.17458421	3.1705364	21	4 3.8	20.9
377297 2004 FX_{82}	15.6	X	81.84688	263.03481	228.23647	15.05694	0.2207199	0.17818635	3.1276617	21	5 9.1	19.7
377298 2004 FD_{88}	17.7	X	268.93098	102.69166	82.95445	5.69456	0.1615436	0.27133706	2.3629977	21	—	—
377299 2004 FE_{91}	17.3	X	297.43151	107.10939	67.15157	6.58527	0.1451490	0.27371004	2.3493203	21	—	—
377300 2004 FM_{92}	16.2	X	64.52243	130.40019	3.49645	11.16257	0.2727583	0.17637307	3.1490619	21	4 22.7	20.1
377301 2004 FH_{96}	16.0	X	53.14850	80.25657	42.39563	12.24969	0.2295704	0.17420826	3.1750962	21	3 21.9	19.7
377302 2004 FG_{100}	17.4	X	271.43746	336.81595	187.44175	6.83908	0.0496988	0.26842400	2.3800632	21	—	—
377303 2004 FN_{102}	16.7	X	349.63574	283.53465	233.01501	18.55697	0.2350919	0.28058690	2.3107757	21	—	—
377304 2004 FL_{129}	15.9	X	54.43079	117.34333	22.20774	26.75451	0.3356651	0.17692200	3.1425449	21	4 22.1	19.4
377305 2004 FF_{137}	14.9	X	48.53796	108.80140	65.69247	26.70990	0.2315149	0.17570240	3.1570704	21	5 19.3	18.5
377306 2004 FG_{151}	17.4	X	171.61928	214.75289	19.94070	6.61118	0.1380686	0.26040049	2.4287054	21	12 11.9	21.3
377307 2004 GW_{15}	17.1	X	177.13623	127.26317	100.04357	2.59723	0.1448802	0.25989527	2.4318520	21	12 8.6	20.8
377308 2004 GB_{16}	16.9	X	219.43067	151.16022	55.64049	8.60184	0.1012498	0.26445706	2.4038052	21	—	—
377309 2004 GG_{31}	17.5	X	233.93401	149.79394	51.69011	3.24333	0.1259882	0.26559342	2.3969437	21	—	—
377310 2004 GW_{39}	16.7	X	209.06413	307.77147	244.64705	8.55740	0.1704848	0.26020792	2.4299036	21	11 24.7	20.1
377311 2004 GF_{46}	17.8	X	253.84559	147.49419	42.57199	3.54096	0.1729203	0.26776588	2.3839614	21	—	—
377312 2004 HA_{14}	17.8	X	11.13518	73.60587	62.45978	3.33374	0.1575924	0.28137715	2.3064471	21	—	—
377313 2004 HS_{20}	16.8	X	278.40583	123.28468	48.85680	13.02728	0.1247082	0.26791374	2.3830842	21	—	—
377314 2004 HM_{25}	17.4	X	177.15197	186.27418	58.63349	4.24230	0.1816752	0.26073484	2.4266287	21	12 27.7	21.2
377315 2004 HB_{31}	16.3	X	350.44236	1.17464	263.34846	12.63073	0.2123282	0.23399660	2.6081327	21	5 8.2	18.7
377316 2004 HZ_{31}	16.8	X	285.08934	103.77787	51.42159	7.53215	0.0664245	0.26692836	2.3889455	21	—	—
377317 2004 HM_{44}	17.3	X	155.82171	8.29825	230.44037	11.64207	0.1250492	0.25717315	2.4489822	21	12 2.6	21.0
377318 2004 HJ_{47}	16.9	X	323.68153	71.60065	66.04105	3.19439	0.1313764	0.27091827	2.3654323	21	—	—
377319 2004 HE_{57}	17.2	X	10.50613	209.44085	96.73128	25.18632	0.0557259	0.35716413	1.9673916	21	9 21.2	19.8
377320 2004 JD_{17}	17.6	X	191.58656	259.99758	235.63646	20.42712	0.0540203	0.36180779	1.9505216	21	8 31.5	20.5
377321 2004 JN_{28}	16.3	X	5.95298	194.66481	125.07911	19.94950	0.3011945	0.23905835	2.5711857	21	10 14.9	18.9
377322 2004 JM_{54}	17.6	X	14.26043	256.00872	60.06023	22.55369	0.0715404	0.35878996	1.9614438	21	10 16.5	19.8
377323 2004 LN_{2}	15.9	X	328.18011	56.64443	277.06597	16.76939	0.3265457	0.22978167	2.6399303	21	6 19.4	18.0
377324 2004 MU_{3}	16.8	X	347.84926	78.70862	233.90706	11.81517	0.2894854	0.23118203	2.6292588	21	7 14.0	18.8
377325 2004 NP_{1}	17.2	X	350.92756	35.49195	276.98561	4.65360	0.2047114	0.23244908	2.6196956	21	7 29.9	19.3
377326 2004 NL_{2}	16.7	X	8.72019	255.35605	75.62821	4.88089	0.1987218	0.23683659	2.5872408	21	10 14.2	19.1
377327 2004 NE_{16}	17.0	X	6.48096	16.82506	282.36800	5.40754	0.3074332	0.23297297	2.6157668	21	8 26.9	18.6
377328 2004 NA_{21}	16.6	X	30.63743	97.43972	231.79766	4.44859	0.1477685	0.24118332	2.5560610	21	11 8.9	19.6
377329 2004 NG_{23}	15.8	X	347.50335	13.17097	318.32736	12.90074	0.1845161	0.23034683	2.6356105	21	8 21.0	18.2
377330 2004 OK_{3}	16.5	X	321.19281	3.33525	307.35356	13.52476	0.2512895	0.22657355	2.6647915	21	5 9.4	19.8
377331 2004 OF_{10}	17.8	X	289.98665	259.86736	86.26540	6.18577	0.2833979	0.28327061	2.2961577	21	5 10.9	20.8
377332 2004 PW_{11}	16.8	X	339.13350	325.16501	310.21461	12.14626	0.2588566	0.22577219	2.6710934	21	4 18.4	19.7
377333 2004 PP_{12}	16.0	X	8.77422	177.50422	134.25847	10.67830	0.1778020	0.23339063	2.6126452	21	9 12.2	18.6
377334 2004 PE_{31}	16.0	X	251.12632	3.27858	320.82993	24.72401	0.1759230	0.21571702	2.7534664	21	3 9.2	20.7
377335 2004 PF_{39}	16.3	X	333.65817	178.69936	160.95804	12.37813	0.1826696	0.22941860	2.6427148	21	8 1.9	19.0
377336 2004 PF_{50}	16.5	X	327.73410	343.01627	335.16287	12.28951	0.2090964	0.22744243	2.6580005	21	6 14.2	19.6
377337 2004 PK_{71}	16.3	X	49.47798	166.77658	128.86607	5.82323	0.1548262	0.23884431	2.5727215	21	10 25.3	19.6
377338 2004 PO_{72}	16.9	X	12.75938	195.16859	109.21446	3.36558	0.1941680	0.23387755	2.6090177	21	9 10.1	19.3
377339 2004 PG_{84}	16.1	X	353.95463	19.63803	292.47952	13.94225	0.1844237	0.23053863	2.6341484	21	8 3.8	18.6
377340 2004 PM_{102}	16.5	X	230.79925	191.29375	172.45825	16.14425	0.2837670	0.21522981	2.7576201	21	4 15.9	21.5
377341 2004 PG_{104}	16.9	X	318.74294	339.61633	356.86715	13.75077	0.2645036	0.22882266	2.6473012	21	6 13.2	20.1
377342 2004 PM_{110}	16.2	X	276.19719	262.00401	147.30532	13.43480	0.1845680	0.22849162	2.6498576	21	8 2.5	19.8
377343 2004 QJ_{14}	15.9	X	250.75935	128.26888	297.36385	21.10304	0.0470255	0.22839611	2.6505963	21	8 7.8	19.6
377344 2004 QQ_{19}	16.6	X	25.37104	7.56477	283.83533	6.38622	0.2258360	0.23294191	2.6159993	21	9 15.2	19.3
377345 2004 RP_{7}	16.0	X	323.55378	176.66773	144.42500	18.04542	0.2465242	0.22473717	2.6792883	21	6 8.2	19.2
377346 2004 RB_{13}	16.6	X	358.59636	315.13459	11.13536	7.73893	0.1632135	0.23104483	2.6302996	21	9 10.5	19.1
377347 2004 RB_{15}	16.5	X	47.40754	297.67727	337.26018	12.03172	0.1364643	0.23312176	2.6146537	21	9 15.3	19.7
377348 2004 RA_{16}	16.9	X	314.18071	12.43706	313.89560	3.17683	0.2519614	0.22539648	2.6740609	21	5 23.9	20.1
377349 2004 RK_{34}	16.7	X	6.64464	207.65903	122.04690	3.01465	0.1388969	0.23339978	2.6125769	21	9 29.3	19.4
377350 2004 RH_{42}	16.6	X	302.68496	310.57601	15.60969	10.84280	0.2130632	0.22029395	2.7151949	21	5 10.7	20.2
377351 2004 RW_{54}	16.7	X	10.09285	172.92387	148.83370	6.01969	0.1798511	0.23248201	2.6194482	21	9 29.2	19.2
377352 2004 RQ_{57}	16.2	X	338.53082	32.94340	326.30288	14.62346	0.1045976	0.23231779	2.6206824	21	9 11.8	19.3
377353 2004 RL_{62}	16.4	X	324.90406	13.80090	347.89975	12.56334	0.1762524	0.22975383	2.6401436	21	8 22.9	19.1
377354 2004 RL_{63}	17.3	X	278.80224	44.47130	346.48291	1.10672	0.2716206	0.22486506	2.6782723	21	6 29.7	21.0
377355 2004 RS_{63}	16.6	X	320.96079	136.30044	170.42598	15.64813	0.2781901	0.22379477	2.6868046	21	5 7.6	19.9
377356 2004 RM_{70}	16.5	X	304.42383	333.57490	52.44969	4.10077	0.1243959	0.22962920	2.6410988	21	8 26.4	19.5
377357 2004 RK_{73}	16.4	X	307.32293	3.92337	3.43856	10.69337	0.1628887	0.22681136	2.6629285	21	7 31.2	19.6
377358 2004 RF_{74}	16.6	X	271.21876	242.20084	182.66309	10.69581	0.2088407	0.22756178	2.6570711	21	8 11.6	20.4
377359 2004 RQ_{76}	16.4	X	346.85883	305.35072	29.02071	4.78549	0.1467119	0.22872642	2.6480438	21	8 28.5	19.0
377360 2004 RK_{86}	16.9	X	306.12133	95.24981	276.61571	4.61447	0.2452786	0.22969783	2.6405727	21	7 16.9	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
377361 2004 RY_{88}	17.2	X	340.06751	134.74937	178.86395	11.96807	0.3053794	0.22963235	2.6410746	21	6 21.7	19.4
377362 2004 RG_{105}	16.4	X	9.23781	93.29029	216.62708	10.64760	0.2071917	0.23061438	2.6335716	21	9 5.7	19.0
377363 2004 RK_{111}	16.6	X	293.89065	144.96152	261.29867	11.48654	0.0786445	0.23136393	2.6278805	21	9 4.6	20.1
377364 2004 RN_{112}	15.9	X	330.41424	44.14338	274.40367	15.64794	0.1730243	0.22463375	2.6801106	21	6 25.9	18.4
377365 2004 RJ_{113}	17.4	X	251.11015	213.45107	186.65951	1.68752	0.1847640	0.22281598	2.6946674	21	6 21.9	21.5
377366 2004 RW_{116}	16.9	X	291.93965	223.74912	142.73192	9.36991	0.2730519	0.22621331	2.6676199	21	6 14.0	20.7
377367 2004 RZ_{133}	17.1	X	322.09401	335.11064	358.55194	7.81278	0.1071607	0.22651222	2.6652725	21	7 13.4	20.3
377368 2004 RP_{142}	16.8	X	321.18129	133.75539	168.79801	13.66110	0.2109879	0.22247253	2.6974399	21	5 13.6	20.1
377369 2004 RL_{150}	16.8	X	302.42085	222.89535	119.86455	3.08160	0.2014455	0.22325162	2.6911607	21	6 7.4	20.0
377370 2004 RW_{152}	17.0	X	305.05435	129.65584	207.78246	8.60150	0.1959108	0.22449299	2.6812307	21	6 5.1	20.3
377371 2004 RX_{152}	16.8	X	0.07549	93.42514	216.22948	8.32648	0.1217597	0.22928662	2.6437288	21	8 10.9	19.8
377372 2004 RM_{154}	16.7	X	99.10024	54.77000	210.31805	10.87648	0.2063113	0.24003925	2.5641763	21	11 14.2	20.8
377373 2004 RQ_{154}	17.1	X	272.84804	103.57512	296.18982	5.94665	0.1737165	0.22563816	2.6721511	21	7 18.5	20.6
377374 2004 RY_{185}	16.3	X	310.91095	115.32675	245.66359	4.93773	0.0873535	0.22644497	2.6658002	21	8 1.9	19.6
377375 2004 RF_{202}	16.5	X	1.99224	102.69601	215.70713	10.40946	0.2138151	0.23170771	2.6252806	21	9 2.8	19.1
377376 2004 RT_{202}	17.0	X	297.51075	177.56225	164.62517	11.62479	0.0905539	0.22358439	2.6884898	21	6 17.8	20.7
377377 2004 RU_{203}	16.8	X	304.49155	64.20561	316.62873	10.57696	0.2149559	0.22848823	2.6498838	21	8 2.8	19.8
377378 2004 RU_{207}	16.8	X	308.47950	78.97720	247.12244	11.59033	0.2784304	0.22419895	2.6835745	21	5 10.1	20.1
377379 2004 RN_{208}	15.9	X	351.45103	74.78482	260.64064	13.72697	0.1385404	0.23068703	2.6330186	21	8 28.5	19.0
377380 2004 RP_{208}	16.5	X	316.71509	56.79354	267.64087	9.97720	0.3328965	0.22533862	2.6745187	21	5 9.9	19.7
377381 2004 RZ_{208}	16.6	X	20.55746	50.55365	265.74834	10.03926	0.1758642	0.23500768	2.6006466	21	10 3.4	19.6
377382 2004 RU_{209}	16.9	X	319.08533	96.17971	231.72247	9.29247	0.2327378	0.22609166	2.6685767	21	6 8.4	19.7
377383 2004 RB_{218}	16.0	X	290.42409	106.63724	256.45184	12.55604	0.1466052	0.22233695	2.6985364	21	6 25.9	19.4
377384 2004 RM_{254}	16.4	X	346.50140	165.31941	142.26190	14.36339	0.1480198	0.22676588	2.6632846	21	7 14.2	19.3
377385 2004 RK_{263}	16.8	X	284.65764	203.20725	165.17077	6.83228	0.0731759	0.22463322	2.6801148	21	7 6.9	20.3
377386 2004 RF_{273}	17.0	X	22.71884	152.28378	153.97850	6.05087	0.1247283	0.23257862	2.6187228	21	9 21.9	20.0
377387 2004 RC_{288}	16.8	X	297.09188	177.20571	188.56067	8.16434	0.2402912	0.22337888	2.6901386	21	6 24.4	20.4
377388 2004 RW_{308}	17.1	X	283.93277	261.67283	121.79115	3.24068	0.1712207	0.22583846	2.6705709	21	7 11.5	20.6
377389 2004 RG_{310}	16.6	X	349.41763	294.70566	359.83535	12.53245	0.2630667	0.22559252	2.6725115	21	6 22.8	19.0
377390 2004 RA_{317}	16.7	X	241.99231	166.36004	237.86343	9.23020	0.2211656	0.22020328	2.7159401	21	6 14.5	21.2
377391 2004 RH_{326}	16.4	X	301.42055	67.07970	292.67634	5.30780	0.0368570	0.22497607	2.6773912	21	7 24.9	19.9
377392 2004 RN_{336}	17.3	X	265.19602	168.12003	259.86265	2.09107	0.1068643	0.22598935	2.6693820	21	8 24.9	20.7
377393 2004 RK_{338}	17.4	X	289.81448	333.51951	24.08312	5.42293	0.1302065	0.22143201	2.7058836	21	6 20.7	21.0
377394 2004 RO_{340}	15.7	X	271.17183	159.14331	263.62174	14.31746	0.0559186	0.22927634	2.6438078	21	8 27.2	19.5
377395 2004 RW_{349}	17.0	X	95.43410	26.57864	177.26500	6.86513	0.1520708	0.22718809	2.6599839	21	8 16.6	20.8
377396 2004 RU_{354}	17.3	X	274.11718	95.18924	324.03854	1.30024	0.1320772	0.22931980	2.6434738	21	8 22.5	20.8
377397 2004 RB_{357}	16.1	X	3.59340	308.53180	77.87431	15.40307	0.2165845	0.23959330	2.5673570	21	12 23.7	18.7
377398 2004 SQ_{1}	16.9	X	307.57809	7.55801	5.05833	2.49738	0.1110200	0.22851959	2.6496413	21	8 12.8	20.0
377399 2004 SY_{3}	16.2	X	16.57089	302.45725	357.42811	14.96584	0.1282663	0.22899577	2.6459669	21	9 4.2	19.1
377400 2004 SQ_{8}	16.7	X	290.15105	22.37208	16.63852	4.99733	0.1709309	0.22784901	2.6548375	21	8 13.9	20.0
377401 2004 SN_{22}	16.8	X	297.96246	116.98252	192.89368	13.99511	0.3551949	0.21927814	2.7235739	21	3 27.0	20.7
377402 2004 SC_{53}	16.9	X	333.09846	64.89199	289.25864	2.62388	0.1211987	0.22965542	2.6408977	21	8 28.3	19.7
377403 2004 TK_{22}	17.3	X	255.52392	181.13794	242.05749	2.72719	0.0679125	0.22548227	2.6733826	21	8 11.4	21.0
377404 2004 TQ_{35}	17.1	X	236.58116	52.83662	11.37256	5.00376	0.1578883	0.22034439	2.7147805	21	7 11.6	21.3
377405 2004 TY_{45}	17.0	X	332.94226	119.49815	213.30658	5.41466	0.1105297	0.22350947	2.6890906	21	7 26.9	20.1
377406 2004 TF_{62}	17.1	X	350.16076	323.71978	347.79456	4.14791	0.1689463	0.22493191	2.6777416	21	7 29.2	19.6
377407 2004 TA_{63}	16.1	X	303.71866	350.34182	19.26384	14.51455	0.0654174	0.22400493	2.6851239	21	8 14.8	19.8
377408 2004 TA_{66}	16.4	X	262.67641	321.94821	56.82003	5.89361	0.1300680	0.21977325	2.7194819	21	6 13.6	20.4
377409 2004 TS_{68}	16.5	X	312.88184	312.52697	59.46051	7.01668	0.1902637	0.22701675	2.6613222	21	8 12.1	19.4
377410 2004 TB_{74}	16.4	X	149.46185	279.17651	207.78151	12.26476	0.1641187	0.21389228	2.7691043	21	7 5.1	21.1
377411 2004 TE_{95}	17.3	X	348.82854	313.29094	26.29199	2.26192	0.0890544	0.22731746	2.6589746	21	9 6.9	20.2
377412 2004 TP_{104}	16.3	X	295.77334	300.16063	40.56747	9.56573	0.0911609	0.22036661	2.7145980	21	6 11.3	19.9
377413 2004 TU_{104}	17.4	X	208.35204	169.19941	256.20075	2.45648	0.1833637	0.21655587	2.7463512	21	6 13.2	22.0
377414 2004 TA_{107}	16.2	X	8.34535	282.62188	19.01262	13.44904	0.1806921	0.22787486	2.6546368	21	8 30.4	19.0
377415 2004 TZ_{112}	16.2	X	285.35906	85.36127	273.01548	7.66837	0.1419930	0.21929590	2.7234268	21	6 13.9	19.9
377416 2004 TH_{113}	17.0	X	282.21595	289.22426	30.48302	10.14373	0.2833008	0.21571348	2.7534965	21	4 4.1	21.3
377417 2004 TX_{116}	16.7	X	223.29021	200.30872	222.16479	12.32711	0.2121632	0.21824010	2.7322033	21	6 20.5	21.4
377418 2004 TZ_{122}	17.0	X	276.26172	326.34317	66.54818	3.59611	0.1726578	0.22370881	2.6874929	21	7 14.3	20.7
377419 2004 TX_{127}	16.7	X	290.77400	208.10354	158.95244	9.05463	0.1661319	0.22324166	2.6912407	21	6 29.3	20.3
377420 2004 TP_{132}	16.0	X	326.18611	86.00995	247.22049	10.41081	0.2042729	0.22474656	2.6792137	21	7 3.8	18.9
377421 2004 TU_{138}	16.6	X	296.25518	36.46789	346.09826	10.49785	0.1247214	0.22591767	2.6699467	21	8 8.6	19.9
377422 2004 TR_{146}	16.5	X	262.09540	187.12832	235.98354	4.56726	0.0427026	0.22574981	2.6712700	21	8 22.8	20.2
377423 2004 TT_{153}	17.0	X	302.25182	16.18924	10.34543	2.03528	0.1007856	0.22682924	2.6627886	21	8 25.1	20.0
377424 2004 TW_{165}	17.3	X	276.67273	341.24924	344.71815	2.99987	0.1946535	0.21707058	2.7420082	21	4 13.5	21.5
377425 2004 TL_{166}	17.1	X	287.60799	18.37894	342.65331	3.92242	0.1076705	0.22253506	2.6969346	21	6 26.3	20.5
377426 2004 TF_{180}	17.4	X	338.26868	193.14439	113.03523	1.52184	0.1963862	0.22487410	2.6782005	21	6 20.5	19.9
377427 2004 TQ_{187}	17.3	X	303.80694	156.65112	202.58501	5.06401	0.0846345	0.22377579	2.6869566	21	7 19.9	20.7
377428 2004 TW_{198}	17.0	X	243.28849	164.39742	197.49703	4.08900	0.0866034	0.21314802	2.7755466	21	5 6.5	20.9
377429 2004 TV_{202}	16.9	X	266.66113	317.43444	34.35720	9.02462	0.2415385	0.21549535	2.7553543	21	4 30.9	21.2
377430 2004 TS_{203}	16.6	X	278.72802	303.24574	39.65683	12.28953	0.1366573	0.21433379	2.7653002	21	5 15.1	20.6
377431 2004 TC_{205}	17.0	X	250.01245	141.91877	220.98663	3.21246	0.1157944	0.21233200	2.7826532	21	5 11.9	21.1
377432 2004 TK_{214}	17.3	X	183.97315	245.48211	185.28273	0.98505	0.0545306	0.21377585	2.7701096	21	5 28.7	21.2
377433 2004 TT_{225}	15.9	X	238.56154	187.48366	246.86889	13.89514	0.1147225	0.22295320	2.6935616	21	7 26.1	20.1
377434 2004 TM_{220}	16.3	X	352.14264	256.68332	74.52073	14.14636	0.1977783	0.22855614	2.6493588	21	9 12.3	19.0
377435 2004 TM_{231}	16.9	X	199.12068	234.42160	229.16009	6.67469	0.1950592	0.21758030	2.7377241	21	7 20.5	21.6
377436 2004 TH_{244}	16.4	X	213.07668	180.93826	215.19317	8.95358	0.1603977	0.21405799	2.7676750	21	5 13.6	20.9
377437 2004 TH_{273}	16.4	X	316.93088	122.69966	249.37281	5.36176	0.0441786	0.22378684	2.6868681	21	8 30.2	19.9
377438 2004 TC_{288}	16.8	X	226.07472	157.32813	227.00721	10.06577	0.2588512	0.21280003	2.7785716	21	5 5.3	21.7
377439 2004 TW_{290}	16.6	X	14.24851	276.54977	6.24992	5.60688	0.1155383	0.22393599	2.6856749	21	8 2.7	19.6
377440 2004 TK_{295}	16.6	X	273.47774	128.95412	236.64023	6.65108	0.1912389	0.21767766	2.7369077	21	6 1.4	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
377441 2004 TX_{307}	16.1	X	303.90693	134.08420	229.32390	13.63089	0.1851033	0.22417171	2.6837919	21	7 8.5	19.5
377442 2004 TM_{319}	16.8	X	301.39929	106.55467	204.71240	8.71212	0.2050832	0.21722142	2.7407386	21	4 24.0	20.5
377443 2004 TJ_{323}	16.1	X	310.98721	133.11871	229.62526	5.73811	0.0471417	0.22073484	2.7115781	21	8 8.4	19.6
377444 2004 TS_{323}	16.6	X	193.78388	20.35280	59.65549	5.50633	0.0395227	0.21383134	2.7696303	21	6 21.4	20.6
377445 2004 TU_{338}	16.4	X	277.09089	322.76603	28.48257	13.86729	0.1986054	0.21796180	2.7345286	21	5 13.8	20.5
377446 2004 TR_{345}	16.5	X	254.41047	348.85722	37.47210	8.61485	0.1445329	0.21757990	2.7377274	21	6 11.5	20.6
377447 2004 TE_{359}	16.6	X	315.67946	153.52093	207.70029	2.09216	0.1475828	0.22511852	2.6762616	21	8 3.3	19.7
377448 2004 TK_{366}	16.0	X	312.40059	61.88145	274.12957	4.87971	0.0788668	0.21952957	2.7214939	21	7 2.6	19.4
377449 2004 VW_{8}	16.1	X	250.00250	86.77843	274.34919	11.42420	0.2329877	0.21510365	2.7586982	21	4 24.9	20.9
377450 2004 VG_{26}	16.1	X	254.63312	152.46260	241.17913	12.74980	0.1959030	0.21765654	2.7370847	21	6 15.8	20.3
377451 2004 VK_{29}	16.8	X	195.33707	65.98868	59.28351	10.51464	0.2079235	0.21799002	2.7342926	21	8 18.9	21.6
377452 2004 VF_{42}	16.7	X	331.14504	85.56058	223.68959	4.97981	0.0316259	0.21614030	2.7498704	21	6 28.6	20.2
377453 2004 VR_{46}	16.0	X	324.24135	254.10358	70.52219	13.98981	0.2336720	0.22034383	2.7147850	21	6 12.7	18.8
377454 2004 VT_{47}	16.6	X	258.03612	331.30959	73.08649	12.13613	0.1262450	0.21832330	2.7315091	21	7 13.6	20.6
377455 2004 VG_{57}	16.3	X	251.12380	142.84007	275.42280	10.57105	0.1524664	0.22151035	2.7052456	21	7 18.2	20.2
377456 2004 VX_{73}	16.6	X	238.79398	334.15700	91.47991	4.41648	0.1811166	0.21883020	2.7272893	21	7 12.7	20.9
377457 2004 VP_{79}	17.2	X	351.79976	109.32773	200.26400	2.66889	0.1342413	0.22251749	2.6970766	21	7 28.0	19.9
377458 2004 VS_{91}	17.2	X	280.07049	306.93132	86.81831	2.32619	0.2154069	0.22233555	2.6985478	21	7 13.6	20.9
377459 2004 WW_{6}	16.7	X	289.36201	134.83937	294.02548	6.06906	0.3305297	0.22561696	2.6723185	21	8 22.8	20.1
377460 2004 WN_{8}	16.2	X	317.49151	109.41411	272.44495	9.20805	0.2853279	0.22561869	2.6723048	21	8 13.6	18.8
377461 2004 XZ_{10}	15.9	X	275.30210	347.12369	84.63240	15.63863	0.2454547	0.22148156	2.7054800	21	8 29.4	19.8
377462 2004 XP_{32}	16.0	X	323.50984	258.28682	76.27451	14.55676	0.1628192	0.21807115	2.7336143	21	7 8.1	19.1
377463 2004 XE_{45}	16.7	X	201.32560	59.95625	81.19846	12.10070	0.4412404	0.21779360	2.7359362	21	9 3.5	22.3
377464 2004 XS_{76}	15.8	X	317.15943	110.63566	243.44008	8.91671	0.2552801	0.22325229	2.6911553	21	7 8.4	18.6
377465 2004 XP_{80}	16.3	X	227.99377	4.43134	84.95195	5.83919	0.2959980	0.21618790	2.7494666	21	7 23.7	21.1
377466 2004 XC_{105}	16.0	X	184.93333	153.12749	314.03636	7.95914	0.1125555	0.21023057	2.8011657	21	7 16.3	20.3
377467 2004 XX_{106}	16.1	X	281.17045	315.22750	59.09425	8.43685	0.2775926	0.21845995	2.7303699	21	6 9.2	20.0
377468 2004 XL_{107}	16.4	X	249.30759	110.02257	284.79090	8.65965	0.3173572	0.21572949	2.7533602	21	5 31.8	21.2
377469 2004 XD_{108}	16.8	X	190.39600	84.65211	45.62783	7.58734	0.2907329	0.21254237	2.7808167	21	8 17.3	21.9
377470 2004 XX_{161}	15.8	X	275.70932	330.96459	41.68633	10.18165	0.3919369	0.21931509	2.7232679	21	5 18.3	20.2
377471 2004 YG_{16}	13.3	X	336.94156	192.35580	107.98955	12.36002	0.0697640	0.08511572	5.1183446	21	6 24.8	19.9
377472 2004 YG_{25}	16.9	X	148.84103	151.88210	287.52178	5.34350	0.0743678	0.19876887	2.9078398	21	4 29.4	21.2
377473 2005 AQ	16.8	X	234.32383	243.95045	158.64631	8.30741	0.2349009	0.20996995	2.8034831	21	6 6.0	21.6
377474 2005 AW_{18}	15.2	X	252.24352	286.84772	294.54250	19.84419	0.2805911	0.17351663	3.1835278	21	—	—
377475 2005 AA_{79}	13.5	X	324.93741	343.25795	330.10613	18.52943	0.0310334	0.08290205	5.2090583	21	6 30.0	20.5
377476 2005 AF_{79}	17.8	X	50.80917	63.65377	83.60405	4.23245	0.0665043	0.31043585	2.1601710	21	3 4.1	19.8
377477 2005 BV_{33}	18.1	X	133.77453	256.52343	137.79899	2.41601	0.0934186	0.30887497	2.1674424	21	1 30.7	20.4
377478 2005 CX_{9}	18.2	X	74.18091	24.82354	81.15774	3.14376	0.1280853	0.30773485	2.1727925	21	2 15.9	19.9
377479 2005 CK_{47}	16.0	X	337.30471	48.14047	145.25498	16.61618	0.0518964	0.18307756	3.0717036	21	2 7.5	20.1
377480 2005 CL_{50}	15.6	X	318.02962	250.21038	325.67857	25.84395	0.2011143	0.18091752	3.0961046	21	1 26.9	20.0
377481 2005 CJ_{65}	15.5	X	287.21068	228.60586	339.60068	27.18767	0.0855003	0.17582322	3.1556239	21	—	—
377482 2005 EK_{8}	15.9	X	34.99208	158.88743	359.38375	10.98586	0.1206783	0.18387117	3.0628587	21	3 18.3	19.3
377483 2005 EW_{16}	15.7	X	329.40507	220.72023	354.26336	9.51663	0.1219869	0.18144475	3.0901041	21	2 17.6	19.7
377484 2005 EW_{18}	16.1	X	282.28235	43.64548	174.70209	19.35659	0.1701151	0.17270454	3.1934998	21	—	—
377485 2005 ED_{27}	17.7	X	333.90173	160.20830	357.57486	6.96186	0.1024191	0.29592647	2.2302156	21	—	—
377486 2005 EB_{31}	15.9	X	46.87958	138.93833	9.94788	9.84585	0.0540708	0.18521880	3.0479840	21	3 20.7	19.8
377487 2005 EX_{49}	17.0	X	237.30486	133.64991	70.08380	3.81264	0.1470106	0.28541833	2.2846244	21	—	—
377488 2005 EY_{49}	17.4	X	305.92800	109.05626	130.87919	5.83017	0.1093745	0.30219927	2.1992458	21	1 25.5	20.2
377489 2005 EY_{60}	16.7	X	155.89806	314.04291	334.51464	13.88579	0.2448102	0.28274614	2.2989962	21	—	—
377490 2005 EM_{75}	16.1	X	109.77061	70.85464	355.86874	10.47323	0.0204516	0.18141934	3.0903927	21	2 25.9	20.4
377491 2005 EK_{103}	16.8	X	17.76242	37.29429	139.45378	2.19282	0.0981009	0.18492173	3.0512473	21	3 14.1	20.5
377492 2005 EB_{104}	18.2	X	108.63723	297.24188	158.49626	3.67970	0.0617554	0.30885544	2.1675338	21	3 19.2	20.3
377493 2005 EK_{122}	13.9	X	29.73764	81.77383	167.33902	6.08994	0.0230234	0.07925698	5.3675700	21	7 1.5	20.9
377494 2005 EA_{144}	17.7	X	353.60046	147.38096	20.30524	2.53728	0.0677236	0.29986336	2.2106524	21	—	—
377495 2005 EN_{144}	16.1	X	32.61690	164.82711	5.99776	9.31258	0.0876410	0.18572179	3.0424782	21	3 28.5	19.7
377496 2005 EP_{145}	16.9	X	79.00804	81.64769	50.81932	2.20929	0.1355211	0.18836430	3.0139566	21	4 23.3	20.9
377497 2005 EJ_{147}	17.8	X	92.84944	305.63799	146.69817	3.39830	0.0809945	0.30482877	2.1865802	21	2 20.9	19.9
377498 2005 EC_{148}	15.5	X	321.34804	214.62217	26.29511	9.58121	0.0427579	0.18313104	3.0711056	21	3 21.6	19.7
377499 2005 EW_{151}	16.5	X	99.51223	321.60750	167.93943	8.26889	0.1226611	0.18977485	2.9990034	21	5 16.1	20.8
377500 2005 ET_{157}	16.1	X	259.30328	270.84826	350.00907	3.89256	0.1502470	0.17512891	3.1639587	21	1 20.3	21.1
377501 2005 ER_{158}	16.6	X	112.35348	238.39592	176.78278	9.36913	0.0502563	0.18015124	3.1048780	21	2 15.6	21.0
377502 2005 EJ_{159}	15.9	X	262.68473	277.89986	359.66837	11.53630	0.0930150	0.17930743	3.1146113	21	2 18.9	20.6
377503 2005 EE_{160}	16.3	X	302.36898	201.64305	24.12899	5.71641	0.1129638	0.17601300	3.1533552	21	1 29.2	20.8
377504 2005 EY_{176}	17.0	X	100.18959	125.97322	15.97060	7.46080	0.1522956	0.19156529	2.9802875	21	6 2.4	21.4
377505 2005 EJ_{179}	15.4	X	190.72118	353.58809	352.12558	18.42177	0.2211812	0.18091515	3.0961317	21	3 1.0	20.7
377506 2005 EG_{183}	17.0	X	127.37401	106.99386	350.73727	2.50477	0.0641182	0.18991359	2.9975426	21	4 28.4	21.2
377507 2005 EY_{212}	16.2	X	147.79598	246.50344	172.28828	10.26947	0.1123005	0.18806870	3.0171139	21	4 10.8	20.8
377508 2005 EM_{219}	17.8	X	28.91885	138.06381	3.91074	6.95952	0.0663752	0.30006892	2.2096426	21	1 19.7	20.1
377509 2005 EL_{239}	16.3	X	26.59797	74.55462	103.16397	2.24340	0.0912313	0.18549768	3.0449282	21	3 29.8	19.9
377510 2005 EV_{254}	16.4	X	307.53904	261.87083	331.87427	7.96005	0.0856420	0.18228109	3.0806449	21	2 15.1	20.5
377511 2005 EA_{255}	16.1	X	145.95569	107.98006	333.24593	9.59607	0.0209118	0.19209883	2.9747666	21	4 21.3	20.5
377512 2005 EV_{295}	15.5	X	11.80846	137.90448	72.41021	11.43703	0.0532792	0.18755837	3.0225842	21	4 21.7	19.5
377513 2005 EG_{314}	15.9	X	263.02861	269.13905	1.93534	10.42281	0.0359237	0.17856734	3.1232113	21	2 17.6	20.4
377514 2005 FB_{13}	17.4	X	285.73992	146.46098	65.40011	6.97543	0.1232665	0.29338549	2.2430741	21	—	—
377515 2005 GD_{1}	17.9	X	220.58976	164.04753	73.38481	8.83480	0.2207814	0.28377318	2.2934458	21	—	—
377516 2005 GU_{6}	15.6	X	23.46076	111.55651	31.43482	27.13172	0.0741508	0.17672446	3.1448862	21	2 25.5	20.3
377517 2005 GR_{11}	17.0	X	326.51067	111.23518	92.85246	5.72340	0.0963356	0.29861472	2.2168105	21	1 6.5	19.4
377518 2005 GD_{17}	18.2	X	7.69807	349.70523	184.54998	4.07481	0.0988640	0.30382131	2.1914113	21	1 23.7	20.4
377519 2005 GP_{17}	18.2	X	199.11148	265.73628	356.66676	7.09833	0.1684774	0.28702656	2.2760825	21	—	—
377520 2005 GO_{19}	17.7	X	122.38492	86.30734	200.54172	8.55826	0.0531448	0.27642013	2.3339396	21	12 30.5	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
377521 2005 GD_{20}	17.5	X	179.39207	226.63141	30.67286	13.03125	0.2127121	0.27910189	2.3189650	21	—	—
377522 2005 GQ_{36}	16.6	X	280.94110	44.48289	198.81629	9.00197	0.0410901	0.17456172	3.1708088	21	1 30.5	21.3
377523 2005 GC_{52}	16.1	X	6.95449	338.16359	212.99560	10.55495	0.0837679	0.17964397	3.1107202	21	3 13.6	20.2
377524 2005 GQ_{66}	16.2	X	181.81994	166.97937	198.19444	8.84969	0.0782922	0.17898397	3.1183627	21	3 7.4	20.9
377525 2005 GJ_{74}	17.2	X	190.39547	185.59854	63.14987	10.62947	0.1681553	0.28130201	2.3068578	21	—	—
377526 2005 GF_{78}	17.1	X	196.05907	162.24866	98.35369	11.53000	0.0388697	0.28494371	2.2871606	21	—	—
377527 2005 GA_{89}	17.9	X	259.10782	17.10082	229.16367	4.67983	0.1648829	0.29149866	2.2527431	21	—	—
377528 2005 GE_{105}	15.9	X	36.64527	148.34997	33.42087	15.27755	0.1691823	0.18552000	3.0446840	21	4 24.8	19.3
377529 2005 GG_{112}	17.6	X	324.31221	329.14658	235.15436	5.08883	0.1037052	0.29750691	2.2223102	21	1 2.2	20.3
377530 2005 GD_{115}	16.0	X	309.29395	47.64560	213.87461	9.22160	0.0103324	0.18206237	3.0831116	21	4 1.0	20.3
377531 2005 GC_{124}	16.8	X	83.05837	301.04917	202.48275	3.79564	0.1685910	0.19219234	2.9738017	21	5 18.2	20.7
377532 2005 GH_{131}	17.9	X	180.71356	190.36013	83.09184	1.83843	0.2191761	0.28137182	2.3064762	21	—	—
377533 2005 GB_{154}	15.8	X	16.41632	337.74445	192.35498	14.36610	0.0818808	0.17814151	3.1281865	21	3 1.7	19.9
377534 2005 GQ_{155}	15.3	X	320.89564	129.69511	55.37217	5.48007	0.1123897	0.17178907	3.2048351	21	1 2.5	19.7
377535 2005 GG_{158}	15.6	X	247.70627	54.21156	236.64416	8.42156	0.0375380	0.17667465	3.1454773	21	2 17.0	20.3
377536 2005 GN_{162}	15.9	X	358.37367	57.87971	114.54644	10.87403	0.2455443	0.17752547	3.1354191	21	1 23.3	19.3
377537 2005 GP_{172}	17.9	X	152.71517	207.78663	64.00930	3.19585	0.2088427	0.27638283	2.3341495	21	—	—
377538 2005 GH_{178}	16.1	X	119.50519	290.46029	166.78454	6.92215	0.1237824	0.18545647	3.0453792	21	4 29.2	20.6
377539 2005 GF_{181}	16.2	X	26.70062	328.79257	183.12923	10.44886	0.0748151	0.17917999	3.1160880	21	2 22.6	20.3
377540 2005 GT_{200}	16.7	X	98.70089	77.33894	350.97914	15.85156	0.1667237	0.18513782	3.0488727	21	3 5.4	20.9
377541 2005 GT_{202}	18.0	X	255.41632	23.51388	186.44239	4.80670	0.1283224	0.28565530	2.2833607	21	—	—
377542 2005 GD_{206}	16.3	X	211.88402	251.09158	42.86826	9.04913	0.1086577	0.17078335	3.2174048	21	1 18.4	21.5
377543 2005 GA_{209}	15.7	X	357.70702	132.01681	42.96933	23.83488	0.2059280	0.17990953	3.1076583	21	2 9.4	19.8
377544 2005 GQ_{217}	15.6	X	22.75590	103.70517	33.88739	7.83097	0.0824243	0.17689280	3.1428907	21	2 4.4	19.7
377545 2005 HP_{6}	16.7	X	175.17843	227.44031	68.43139	24.69662	0.1238062	0.28340443	2.2954348	21	—	—
377546 2005 HO_{10}	16.2	X	0.52581	161.73519	34.15242	3.64952	0.1216166	0.17998744	3.1067616	21	3 11.9	19.9
377547 2005 JQ_{13}	18.1	X	155.59234	75.98226	210.18186	6.35519	0.1124812	0.28006779	2.3136302	21	—	—
377548 2005 JL_{16}	16.0	X	350.90698	350.53116	186.45020	17.60605	0.1537528	0.17985119	3.1083303	21	1 23.5	20.2
377549 2005 JD_{24}	15.7	X	120.05212	38.95775	54.63381	11.25882	0.0597991	0.18182994	3.0857385	21	4 18.7	20.1
377550 2005 JN_{35}	16.3	X	41.16816	7.51770	180.50978	7.39855	0.1540842	0.18333323	3.0688471	21	5 12.4	19.9
377551 2005 JP_{43}	15.2	X	307.52400	128.13213	92.72125	11.95451	0.1297636	0.17155401	3.2077619	21	1 27.5	19.7
377552 2005 JV_{47}	15.5	X	8.07221	147.45307	57.41198	10.68651	0.0534686	0.18117085	3.0932178	21	4 9.7	19.6
377553 2005 JZ_{54}	17.4	X	268.06246	100.74163	131.09624	5.38086	0.0647507	0.28888732	2.2662982	21	—	—
377554 2005 JM_{56}	15.6	X	86.28665	27.05181	83.15347	29.17546	0.1697269	0.17940257	3.1135101	21	4 26.6	20.4
377555 2005 JE_{76}	18.1	X	122.68483	72.05441	240.97274	1.52963	0.2177823	0.27497976	2.3420827	21	—	—
377556 2005 JR_{78}	17.8	X	133.35775	300.46639	1.98307	1.18457	0.1842557	0.27577727	2.3375652	21	—	—
377557 2005 JD_{79}	17.8	X	255.27324	200.96517	41.25203	3.65093	0.1187820	0.28888165	2.2663279	21	—	—
377558 2005 JO_{89}	15.6	X	44.07226	108.11027	25.25645	17.30844	0.0462972	0.18015735	3.1048079	21	3 4.9	20.0
377559 2005 JF_{117}	15.4	X	17.08818	335.25316	216.34696	16.74815	0.1336320	0.17997676	3.1068844	21	3 29.7	19.1
377560 2005 JT_{117}	16.0	X	351.12109	127.81721	86.63864	11.37691	0.0892295	0.17841069	3.1250392	21	3 28.8	20.2
377561 2005 JR_{127}	17.2	X	72.10095	91.41911	217.53638	10.66033	0.2870105	0.26387071	2.4073649	21	12 21.8	21.3
377562 2005 JG_{137}	16.1	X	179.86602	281.24084	64.96278	14.25887	0.0344155	0.17205834	3.2014906	21	2 17.7	21.0
377563 2005 JE_{140}	15.4	X	333.80593	157.14806	60.19024	16.60187	0.1582838	0.17609243	3.1524068	21	3 1.5	19.7
377564 2005 JQ_{149}	17.9	X	3.98725	334.26480	200.08694	2.51510	0.0792400	0.29794446	2.2201339	21	1 22.2	20.2
377565 2005 JF_{152}	15.9	X	101.71559	98.77100	17.07319	9.87580	0.0967516	0.18846611	3.0128710	21	4 23.9	20.2
377566 2005 KV_{7}	15.5	X	344.65687	339.65054	235.12512	16.13337	0.1670456	0.17684497	3.1434574	21	2 25.6	19.6
377567 2005 LV_{4}	15.6	X	64.75316	18.02812	92.18658	11.17313	0.0899601	0.17493566	3.1662885	21	3 6.3	19.9
377568 2005 LH_{7}	17.8	X	162.72413	130.89674	107.79750	3.89853	0.2459153	0.27180890	2.3602623	21	12 6.8	21.8
377569 2005 LW_{17}	17.7	X	197.68558	34.41371	205.99256	5.06316	0.1225818	0.27789972	2.3256480	21	—	—
377570 2005 LR_{18}	15.6	X	121.14845	8.21643	75.32555	10.64365	0.0663632	0.17797998	3.1300788	21	4 10.8	20.2
377571 2005 LC_{20}	17.2	X	225.04956	177.68150	69.71428	6.24835	0.1253775	0.28406979	2.2918491	21	—	—
377572 2005 LA_{24}	16.2	X	131.48175	86.65547	272.56358	23.03141	0.2173787	0.27663599	2.3327253	21	1 4.2	19.2
377573 2005 LH_{25}	17.9	X	99.69617	89.86631	223.06042	4.81274	0.2628064	0.26895202	2.3769471	21	—	—
377574 2005 LU_{27}	17.8	X	349.54484	331.44434	174.57823	5.31431	0.0818566	0.29029105	2.2589864	21	—	—
377575 2005 LB_{52}	16.9	X	130.63847	359.73032	281.91825	7.52319	0.1367310	0.26688359	2.3892126	21	—	—
377576 2005 NB_{16}	17.5	X	185.63766	207.75675	54.44822	1.20656	0.1756377	0.27414570	2.3468307	21	—	—
377577 2005 NN_{17}	17.9	X	92.16909	175.21496	124.86071	3.35831	0.1792218	0.26233043	2.4167790	21	12 20.6	21.7
377578 2005 NJ_{21}	17.6	X	92.46661	45.59486	252.89989	4.98176	0.1908133	0.26230502	2.4169351	21	12 19.6	21.4
377579 2005 NB_{29}	17.5	X	55.36985	181.82569	183.02420	2.11706	0.2169414	0.26295635	2.4129423	21	—	—
377580 2005 NC_{33}	17.5	X	35.11157	86.20417	298.28418	1.45711	0.1784463	0.26367911	2.4085310	21	—	—
377581 2005 NL_{33}	17.7	X	185.67061	107.07405	118.74864	2.47315	0.1336641	0.26821659	2.3812900	21	12 17.4	21.1
377582 2005 NE_{34}	17.1	X	24.11811	295.54220	120.56035	12.91633	0.1510522	0.26714433	2.3876578	21	—	—
377583 2005 NP_{41}	18.0	X	24.20019	196.23936	172.23577	1.24948	0.1978969	0.25928199	2.4356852	21	—	—
377584 2005 NH_{43}	18.2	X	63.24638	85.63778	228.12189	2.24822	0.1988207	0.25900043	2.4374500	21	12 10.7	21.8
377585 2005 NA_{46}	17.9	X	140.43187	121.88662	157.70535	1.51956	0.1655479	0.26768752	2.3844267	21	—	—
377586 2005 NE_{79}	17.5	X	353.02415	289.54606	126.69792	5.29572	0.0942752	0.26239738	2.4163679	21	—	—
377587 2005 NG_{85}	18.2	X	89.12380	199.91841	124.50430	3.32633	0.2350188	0.26536955	2.3982916	21	—	—
377588 2005 NJ_{87}	17.8	X	151.85403	127.40157	128.13250	3.08011	0.1581846	0.26806652	2.3821786	21	12 20.1	21.6
377589 2005 NB_{88}	17.7	X	160.32898	67.47189	222.34650	5.77582	0.1150693	0.27240066	2.3568428	21	—	—
377590 2005 NG_{102}	17.7	X	65.17653	214.84107	125.32934	2.61831	0.2089094	0.26281629	2.4137995	21	—	—
377591 2005 ON_{11}	16.8	X	78.95859	324.28741	327.58445	14.59136	0.2021557	0.25787270	2.4445512	21	11 26.3	20.8
377592 2005 OT_{12}	17.3	X	28.72915	317.12853	51.48433	2.95716	0.2081305	0.25710120	2.4494391	21	—	—
377593 2005 QV_{27}	17.5	X	4.97713	237.71086	132.23666	5.17858	0.1895680	0.25142160	2.4861901	21	12 3.7	20.0
377594 2005 QM_{45}	17.8	X	41.77351	318.29155	353.51401	9.80585	0.1805922	0.25230248	2.4803999	21	11 4.9	21.0
377595 2005 QR_{53}	17.2	X	1.38019	273.12795	152.14878	2.49277	0.2025016	0.26011480	2.4304835	21	—	—
377596 2005 QM_{65}	15.8	X	69.64244	316.16299	30.34648	23.79079	0.2285765	0.26383285	2.4075952	21	—	—
377597 2005 QT_{70}	15.1	X	14.38257	2.47655	320.69740	7.46697	0.3096265	0.12447765	3.9726027	21	10 1.7	19.4
377598 2005 QW_{123}	17.6	X	333.86002	245.69043	169.08324	2.10052	0.2085980	0.25267281	2.4779757	21	12 7.6	19.4
377599 2005 QL_{129}	18.2	X	86.98844	199.85611	115.71468	3.61561	0.1093093	0.25964525	2.4334128	21	12 28.6	21.7
377600 2005 QU_{152}	16.9	X	45.16496	150.60089	259.19484	5.76634	0.0707613	0.26777862	2.3838858	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
377601 2005 QB_{153}	16.7	X	158.74544	346.76324	276.00466	5.89220	0.1069579	0.26519430	2.3993481	21	—	—
377602 2005 QJ_{158}	17.4	X	8.71685	3.32312	34.37081	5.63684	0.1949191	0.25591140	2.4570253	21	—	—
377603 2005 QW_{160}	18.3	X	336.58968	307.59526	100.96011	2.81993	0.3675257	0.24907106	2.5018074	21	12 22.9	18.9
377604 2005 QY_{164}	17.3	X	10.57545	275.81605	101.75257	5.60206	0.1431471	0.25335406	2.4735316	21	12 16.4	20.0
377605 2005 QV_{180}	16.5	X	60.87150	313.04995	26.89071	14.68857	0.1492317	0.25830092	2.4418487	21	—	—
377606 2005 RW_{2}	17.7	X	51.90165	69.27349	250.63811	20.25133	0.0391218	0.37951251	1.8893771	21	12 6.8	19.3
377607 2005 RU_{24}	16.2	X	51.09643	114.04243	223.31561	12.38391	0.2299752	0.25838932	2.4412917	21	12 29.4	19.9
377608 2005 RB_{34}	18.7	X	41.82109	151.56441	136.69948	9.82581	0.3948005	0.31268540	2.1497980	21	11 20.9	21.8
377609 2005 RC_{43}	17.6	X	33.28468	24.82679	325.03071	3.34378	0.2188821	0.25508166	2.4623506	21	12 24.3	20.6
377610 2005 RU_{43}	18.0	X	332.19181	120.86686	224.76754	2.82767	0.2278667	0.24277599	2.5448698	21	8 4.7	19.9
377611 2005 SJ_{7}	18.0	X	167.65628	328.46214	188.79918	22.13040	0.0648461	0.36662079	1.9334131	21	9 8.3	20.4
377612 2005 SM_{8}	17.7	X	340.99070	318.71143	13.83782	19.96820	0.0714448	0.36474005	1.9400537	21	9 6.8	19.4
377613 2005 SM_{27}	17.2	X	22.13344	165.44544	224.19827	5.95450	0.1223467	0.25635720	2.4541760	21	—	—
377614 2005 SK_{51}	17.9	X	289.54281	178.66353	194.16852	3.30586	0.2817018	0.23740679	2.5830965	21	6 16.9	21.2
377615 2005 SP_{53}	17.3	X	267.95649	196.53044	207.96697	14.09423	0.0986823	0.23792031	2.5793783	21	7 26.1	21.0
377616 2005 SO_{70}	17.4	X	18.27883	260.72540	101.29481	4.51999	0.2532353	0.25301904	2.4757146	21	12 24.7	20.1
377617 2005 SS_{78}	18.1	X	75.47240	166.07465	146.39559	2.09701	0.1871449	0.25647794	2.4534057	21	12 19.7	21.8
377618 2005 SP_{102}	16.5	X	46.20848	331.48272	350.42953	10.37555	0.0557194	0.18672315	3.0315910	21	10 25.5	20.7
377619 2005 SE_{115}	17.6	X	232.12995	339.36930	205.95867	2.22854	0.1107024	0.25747906	2.4470421	21	12 20.0	20.8
377620 2005 SB_{133}	15.0	X	321.15857	74.13744	24.50101	9.78496	0.2259929	0.12697163	3.9204109	21	11 26.7	19.5
377621 2005 SY_{154}	17.6	X	346.58361	135.86209	191.31266	14.80164	0.1540857	0.24229546	2.5482334	21	8 11.0	20.4
377622 2005 SC_{183}	17.7	X	258.65852	200.96505	252.48007	1.46325	0.1283633	0.24278284	2.5448219	21	9 17.9	21.0
377623 2005 SZ_{203}	17.9	X	320.98139	284.27779	189.69662	2.15986	0.1374307	0.25938029	2.4350697	21	—	—
377624 2005 SY_{206}	16.7	X	88.04997	251.13481	151.91029	4.45044	0.2051528	0.26898300	2.3767646	21	—	—
377625 2005 SV_{223}	17.3	X	209.11581	123.81067	23.62655	4.01187	0.1171497	0.24586080	2.5235380	21	10 2.9	21.1
377626 2005 SR_{238}	15.1	X	33.85585	308.38413	356.42429	2.30426	0.1612624	0.12274054	4.0099968	21	9 26.9	20.1
377627 2005 SF_{245}	18.3	X	24.83288	161.90142	200.73757	5.69263	0.1519110	0.25280234	2.4771292	21	12 18.7	21.3
377628 2005 SO_{252}	16.3	X	10.18893	297.97823	36.41594	2.09010	0.2172339	0.18597395	3.0397274	21	10 12.1	19.5
377629 2005 SY_{265}	17.2	X	342.64762	96.03962	204.96524	11.26762	0.1843643	0.23858168	2.5746092	21	6 22.3	19.8
377630 2005 SF_{290}	17.7	X	39.73074	277.21379	24.49209	8.59964	0.1455173	0.24591018	2.5232002	21	10 16.6	20.6
377631 2005 TJ_{16}	17.7	X	321.11274	47.90263	334.52958	2.42505	0.1567152	0.24512229	2.5286041	21	9 16.3	20.0
377632 2005 TN_{25}	16.5	X	35.73211	273.95264	51.08399	0.95094	0.1494322	0.18463222	3.0544362	21	11 1.2	20.5
377633 2005 TW_{51}	17.7	X	65.37753	89.47606	223.45399	21.52998	0.0978083	0.37468138	1.9055835	21	12 19.5	20.2
377634 2005 TL_{52}	17.3	X	10.33247	101.66971	229.94150	19.07108	0.0915078	0.36930521	1.9240326	21	10 23.9	18.8
377635 2005 TA_{58}	17.3	X	75.83532	73.78415	198.79296	9.61180	0.0923289	0.24560521	2.5252885	21	10 18.0	20.6
377636 2005 TW_{62}	17.3	X	318.54125	18.13733	78.46764	1.94834	0.1302465	0.25317059	2.4747265	21	—	—
377637 2005 TV_{75}	16.8	X	344.08673	187.48185	249.82931	11.47031	0.2331229	0.25469119	2.4648667	21	—	—
377638 2005 TN_{94}	17.4	X	200.03655	289.23757	266.78695	4.13671	0.1137809	0.25322467	2.4743741	21	11 24.2	20.8
377639 2005 TN_{102}	17.5	X	306.48827	58.86276	9.60930	7.62597	0.0776525	0.24768425	2.5111373	21	11 1.6	20.5
377640 2005 TP_{124}	17.8	X	6.34060	349.41589	333.47559	1.43129	0.1097432	0.24283061	2.5444882	21	9 15.3	20.3
377641 2005 UH_{64}	17.4	X	282.51894	282.92266	147.65174	5.47817	0.1648035	0.24019252	2.5630853	21	9 16.8	20.3
377642 2005 US_{82}	17.8	X	320.85857	2.57316	37.92399	4.12378	0.0987932	0.24520121	2.5280615	21	10 18.0	20.4
377643 2005 UT_{96}	17.2	X	260.26448	266.74471	191.10229	6.11092	0.1009205	0.24176883	2.5519325	21	9 30.9	20.5
377644 2005 UM_{97}	17.3	X	296.22068	311.50295	142.14482	2.72623	0.0599172	0.24809100	2.5083919	21	11 24.7	20.2
377645 2005 UM_{107}	17.1	X	215.66042	77.60042	74.73033	5.18689	0.0611153	0.24322806	2.5417155	21	10 23.9	20.5
377646 2005 UH_{114}	17.5	X	338.23385	66.19710	334.97875	0.94192	0.1256696	0.24603982	2.5223138	21	11 18.8	20.0
377647 2005 UF_{128}	15.7	X	320.85485	59.41249	41.01579	6.72858	0.2430248	0.12496776	3.9622092	21	11 27.5	20.1
377648 2005 UD_{135}	14.6	X	309.49345	49.95315	62.64317	10.07593	0.1783534	0.12587658	3.9431148	21	11 29.6	19.5
377649 2005 UB_{136}	18.0	X	323.21797	177.28218	178.91520	2.31169	0.2406029	0.24179746	2.5517310	21	7 29.4	20.1
377650 2005 UH_{136}	17.9	X	304.87895	82.25088	24.17642	5.49934	0.1447467	0.25273330	2.4775803	21	12 21.8	20.4
377651 2005 UZ_{138}	17.8	X	321.37991	223.71752	180.42738	3.20715	0.1721265	0.24442269	2.5334269	21	10 20.5	20.0
377652 2005 UK_{147}	17.6	X	351.15491	103.40641	263.54110	2.39286	0.1868293	0.24552146	2.5258628	21	10 28.4	19.8
377653 2005 UE_{153}	16.0	X	4.06108	264.50526	47.84745	29.50817	0.0201244	0.23524610	2.5988892	21	9 11.6	20.1
377654 2005 UV_{167}	16.0	X	302.37388	126.17221	343.68747	1.95274	0.1941192	0.12540554	3.9529826	21	11 13.0	20.8
377655 2005 UL_{169}	17.7	X	342.68718	161.15635	236.92784	6.18300	0.1433947	0.24763658	2.5114596	21	11 24.7	20.0
377656 2005 UY_{175}	16.9	X	249.50392	13.13294	15.94234	4.03064	0.2308447	0.23005593	2.6378318	21	5 31.6	21.1
377657 2005 UO_{202}	17.3	X	39.47568	232.20522	89.89310	2.19323	0.1070722	0.24600489	2.5225526	21	11 7.4	20.4
377658 2005 UY_{221}	17.8	X	225.03171	119.66254	10.55301	4.32823	0.0691255	0.24241430	2.5474005	21	10 3.5	21.0
377659 2005 UG_{222}	16.2	X	89.38788	2.06360	227.55894	15.04552	0.0901994	0.23761025	2.5816217	21	8 31.0	20.1
377660 2005 UM_{225}	17.2	X	262.50077	63.26587	23.39954	10.31129	0.0436262	0.24222303	2.5487414	21	9 30.3	20.5
377661 2005 UZ_{226}	15.0	X	219.78816	118.12552	63.95322	4.34256	0.0764694	0.12393256	3.9842425	21	11 14.1	20.7
377662 2005 UZ_{231}	17.0	X	177.83968	17.50038	218.91883	5.75396	0.1001186	0.25325016	2.4742082	21	12 22.3	20.6
377663 2005 UU_{234}	17.3	X	260.91053	324.79307	149.37490	3.66963	0.1080595	0.24398640	2.5364461	21	10 24.8	20.4
377664 2005 UM_{252}	17.0	X	340.41245	157.20650	247.75899	7.25827	0.1141689	0.24797633	2.5091651	21	11 28.3	19.6
377665 2005 UX_{254}	14.8	X	324.13578	32.92498	66.98854	4.77348	0.2317462	0.12634712	3.9333189	21	12 5.2	19.0
377666 2005 UE_{260}	18.5	X	357.58748	324.77163	55.87819	4.03449	0.1084029	0.31051244	2.1598158	21	12 8.8	20.5
377667 2005 UF_{271}	17.2	X	260.92753	351.53128	57.67299	22.54755	0.0810475	0.35919992	1.9599511	21	8 15.9	19.9
377668 2005 UF_{274}	17.5	X	31.54382	48.32803	244.37788	20.17023	0.0443645	0.36466690	1.9403131	21	9 7.5	20.0
377669 2005 UM_{282}	16.5	X	91.23751	56.50050	187.91691	4.34646	0.1972240	0.24296769	2.5435310	21	10 11.5	20.4
377670 2005 UM_{287}	16.7	X	89.94550	65.56528	186.60751	8.01377	0.1370800	0.24358033	2.5392643	21	10 13.9	20.2
377671 2005 UU_{299}	17.7	X	353.04181	293.98230	48.02528	4.11437	0.2004411	0.24198951	2.5503807	21	9 26.8	19.7
377672 2005 UM_{353}	17.0	X	342.72859	353.54358	7.75023	7.65699	0.1529626	0.24281944	2.5445661	21	9 29.9	19.3
377673 2005 UG_{358}	17.6	X	285.73549	255.25669	224.17515	4.19122	0.1428301	0.25163109	2.4848100	21	12 4.9	20.0
377674 2005 UD_{369}	17.2	X	79.13458	161.45185	81.66562	6.16681	0.0703230	0.23602185	2.5931914	21	9 11.9	20.7
377675 2005 UU_{380}	15.9	X	314.58728	307.94345	159.86983	3.00037	0.1981672	0.12512159	3.9589609	21	11 30.8	20.7
377676 2005 UZ_{401}	16.9	X	109.27652	7.77987	214.41169	12.08978	0.1552840	0.23685953	2.5870738	21	9 23.9	20.9
377677 2005 UU_{404}	17.5	X	261.83632	256.84303	221.11128	14.09561	0.1217492	0.24414055	2.5353783	21	10 27.0	20.6
377678 2005 UD_{424}	15.3	X	285.21553	284.09932	217.50026	9.97516	0.2085224	0.12609868	3.9384834	21	11 25.1	20.4
377679 2005 UE_{431}	17.8	X	247.16743	108.58363	349.53935	2.00203	0.1137937	0.23850315	2.5751744	21	9 11.9	21.4
377680 2005 UM_{440}	16.0	X	356.48216	87.33507	270.17471	11.02052	0.0113223	0.24405885	2.5359441	21	10 6.3	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
377681 2005 UJ_{512}	17.1	X	257.04684	202.81578	250.61370	2.46852	0.0951089	0.23440749	2.6050840	21	9 19.5	20.6
377682 2005 VJ	17.5	X	320.34382	26.37194	25.26925	3.48628	0.1468422	0.24453318	2.5326637	21	10 29.9	19.9
377683 2005 VC_{30}	17.5	X	326.03407	287.95247	93.19897	4.05630	0.1014444	0.24017545	2.5632068	21	9 30.1	20.3
377684 2005 VE_{32}	16.5	X	321.12249	80.01017	238.62787	13.59742	0.0151660	0.22739060	2.6584043	21	6 27.5	20.1
377685 2005 VR_{41}	17.2	X	331.10535	268.18405	117.48491	4.82377	0.2042872	0.24205069	2.5499510	21	10 14.2	19.2
377686 2005 VZ_{45}	17.5	X	282.67463	21.88006	59.26706	2.63340	0.0220385	0.24391074	2.5369706	21	10 22.6	20.8
377687 2005 VH_{65}	17.2	X	202.91430	297.64288	203.40779	8.14103	0.1091428	0.23933286	2.5692192	21	9 15.5	21.0
377688 2005 VY_{67}	17.3	X	302.05676	190.34609	218.41569	16.33145	0.1090096	0.24106350	2.5569079	21	9 20.6	20.6
377689 2005 VG_{94}	17.8	X	316.72625	135.96547	251.24737	10.82429	0.2030931	0.24046746	2.5611313	21	9 1.9	20.6
377690 2005 VS_{97}	16.5	X	80.10773	283.09658	7.04801	4.69594	0.1449798	0.24719631	2.5144407	21	11 19.7	20.2
377691 2005 VG_{107}	17.3	X	4.26727	320.05278	355.80370	3.56426	0.2408955	0.24062478	2.5600148	21	9 13.9	18.9
377692 2005 VU_{112}	17.3	X	257.50000	167.21459	259.88653	6.09377	0.1098749	0.23448840	2.6044846	21	8 12.0	21.0
377693 2005 VE_{119}	17.4	X	47.29723	271.19634	142.40566	3.66676	0.1199903	0.26144554	2.4222291	21	—	—
377694 2005 VZ_{119}	16.3	X	225.99602	164.80163	284.18921	13.12388	0.1556507	0.22672208	2.6636276	21	7 29.5	20.5
377695 2005 VF_{134}	16.9	X	114.01197	350.44341	250.68188	4.63993	0.0379376	0.24217048	2.5491100	21	10 14.7	20.3
377696 2005 WF_{1}	17.2	X	6.50422	64.43844	275.49832	17.72889	0.0927365	0.37129691	1.9171459	21	10 26.2	19.2
377697 2005 WL_{1}	17.5	X	332.92634	45.60167	2.19313	20.52267	0.1048824	0.37172743	1.9156654	21	12 26.5	19.6
377698 2005 WJ_{9}	17.1	X	66.13613	48.15620	239.07709	3.88585	0.1367616	0.24284310	2.5444009	21	10 30.1	20.6
377699 2005 WG_{16}	17.1	X	281.16878	233.96475	248.77910	10.97299	0.1975601	0.24577760	2.5241075	21	11 21.5	19.8
377700 2005 WC_{18}	16.6	X	344.34333	145.14618	250.02991	8.04012	0.0813932	0.24455604	2.5325058	21	11 17.9	19.5
377701 2005 WU_{19}	17.5	X	16.79765	55.43132	287.86893	3.61469	0.1532548	0.24435198	2.5339156	21	11 6.8	20.3
377702 2005 WC_{22}	17.6	X	262.93898	150.58455	257.01336	5.16866	0.2712034	0.23378701	2.6096912	21	7 3.6	21.6
377703 2005 WW_{24}	16.8	X	39.64435	237.05862	55.22332	13.12737	0.2459241	0.23956362	2.5675691	21	10 22.9	20.0
377704 2005 WZ_{32}	17.4	X	285.84697	326.50876	60.92151	5.79436	0.1984264	0.23440425	2.6051080	21	7 16.5	20.7
377705 2005 WG_{33}	16.3	X	358.25383	61.93820	261.85961	12.46339	0.2062731	0.23682948	2.5872926	21	8 29.7	18.9
377706 2005 WD_{44}	15.9	X	319.49176	38.98218	262.67142	14.35915	0.1122138	0.22319233	2.6916373	21	5 20.8	19.2
377707 2005 WN_{54}	17.5	X	169.49796	269.20151	252.99485	18.11422	0.0818468	0.36042666	1.9555013	21	9 9.1	20.5
377708 2005 WW_{56}	17.3	X	10.01386	314.64212	27.02070	3.74483	0.2342646	0.24352286	2.5396638	21	11 5.6	19.6
377709 2005 WL_{76}	16.7	X	327.59073	322.43612	63.54255	14.43943	0.0643794	0.24013920	2.5634647	21	10 15.7	19.9
377710 2005 WL_{82}	17.6	X	32.59675	320.12042	20.09229	22.16594	0.0736641	0.37840687	1.8930556	21	12 8.8	20.0
377711 2005 WP_{88}	16.1	X	254.93220	213.56983	246.40170	11.07337	0.1439770	0.23727103	2.5840817	21	9 14.1	19.8
377712 2005 WU_{96}	17.2	X	120.90818	139.93173	103.68741	3.08027	0.1007113	0.23932833	2.5692517	21	11 1.9	21.1
377713 2005 WE_{99}	16.0	X	75.26453	15.45646	248.57499	13.46909	0.0551029	0.23615181	2.5922399	21	9 22.8	19.9
377714 2005 WK_{101}	17.5	X	294.06450	216.38946	230.12641	4.50697	0.1023108	0.24472143	2.5313647	21	11 5.6	20.2
377715 2005 WV_{101}	15.9	X	27.91142	81.66445	276.74236	2.43625	0.1780472	0.24566922	2.5248498	21	12 19.8	19.0
377716 2005 WU_{109}	17.1	X	17.31148	292.60229	76.62178	3.30340	0.1100869	0.24726615	2.5139672	21	12 8.7	20.0
377717 2005 WD_{111}	16.5	X	148.21503	333.09050	243.84765	12.22209	0.1340452	0.23988063	2.5653065	21	10 24.9	20.6
377718 2005 WE_{120}	16.2	X	235.88675	10.67998	69.46364	22.75305	0.0246063	0.23264530	2.6182224	21	8 27.1	20.3
377719 2005 WB_{122}	16.5	X	1.01906	122.73240	245.44142	10.73353	0.1785452	0.24462407	2.5320363	21	11 18.9	19.0
377720 2005 WD_{129}	16.7	X	16.74593	206.66701	63.15182	9.91324	0.1505545	0.22976480	2.6400595	21	7 21.9	19.5
377721 2005 WS_{143}	17.1	X	333.17012	285.91017	74.74361	13.49540	0.2265045	0.23942166	2.5685839	21	9 13.1	19.5
377722 2005 WC_{148}	17.2	X	302.98543	113.24779	316.79232	11.03339	0.2719064	0.24360548	2.5390896	21	9 28.2	19.7
377723 2005 WJ_{150}	15.1	X	343.02312	50.71481	26.61321	10.87231	0.2534107	0.12569353	3.9469422	21	12 14.4	19.3
377724 2005 WZ_{162}	17.2	X	277.95533	349.09043	86.84527	6.81843	0.2456695	0.23572075	2.5953993	21	9 5.7	20.5
377725 2005 WL_{177}	16.6	X	315.99474	98.81622	295.09439	6.36113	0.1580869	0.23738517	2.5832533	21	9 18.7	19.3
377726 2005 WR_{179}	16.6	X	228.07449	170.18939	314.45555	8.45730	0.1094903	0.23868268	2.5738828	21	9 20.5	20.4
377727 2005 WR_{180}	17.8	X	246.54023	60.36019	69.49257	22.73458	0.0986424	0.37038537	1.9202901	21	11 22.0	19.2
377728 2005 WQ_{183}	16.7	X	277.65479	15.53499	52.77625	14.53886	0.0888268	0.23849646	2.5752225	21	9 25.5	20.2
377729 2005 WQ_{211}	17.2	X	244.66626	240.12551	240.48183	6.15864	0.0968214	0.23864819	2.5741309	21	10 8.9	20.7
377730 2005 XF_{1}	17.3	X	331.28490	104.98572	259.08347	20.22801	0.1189234	0.36449216	1.9409332	21	9 16.4	19.3
377731 2005 XR_{3}	17.2	X	302.20565	9.08181	77.14980	5.53561	0.2283695	0.24370270	2.5384142	21	11 6.5	19.3
377732 2005 XJ_{8}	17.0	X	256.73122	67.31560	115.94562	23.57738	0.6214702	0.36755820	1.9301244	21	11 26.9	19.4
377733 2005 XQ_{15}	17.6	X	313.04464	196.21003	227.55312	1.83844	0.0374128	0.24366769	2.5386573	21	11 9.0	20.7
377734 2005 XB_{20}	16.1	X	302.31641	137.31347	273.84532	14.09971	0.0582291	0.23887329	2.5725134	21	9 26.1	19.6
377735 2005 XH_{21}	15.6	X	38.02895	254.24720	62.65690	12.42183	0.2252341	0.24189748	2.5510276	21	11 16.6	18.7
377736 2005 XX_{21}	16.7	X	255.11510	127.49703	9.59340	4.03645	0.1736121	0.24372810	2.5382379	21	11 3.6	19.8
377737 2005 XZ_{25}	16.7	X	333.58339	303.50652	73.69255	11.51636	0.2348695	0.24108956	2.5567236	21	10 10.5	18.8
377738 2005 XW_{28}	16.7	X	218.34706	222.20375	255.93406	16.21286	0.1602714	0.23426825	2.6061161	21	8 22.1	21.2
377739 2005 XB_{33}	16.9	X	359.84965	237.80015	90.01193	7.81649	0.1262508	0.23615972	2.5921820	21	9 16.1	19.7
377740 2005 XY_{36}	17.0	X	283.35570	51.69205	332.57488	3.17655	0.0745107	0.22854000	2.6494836	21	7 28.2	20.3
377741 2005 XZ_{52}	16.6	X	347.74658	287.20387	78.35562	17.42434	0.2083570	0.24008018	2.5638848	21	10 29.2	19.1
377742 2005 XG_{61}	17.4	X	47.54853	247.22166	49.32536	1.86553	0.1746560	0.24020867	2.5629705	21	10 24.7	20.4
377743 2005 XF_{62}	16.1	X	314.10040	287.53884	93.25317	22.69112	0.0812914	0.23506084	2.6002545	21	9 20.1	19.8
377744 2005 XM_{68}	17.7	X	183.81036	111.06161	21.05670	2.42414	0.0845120	0.23044100	2.6348924	21	8 17.6	21.5
377745 2005 XY_{77}	16.1	X	292.91839	24.51717	56.89330	36.67234	0.3075324	0.23690141	2.5867688	21	10 19.5	19.5
377746 2005 XV_{81}	18.0	X	256.88939	169.66014	310.15523	1.16845	0.1667836	0.23974535	2.5662714	21	10 14.9	21.2
377747 2005 XN_{105}	17.2	X	312.20178	276.38689	103.45421	3.04896	0.0898618	0.22859652	2.6490469	21	9 2.9	20.4
377748 2005 XA_{118}	16.1	X	4.58249	352.95525	300.19720	13.37881	0.1193698	0.22296525	2.6934645	21	7 28.4	18.9
377749 2005 YV_{5}	17.0	X	344.52173	293.59098	79.13221	5.96559	0.2677185	0.24313902	2.5423360	21	10 31.4	18.6
377750 2005 YA_{13}	17.6	X	275.40866	346.61452	106.15138	2.61321	0.1330369	0.23717169	2.5848032	21	10 11.7	20.8
377751 2005 YT_{14}	17.1	X	294.69270	83.40008	299.31624	5.04985	0.0658774	0.22728977	2.6591905	21	8 11.4	20.5
377752 2005 YG_{15}	16.2	X	32.72842	311.91494	298.80000	13.62478	0.1017229	0.21811396	2.7332566	21	7 16.4	19.2
377753 2005 YM_{15}	16.8	X	295.47486	140.54874	288.21721	10.79303	0.2857218	0.23809935	2.5780851	21	9 7.2	19.7
377754 2005 YQ_{16}	17.2	X	325.58193	138.67949	252.17508	0.80225	0.2510678	0.23824173	2.5770578	21	9 30.7	19.0
377755 2005 YG_{25}	18.0	X	255.28457	172.37877	283.57721	3.42150	0.1906835	0.23369496	2.6103765	21	9 5.9	21.6
377756 2005 YX_{32}	17.4	X	239.43898	195.82583	255.77935	1.94541	0.0694571	0.22912470	2.6449742	21	8 28.9	21.0
377757 2005 YL_{33}	17.3	X	320.56401	152.47310	254.49013	1.48566	0.1367906	0.23886544	2.5725698	21	10 22.5	20.0
377758 2005 YT_{47}	16.6	X	299.95366	340.26095	91.34640	10.25627	0.1656289	0.23916285	2.5704366	21	10 22.5	19.5
377759 2005 YF_{48}	17.0	X	310.56332	273.82767	111.34753	3.44879	0.1980680	0.23350390	2.6118002	21	8 24.7	19.5
377760 2005 YN_{55}	17.3	X	348.32520	255.11014	91.20243	4.68379	0.1531631	0.23929000	2.5695260	21	9 21.0	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
377761 2005 YO_{60}	17.3	X	178.08752	205.39950	319.66528	4.51842	0.1503539	0.22906940	2.6453999	21	9 18.3	21.6
377762 2005 YQ_{60}	15.5	X	1.95056	355.64306	92.68081	5.49897	0.2612733	0.12432488	3.9758563	21	—	—
377763 2005 YH_{70}	16.3	X	324.60342	230.13609	90.76742	6.45587	0.0318285	0.22125977	2.7072877	21	7 5.7	19.6
377764 2005 YK_{79}	17.2	X	234.47508	134.88832	295.64628	0.67912	0.0435352	0.22599202	2.6693610	21	7 29.5	20.8
377765 2005 YH_{87}	17.4	X	231.36946	167.29531	291.37280	1.93134	0.0575719	0.22980439	2.6397563	21	8 30.0	21.0
377766 2005 YK_{114}	17.1	X	154.64008	53.27967	75.58969	4.03559	0.0264850	0.22031558	2.7150172	21	7 7.7	20.8
377767 2005 YX_{118}	17.0	X	302.07505	156.77488	266.28077	2.75621	0.1830427	0.23874032	2.5734686	21	10 4.1	19.5
377768 2005 YC_{124}	16.4	X	13.56734	275.00024	102.32685	9.07702	0.2798045	0.24500570	2.5294063	21	—	—
377769 2005 YN_{129}	17.4	X	228.45608	24.79958	91.40239	3.55434	0.0675501	0.23324180	2.6137565	21	9 20.4	21.0
377770 2005 YQ_{130}	16.8	X	267.35116	318.69580	104.86957	7.95225	0.1027701	0.23090246	2.6313806	21	8 26.5	20.3
377771 2005 YR_{135}	17.1	X	176.38107	65.38088	58.79964	3.43557	0.0458565	0.22447554	2.6813697	21	7 30.0	20.9
377772 2005 YV_{160}	16.7	X	141.93242	29.85525	122.68265	11.92728	0.1093766	0.22203074	2.7010170	21	7 29.2	20.7
377773 2005 YO_{168}	17.1	X	282.58835	177.49506	253.37334	4.03463	0.2027614	0.23594788	2.5937334	21	9 6.8	20.2
377774 2005 YO_{171}	16.8	X	320.45625	37.24273	22.63017	12.98789	0.2890366	0.24230406	2.5481731	21	10 31.3	18.4
377775 2005 YR_{178}	17.0	X	137.45556	78.64781	60.26160	4.56737	0.0314146	0.21930895	2.7233188	21	6 29.5	20.7
377776 2005 YG_{185}	16.4	X	278.90828	286.33780	119.21088	13.65293	0.1790357	0.23048911	2.6345257	21	8 3.6	19.9
377777 2005 YA_{186}	16.8	X	222.73683	277.25881	119.02169	12.19859	0.0152005	0.21492509	2.7602260	21	6 3.8	20.8
377778 2005 YS_{200}	16.6	X	290.89193	216.47163	112.40375	5.28363	0.0472929	0.21654237	2.7464653	21	5 28.5	20.2
377779 2005 YG_{211}	15.9	X	168.39068	238.21161	283.28255	11.67078	0.2037717	0.22198164	2.7014152	21	8 31.1	20.7
377780 2005 YQ_{218}	16.8	X	201.19278	96.70854	77.08458	6.23193	0.1325144	0.23502576	2.6005132	21	10 26.9	20.7
377781 2005 YU_{224}	16.8	X	17.43856	337.45143	293.22870	5.89488	0.0893353	0.22452782	2.6809535	21	7 17.5	19.7
377782 2005 YD_{228}	16.7	X	87.77537	224.53908	326.59282	6.73821	0.0745080	0.21881440	2.7274206	21	7 12.2	20.4
377783 2005 YC_{251}	17.5	X	223.53260	296.41065	151.21681	4.04492	0.0679990	0.22572532	2.6714632	21	8 4.5	21.1
377784 2005 YL_{263}	17.5	X	239.12193	98.98831	347.66756	3.26577	0.0411055	0.22888971	2.6467842	21	8 27.3	21.0
377785 2005 YL_{271}	16.9	X	99.02817	54.91940	145.03116	5.34530	0.0550430	0.22129873	2.7069700	21	8 3.6	20.7
377786 2005 YD_{272}	17.5	X	329.34384	359.55686	349.12999	2.43014	0.0330350	0.22614730	2.6681390	21	8 20.7	20.9
377787 2005 YK_{287}	16.9	X	233.66804	123.68498	319.10512	10.41010	0.1463588	0.22806400	2.6531689	21	8 2.8	20.9
377788 2006 AB_{1}	17.1	X	309.02039	245.52527	159.21866	1.99314	0.1923204	0.23637452	2.5906115	21	9 20.8	19.6
377789 2006 AV_{11}	17.2	X	330.54292	67.33309	276.72549	3.62107	0.3631595	0.23570028	2.5955495	21	7 5.1	18.5
377790 2006 AF_{15}	16.3	X	333.11070	20.49328	292.37094	6.60165	0.0145813	0.21961948	2.7207511	21	7 8.3	19.8
377791 2006 AW_{20}	16.3	X	279.21959	314.36331	91.92764	15.36832	0.1495884	0.23045753	2.6347664	21	8 12.9	19.9
377792 2006 AY_{21}	16.4	X	272.46160	67.22399	43.01884	13.44724	0.1987188	0.23659364	2.5890116	21	10 21.7	19.6
377793 2006 AY_{23}	16.7	X	220.84089	105.08024	314.73711	7.90907	0.3451596	0.22392521	2.6857612	21	6 8.8	21.8
377794 2006 AM_{25}	17.5	X	298.75391	63.64737	300.15431	4.51976	0.0853572	0.22686949	2.6624737	21	7 20.1	20.8
377795 2006 AM_{27}	17.4	X	171.26235	279.16038	217.27587	2.41268	0.0395275	0.22355140	2.6887543	21	8 7.0	21.1
377796 2006 AW_{32}	16.8	X	198.51354	56.71313	65.39965	13.78595	0.2187074	0.22458875	2.6804686	21	8 18.5	21.6
377797 2006 AQ_{35}	16.7	X	113.77919	81.29794	123.08028	6.50294	0.1253607	0.22277682	2.6949831	21	9 6.9	20.7
377798 2006 AP_{42}	17.4	X	196.44967	328.47014	187.95263	2.10295	0.1415229	0.23013646	2.6372164	21	9 27.1	21.4
377799 2006 AJ_{55}	16.4	X	33.98996	4.15414	265.10974	5.99508	0.0591141	0.22293373	2.6937184	21	8 6.1	19.8
377800 2006 AZ_{57}	15.9	X	343.00046	6.39217	292.19298	8.23707	0.1608489	0.21708495	2.7418872	21	6 23.2	18.8
377801 2006 AN_{62}	17.1	X	294.52663	303.76895	78.00738	4.35438	0.0977753	0.22842198	2.6503961	21	8 7.5	20.3
377802 2006 AG_{67}	17.2	X	250.63877	279.52455	143.41750	5.79754	0.1744264	0.22791393	2.6543334	21	7 22.0	21.2
377803 2006 AH_{67}	17.4	X	242.27390	330.60299	157.52085	4.55558	0.1646846	0.23536659	2.5980022	21	10 9.4	21.0
377804 2006 AW_{70}	17.1	X	155.06238	265.69220	290.65891	2.28830	0.1123579	0.22902516	2.6457405	21	10 5.7	21.1
377805 2006 AL_{72}	16.9	X	159.21058	263.91422	284.88352	4.13516	0.1111114	0.22898684	2.6460357	21	9 29.4	21.1
377806 2006 AN_{77}	16.5	X	37.18128	266.10884	295.69677	6.40906	0.0885284	0.20927023	2.8097289	21	5 11.9	20.0
377807 2006 AG_{82}	16.3	X	332.25432	252.92094	118.60777	14.31542	0.1874099	0.23902167	2.5714487	21	9 28.8	18.9
377808 2006 AN_{102}	16.1	X	240.67579	281.72979	339.57350	10.66996	0.2928508	0.18070877	3.0984885	21	—	—
377809 2006 BX_{4}	16.7	X	255.89692	62.20323	292.54989	4.81215	0.0714761	0.21561628	2.7543239	21	5 11.5	20.7
377810 2006 BN_{9}	17.2	X	262.29943	297.20415	163.00538	3.56024	0.1060283	0.23522403	2.5990518	21	10 6.4	20.4
377811 2006 BM_{12}	16.6	X	228.40404	326.04946	140.30392	14.61756	0.2145035	0.22636103	2.6664592	21	8 20.6	20.8
377812 2006 BH_{13}	16.3	X	192.37639	181.32478	295.02370	9.57919	0.0714506	0.22413182	2.6841104	21	8 4.4	20.1
377813 2006 BO_{15}	17.1	X	334.92078	237.90202	125.67904	3.07080	0.1887240	0.23330586	2.6132780	21	9 15.1	19.2
377814 2006 BB_{31}	17.5	X	271.95234	131.95908	334.36311	3.15344	0.2258525	0.23692188	2.5866198	21	10 7.3	20.6
377815 2006 BA_{37}	16.7	X	227.80849	338.73904	127.42613	5.32060	0.1015117	0.22586484	2.6703630	21	9 1.0	20.6
377816 2006 BE_{51}	17.3	X	239.37822	95.43093	3.78194	1.77557	0.1655146	0.22916845	2.6446375	21	8 28.0	21.1
377817 2006 BD_{68}	17.3	X	294.20981	65.92134	330.00356	5.12540	0.2441210	0.23190308	2.6238059	21	8 2.3	20.4
377818 2006 BN_{74}	16.5	X	273.98720	266.90830	98.94283	6.77523	0.0324760	0.21750104	2.7383891	21	6 25.8	20.0
377819 2006 BB_{75}	16.8	X	96.15011	137.39196	38.70981	3.11009	0.0175786	0.21575859	2.7531127	21	6 23.3	20.6
377820 2006 BP_{80}	16.5	X	268.15473	11.83015	13.50209	6.25609	0.0427369	0.21660803	2.7459103	21	7 14.1	20.3
377821 2006 BZ_{84}	17.4	X	301.12981	73.84814	339.45897	2.52298	0.2602162	0.23557719	2.5964536	21	9 5.8	19.8
377822 2006 BM_{85}	17.2	X	280.96414	28.85364	5.27699	1.73789	0.2160597	0.22811119	2.6528029	21	7 15.5	20.5
377823 2006 BS_{86}	16.6	X	62.62678	76.85004	116.68999	5.39714	0.0126971	0.21277247	2.7788115	21	6 1.5	20.4
377824 2006 BA_{94}	16.9	X	240.60611	121.05513	312.19454	3.65236	0.0538141	0.22138789	2.7062431	21	8 8.5	20.6
377825 2006 BW_{99}	16.9	X	184.77781	62.11791	60.83719	12.20121	0.1513874	0.22340363	2.6899398	21	8 8.0	21.4
377826 2006 BA_{101}	17.3	X	253.60250	128.10479	347.37122	3.92865	0.1935035	0.23449843	2.6044104	21	9 30.2	20.9
377827 2006 BM_{102}	16.9	X	179.73126	322.04932	174.97128	3.02947	0.0370810	0.22242153	2.6978523	21	8 18.5	20.7
377828 2006 BC_{104}	16.9	X	300.46237	303.05654	96.69694	4.81150	0.1064460	0.23502775	2.6004986	21	9 11.9	20.0
377829 2006 BL_{109}	16.8	X	193.70882	4.25775	124.00600	10.70213	0.1465420	0.22459881	2.6803885	21	8 20.9	21.1
377830 2006 BD_{111}	16.7	X	313.83198	242.70143	62.13032	2.88847	0.0742721	0.21267656	2.7796469	21	5 23.5	20.3
377831 2006 BU_{112}	16.5	X	174.04052	73.54875	104.80164	4.11621	0.0542700	0.22901821	2.6457941	21	10 7.5	20.3
377832 2006 BR_{113}	17.4	X	222.81366	340.41016	106.50847	3.29957	0.1777277	0.22475224	2.6791685	21	7 24.4	21.7
377833 2006 BY_{116}	16.7	X	93.91637	33.64443	152.04109	5.62408	0.0871917	0.21388993	2.7691245	21	7 13.2	20.6
377834 2006 BT_{119}	16.5	X	259.11358	66.25895	304.56318	6.74922	0.2362885	0.21710870	2.7416871	21	5 16.6	20.9
377835 2006 BU_{120}	16.6	X	185.18221	199.73540	281.89724	3.99061	0.1111159	0.22083373	2.7107686	21	8 2.7	20.9
377836 2006 BS_{122}	16.7	X	0.52080	308.75747	328.66500	2.97105	0.0612895	0.21320240	2.7750746	21	6 28.3	20.0
377837 2006 BL_{125}	16.5	X	269.46164	10.88733	343.32892	6.49467	0.0349374	0.21157699	2.7892692	21	6 2.6	20.5
377838 2006 BL_{142}	16.7	X	192.83093	130.84397	334.52746	4.39707	0.1200939	0.21963141	2.7206525	21	7 22.0	20.9
377839 2006 BQ_{142}	16.4	X	77.89860	40.71269	139.84062	5.24962	0.1304303	0.21070991	2.7969159	21	6 22.3	20.1
377840 2006 BU_{148}	15.6	X	306.72368	212.64440	137.58527	16.54358	0.1151429	0.22156005	2.7048411	21	7 8.6	19.1

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
377841	2006 BG_{152}	16.7	X	206.63177	330.03154	120.02371	7.09015	0.1060924	0.22076576	2.7113250	21	7 16.4	20.6
377842	2006 BC_{166}	16.8	X	328.53956	313.81424	139.78628	5.39182	0.1328165	0.24296789	2.5435296	21	—	—
377843	2006 BL_{167}	17.2	X	306.83018	298.32417	137.10181	5.03788	0.2446457	0.23836993	2.5761337	21	10 28.6	19.3
377844	2006 BR_{169}	13.9	X	218.46672	242.04983	157.07268	11.51755	0.0503906	0.08233370	5.2330025	21	6 4.0	21.1
377845	2006 BV_{173}	16.3	X	321.52791	330.13967	79.90221	10.55994	0.0554100	0.24201884	2.5501747	21	11 5.6	19.4
377846	2006 BP_{174}	16.3	X	296.61591	221.08363	95.39538	7.11947	0.0619384	0.21233617	2.7826167	21	5 18.3	20.0
377847	2006 BF_{178}	17.2	X	356.18779	308.67552	334.51672	4.21457	0.0818305	0.21683004	2.7440357	21	6 29.3	20.4
377848	2006 BX_{197}	16.6	X	358.74052	17.94121	266.76306	2.84290	0.0289959	0.21553610	2.7550069	21	7 5.5	19.9
377849	2006 BB_{198}	16.3	X	195.50310	2.14923	302.05685	7.58205	0.0843216	0.18918109	3.0052751	21	1 9.7	20.8
377850	2006 BU_{198}	16.0	X	134.52036	190.55236	341.05183	8.91276	0.2211463	0.21755121	2.7379680	21	8 22.5	20.6
377851	2006 BQ_{199}	14.2	X	101.93852	155.65488	12.23960	1.70882	0.0904776	0.08227218	5.2356112	21	7 1.5	21.2
377852	2006 BU_{199}	17.0	X	166.24413	308.13615	145.45500	4.99546	0.0377309	0.21059289	2.7979519	21	6 6.6	21.0
377853	2006 BL_{200}	16.6	X	100.17309	117.22738	92.44665	3.87156	0.1143373	0.22071607	2.7117319	21	8 27.8	20.4
377854	2006 BF_{204}	16.9	X	271.65476	295.11103	108.38821	3.67776	0.1349448	0.22526654	2.6750891	21	7 28.3	20.4
377855	2006 BP_{211}	16.6	X	216.86240	265.66703	141.82483	6.47716	0.0943877	0.21281419	2.7784483	21	6 4.5	20.9
377856	2006 BG_{216}	16.1	X	185.89877	235.44157	250.21019	13.36448	0.1131111	0.22331951	2.6906153	21	8 4.1	20.5
377857	2006 BP_{221}	16.5	X	281.01081	67.26857	309.36761	5.49154	0.0548755	0.22044328	2.7139686	21	7 17.1	19.9
377858	2006 BS_{223}	16.4	X	109.77426	198.28852	322.74020	8.16186	0.0535631	0.21393550	2.7687313	21	6 27.1	20.3
377859	2006 BJ_{232}	16.5	X	264.54176	271.63539	100.22516	6.47082	0.0712198	0.21812440	2.7331694	21	6 15.6	20.1
377860	2006 BC_{238}	17.2	X	285.72295	28.13961	349.24963	4.82650	0.0542446	0.22243147	2.6977719	21	7 25.7	20.6
377861	2006 BB_{242}	17.3	X	221.60896	25.86544	58.46246	2.53817	0.0730839	0.22204874	2.7008710	21	7 29.4	21.1
377862	2006 BV_{244}	16.9	X	274.82351	327.14471	104.54405	3.30141	0.1543425	0.23066520	2.6331848	21	9 7.8	20.2
377863	2006 BC_{251}	17.0	X	257.24603	269.79725	151.32776	6.73113	0.0979869	0.22683794	2.6627205	21	8 6.9	20.6
377864	2006 BZ_{254}	16.9	X	108.41170	5.37114	158.86644	3.81067	0.0284710	0.21425985	2.7659364	21	6 25.2	20.6
377865	2006 BK_{259}	17.0	X	168.38584	22.09794	124.64003	3.92198	0.0612399	0.22045052	2.7139091	21	8 18.7	20.9
377866	2006 BS_{277}	17.1	X	204.57214	270.57893	162.86085	2.87608	0.1076056	0.21577723	2.7529541	21	6 22.8	21.4
377867	2006 BE_{284}	14.2	X	322.81517	318.60641	353.10581	8.24656	0.0530555	0.08278641	5.2139080	21	6 20.8	21.0
377868	2006 CG_{21}	15.8	X	96.33690	140.46836	59.04989	16.13793	0.2380445	0.21280692	2.7785116	21	8 31.3	20.5
377869	2006 CQ_{21}	15.9	X	157.38000	110.44500	68.47433	17.31577	0.3060702	0.22114708	2.7082073	21	9 28.1	21.2
377870	2006 CN_{23}	17.2	X	240.29855	347.64847	125.68737	1.94879	0.0601470	0.23368311	2.6104647	21	10 1.6	20.8
377871	2006 CU_{40}	17.1	X	239.88179	49.71822	10.70315	6.89507	0.0576949	0.21774565	2.7363379	21	7 22.9	21.0
377872	2006 CB_{47}	17.0	X	168.25594	183.53793	355.05464	4.16699	0.1063119	0.22745487	2.6579036	21	9 27.5	21.0
377873	2006 CL_{54}	17.1	X	149.90542	24.29726	126.18578	4.40282	0.0374204	0.22086982	2.7104733	21	7 31.2	20.9
377874	2006 CY_{68}	17.1	X	256.30445	22.28533	41.61802	3.46519	0.0239137	0.22275839	2.6951317	21	8 22.8	20.8
377875	2006 DV_{8}	16.5	X	120.50337	96.03925	64.02513	9.03629	0.1948755	0.21398732	2.7682843	21	7 25.2	21.0
377876	2006 DB_{18}	16.8	X	282.51324	9.50309	17.07884	6.12885	0.0575388	0.22096527	2.7096926	21	8 3.4	20.5
377877	2006 DW_{18}	16.6	X	305.63193	209.36788	123.29426	5.18794	0.0798889	0.21464444	2.7626314	21	6 17.9	20.1
377878	2006 DQ_{19}	16.0	X	121.96298	167.10508	340.29172	13.25497	0.0243580	0.21346576	2.7727917	21	6 20.4	20.1
377879	2006 DJ_{20}	16.8	X	302.56886	354.92629	6.01860	4.24667	0.0715543	0.22021056	2.7158803	21	7 24.9	20.3
377880	2006 DM_{25}	17.0	X	184.34992	320.94429	128.01183	0.72515	0.0411528	0.21342697	2.7731276	21	6 21.9	21.0
377881	2006 DK_{32}	16.5	X	156.72520	320.10757	168.07063	4.87045	0.1804675	0.21532099	2.7568416	21	7 15.2	21.0
377882	2006 DL_{36}	16.3	X	122.89733	160.23775	353.70342	9.03289	0.0949107	0.21108539	2.7935981	21	7 9.9	20.5
377883	2006 DY_{36}	17.1	X	254.92048	98.91206	349.43269	4.18545	0.2305304	0.22666713	2.6640580	21	8 23.2	21.1
377884	2006 DH_{39}	16.5	X	196.37216	271.32343	156.20663	4.11840	0.0813306	0.20983814	2.8046570	21	6 7.9	20.7
377885	2006 DJ_{42}	18.6	X	224.20493	311.50052	202.05876	2.21329	0.1293422	0.29887526	2.2155220	21	11 2.4	21.1
377886	2006 DO_{43}	17.4	X	272.23835	41.92876	1.60734	2.74439	0.1842430	0.22401579	2.6850371	21	7 21.9	21.1
377887	2006 DA_{49}	16.9	X	105.66464	26.99442	151.14996	3.99066	0.0271552	0.21362887	2.7713801	21	7 9.8	20.7
377888	2006 DN_{56}	16.5	X	234.21085	320.92883	36.79270	5.71401	0.1231944	0.20575294	2.8416594	21	4 18.7	20.8
377889	2006 DD_{67}	16.4	X	275.04177	226.76589	267.18537	12.08415	0.1598065	0.23771999	2.5808272	21	11 30.6	19.5
377890	2006 DN_{68}	16.2	X	158.22550	82.21553	75.40708	3.72197	0.2753373	0.21869965	2.7283745	21	8 26.2	21.1
377891	2006 DF_{69}	16.7	X	234.99403	110.58393	352.49739	5.08167	0.1301557	0.22698507	2.6615698	21	9 1.5	20.6
377892	2006 DK_{74}	17.1	X	214.34439	62.87955	58.37874	0.70716	0.0815555	0.22697796	2.6616253	21	9 6.4	20.8
377893	2006 DB_{76}	16.6	X	231.16722	241.80435	144.80581	6.28350	0.0727397	0.21084519	2.7957194	21	5 26.7	20.7
377894	2006 DZ_{78}	16.7	X	220.14148	131.46830	336.15755	8.28612	0.2164713	0.22444141	2.6816415	21	8 14.9	20.9
377895	2006 DT_{87}	16.7	X	51.42200	119.57532	72.05416	3.07273	0.0127486	0.20489587	2.8495782	21	5 14.7	20.6
377896	2006 DD_{89}	16.7	X	301.52232	330.39961	353.72900	5.80614	0.0573489	0.20899403	2.8122038	21	6 2.5	20.5
377897	2006 DZ_{92}	16.9	X	248.16089	261.36504	172.99195	4.71657	0.1991126	0.22217031	2.6998857	21	7 30.6	21.0
377898	2006 DJ_{94}	15.8	X	199.64569	95.90968	181.08886	24.01383	0.2792032	0.17456527	3.1707657	21	—	—
377899	2006 DD_{106}	16.7	X	209.83070	273.70934	155.30708	5.61047	0.0430144	0.21288693	2.7778154	21	6 26.4	20.7
377900	2006 DQ_{106}	16.9	X	318.08479	314.27396	359.37828	7.20275	0.0259470	0.21008075	2.8024973	21	6 16.7	20.7
377901	2006 DN_{108}	15.6	X	218.74085	285.41315	351.68537	23.10745	0.4112111	0.17643759	3.1482942	21	1 4.5	22.1
377902	2006 DR_{117}	16.4	X	324.12042	301.31304	20.94356	6.56952	0.0093675	0.21102932	2.7940929	21	7 9.9	20.2
377903	2006 DR_{118}	13.8	X	217.66989	57.38977	1.48690	25.31067	0.0820791	0.08256554	5.2232022	21	6 21.6	21.3
377904	2006 DW_{120}	16.4	X	138.90077	191.15795	351.17057	13.73281	0.1290092	0.22166761	2.7039660	21	9 4.8	20.5
377905	2006 DL_{150}	16.7	X	226.40406	209.56877	213.63503	2.93330	0.0852919	0.21521951	2.7577081	21	7 4.8	20.9
377906	2006 DZ_{163}	16.5	X	199.93246	97.29745	332.48252	5.82228	0.0123784	0.21143557	2.7905128	21	6 16.6	20.4
377907	2006 DL_{167}	16.5	X	247.78825	351.39892	41.18497	4.84557	0.1206413	0.21382684	2.7696692	21	6 15.6	20.5
377908	2006 DQ_{174}	16.7	X	266.33815	233.14274	136.91775	4.31794	0.1082255	0.21218878	2.7839052	21	6 10.6	20.6
377909	2006 DE_{200}	17.1	X	246.82730	242.69214	252.91406	4.85780	0.3050454	0.23435700	2.6054581	21	10 2.3	21.2
377910	2006 DB_{206}	17.1	X	251.66332	278.48174	140.86721	2.69434	0.1109285	0.22075858	2.7113837	21	7 26.9	20.8
377911	2006 DU_{214}	17.1	X	187.51056	248.24300	204.96223	3.56941	0.0713530	0.21267154	2.7796906	21	6 30.5	21.2
377912	2006 DX_{214}	17.1	X	235.41396	302.98163	182.30025	3.84787	0.1867649	0.23097478	2.6308314	21	9 23.3	20.7
377913	2006 EG_{3}	16.6	X	281.33758	224.35612	119.07593	3.37625	0.0828679	0.21133033	2.7914391	21	5 29.5	20.3
377914	2006 EP_{7}	16.8	X	234.63594	160.37794	319.98115	3.51648	0.2525796	0.22934337	2.6432927	21	9 8.2	21.0
377915	2006 EO_{10}	16.7	X	98.41671	174.15075	18.83169	4.12375	0.0368576	0.21332237	2.7740340	21	7 23.2	20.5
377916	2006 EH_{14}	16.7	X	182.20777	295.25283	171.04701	3.59508	0.0488698	0.21385182	2.7694535	21	7 11.6	20.7
377917	2006 EX_{18}	16.9	X	128.12360	177.84774	353.03286	4.82796	0.0180563	0.21425814	2.7659511	21	7 30.1	20.7
377918	2006 ET_{21}	17.0	X	237.11755	49.28406	17.73225	1.91424	0.0632736	0.21953498	2.7214492	21	7 26.1	20.7
377919	2006 EA_{36}	16.1	X	149.70125	354.48285	132.38718	5.28210	0.0117420	0.21271587	2.7793045	21	6 27.4	19.9
377920	2006 EF_{38}	16.7	X	261.99572	294.10598	12.23376	6.17285	0.2239624	0.19638385	2.9313356	21	3 8.1	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
377921 2006 EJ_{39}	16.0	X	227.06383	307.37942	343.74665	10.72358	0.1144054	0.18748295	3.0233948	21	1 27.3	20.8
377922 2006 EN_{45}	16.8	X	170.92734	242.83944	277.39155	3.94253	0.1386705	0.22390547	2.6859190	21	9 4.9	21.1
377923 2006 EZ_{52}	16.3	X	184.68984	128.21998	175.93807	22.95841	0.1282936	0.18132736	3.0914376	21	1 1.4	21.6
377924 2006 EX_{72}	16.6	X	185.49325	75.52904	26.39677	3.91525	0.1161380	0.21302625	2.7766042	21	7 9.9	20.9
377925 2006 FQ_{3}	16.3	X	147.25750	108.12213	19.98067	9.00588	0.0631071	0.20916652	2.8106576	21	6 30.5	20.5
377926 2006 FK_{18}	16.0	X	277.67190	256.07299	29.92563	13.94169	0.1696164	0.18998235	2.9968193	21	3 9.6	20.7
377927 2006 FZ_{36}	15.0	X	216.79191	224.45451	61.93695	19.81919	0.3390670	0.17622185	3.1508631	21	1 10.2	21.1
377928 2006 GR_{10}	16.3	X	323.34413	237.44866	26.68103	12.88449	0.1269737	0.19776197	2.9177015	21	4 8.3	19.9
377929 2006 GV_{21}	16.3	X	29.88691	205.09990	64.00835	5.33534	0.0134247	0.21002780	2.8029684	21	7 29.3	20.0
377930 2006 GE_{22}	16.3	X	225.44570	118.61317	177.81708	7.96214	0.1440893	0.18228349	3.0806178	21	1 27.7	21.3
377931 2006 GX_{25}	16.3	X	219.35278	139.36739	199.74103	10.62571	0.0694399	0.19070396	2.9892546	21	3 13.7	20.9
377932 2006 GM_{32}	16.6	X	188.19223	349.76766	135.21736	5.77613	0.0793978	0.21646700	2.7471029	21	8 11.9	20.7
377933 2006 GP_{39}	15.7	X	256.71088	113.67048	134.71089	13.20438	0.2162444	0.18126328	3.0921662	21	—	—
377934 2006 GO_{54}	16.2	X	225.45687	208.03273	100.24838	2.85515	0.1070253	0.18456229	3.0552077	21	2 13.5	21.0
377935 2006 HY_{15}	17.0	X	237.10494	20.35134	141.24067	2.85329	0.1386590	0.23016284	2.6370149	21	11 17.4	20.6
377936 2006 HZ_{30}	15.9	X	225.58414	82.03977	212.16838	13.98821	0.1229358	0.18124753	3.0923453	21	1 23.8	21.1
377937 2006 HU_{40}	15.0	X	169.79433	279.97687	77.11020	25.26044	0.4009065	0.17638664	3.1489004	21	3 14.8	21.4
377938 2006 HB_{58}	16.1	X	135.65337	75.40019	87.29004	10.04319	0.1565785	0.21005915	2.8026894	21	8 9.7	20.6
377939 2006 HP_{58}	18.4	X	226.74847	302.33247	221.37374	19.44627	0.1222978	0.42319759	1.7570088	21	12 18.3	19.9
377940 2006 HT_{59}	15.9	X	340.91305	190.16446	69.28314	13.55217	0.1481642	0.19679402	2.9272611	21	4 30.4	19.4
377941 2006 HZ_{63}	16.7	X	150.69124	319.50082	111.58956	2.79939	0.0394971	0.19482647	2.9469362	21	4 21.5	20.9
377942 2006 HT_{76}	16.4	X	314.30096	95.23692	132.82359	12.72831	0.0532494	0.18503150	3.0500405	21	2 21.7	20.6
377943 2006 HR_{84}	15.9	X	193.50935	88.13093	218.54394	15.08101	0.1051652	0.17579588	3.1559510	21	1 10.1	21.1
377944 2006 HX_{86}	16.5	X	209.58207	341.95332	91.99430	2.90997	0.0541380	0.20970066	2.8058828	21	7 2.0	20.6
377945 2006 HH_{89}	16.1	X	247.06063	46.85559	213.15458	30.02588	0.3320515	0.17701881	3.1413991	21	—	—
377946 2006 HZ_{90}	16.0	X	242.65362	266.96726	78.03438	11.45521	0.1090038	0.19316718	2.9637882	21	4 18.5	20.6
377947 2006 HS_{97}	16.6	X	205.23937	234.95198	236.91748	6.86628	0.1838733	0.21429863	2.7656027	21	8 4.9	21.2
377948 2006 HA_{102}	16.4	X	176.27173	327.68562	82.47025	10.97873	0.0801370	0.19336487	2.9617678	21	4 29.6	21.0
377949 2006 HP_{152}	17.9	X	231.35421	196.95501	126.84480	4.18720	0.2251760	0.31423310	2.1427332	21	2 18.6	21.3
377950 2006 JJ_{2}	16.1	X	326.33056	112.92496	92.96797	7.98073	0.1136156	0.18466378	3.0540881	21	2 1.9	20.2
377951 2006 JA_{15}	16.5	X	104.47166	328.28894	207.31140	12.24868	0.1225039	0.20845375	2.8170610	21	7 15.4	20.8
377952 2006 JV_{16}	16.3	X	262.99154	164.02720	108.25761	4.05068	0.0809489	0.18406205	3.0607407	21	2 10.9	20.8
377953 2006 JQ_{17}	16.6	X	243.36893	54.24282	209.89016	8.88351	0.0623691	0.17926395	3.1151150	21	1 11.5	21.4
377954 2006 JE_{20}	15.8	X	181.41112	240.27898	112.13228	10.12705	0.0985148	0.18276709	3.0751813	21	2 24.8	20.7
377955 2006 JV_{21}	16.3	X	1.35547	21.23679	188.45755	11.61926	0.0268257	0.19148248	2.9811467	21	4 2.3	20.3
377956 2006 JR_{31}	16.2	X	285.69293	59.09455	201.43300	12.03440	0.0346249	0.18638222	3.0352867	21	2 23.9	20.7
377957 2006 JS_{42}	16.2	X	256.25440	206.26456	73.43956	10.36084	0.0616091	0.18400707	3.0613504	21	2 17.6	20.8
377958 2006 JL_{48}	15.9	X	269.04858	226.65256	43.93522	10.47011	0.2265445	0.18351942	3.0667711	21	2 4.5	21.1
377959 2006 JK_{61}	16.7	X	113.83236	332.17455	218.48562	7.24785	0.1516112	0.21158960	2.7891583	21	8 17.5	21.1
377960 2006 JU_{63}	16.2	X	316.59720	8.70390	352.27150	5.35645	0.0576899	0.21998514	2.7177353	21	8 17.1	19.5
377961 2006 JE_{64}	17.0	X	326.59406	318.88679	353.14531	4.24253	0.0569107	0.21218670	2.7839233	21	6 23.9	20.6
377962 2006 JN_{81}	16.7	X	222.60353	303.51281	34.03852	6.56375	0.0798939	0.18841048	3.0134640	21	3 19.3	21.2
377963 2006 KR	15.6	X	263.70877	213.18228	67.29957	19.86808	0.2254382	0.18247954	3.0784109	21	2 14.6	21.0
377964 2006 KN_{9}	15.2	X	156.15836	245.26290	79.28587	27.29685	0.1977702	0.17046443	3.2214164	21	1 4.9	20.6
377965 2006 KP_{12}	15.8	X	187.31481	159.61438	140.68228	9.85948	0.1988527	0.17344207	3.1844400	21	1 3.9	21.3
377966 2006 KA_{29}	16.5	X	201.61876	355.91225	58.80035	10.23789	0.1079030	0.19957401	2.9000137	21	5 26.9	20.9
377967 2006 KN_{45}	16.2	X	92.21391	101.17226	58.31040	12.33668	0.0660859	0.20029500	2.8930502	21	6 2.7	20.2
377968 2006 KC_{56}	17.8	X	106.53076	190.03946	30.80260	3.54535	0.1699552	0.27793908	2.3254284	21	9 27.9	21.2
377969 2006 KT_{83}	16.6	X	100.73769	90.90682	58.99774	11.52243	0.1066564	0.20092653	2.8869850	21	6 7.1	20.6
377970 2006 KG_{117}	16.3	X	183.53384	230.98048	212.63392	8.64920	0.0916852	0.20085852	2.8876366	21	6 14.2	20.9
377971 2006 LW_{6}	18.1	X	187.01087	156.76485	152.47483	4.15027	0.3069909	0.29851640	2.2172973	21	1 1.9	21.9
377972 2006 MF_{10}	19.3	X	203.15092	64.45869	196.65365	3.04546	0.4226140	0.29769589	2.2213696	21	—	—
377973 2006 NF	17.6	X	253.75778	157.23836	120.01229	9.14815	0.2637145	0.30539850	2.1838599	21	1 9.5	21.3
377974 2006 OU_{2}	17.6	X	139.49504	213.92938	111.90337	8.66441	0.2686188	0.29211369	2.2495800	21	—	—
377975 2006 OO_{6}	17.5	X	118.80254	16.51779	347.88076	7.04724	0.1467822	0.28751137	2.2735231	21	—	—
377976 2006 OC_{12}	17.8	X	113.40573	212.79876	132.26084	5.42023	0.2411096	0.28710714	2.2756566	21	—	—
377977 2006 OH_{20}	17.6	X	227.93532	350.57432	298.20659	4.51895	0.1956095	0.30293615	2.1956780	21	1 4.6	21.2
377978 2006 PZ_{17}	17.9	X	84.39353	86.83743	238.28746	1.42958	0.2576622	0.28006195	2.3136623	21	—	—
377979 2006 QJ_{21}	18.2	X	114.34775	205.07455	182.86854	2.26263	0.2069272	0.29355593	2.2422059	21	1 15.5	20.6
377980 2006 QH_{22}	17.7	X	179.89151	192.37849	129.93015	5.86505	0.2056049	0.29747332	2.2224775	21	1 4.9	21.1
377981 2006 QM_{32}	17.7	X	184.17188	28.97529	279.39747	4.95185	0.2166372	0.29650792	2.2272990	21	—	—
377982 2006 QV_{52}	17.6	X	140.66980	238.12341	100.32491	3.25877	0.2354953	0.29175384	2.2514294	21	—	—
377983 2006 QX_{55}	17.9	X	106.72801	22.54036	351.69338	5.47970	0.1901424	0.28956291	2.2627718	21	—	—
377984 2006 QW_{120}	17.8	X	147.78985	130.94572	199.42426	4.65378	0.2156020	0.29207172	2.2497955	21	—	—
377985 2006 QA_{124}	16.7	X	25.92254	95.08285	276.98623	5.16090	0.2092997	0.27246206	2.3564887	21	—	—
377986 2006 QX_{131}	18.1	X	122.84604	259.74592	111.12443	3.32807	0.1566777	0.29234008	2.2484184	21	—	—
377987 2006 QJ_{157}	17.9	X	77.11882	206.31655	154.30811	2.42629	0.1112571	0.28272408	2.2991158	21	—	—
377988 2006 QY_{160}	18.6	X	73.48261	183.22679	173.79239	2.03835	0.2329691	0.28059989	2.3107043	21	—	—
377989 2006 QT_{167}	16.7	X	59.53491	326.83390	61.55806	2.73026	0.2346186	0.21516936	2.7581365	21	—	—
377990 2006 RJ_{17}	17.2	X	130.36651	352.43691	15.50314	6.43358	0.2004101	0.29181230	2.2511287	21	1 11.9	19.9
377991 2006 RQ_{31}	18.5	X	86.05648	180.67667	219.88389	1.47977	0.2046657	0.28685160	2.2770079	21	—	—
377992 2006 RP_{35}	17.8	X	82.25761	297.89343	79.98395	2.93631	0.2635150	0.28393252	2.2925877	21	—	—
377993 2006 RC_{39}	17.3	X	160.74803	140.77031	181.51533	4.11984	0.1759520	0.29033321	2.2587677	21	—	—
377994 2006 RS_{39}	17.7	X	141.98479	162.35730	193.89380	3.75152	0.1728218	0.29229620	2.2486435	21	1 4.8	20.6
377995 2006 RE_{45}	18.0	X	184.48401	266.55654	33.98734	3.64064	0.1490732	0.29062063	2.2572782	21	—	—
377996 2006 RU_{50}	15.6	X	177.05728	101.29878	197.27157	8.95142	0.0784320	0.15299069	3.4622577	21	—	—
377997 2006 RF_{61}	18.0	X	112.22557	65.11988	322.38676	1.13761	0.2393550	0.29144948	2.2529966	21	1 18.4	20.1
377998 2006 RZ_{83}	17.5	X	358.59571	272.86037	185.40262	20.85000	0.3022270	0.27709835	2.3301296	21	—	—
377999 2006 RK_{90}	18.3	X	81.89933	64.21319	354.50370	2.56592	0.1973773	0.28796640	2.2711275	21	1 2.2	19.9
378000 2006 RC_{94}	17.3	X	42.14304	242.78150	208.04515	6.79201	0.0561538	0.28742586	2.2739740	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378001 2006 RR_{98}	17.9	X	110.21958	36.68538	2.15218	4.05655	0.1179990	0.29228843	2.2486833	21	1 11.4	20.2
378002 `Akialoa	17.9	X	344.97944	131.48526	17.45600	7.59692	0.0396085	0.28895729	2.2659324	21	—	—
378003 2006 SW	17.8	X	117.81763	72.79748	297.57149	2.40452	0.1978122	0.28899956	2.2657114	21	—	—
378004 2006 SX_{25}	17.7	X	87.62904	61.44435	287.12613	6.05801	0.2322718	0.28154490	2.3055308	21	—	—
378005 2006 SR_{31}	17.7	X	113.42173	6.71777	350.76880	5.75185	0.1559480	0.28656720	2.2785141	21	—	—
378006 2006 SX_{32}	17.9	X	162.41478	122.18058	199.60288	3.65226	0.2303659	0.29194062	2.2504690	21	—	—
378007 2006 SQ_{38}	17.5	X	254.60812	284.48802	323.51205	4.38890	0.0637890	0.29293861	2.2453548	21	—	—
378008 2006 SO_{43}	17.3	X	73.96081	201.09166	231.63186	6.53433	0.0961250	0.29141935	2.2531518	21	—	—
378009 2006 SG_{46}	17.7	X	93.76138	147.41379	192.87419	4.37007	0.2881763	0.28051850	2.3111513	21	—	—
378010 2006 SP_{60}	17.2	X	142.35590	288.63261	49.95242	9.10071	0.2044811	0.28945683	2.2633246	21	—	—
378011 2006 SK_{69}	18.4	X	49.33643	125.12073	11.45165	5.13556	0.1140712	0.29875607	2.2161113	21	2 17.0	20.2
378012 2006 SU_{70}	17.7	X	134.42629	141.95885	180.45202	5.93482	0.1972489	0.28474656	2.2882162	21	—	—
378013 2006 SV_{71}	17.3	X	224.28219	338.85505	27.87193	7.30316	0.2254513	0.24058884	2.5602698	21	4 12.9	21.7
378014 2006 SP_{149}	17.7	X	87.89203	208.64482	208.04977	6.52620	0.1025728	0.28934178	2.2639246	21	—	—
378015 2006 SM_{156}	17.9	X	153.94766	155.26688	172.28695	5.22862	0.1432764	0.29101055	2.2552614	21	—	—
378016 2006 SS_{161}	18.2	X	84.96667	39.94585	12.50378	5.03244	0.1453300	0.28891260	2.2661660	21	—	—
378017 2006 SB_{163}	18.3	X	359.34231	260.78490	184.85127	6.06068	0.0940842	0.27695023	2.3309604	21	—	—
378018 2006 SW_{164}	17.3	X	208.99362	67.14199	217.10178	5.31223	0.1691251	0.29439572	2.2379397	21	—	—
378019 2006 SL_{185}	18.3	X	67.26461	89.86242	348.81670	4.58841	0.1335820	0.28797783	2.2710674	21	—	—
378020 2006 SQ_{256}	17.7	X	111.32348	10.74547	0.93270	6.27462	0.0371186	0.28681601	2.2771962	21	—	—
378021 2006 SM_{259}	18.2	X	174.38595	308.12566	351.01034	1.20056	0.2031390	0.28901594	2.2656258	21	—	—
378022 2006 SD_{283}	17.8	X	140.98097	276.01935	50.04350	4.80593	0.2528841	0.28896388	2.2658979	21	—	—
378023 2006 SS_{311}	17.8	X	313.27839	257.85355	302.66932	2.19603	0.1472779	0.29327622	2.2436313	21	—	—
378024 2006 SV_{314}	17.1	X	131.41359	300.27226	42.15196	4.36266	0.1195602	0.21953879	2.7214177	21	—	—
378025 2006 SX_{321}	17.6	X	60.40899	27.67710	34.06547	7.18301	0.0870906	0.28582620	2.2824505	21	—	—
378026 2006 SQ_{324}	17.1	X	0.46100	287.90836	156.44176	4.73942	0.0451182	0.21238254	2.7822117	21	—	—
378027 2006 SX_{326}	17.9	X	57.10039	17.15188	36.89557	4.48081	0.1135703	0.28261728	2.2996950	21	—	—
378028 2006 SU_{337}	18.2	X	46.78872	244.73449	158.76493	5.57764	0.2238694	0.27927176	2.3180245	21	—	—
378029 2006 SZ_{337}	18.4	X	34.97138	2.35186	80.08921	4.03228	0.1721048	0.28319899	2.2965448	21	—	—
378030 2006 SG_{352}	18.1	X	80.01239	98.30015	288.08256	3.97007	0.1822633	0.28353004	2.2947568	21	—	—
378031 2006 SZ_{355}	17.8	X	104.85677	322.70316	45.70478	7.58779	0.1943295	0.28494917	2.2871314	21	—	—
378032 2006 SH_{363}	18.0	X	43.02330	258.86931	177.14310	5.36435	0.2012481	0.28033943	2.3121354	21	—	—
378033 2006 SQ_{391}	18.4	X	84.70072	348.27075	25.47724	7.47706	0.0980755	0.28144279	2.3060885	21	—	—
378034 2006 SH_{392}	17.7	X	198.35019	54.08486	197.91195	6.72056	0.0417881	0.28022281	2.3127768	21	—	—
378035 2006 SE_{394}	17.3	X	278.08779	356.39838	184.69568	4.99796	0.0758868	0.27887740	2.3202093	21	—	—
378036 2006 SD_{398}	17.5	X	358.49283	67.53848	53.24942	8.19184	0.0470122	0.28008132	2.3135556	21	—	—
378037 2006 SE_{401}	18.5	X	70.20474	119.36323	241.54831	0.51172	0.2150133	0.27623612	2.3349759	21	—	—
378038 2006 SM_{402}	18.4	X	150.65416	85.03320	228.18400	2.76827	0.2065133	0.28630772	2.2798906	21	—	—
378039 2006 SP_{405}	18.1	X	153.50888	338.06424	324.81693	1.75317	0.2409106	0.28822313	2.2697786	21	—	—
378040 2006 SY_{410}	17.9	X	66.98960	146.48188	206.50218	5.86706	0.1362429	0.27848353	2.3223965	21	—	—
378041 2006 SX_{411}	17.1	X	84.19353	109.28860	297.09226	6.05144	0.0314286	0.28830977	2.2693238	21	—	—
378042 2006 TN_{12}	17.8	X	56.24734	135.49690	274.92715	3.63978	0.1626303	0.28314664	2.2968278	21	—	—
378043 2006 TX_{20}	18.7	X	64.92131	153.70702	208.63188	1.58039	0.1999321	0.27610701	2.3357038	21	—	—
378044 2006 TT_{22}	17.9	X	177.61614	262.52505	46.35409	7.56194	0.2435352	0.29003329	2.2603246	21	—	—
378045 2006 TR_{23}	17.2	X	343.15358	319.96290	201.03808	8.43154	0.1216231	0.28598782	2.2815904	21	—	—
378046 2006 TX_{23}	17.9	X	34.49431	47.97428	59.71150	2.98360	0.1910577	0.28435987	2.2902902	21	—	—
378047 2006 TH_{32}	18.6	X	54.39145	198.54123	217.26177	1.07131	0.1712633	0.28141623	2.3062336	21	—	—
378048 2006 TD_{33}	17.4	X	237.38613	170.87059	34.68109	10.08859	0.1351005	0.27722535	2.3294179	21	—	—
378049 2006 TM_{34}	18.2	X	48.09533	199.53948	243.16462	3.07161	0.1416775	0.28373340	2.2936602	21	—	—
378050 2006 TJ_{39}	15.9	X	115.64577	126.17485	217.24551	9.07543	0.0984038	0.14699976	3.5556987	21	—	—
378051 2006 TY_{46}	18.4	X	70.72348	339.11963	43.30575	3.32152	0.1945432	0.27918463	2.3185068	21	—	—
378052 2006 TA_{51}	17.5	X	167.75504	77.55173	218.10159	5.89348	0.2509235	0.28423728	2.2909487	21	—	—
378053 2006 TC_{60}	17.8	X	76.01536	322.94539	26.16180	7.99732	0.1065172	0.27410023	2.3470902	21	—	—
378054 2006 TF_{60}	18.5	X	95.56775	112.61721	234.95186	6.04729	0.3064810	0.28065024	2.3104280	21	—	—
378055 2006 TN_{64}	17.5	X	186.10384	321.36374	297.29010	5.95241	0.0868784	0.28398181	2.2923224	21	—	—
378056 2006 TM_{74}	17.8	X	140.15733	245.70324	76.85588	6.74590	0.2961630	0.28694650	2.2765058	21	—	—
378057 2006 TW_{83}	17.6	X	169.79589	285.28001	342.73146	5.05305	0.1608645	0.27940257	2.3173010	21	—	—
378058 2006 TY_{84}	17.5	X	39.08698	170.88947	273.25647	3.93260	0.1385938	0.28215935	2.3021825	21	—	—
378059 2006 TL_{86}	18.1	X	7.12215	123.79298	345.79642	3.26720	0.1150313	0.28033176	2.3121775	21	—	—
378060 2006 TE_{91}	17.4	X	11.30366	222.86240	229.24279	6.60661	0.1771961	0.27709160	2.3301675	21	—	—
378061 2006 TZ_{91}	17.8	X	83.23401	138.80666	248.41387	2.57255	0.1613023	0.28184176	2.3039117	21	—	—
378062 2006 TH_{93}	17.3	X	114.25290	310.69838	5.02660	6.96499	0.1251898	0.27755895	2.3275511	21	—	—
378063 2006 TL_{98}	16.8	X	354.81936	315.92880	207.31506	22.63215	0.1856612	0.28880678	2.2667196	21	—	—
378064 2006 TU_{99}	18.0	X	346.91969	217.98948	273.20719	3.40660	0.2549338	0.27877950	2.3207525	21	—	—
378065 2006 TL_{125}	17.5	X	140.03878	79.33271	243.74942	4.51543	0.1879402	0.28420419	2.2911265	21	—	—
378066 2006 TN_{129}	17.3	X	41.80622	128.56314	281.14572	10.29426	0.1167217	0.27858070	2.3218564	21	—	—
378067 2006 UD_{6}	17.7	X	76.43807	11.82736	47.95360	7.92054	0.2150955	0.28528561	2.2853329	21	—	—
378068 2006 UP_{13}	17.8	X	131.97751	286.87325	72.33999	2.15578	0.1645566	0.28721076	2.2751092	21	—	—
378069 2006 UT_{14}	18.3	X	28.09703	318.29896	100.47308	2.20596	0.1744420	0.27566764	2.3381849	21	—	—
378070 2006 US_{23}	16.5	X	290.32469	182.65970	24.22533	22.24025	0.1743598	0.28771114	2.2724705	21	—	—
378071 2006 UB_{31}	17.8	X	260.57464	350.03675	211.51962	1.24175	0.0524235	0.28062894	2.3105449	21	—	—
378072 2006 UY_{51}	17.0	X	249.30129	201.83640	15.53957	6.48169	0.1187517	0.28174321	2.3044489	21	—	—
378073 2006 UB_{53}	17.9	X	42.26300	3.46731	53.15046	2.69136	0.1790232	0.27834094	2.3231896	21	—	—
378074 2006 UK_{54}	17.6	X	139.67723	61.99823	274.72500	4.42157	0.2572236	0.28835965	2.2690621	21	—	—
378075 2006 UJ_{62}	17.8	X	83.40346	148.25968	228.83750	2.72557	0.0982199	0.27893403	2.3198953	21	—	—
378076 2006 UQ_{64}	17.3	X	107.60930	90.11965	272.66869	6.91670	0.1583172	0.28281910	2.2986008	21	—	—
378077 2006 UE_{67}	17.8	X	280.65270	60.79904	191.94217	5.58809	0.0415444	0.29719029	2.2238883	21	1 19.4	20.6
378078 2006 UQ_{69}	17.5	X	150.42543	282.52983	50.29863	6.99869	0.1566692	0.28801758	2.2708584	21	—	—
378079 2006 US_{69}	17.5	X	35.74636	281.24506	162.38673	4.51037	0.1216277	0.28269211	2.2992892	21	—	—
378080 2006 UW_{71}	17.3	X	87.06351	83.32721	333.80012	9.99637	0.0583372	0.29222588	2.2490042	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378081 2006 UY_{72}	17.8	X	208.46594	321.42764	311.79839	4.57831	0.1589727	0.28848261	2.2684173	21	—	—
378082 2006 UW_{82}	17.8	X	100.04291	49.03300	316.10732	2.59575	0.1615956	0.28289725	2.2981775	21	—	—
378083 2006 UH_{85}	17.9	X	10.81691	199.09277	271.68692	1.38708	0.1171666	0.28103117	2.3083397	21	—	—
378084 2006 UM_{87}	17.0	X	292.49433	130.77385	46.37002	12.66931	0.1206694	0.27727711	2.3291281	21	—	—
378085 2006 UT_{88}	18.0	X	27.59615	40.39776	34.93357	2.67000	0.2033182	0.27747317	2.3280308	21	—	—
378086 2006 UB_{89}	17.8	X	35.02418	1.85003	25.76008	4.91719	0.1679322	0.27289159	2.3540153	21	—	—
378087 2006 UG_{90}	17.9	X	135.95282	60.36897	240.93504	6.14016	0.1245557	0.27631324	2.3345414	21	—	—
378088 2006 UM_{92}	17.5	X	253.41801	165.98652	85.64994	1.86984	0.1385996	0.29077372	2.2564859	21	—	—
378089 2006 UY_{93}	18.6	X	33.75446	275.71323	154.93094	2.51096	0.1837337	0.27909856	2.3189835	21	—	—
378090 2006 UD_{96}	17.6	X	28.37077	340.23512	111.97622	2.93935	0.2072035	0.28094650	2.3088035	21	—	—
378091 2006 UD_{107}	17.6	X	119.82028	251.06196	65.39762	6.01018	0.1839502	0.27859251	2.3217908	21	—	—
378092 2006 UY_{108}	17.6	X	97.50679	205.19171	176.98293	4.11249	0.1572366	0.28350892	2.2948708	21	—	—
378093 2006 UH_{111}	17.5	X	122.98440	81.04045	268.62564	5.28940	0.1440021	0.28789044	2.2715269	21	—	—
378094 2006 UF_{134}	18.3	X	8.96561	281.81037	193.03246	4.91930	0.1778147	0.28057866	2.3108209	21	—	—
378095 2006 UP_{142}	17.6	X	192.02702	33.81989	261.44053	5.20958	0.1934321	0.28809386	2.2704575	21	—	—
378096 2006 UY_{147}	18.0	X	94.65064	351.64967	20.87999	6.22919	0.1136236	0.28323768	2.2963356	21	—	—
378097 2006 UJ_{156}	18.2	X	188.06401	135.02428	145.55555	3.23729	0.1464246	0.28675399	2.2775245	21	—	—
378098 2006 UV_{169}	17.6	X	22.02115	58.95759	60.11026	6.06176	0.1791826	0.28480419	2.2879075	21	—	—
378099 2006 UF_{170}	18.1	X	53.13779	286.22804	166.87820	3.92564	0.2008112	0.28603593	2.2813346	21	—	—
378100 2006 UZ_{171}	17.9	X	74.27610	93.16157	222.60099	13.31522	0.3156469	0.27088337	2.3656354	21	—	—
378101 2006 UG_{173}	17.9	X	52.77469	314.50022	125.20915	2.81544	0.1689300	0.28231071	2.3013596	21	—	—
378102 2006 UR_{184}	17.4	X	48.81989	95.74702	337.07253	6.64625	0.1572468	0.28303913	2.2974094	21	—	—
378103 2006 UG_{200}	17.6	X	102.32622	1.18420	4.40244	5.92785	0.1866520	0.28343646	2.2952619	21	—	—
378104 2006 UR_{210}	17.3	X	103.47057	347.14655	18.79295	7.49740	0.1353852	0.28193031	2.3034292	21	—	—
378105 2006 UD_{218}	18.1	X	57.46906	22.70075	15.03003	5.56148	0.1461939	0.27902030	2.3194171	21	—	—
378106 2006 UG_{219}	17.5	X	169.46867	267.99369	58.12942	10.03624	0.1524837	0.29188797	2.2507396	21	—	—
378107 2006 UH_{219}	17.5	X	81.99128	305.45541	91.90556	6.73199	0.1031871	0.28575182	2.2828465	21	—	—
378108 2006 UO_{223}	15.3	X	119.19068	340.93298	7.79405	9.62008	0.1095494	0.15249589	3.4697429	21	—	—
378109 2006 UU_{224}	17.2	X	66.27338	148.63940	272.09965	5.09507	0.1406686	0.28455064	2.2892664	21	—	—
378110 2006 UK_{236}	17.8	X	314.24254	311.74432	204.25140	4.86176	0.0991088	0.28143278	2.3061432	21	—	—
378111 2006 UQ_{237}	18.0	X	171.68338	256.29309	55.71973	3.44360	0.1429986	0.28838116	2.2689493	21	—	—
378112 2006 UG_{239}	17.3	X	232.58633	173.35738	24.66141	7.43557	0.0603102	0.27430588	2.3459170	21	—	—
378113 2006 UM_{244}	18.3	X	78.79011	121.36851	217.96767	0.87337	0.1980744	0.27638958	2.3341115	21	—	—
378114 2006 UW_{253}	18.6	X	58.18738	206.17026	221.03193	5.83316	0.1510598	0.28300984	2.2975679	21	—	—
378115 2006 UV_{257}	17.7	X	298.64057	319.71175	217.23198	4.59411	0.1505527	0.28225110	2.3016836	21	—	—
378116 2006 UC_{259}	17.6	X	292.50446	160.68017	26.47990	6.94243	0.0990245	0.28382120	2.2931871	21	—	—
378117 2006 UH_{280}	18.5	X	23.22599	259.57327	214.79891	4.69910	0.1875969	0.28242061	2.3007625	21	—	—
378118 2006 UK_{280}	17.3	X	350.27966	102.66874	47.09218	22.96959	0.1994143	0.28195575	2.3032907	21	—	—
378119 2006 UW_{319}	17.7	X	352.19108	243.62315	221.17161	5.61930	0.0686757	0.27506275	2.3416116	21	—	—
378120 2006 UC_{328}	18.4	X	16.71078	241.93705	225.13679	1.22613	0.1577603	0.28052465	2.3111175	21	—	—
378121 2006 UU_{329}	17.0	X	41.48428	144.30473	259.63930	7.72146	0.0914985	0.26909696	2.3760935	21	—	—
378122 2006 UC_{335}	17.8	X	52.72209	304.80763	142.80590	4.79748	0.2192843	0.28438404	2.2901604	21	—	—
378123 2006 UK_{338}	18.1	X	10.51477	58.52904	65.03868	3.11668	0.1544097	0.28054283	2.3110177	21	—	—
378124 2006 VT_{2}	18.1	X	27.85880	152.61826	59.46059	31.81314	0.7229310	0.69459125	1.2627475	21	10 19.6	20.6
378125 2006 VO_{7}	17.8	X	35.57366	146.50939	232.68372	4.44674	0.1758971	0.27100884	2.3649052	21	—	—
378126 2006 VO_{9}	17.8	X	6.16915	175.81334	236.25864	2.07984	0.2037172	0.27059613	2.3673092	21	—	—
378127 2006 VH_{10}	18.0	X	55.60319	141.48835	227.18765	4.10098	0.1974866	0.27451068	2.3447500	21	—	—
378128 2006 VA_{16}	17.1	X	222.79107	295.26331	35.17609	5.52530	0.1143344	0.23051702	2.6343131	21	3 4.8	21.2
378129 2006 VB_{16}	17.9	X	122.14479	308.41967	16.73512	2.70126	0.2548052	0.28102972	2.3083476	21	—	—
378130 2006 VJ_{17}	17.6	X	250.68057	158.08280	5.41864	1.43243	0.1196488	0.26744019	2.3858965	21	12 17.2	20.3
378131 2006 VZ_{20}	17.7	X	129.30250	256.36658	55.34464	6.46757	0.0516848	0.27517238	2.3409896	21	—	—
378132 2006 VR_{25}	17.6	X	296.64068	165.54536	37.06755	3.57545	0.0979534	0.28350102	2.2949134	21	—	—
378133 2006 VV_{29}	17.0	X	339.39928	217.58072	248.68223	6.23085	0.0560951	0.27283490	2.3543414	21	—	—
378134 2006 VK_{35}	17.9	X	114.70583	262.10222	56.11739	3.31967	0.0999817	0.27513597	2.3411962	21	—	—
378135 2006 VE_{36}	17.9	X	94.80066	298.80686	54.34103	6.38718	0.1900795	0.27892548	2.3199427	21	—	—
378136 2006 VX_{41}	16.9	X	299.01311	248.95456	152.77258	2.44358	0.3500262	0.18863152	3.0111094	21	7 27.6	20.5
378137 2006 VS_{44}	17.3	X	246.36088	53.07030	128.38505	1.89516	0.1198972	0.27074869	2.3664199	21	—	—
378138 2006 VW_{45}	17.6	X	16.56980	53.38961	55.30091	5.89430	0.1806761	0.27916673	2.3186059	21	—	—
378139 2006 VW_{46}	17.4	X	223.03468	171.21332	29.84035	2.85232	0.1333314	0.27001843	2.3706846	21	12 28.6	20.5
378140 2006 VF_{60}	17.5	X	4.93199	245.62026	217.15185	6.52336	0.0621582	0.27801905	2.3249825	21	—	—
378141 2006 VP_{67}	18.0	X	335.93596	78.40148	57.92429	5.20614	0.1320662	0.27587113	2.3370350	21	—	—
378142 2006 VR_{78}	17.7	X	41.05565	327.14993	77.14034	7.18909	0.1348186	0.27533817	2.3400498	21	—	—
378143 2006 VT_{78}	18.1	X	81.05270	179.46718	212.42068	5.39272	0.2428649	0.28170874	2.3046369	21	—	—
378144 2006 VG_{79}	18.0	X	40.91009	333.74557	99.76864	4.46741	0.0165114	0.27997732	2.3141285	21	—	—
378145 2006 VP_{83}	17.5	X	98.21649	36.97575	246.29834	4.61519	0.0901455	0.26550153	2.3974968	21	11 29.4	20.9
378146 2006 VZ_{89}	17.1	X	33.70253	204.02274	247.77810	7.46203	0.0270378	0.28092959	2.3088961	21	—	—
378147 2006 VW_{90}	17.9	X	325.14007	162.02642	348.00098	3.62895	0.1448364	0.27803512	2.3248929	21	—	—
378148 2006 VF_{107}	17.5	X	90.60883	333.06460	37.65596	6.86597	0.2428829	0.28077296	2.3097547	21	—	—
378149 2006 VR_{113}	17.6	X	54.00067	5.86043	31.93846	4.63869	0.1902805	0.27603297	2.3361214	21	—	—
378150 2006 VY_{114}	16.8	X	248.47859	295.27841	34.53737	14.94280	0.1310740	0.23668067	2.5883769	21	3 30.5	20.8
378151 2006 VS_{115}	18.0	X	41.39397	218.35584	213.13853	0.90236	0.1890799	0.27921548	2.3183360	21	—	—
378152 2006 VQ_{117}	18.9	X	52.86677	331.85683	42.69316	2.15226	0.2074070	0.27394355	2.3479851	21	—	—
378153 2006 VK_{140}	17.9	X	19.23048	32.41515	76.74496	5.18094	0.1379996	0.27949826	2.3167721	21	—	—
378154 2006 VT_{140}	17.1	X	356.96023	221.79515	233.61520	5.51501	0.0746966	0.27392986	2.3480633	21	—	—
378155 2006 VU_{140}	17.7	X	35.56306	331.24138	68.39159	2.40237	0.1822689	0.27247801	2.3563967	21	—	—
378156 2006 VV_{146}	18.5	X	79.36626	202.39802	188.62752	4.94758	0.1675283	0.28075717	2.3098413	21	—	—
378157 2006 VQ_{150}	17.4	X	132.76788	97.72976	247.34001	5.55884	0.1607580	0.28505325	2.2865746	21	—	—
378158 2006 VM_{153}	16.8	X	37.69827	359.10908	84.83476	7.30637	0.0637832	0.28289683	2.2981798	21	—	—
378159 2006 VB_{170}	17.4	X	330.52787	88.02814	71.63616	3.64481	0.1156289	0.27920500	2.3183940	21	—	—
378160 2006 WX_{1}	19.6	X	46.62340	290.93196	327.98684	11.64395	0.3001909	1.12314001	0.9166006	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378161 2006 WK_{4}	17.0	X	345.68153	109.14057	246.68582	3.81837	0.2187062	0.25829517	2.4418849	21	10 1.3	18.8
378162 2006 WQ_{7}	17.1	X	28.51936	252.72390	228.87518	20.47933	0.2747940	0.28195358	2.3033025	21	—	—
378163 2006 WC_{8}	17.0	X	14.39350	220.76993	231.61987	22.10219	0.2269171	0.27743252	2.3282582	21	—	—
378164 2006 WT_{39}	16.9	X	335.10314	140.80491	225.42611	5.53634	0.1346382	0.25604300	2.4561833	21	9 21.3	19.4
378165 2006 WC_{43}	17.7	X	124.87939	232.42016	83.16867	6.46965	0.2622031	0.27965714	2.3158945	21	—	—
378166 2006 WV_{45}	17.8	X	247.04275	110.73310	136.13233	3.77222	0.1005351	0.28687471	2.2768856	21	—	—
378167 2006 WR_{51}	17.5	X	326.64597	95.42989	59.23461	7.01533	0.1395763	0.27695256	2.3309473	21	—	—
378168 2006 WC_{60}	17.8	X	65.04589	304.32224	77.67531	5.97940	0.2531540	0.27727240	2.3291544	21	—	—
378169 2006 WF_{75}	17.7	X	289.05807	221.92241	308.18862	1.30061	0.1384190	0.27406262	2.3473050	21	—	—
378170 2006 WF_{79}	17.8	X	3.45817	213.03806	281.05460	4.10508	0.1049686	0.28147024	2.3059385	21	—	—
378171 2006 WY_{79}	17.9	X	334.00045	99.83030	32.48105	2.68082	0.1529170	0.27469457	2.3437035	21	—	—
378172 2006 WV_{96}	17.2	X	159.96582	179.84919	57.96914	8.48697	0.0723197	0.26500017	2.4005198	21	12 8.1	20.6
378173 2006 WN_{106}	17.9	X	90.42118	257.59556	82.21930	4.98422	0.1668259	0.27398418	2.3477529	21	—	—
378174 2006 WF_{110}	18.0	X	349.23484	302.14759	177.66236	1.10833	0.1176366	0.27524558	2.3405746	21	—	—
378175 2006 WA_{129}	17.6	X	337.36990	338.41568	142.28474	5.14201	0.1626907	0.27484402	2.3428538	21	—	—
378176 2006 WB_{162}	17.9	X	353.07455	64.97305	71.43944	7.75915	0.0528538	0.28144617	2.3060700	21	—	—
378177 2006 WY_{167}	18.2	X	327.09908	70.87484	83.06311	3.08967	0.1521240	0.27721729	2.3294631	21	—	—
378178 2006 WG_{171}	18.1	X	12.13110	270.96349	196.62214	1.26146	0.1405515	0.27795338	2.3253486	21	—	—
378179 2006 WL_{182}	17.9	X	29.95102	236.52052	223.01375	1.89745	0.1611541	0.27981204	2.3150398	21	—	—
378180 2006 WY_{183}	17.9	X	354.90160	136.35450	306.41149	2.72259	0.1456839	0.26706415	2.3881356	21	—	—
378181 2006 WG_{198}	17.7	X	41.35008	313.24589	91.08428	3.64972	0.1865836	0.27037303	2.3686113	21	—	—
378182 2006 WU_{202}	17.3	X	323.12554	15.70542	104.71531	3.24235	0.0192674	0.26619738	2.3933168	21	—	—
378183 2006 XK_{7}	17.3	X	93.57432	313.14575	75.65193	6.86186	0.2650059	0.28206099	2.3027177	21	—	—
378184 2006 XD_{10}	17.7	X	21.94089	320.25084	80.94051	3.55758	0.1665055	0.26836437	2.3804157	21	—	—
378185 2006 XF_{11}	17.6	X	4.87704	203.34665	259.50950	5.66631	0.0655985	0.27833754	2.3232085	21	—	—
378186 2006 XZ_{16}	14.9	X	281.16300	52.78696	80.81236	8.41245	0.1791392	0.12426997	3.9770275	21	11 15.3	20.2
378187 2006 XG_{17}	17.1	X	327.35261	34.74522	77.62087	7.55576	0.0668380	0.26658343	2.3910057	21	—	—
378188 2006 XA_{23}	17.2	X	94.16035	4.25930	92.60978	5.82298	0.1548510	0.29085046	2.2560889	21	3 20.2	19.6
378189 2006 XD_{29}	17.7	X	334.70383	359.43572	106.95933	2.78643	0.0611832	0.27092148	2.3654136	21	—	—
378190 2006 XO_{33}	18.1	X	343.13804	106.22361	334.77194	1.98401	0.1924337	0.26707477	2.3880723	21	—	—
378191 2006 XP_{33}	17.9	X	73.44654	357.62282	18.96418	2.38410	0.2044514	0.27519496	2.3408616	21	—	—
378192 2006 XH_{43}	17.5	X	247.70131	70.97353	108.94702	3.01953	0.1525776	0.26062345	2.4273201	21	12 28.3	20.4
378193 2006 XF_{45}	18.1	X	273.50785	141.91024	338.51937	0.84109	0.1461259	0.25999904	2.4312049	21	11 16.5	20.7
378194 2006 XN_{53}	17.0	X	298.96078	63.53364	67.87553	6.94391	0.1652107	0.26491364	2.4010425	21	—	—
378195 2006 XA_{55}	17.3	X	23.24619	24.84493	71.86322	6.78340	0.2010500	0.27573602	2.3377984	21	—	—
378196 2006 XT_{58}	18.0	X	351.89570	72.85963	23.49147	2.12780	0.1507289	0.26924977	2.3751944	21	—	—
378197 2006 XG_{70}	17.0	X	252.81713	72.11006	121.87391	6.80477	0.1359747	0.26481402	2.4016445	21	—	—
378198 2006 XJ_{70}	17.5	X	336.39244	39.30573	75.81018	5.93114	0.1494117	0.26795357	2.3828481	21	—	—
378199 2006 YL_{21}	17.0	X	180.75579	166.98732	87.27191	7.03201	0.0880286	0.26680250	2.3896967	21	—	—
378200 2006 YL_{26}	16.9	X	203.72203	127.97001	61.01693	3.16536	0.1560788	0.25502552	2.4627120	21	11 15.8	20.5
378201 2006 YY_{29}	16.9	X	194.12692	137.46390	81.53490	7.16163	0.0760562	0.25960987	2.4336339	21	12 22.1	20.0
378202 2006 YV_{36}	17.5	X	309.56434	48.36558	46.04526	3.48843	0.1458966	0.26025983	2.4295805	21	12 15.7	19.6
378203 2006 YW_{42}	18.2	X	317.90232	55.31669	42.48772	1.68818	0.2207669	0.26216894	2.4177713	21	—	—
378204 Bettyhesser	17.4	X	312.21582	244.33543	191.45144	7.91077	0.0802171	0.25367998	2.4714126	21	11 25.8	20.2
378205 2006 YP_{49}	17.3	X	113.43479	99.32059	250.49178	8.48682	0.2526254	0.28048173	2.3113533	21	—	—
378206 2006 YQ_{55}	15.6	X	19.04873	8.44103	330.36155	14.40944	0.1831412	0.24334609	2.5408935	21	11 2.8	18.7
378207 2007 AH_{1}	17.3	X	243.54462	47.67357	121.67892	2.11670	0.1344951	0.25802328	2.4436000	21	12 10.8	20.4
378208 2007 AK_{1}	16.9	X	254.06843	74.17824	119.99232	2.63975	0.1088674	0.26426676	2.4049591	21	—	—
378209 2007 AA_{4}	17.4	X	5.25120	127.04426	330.87383	6.74237	0.2322208	0.27123556	2.3635872	21	—	—
378210 2007 AR_{8}	17.0	X	191.25869	289.50998	281.61198	5.06503	0.1176829	0.25546112	2.4599116	21	12 3.8	20.5
378211 2007 AK_{9}	17.9	X	324.56430	119.82712	356.31200	3.15684	0.1568277	0.26526019	2.3989508	21	—	—
378212 2007 AO_{9}	17.2	X	274.36319	51.27247	85.19887	4.81072	0.1190728	0.25991393	2.4317356	21	12 14.8	19.7
378213 2007 AF_{11}	17.1	X	315.07718	340.12926	137.90859	5.40036	0.1771301	0.26400094	2.4065731	21	—	—
378214 Sauron	17.7	X	322.08859	252.27217	266.34199	1.04469	0.3069786	0.26899013	2.3767225	21	—	—
378215 2007 AZ_{12}	17.5	X	356.83815	208.92637	280.31174	6.06744	0.1587430	0.27662353	2.3327953	21	—	—
378216 2007 AZ_{18}	15.8	X	289.42612	349.35127	285.33591	24.76410	0.1797971	0.28324558	2.2962929	21	2 5.9	19.5
378217 2007 AB_{25}	16.5	X	187.53990	269.66162	309.08320	5.61353	0.1874882	0.25558314	2.4591286	21	12 3.5	20.4
378218 2007 BD_{12}	17.2	X	275.60555	44.82686	56.82797	4.16554	0.0859089	0.25230212	2.4804023	21	11 2.1	19.9
378219 2007 BY_{16}	17.3	X	313.77828	54.43233	82.79801	2.20655	0.1344276	0.26651960	2.3913875	21	—	—
378220 2007 BD_{17}	16.6	X	169.41769	277.29538	308.64623	10.03002	0.1219490	0.25362510	2.4717691	21	11 28.1	20.5
378221 2007 BO_{17}	17.6	X	34.98960	128.55413	284.01121	5.31122	0.2084643	0.27000484	2.3707641	21	—	—
378222 2007 BW_{18}	16.6	X	263.22362	83.88370	88.95878	6.70721	0.0588999	0.26352540	2.4094675	21	—	—
378223 2007 BJ_{21}	17.6	X	357.40135	48.54035	55.06753	2.77137	0.1713797	0.27128186	2.3633183	21	—	—
378224 2007 BW_{21}	17.3	X	232.14754	78.47993	102.33537	4.56452	0.1496698	0.25690661	2.4506758	21	12 8.7	20.5
378225 2007 BD_{27}	18.1	X	325.43170	358.27034	107.53095	3.18043	0.2198658	0.26408860	2.4060406	21	—	—
378226 2007 BK_{27}	17.7	X	358.30019	344.58126	116.50462	3.08663	0.1755596	0.26898660	2.3767433	21	—	—
378227 2007 BT_{29}	17.9	X	306.64313	129.38461	342.22105	4.38190	0.1873571	0.26059215	2.4275145	21	—	—
378228 2007 BD_{39}	17.1	X	269.77206	221.70196	281.38837	5.02315	0.0782591	0.25907539	2.4369799	21	12 21.9	20.0
378229 2007 BO_{55}	17.9	X	10.76299	64.42446	37.81094	2.82903	0.1654312	0.27210748	2.3585354	21	—	—
378230 2007 BY_{64}	17.4	X	139.12877	52.25871	149.00544	7.67014	0.1505557	0.23973666	2.5663335	21	10 1.6	21.5
378231 2007 BF_{74}	17.4	X	27.78486	113.92977	296.29062	5.55982	0.0906763	0.26706997	2.3881010	21	—	—
378232 2007 BO_{77}	17.9	X	11.15173	108.14949	321.23335	2.46763	0.1585817	0.26488065	2.4012418	21	—	—
378233 2007 BJ_{78}	17.6	X	321.24485	222.19583	253.03646	1.48336	0.1363765	0.26273234	2.4143137	21	—	—
378234 2007 BJ_{81}	16.3	X	32.29467	333.59902	319.99439	14.27887	0.1760728	0.23767680	2.5811398	21	9 19.9	19.5
378235 2007 BO_{96}	17.5	X	171.32559	285.43787	302.66504	2.76813	0.0765329	0.25492321	2.4633709	21	12 6.7	21.0
378236 2007 BD_{101}	17.4	X	332.04942	3.91923	124.02034	5.72244	0.1356564	0.26688408	2.3892097	21	—	—
378237 2007 CF	17.0	X	79.27347	118.61595	149.06009	6.19814	0.0982670	0.24274876	2.5450601	21	10 18.3	20.5
378238 2007 CB_{1}	17.7	X	286.76514	359.61402	132.95557	2.23010	0.1224720	0.25884768	2.4384089	21	12 29.7	20.2
378239 2007 CJ_{5}	17.7	X	339.93137	134.60570	329.73238	2.17143	0.1644767	0.26503307	2.4003211	21	—	—
378240 2007 CJ_{7}	18.0	X	307.18647	59.75577	74.54258	1.87987	0.1506216	0.26509696	2.3999354	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378241 2007 CY_{10}	18.0	X	4.76635	314.68645	139.10196	2.78136	0.1825577	0.26897735	2.3767978	21	—	—
378242 2007 CR_{12}	17.6	X	334.32798	139.38429	328.99632	2.36345	0.1290303	0.26497956	2.4006442	21	—	—
378243 2007 CU_{22}	17.5	X	328.08682	193.69227	296.83367	2.50511	0.1213895	0.26679452	2.3897443	21	—	—
378244 2007 CN_{36}	17.8	X	5.07287	98.61564	348.74645	1.01645	0.1532209	0.26766677	2.3845499	21	—	—
378245 2007 CZ_{40}	17.1	X	82.34863	73.99344	146.69990	4.07779	0.1462543	0.23234300	2.6204929	21	8 24.4	20.5
378246 2007 CD_{44}	17.8	X	270.09769	169.15880	321.02628	1.73962	0.1618010	0.25690839	2.4506645	21	11 21.3	20.6
378247 2007 CK_{61}	17.2	X	290.04399	286.10442	208.68014	3.09195	0.1343036	0.25901224	2.4373760	21	—	—
378248 2007 CX_{63}	16.7	X	47.08926	69.78790	153.66992	13.72082	0.2800232	0.22100649	2.7093557	21	7 28.7	19.8
378249 2007 DK_{4}	18.0	X	314.20559	282.29136	209.71514	2.64874	0.2840341	0.26330895	2.4107877	21	—	—
378250 2007 DW_{9}	16.9	X	355.55906	329.32506	103.91669	15.64814	0.1031489	0.26277622	2.4140449	21	—	—
378251 2007 DN_{10}	14.0	X	333.19465	292.61979	354.32348	26.95845	0.0698549	0.08458957	5.1395469	21	5 27.6	20.9
378252 2007 DP_{18}	16.7	X	322.97605	111.01613	154.21023	16.29539	0.2648596	0.21329492	2.7742720	21	3 17.1	20.1
378253 2007 DT_{19}	16.3	X	230.51133	189.83650	152.35636	11.24810	0.0967366	0.21625598	2.7488896	21	3 29.7	20.5
378254 2007 DD_{20}	17.7	X	320.79042	110.57847	0.20568	2.94141	0.1547539	0.26053255	2.4278847	21	—	—
378255 2007 DP_{35}	16.9	X	347.39020	22.23945	344.89502	12.54218	0.1166506	0.24291999	2.5438639	21	10 11.0	19.8
378256 2007 DO_{37}	17.7	X	310.40972	145.32090	337.88121	3.91526	0.1271374	0.25835496	2.4415081	21	—	—
378257 2007 DS_{48}	15.7	X	355.34501	14.56574	331.82438	12.46876	0.2477975	0.24060684	2.5601421	21	10 4.6	17.8
378258 2007 DW_{51}	17.5	X	137.84505	15.66373	218.35897	4.55253	0.0985030	0.24433641	2.5340232	21	11 7.1	21.2
378259 2007 DO_{69}	16.6	X	322.14519	300.34569	343.99359	9.48021	0.2157633	0.21756435	2.7378579	21	4 11.8	20.0
378260 2007 DN_{73}	18.0	X	359.51037	84.31505	343.70586	4.56934	0.2121660	0.26061831	2.4273520	21	—	—
378261 2007 DD_{78}	16.5	X	157.83311	219.26977	283.48536	11.29804	0.1331751	0.23522535	2.5990420	21	7 31.9	20.7
378262 2007 DH_{101}	17.1	X	17.56291	199.24725	147.10753	1.00718	0.1676340	0.24473187	2.5312927	21	11 16.3	19.8
378263 2007 DC_{103}	17.9	X	18.68525	269.03431	138.10805	4.72589	0.0706675	0.26124235	2.4234850	21	—	—
378264 2007 DX_{111}	17.8	X	345.12766	280.10509	145.89803	1.47422	0.1602011	0.25605564	2.4561025	21	—	—
378265 2007 ES_{8}	16.6	X	130.80490	202.96422	0.17392	5.31003	0.1735054	0.23348673	2.6119283	21	9 24.4	20.6
378266 2007 ED_{10}	17.1	X	159.21679	34.24488	154.36877	13.36763	0.1948307	0.24280526	2.5446653	21	10 5.7	21.4
378267 2007 EE_{10}	17.4	X	140.65991	215.52196	357.60936	1.54938	0.0661067	0.23980589	2.5658395	21	10 12.7	21.2
378268 2007 EM_{12}	16.9	X	272.67773	206.53212	306.50520	5.53352	0.0599492	0.25748451	2.4470076	21	—	—
378269 2007 ER_{14}	17.9	X	1.97120	260.72741	190.46850	1.10808	0.1486834	0.26585308	2.3953828	21	—	—
378270 2007 EA_{22}	17.6	X	276.08284	314.68885	162.89448	4.07929	0.1277756	0.25432468	2.4672342	21	11 19.8	20.4
378271 2007 ER_{30}	17.5	X	167.46602	144.75908	40.84585	1.82746	0.0623734	0.24364358	2.5388248	21	10 8.9	21.1
378272 2007 EJ_{40}	16.6	X	356.47176	235.40581	39.87983	5.53383	0.1285372	0.22083664	2.7107447	21	6 16.2	19.4
378273 2007 EB_{51}	13.9	X	327.92384	304.49034	14.20567	8.86556	0.0589239	0.08474457	5.1332780	21	7 5.9	20.5
378274 2007 EB_{53}	17.9	X	281.01491	143.00764	351.57787	20.23058	0.0457168	0.39098029	1.8522495	21	—	—
378275 2007 ET_{54}	13.8	X	298.60826	49.50550	263.04786	2.14899	0.0889572	0.08517270	5.1160615	21	5 18.2	20.4
378276 2007 EO_{69}	17.2	X	130.99962	137.42039	52.10316	3.47027	0.0621781	0.23269705	2.6178342	21	9 2.1	21.0
378277 2007 EU_{69}	16.1	X	8.69985	247.07414	13.29241	11.54978	0.0928054	0.22116493	2.7080616	21	6 16.4	19.4
378278 2007 EE_{70}	17.2	X	197.34543	43.02898	150.86371	5.33248	0.0859296	0.24637811	2.5200044	21	11 22.1	20.8
378279 2007 EH_{86}	17.7	X	101.05862	84.51833	196.89424	21.24511	0.0738484	0.38038589	1.8864840	21	12 19.3	20.4
378280 2007 EL_{89}	18.0	X	344.09920	239.60973	200.48878	0.41392	0.1451969	0.26035572	2.4289839	21	—	—
378281 2007 EM_{89}	16.5	X	19.04425	137.44860	160.66190	10.72507	0.1084811	0.23503855	2.6004189	21	8 31.6	19.4
378282 2007 EA_{96}	18.1	X	248.75128	121.56101	2.73937	20.75389	0.0951342	0.38420359	1.8739663	21	11 6.2	20.1
378283 2007 EW_{116}	16.3	X	341.74300	317.76304	39.67065	13.82758	0.0476702	0.23261888	2.6184206	21	9 26.7	19.7
378284 2007 ES_{118}	17.4	X	186.70143	302.10326	187.69666	18.87681	0.0780995	0.23057543	2.6338682	21	8 13.3	21.7
378285 2007 EQ_{119}	17.1	X	32.31753	122.67640	136.12531	3.08066	0.0516067	0.22291145	2.6938979	21	7 20.9	20.4
378286 2007 EM_{129}	16.6	X	320.15164	105.17163	168.66228	8.63009	0.1220854	0.21562341	2.7542632	21	4 15.6	20.1
378287 2007 EF_{131}	17.9	X	325.39103	80.28987	27.57225	0.16538	0.1548823	0.25875264	2.4390060	21	—	—
378288 2007 EX_{132}	16.9	X	65.69373	240.74491	3.20019	3.59010	0.0898318	0.22994088	2.6387116	21	8 25.9	20.2
378289 2007 EH_{134}	17.3	X	175.10222	175.35734	10.16634	4.93868	0.0603947	0.24097427	2.5575390	21	10 16.3	20.8
378290 2007 EF_{136}	16.1	X	345.00146	188.20349	176.67782	27.08939	0.2218901	0.24044377	2.5612995	21	10 15.9	18.3
378291 2007 ER_{146}	17.7	X	287.53937	116.01343	19.36217	5.69530	0.1417612	0.25606964	2.4560130	21	—	—
378292 2007 EP_{150}	16.9	X	342.89909	247.65829	130.77291	4.73636	0.0756547	0.24296475	2.5435515	21	10 25.6	19.8
378293 2007 EW_{153}	16.6	X	62.55231	271.96905	13.62914	12.83510	0.0609034	0.23853016	2.5749799	21	10 11.4	20.0
378294 2007 EO_{157}	17.7	X	121.67399	172.28529	359.77447	3.43398	0.1211508	0.23233700	2.6205380	21	8 3.7	21.6
378295 2007 EP_{157}	17.6	X	13.03652	299.60595	125.87385	2.99291	0.1908135	0.26514301	2.3996575	21	—	—
378296 2007 EC_{158}	17.1	X	163.50600	30.82618	160.09475	4.74497	0.1924025	0.23810304	2.5780584	21	10 9.9	21.4
378297 2007 EL_{176}	16.9	X	262.60511	114.27561	351.84703	6.97720	0.1033229	0.24298991	2.5433759	21	10 13.2	20.0
378298 2007 ES_{178}	16.4	X	246.71779	238.75405	201.91400	21.47791	0.0657742	0.23308610	2.6149204	21	8 19.8	20.4
378299 2007 EX_{180}	16.0	X	54.80548	231.93151	7.62660	12.98756	0.2174269	0.22235083	2.6984241	21	8 28.4	19.5
378300 2007 EG_{191}	16.4	X	306.29251	130.89288	191.92150	13.41487	0.2059520	0.21719643	2.7409488	21	5 17.8	20.0
378301 2007 EH_{200}	16.9	X	157.01311	152.05725	32.59735	12.24215	0.1168621	0.23770254	2.5809534	21	9 29.1	20.9
378302 2007 EE_{212}	16.5	X	10.58883	2.40713	351.57229	9.98808	0.0950217	0.24440862	2.5335241	21	10 31.7	19.6
378303 2007 EP_{214}	16.5	X	16.56813	86.34053	184.09358	11.57570	0.1640466	0.22387238	2.6861836	21	7 19.1	19.5
378304 2007 EN_{217}	13.9	X	301.83749	140.81090	182.70960	27.14177	0.0754783	0.08438558	5.1478264	21	6 6.8	20.9
378305 2007 FC_{1}	17.7	X	72.49728	223.42757	43.06021	28.13290	0.2739168	0.37072641	1.9191122	21	11 10.0	20.4
378306 2007 FB_{11}	16.6	X	78.70133	7.57408	212.93881	13.57686	0.1901797	0.22451063	2.6810903	21	8 20.3	20.7
378307 2007 FO_{12}	17.4	X	214.34755	334.31070	196.29939	12.18610	0.1113700	0.24278851	2.5447823	21	11 8.5	21.1
378308 2007 FD_{14}	16.1	X	5.52517	223.26212	31.47607	12.94767	0.1672810	0.21822763	2.7323074	21	5 31.4	19.0
378309 2007 FK_{21}	17.9	X	342.98853	254.93326	161.45630	4.51142	0.1823223	0.25618083	2.4553023	21	12 28.5	20.1
378310 2007 FB_{27}	17.2	X	331.79803	188.14258	183.80577	4.98484	0.0630273	0.23690698	2.5867283	21	9 25.1	20.1
378311 2007 FR_{36}	16.1	X	335.42549	84.96144	193.37286	16.81264	0.1809197	0.21434566	2.7651981	21	5 8.7	19.3
378312 2007 FY_{43}	16.2	X	0.26355	359.88897	2.19886	6.93136	0.2679395	0.24260998	2.5460305	21	11 19.3	18.4
378313 2007 FF_{45}	16.9	X	33.15968	244.79942	20.24883	6.65841	0.0271914	0.22598037	2.6694528	21	7 31.3	20.4
378314 2007 FV_{46}	16.3	X	34.06110	200.21829	33.19167	8.26326	0.0263693	0.21851055	2.7299484	21	6 15.3	19.9
378315 2007 FL_{47}	17.0	X	312.38007	180.78381	188.09710	3.71644	0.0738949	0.23307781	2.6149824	21	8 18.2	20.1
378316 2007 FM_{49}	16.0	X	25.12135	157.66082	120.61419	15.26991	0.1101789	0.22578504	2.6709921	21	8 14.5	19.1
378317 2007 FA_{50}	16.8	X	166.84197	52.18645	142.79940	9.38938	0.1024916	0.23822396	2.5771860	21	10 21.8	20.8
378318 2007 GC_{4}	16.1	X	26.06314	205.95800	53.12282	11.72193	0.2299961	0.22128885	2.7070505	21	8 6.9	19.0
378319 2007 GM_{5}	17.2	X	162.49034	130.88593	82.02070	2.56092	0.1227033	0.23983479	2.5656334	21	11 5.5	21.1
378320 2007 GR_{6}	16.6	X	7.39089	117.47187	118.04345	10.44125	0.2308012	0.21373052	2.7705012	21	5 12.7	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378321 2007 GC_{17}	16.1	X	306.91064	314.81133	30.41874	14.56279	0.1941768	0.21899115	2.7259528	21	6 17.3	19.6
378322 2007 GX_{26}	16.4	X	73.61565	20.47531	171.14891	6.59565	0.0092511	0.21602448	2.7508531	21	6 12.9	20.2
378323 2007 GS_{36}	17.2	X	167.78526	326.91490	184.17820	7.01803	0.0793661	0.22985840	2.6393428	21	8 21.9	21.2
378324 2007 GO_{37}	16.5	X	298.71210	234.79538	71.54346	4.89929	0.0852808	0.21283335	2.7782816	21	5 3.5	20.2
378325 2007 GT_{40}	16.7	X	307.73382	157.41728	213.14445	14.91153	0.0779288	0.22619667	2.6677507	21	8 7.9	20.4
378326 2007 GH_{45}	17.3	X	153.96692	129.98138	52.63672	9.06665	0.1455372	0.23226515	2.6210784	21	9 23.9	21.6
378327 2007 GA_{46}	17.0	X	202.75532	98.59732	48.89728	12.14770	0.1331918	0.23562467	2.5961048	21	9 29.0	21.1
378328 2007 GQ_{55}	16.8	X	290.22123	293.00120	76.74618	7.49400	0.0583777	0.22446296	2.6814699	21	7 20.8	20.3
378329 2007 GG_{56}	16.9	X	345.57623	162.33052	149.52592	5.34164	0.1233801	0.22192817	2.7018491	21	7 19.8	19.8
378330 2007 GO_{64}	17.1	X	341.46774	7.95593	249.86705	2.41177	0.0448222	0.21122486	2.7923682	21	5 3.4	20.7
378331 2007 GX_{64}	16.4	X	329.17647	248.90035	27.09440	7.48266	0.1972176	0.20981617	2.8048528	21	4 19.8	19.5
378332 2007 GY_{75}	14.3	X	16.50006	55.63842	190.91412	4.41076	0.0925141	0.08287649	5.2101290	21	6 15.9	20.7
378333 2007 HW_{6}	16.7	X	331.47550	199.45303	193.47228	7.69371	0.0847402	0.24002265	2.5642945	21	10 25.3	19.4
378334 2007 HM_{9}	16.8	X	339.88060	87.79345	226.25338	4.23313	0.1069921	0.22086452	2.7105166	21	7 13.1	20.0
378335 2007 HS_{9}	17.0	X	153.17555	344.81022	180.31619	2.44367	0.0248701	0.23025620	2.6363020	21	8 23.1	20.7
378336 2007 HM_{13}	17.2	X	179.68675	9.21834	178.49840	4.56213	0.1794785	0.24001740	2.5643319	21	10 20.0	21.4
378337 2007 HP_{31}	17.2	X	179.10272	157.68060	30.10108	9.34449	0.0993539	0.23824605	2.5770267	21	10 22.2	21.1
378338 2007 HX_{31}	16.5	X	327.62095	84.51805	230.06459	10.71113	0.1480997	0.21740782	2.7391718	21	6 17.8	19.6
378339 2007 HB_{35}	16.9	X	136.17835	185.77170	29.06990	8.13235	0.1427738	0.23396794	2.6083457	21	10 13.5	20.8
378340 2007 HV_{42}	16.7	X	313.97303	177.37699	127.31337	3.33804	0.2359432	0.21142402	2.7906144	21	4 29.7	20.1
378341 2007 HV_{47}	16.8	X	325.04102	165.91279	122.86488	2.85872	0.1701212	0.21153896	2.7896035	21	5 6.0	19.9
378342 2007 HP_{48}	16.8	X	18.47056	208.19543	72.28714	4.33544	0.0470903	0.22262029	2.6962463	21	7 31.3	20.2
378343 2007 HR_{51}	16.3	X	301.11719	277.30589	67.56677	7.62258	0.0953765	0.21880555	2.7274941	21	6 25.3	19.7
378344 2007 HS_{59}	16.8	X	80.84858	179.23368	40.13293	10.95641	0.0581916	0.22423081	2.6833203	21	8 11.8	20.6
378345 2007 HQ_{63}	16.3	X	333.78448	244.76854	47.21016	13.67463	0.2051090	0.21350532	2.7724491	21	5 18.5	19.1
378346 2007 HN_{69}	16.3	X	307.71808	256.25072	73.44859	13.25218	0.1782363	0.21749954	2.7384017	21	6 1.4	19.6
378347 2007 HS_{80}	16.5	X	81.86963	17.04011	210.93807	12.46749	0.1348623	0.22619232	2.6677849	21	8 26.9	20.4
378348 2007 HA_{83}	15.9	X	35.19248	171.55507	71.10574	12.89745	0.0377932	0.21955803	2.7212587	21	7 1.3	19.5
378349 2007 HK_{87}	16.3	X	18.95182	226.31588	68.19495	9.25705	0.0938712	0.22275717	2.6951416	21	8 28.8	19.6
378350 2007 HP_{87}	16.5	X	103.27725	166.04225	39.57164	14.76862	0.1799756	0.22658585	2.6646951	21	9 9.1	20.8
378351 2007 HF_{97}	16.2	X	306.92292	307.40120	65.08828	14.04461	0.0589331	0.22307228	2.6926029	21	8 24.2	19.9
378352 2007 JC_{9}	15.8	X	328.04555	265.77864	51.81609	15.76012	0.1598812	0.21619729	2.7493870	21	6 20.2	19.0
378353 2007 JR_{21}	16.4	X	318.97450	85.68872	227.36554	7.21763	0.1482720	0.21376081	2.7702396	21	6 1.4	19.7
378354 2007 JU_{23}	16.4	X	72.68662	178.36876	57.13292	10.66055	0.2056836	0.22256678	2.6966784	21	9 14.8	20.4
378355 2007 KG_{2}	12.9	X	75.08397	104.86591	75.54767	19.15463	0.1368028	0.08172454	5.2589743	21	6 20.5	19.8
378356 2007 KL_{2}	16.6	X	107.15029	329.85315	252.64081	11.96593	0.2005510	0.22804629	2.6533062	21	9 22.6	21.1
378357 2007 KS_{3}	16.5	X	74.58819	209.50847	60.68539	13.00023	0.1670957	0.23213558	2.6220536	21	10 25.4	20.3
378358 2007 LD	19.3	X	96.25029	316.90347	226.22867	16.49250	0.4391222	0.43443612	1.7265749	21	8 21.9	22.5
378359 2007 LX_{2}	17.7	X	212.30270	284.40803	214.78256	21.15534	0.0614055	0.37226044	1.9138363	21	10 15.9	19.6
378360 2007 LH_{7}	16.9	X	221.14223	4.71741	136.34776	5.21126	0.2267048	0.23836110	2.5761973	21	9 27.4	20.9
378361 2007 LA_{14}	17.9	X	284.27928	187.86293	240.03019	19.80326	0.0782591	0.37017516	1.9210170	21	10 13.7	19.7
378362 2007 LZ_{15}	16.8	X	43.47666	39.71278	205.99956	13.63410	0.1159842	0.21799279	2.7342694	21	7 24.3	20.5
378363 2007 LK_{17}	15.9	X	318.88648	268.80445	60.98362	13.50083	0.1415972	0.21623454	2.7490713	21	6 24.9	19.3
378364 2007 LU_{24}	16.9	X	294.74953	109.89743	220.70766	5.02176	0.0537409	0.21253340	2.7808950	21	6 3.6	20.7
378365 2007 LL_{25}	16.4	X	184.92231	134.89209	244.06371	9.81214	0.0918595	0.19111616	2.9849549	21	3 24.1	21.2
378366 2007 MR_{2}	16.3	X	327.05339	180.29370	166.80927	13.38876	0.1047825	0.21986750	2.7187046	21	8 6.6	19.6
378367 2007 MB_{5}	16.4	X	108.38642	90.49791	123.74004	13.08101	0.1095703	0.22512591	2.6762030	21	9 14.3	20.5
378368 2007 MR_{5}	15.9	X	244.28084	237.26731	110.81555	7.22559	0.1375286	0.19724973	2.9227507	21	4 19.5	20.5
378369 2007 ME_{16}	16.5	X	179.27426	214.25425	134.38474	13.36626	0.3112343	0.18154779	3.0889348	21	2 25.1	22.1
378370 2007 ON_{5}	15.9	X	169.81768	94.09705	238.10552	15.62772	0.1897586	0.17424730	3.1746219	21	1 20.8	21.4
378371 2007 PH_{13}	15.8	X	192.86048	227.91781	127.67648	11.99189	0.1839159	0.18563266	3.0434520	21	3 13.3	21.0
378372 2007 PA_{14}	16.2	X	163.66520	184.05566	122.49201	5.21138	0.2292947	0.17173983	3.2054477	21	—	—
378373 2007 PU_{14}	15.9	X	206.75188	191.95349	125.07099	9.38996	0.2518675	0.18127551	3.0920271	21	2 6.2	21.3
378374 2007 PP_{23}	15.1	X	135.68524	64.12112	287.85497	12.59715	0.2688057	0.17160588	3.2071155	21	1 24.3	20.4
378375 2007 PZ_{23}	15.6	X	169.86312	26.91663	303.40366	8.49673	0.2282510	0.17499786	3.1655382	21	1 25.1	21.0
378376 2007 PM_{25}	15.5	X	143.92920	79.59630	307.40160	14.93066	0.2628774	0.17805260	3.1292277	21	3 5.9	21.0
378377 2007 PY_{29}	15.4	X	164.45867	222.73034	152.72754	28.34014	0.1402069	0.18004117	3.1061434	21	3 8.9	20.4
378378 2007 PF_{34}	16.3	X	243.33184	309.11895	323.50393	11.63730	0.3490673	0.18255835	3.0775250	21	1 10.9	22.1
378379 2007 QM	15.6	X	142.08775	225.01147	167.46116	28.96084	0.2955764	0.17618529	3.1512990	21	3 20.3	21.0
378380 2007 QN_{10}	15.9	X	124.11405	71.32371	336.50281	10.97331	0.0534988	0.17824019	3.1270318	21	2 23.3	20.4
378381 2007 QG_{13}	15.4	X	175.55372	316.19909	45.27691	17.63693	0.2033101	0.17802730	3.1295242	21	3 13.3	20.9
378382 2007 QB_{14}	16.2	X	102.94331	62.36124	351.23446	10.43611	0.0682772	0.17479757	3.1679558	21	2 10.1	20.6
378383 2007 QN_{14}	16.7	X	153.36864	342.96206	56.31461	1.65903	0.1747731	0.18124926	3.0923256	21	3 28.1	21.5
378384 2007 QR_{14}	16.2	X	127.19806	74.26758	330.98984	12.54593	0.2972341	0.17497674	3.1657929	21	3 18.7	21.5
378385 2007 QB_{15}	16.3	X	170.87748	72.26144	287.23717	2.03525	0.1770762	0.17897471	3.1184703	21	2 24.2	21.5
378386 2007 QH_{15}	16.1	X	117.69333	250.18217	180.63063	10.55428	0.0313877	0.18121882	3.0926719	21	3 11.1	20.4
378387 2007 QR_{16}	15.5	X	202.91303	127.06272	154.45648	27.31597	0.1771843	0.17368661	3.1814504	21	—	—
378388 2007 QW_{17}	16.0	X	132.00030	24.46402	7.33787	10.55271	0.0552646	0.17625321	3.1504895	21	2 17.3	20.6
378389 2007 RL_{3}	16.7	X	201.30257	333.23172	351.87587	0.87227	0.1895948	0.18089831	3.0963238	21	2 10.7	21.9
378390 2007 RX_{6}	15.5	X	205.74543	47.45900	292.63461	9.59501	0.0279963	0.18362904	3.0655504	21	2 27.6	20.1
378391 2007 RX_{28}	16.0	X	103.64349	238.97218	173.38334	9.38869	0.0447794	0.17353455	3.1833086	21	2 2.1	20.6
378392 2007 RP_{29}	16.1	X	226.08229	106.25729	191.46763	21.31480	0.2266531	0.18101547	3.0949876	21	1 25.6	21.8
378393 2007 RG_{31}	15.6	X	137.36652	88.41905	318.99964	15.13217	0.2494173	0.17805907	3.1291519	21	3 22.2	21.0
378394 2007 RC_{40}	15.9	X	178.59430	245.61703	112.77377	3.14578	0.1026853	0.17832953	3.1259872	21	2 28.2	20.7
378395 2007 RU_{45}	16.5	X	318.34064	13.35406	236.49449	4.59829	0.1100541	0.18671187	3.0317130	21	3 14.3	20.7
378396 2007 RO_{46}	15.6	X	153.03962	58.05909	339.10480	9.01545	0.0306909	0.18015752	3.1048059	21	3 11.6	20.1
378397 2007 RQ_{52}	16.2	X	144.67606	224.26605	191.92429	5.28018	0.1393789	0.17894839	3.1187760	21	4 5.9	21.1
378398 2007 RN_{53}	15.8	X	132.55836	80.22378	275.47161	3.91787	0.1204958	0.16770639	3.2566391	21	1 12.0	20.6
378399 2007 RY_{55}	15.5	X	186.27211	6.81641	348.83505	15.25312	0.2190150	0.17937580	3.1138198	21	3 6.7	20.9
378400 2007 RM_{59}	16.3	X	108.01615	271.18940	178.57478	9.53690	0.1012615	0.18145220	3.0900195	21	4 3.0	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378401 2007 RD_{70}	16.6	X	149.37032	264.11556	111.37361	3.18526	0.1807931	0.17625906	3.1504197	21	2 26.2	21.5
378402 2007 RE_{71}	15.8	X	243.42382	295.64674	357.89229	21.13492	0.2274193	0.18347189	3.0673007	21	2 13.8	21.2
378403 2007 RL_{74}	16.3	X	193.19566	12.62440	2.45646	2.54968	0.1094202	0.18600398	3.0394003	21	4 1.1	21.0
378404 2007 RS_{77}	16.5	X	169.79191	148.03932	180.13164	0.61590	0.1610975	0.17394934	3.1782461	21	1 19.0	21.5
378405 2007 RS_{90}	15.9	X	150.77488	2.25409	5.91304	9.26438	0.0777355	0.17373657	3.1808404	21	2 12.4	20.7
378406 2007 RB_{95}	15.6	X	213.71858	290.35728	19.55534	17.40325	0.0413562	0.17375236	3.1806478	21	2 13.9	20.6
378407 2007 RQ_{96}	15.5	X	45.32748	148.37089	27.63173	15.29760	0.1442110	0.18261538	3.0768842	21	4 28.4	19.1
378408 2007 RV_{108}	16.2	X	50.18337	305.52914	231.38052	1.60833	0.1241347	0.18685402	3.0301752	21	5 6.7	19.7
378409 2007 RZ_{108}	16.0	X	79.37937	123.64461	359.21948	16.07776	0.0637758	0.18107066	3.0943588	21	3 30.3	20.2
378410 2007 RR_{118}	15.8	X	154.06602	212.93423	191.30868	7.80701	0.0648097	0.17801975	3.1296126	21	3 25.5	20.5
378411 2007 RS_{119}	15.8	X	214.65164	152.05617	166.23173	9.78209	0.0752023	0.17835172	3.1257280	21	2 14.4	20.7
378412 2007 RJ_{128}	16.9	X	123.02065	284.39324	149.67522	1.63479	0.1601847	0.17701925	3.1413938	21	4 8.2	21.5
378413 2007 RR_{128}	16.6	X	75.94615	75.72502	15.67478	12.18978	0.1339753	0.17106563	3.2138643	21	3 4.4	20.9
378414 2007 RX_{129}	17.6	X	233.62147	241.05118	128.22349	1.15851	0.2107128	0.26133831	2.4228917	21	4 23.4	21.6
378415 2007 RL_{130}	16.4	X	146.22224	250.10178	131.00215	1.30038	0.2055764	0.17333893	3.1857032	21	3 3.5	21.5
378416 2007 RU_{143}	17.4	X	232.36651	90.22011	343.88721	14.86748	0.1130024	0.34504835	2.0131806	21	7 31.9	20.0
378417 2007 RV_{166}	16.5	X	155.51949	225.11165	157.79108	7.34342	0.0808155	0.17929852	3.1147145	21	3 3.4	21.2
378418 2007 RV_{174}	16.1	X	194.58246	314.83974	43.01562	8.47789	0.0567850	0.17953778	3.1119467	21	3 17.0	20.8
378419 2007 RU_{187}	15.8	X	162.42633	164.57722	213.59026	18.11451	0.2361896	0.17875957	3.1209719	21	3 10.3	21.3
378420 2007 RR_{201}	16.1	X	111.30515	67.37766	2.05539	8.92602	0.1444151	0.17446223	3.1720141	21	3 19.1	20.6
378421 2007 RX_{205}	16.1	X	163.72722	74.50308	348.10084	13.09100	0.2476628	0.18532321	3.0468390	21	4 30.9	21.6
378422 2007 RP_{207}	16.1	X	172.05589	1.97349	18.15263	7.40221	0.1626162	0.18011818	3.1052579	21	3 22.2	21.1
378423 2007 RM_{209}	15.5	X	159.57203	337.94664	9.22517	27.36110	0.1345893	0.17240295	3.1972229	21	2 12.2	20.9
378424 2007 RK_{212}	16.5	X	129.91334	90.71785	328.19010	4.47139	0.1998834	0.17646847	3.1479268	21	3 30.0	21.4
378425 2007 RY_{220}	16.0	X	357.90181	321.80174	214.88610	4.52242	0.1254382	0.17379923	3.1800759	21	2 8.9	19.9
378426 2007 RV_{221}	16.2	X	228.74257	113.82516	204.20285	9.26733	0.1008596	0.17846015	3.1244618	21	2 25.6	21.1
378427 2007 RU_{222}	15.6	X	173.28590	281.13300	46.83105	16.70424	0.2391839	0.17442898	3.1724172	21	1 30.5	21.3
378428 2007 RD_{224}	16.5	X	121.10467	75.60927	306.88335	3.62740	0.1701132	0.17180677	3.2046151	21	2 5.2	21.1
378429 2007 RL_{224}	15.8	X	93.75195	288.08760	177.08816	18.70626	0.1345221	0.18134118	3.0912806	21	4 10.6	20.1
378430 2007 RE_{230}	16.2	X	163.66322	335.73389	22.52818	2.38458	0.0998225	0.17542581	3.1603879	21	2 13.5	21.1
378431 2007 RV_{232}	15.8	X	122.21602	233.21960	168.66623	15.35432	0.1999172	0.17313536	3.1881998	21	3 4.1	20.7
378432 2007 RP_{239}	15.6	X	190.71368	8.01163	341.26857	8.65499	0.0632844	0.18056746	3.1001050	21	2 27.2	20.1
378433 2007 RT_{246}	15.8	X	136.69042	71.76131	312.01097	7.79699	0.2065157	0.17270508	3.1934931	21	2 24.2	21.0
378434 2007 RT_{249}	15.6	X	197.80506	85.06662	235.31718	14.66935	0.2510700	0.17654507	3.1470162	21	1 29.9	21.4
378435 2007 RA_{250}	15.9	X	237.75673	95.53881	223.43242	9.05806	0.1018713	0.18306169	3.0718811	21	3 6.4	20.9
378436 2007 RG_{267}	16.9	X	191.21976	241.93349	98.99208	2.37382	0.1800373	0.17782167	3.1319363	21	2 21.5	22.1
378437 2007 RJ_{269}	16.3	X	132.37630	107.84918	334.87044	4.08547	0.1128208	0.18217834	3.0818031	21	4 20.8	20.9
378438 2007 RO_{272}	16.1	X	17.44114	285.28200	214.06202	7.36862	0.0213175	0.17173665	3.2054872	21	1 27.2	20.6
378439 2007 RJ_{285}	16.3	X	196.21198	319.52739	32.48544	3.28219	0.1210479	0.17984605	3.1083896	21	3 9.9	21.2
378440 2007 RO_{289}	16.1	X	123.81270	42.38641	22.45081	9.24513	0.0741881	0.17566515	3.1575166	21	3 20.6	20.6
378441 2007 RO_{292}	16.2	X	131.10711	357.72367	21.73925	5.00364	0.1476930	0.17101786	3.2144627	21	2 11.7	21.1
378442 2007 RO_{293}	16.3	X	251.00969	157.90418	132.38841	1.73500	0.1390699	0.18041116	3.1018951	21	2 14.8	21.3
378443 2007 RQ_{293}	15.9	X	120.67919	51.79641	13.69324	15.95786	0.0775542	0.17716212	3.1397047	21	3 19.0	20.4
378444 2007 RA_{296}	16.3	X	50.51715	229.87062	257.38942	2.68299	0.1540257	0.17261122	3.1946506	21	3 7.1	20.0
378445 2007 RA_{301}	16.0	X	128.72975	62.40794	19.17972	5.07118	0.1352228	0.18046216	3.1013107	21	4 19.2	20.6
378446 2007 RD_{301}	16.5	X	303.59971	231.96418	27.18300	9.06365	0.0503715	0.18081529	3.0972715	21	3 20.8	20.8
378447 2007 RS_{310}	15.8	X	217.94369	8.54855	300.42258	6.87461	0.2544405	0.17920108	3.1158435	21	2 3.9	21.4
378448 2007 RS_{311}	16.2	X	165.28057	134.52502	246.11723	4.20891	0.1644852	0.18073598	3.0981775	21	3 13.7	21.3
378449 2007 RP_{312}	16.3	X	182.04223	186.46171	189.95909	11.39609	0.1340239	0.18179361	3.0861496	21	3 23.8	21.3
378450 2007 RS_{312}	15.8	X	132.32969	269.90604	101.49965	13.78877	0.2104233	0.17034888	3.2228730	21	2 10.9	20.9
378451 2007 RY_{312}	16.3	X	196.45852	346.86244	14.76064	5.97474	0.1803010	0.18450795	3.0558075	21	3 20.9	21.3
378452 2007 RA_{313}	15.9	X	228.28079	112.31134	241.03376	11.01496	0.1327713	0.18999367	2.9967002	21	4 4.6	20.9
378453 2007 RD_{315}	15.5	X	193.29394	31.55824	317.85524	11.49005	0.0996341	0.18178469	3.0862505	21	2 27.7	20.3
378454 2007 RZ_{317}	16.2	X	176.98930	346.08573	30.28025	8.97152	0.0725724	0.17877110	3.1208377	21	3 20.3	20.9
378455 2007 RA_{318}	16.0	X	154.54848	337.84461	37.22867	9.72285	0.1610773	0.17445609	3.1720885	21	3 4.4	21.1
378456 2007 RO_{318}	16.5	X	102.19206	284.46714	176.49556	10.23596	0.2080452	0.17779969	3.1321944	21	4 25.9	21.2
378457 2007 RZ_{318}	15.9	X	244.98112	274.99825	23.71260	10.80012	0.1071502	0.18225608	3.0809267	21	2 25.2	20.7
378458 2007 ST	15.7	X	140.27764	266.47075	109.59717	14.14236	0.3004031	0.17432432	3.1736867	21	3 3.9	21.2
378459 2007 SG_{6}	15.4	X	152.51893	345.80875	37.73523	15.77383	0.1267727	0.17361613	3.1823114	21	3 12.9	20.5
378460 2007 SL_{23}	15.9	X	171.69761	313.15599	23.10267	7.57717	0.1462836	0.17448544	3.1717328	21	1 31.6	21.0
378461 2007 TV	16.1	X	194.82811	137.00528	198.47847	15.19111	0.2240973	0.18032683	3.1028621	21	2 14.2	21.7
378462 2007 TF_{6}	15.6	X	139.56069	91.16760	301.05811	7.90336	0.0860447	0.17433327	3.1735782	21	2 23.9	20.4
378463 2007 TN_{7}	16.3	X	165.11373	157.50064	231.05031	4.66509	0.1730631	0.17789192	3.1311117	21	3 23.8	21.5
378464 2007 TP_{15}	15.9	X	156.17146	297.66318	80.58975	10.14632	0.0869167	0.17431632	3.1737838	21	3 4.3	20.8
378465 2007 TV_{19}	16.0	X	146.31940	195.77037	206.45901	5.07574	0.1801623	0.17635487	3.1492785	21	3 24.5	21.1
378466 2007 TF_{20}	15.6	X	136.66615	38.59404	11.33860	11.09975	0.0733597	0.17628757	3.1500800	21	3 16.7	20.3
378467 2007 TK_{24}	17.1	X	151.53291	62.27068	301.64644	2.09927	0.2175838	0.17343970	3.1844691	21	2 16.5	22.2
378468 2007 TL_{26}	15.5	X	295.65976	233.11371	356.20870	16.10180	0.1619575	0.17967933	3.1103121	21	1 21.8	20.3
378469 2007 TA_{32}	15.7	X	182.50120	259.26701	75.53277	16.05544	0.2932389	0.17624430	3.1505956	21	2 15.5	21.6
378470 2007 TV_{59}	15.8	X	67.80248	294.15949	172.60845	25.96717	0.1450946	0.17583185	3.1555206	21	3 7.4	19.7
378471 2007 TH_{68}	16.2	X	164.77532	52.15779	309.86210	9.32381	0.2411626	0.17646558	3.1479612	21	2 24.1	21.7
378472 2007 TS_{76}	16.5	X	171.49253	250.06991	125.57039	2.57062	0.0999739	0.18172444	3.0869327	21	3 12.8	21.2
378473 2007 TL_{90}	16.3	X	137.29758	235.07234	154.20205	4.45804	0.1767993	0.17051398	3.2207923	21	3 2.6	21.3
378474 2007 TV_{103}	15.7	X	68.81270	68.69007	54.58837	9.69163	0.0856747	0.17141640	3.2094785	21	3 27.7	20.1
378475 2007 TJ_{106}	15.7	X	125.47614	256.40337	154.52779	16.59521	0.1568731	0.18039872	3.1020378	21	3 14.5	20.4
378476 2007 TM_{110}	16.1	X	149.73633	56.27791	317.47521	8.56829	0.2666773	0.17501449	3.1653377	21	2 28.1	21.5
378477 2007 TO_{115}	15.7	X	188.72848	275.85573	69.27897	10.13620	0.2177979	0.17611438	3.1521449	21	3 1.1	21.2
378478 2007 TU_{117}	15.8	X	280.38376	202.25151	65.16646	10.69760	0.0577153	0.17475468	3.1684742	21	3 5.4	20.5
378479 2007 TJ_{123}	16.0	X	192.81621	298.08443	46.64251	10.22538	0.0848493	0.17394483	3.1783011	21	3 2.1	21.0
378480 2007 TM_{138}	16.1	X	163.37400	239.17278	124.96943	1.25852	0.2213960	0.17840358	3.1251223	21	2 26.8	21.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378481 2007 TD_{148}	15.4	X	187.05684	285.95746	45.39214	16.76497	0.2304928	0.17400282	3.1775949	21	2 15.5	21.2
378482 2007 TY_{150}	16.0	X	168.62243	120.88178	237.81124	6.88104	0.1942032	0.17570990	3.1569805	21	2 20.4	21.3
378483 2007 TF_{152}	15.7	X	180.59400	64.71359	264.60642	4.06574	0.1390153	0.17259218	3.1948856	21	1 27.9	20.8
378484 2007 TB_{156}	15.8	X	163.45270	134.48849	210.79291	26.21213	0.1786185	0.17101218	3.2145340	21	1 27.9	21.5
378485 2007 TV_{157}	16.4	X	120.17121	88.54674	341.42836	3.73304	0.2428140	0.17387256	3.1791817	21	4 7.9	21.3
378486 2007 TT_{168}	15.9	X	200.55442	111.90582	279.85722	3.95410	0.1678216	0.18359864	3.0658889	21	4 26.5	20.9
378487 2007 TS_{173}	16.0	X	117.82369	167.22252	230.95252	3.52399	0.1485717	0.16989002	3.2286736	21	2 16.5	20.7
378488 2007 TT_{180}	15.5	X	144.93007	145.96425	240.53962	16.43393	0.2141611	0.17421861	3.1749704	21	3 1.9	21.0
378489 2007 TB_{182}	16.1	X	148.24122	168.54884	218.46965	15.62399	0.0998123	0.17284348	3.1917881	21	2 25.9	21.2
378490 2007 TB_{212}	15.8	X	159.72052	141.86823	244.27637	8.11411	0.0875782	0.17440263	3.1727367	21	3 8.8	20.7
378491 2007 TA_{222}	16.0	X	113.42271	45.13124	31.15880	12.10603	0.0662306	0.17541284	3.1605437	21	3 23.0	20.5
378492 2007 TE_{235}	15.5	X	68.18373	89.97629	30.48906	16.25263	0.0622768	0.17398520	3.1778094	21	3 21.8	19.9
378493 2007 TL_{259}	16.1	X	133.71609	68.42994	350.58748	2.26092	0.1655726	0.17601067	3.1533829	21	3 31.7	21.0
378494 2007 TZ_{274}	16.6	X	211.52944	67.86693	271.22351	1.86593	0.0868180	0.18386734	3.0629012	21	3 6.9	21.4
378495 2007 TL_{280}	15.7	X	150.79765	169.02322	224.35482	11.94139	0.1381880	0.17741554	3.1367142	21	3 11.9	20.8
378496 2007 TL_{281}	16.1	X	222.90243	51.07130	240.79515	3.88503	0.1499121	0.17450123	3.1715414	21	1 21.8	21.3
378497 2007 TJ_{300}	16.1	X	273.04120	76.93554	204.37858	7.64765	0.0856881	0.17761193	3.1344015	21	3 2.1	20.8
378498 2007 TE_{311}	15.6	X	138.28122	5.21369	17.15079	12.10848	0.0531881	0.17200939	3.2020980	21	2 14.9	20.4
378499 2007 TU_{311}	16.0	X	346.05602	132.35518	68.58753	4.48499	0.1062990	0.17538646	3.1608606	21	2 26.9	20.0
378500 2007 TG_{379}	16.6	X	168.48421	32.95820	352.80178	0.39458	0.1588309	0.17819389	3.1275734	21	3 24.3	21.7
378501 2007 TE_{393}	15.2	X	19.18023	109.48540	79.11165	7.96420	0.0532162	0.17863840	3.1223830	21	4 5.0	19.4
378502 2007 TW_{404}	17.2	X	226.92046	306.42888	4.56573	2.98254	0.1313592	0.24556791	2.5255442	21	2 9.2	21.1
378503 2007 TR_{413}	15.7	X	140.42582	316.43492	69.33186	19.14656	0.2059736	0.17281770	3.1921054	21	3 13.7	21.2
378504 2007 TK_{418}	16.5	X	179.84417	54.59232	40.00832	2.82638	0.1690490	0.18872278	3.0101386	21	6 24.7	21.6
378505 2007 TS_{421}	15.6	X	122.58633	272.26306	120.15767	16.91937	0.2030162	0.17016892	3.2251448	21	2 25.6	20.6
378506 2007 TB_{438}	16.2	X	205.28589	131.57248	193.80272	4.76835	0.1254799	0.17740584	3.1368285	21	2 13.1	21.3
378507 2007 TH_{445}	14.9	X	173.29765	255.30906	71.24485	24.12876	0.1883478	0.16997578	3.2275875	21	1 24.8	20.5
378508 2007 TH_{449}	15.4	X	218.03418	57.63786	245.09980	14.74174	0.0935276	0.16881545	3.2423601	21	1 27.8	20.7
378509 2007 UP_{9}	15.8	X	127.94651	314.34039	99.28085	6.64476	0.1393564	0.17369461	3.1813527	21	3 20.6	20.6
378510 2007 UB_{14}	16.0	X	309.15124	70.05335	168.44082	6.48248	0.0067301	0.17838489	3.1253405	21	3 5.8	20.5
378511 2007 UO_{14}	16.2	X	120.83230	358.40160	21.13598	3.29710	0.0312702	0.16757637	3.2583234	21	1 16.4	20.8
378512 2007 UE_{19}	16.5	X	141.21390	71.43796	352.27021	0.77944	0.1053306	0.17870562	3.1215999	21	4 8.1	21.1
378513 2007 UN_{23}	15.7	X	96.63452	29.46003	61.57640	8.83486	0.0290904	0.17254455	3.1954735	21	3 16.4	20.3
378514 2007 UX_{28}	16.0	X	121.16889	67.92427	0.66584	9.91474	0.1006370	0.17542096	3.1604462	21	3 22.9	20.6
378515 2007 UU_{56}	15.2	X	90.09555	253.23035	220.81139	16.32705	0.0629604	0.17500552	3.1654458	21	4 2.6	19.8
378516 2007 UG_{62}	15.8	X	302.64229	207.63742	14.88540	8.91201	0.0449486	0.17393234	3.1784532	21	2 5.7	20.4
378517 2007 UF_{88}	17.8	X	285.02967	219.59621	41.88448	4.66535	0.0320476	0.31543572	2.1372835	21	2 7.2	20.2
378518 2007 UP_{93}	15.8	X	180.16776	121.47158	224.93765	18.02155	0.1420598	0.17176435	3.2051427	21	2 10.9	21.3
378519 2007 UT_{121}	15.9	X	222.24623	107.83345	217.51608	3.93914	0.1469926	0.17929841	3.1147157	21	2 27.3	20.9
378520 2007 VP_{20}	15.7	X	145.06684	38.59902	17.71326	18.65562	0.2603388	0.17936749	3.1139160	21	4 13.8	21.0
378521 2007 VB_{26}	16.3	X	227.43643	269.20282	19.25288	10.51422	0.1748833	0.17362233	3.1822355	21	1 25.3	21.7
378522 2007 VV_{67}	16.2	X	178.27632	330.03884	22.71959	7.51912	0.1119755	0.17685561	3.1433313	21	2 23.8	21.2
378523 2007 VY_{88}	15.4	X	158.45698	191.16325	279.66584	10.14879	0.0570760	0.18642923	3.0347765	21	6 20.7	19.9
378524 2007 VP_{154}	16.2	X	185.90691	331.90842	8.14826	6.58352	0.0443364	0.16812721	3.2512027	21	2 14.4	21.1
378525 2007 VV_{177}	16.2	X	114.87477	252.94418	202.36822	15.26709	0.2416061	0.17811640	3.1284805	21	5 5.2	21.2
378526 2007 VH_{186}	20.1	X	308.37863	15.24497	51.45786	19.23464	0.1966769	0.49910473	1.5740128	21	—	—
378527 2007 VK_{243}	15.2	X	275.95491	356.80758	135.89262	3.59228	0.1790582	0.12589785	3.9426707	21	11 7.7	20.6
378528 2007 WT_{63}	18.2	X	158.47113	345.80771	69.40440	3.61898	0.1865817	0.31593165	2.1350463	21	4 11.9	21.2
378529 2007 YC_{22}	18.0	X	201.25521	163.65537	198.35250	1.30960	0.0330969	0.31307656	2.1480069	21	3 7.1	20.3
378530 2007 YF_{51}	17.6	X	189.33207	53.74966	290.16876	5.71383	0.0819559	0.30629725	2.1795859	21	1 30.2	20.4
378531 2008 AR_{8}	15.2	X	197.63952	76.07582	120.29163	2.29895	0.1530233	0.12371537	3.9889042	21	11 4.2	21.3
378532 2008 AP_{28}	16.5	X	18.04598	220.18142	151.55886	26.46142	0.4035901	0.27707146	2.3302804	21	—	—
378533 2008 AB_{55}	18.1	X	67.92976	354.89670	111.68203	3.09802	0.0966986	0.30433791	2.1889307	21	2 1.6	20.0
378534 2008 AZ_{91}	15.2	X	173.63139	243.07206	326.57769	7.97768	0.1128611	0.12504592	3.9605579	21	10 26.5	21.4
378535 2008 AN_{98}	17.7	X	289.44908	226.27355	333.42334	5.85538	0.0454245	0.29253169	2.2474365	21	—	—
378536 2008 AX_{100}	15.5	X	155.74999	327.95408	144.92495	22.63678	0.0228570	0.17447379	3.1718739	21	6 20.9	20.5
378537 2008 AY_{127}	18.1	X	103.64702	199.32078	158.37723	2.68989	0.0892043	0.28972062	2.2619506	21	—	—
378538 2008 AC_{138}	17.7	X	93.02292	157.00932	274.82116	5.15614	0.1034156	0.30194084	2.2005005	21	1 24.5	19.9
378539 2008 BA_{6}	15.6	X	204.33058	257.97417	138.38087	8.62844	0.0668565	0.17152659	3.2081038	21	5 12.9	20.5
378540 2008 BF_{36}	16.8	X	167.36482	117.37458	152.34928	7.26323	0.1982443	0.27309124	2.3528678	21	—	—
378541 2008 BO_{36}	17.4	X	214.52639	87.86116	145.55836	4.48805	0.0943750	0.27777118	2.3263654	21	—	—
378542 2008 CE_{4}	18.0	X	295.84286	120.91241	84.66754	4.12146	0.0826769	0.29382245	2.2408497	21	—	—
378543 2008 CY_{11}	16.9	X	254.78055	243.33756	344.11026	6.63535	0.0697804	0.28750092	2.2735782	21	—	—
378544 2008 CA_{25}	17.9	X	49.46723	343.42909	96.35300	3.11550	0.1234539	0.29172945	2.2515549	21	—	—
378545 2008 CJ_{25}	17.4	X	251.14357	84.37688	126.77781	4.26854	0.1406430	0.28099242	2.3085519	21	—	—
378546 2008 CP_{34}	17.4	X	50.60906	152.62488	327.85537	4.57215	0.0369315	0.29958147	2.2120389	21	1 23.0	19.7
378547 2008 CU_{43}	17.5	X	254.43549	47.38745	146.85142	5.96452	0.1840025	0.27674667	2.3321033	21	—	—
378548 2008 CW_{44}	17.9	X	90.02867	299.87393	126.25884	6.55351	0.1279460	0.29680294	2.2258228	21	1 16.5	19.7
378549 2008 CW_{80}	17.9	X	132.04973	214.98955	41.56090	2.74867	0.1377134	0.26696965	2.3886991	21	12 2.7	21.4
378550 2008 CU_{103}	15.6	X	305.27507	195.86763	260.27026	4.76387	0.0567627	0.12457242	3.9705876	21	11 15.8	20.9
378551 2008 CM_{108}	17.3	X	280.22693	324.82554	253.28134	3.61948	0.1854667	0.28790466	2.2714521	21	—	—
378552 2008 CZ_{110}	17.5	X	342.77296	126.20702	359.56845	6.30575	0.1095904	0.28796961	2.2711106	21	—	—
378553 2008 CN_{138}	17.7	X	18.24969	154.39366	346.91151	4.06194	0.1356849	0.29618212	2.2289320	21	—	—
378554 2008 CD_{147}	17.6	X	124.61147	97.02665	295.97909	5.49027	0.0689001	0.29708203	2.2244286	21	1 14.8	20.1
378555 2008 CW_{152}	17.3	X	331.00914	267.17029	242.37023	5.44668	0.0966675	0.28834233	2.2691530	21	—	—
378556 2008 CL_{156}	17.6	X	185.98089	173.08804	58.92396	2.29147	0.1961563	0.26991383	2.3712971	21	12 20.3	21.3
378557 2008 CY_{159}	17.8	X	43.98478	238.19069	198.62944	2.96245	0.0868883	0.28798660	2.2710212	21	—	—
378558 2008 CB_{164}	17.2	X	78.26010	158.67937	298.02416	7.61782	0.0591891	0.30177246	2.2013190	21	1 31.4	19.4
378559 2008 CW_{170}	17.0	X	276.68200	286.54168	302.35482	6.61533	0.0925727	0.29143081	2.2530928	21	—	—
378560 2008 CH_{172}	17.3	X	314.80473	211.42169	342.25897	6.49734	0.0368080	0.29609113	2.2293886	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378561 2008 CC_{183}	17.7	X	322.75114	65.05318	91.25474	5.74888	0.0818892	0.28623976	2.2802514	21	—	—
378562 2008 CG_{184}	17.7	X	344.92444	100.61275	32.88726	6.57143	0.0829614	0.28807324	2.2705659	21	—	—
378563 2008 CU_{193}	18.0	X	261.79607	32.81359	177.74459	3.77534	0.0658663	0.28389788	2.2927742	21	—	—
378564 2008 CF_{197}	18.3	X	331.53620	9.50401	167.96807	2.05635	0.0582255	0.29346680	2.2426598	21	—	—
378565 2008 CK_{201}	17.7	X	126.55077	195.33671	69.98396	3.07673	0.1661989	0.26407730	2.4061092	21	12 8.7	21.5
378566 2008 CL_{205}	15.4	X	223.34417	205.98871	322.81250	4.12668	0.0191781	0.12399126	3.9829849	21	11 7.0	21.1
378567 2008 CM_{205}	17.5	X	180.94179	341.45170	259.71647	1.58461	0.1420640	0.27178649	2.3603920	21	12 31.6	21.1
378568 2008 CM_{213}	17.8	X	293.18528	24.05521	153.00077	2.24357	0.1510123	0.28081748	2.3095106	21	—	—
378569 2008 CP_{214}	17.4	X	270.34932	221.35519	357.10137	2.39122	0.1502615	0.28706244	2.2758928	21	—	—
378570 2008 DY_{14}	17.6	X	211.58741	72.27077	150.46166	1.63413	0.1421164	0.27304502	2.3531334	21	—	—
378571 2008 DX_{31}	17.4	X	201.82826	183.70754	55.90169	3.27425	0.1641244	0.27441424	2.3452994	21	—	—
378572 2008 DY_{31}	17.6	X	218.15746	154.17206	98.05336	3.65076	0.1318327	0.28074674	2.3098985	21	—	—
378573 2008 DR_{53}	17.8	X	277.45888	3.63414	192.30919	3.56502	0.1209796	0.28198755	2.3031175	21	—	—
378574 2008 DY_{53}	17.1	X	281.13845	357.06334	197.57140	24.82164	0.2038532	0.28281938	2.2985993	21	—	—
378575 2008 DF_{55}	17.5	X	20.77870	122.21168	346.50712	4.35572	0.1013851	0.28948835	2.2631603	21	—	—
378576 2008 DB_{56}	17.3	X	270.82534	96.46129	104.42905	3.68779	0.1075198	0.28052206	2.3111317	21	—	—
378577 2008 DC_{56}	17.8	X	56.63145	24.65528	82.45219	4.00094	0.1187779	0.29443715	2.2377298	21	1 16.1	19.5
378578 2008 DE_{56}	15.5	X	276.71580	358.63522	138.58723	3.72097	0.1711956	0.12590442	3.9425335	21	11 14.8	20.8
378579 2008 DT_{59}	17.9	X	57.14823	277.13697	198.70400	3.40583	0.1702808	0.30035305	2.2082489	21	1 29.4	19.3
378580 2008 DA_{60}	16.8	X	147.03050	305.87987	321.48987	7.86544	0.1894022	0.26833384	2.3805963	21	12 30.1	20.8
378581 2008 DV_{67}	17.5	X	30.35658	248.81809	281.26752	2.93646	0.2183502	0.30095623	2.2052974	21	2 22.8	18.6
378582 2008 DK_{82}	17.6	X	144.25212	249.69564	36.96287	7.15415	0.1213192	0.27036865	2.3686369	21	—	—
378583 2008 DM_{84}	17.5	X	322.69572	232.35560	337.04196	5.31125	0.0710695	0.29819182	2.2189060	21	1 13.6	20.2
378584 2008 DK_{89}	17.5	X	179.17118	206.64512	51.66652	1.83670	0.1643295	0.27149890	2.3620586	21	—	—
378585 2008 EY_{6}	18.0	X	9.38637	120.47982	18.53547	5.78511	0.1016683	0.29209114	2.2496958	21	—	—
378586 2008 EJ_{15}	17.2	X	24.08913	6.56360	15.14893	6.84202	0.1230927	0.26840311	2.3801867	21	—	—
378587 2008 ER_{20}	17.9	X	303.75642	214.45592	304.07919	2.07451	0.1418641	0.28110706	2.3079242	21	—	—
378588 2008 EQ_{21}	17.4	X	287.96071	353.07460	183.45381	2.88143	0.1254137	0.27989865	2.3145622	21	—	—
378589 2008 EZ_{22}	17.4	X	291.11197	117.88691	74.00411	3.13965	0.0887095	0.28620344	2.2804444	21	—	—
378590 2008 EA_{23}	17.4	X	229.67945	141.98057	76.69770	3.03912	0.1671660	0.27701081	2.3306206	21	—	—
378591 2008 EO_{35}	17.1	X	183.69443	241.54425	339.52197	3.15999	0.1491983	0.26506031	2.4001566	21	12 7.2	20.7
378592 2008 EK_{42}	13.5	X	320.88002	268.90625	14.91881	27.23085	0.0325267	0.08403575	5.1621029	21	5 9.3	20.5
378593 2008 EV_{44}	17.5	X	13.89113	255.56420	186.11065	7.25207	0.0994138	0.28037549	2.3119371	21	—	—
378594 2008 EO_{46}	17.5	X	252.08562	98.38097	109.72805	4.14436	0.1865088	0.27654559	2.3332336	21	—	—
378595 2008 EK_{47}	17.4	X	156.25390	122.70830	139.39608	4.89210	0.1343891	0.26558948	2.3969675	21	—	—
378596 2008 EH_{48}	17.1	X	206.19893	236.64151	18.64215	7.01599	0.0803976	0.27561996	2.3384546	21	—	—
378597 2008 EV_{52}	16.8	X	266.92399	70.18572	126.11164	7.06352	0.0856488	0.27983834	2.3148947	21	—	—
378598 2008 EL_{58}	17.2	X	144.08257	357.17640	311.59016	6.68272	0.1250035	0.28282748	2.2985554	21	—	—
378599 2008 EP_{88}	17.1	X	280.40923	164.36207	40.49164	6.14782	0.0998468	0.28527072	2.2854124	21	—	—
378600 2008 EM_{89}	16.7	X	217.83274	293.73968	302.79721	7.23959	0.1576066	0.27787911	2.3257630	21	—	—
378601 2008 EA_{108}	17.8	X	153.87853	63.49314	323.42674	3.84309	0.1616794	0.30596478	2.1811645	21	2 24.7	20.8
378602 2008 EQ_{116}	17.6	X	152.34529	143.50571	107.80823	2.30123	0.1504181	0.26370097	2.4083978	21	12 14.9	21.2
378603 2008 EG_{121}	17.3	X	166.20177	78.48563	171.35673	9.31220	0.0708437	0.26855406	2.3792947	21	12 31.3	20.8
378604 2008 ER_{137}	17.3	X	165.28692	250.21027	47.30370	4.06168	0.1112621	0.27631477	2.3345328	21	—	—
378605 2008 EF_{149}	16.7	X	211.37654	210.27133	61.37310	7.74568	0.0928175	0.28122805	2.3072622	21	—	—
378606 2008 EN_{154}	17.2	X	123.16031	209.15779	56.97630	7.46169	0.1311926	0.25685028	2.4510341	21	12 4.2	20.9
378607 2008 EW_{156}	18.2	X	29.77120	19.24883	81.81788	1.65187	0.1403943	0.28716437	2.2753542	21	—	—
378608 2008 EW_{157}	17.7	X	304.49584	81.67263	63.58349	6.40694	0.0459255	0.27915502	2.3186708	21	—	—
378609 2008 ES_{164}	17.0	X	236.10563	255.72127	327.10415	6.48820	0.0574782	0.27904791	2.3192641	21	—	—
378610 2008 FT_{6}	17.3	X	152.97040	52.20156	41.94092	13.58158	0.4266987	0.31541941	2.1373572	21	6 7.1	21.5
378611 2008 FY_{15}	16.7	X	283.84969	352.40594	149.62146	7.59193	0.0591669	0.26956398	2.3733483	21	—	—
378612 2008 FW_{39}	18.1	X	312.47317	55.98583	121.76391	2.30300	0.1986249	0.28494350	2.2871618	21	—	—
378613 2008 FE_{41}	17.4	X	321.61306	55.95564	90.04639	3.53473	0.1495679	0.28119372	2.3074500	21	—	—
378614 2008 FK_{42}	17.5	X	128.80831	276.36680	353.14129	3.09705	0.1065095	0.26491122	2.4010571	21	12 14.9	21.0
378615 2008 FQ_{53}	17.7	X	152.34567	153.93256	107.42394	1.34921	0.1733484	0.26384691	2.4075097	21	12 26.4	21.5
378616 2008 FN_{55}	17.5	X	170.64375	81.44350	193.70516	6.81247	0.1113218	0.27122141	2.3636694	21	—	—
378617 2008 FS_{66}	13.2	X	336.97880	239.39401	47.25730	26.98374	0.0541350	0.08201469	5.2465636	21	6 4.5	20.1
378618 2008 FT_{66}	17.0	X	206.10436	52.98530	195.51790	7.27893	0.0740059	0.27194666	2.3594651	21	—	—
378619 2008 FW_{66}	18.0	X	349.77964	290.79315	205.50709	3.55545	0.1927246	0.28441300	2.2900050	21	—	—
378620 2008 FY_{66}	13.5	X	344.35053	64.98091	216.64106	23.80940	0.0740060	0.08257999	5.2225927	21	6 10.9	20.3
378621 2008 FV_{68}	17.4	X	187.61000	122.13742	107.50788	2.36694	0.1577957	0.26551773	2.3973993	21	12 21.5	21.1
378622 2008 FE_{69}	17.9	X	329.81875	5.56119	166.91206	4.21094	0.1437828	0.28598859	2.2815863	21	—	—
378623 2008 FY_{74}	17.4	X	265.92756	28.88195	137.50785	6.09369	0.0580031	0.27277324	2.3546961	21	—	—
378624 2008 FV_{76}	18.2	X	169.48456	202.72196	77.72526	2.75036	0.0151476	0.27938910	2.3173755	21	—	—
378625 2008 FM_{83}	17.3	X	132.56189	212.18624	56.26098	7.17703	0.1287342	0.26179395	2.4200796	21	12 16.8	21.0
378626 2008 FY_{89}	17.6	X	167.06090	135.39778	124.08688	2.95360	0.1886358	0.27269201	2.3551637	21	—	—
378627 2008 FP_{97}	17.5	X	259.86268	297.86663	262.59332	1.55818	0.1494298	0.27971394	2.3155810	21	—	—
378628 2008 FK_{102}	17.3	X	282.42773	70.20001	96.04034	6.08095	0.1656509	0.27516171	2.3410502	21	—	—
378629 2008 FZ_{102}	17.2	X	340.40813	317.54568	138.91943	7.29657	0.0723017	0.27076832	2.3663055	21	—	—
378630 2008 FT_{104}	17.0	X	207.82049	138.90181	49.92366	6.95461	0.0742181	0.26126967	2.4233160	21	11 29.5	20.3
378631 2008 FV_{107}	17.6	X	140.86270	232.08301	37.13051	9.97988	0.1939009	0.26218274	2.4176865	21	12 25.2	21.7
378632 2008 FX_{107}	18.0	X	39.61496	38.46601	79.45003	4.40346	0.1803883	0.29207512	2.2497780	21	—	—
378633 2008 FD_{115}	17.4	X	189.76283	196.36626	30.13504	6.77346	0.0672771	0.26852685	2.3794554	21	12 29.9	20.7
378634 2008 FM_{116}	17.3	X	68.37196	310.64366	29.55494	4.53198	0.0848590	0.26323956	2.4112114	21	—	—
378635 2008 FQ_{127}	18.1	X	324.73607	150.24529	8.36646	0.45218	0.1274214	0.28534342	2.2850242	21	—	—
378636 2008 FM_{128}	17.2	X	201.70385	146.03568	56.64339	5.69419	0.0500641	0.26342185	2.4100988	21	12 13.8	20.3
378637 2008 FM_{129}	17.1	X	196.26754	202.07728	55.56130	6.93470	0.1001513	0.27292418	2.3538279	21	—	—
378638 2008 FT_{129}	17.2	X	32.62270	305.50994	16.06975	3.87699	0.2694053	0.24633261	2.5203147	21	11 21.3	20.3
378639 2008 FG_{130}	18.2	X	340.18676	89.28432	70.10493	5.11454	0.1320791	0.28512448	2.2861938	21	—	—
378640 2008 FC_{133}	13.9	X	341.71717	151.90382	130.46487	7.99375	0.0860083	0.08333659	5.1909346	21	6 9.9	20.4

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
378641	2008 FX_{134}	13.7	X	285.97692	257.25545	87.10918	8.44838	0.1468549	0.08164343	5.2624568	21	6 1.9	20.6
378642	2008 FR_{136}	17.6	X	286.62318	160.28881	26.43936	4.85019	0.1297395	0.27990135	2.3145472	21	—	—
378643	2008 FT_{137}	17.2	X	157.74522	16.45789	227.20705	3.71387	0.1522879	0.26088989	2.4256672	21	12 10.1	21.1
378644	2008 GG_4	16.8	X	215.59787	9.12414	219.81267	25.52007	0.1841105	0.27201759	2.3590549	21	—	—
378645	2008 GU_{10}	17.5	X	220.41496	159.83709	64.22948	2.20153	0.1348134	0.27052424	2.3677287	21	—	—
378646	2008 GQ_{27}	18.0	X	307.99708	350.62797	176.17762	4.48613	0.0875882	0.28324123	2.2963165	21	—	—
378647	2008 GF_{35}	16.5	X	175.56006	188.62919	49.79926	12.86154	0.1654375	0.26404212	2.4063229	21	12 18.8	20.4
378648	2008 GM_{35}	13.9	X	330.71901	177.86926	113.90413	7.41372	0.0534831	0.08262920	5.2205189	21	6 8.4	20.6
378649	2008 GH_{37}	17.8	X	99.86185	181.71084	86.32348	2.91399	0.1680885	0.25201464	2.4822882	21	11 16.8	21.6
378650	2008 GS_{37}	17.3	X	169.91068	166.54391	80.22680	4.84495	0.0917087	0.26359229	2.4090598	21	12 29.6	20.8
378651	2008 GF_{41}	17.9	X	358.22980	56.01558	66.34488	7.31977	0.0483405	0.28075462	2.3098553	21	—	—
378652	2008 GR_{41}	14.0	X	265.84199	162.83924	197.16382	18.89197	0.0633252	0.08476391	5.1324972	21	6 7.5	21.1
378653	2008 GY_{46}	17.3	X	5.18660	107.57204	188.44979	11.41828	0.2900430	0.23346307	2.6121047	21	8 13.7	19.3
378654	2008 GZ_{52}	13.6	X	345.90387	239.29913	36.14467	15.51325	0.1262152	0.08472823	5.1339381	21	6 1.9	19.9
378655	2008 GY_{72}	18.0	X	62.84160	56.33753	41.82227	2.51211	0.1037165	0.29310153	2.2445226	21	1 14.3	20.0
378656	2008 GB_{73}	17.5	X	180.69443	217.68005	25.89761	6.46646	0.0910054	0.26912258	2.3759427	21	—	—
378657	2008 GO_{77}	17.3	X	30.92206	335.21953	97.97152	6.74892	0.0772417	0.27612411	2.3356074	21	—	—
378658	2008 GV_{82}	17.1	X	134.21407	249.86970	67.43455	6.06457	0.1472317	0.27113800	2.3641541	21	—	—
378659	2008 GU_{97}	17.5	X	213.01549	300.22937	270.70933	1.59059	0.1460678	0.26761408	2.3848628	21	12 26.9	20.7
378660	2008 GQ_{100}	17.7	X	23.28743	208.39613	182.70678	2.55679	0.1022019	0.26507185	2.4000870	21	—	—
378661	2008 GR_{103}	17.4	X	110.51398	196.04271	74.57247	6.30438	0.2197082	0.25546195	2.4599063	21	12 2.4	21.3
378662	2008 GK_{104}	17.5	X	68.51274	314.99840	56.15344	7.43141	0.1427030	0.27133796	2.3629925	21	—	—
378663	2008 GU_{106}	17.2	X	300.37832	95.60036	82.77921	4.52360	0.0933278	0.28421070	2.2910915	21	—	—
378664	2008 GL_{107}	17.4	X	115.90450	192.67581	107.41607	7.17185	0.0875191	0.26624582	2.3930265	21	—	—
378665	2008 GB_{116}	13.7	X	51.66711	13.58288	198.34265	21.84309	0.0539568	0.08420248	5.1552865	21	6 17.5	20.6
378666	2008 GS_{117}	17.4	X	345.77684	321.77666	145.00174	5.16095	0.0512219	0.27378594	2.3488861	21	—	—
378667	2008 GK_{137}	17.2	X	174.29988	34.87396	210.00048	6.21480	0.1506513	0.26644330	2.3918440	21	12 27.6	20.9
378668	2008 GN_{140}	14.1	X	37.92522	21.30652	195.80008	6.20483	0.0340337	0.08110609	5.2856742	21	6 6.3	20.9
378669	Rivas	17.5	X	238.33352	49.63972	138.18766	5.11882	0.1372689	0.26838444	2.3802970	21	12 29.9	20.5
378670	2008 HR_8	17.2	X	304.47405	247.75512	176.13270	14.30999	0.0603916	0.25584786	2.4574321	21	10 31.2	20.2
378671	2008 HZ_{11}	17.5	X	159.39851	39.76562	197.57574	14.26133	0.0637448	0.25939589	2.4349721	21	12 7.5	21.2
378672	2008 HD_{13}	13.9	X	350.77041	227.69506	36.34289	5.51599	0.1675929	0.08278794	5.2138435	21	5 27.2	19.9
378673	2008 HT_{19}	17.4	X	18.41836	213.12236	98.92772	11.72377	0.1861682	0.24159848	2.5531319	21	10 8.9	20.3
378674	2008 HV_{21}	17.4	X	199.95287	143.38112	60.48385	2.36923	0.1102295	0.26215457	2.4178597	21	12 6.2	20.7
378675	2008 HW_{39}	17.9	X	169.70190	232.18358	16.99200	2.02911	0.1775648	0.26620320	2.3932820	21	12 27.3	21.6
378676	2008 HB_{42}	17.2	X	247.31925	330.20529	223.63563	5.61267	0.0646443	0.26970070	2.3725462	21	—	—
378677	2008 HX_{45}	17.4	X	358.68281	235.98336	83.28505	5.04034	0.2991752	0.23613712	2.5923475	21	9 13.4	18.9
378678	2008 HG_{50}	17.7	X	92.73074	238.36919	59.03341	6.81024	0.1092774	0.25596978	2.4566517	21	12 10.9	21.3
378679	2008 HU_{55}	17.5	X	3.10160	193.83529	113.87677	2.39057	0.2220401	0.23572204	2.5953898	21	8 26.1	19.3
378680	2008 HX_{62}	13.3	X	290.40120	241.59735	97.99274	12.14616	0.0590935	0.08370948	5.1755077	21	6 13.2	20.1
378681	2008 HJ_{64}	13.9	X	260.91160	165.61107	198.16822	16.50203	0.0233770	0.08211768	5.2421760	21	6 11.2	21.0
378682	2008 JD_4	17.3	X	335.00002	99.86933	198.58811	11.80784	0.2580325	0.22759031	2.6568490	21	5 23.9	19.9
378683	2008 JZ_{11}	17.3	X	322.25557	77.02133	217.07826	10.40566	0.1754924	0.22572435	2.6714709	21	5 5.8	20.5
378684	2008 JC_{17}	17.8	X	51.47173	173.42814	167.65312	5.48678	0.0924388	0.25677717	2.4514993	21	12 17.8	21.1
378685	2008 JJ_{22}	16.5	X	23.34088	305.81920	295.86353	11.81732	0.2100581	0.23289110	2.6163798	21	6 26.9	18.7
378686	2008 JW_{26}	13.9	X	343.86935	233.02090	56.28402	13.56620	0.0804892	0.08235225	5.2322168	21	6 19.3	20.5
378687	2008 JM_{30}	17.2	X	109.01501	213.58688	69.93346	7.72415	0.0991170	0.25613953	2.4555662	21	12 10.2	20.8
378688	2008 JN_{38}	17.1	X	302.75868	124.65891	183.69959	16.13486	0.1858736	0.22301361	2.6930752	21	4 26.5	20.7
378689	2008 KT_4	17.1	X	316.96810	328.43003	136.47457	7.85635	0.0467105	0.26383684	2.4075709	21	—	—
378690	2008 KL_5	18.1	X	320.61608	316.06282	178.11976	6.21366	0.0945334	0.27303318	2.3532014	21	—	—
378691	2008 KU_7	13.5	X	137.94373	261.24731	221.02581	13.77965	0.0448413	0.08141184	5.2724320	21	6 12.6	20.7
378692	2008 KO_{10}	17.5	X	169.47952	65.46324	166.39766	4.14590	0.0996944	0.26087732	2.4257451	21	12 9.8	21.1
378693	2008 KE_{15}	17.7	X	139.19874	200.63699	63.78266	6.22164	0.1313491	0.25931919	2.4354522	21	12 17.9	21.5
378694	2008 KT_{28}	13.2	X	358.14051	169.39733	102.69843	10.68830	0.0374783	0.08336814	5.1896250	21	6 20.4	19.9
378695	2008 KG_{30}	16.7	X	40.37197	138.53137	168.91202	13.10129	0.1797426	0.24370787	2.5383783	21	11 2.8	20.0
378696	2008 KU_{38}	17.5	X	206.09155	120.21591	88.69085	3.52735	0.1618291	0.26412725	2.4058059	21	12 14.0	20.8
378697	2008 LS	17.1	X	306.97734	28.31275	61.59062	6.50689	0.0149322	0.26191744	2.4193188	21	12 9.7	20.1
378698	2008 LT_{11}	17.2	X	251.17391	21.00779	130.36557	7.15767	0.0699408	0.26031721	2.4292235	21	12 8.7	20.3
378699	2008 LE_{17}	17.3	X	9.54314	154.77222	138.05808	6.17960	0.2080122	0.23440402	2.6051097	21	8 15.5	19.3
378700	2008 MU	16.0	X	58.98498	247.00312	39.72176	12.85579	0.2689170	0.24029282	2.5623720	21	11 7.4	19.6
378701	2008 NJ_1	18.1	X	24.50349	107.48009	279.07741	21.67247	0.2772416	0.39615043	1.8360984	21	—	—
378702	2008 OV_3	16.5	X	266.30068	27.78331	298.94459	8.14241	0.2770865	0.20997607	2.8034287	21	3 24.4	21.4
378703	2008 OS_{19}	17.0	X	334.30998	138.79839	158.44761	5.40490	0.1415175	0.21837702	2.7310612	21	6 6.8	20.0
378704	2008 OR_{20}	16.8	X	329.76731	184.82981	153.86108	6.39092	0.0470668	0.22436624	2.6822405	21	8 5.1	20.0
378705	2008 OQ_{23}	16.4	X	260.17131	249.35684	151.87022	10.63347	0.1771023	0.21868162	2.7285245	21	7 4.1	20.6
378706	2008 OD_{24}	16.8	X	270.36900	81.42807	289.14390	2.60780	0.1114209	0.21746893	2.7386586	21	6 15.3	20.4
378707	2008 PP_6	16.5	X	297.28113	268.69139	84.60509	9.63924	0.2422564	0.22023812	2.7156537	21	6 7.8	19.9
378708	2008 PD_{13}	16.8	X	348.39519	356.82719	318.14927	11.81840	0.1680135	0.22633737	2.6666450	21	7 30.9	19.3
378709	2008 PP_{14}	16.0	X	300.23159	336.63163	329.38396	11.79389	0.2022418	0.21330146	2.7742153	21	4 10.0	20.0
378710	2008 PN_{15}	15.9	X	256.48768	21.20740	335.32010	9.22006	0.2347962	0.21057913	2.7980738	21	4 24.7	20.7
378711	2008 PP_{16}	15.7	X	251.72894	27.93112	286.01542	14.02546	0.1308971	0.20431548	2.8549721	21	3 5.7	20.5
378712	2008 PO_{20}	15.8	X	353.61551	254.17658	40.38076	15.71241	0.1786344	0.22214160	2.7001183	21	7 10.6	18.7
378713	2008 PT_{20}	16.4	X	290.89823	192.31717	125.63166	14.34119	0.1868274	0.21315454	2.7754900	21	4 28.4	20.6
378714	2008 PY_{20}	15.4	X	219.47439	222.70420	92.55292	12.92924	0.2290125	0.19795337	2.9158205	21	2 14.4	20.6
378715	2008 PH_{21}	15.8	X	260.29423	220.34068	133.58122	16.35255	0.2825529	0.21089599	2.7952705	21	4 30.8	20.7
378716	2008 QK_1	16.6	X	230.79209	282.96059	143.09155	8.89307	0.2878694	0.21437416	2.7649531	21	6 27.2	21.4
378717	2008 QL_6	16.5	X	294.04272	75.70939	271.06793	9.78184	0.1382396	0.21744573	2.7388534	21	6 10.9	20.1
378718	2008 QH_9	16.4	X	234.81748	210.86960	162.52444	9.67023	0.1621211	0.20900948	2.8120653	21	5 8.1	21.0
378719	2008 QJ_{10}	16.5	X	296.73625	169.66139	162.67117	12.20532	0.2721270	0.21555656	2.7548327	21	5 8.7	20.5
378720	2008 QQ_{13}	16.0	X	317.33238	330.93037	349.84097	9.37969	0.1592734	0.21612391	2.7500093	21	6 5.8	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378721 Thizy	16.8	X	296.36454	145.09372	174.88070	4.31548	0.0630227	0.21269487	2.7794874	21	5 21.8	20.5
378722 2008 QG_{17}	16.8	X	300.68742	341.81795	337.83214	7.31412	0.1797898	0.21405126	2.7677329	21	5 4.9	20.7
378723 2008 QH_{21}	16.4	X	236.27607	157.49866	245.48390	7.04889	0.2205723	0.21278066	2.7787402	21	6 8.1	20.9
378724 2008 QO_{22}	16.1	X	335.40803	25.78778	270.91188	8.00234	0.1349940	0.21905608	2.7254142	21	6 7.8	19.0
378725 2008 QS_{26}	16.3	X	270.72335	252.74537	138.67385	9.76281	0.1736276	0.21951038	2.7216525	21	7 4.4	20.3
378726 2008 QL_{28}	15.9	X	340.53559	181.33396	123.52216	9.44161	0.1738875	0.21999749	2.7176336	21	6 26.3	18.6
378727 2008 QJ_{36}	16.6	X	310.83284	189.18891	162.69034	6.29763	0.1527177	0.22333359	2.6905022	21	7 11.3	19.8
378728 2008 QH_{38}	16.7	X	283.70176	154.35710	178.44796	5.43673	0.0865805	0.20958613	2.8069048	21	5 18.6	20.5
378729 2008 QD_{42}	17.2	X	249.80432	205.65892	163.01343	1.55609	0.1063534	0.21139722	2.7908502	21	5 20.4	21.2
378730 2008 QD_{43}	16.5	X	231.26469	145.25738	255.41666	3.00721	0.1060432	0.21040922	2.7995800	21	6 9.5	20.6
378731 2008 QK_{45}	16.4	X	302.64765	77.51481	244.55241	6.43490	0.2195605	0.21376507	2.7702027	21	5 7.0	19.9
378732 2008 QA_{46}	16.8	X	307.93599	118.87174	209.44536	8.65846	0.1881665	0.21732527	2.7398654	21	5 29.7	20.2
378733 2008 QJ_{47}	16.4	X	294.40117	227.67078	127.65901	5.26469	0.1570296	0.22021727	2.7158251	21	6 20.3	19.9
378734 2008 RN_{3}	16.3	X	351.02203	61.24424	187.31990	8.98511	0.1152894	0.20849902	2.8166531	21	5 2.3	19.6
378735 2008 RH_{4}	17.5	X	40.86527	59.69459	228.45104	1.71058	0.1160496	0.22717468	2.6600886	21	9 21.6	20.8
378736 2008 RB_{16}	16.7	X	269.75150	111.91959	239.81342	3.49598	0.0793771	0.21050802	2.7987039	21	5 25.5	20.7
378737 2008 RH_{18}	16.7	X	19.27296	63.86749	221.43945	4.79098	0.0610858	0.22082462	2.7108431	21	8 6.1	20.1
378738 2008 RJ_{28}	17.3	X	274.02667	37.59665	330.94291	4.71782	0.0579701	0.21534114	2.7566696	21	6 25.8	21.0
378739 2008 RK_{33}	17.3	X	309.94621	105.32548	221.80950	3.28160	0.0625291	0.21474427	2.7617752	21	6 18.9	20.8
378740 2008 RC_{35}	17.3	X	241.19401	219.88307	192.85800	4.11988	0.0699454	0.21556444	2.7547655	21	7 9.9	21.2
378741 2008 RK_{36}	16.9	X	279.92242	200.94123	182.89989	3.76103	0.1057507	0.21787184	2.7352812	21	7 16.1	20.5
378742 2008 RA_{41}	16.7	X	137.26557	297.74665	179.88975	14.25604	0.1151968	0.20517266	2.8470148	21	6 10.5	21.3
378743 2008 RJ_{58}	16.6	X	342.00378	113.12011	166.78141	5.55525	0.1009307	0.21270919	2.7793626	21	5 31.2	19.9
378744 2008 RR_{67}	17.2	X	259.98970	21.81477	21.64594	5.98818	0.0161736	0.21778689	2.7359924	21	8 1.6	21.0
378745 2008 RS_{67}	16.6	X	240.46009	311.31226	45.42595	2.73040	0.0756841	0.20449357	2.8533143	21	4 27.9	20.6
378746 2008 RR_{69}	16.9	X	243.11400	223.24583	204.73591	4.51200	0.0979910	0.21983277	2.7189910	21	7 28.4	20.8
378747 2008 RM_{77}	17.4	X	171.76806	359.34115	353.00137	6.09616	0.3517101	0.26650012	2.3915040	21	2 18.6	21.7
378748 2008 RW_{91}	17.2	X	228.90673	27.96981	333.78398	1.30052	0.0822562	0.20322475	2.8651783	21	4 20.2	21.4
378749 2008 RR_{92}	16.7	X	352.60148	276.51203	11.97065	3.44448	0.0640903	0.21471853	2.7619959	21	7 1.3	20.1
378750 2008 RD_{94}	16.5	X	271.68089	299.81878	6.13197	9.63474	0.1487590	0.20181673	2.8784892	21	3 22.7	20.8
378751 2008 RB_{95}	17.1	X	297.38582	56.05602	316.93005	4.19174	0.0840321	0.22284302	2.6944494	21	7 31.2	20.4
378752 2008 RB_{99}	17.1	X	282.11209	73.15453	358.65085	4.45562	0.0294719	0.22984120	2.6394744	21	10 5.0	20.4
378753 2008 RV_{101}	17.1	X	229.84165	180.20974	197.59396	0.98181	0.0758800	0.20487165	2.8498028	21	5 12.6	21.3
378754 2008 RV_{103}	16.8	X	269.47900	73.71218	313.40785	5.64299	0.0554405	0.21568244	2.7537607	21	7 15.5	20.4
378755 2008 RJ_{105}	16.4	X	135.59207	128.12080	24.47329	7.36881	0.0986394	0.20990558	2.8040563	21	7 23.3	20.7
378756 2008 RD_{111}	16.7	X	278.21876	158.01925	200.72700	3.70606	0.1810318	0.21555446	2.7548506	21	5 30.9	20.6
378757 2008 RT_{113}	17.1	X	272.65662	159.66457	222.04116	2.69701	0.1066315	0.21672491	2.7449230	21	7 3.7	20.9
378758 2008 RF_{116}	17.3	X	230.09862	37.21246	336.45114	1.30225	0.0830928	0.20315690	2.8658162	21	5 6.5	21.4
378759 2008 RS_{117}	16.5	X	168.24989	240.29368	205.44080	14.41107	0.1206452	0.20431719	2.8549562	21	6 2.2	21.1
378760 2008 RF_{118}	17.2	X	345.05732	78.64494	229.24545	2.94424	0.0851953	0.21497636	2.7597871	21	7 14.7	20.6
378761 2008 RU_{118}	16.3	X	139.52206	354.39440	54.26141	6.52662	0.1748652	0.18474893	3.0531497	21	3 28.2	21.1
378762 2008 RF_{120}	15.2	X	155.51179	291.39998	55.53638	23.04868	0.0761193	0.17409696	3.1764492	21	1 24.4	20.3
378763 2008 RX_{121}	17.1	X	285.78823	137.87272	200.38130	7.10617	0.1093195	0.21262599	2.7800876	21	5 24.7	21.0
378764 2008 RH_{124}	17.0	X	214.14492	168.65749	212.19033	1.31872	0.0800981	0.20377389	2.8600284	21	4 28.8	21.2
378765 2008 RM_{125}	16.9	X	245.81293	45.83770	10.13446	2.57633	0.0651943	0.21805413	2.7337566	21	7 22.1	20.7
378766 2008 RP_{126}	16.8	X	227.00557	207.22296	160.20044	7.85932	0.1459537	0.20316785	2.8657132	21	4 24.3	21.4
378767 2008 RL_{130}	16.9	X	192.21728	1.61545	81.47806	2.85694	0.0348666	0.21040249	2.7996396	21	6 23.9	20.9
378768 2008 RQ_{140}	16.7	X	224.99493	147.98811	249.71018	2.72076	0.1041628	0.21017387	2.8016695	21	5 30.0	20.9
378769 2008 RM_{142}	15.7	X	339.35537	64.93291	246.53754	12.60842	0.0981699	0.21971140	2.7199922	21	7 7.6	19.0
378770 2008 RD_{143}	15.9	X	331.11411	184.32486	359.79584	12.19014	0.0726793	0.18653761	3.0336009	21	1 19.7	20.2
378771 2008 RS_{143}	17.3	X	24.40957	117.16798	139.26143	1.34995	0.0161171	0.21508226	2.7588812	21	7 3.1	21.0
378772 2008 RN_{146}	16.2	X	229.82500	96.39809	279.67408	12.07999	0.1248277	0.20437691	2.8543999	21	5 3.5	20.9
378773 2008 SJ_{1}	16.2	X	272.74709	33.66990	332.23962	8.59846	0.1736804	0.21452984	2.7636152	21	6 1.9	20.4
378774 2008 SH_{5}	16.1	X	132.01405	202.14897	148.11162	6.34403	0.2097544	0.17989272	3.1078519	21	1 12.9	20.9
378775 2008 SH_{9}	16.3	X	326.70715	356.37506	331.21002	5.57630	0.0357472	0.21881715	2.7273978	21	7 18.6	19.7
378776 2008 SY_{14}	16.8	X	255.46497	235.07711	257.72318	2.34661	0.0546914	0.24135571	2.5548437	21	11 17.0	20.0
378777 2008 SV_{24}	16.8	X	242.00335	22.84407	14.28886	5.44427	0.0805546	0.21268752	2.7795514	21	6 19.6	20.8
378778 2008 SL_{27}	17.0	X	235.17362	229.44002	188.42700	2.60873	0.0760353	0.21418443	2.7665856	21	7 9.0	20.9
378779 2008 SC_{28}	16.5	X	230.47326	226.21825	209.54879	10.32139	0.2541627	0.21238063	2.7822284	21	7 9.3	21.4
378780 2008 SG_{29}	16.8	X	284.17229	94.08889	244.52256	2.68027	0.1015203	0.20978009	2.8051745	21	5 23.4	20.7
378781 2008 SU_{30}	16.5	X	242.12597	38.35204	324.09993	8.43863	0.1464864	0.20535444	2.8453344	21	4 26.6	21.0
378782 2008 SH_{31}	16.3	X	238.97046	342.45253	339.72514	10.22486	0.0904640	0.19653887	2.9297939	21	3 12.4	20.8
378783 2008 SK_{33}	17.0	X	330.09488	162.36732	158.44704	4.83544	0.1027052	0.22092558	2.7100172	21	7 6.6	20.1
378784 2008 SD_{48}	16.6	X	297.65972	348.70559	331.45495	2.05669	0.0827087	0.21051270	2.7986624	21	5 19.3	20.2
378785 2008 SV_{50}	16.8	X	342.97635	99.94873	188.05388	4.10396	0.0363276	0.21215181	2.7842285	21	6 16.9	20.4
378786 2008 SW_{54}	16.6	X	184.23030	231.23729	189.41630	7.77944	0.0974679	0.20238671	2.8730823	21	5 18.2	21.0
378787 2008 SR_{67}	16.7	X	275.27977	301.58021	38.07327	2.39091	0.0745625	0.20497921	2.8488057	21	5 17.3	20.5
378788 2008 SF_{71}	16.6	X	283.59483	145.52505	188.52582	13.42857	0.2081294	0.21125199	2.7921292	21	5 3.3	20.7
378789 2008 SU_{75}	16.6	X	271.38731	38.54662	331.98199	3.51857	0.0962381	0.21382430	2.7696912	21	6 18.9	20.4
378790 2008 SA_{79}	16.6	X	248.19932	75.56609	309.76857	2.77508	0.1195550	0.21131915	2.7915376	21	6 6.9	20.6
378791 2008 SQ_{84}	17.0	X	334.05692	353.85365	307.04338	4.02302	0.0982055	0.21286679	2.7779906	21	6 15.7	20.2
378792 2008 SY_{86}	16.9	X	221.84098	161.87083	258.59082	5.21383	0.1087762	0.21074808	2.7965782	21	6 24.4	21.2
378793 2008 SR_{92}	16.0	X	264.32508	77.98969	268.06061	12.12366	0.2124377	0.21184382	2.7869265	21	4 21.5	20.6
378794 2008 SL_{99}	16.7	X	201.60767	287.88771	161.33270	5.93434	0.0313852	0.21046132	2.7991178	21	7 13.1	20.8
378795 2008 SU_{99}	16.3	X	312.42892	230.38173	51.88616	10.31401	0.0451670	0.20026652	2.8933245	21	4 27.9	20.1
378796 2008 SE_{103}	16.7	X	245.25948	168.19910	204.82013	6.06144	0.0900568	0.20394228	2.8584540	21	5 23.3	20.9
378797 2008 SQ_{110}	16.5	X	164.09369	336.75738	81.40166	2.96068	0.1018468	0.19738454	2.9214197	21	4 24.5	21.0
378798 2008 SG_{114}	16.7	X	223.47739	278.06109	141.57217	4.44864	0.0883938	0.21026762	2.8008367	21	6 26.8	20.8
378799 2008 SS_{121}	16.8	X	299.59287	151.79101	209.10703	5.57913	0.0462647	0.21408026	2.7674830	21	7 21.0	20.5
378800 2008 SF_{134}	17.2	X	306.52433	142.28903	187.15062	5.06162	0.0839158	0.21675402	2.7446772	21	6 14.2	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378801 2008 SZ_{137}	15.3	X	187.39708	298.05642	38.92333	19.84105	0.0111584	0.18310881	3.0713541	21	2 16.2	20.1
378802 2008 ST_{164}	16.6	X	286.36734	158.43896	184.09421	7.25828	0.2133028	0.21173807	2.7878544	21	5 16.2	20.5
378803 2008 SW_{172}	15.9	X	228.92999	97.37455	269.66592	13.38302	0.1724593	0.20509539	2.8477298	21	4 17.1	20.7
378804 2008 SJ_{173}	16.2	X	291.03134	68.48553	253.81557	7.74108	0.2756182	0.21249534	2.7812270	21	4 12.9	20.5
378805 2008 SD_{187}	16.7	X	345.85376	57.07105	226.41877	6.03770	0.1228280	0.21109306	2.7935305	21	6 9.5	19.8
378806 2008 ST_{188}	17.1	X	279.69567	29.97362	283.40939	2.56332	0.1582625	0.20406359	2.8573210	21	4 6.5	21.2
378807 2008 SH_{189}	16.5	X	168.36634	159.39487	326.49020	7.85014	0.1477027	0.21557237	2.7546979	21	7 24.2	21.0
378808 2008 SJ_{196}	16.8	X	264.87409	148.21210	192.14214	1.79556	0.0642762	0.20138024	2.8826471	21	5 7.5	20.7
378809 2008 SX_{206}	15.8	X	133.96555	297.09458	63.01659	10.50148	0.1035428	0.17727902	3.1383244	21	1 16.5	20.5
378810 2008 SG_{209}	18.7	X	79.40256	130.46912	167.83112	3.71260	0.2513946	0.31675776	2.1313325	21	12 20.2	22.1
378811 2008 SB_{210}	16.9	X	306.45688	78.96482	226.44988	3.54487	0.0536378	0.21012773	2.8020796	21	5 16.9	20.4
378812 2008 SL_{212}	16.2	X	323.84373	250.18297	18.99283	7.67384	0.1896942	0.21032572	2.8003209	21	4 3.5	19.6
378813 2008 SC_{215}	17.0	X	185.72930	41.28618	16.51186	1.92239	0.0641089	0.20451196	2.8531433	21	5 14.0	21.3
378814 2008 SY_{217}	16.4	X	172.10337	283.26098	107.61159	9.69956	0.2101979	0.18898944	3.0073065	21	4 8.3	21.6
378815 2008 SO_{225}	17.0	X	229.95541	145.12376	204.47877	10.21290	0.1135992	0.19805382	2.9148345	21	4 4.7	21.6
378816 2008 SC_{233}	16.9	X	247.70348	265.89750	144.21065	4.75534	0.0716269	0.21495605	2.7599609	21	7 14.6	20.9
378817 2008 SW_{250}	17.2	X	162.18936	275.15416	170.07723	2.11156	0.0358095	0.20316882	2.8657041	21	5 21.8	21.3
378818 2008 SO_{254}	16.0	X	245.51611	121.43879	255.21643	7.99837	0.1769467	0.20942436	2.8083501	21	5 18.0	20.3
378819 2008 SE_{259}	17.0	X	203.79625	213.80482	220.30699	3.18089	0.0821981	0.20939667	2.8085977	21	6 23.9	21.3
378820 2008 SF_{259}	16.3	X	173.68982	19.17899	342.36047	9.88790	0.1015425	0.18887964	3.0084718	21	2 25.3	20.8
378821 2008 SY_{259}	16.3	X	216.57247	54.72769	330.90199	5.21373	0.0734067	0.20193628	2.8773530	21	5 5.8	20.8
378822 2008 ST_{260}	16.7	X	160.87184	256.01791	218.62878	14.24186	0.1070715	0.20410195	2.8569629	21	6 28.3	21.3
378823 2008 SB_{261}	17.3	X	194.51656	247.70110	124.70374	2.53537	0.2431476	0.19496709	2.9455191	21	3 31.6	22.4
378824 2008 SK_{264}	17.1	X	225.45229	139.50166	262.31259	2.38313	0.0787249	0.20684428	2.8316552	21	6 6.9	21.1
378825 2008 SN_{270}	16.6	X	72.07327	58.07163	55.46893	13.31410	0.2053842	0.17878840	3.1206363	21	4 6.3	20.7
378826 2008 SH_{271}	16.2	X	37.11374	120.51344	31.71719	11.24860	0.0761089	0.18671166	3.0317153	21	3 15.6	20.2
378827 2008 ST_{272}	16.2	X	111.85515	35.33300	45.21264	14.35694	0.0396046	0.18462943	3.0544669	21	3 24.2	20.7
378828 2008 SD_{273}	16.3	X	154.29997	302.57801	79.78361	12.31007	0.0935698	0.18168049	3.0874304	21	3 8.1	21.2
378829 2008 SV_{276}	17.2	X	269.29488	24.74615	7.70221	6.19323	0.0396881	0.21630599	2.7484659	21	7 26.4	20.9
378830 2008 SM_{278}	17.2	X	189.05576	326.43595	227.29988	1.19567	0.1104519	0.23946715	2.5682586	21	11 8.3	21.0
378831 2008 SA_{279}	16.2	X	140.47777	203.65101	231.12436	11.73907	0.1152423	0.19134122	2.9826138	21	4 19.4	20.7
378832 2008 SV_{280}	15.8	X	52.31136	260.76833	229.52254	25.00298	0.2693168	0.17567955	3.1573440	21	3 23.9	19.7
378833 2008 SW_{281}	16.2	X	309.53180	169.39925	287.10139	13.67191	0.1310303	0.23336660	2.6128245	21	12 11.5	19.2
378834 2008 SK_{282}	16.3	X	21.42048	296.75548	217.83145	8.62125	0.0299133	0.17940388	3.1134949	21	2 17.1	20.7
378835 2008 SH_{283}	16.6	X	74.12996	123.30608	18.93397	1.77830	0.0863064	0.19100007	2.9861643	21	4 21.1	20.5
378836 2008 SK_{283}	17.1	X	175.32079	113.89276	325.73358	1.15643	0.0423775	0.20256498	2.8713963	21	5 29.9	21.2
378837 2008 SF_{288}	16.8	X	195.50521	211.74926	186.50513	5.78564	0.0863816	0.19650115	2.9301688	21	5 2.1	21.3
378838 2008 SR_{290}	15.8	X	123.26611	160.53940	182.79218	16.69004	0.0944760	0.17307014	3.1890008	21	—	—
378839 2008 SG_{291}	16.1	X	315.09540	37.20449	244.14931	7.03139	0.1985100	0.20983433	2.8046910	21	4 2.1	19.8
378840 2008 SS_{307}	16.1	X	321.60740	46.68956	276.80385	5.38986	0.0516365	0.21090539	2.7951874	21	7 2.6	19.7
378841 2008 SU_{307}	16.2	X	149.14496	221.46502	169.33901	10.79409	0.1903780	0.18747029	3.0235309	21	3 14.6	21.1
378842 2008 TD_{4}	19.7	X	92.86645	54.87729	221.89310	14.46017	0.6174996	0.40081198	1.8218345	21	12 22.1	23.9
378843 2008 TX_{6}	16.4	X	150.63873	178.77085	193.45689	9.85122	0.1144651	0.18770503	3.0210096	21	2 12.9	21.2
378844 2008 TX_{15}	17.0	X	276.97612	71.39380	284.80369	2.61424	0.1023202	0.21187366	2.7866648	21	6 6.0	20.7
378845 2008 TE_{17}	16.7	X	133.72364	136.43710	337.42331	1.18797	0.0464250	0.19899945	2.9055931	21	5 24.5	20.9
378846 2008 TF_{18}	16.6	X	185.28286	349.57978	34.78208	15.61064	0.0116893	0.19155396	2.9804051	21	4 5.7	20.9
378847 2008 TS_{18}	16.9	X	211.50193	123.40328	237.88684	0.83227	0.1377787	0.19448461	2.9503886	21	3 31.8	21.6
378848 2008 TR_{19}	16.2	X	233.53814	274.78825	37.45130	12.29134	0.2145018	0.19175585	2.9783127	21	2 25.1	21.4
378849 2008 TW_{23}	16.9	X	296.84033	351.85207	347.32027	3.81254	0.0760480	0.21286000	2.7780497	21	6 14.2	20.7
378850 2008 TK_{29}	16.0	X	260.00803	345.33775	24.85124	9.87215	0.3007810	0.21168365	2.7883322	21	5 10.6	20.7
378851 2008 TG_{30}	17.0	X	247.18904	176.81434	183.47398	1.81480	0.0782772	0.20382991	2.8595044	21	5 10.2	21.1
378852 2008 TJ_{30}	17.2	X	162.54299	21.29807	32.95002	2.20069	0.1040984	0.19524708	2.9427025	21	4 17.4	21.5
378853 2008 TC_{31}	16.9	X	184.79383	234.43490	173.38996	2.19523	0.0545274	0.19901291	2.9054621	21	5 1.6	21.1
378854 2008 TK_{51}	17.3	X	197.58998	60.91868	42.23345	1.88516	0.1866473	0.21016284	2.8017675	21	7 21.0	21.9
378855 2008 TP_{53}	16.9	X	138.32795	68.04230	37.73312	6.58438	0.0439228	0.20218343	2.8750076	21	5 18.7	20.9
378856 2008 TC_{61}	16.2	X	295.40001	241.75186	95.84254	8.90843	0.2354780	0.21437595	2.7649377	21	5 18.3	19.9
378857 2008 TE_{64}	17.2	X	213.15332	223.71677	208.37209	3.08582	0.0778374	0.20896466	2.8124673	21	7 1.9	21.4
378858 2008 TT_{74}	16.8	X	298.69652	289.83824	0.48227	1.58787	0.0601189	0.19720563	2.9231864	21	4 16.3	20.6
378859 2008 TE_{77}	17.0	X	268.90046	293.46964	37.27189	1.54215	0.1806464	0.20629386	2.8366898	21	4 14.9	21.4
378860 2008 TD_{83}	16.9	X	256.19484	139.76280	265.52610	3.16019	0.0742930	0.21499156	2.7596570	21	7 18.6	20.7
378861 2008 TN_{83}	16.2	X	215.71710	142.48250	299.35594	2.30757	0.0632831	0.21347034	2.7727519	21	7 19.0	20.1
378862 2008 TZ_{85}	16.9	X	253.64815	27.11010	14.07267	6.37645	0.0774807	0.21428404	2.7657282	21	7 11.1	20.9
378863 2008 TX_{88}	16.1	X	265.12286	297.43179	35.93396	6.62110	0.0603391	0.20325611	2.8648836	21	4 28.7	20.0
378864 2008 TS_{96}	16.5	X	242.68675	143.32194	284.20512	5.28853	0.0357903	0.21769697	2.7367458	21	8 4.8	20.2
378865 2008 TR_{98}	17.0	X	200.96004	226.32892	179.24756	1.98461	0.0700358	0.20317842	2.8656138	21	5 16.4	21.1
378866 2008 TH_{99}	17.0	X	144.75797	284.63984	173.53021	1.98935	0.0255470	0.20310308	2.8663224	21	5 16.2	20.9
378867 2008 TU_{101}	16.7	X	220.81645	40.70192	20.39355	5.47095	0.0183690	0.20998384	2.8033595	21	7 2.4	20.7
378868 2008 TE_{103}	16.2	X	68.66414	190.88756	33.09912	9.56132	0.1114949	0.21354250	2.7721273	21	8 8.5	20.0
378869 2008 TB_{106}	16.7	X	215.52587	309.25274	72.14480	3.10553	0.0839293	0.20240639	2.8728960	21	5 1.6	21.0
378870 2008 TB_{113}	17.1	X	302.71201	264.19466	56.06235	3.90075	0.0666509	0.20667534	2.8331981	21	5 29.6	20.7
378871 2008 TX_{119}	16.6	X	178.28328	38.64866	6.54411	11.89901	0.0063654	0.19823082	2.9130992	21	4 15.7	20.8
378872 2008 TB_{120}	16.3	X	254.04515	102.27757	213.61513	10.86082	0.1021354	0.19795625	2.9157922	21	3 18.4	20.7
378873 2008 TY_{124}	16.7	X	231.09188	160.81200	249.81670	4.22450	0.0657113	0.21075831	2.7964877	21	6 25.9	20.6
378874 2008 TQ_{125}	16.7	X	320.73853	30.90911	272.38041	2.99493	0.0854485	0.20959769	2.8068017	21	5 30.2	20.2
378875 2008 TB_{127}	16.7	X	282.45612	352.80852	328.07228	6.62386	0.0554108	0.20449973	2.8532570	21	5 2.3	20.8
378876 2008 TJ_{132}	16.3	X	33.69076	284.10441	230.52546	10.63701	0.0946565	0.18766739	3.0214135	21	3 4.7	20.3
378877 2008 TZ_{134}	16.4	X	124.01361	256.35696	226.41147	8.98439	0.1468924	0.19774298	2.9178884	21	6 5.4	20.8
378878 2008 TN_{137}	17.1	X	165.77916	101.32503	5.16349	0.75313	0.0896798	0.20412407	2.8567565	21	6 24.3	21.5
378879 2008 TF_{147}	16.6	X	109.79496	153.07676	27.72240	8.23827	0.1477301	0.21253272	2.7809010	21	8 6.4	20.9
378880 2008 TD_{149}	16.3	X	213.84402	55.00402	25.77329	13.47200	0.1848424	0.21089886	2.7952451	21	7 9.1	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378881 2008 TW_{149}	16.8	X	195.70606	48.35962	42.70986	3.99001	0.0616341	0.21207411	2.7849086	21	7 8.2	20.8
378882 2008 TB_{167}	16.9	X	325.61064	190.92292	128.96433	1.29729	0.0383004	0.21152379	2.7897368	21	7 4.9	20.6
378883 2008 TN_{169}	17.0	X	186.73353	230.91645	204.60128	5.60516	0.0694068	0.20288810	2.8683468	21	6 7.7	21.3
378884 2008 TJ_{174}	16.7	X	97.61596	317.46292	225.44983	14.28642	0.0830071	0.20374172	2.8603295	21	7 10.8	21.0
378885 2008 TK_{175}	16.4	X	145.13152	234.26704	158.81063	6.68601	0.1761091	0.18356221	3.0662945	21	3 13.2	21.2
378886 2008 TW_{176}	16.8	X	237.83823	93.17365	220.12435	5.69534	0.1017909	0.18774692	3.0205603	21	2 28.3	21.5
378887 2008 TQ_{183}	16.8	X	277.00206	170.20010	142.27449	2.68812	0.0142077	0.19813696	2.9140190	21	4 24.9	20.9
378888 2008 TY_{184}	16.8	X	198.85508	267.25983	156.88896	8.45780	0.2091220	0.20353515	2.8622645	21	6 4.4	21.8
378889 2008 TQ_{188}	17.0	X	197.21256	210.20866	203.76562	1.48869	0.0637307	0.20321741	2.8652472	21	5 22.8	21.2
378890 2008 UK_{7}	15.7	X	302.28525	249.77554	69.79610	20.58845	0.3185537	0.21264381	2.7799323	21	4 27.1	19.8
378891 2008 UV_{10}	16.3	X	339.67724	296.70151	0.72503	8.83175	0.1408910	0.21459769	2.7630327	21	6 15.9	19.5
378892 2008 UG_{13}	17.1	X	200.15077	63.33595	339.01092	1.28720	0.0732208	0.20292007	2.8680456	21	5 10.4	21.4
378893 2008 UH_{26}	17.0	X	150.86991	262.43978	194.10810	1.66416	0.0260547	0.20294201	2.8678388	21	5 21.6	21.0
378894 2008 UC_{29}	16.9	X	140.48757	337.97123	128.48977	1.33787	0.1062965	0.19702479	2.9249748	21	5 29.5	21.2
378895 2008 UF_{32}	16.3	X	85.93251	53.25561	70.98252	6.09042	0.1282794	0.18850318	3.0124760	21	4 22.7	20.4
378896 2008 UK_{32}	16.9	X	184.66513	339.97026	97.95462	3.31141	0.0429795	0.20232498	2.8736666	21	6 8.2	21.0
378897 2008 UZ_{36}	16.3	X	175.18127	357.12713	32.65806	10.03138	0.0972309	0.19021829	2.9943407	21	4 2.7	20.9
378898 2008 UM_{38}	16.2	X	131.40590	11.81031	38.92451	9.65693	0.1355960	0.18423430	3.0588327	21	3 19.8	20.8
378899 2008 UB_{39}	16.0	X	118.93047	217.54568	241.85547	9.56189	0.0665096	0.19056453	2.9907125	21	4 19.6	20.3
378900 2008 UR_{42}	17.0	X	94.73541	168.39228	266.57869	0.34179	0.1551507	0.17977041	3.1092615	21	3 6.2	21.3
378901 2008 UX_{45}	16.8	X	255.61632	133.30446	182.30188	2.22303	0.1334011	0.19753372	2.9199487	21	3 19.3	21.2
378902 2008 UZ_{45}	16.2	X	0.60995	199.87751	40.61943	13.31855	0.0455239	0.19553714	2.9397916	21	5 8.8	19.9
378903 2008 UX_{48}	16.8	X	127.92069	195.26184	254.04118	4.09749	0.1428794	0.18876909	3.0096463	21	4 27.5	21.3
378904 2008 UL_{51}	16.0	X	97.10983	79.06334	53.04298	15.65393	0.0817257	0.19078863	2.9883701	21	5 9.0	20.0
378905 2008 UF_{54}	16.7	X	132.41787	244.68422	202.37876	2.19853	0.0940657	0.18931409	3.0038674	21	4 25.4	21.2
378906 2008 UV_{57}	16.7	X	256.93093	241.31091	104.06178	3.11967	0.0752718	0.20145782	2.8819070	21	5 3.7	20.9
378907 2008 UK_{60}	16.5	X	229.04749	84.84145	241.83206	8.73691	0.0719287	0.19021547	2.9943702	21	3 6.8	21.3
378908 2008 UP_{60}	16.5	X	277.84937	326.15785	1.90752	5.56855	0.0240120	0.19975301	2.8982810	21	5 11.8	20.6
378909 2008 UD_{63}	16.1	X	177.89209	333.97048	35.54346	10.37273	0.0733913	0.18727164	3.0256687	21	3 13.6	20.7
378910 2008 UM_{63}	16.5	X	209.47295	112.70630	235.28271	7.91415	0.0905035	0.19006192	2.9959828	21	3 12.3	21.3
378911 2008 UX_{66}	16.5	X	157.08720	207.86363	253.14680	7.78703	0.1927059	0.19736608	2.9216019	21	6 13.1	21.4
378912 2008 UM_{71}	16.0	X	230.72787	57.63392	257.88256	11.06483	0.1197819	0.18597426	3.0397240	21	2 20.3	21.0
378913 2008 UX_{75}	16.3	X	176.83103	6.45933	49.68396	17.99211	0.0668514	0.19306650	2.9648185	21	5 4.5	20.8
378914 2008 UN_{76}	15.9	X	112.16510	3.39077	41.59260	7.07954	0.0716340	0.17661354	3.1462029	21	2 11.3	20.4
378915 2008 UD_{80}	16.1	X	256.09856	52.53566	235.40710	10.83627	0.1149054	0.18838909	3.0136921	21	2 13.2	21.0
378916 2008 UV_{84}	16.5	X	117.44697	209.07138	227.87597	14.37504	0.0996685	0.18731018	3.0252537	21	3 23.5	21.1
378917 Stefankarge	16.8	X	180.83680	333.53888	78.50954	5.47778	0.1274316	0.19545741	2.9405910	21	5 5.1	21.5
378918 2008 UQ_{91}	15.6	X	173.25581	93.21575	275.95264	14.47184	0.1178489	0.18332725	3.0689139	21	2 27.5	20.7
378919 2008 UH_{93}	16.1	X	239.63653	357.31272	90.18210	10.77663	0.1760774	0.21377475	2.7701191	21	8 13.6	20.4
378920 2008 UP_{95}	17.1	X	126.74173	308.10879	160.01882	4.14711	0.1921632	0.19601634	2.9349984	21	5 26.1	21.7
378921 2008 UU_{97}	15.9	X	139.10740	206.39350	203.64266	11.68461	0.1529102	0.18692850	3.0293703	21	3 22.8	20.6
378922 2008 UD_{106}	16.8	X	215.76940	158.84770	219.45142	5.07299	0.0792509	0.20184544	2.8782163	21	4 27.4	21.0
378923 2008 UA_{109}	15.7	X	221.61565	236.10088	61.04851	17.91428	0.2204430	0.18084886	3.0968883	21	1 29.3	21.3
378924 2008 UW_{109}	16.8	X	217.63187	101.26246	254.19976	6.64845	0.2082015	0.19660686	2.9291185	21	3 25.6	22.0
378925 2008 UT_{111}	16.6	X	75.82089	130.90576	343.08818	4.19891	0.0654376	0.18648028	3.0342226	21	3 15.7	20.7
378926 2008 UG_{112}	16.4	X	153.32661	138.53152	244.22858	6.41328	0.0895435	0.18574411	3.0422344	21	2 25.6	21.0
378927 2008 UQ_{116}	16.2	X	243.54641	46.63466	257.50122	8.84153	0.0386549	0.18760306	3.0221042	21	2 25.8	20.7
378928 2008 UA_{119}	16.3	X	184.53851	11.52882	348.14866	4.74509	0.0046615	0.18516344	3.0485914	21	3 2.2	20.5
378929 2008 UM_{120}	15.9	X	301.78586	201.06344	12.54219	10.99226	0.0422067	0.17765076	3.1339447	21	1 24.9	20.5
378930 2008 UZ_{121}	15.6	X	79.41895	170.28191	256.19367	11.88739	0.0568592	0.17606226	3.1527670	21	1 19.5	20.0
378931 2008 UR_{125}	15.7	X	169.39790	76.34874	264.96489	11.53020	0.1548067	0.17879850	3.1205188	21	1 29.3	20.8
378932 2008 UK_{126}	16.5	X	130.80778	112.52526	310.40750	3.88320	0.1287311	0.18433262	3.0577449	21	3 27.4	21.0
378933 2008 UC_{127}	16.3	X	45.18156	131.25305	61.26548	7.65391	0.1073561	0.19118002	2.9842901	21	5 17.7	19.8
378934 2008 UH_{132}	16.6	X	273.55701	80.74708	246.70491	2.26317	0.1068131	0.20070418	2.8891169	21	4 24.9	20.8
378935 2008 UB_{133}	16.6	X	183.91597	325.99445	17.43401	1.17393	0.1727718	0.18563327	3.0434453	21	2 16.9	21.5
378936 2008 UT_{135}	16.6	X	167.74249	142.30953	217.48783	1.06291	0.0987363	0.18405193	3.0608529	21	2 16.8	21.2
378937 2008 UM_{138}	16.6	X	208.70029	351.24931	51.73556	6.58257	0.0805941	0.20029184	2.8930807	21	5 20.6	20.9
378938 2008 UT_{138}	16.4	X	97.79698	258.73985	221.01194	15.10703	0.2923047	0.18611161	3.0382283	21	5 22.9	21.0
378939 2008 UZ_{139}	16.2	X	27.20337	338.48050	226.96754	9.73681	0.0594527	0.19484534	2.9467460	21	5 2.4	20.0
378940 2008 UP_{141}	16.8	X	154.62698	121.60596	225.36063	4.01344	0.1503649	0.17859588	3.1228785	21	1 24.3	21.8
378941 2008 UZ_{142}	15.8	X	197.19767	264.39034	48.71068	21.66039	0.1164930	0.18077923	3.0976834	21	1 29.2	21.1
378942 2008 UN_{144}	16.7	X	198.95042	140.67522	217.61234	6.17346	0.1373328	0.19041643	2.9922631	21	3 15.6	21.7
378943 2008 UC_{147}	16.8	X	289.69915	10.02301	326.08212	1.23920	0.0704672	0.20347370	2.8628407	21	6 1.4	20.7
378944 2008 UM_{148}	16.8	X	178.85264	2.85510	26.01273	1.25300	0.1355605	0.19027059	2.9937919	21	4 4.5	21.6
378945 2008 UO_{157}	16.3	X	71.71351	279.84425	229.48275	8.68750	0.1606180	0.18721155	3.0263161	21	5 8.4	20.1
378946 2008 UQ_{159}	15.6	X	358.18576	140.85697	17.11623	11.83196	0.1661642	0.17472070	3.1688850	21	1 17.6	19.6
378947 2008 UZ_{166}	16.7	X	265.33510	162.08415	175.64510	2.45816	0.1084429	0.20097517	2.8865191	21	4 29.3	20.8
378948 2008 UP_{176}	16.8	X	250.19036	3.40606	2.49850	2.09432	0.1285911	0.20452119	2.8530573	21	5 14.3	21.2
378949 2008 UM_{177}	17.0	X	272.43022	105.15579	224.27385	13.95219	0.1678002	0.20344026	2.8631545	21	4 17.4	21.2
378950 2008 UM_{178}	16.6	X	178.25082	357.74993	1.48606	4.64509	0.1650859	0.18856364	3.0118320	21	3 2.1	21.5
378951 2008 UU_{184}	16.6	X	203.94575	87.65381	245.62369	2.17003	0.0429533	0.18237586	3.0795776	21	2 20.7	21.2
378952 2008 UH_{185}	16.9	X	216.48041	270.84421	86.71654	1.63289	0.0970356	0.19179620	2.9778951	21	4 3.6	21.5
378953 2008 UQ_{185}	16.6	X	135.22694	216.96889	219.19803	2.80844	0.0550580	0.18823482	3.0153385	21	4 10.2	20.9
378954 2008 UK_{187}	16.4	X	142.18404	295.25461	126.23912	2.65745	0.0978248	0.18592813	3.0402267	21	4 6.4	20.9
378955 2008 UH_{188}	15.4	X	176.98562	112.39205	232.45401	21.60532	0.0589848	0.17800236	3.1298165	21	1 30.6	20.5
378956 2008 UC_{189}	17.3	X	224.92389	63.80112	18.97814	5.10085	0.1344594	0.21519389	2.7579269	21	7 26.0	21.5
378957 2008 UN_{189}	16.7	X	211.75513	225.03673	179.12382	2.21972	0.0718583	0.20671458	2.8328395	21	5 26.4	20.8
378958 2008 UP_{189}	16.8	X	276.88494	256.58484	28.67208	2.47044	0.0503171	0.19725613	2.9226875	21	3 16.1	21.0
378959 2008 UY_{190}	18.2	X	72.71798	261.83070	55.07588	5.93733	0.2533918	0.31545670	2.1371887	21	—	—
378960 2008 UL_{196}	16.8	X	209.43377	329.08359	97.84085	3.30971	0.0557373	0.20584006	2.8408575	21	6 22.6	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
378961 2008 UH_{204}	16.2	X	248.04855	123.86867	287.36351	4.96907	0.0695469	0.21079582	2.7961559	21	7 17.0	20.0
378962 2008 UK_{207}	16.8	X	268.43014	125.36133	249.18372	2.92283	0.1145838	0.20938577	2.8086952	21	6 17.9	20.6
378963 2008 UC_{210}	16.6	X	289.52189	319.54655	343.10209	1.34410	0.0572385	0.19866598	2.9088436	21	4 20.4	20.6
378964 2008 UF_{217}	16.8	X	172.89253	293.95757	150.46627	2.57638	0.0426631	0.20619368	2.8376085	21	6 2.7	20.9
378965 2008 UO_{217}	16.0	X	282.52112	253.79380	22.25609	9.77415	0.0832980	0.19061197	2.9902162	21	3 10.6	20.3
378966 2008 UU_{218}	16.1	X	30.46776	226.02640	259.90993	4.09674	0.1057375	0.17716623	3.1396562	21	1 28.2	19.9
378967 2008 UR_{221}	15.9	X	147.80190	116.39786	257.23395	8.25074	0.0509605	0.18038337	3.1022138	21	2 5.7	20.5
378968 2008 UC_{226}	15.8	X	127.14457	167.69411	286.28530	9.40566	0.1855351	0.19080633	2.9881853	21	5 5.1	20.7
378969 2008 UV_{229}	15.9	X	99.90962	210.64654	261.80946	11.42816	0.0705239	0.18611035	3.0382420	21	4 11.3	20.4
378970 2008 UN_{237}	16.4	X	201.05589	9.01767	15.73993	8.69326	0.0997823	0.19548059	2.9403585	21	4 18.8	20.9
378971 2008 UT_{239}	17.9	X	116.00219	252.32032	34.23672	22.13345	0.0137257	0.38790289	1.8620330	21	—	—
378972 2008 UN_{240}	16.5	X	247.54053	17.93178	322.25820	5.44760	0.0995275	0.19644356	2.9307415	21	4 10.7	21.0
378973 2008 UQ_{240}	16.3	X	167.43042	333.73620	17.40146	9.81394	0.0849232	0.18066031	3.0990426	21	2 10.1	21.1
378974 2008 UD_{242}	16.0	X	108.44924	123.56654	326.97866	8.14568	0.1112261	0.18542939	3.0456757	21	3 31.9	20.4
378975 2008 UT_{242}	16.1	X	139.04434	141.56777	293.10525	8.78305	0.0914747	0.18916283	3.0054685	21	4 12.7	20.8
378976 2008 UH_{244}	15.8	X	267.89230	264.04873	74.35271	15.63066	0.1678679	0.20482605	2.8502257	21	4 30.3	20.2
378977 2008 UG_{247}	15.9	X	250.60149	227.42629	60.72577	12.01064	0.2237824	0.18474009	3.0532471	21	2 9.9	21.2
378978 2008 UV_{258}	16.6	X	79.29350	57.42246	51.54803	12.35107	0.1923910	0.18078771	3.0975865	21	4 7.5	20.7
378979 2008 UJ_{259}	15.9	X	251.42195	215.30556	51.03617	11.57124	0.0764765	0.17885171	3.1198999	21	1 26.2	20.8
378980 2008 UH_{263}	15.5	X	187.07974	77.97420	261.27866	9.44764	0.0888933	0.17941216	3.1133992	21	2 8.9	20.4
378981 2008 UJ_{263}	16.1	X	195.02597	110.77672	256.49237	10.48316	0.0884283	0.18706353	3.0279123	21	3 19.5	21.0
378982 2008 US_{267}	16.6	X	236.06592	294.28363	46.27576	8.87384	0.0291882	0.19405510	2.9547405	21	4 9.8	20.8
378983 2008 UB_{270}	16.4	X	228.76259	216.33978	70.70365	6.46716	0.1107484	0.18177149	3.0864000	21	1 23.7	21.3
378984 2008 UC_{272}	16.4	X	192.16986	27.39278	349.88715	2.06865	0.0839876	0.19138929	2.9821143	21	4 1.8	21.0
378985 2008 UF_{279}	16.9	X	187.93720	224.28344	214.47999	7.92294	0.0416771	0.20421807	2.8558799	21	6 13.1	21.1
378986 2008 US_{282}	16.7	X	124.09489	268.16766	211.32381	10.83161	0.0828844	0.19776878	2.9176346	21	5 25.7	21.0
378987 2008 UO_{288}	16.8	X	243.36376	235.43120	105.41843	3.13018	0.0875744	0.19739578	2.9213088	21	4 12.1	21.1
378988 2008 UG_{289}	16.1	X	108.61654	335.88053	74.37326	13.70806	0.0806005	0.17683065	3.1436270	21	2 16.6	20.7
378989 2008 UW_{289}	16.2	X	281.33232	20.16242	216.14345	9.22473	0.0691553	0.17576959	3.1562657	21	1 19.1	20.9
378990 2008 UC_{290}	15.9	X	357.82797	88.55494	77.99181	12.52559	0.0599874	0.17607035	3.1526703	21	2 6.3	20.2
378991 2008 UV_{291}	16.4	X	53.32923	99.00691	26.57851	9.17631	0.0322346	0.18470140	3.0536735	21	3 1.5	20.6
378992 2008 UF_{295}	16.6	X	263.49888	117.03621	229.57469	16.58336	0.1560933	0.20336858	2.8638272	21	5 1.4	20.9
378993 2008 US_{300}	16.0	X	115.74284	180.54826	273.33328	8.11692	0.0976479	0.18810083	3.0167702	21	4 11.6	20.5
378994 2008 UK_{308}	16.5	X	220.00774	73.32218	274.55508	7.01535	0.1149712	0.19240774	2.9715818	21	3 21.3	21.3
378995 2008 UG_{309}	15.7	X	231.86786	223.40271	252.04106	11.68851	0.1279267	0.21814186	2.7330235	21	9 6.7	20.0
378996 2008 UD_{314}	15.7	X	120.62377	46.04624	31.61860	11.11481	0.1324201	0.18507080	3.0496087	21	4 7.3	20.1
378997 2008 UK_{316}	16.1	X	309.81494	6.42119	233.81158	7.97095	0.0666934	0.18220007	3.0815581	21	2 24.5	20.6
378998 2008 UZ_{316}	16.3	X	167.07642	205.69373	270.65887	5.96380	0.1603912	0.19265099	2.9690799	21	7 9.5	21.1
378999 2008 UY_{324}	15.6	X	277.50181	22.91426	254.98817	14.14026	0.0480347	0.18407478	3.0605996	21	3 1.9	20.3
379000 2008 UN_{330}	16.2	X	178.81584	305.46789	45.78831	9.05618	0.0701791	0.18399804	3.0614506	21	2 20.9	20.9
379001 2008 UE_{335}	16.3	X	12.44876	158.60158	18.46779	8.10526	0.0635412	0.18298079	3.0727865	21	3 9.5	20.2
379002 2008 UO_{336}	16.9	X	187.15682	295.86293	52.62920	3.47414	0.1186828	0.18527822	3.0473322	21	2 25.1	21.7
379003 2008 UN_{340}	17.0	X	124.32090	255.49809	163.84804	1.57745	0.0800859	0.18565620	3.0431948	21	3 11.7	21.3
379004 2008 UP_{344}	17.1	X	100.20513	253.09364	234.29637	1.67209	0.1455798	0.18828789	3.0147719	21	5 15.4	21.5
379005 2008 UQ_{344}	16.6	X	117.67798	209.42670	234.45945	2.36058	0.1100904	0.18455477	3.0552907	21	4 6.3	20.9
379006 2008 UY_{346}	16.4	X	106.61624	274.59923	202.75599	1.85825	0.1655692	0.18065967	3.0990500	21	5 13.6	21.0
379007 2008 UZ_{347}	16.3	X	151.47721	22.72672	51.63995	6.06829	0.1013059	0.19334050	2.9620166	21	5 1.1	20.8
379008 2008 UH_{349}	16.4	X	109.38761	29.65766	99.63845	3.02500	0.2257575	0.19027786	2.9937156	21	6 7.2	20.9
379009 2008 UN_{350}	16.8	X	150.12829	346.97286	73.07608	3.01440	0.1353882	0.18780141	3.0199759	21	4 15.8	21.6
379010 2008 UY_{352}	15.6	X	358.33544	303.74762	242.56257	9.53777	0.0119025	0.18109299	3.0941043	21	2 25.6	20.0
379011 2008 UA_{354}	16.0	X	102.84683	174.44008	238.56694	9.71645	0.0479012	0.17566516	3.1575165	21	1 31.1	20.6
379012 2008 UJ_{354}	15.8	X	240.46711	289.20985	119.63232	13.05318	0.1364895	0.20691484	2.8310114	21	6 27.6	20.1
379013 2008 UJ_{359}	16.5	X	98.87092	357.01850	111.50767	2.79087	0.1349703	0.18596426	3.0398330	21	4 19.9	20.7
379014 2008 UD_{369}	16.0	X	195.33609	86.32206	71.09073	10.51285	0.0972177	0.21531310	2.7569089	21	10 4.4	20.3
379015 2008 UG_{369}	16.7	X	193.69706	313.81506	64.00564	12.94893	0.0418076	0.19044070	2.9920088	21	4 10.0	21.2
379016 2008 VZ_{4}	17.1	X	116.65688	330.12490	239.45728	20.38055	0.0657968	0.37181028	1.9153808	21	9 12.9	19.9
379017 2008 VJ_{7}	16.3	X	199.25932	97.64233	356.52221	12.85752	0.1744651	0.21638024	2.7478371	21	7 14.4	21.0
379018 2008 VE_{19}	16.6	X	200.28207	341.60996	91.00273	3.29758	0.0594763	0.20414746	2.8565383	21	6 19.1	20.7
379019 2008 VH_{21}	16.8	X	68.17944	337.06428	177.72232	3.89022	0.0405056	0.19209854	2.9747696	21	4 24.0	20.8
379020 2008 VM_{23}	16.0	X	95.21095	3.34192	84.25235	6.54834	0.1204647	0.18034906	3.1026072	21	3 21.0	20.3
379021 2008 VY_{34}	15.6	X	249.51297	39.49637	234.42492	25.96846	0.0484733	0.17692102	3.1425564	21	1 23.4	20.8
379022 2008 VP_{35}	16.2	X	155.67110	137.83498	265.89663	8.94994	0.0993714	0.18769607	3.0211058	21	3 24.3	21.0
379023 2008 VW_{35}	16.3	X	326.95444	347.94121	263.22071	9.30549	0.0636477	0.19092055	2.9869934	21	3 31.1	20.5
379024 2008 VR_{38}	17.3	X	188.86926	78.83431	342.21528	2.65851	0.1584543	0.19681707	2.9270325	21	5 21.7	22.1
379025 2008 VE_{39}	16.7	X	240.35864	17.08753	7.51099	1.46311	0.0730981	0.20132727	2.8831527	21	6 2.4	20.9
379026 2008 VJ_{39}	15.1	X	66.80383	240.66627	263.39924	13.01801	0.1175769	0.17823253	3.1271214	21	4 14.4	19.5
379027 2008 VP_{44}	17.2	X	198.27449	103.18142	202.97272	13.68765	0.3201765	0.18326799	3.0695753	21	1 16.9	23.1
379028 2008 VN_{46}	16.2	X	115.95947	5.17661	58.51871	15.91452	0.0539300	0.18163557	3.0879395	21	3 13.1	20.9
379029 2008 VP_{51}	16.7	X	143.05756	103.91511	336.64218	0.42182	0.2184737	0.18916497	3.0054459	21	5 8.8	21.6
379030 2008 VA_{59}	15.9	X	45.82502	98.67281	61.02593	11.14052	0.0460141	0.18687629	3.0299345	21	4 5.2	20.1
379031 2008 VW_{60}	16.7	X	163.53228	289.51562	165.60673	1.98339	0.0459210	0.20064451	2.8896896	21	6 5.6	20.8
379032 2008 VS_{70}	16.8	X	102.76127	145.14231	333.91500	0.42144	0.0620033	0.19042857	2.9921359	21	4 25.7	21.1
379033 2008 VV_{70}	16.3	X	3.25122	112.55759	40.63244	10.07750	0.0500792	0.17501707	3.1653065	21	1 29.2	20.7
379034 2008 VJ_{73}	16.1	X	313.82567	344.36965	232.09601	2.54293	0.0951080	0.17756229	3.1349857	21	1 31.3	20.4
379035 2008 VL_{76}	15.8	X	65.28614	50.62802	66.88635	6.74709	0.1316882	0.18121582	3.0927060	21	3 18.9	19.7
379036 2008 VG_{77}	16.0	X	164.49230	272.95521	91.29135	10.23280	0.0646566	0.18128065	3.0919687	21	2 20.4	20.7
379037 2008 WV_{9}	16.2	X	122.48496	312.34000	85.15776	2.28875	0.1755734	0.17980932	3.1088129	21	2 24.9	20.9
379038 2008 WC_{13}	18.3	X	286.55768	60.78286	57.39091	23.07320	0.1066097	0.38603872	1.8680226	21	—	—
379039 2008 WA_{15}	16.6	X	210.51175	113.44642	294.24721	0.85751	0.0806249	0.20299215	2.8673665	21	5 28.6	20.8
379040 2008 WO_{18}	16.7	X	271.43943	344.26479	314.27214	1.14895	0.1403381	0.19577678	2.9373921	21	3 14.2	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379041 2008 WW_{19}	16.7	X	307.29779	268.52507	51.06931	2.80257	0.0590545	0.20280346	2.8691448	21	6 5.5	20.3
379042 2008 WV_{23}	16.2	X	191.34769	189.83276	247.53867	7.84368	0.0517135	0.20195104	2.8772128	21	6 15.1	20.3
379043 2008 WM_{25}	17.0	X	202.51420	213.36988	211.17679	1.32351	0.0537422	0.20313885	2.8659859	21	6 11.6	21.2
379044 2008 WR_{25}	17.0	X	276.82804	138.36280	210.23850	1.37655	0.0768999	0.20470222	2.8513751	21	5 31.2	20.9
379045 2008 WF_{29}	16.2	X	248.64740	39.55462	218.40583	7.65530	0.0390082	0.17563981	3.1578203	21	1 12.4	20.9
379046 2008 WU_{29}	15.9	X	320.64625	291.44848	269.81727	7.52220	0.0382159	0.17470878	3.1690292	21	1 28.8	20.3
379047 2008 WV_{31}	16.8	X	154.97095	81.77605	358.87827	1.43171	0.1733496	0.19106986	2.9854371	21	5 16.3	21.5
379048 2008 WL_{33}	16.0	X	191.93219	111.90310	274.95787	14.36779	0.2013597	0.19261516	2.9694481	21	4 8.2	21.3
379049 2008 WB_{37}	16.1	X	163.58105	182.31598	238.34195	8.07634	0.1158687	0.19165273	2.9793810	21	4 26.2	20.7
379050 2008 WE_{42}	16.4	X	207.25887	305.18291	35.71230	4.44589	0.0155485	0.18330488	3.0691636	21	3 8.4	20.7
379051 2008 WD_{43}	16.5	X	231.14880	279.94976	57.99943	10.01288	0.1231161	0.19024385	2.9940724	21	3 28.4	21.3
379052 2008 WT_{45}	15.6	X	265.54149	331.31634	256.39637	7.14639	0.0455992	0.16968098	3.2313247	21	—	—
379053 2008 WC_{47}	16.0	X	195.64223	260.97274	67.28677	16.34965	0.2762744	0.18384145	3.0631887	21	2 16.6	21.8
379054 2008 WO_{48}	16.2	X	285.29247	269.06303	58.11297	8.86724	0.1710992	0.20370040	2.8607163	21	5 1.5	20.2
379055 2008 WA_{49}	16.6	X	136.09596	238.16085	223.48506	10.30353	0.0634818	0.19521789	2.9429958	21	5 14.5	20.9
379056 2008 WK_{53}	16.4	X	17.48857	326.36469	211.30815	7.99314	0.0930765	0.18684694	3.0302519	21	3 11.5	20.2
379057 2008 WJ_{58}	16.0	X	131.32808	168.51495	230.98666	10.04152	0.0058050	0.18025001	3.1037437	21	2 10.9	20.6
379058 2008 WG_{64}	16.1	X	171.58603	153.26433	264.13896	9.08089	0.1720582	0.19228420	2.9728545	21	5 1.2	21.1
379059 2008 WN_{65}	16.0	X	190.14355	115.40070	244.51402	11.05094	0.1241278	0.18983879	2.9983298	21	3 6.3	21.1
379060 2008 WV_{66}	16.1	X	123.51776	350.22521	73.10171	11.09697	0.1288582	0.18320952	3.0702285	21	3 27.9	20.8
379061 2008 WY_{73}	16.2	X	175.47405	322.32523	75.95202	4.08756	0.2518555	0.18788094	3.0191237	21	4 17.7	21.4
379062 2008 WU_{76}	16.0	X	154.91840	168.10259	224.97325	9.03805	0.0749517	0.18405166	3.0608560	21	3 10.3	20.7
379063 2008 WY_{79}	16.5	X	2.87343	18.71705	202.75065	6.96216	0.0198480	0.19005496	2.9960559	21	4 19.8	20.5
379064 2008 WN_{83}	16.2	X	170.21699	282.67026	83.91671	20.42838	0.3057801	0.18587722	3.0407818	21	3 19.4	22.1
379065 2008 WN_{86}	16.7	X	92.11875	95.35332	49.65971	13.67477	0.0897224	0.19583635	2.9367964	21	5 18.4	20.6
379066 2008 WN_{88}	15.7	X	190.32520	252.95096	63.60447	11.88481	0.0761311	0.17608202	3.1525310	21	1 22.5	20.6
379067 2008 WY_{91}	16.3	X	163.70259	343.03732	62.31665	2.93433	0.1492419	0.18956961	3.0011675	21	4 11.7	21.1
379068 2008 WD_{92}	15.9	X	94.35265	188.65197	243.40751	7.98564	0.0453406	0.17898170	3.1183891	21	2 11.7	20.4
379069 2008 WW_{99}	16.4	X	264.33598	274.85566	73.08636	7.64594	0.0718799	0.20123285	2.8840545	21	5 16.2	20.4
379070 2008 WS_{103}	16.8	X	204.68137	172.82352	229.77075	10.06221	0.1404202	0.19893900	2.9061817	21	5 14.6	21.5
379071 2008 WK_{107}	16.9	X	220.66254	203.44999	205.68922	1.36543	0.0660693	0.20353017	2.8623112	21	6 12.1	21.1
379072 2008 WZ_{113}	16.0	X	95.72556	237.35984	249.31464	7.57740	0.0546567	0.18787328	3.0192057	21	4 24.1	20.3
379073 2008 WD_{115}	16.5	X	102.66759	340.49520	66.01862	1.51232	0.1845021	0.17587230	3.1550368	21	2 15.1	20.8
379074 2008 WS_{119}	16.6	X	92.61149	223.17988	258.47258	7.27090	0.1161366	0.18542260	3.0457502	21	4 22.5	20.9
379075 2008 WR_{125}	16.4	X	123.72316	161.41777	264.60196	3.57332	0.1518846	0.17570455	3.1570445	21	3 27.1	21.1
379076 2008 WT_{125}	16.5	X	142.84106	39.38113	4.57308	1.21096	0.1923902	0.18022679	3.1040102	21	3 24.9	21.5
379077 2008 WV_{125}	16.7	X	91.69107	286.56238	163.28053	1.12360	0.1631352	0.17430812	3.1738834	21	3 22.9	21.0
379078 2008 WE_{128}	16.4	X	55.43164	322.41067	128.95216	1.74743	0.0619606	0.17201426	3.2020375	21	1 22.2	20.6
379079 2008 WW_{131}	16.4	X	78.93008	270.45225	189.69167	15.76813	0.2691973	0.17946894	3.1127425	21	4 3.3	20.4
379080 2008 WG_{133}	16.1	X	180.56173	297.32924	88.64487	6.31469	0.1337877	0.18510744	3.0492062	21	4 6.1	21.0
379081 2008 WJ_{135}	16.6	X	214.16813	311.20975	68.26519	2.12433	0.1629470	0.19401788	2.9551184	21	4 25.2	21.5
379082 2008 WF_{137}	15.5	X	339.23714	184.63587	75.66370	10.91670	0.0489767	0.19245512	2.9710941	21	5 7.9	19.4
379083 2008 WX_{138}	16.0	X	90.95496	198.32450	243.22389	7.21729	0.1171278	0.17746457	3.1361364	21	3 1.1	20.4
379084 2008 WS_{139}	15.4	X	131.90404	340.77956	88.53466	29.88453	0.1963488	0.17983921	3.1084684	21	4 29.8	20.9
379085 2008 XZ_{1}	15.6	X	87.06015	48.42420	70.66018	28.10464	0.2447113	0.17416559	3.1756148	21	5 11.6	20.3
379086 2008 XG_{11}	15.8	X	131.94991	150.97714	229.73472	15.88656	0.1578578	0.17665775	3.1456779	21	2 6.5	20.9
379087 2008 XR_{15}	16.7	X	96.36699	222.84673	248.36025	3.19097	0.1226766	0.18370650	3.0646887	21	4 16.3	20.9
379088 2008 XL_{17}	16.0	X	125.97321	197.38629	211.55145	3.89537	0.1256945	0.17984868	3.1083593	21	3 6.0	20.7
379089 2008 XY_{20}	15.9	X	120.87999	297.85915	97.09759	17.12468	0.2267872	0.17470571	3.1690663	21	3 4.1	21.0
379090 2008 XY_{27}	16.0	X	133.79601	5.38924	38.15184	11.44636	0.0562184	0.18077379	3.0977456	21	3 6.6	20.6
379091 2008 XE_{29}	15.9	X	206.93816	39.30996	249.57692	8.25885	0.0546114	0.17484847	3.1673410	21	1 4.2	20.7
379092 2008 XM_{31}	16.8	X	87.84637	177.09033	301.09922	3.82963	0.1350810	0.18448819	3.0560257	21	4 14.9	21.1
379093 2008 XK_{45}	16.1	X	152.19687	303.96720	125.15481	8.01634	0.1833338	0.18589422	3.0405965	21	5 4.2	21.2
379094 2008 XL_{53}	16.0	X	109.88653	125.57555	327.49356	14.26242	0.1997764	0.18066672	3.0989693	21	4 14.1	20.9
379095 2008 XQ_{55}	16.4	X	99.20828	99.53581	51.89447	5.25321	0.2013864	0.18692607	3.0293966	21	6 21.1	20.9
379096 2008 YD	15.8	X	172.29322	299.46439	74.79857	12.40163	0.1770143	0.18713012	3.0271940	21	3 20.8	21.0
379097 2008 YO_{5}	16.4	X	131.64411	300.64313	126.27289	4.19107	0.2298450	0.18430075	3.0580974	21	4 15.8	21.4
379098 2008 YV_{5}	15.9	X	79.66230	34.30058	80.83750	24.83155	0.3269317	0.17499830	3.1655329	21	5 10.7	20.6
379099 2008 YE_{6}	17.8	X	263.79970	228.78908	125.97265	0.77096	0.2400908	0.28175585	2.3043799	21	4 28.7	21.1
379100 2008 YQ_{7}	16.0	X	193.47837	292.46444	90.26143	9.89133	0.2432412	0.19067110	2.9895981	21	4 15.5	21.4
379101 2008 YE_{12}	15.7	X	289.41513	150.70081	77.36175	10.33966	0.0464091	0.17425322	3.1745500	21	1 25.9	20.4
379102 2008 YF_{13}	15.9	X	142.11055	133.15132	279.63119	8.72884	0.0984597	0.17862518	3.1225371	21	3 21.7	20.8
379103 2008 YS_{13}	15.5	X	138.36781	86.92164	298.34151	24.13539	0.3230088	0.17464292	3.1698257	21	2 26.9	21.2
379104 2008 YL_{14}	15.6	X	332.84481	189.54133	66.61939	11.44474	0.0823165	0.19075115	2.9887616	21	4 21.4	19.5
379105 2008 YU_{22}	15.7	X	108.31987	291.48981	130.57977	10.46767	0.1105096	0.17006738	3.2264284	21	3 4.7	20.3
379106 2008 YW_{23}	15.1	X	108.26015	95.41334	286.23643	23.42162	0.3318408	0.17178033	3.2049438	21	2 3.6	20.2
379107 2008 YL_{25}	15.8	X	129.46747	321.32329	142.68974	17.01568	0.3335304	0.18363270	3.0655098	21	6 6.4	21.4
379108 2008 YY_{40}	16.0	X	114.83139	173.94874	266.16984	5.13138	0.1311958	0.17615395	3.1516728	21	3 31.2	20.7
379109 2008 YE_{41}	16.0	X	95.87709	45.20191	81.08313	12.43080	0.2557567	0.17980225	3.1088944	21	5 25.6	20.7
379110 2008 YW_{55}	15.9	X	134.32576	119.68778	298.67301	9.60089	0.1563190	0.17997018	3.1069602	21	3 25.6	20.9
379111 2008 YU_{60}	15.8	X	112.47352	143.91062	299.46147	16.68344	0.2263490	0.17865686	3.1221679	21	4 6.7	20.9
379112 2008 YD_{64}	15.5	X	139.33420	113.86220	286.57368	14.85047	0.2577874	0.17732825	3.1377434	21	3 15.5	21.0
379113 2008 YN_{108}	16.1	X	135.03576	281.53710	109.87170	6.38717	0.1399590	0.17052304	3.2206783	21	3 1.0	21.0
379114 2008 YG_{125}	15.5	X	74.89600	97.63053	297.51944	16.84786	0.0131647	0.15693325	3.4040250	21	—	—
379115 2008 YZ_{127}	16.0	X	98.27892	314.02302	122.40553	6.27015	0.1751377	0.17168599	3.2061178	21	3 19.0	20.5
379116 2008 YX_{135}	16.2	X	288.48064	142.20905	77.33771	5.19183	0.0152512	0.16748197	3.2595477	21	1 19.1	20.8
379117 2008 YT_{136}	15.6	X	277.70302	152.00100	96.88695	9.21324	0.0084222	0.17182530	3.2043847	21	2 11.7	20.2
379118 2008 YA_{138}	16.6	X	80.59778	333.02725	146.05323	1.72296	0.1528270	0.17666324	3.1456127	21	4 12.6	20.8
379119 2008 YL_{171}	16.3	X	155.55222	115.60740	293.92814	4.00652	0.1919106	0.18385963	3.0629868	21	4 9.4	21.3
379120 2009 AD_{15}	16.7	X	151.53473	308.16971	98.37521	0.55954	0.2233952	0.17951191	3.1122456	21	4 6.9	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379121 2009 AO_{21}	16.4	X	56.21290	99.10042	41.54219	1.18571	0.1245900	0.17677787	3.1442527	21	3 31.2	20.2
379122 2009 AD_{35}	15.9	X	89.34529	141.10808	312.71698	6.38280	0.1414481	0.17566698	3.1574947	21	3 18.6	20.2
379123 2009 AD_{48}	16.5	X	148.16253	307.00548	163.68895	5.32776	0.2736521	0.18877961	3.0095345	21	6 21.5	21.8
379124 2009 BE_{10}	16.4	X	163.66579	245.18007	164.16402	1.23319	0.2298646	0.18464232	3.0543248	21	4 20.1	21.6
379125 2009 BT_{14}	16.0	X	139.10919	98.53797	342.39698	5.42835	0.1955316	0.18228824	3.0805644	21	5 2.6	21.1
379126 2009 BN_{31}	16.0	X	113.85736	329.96191	105.36255	3.80437	0.2323583	0.17580215	3.1558760	21	4 10.0	20.8
379127 2009 BY_{74}	15.2	X	37.00712	71.34915	75.90450	13.46257	0.1047170	0.17062144	3.2194399	21	3 16.3	19.5
379128 2009 BW_{135}	15.9	X	91.50080	133.66622	223.88489	1.54421	0.0904819	0.15081081	3.4955410	21	—	—
379129 2009 BV_{183}	16.0	X	79.33794	79.82595	58.33425	14.88207	0.2049715	0.17800579	3.1297762	21	5 13.1	20.2
379130 Lopresti	15.7	X	141.27118	340.12117	71.57338	10.77604	0.2750086	0.17847524	3.1242857	21	4 12.6	21.1
379131 2009 CL_{40}	15.9	X	125.93181	50.32768	0.28845	5.05716	0.1308970	0.17221304	3.1995731	21	3 11.4	20.6
379132 2009 CX_{42}	16.5	X	248.70997	328.97308	100.85934	9.41621	0.2112980	0.20982877	2.8047406	21	7 25.3	20.7
379133 2009 CL_{45}	16.6	X	84.46506	321.06168	122.43942	2.98408	0.0787987	0.16967680	3.2313779	21	2 23.2	21.0
379134 2009 CJ_{53}	15.7	X	101.41060	336.31321	130.33266	17.11201	0.1557525	0.17891332	3.1191836	21	4 29.8	20.5
379135 2009 CR_{55}	15.9	X	124.13615	289.21560	166.59199	25.66995	0.3482531	0.18101542	3.0949882	21	5 25.8	21.7
379136 2009 DL_{22}	15.4	X	120.76019	4.65986	243.11793	0.93551	0.1801729	0.12688847	3.9221235	21	10 28.9	21.6
379137 2009 DA_{24}	16.0	X	180.29874	335.91770	90.36038	10.82092	0.0891109	0.19478717	2.9473326	21	5 22.1	20.6
379138 2009 DE_{51}	17.6	X	287.76643	65.23863	6.89348	19.24084	0.0884804	0.36336925	1.9449298	21	10 22.7	19.3
379139 2009 DS_{124}	17.6	X	200.48561	309.84260	351.77973	8.24695	0.2791474	0.30575352	2.1821691	21	1 1.5	21.4
379140 2009 EK_{16}	18.0	X	29.22506	300.51050	184.32745	6.31678	0.2579492	0.24077006	2.5589849	21	—	—
379141 2009 EF_{26}	15.2	X	183.12879	175.63092	22.93533	2.78416	0.1527305	0.12362920	3.9907575	21	10 24.5	21.4
379142 2009 FR_{40}	14.9	X	167.98274	209.53693	14.79790	8.81856	0.1331245	0.12488986	3.9638566	21	11 7.9	21.2
379143 2009 HU_{11}	13.1	X	311.79726	234.90931	68.20551	22.89434	0.1389700	0.08347652	5.1851322	21	5 20.1	19.6
379144 2009 HV_{11}	17.5	X	237.98557	70.74324	36.12611	22.12321	0.0930696	0.35689268	1.9683891	21	10 7.4	19.7
379145 2009 HP_{55}	18.0	X	180.09649	65.06744	220.60641	4.28400	0.1387095	0.29425670	2.2386446	21	—	—
379146 2009 OM	17.5	X	146.56307	358.75702	318.54805	1.10831	0.2495749	0.28272515	2.2991100	21	—	—
379147 2009 OF_{4}	18.2	X	121.92862	54.27998	270.09659	4.79579	0.1710947	0.27752198	2.3277578	21	—	—
379148 2009 PR_{6}	17.3	X	237.34407	3.89058	235.91832	7.86915	0.0960669	0.28798314	2.2710394	21	—	—
379149 2009 PH_{10}	17.7	X	74.79203	349.82829	317.53990	2.04896	0.2246425	0.26370740	2.4083587	21	12 17.4	21.4
379150 2009 PK_{12}	17.3	X	84.78526	206.69157	126.50088	3.19488	0.2239130	0.26824526	2.3811204	21	—	—
379151 2009 PA_{17}	16.1	X	103.85010	218.96468	87.02209	24.81458	0.2066555	0.26787471	2.3833157	21	—	—
379152 2009 PE_{21}	17.5	X	47.41068	89.27757	249.42009	3.92178	0.1917319	0.26144234	2.4222489	21	12 24.2	20.6
379153 2009 QV_{1}	17.7	X	26.27527	245.65207	90.12025	3.80158	0.1954009	0.25474265	2.4645347	21	11 22.5	20.3
379154 2009 QU_{4}	17.9	X	118.91521	279.66552	33.78664	0.46987	0.2286858	0.27424876	2.3462427	21	—	—
379155 Volkerheinrich	17.7	X	109.63505	167.49272	132.68942	5.43073	0.2115092	0.26925982	2.3751353	21	—	—
379156 2009 QN_{8}	17.0	X	61.57445	129.42736	184.04013	11.36688	0.3514703	0.25944312	2.4346765	21	12 24.0	21.2
379157 2009 QB_{11}	17.0	X	105.54496	113.04984	169.85466	7.43731	0.2109561	0.26411920	2.4058548	21	12 14.1	21.0
379158 2009 QO_{12}	17.7	X	27.75269	79.80660	302.02256	3.40775	0.2047275	0.26157945	2.4214024	21	—	—
379159 2009 QW_{12}	17.7	X	107.23347	63.11633	237.20234	1.64876	0.1953941	0.26718181	2.3874345	21	—	—
379160 2009 QA_{17}	17.5	X	78.70589	152.50644	177.69955	2.34068	0.2149169	0.26584718	2.3954182	21	—	—
379161 2009 QL_{19}	17.8	X	358.13501	59.49442	0.26899	7.20381	0.2278820	0.25983398	2.4322344	21	—	—
379162 2009 QY_{21}	17.8	X	74.34482	208.50065	97.16734	2.49791	0.2918303	0.26282358	2.4137549	21	12 20.6	21.8
379163 2009 QS_{22}	17.5	X	84.05646	324.17821	25.29344	2.69935	0.2181495	0.26984914	2.3716760	21	—	—
379164 2009 QG_{39}	18.5	X	62.85859	165.31910	173.38822	2.23315	0.2182505	0.26261196	2.4150514	21	—	—
379165 2009 QR_{40}	17.5	X	106.91616	186.68172	135.17860	2.74239	0.1580881	0.27033878	2.3688114	21	—	—
379166 2009 QV_{42}	17.3	X	94.32766	271.27620	53.94791	5.26602	0.2011123	0.26905466	2.3763425	21	—	—
379167 2009 QK_{53}	17.9	X	341.70436	159.76336	267.07556	1.46465	0.1777666	0.25976935	2.4326378	21	—	—
379168 2009 QO_{53}	17.0	X	268.82443	172.59802	344.86978	5.45250	0.0512587	0.26608385	2.3939976	21	—	—
379169 2009 QP_{53}	17.1	X	265.52412	158.33155	343.17587	3.87413	0.0922852	0.26047355	2.4282513	21	12 11.3	20.0
379170 2009 QJ_{55}	17.9	X	67.77266	296.74383	32.37334	2.73683	0.1332299	0.26123509	2.4235298	21	12 27.7	21.3
379171 2009 QM_{57}	18.0	X	9.50026	62.85697	354.01724	1.97955	0.2167409	0.26234807	2.4166706	21	—	—
379172 2009 QY_{57}	17.2	X	60.79473	321.60828	353.15138	8.79830	0.2119326	0.25849053	2.4406544	21	12 9.6	20.9
379173 Gamaovalia	16.4	X	272.96644	16.09447	356.96028	13.90780	0.2051801	0.23205612	2.6226522	21	6 5.6	20.4
379174 2009 RY_{2}	17.0	X	324.23729	329.51912	355.68320	12.41802	0.2963118	0.23745228	2.5827666	21	5 29.2	19.8
379175 2009 RT_{3}	17.6	X	70.77287	286.94627	54.57645	7.21524	0.2297605	0.26613264	2.3937050	21	—	—
379176 2009 RD_{6}	17.2	X	86.88230	343.81280	321.22518	4.09256	0.1906149	0.26306947	2.4122506	21	12 22.8	20.9
379177 2009 RC_{8}	18.3	X	112.45762	85.69735	208.23033	2.05779	0.2059278	0.26513431	2.3997100	21	—	—
379178 2009 RF_{11}	17.5	X	26.70348	191.59452	189.10867	1.19372	0.1952847	0.25926214	2.4358095	21	—	—
379179 2009 RK_{13}	17.6	X	306.63279	23.27147	63.34234	1.28603	0.1757695	0.25182378	2.4835423	21	11 23.6	19.5
379180 2009 RV_{18}	18.2	X	96.44898	359.30384	325.26290	2.79311	0.2531559	0.26876584	2.3780446	21	—	—
379181 2009 RL_{19}	17.6	X	13.29184	113.83974	283.09120	1.30367	0.2046959	0.26011167	2.4305030	21	—	—
379182 2009 RQ_{19}	17.8	X	97.04658	91.23782	233.77295	2.44018	0.1685784	0.26785448	2.3834357	21	—	—
379183 2009 RB_{32}	17.0	X	226.08726	298.02044	218.07295	5.42039	0.1213522	0.25210477	2.4816966	21	11 2.1	20.1
379184 2009 RR_{39}	17.3	X	188.59185	16.12614	237.59543	6.67262	0.0850581	0.27005470	2.3704723	21	—	—
379185 2009 RP_{52}	16.5	X	324.82701	144.53946	190.06671	14.38024	0.0040085	0.23219663	2.6215941	21	7 24.3	20.3
379186 2009 RH_{59}	17.7	X	70.44103	197.92724	167.67168	3.96845	0.1574666	0.26726473	2.3869406	21	—	—
379187 2009 RV_{63}	13.3	X	249.60753	117.17698	13.20071	22.23954	0.0691812	0.08428760	5.1518151	21	10 12.5	20.3
379188 2009 RF_{69}	17.0	X	62.02682	60.89557	299.37101	7.86789	0.1387417	0.26675268	2.3899943	21	—	—
379189 2009 RO_{69}	17.3	X	28.54378	193.15931	220.23164	7.10474	0.1991919	0.26749245	2.3855858	21	—	—
379190 2009 SE_{14}	17.8	X	13.72973	177.05692	264.44550	2.42065	0.1443807	0.26938229	2.3744153	21	—	—
379191 2009 SG_{15}	17.5	X	39.54632	303.30485	42.32004	4.37556	0.2242093	0.26046699	2.4282921	21	12 28.4	20.7
379192 2009 SG_{16}	17.5	X	31.48986	260.43284	123.86363	3.39887	0.2339483	0.26078558	2.4263140	21	—	—
379193 2009 SH_{17}	17.2	X	45.70145	77.18021	316.36175	5.14452	0.0484295	0.27132223	2.3630838	21	—	—
379194 2009 SD_{26}	17.1	X	282.35858	160.21946	188.50185	14.82882	0.1485882	0.22971046	2.6404759	21	5 28.1	20.9
379195 2009 SO_{29}	17.2	X	11.12686	44.26169	15.94421	6.42769	0.1413505	0.26209932	2.4181995	21	—	—
379196 2009 SD_{38}	17.0	X	197.62952	218.61602	9.46996	6.66011	0.0750964	0.26302857	2.4125006	21	—	—
379197 2009 SR_{45}	16.9	X	251.89813	203.34231	344.44944	6.18446	0.0858268	0.26409922	2.4059761	21	—	—
379198 2009 SD_{52}	16.5	X	356.17250	12.00719	267.31998	12.73514	0.1390406	0.23757822	2.5818537	21	6 21.2	19.0
379199 2009 SF_{53}	16.8	X	151.60187	8.18661	273.65983	4.06558	0.1972670	0.27212809	2.3584163	21	—	—
379200 2009 SP_{58}	17.9	X	59.72900	99.56498	227.58393	7.04304	0.1953686	0.25687800	2.4508578	21	12 22.6	21.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379201 2009 SO_{59}	16.8	X	334.97862	250.18198	220.87730	9.01663	0.0625689	0.26574023	2.3960608	21	—	—
379202 2009 SG_{63}	17.5	X	314.26392	240.54105	187.84056	1.36574	0.1495002	0.25403877	2.4690850	21	11 14.7	19.6
379203 2009 SF_{66}	17.1	X	43.00795	352.95918	73.99862	3.33521	0.1832838	0.26915288	2.3757644	21	—	—
379204 2009 SO_{70}	16.7	X	186.90109	100.25808	53.53428	7.84531	0.0849998	0.23880758	2.5729853	21	9 21.9	20.6
379205 2009 ST_{87}	17.7	X	27.06743	305.58385	74.26777	2.57446	0.1924715	0.25783714	2.4447759	21	—	—
379206 2009 SK_{96}	17.2	X	331.88234	10.15315	41.58072	9.70459	0.2019057	0.24586328	2.5235211	21	11 23.3	19.1
379207 2009 ST_{101}	17.4	X	82.71805	221.93255	118.49251	3.61229	0.2286695	0.26861475	2.3789363	21	—	—
379208 2009 SL_{122}	17.9	X	53.88306	124.26383	209.83919	4.07517	0.0923276	0.25641633	2.4537987	21	12 11.6	21.2
379209 2009 SD_{124}	16.5	X	9.14342	308.97147	358.98048	14.00555	0.1341368	0.24073815	2.5592111	21	9 4.3	19.1
379210 2009 SO_{125}	17.0	X	124.61203	313.71302	309.64776	3.84561	0.1023260	0.25643272	2.4536941	21	12 1.1	20.7
379211 2009 SR_{130}	17.6	X	21.32695	343.25279	40.57242	4.89325	0.0700001	0.25743716	2.4473076	21	12 30.8	20.7
379212 2009 SZ_{130}	17.6	X	124.31543	140.14618	168.26811	3.85067	0.0945830	0.26610332	2.3938808	21	—	—
379213 2009 SG_{134}	16.9	X	222.76594	119.01976	53.99746	7.01154	0.0994389	0.25333558	2.4736519	21	11 22.8	20.0
379214 2009 SY_{134}	17.4	X	3.85383	337.66974	3.73650	5.46452	0.1329088	0.24512230	2.5286041	21	10 10.1	20.0
379215 2009 SC_{141}	17.8	X	21.02255	135.98905	247.21648	1.98583	0.1865073	0.25772980	2.4454547	21	—	—
379216 2009 SW_{153}	18.0	X	106.03167	99.50041	188.08503	4.17952	0.2279808	0.26239555	2.4163791	21	12 20.1	22.1
379217 2009 SY_{156}	17.9	X	1.70231	238.35493	147.25621	1.97264	0.1953520	0.25362485	2.4717707	21	12 20.8	20.4
379218 2009 SB_{182}	18.0	X	260.99899	183.53684	7.93995	1.21499	0.1303876	0.27249166	2.3563180	21	—	—
379219 2009 SG_{184}	16.4	X	349.18320	259.03082	1.68927	12.07833	0.1521730	0.22385375	2.6863327	21	5 4.7	19.5
379220 2009 SP_{184}	17.1	X	110.30244	305.42072	335.57427	5.89781	0.1313768	0.25812686	2.4429463	21	12 10.2	20.9
379221 2009 SY_{192}	17.8	X	344.94697	237.20233	227.91321	4.34089	0.2034023	0.26398802	2.4066517	21	—	—
379222 2009 SJ_{193}	17.5	X	272.51065	42.07941	358.24848	6.47698	0.1632544	0.23529258	2.5985469	21	7 22.5	21.0
379223 2009 SM_{201}	17.4	X	333.07428	147.17204	186.48965	11.50639	0.2073052	0.23846557	2.5754449	21	7 18.7	20.0
379224 2009 SQ_{213}	17.9	X	358.14626	22.26951	48.93260	1.25812	0.2158258	0.25946102	2.4345646	21	—	—
379225 2009 SZ_{214}	17.7	X	290.81176	244.56887	168.43145	4.14838	0.1644182	0.24002436	2.5642823	21	9 3.6	20.4
379226 2009 SV_{217}	17.9	X	6.02141	159.57107	252.49944	3.00474	0.1985715	0.26193014	2.4192406	21	—	—
379227 2009 SJ_{230}	16.8	X	41.22658	253.95363	128.62937	7.64100	0.1040685	0.26317557	2.4116022	21	—	—
379228 2009 SN_{233}	17.1	X	18.55315	168.49608	198.86104	14.26178	0.1310615	0.25397713	2.4694845	21	12 13.0	20.3
379229 2009 SV_{240}	16.2	X	202.65890	198.35931	232.59370	15.54986	0.1960165	0.22403015	2.6849224	21	6 13.9	20.8
379230 2009 SG_{253}	16.7	X	223.86012	47.74684	52.75959	8.34246	0.2138564	0.22608691	2.6686140	21	8 11.9	21.1
379231 2009 SO_{264}	17.5	X	9.17707	312.53889	112.74324	3.95989	0.1762313	0.26233147	2.4167726	21	—	—
379232 2009 SJ_{269}	18.1	X	5.73380	41.05276	15.80526	1.33296	0.1803929	0.26007979	2.4307016	21	—	—
379233 2009 ST_{273}	17.8	X	108.60737	261.15846	45.18066	1.94949	0.1801724	0.26589822	2.3951116	21	—	—
379234 2009 SP_{274}	17.7	X	342.51489	230.60680	181.67842	7.60515	0.0673700	0.25562582	2.4588549	21	12 11.5	20.7
379235 2009 SU_{275}	18.5	X	18.90987	233.82194	132.58142	2.17575	0.1923371	0.25485039	2.4638401	21	12 22.1	21.1
379236 2009 SN_{276}	17.9	X	95.68308	267.03945	34.80986	4.38275	0.1816359	0.26218454	2.4176754	21	12 26.1	21.7
379237 2009 SP_{278}	17.6	X	341.43548	295.34983	132.70409	2.79407	0.1968818	0.25606891	2.4560177	21	—	—
379238 2009 SC_{280}	17.4	X	13.72884	359.03551	39.76250	7.25908	0.1507229	0.25861634	2.4398628	21	—	—
379239 2009 SE_{300}	17.4	X	334.95611	262.84620	148.03368	2.47286	0.1481125	0.24549239	2.5260621	21	11 28.5	19.8
379240 2009 SE_{320}	17.3	X	247.86381	195.41425	237.33184	4.21920	0.1955631	0.22828109	2.6514865	21	7 28.4	21.3
379241 2009 SA_{338}	16.7	X	302.03703	2.57650	7.18169	12.59800	0.2807995	0.23622190	2.5917272	21	7 2.4	20.0
379242 2009 SW_{341}	18.7	X	15.48233	179.27969	170.24225	1.22327	0.2157975	0.25177420	2.4838683	21	11 26.7	21.2
379243 2009 SJ_{349}	16.0	X	175.93534	61.87608	41.73098	22.45588	0.0588229	0.22627104	2.6671661	21	6 29.9	20.3
379244 2009 SW_{349}	16.3	X	270.55885	287.64615	56.96671	9.76473	0.1701558	0.21963142	2.7206525	21	5 5.4	20.4
379245 2009 SZ_{354}	17.5	X	11.01696	282.27598	49.46618	6.99185	0.2948497	0.24475823	2.5311109	21	11 4.9	19.5
379246 2009 SJ_{355}	16.7	X	242.04324	8.22953	44.04048	9.49724	0.0233575	0.22445791	2.6815101	21	7 19.4	20.5
379247 2009 TY_{8}	17.7	X	305.93839	133.48118	206.67517	5.61268	0.2995232	0.23340906	2.6125077	21	5 23.3	20.9
379248 2009 TK_{15}	17.1	X	180.41107	204.15368	74.50045	5.36372	0.1247643	0.27380501	2.3487770	21	—	—
379249 2009 TZ_{17}	16.5	X	305.38020	286.86346	141.28181	13.74222	0.1613288	0.24360528	2.5390909	21	10 29.7	19.3
379250 2009 TR_{18}	17.7	X	63.15744	95.64523	211.01815	6.44070	0.2121947	0.25520791	2.4615385	21	12 3.1	21.2
379251 2009 TW_{19}	17.6	X	61.27898	227.13232	62.91965	1.58429	0.0599223	0.24399104	2.5364139	21	10 17.6	20.8
379252 2009 TA_{38}	17.7	X	7.09031	133.31208	243.36642	6.54419	0.2810432	0.25230702	2.4803701	21	12 31.0	20.3
379253 2009 TG_{38}	16.2	X	281.96875	315.94259	62.27598	18.84397	0.2036118	0.22973846	2.6402613	21	6 24.9	20.0
379254 2009 TT_{39}	16.4	X	320.92995	101.88379	222.15210	12.85526	0.0974739	0.22985186	2.6393929	21	6 25.3	19.7
379255 2009 TH_{43}	16.9	X	231.48283	44.58082	79.61821	4.93299	0.0380636	0.24443258	2.5333585	21	10 10.7	20.3
379256 2009 TZ_{47}	17.9	X	61.59886	141.86262	209.15290	5.82879	0.1413525	0.25987918	2.4319523	21	—	—
379257 2009 UR_{2}	16.7	X	336.23847	4.93362	80.86421	7.16786	0.0892540	0.25800865	2.4436924	21	—	—
379258 2009 UT_{16}	18.6	X	4.02528	195.51637	177.32452	0.61222	0.2840055	0.25214756	2.4814158	21	12 21.3	20.9
379259 2009 UP_{19}	15.9	X	56.58240	293.83549	17.60782	13.94122	0.1138110	0.24654072	2.5188962	21	11 12.6	19.3
379260 2009 UJ_{23}	17.3	X	343.28855	286.97365	168.06774	3.36969	0.1335934	0.26545012	2.3978063	21	—	—
379261 2009 UU_{30}	17.5	X	232.83863	244.94625	213.67772	2.77150	0.2304212	0.23065400	2.6332700	21	8 12.2	21.8
379262 2009 UJ_{44}	16.4	X	90.13811	197.71383	39.19643	8.15327	0.1504937	0.23846624	2.5754401	21	9 27.9	20.1
379263 2009 UZ_{44}	17.0	X	91.28697	174.56623	73.48517	1.76505	0.1403436	0.24153671	2.5535672	21	10 10.3	20.7
379264 2009 UW_{47}	16.4	X	201.41489	240.44226	229.22335	13.58682	0.2619415	0.22479741	2.6788096	21	7 25.1	21.3
379265 2009 UO_{48}	17.8	X	49.71896	121.59392	215.22133	2.21856	0.1893129	0.25570766	2.4583302	21	12 23.1	21.0
379266 2009 UF_{51}	16.6	X	270.48969	118.94847	260.69569	2.65047	0.1097422	0.22760018	2.6567722	21	6 27.7	20.1
379267 2009 UF_{61}	17.9	X	348.85971	320.27788	90.63116	3.33735	0.2016610	0.25452169	2.4659609	21	—	—
379268 2009 UE_{81}	17.8	X	278.10842	52.15598	15.61257	4.56470	0.3067068	0.23693827	2.5865006	21	8 14.2	21.1
379269 2009 UA_{88}	16.6	X	357.68727	69.16728	233.52636	13.95940	0.1034306	0.23244514	2.6197252	21	7 24.9	19.9
379270 2009 UW_{88}	17.2	X	356.79152	1.55956	345.56653	3.42661	0.2730747	0.24466545	2.5317508	21	10 20.0	18.9
379271 2009 UG_{98}	17.3	X	253.17951	261.35649	202.73168	4.57819	0.0773081	0.24029096	2.5623853	21	10 2.9	20.8
379272 2009 UJ_{98}	17.3	X	340.80434	260.52902	103.03888	1.69192	0.0559828	0.23991229	2.5650808	21	9 29.2	20.3
379273 2009 UN_{98}	17.4	X	350.64344	29.62402	54.44695	6.91148	0.0953231	0.25886674	2.4382892	21	—	—
379274 2009 UN_{100}	17.5	X	339.23717	135.61584	190.46944	4.66818	0.3047426	0.23748128	2.5825563	21	7 10.9	19.1
379275 2009 UT_{111}	17.1	X	290.41927	181.68136	241.63434	5.55469	0.1829501	0.23830974	2.5765674	21	9 11.7	20.2
379276 2009 UL_{114}	17.8	X	13.86518	43.93241	28.21286	1.83081	0.1639327	0.26444987	2.4038488	21	—	—
379277 2009 UD_{127}	15.9	X	193.09831	269.36503	238.37027	15.85313	0.1396309	0.23337946	2.6127286	21	9 6.2	20.3
379278 2009 UP_{131}	16.5	X	321.01520	125.53552	284.77405	9.01448	0.0751282	0.24377590	2.5379060	21	10 28.5	19.6
379279 2009 UQ_{138}	17.5	X	275.18553	195.98549	206.08908	3.60114	0.1975383	0.23357395	2.6112781	21	7 20.3	21.0
379280 2009 UP_{146}	16.6	X	17.95640	58.69076	235.00726	8.24584	0.0978309	0.22909506	2.6452023	21	8 17.6	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379281 2009 UU_{146}	16.9	X	343.59232	80.53825	236.07558	11.20209	0.1865839	0.23327181	2.6135323	21	7 16.9	19.5
379282 2009 UX_{146}	16.8	X	36.69388	266.20107	63.73544	5.59808	0.0587468	0.24189023	2.5510785	21	11 6.3	19.9
379283 2009 VF_{1}	16.1	X	210.11954	117.18190	38.27345	13.02026	0.2201558	0.23765012	2.5813329	21	10 7.6	20.3
379284 2009 VZ_{1}	17.0	X	357.93341	21.01117	333.35003	13.47457	0.1834422	0.24475685	2.5311204	21	10 16.2	19.6
379285 2009 VB_{10}	17.2	X	290.90122	20.43156	9.23261	3.22583	0.2906395	0.23446823	2.6046340	21	7 11.2	20.5
379286 2009 VD_{10}	17.6	X	285.92837	49.10117	35.89500	6.58993	0.2282272	0.24048492	2.5610073	21	10 3.0	20.3
379287 2009 VU_{16}	16.7	X	308.65475	254.93051	52.51838	8.02776	0.0381124	0.21444035	2.7643841	21	5 24.1	20.4
379288 2009 VO_{27}	16.8	X	1.13949	266.69264	56.91942	15.28369	0.1291458	0.23669473	2.5882745	21	9 18.2	19.9
379289 2009 VU_{30}	16.6	X	212.24116	232.50655	256.15335	10.46749	0.1374899	0.23286452	2.6165789	21	9 2.9	20.9
379290 2009 VH_{37}	16.9	X	285.94790	346.29044	62.59451	10.08457	0.1206945	0.23495503	2.6010351	21	9 2.8	20.3
379291 2009 VM_{38}	16.8	X	343.75827	89.97922	237.37113	10.21342	0.1516715	0.23414742	2.6070126	21	8 4.1	19.6
379292 2009 VB_{43}	17.6	X	280.72583	183.59180	194.58494	6.59470	0.1989728	0.23010251	2.6374758	21	6 25.2	21.2
379293 2009 VK_{44}	17.6	X	335.93640	223.38986	135.26661	7.04388	0.2691374	0.24233719	2.5479408	21	9 7.4	19.0
379294 2009 VO_{44}	16.0	X	326.25617	307.80595	59.47997	12.51724	0.2093074	0.23350126	2.6118199	21	9 6.1	18.6
379295 2009 VR_{61}	17.1	X	14.52313	82.03875	237.04655	10.50027	0.1846168	0.23945879	2.5683184	21	9 29.5	19.9
379296 2009 VJ_{64}	16.7	X	294.67222	296.66014	89.48306	6.19533	0.2212066	0.23160036	2.6260918	21	7 23.9	19.9
379297 2009 VJ_{68}	15.9	X	349.75767	34.06523	251.42518	14.00196	0.1488563	0.22167673	2.7038918	21	6 17.1	18.6
379298 2009 VO_{70}	17.4	X	207.56644	66.05695	1.16214	2.42867	0.0553444	0.21883584	2.7272424	21	6 20.6	21.3
379299 2009 VF_{71}	16.5	X	22.47813	47.41189	262.22258	7.85519	0.1006452	0.23286322	2.6165886	21	9 17.1	19.7
379300 2009 VL_{71}	16.9	X	242.27957	230.32629	228.42355	6.64844	0.1548166	0.23274405	2.6174817	21	8 28.7	20.8
379301 2009 VH_{72}	17.1	X	333.94758	318.80201	95.59301	8.25323	0.1692156	0.24767418	2.5112053	21	12 3.8	19.3
379302 2009 VB_{76}	17.3	X	322.88753	229.64293	138.76758	2.13545	0.2206545	0.23711373	2.5852244	21	8 21.3	19.5
379303 2009 VQ_{78}	16.1	X	4.01166	252.85904	105.92764	15.88894	0.1558777	0.24382745	2.5375483	21	11 14.7	19.1
379304 2009 VN_{81}	17.1	X	307.07882	125.92177	287.54626	1.88764	0.0664634	0.23902632	2.5714154	21	10 13.2	20.0
379305 2009 VH_{83}	17.3	X	249.19832	134.74236	353.71721	4.36850	0.1331849	0.24293338	2.5437705	21	10 21.1	20.8
379306 2009 VR_{84}	16.8	X	269.51425	28.90173	62.97477	16.65974	0.2542671	0.23587687	2.5942539	21	9 21.4	20.6
379307 2009 VB_{88}	17.6	X	308.75378	65.99673	322.77305	2.53212	0.2423893	0.23671706	2.5881117	21	8 18.1	20.0
379308 2009 VQ_{90}	16.9	X	265.43949	338.88746	18.48092	6.55251	0.0764373	0.21858721	2.7293101	21	5 25.9	20.9
379309 2009 VA_{91}	17.6	X	224.24844	133.14850	5.72755	4.14027	0.0289196	0.23946898	2.5682455	21	10 18.1	21.0
379310 2009 VH_{91}	16.1	X	358.20655	262.25674	66.07038	14.45513	0.2013951	0.23745102	2.5827757	21	9 24.9	18.8
379311 2009 VN_{103}	16.4	X	285.40378	303.92802	75.64982	6.82903	0.0483332	0.21868433	2.7285020	21	7 29.3	20.0
379312 2009 WY_{4}	16.6	X	343.63160	270.77380	36.79119	7.43824	0.1878815	0.22992908	2.6388019	21	7 6.7	19.1
379313 2009 WF_{10}	16.7	X	332.75567	233.61454	162.38790	5.73583	0.2013040	0.24270592	2.5453595	21	11 3.4	18.7
379314 2009 WN_{14}	17.6	X	317.02890	259.44950	128.80240	2.33962	0.1417701	0.23694069	2.5864829	21	9 18.8	20.2
379315 2009 WA_{19}	17.2	X	49.87872	176.41006	109.99897	3.04930	0.1161120	0.23839189	2.5759755	21	10 6.3	20.3
379316 2009 WL_{19}	15.7	X	346.39353	323.68329	255.89457	12.93339	0.1338639	0.20062685	2.8898592	21	3 6.3	19.6
379317 2009 WM_{25}	16.6	X	169.56714	285.14375	90.25933	23.67256	0.3014097	0.28804542	2.2707121	21	3 22.9	21.1
379318 2009 WZ_{27}	17.5	X	325.52819	301.62899	79.09462	0.84709	0.1310790	0.23884339	2.5727282	21	9 24.7	19.9
379319 2009 WA_{28}	16.8	X	246.98720	7.28904	66.55228	5.10221	0.0362319	0.23020057	2.6367267	21	8 23.2	20.4
379320 2009 WS_{32}	17.2	X	157.89949	229.99557	245.36179	1.99935	0.1081143	0.21568925	2.7537027	21	6 27.8	21.3
379321 2009 WT_{34}	17.0	X	249.82419	23.06646	71.39603	5.49577	0.1596626	0.23054135	2.6341277	21	9 6.2	20.7
379322 2009 WC_{36}	16.8	X	29.66617	327.85448	4.15000	4.37661	0.1314740	0.24440952	2.5335179	21	11 8.1	19.8
379323 2009 WW_{39}	16.4	X	32.46532	54.05169	271.25993	4.87254	0.2499986	0.24395487	2.5366646	21	11 22.8	19.4
379324 2009 WZ_{41}	16.8	X	300.22578	344.57763	69.37148	14.83647	0.1559958	0.23688377	2.5868973	21	10 2.2	19.9
379325 2009 WM_{42}	16.4	X	269.40472	324.27558	57.58269	6.74480	0.0412804	0.22135652	2.7064988	21	7 10.6	20.1
379326 2009 WF_{52}	16.2	X	270.99885	324.21022	84.70589	19.36495	0.2791622	0.23102856	2.6304231	21	7 13.4	20.2
379327 2009 WJ_{67}	16.6	X	111.00489	313.41968	201.44716	7.39580	0.1637465	0.21356471	2.7719351	21	7 2.9	20.9
379328 2009 WA_{69}	16.6	X	132.62086	144.24572	62.63613	9.77072	0.0764287	0.23004374	2.6379249	21	9 30.6	20.6
379329 2009 WY_{70}	17.7	X	248.08401	317.62917	182.79855	1.32594	0.1319512	0.24357014	2.5393351	21	11 6.4	20.9
379330 2009 WP_{71}	16.5	X	298.34164	126.67469	234.05796	10.19070	0.0995548	0.22757607	2.6569598	21	7 10.6	20.0
379331 2009 WG_{73}	17.0	X	13.57763	260.52140	83.50292	7.13428	0.0338578	0.24017589	2.5632036	21	10 22.4	20.3
379332 2009 WG_{74}	17.1	X	68.46793	297.21617	90.23150	3.63222	0.1735796	0.26421656	2.4052637	21	—	—
379333 2009 WU_{75}	17.3	X	8.20791	2.37342	91.14708	5.49091	0.1350489	0.26186727	2.4196278	21	—	—
379334 2009 WX_{75}	17.1	X	264.18247	249.09304	224.81644	8.87829	0.1319491	0.24104420	2.5570444	21	10 22.4	20.4
379335 2009 WT_{77}	17.2	X	327.27717	48.29010	285.04185	5.12243	0.0621672	0.22617280	2.6679384	21	7 23.8	20.5
379336 2009 WY_{77}	16.9	X	315.24362	48.43555	314.43337	3.85350	0.0649557	0.22988561	2.6391345	21	8 15.9	19.9
379337 2009 WK_{83}	16.8	X	279.73042	341.52272	39.20738	12.48278	0.0692595	0.22744431	2.6579859	21	7 21.5	20.5
379338 2009 WZ_{83}	17.0	X	356.90005	296.15750	45.32332	17.17518	0.2381002	0.24120133	2.5559337	21	10 14.2	19.2
379339 2009 WS_{85}	17.0	X	343.55283	4.18407	331.53613	4.51140	0.0932150	0.23196339	2.6233511	21	8 22.8	20.0
379340 2009 WY_{87}	17.1	X	286.31987	20.28107	24.29248	5.11398	0.1294249	0.23300216	2.6155483	21	8 23.2	20.4
379341 2009 WT_{89}	16.0	X	39.32379	233.02023	232.53874	12.67091	0.0439627	0.18658705	3.0330650	21	1 10.8	20.2
379342 2009 WN_{92}	17.0	X	56.28517	278.30623	311.92439	6.68611	0.1150822	0.22236305	2.6983253	21	7 27.1	20.2
379343 2009 WO_{92}	17.1	X	278.99996	350.56551	87.42699	14.03338	0.1474905	0.23532110	2.5983369	21	10 1.4	20.6
379344 2009 WA_{93}	16.2	X	256.25075	334.69939	92.54175	15.92361	0.1063100	0.22741854	2.6581866	21	8 17.6	20.1
379345 2009 WC_{101}	16.6	X	72.16545	97.00009	196.49644	3.97725	0.1478296	0.24519157	2.5281278	21	11 17.2	20.1
379346 2009 WS_{101}	16.3	X	171.33606	289.80082	225.91065	12.07221	0.1631627	0.22807450	2.6530874	21	8 27.7	20.9
379347 2009 WQ_{105}	16.3	X	278.64508	11.43762	70.72799	7.16870	0.2850832	0.23242780	2.6198555	21	9 9.0	19.7
379348 2009 WF_{116}	16.8	X	138.42340	270.06860	252.84939	5.29754	0.1366951	0.22295195	2.6935717	21	8 7.5	21.0
379349 2009 WL_{125}	17.0	X	298.27529	84.78319	235.21691	4.10934	0.1681076	0.21939480	2.7226083	21	5 6.3	20.4
379350 2009 WG_{132}	16.8	X	290.22715	18.34641	72.52739	19.82558	0.1613350	0.24217143	2.5491034	21	11 4.8	19.8
379351 2009 WN_{132}	16.3	X	348.34640	126.68742	246.15423	1.52761	0.1823162	0.24125769	2.5555356	21	10 30.4	18.6
379352 2009 WT_{136}	17.4	X	274.28355	116.12368	298.11231	1.64224	0.1065079	0.23370748	2.6102832	21	8 19.9	20.7
379353 2009 WP_{150}	17.2	X	230.93348	292.87038	203.83132	8.22709	0.1088874	0.24005591	2.5640576	21	10 13.4	20.5
379354 2009 WB_{159}	16.9	X	276.44737	180.20462	224.08864	6.87831	0.1786553	0.23017696	2.6369070	21	7 26.5	20.5
379355 2009 WJ_{159}	16.8	X	26.91843	131.19496	210.41729	3.18996	0.1432447	0.24504582	2.5291302	21	11 20.8	19.8
379356 2009 WO_{165}	16.9	X	302.44754	141.54826	265.70652	9.96741	0.0755033	0.23518412	2.5993458	21	9 20.9	20.4
379357 2009 WY_{171}	16.3	X	71.06151	340.72727	276.76458	7.18095	0.1337549	0.23501905	2.6005627	21	9 22.3	20.0
379358 2009 WG_{175}	16.8	X	18.65493	311.24246	319.02150	5.96231	0.1740346	0.22605045	2.6689010	21	7 27.5	19.3
379359 2009 WX_{176}	17.2	X	288.53772	187.41885	222.57889	7.74792	0.1092591	0.23735117	2.5835000	21	8 31.9	20.6
379360 2009 WJ_{180}	17.1	X	310.33043	153.43681	191.67740	2.61148	0.1683111	0.22749330	2.6576042	21	6 28.6	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379361 2009 WV_{180}	17.0	X	14.90799	152.36039	126.83903	4.34613	0.0456831	0.22325356	2.6911451	21	7 22.6	20.4
379362 2009 WE_{188}	17.5	X	264.39923	239.05228	247.30407	8.65137	0.1172725	0.24589020	2.5233369	21	11 11.9	20.7
379363 2009 WH_{192}	17.5	X	227.36651	51.53371	43.74023	4.57330	0.1286977	0.22992103	2.6388635	21	8 15.4	21.4
379364 2009 WO_{209}	17.5	X	311.29614	100.76597	263.37921	2.17178	0.2023944	0.23118693	2.6292216	21	7 22.7	20.3
379365 2009 WC_{211}	17.1	X	1.87534	219.37108	148.34901	2.39165	0.0488168	0.24247886	2.5469483	21	11 5.9	20.1
379366 2009 WE_{212}	16.3	X	322.40450	150.68388	227.69721	9.02446	0.0955274	0.23590571	2.5940424	21	9 12.9	19.5
379367 2009 WT_{212}	17.3	X	309.54775	70.48960	292.30030	5.14426	0.0578159	0.22785769	2.6547702	21	8 6.9	20.5
379368 2009 WU_{214}	17.5	X	254.10416	36.06600	8.52659	2.19543	0.1271699	0.22549942	2.6732471	21	7 8.7	21.2
379369 2009 WN_{216}	16.3	X	16.78928	308.33298	7.42342	8.90955	0.1710212	0.23890471	2.5722879	21	10 1.1	18.9
379370 2009 WX_{242}	16.9	X	144.35558	35.93862	165.77731	2.67276	0.1311726	0.23202697	2.6228718	21	10 4.2	20.8
379371 2009 WA_{248}	17.6	X	309.67478	324.68654	102.61459	5.17383	0.2035961	0.24241613	2.5473876	21	10 28.9	19.8
379372 2009 WA_{250}	17.3	X	285.83976	36.92704	70.19491	13.17827	0.1367587	0.24323490	2.5416678	21	11 18.0	20.1
379373 2009 WS_{253}	17.6	X	339.90355	298.34664	30.64885	4.67327	0.3160494	0.23626703	2.5913971	21	7 19.9	19.0
379374 2009 WV_{255}	16.7	X	187.64103	52.39408	80.25919	14.12093	0.2165559	0.22220700	2.6995884	21	8 22.1	21.5
379375 2009 WW_{259}	16.4	X	155.93238	41.82969	77.70170	12.94394	0.1089320	0.21480855	2.7612242	21	7 1.0	20.7
379376 2009 WR_{261}	16.0	X	183.18434	143.24399	290.69467	7.66674	0.0583947	0.21358302	2.7717767	21	5 31.2	20.1
379377 2009 WZ_{261}	16.3	X	289.65095	338.58678	79.38756	15.42005	0.1676577	0.23241292	2.6199673	21	9 17.4	19.7
379378 2009 WT_{262}	16.6	X	351.40110	333.41102	92.96516	15.12143	0.0293106	0.24395423	2.5366691	21	—	—
379379 2009 XT_{3}	17.2	X	262.71809	50.17918	71.52266	13.01997	0.2176078	0.24063671	2.5599302	21	10 23.8	20.6
379380 2009 XF_{4}	16.8	X	179.33523	22.74272	81.48569	12.81532	0.0989012	0.21825446	2.7320834	21	7 5.9	21.0
379381 2009 XN_{10}	16.2	X	3.00584	8.89772	254.30296	6.22872	0.1071881	0.21534013	2.7566782	21	6 11.7	19.3
379382 2009 XP_{12}	17.3	X	266.09493	29.60393	57.65064	4.33431	0.1996215	0.23619372	2.5919332	21	9 11.1	20.8
379383 2009 XX_{13}	17.1	X	117.59628	135.17667	32.47099	5.04578	0.0491690	0.21860114	2.7291941	21	7 15.7	20.9
379384 2009 XC_{15}	17.0	X	297.54587	72.34347	296.22724	5.27506	0.0482950	0.21982359	2.7190666	21	7 29.7	20.5
379385 2009 XB_{17}	16.8	X	189.96706	31.72222	113.75670	5.08456	0.2089307	0.22152967	2.7050883	21	9 5.6	21.3
379386 2009 XV_{19}	17.1	X	125.89261	155.05786	306.51316	1.91701	0.1347838	0.19931469	2.9025286	21	5 9.4	21.4
379387 2009 YM_{5}	16.4	X	87.37889	110.04967	107.39038	4.13838	0.0300206	0.21538691	2.7562790	21	8 8.9	20.1
379388 2009 YR_{5}	17.2	X	208.19573	124.84196	341.85840	1.24336	0.2028400	0.21944727	2.7221743	21	8 3.0	21.8
379389 2009 YD_{6}	16.9	X	193.82919	9.82533	105.04884	4.65842	0.1505056	0.21728538	2.7402008	21	8 2.8	21.3
379390 2009 YE_{6}	17.2	X	282.95448	91.54808	28.07085	5.81000	0.2880239	0.23522949	2.5990115	21	11 2.0	19.7
379391 2009 YR_{9}	16.7	X	175.00882	273.33921	230.43480	4.34857	0.1168426	0.21944664	2.7221795	21	8 19.2	21.0
379392 2009 YB_{10}	16.6	X	14.63938	347.65454	297.30934	3.30219	0.0364682	0.21499161	2.7596566	21	7 29.4	20.1
379393 2009 YR_{10}	17.1	X	218.49221	111.11427	263.82840	6.37758	0.2414770	0.21498574	2.7597068	21	4 16.7	21.9
379394 2009 YV_{12}	16.2	X	224.74057	182.02474	272.60336	6.07391	0.0648672	0.22178475	2.7030138	21	8 13.6	20.2
379395 2009 YZ_{13}	17.3	X	193.01393	50.67645	19.11251	3.62182	0.0792581	0.20920096	2.8103491	21	6 6.2	21.4
379396 2009 YM_{20}	16.4	X	187.64169	45.88864	88.04566	10.36321	0.0339662	0.22171908	2.7035475	21	8 29.4	20.3
379397 2009 YY_{20}	16.6	X	206.54525	1.77347	68.54326	6.06727	0.0298495	0.21154687	2.7895339	21	6 24.9	20.6
379398 2010 AU_{2}	16.2	X	222.04558	154.33005	308.51271	11.00488	0.0745212	0.22120300	2.7077509	21	8 20.1	20.2
379399 2010 AZ_{3}	16.8	X	268.47012	117.45419	314.53772	10.73156	0.1789055	0.22879679	2.6475008	21	8 22.9	20.5
379400 2010 AG_{8}	16.3	X	163.24681	60.13748	73.57639	7.57534	0.0197748	0.21635925	2.7480148	21	7 26.2	20.1
379401 2010 AH_{8}	16.5	X	220.03899	346.27263	67.83768	6.79416	0.1011139	0.21354442	2.7721106	21	6 14.6	20.8
379402 2010 AL_{8}	16.2	X	146.65049	117.77500	311.07780	11.07494	0.0255215	0.19786566	2.9166821	21	4 4.8	20.6
379403 2010 AA_{10}	16.8	X	270.82382	132.38186	308.85089	11.76678	0.2868787	0.23121677	2.6289954	21	8 21.4	20.5
379404 2010 AH_{23}	15.6	X	352.40768	275.02074	289.05817	8.03101	0.0101409	0.18854772	3.0120016	21	3 11.4	19.9
379405 2010 AU_{32}	16.0	X	44.85603	41.86998	106.34145	10.45286	0.0738646	0.18778245	3.0201793	21	3 21.9	20.0
379406 2010 AY_{40}	16.6	X	182.03298	359.46183	122.62532	10.84036	0.1534940	0.21279888	2.7785816	21	7 31.2	21.1
379407 2010 AX_{41}	16.0	X	109.29952	234.67827	267.20725	7.86154	0.2395907	0.20118076	2.8845523	21	6 23.9	20.6
379408 2010 AA_{42}	17.1	X	286.38440	310.67439	125.10992	7.19286	0.3196373	0.23461705	2.6035325	21	9 3.8	20.1
379409 2010 AD_{43}	16.5	X	244.24275	317.61811	81.96919	8.34697	0.1848435	0.21763021	2.7373054	21	6 14.3	20.8
379410 2010 AP_{50}	16.0	X	69.29931	295.15648	254.70205	4.83643	0.1465046	0.19920500	2.9035940	21	6 25.1	19.6
379411 2010 AW_{56}	16.8	X	276.65368	354.47235	65.86838	7.09238	0.2089743	0.23019064	2.6368026	21	8 18.6	20.3
379412 2010 AO_{59}	16.2	X	198.03657	3.19051	99.27451	12.48824	0.2163189	0.21555166	2.7548744	21	7 19.6	20.9
379413 2010 AA_{61}	16.4	X	161.82151	307.68366	159.08585	8.08593	0.1853562	0.20966171	2.8062303	21	6 24.0	21.2
379414 2010 AU_{67}	16.5	X	226.85069	305.64660	97.06572	5.82303	0.0821871	0.21506607	2.7590196	21	6 9.5	20.5
379415 2010 AB_{71}	17.3	X	250.55414	254.62134	217.86219	3.19631	0.2142666	0.23075311	2.6325159	21	9 19.1	21.1
379416 2010 AV_{73}	16.3	X	150.53715	12.73247	103.56176	11.38688	0.0555955	0.21213226	2.7843997	21	6 18.3	20.3
379417 2010 AY_{73}	15.6	X	22.08761	168.06029	313.22447	14.76679	0.0701060	0.17713615	3.1400115	21	1 13.3	19.7
379418 2010 AE_{74}	15.6	X	25.88193	222.23263	321.70971	12.02448	0.0550544	0.18927790	3.0042503	21	3 28.1	19.7
379419 2010 AD_{75}	16.4	X	240.47792	318.40004	93.59235	10.29313	0.1749372	0.21996539	2.7178979	21	6 27.3	20.5
379420 2010 AP_{75}	16.2	X	223.97860	206.79319	248.90811	10.66276	0.1500677	0.22163375	2.7042414	21	8 3.7	20.6
379421 2010 AF_{77}	16.1	X	196.04627	174.42735	281.71365	16.67691	0.0968712	0.21421744	2.7663014	21	7 12.4	20.4
379422 2010 AW_{77}	16.5	X	215.80166	32.20851	62.00389	9.43383	0.1723683	0.21995695	2.7179675	21	7 29.3	20.9
379423 2010 AB_{122}	15.3	X	49.93186	69.70376	79.16233	14.13063	0.1356263	0.17806314	3.1291042	21	4 9.5	19.4
379424 2010 BW	16.9	X	279.37887	259.40870	104.51913	5.40455	0.0836724	0.21328537	2.7743548	21	6 22.6	20.7
379425 2010 BK_{6}	14.7	X	355.11276	287.04607	282.75706	24.68955	0.1790613	0.17812457	3.1283847	21	2 27.4	18.9
379426 2010 BF_{10}	15.1	X	107.76306	265.82333	73.35993	10.38477	0.0713136	0.14632267	3.5666594	21	—	—
379427 2010 BV_{93}	15.4	X	76.59788	353.56575	115.96425	30.14278	0.1916400	0.17491690	3.1665149	21	4 14.1	20.2
379428 2010 CL_{5}	16.5	X	218.63823	356.35154	92.22894	4.88228	0.0641958	0.21327134	2.7744765	21	8 1.1	20.5
379429 2010 CK_{11}	15.9	X	99.41336	60.93136	64.49919	20.98519	0.1969931	0.18229711	3.0804644	21	5 20.4	20.4
379430 2010 CF_{18}	16.6	X	85.93281	36.99811	96.57726	9.90366	0.0605552	0.19014039	2.9951584	21	4 26.9	20.8
379431 2010 CU_{25}	16.4	X	359.78638	233.78569	321.36376	2.99132	0.1045861	0.18453577	3.0555004	21	3 7.9	20.0
379432 2010 CB_{26}	16.9	X	157.79421	313.95030	154.29388	2.49671	0.0502659	0.20488241	2.8497030	21	6 15.8	20.9
379433 2010 CS_{34}	15.7	X	33.27249	36.78963	122.25055	8.16611	0.1045110	0.18105939	3.0944871	21	3 19.4	19.5
379434 2010 CH_{35}	15.9	X	34.98992	7.56721	126.80274	11.64804	0.0245108	0.17497503	3.1658135	21	2 15.2	20.2
379435 2010 CX_{41}	15.2	X	279.19850	282.80637	319.61425	15.59140	0.0906793	0.17476924	3.1682982	21	1 25.8	20.0
379436 2010 CK_{43}	15.8	X	97.93286	6.36385	73.39984	13.68450	0.1217625	0.18799033	3.0179523	21	3 18.1	20.2
379437 2010 CD_{53}	16.1	X	314.98058	254.10833	107.34830	14.35806	0.0488774	0.23042982	2.6349776	21	8 18.5	19.5
379438 2010 CE_{57}	15.7	X	320.04597	19.31056	199.03636	0.30093	0.1240999	0.17609582	3.1523663	21	2 7.5	19.8
379439 2010 CH_{61}	16.8	X	202.87673	144.84364	340.31489	15.44630	0.2798421	0.21983651	2.7189601	21	8 19.9	21.6
379440 2010 CW_{67}	16.6	X	162.91696	124.03590	314.28591	7.45868	0.1500555	0.19895433	2.9060324	21	5 17.6	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379441 2010 CV_{70}	15.7	X	261.28556	282.41686	308.74009	9.05170	0.0762028	0.17190597	3.2033820	21	—	—
379442 2010 CD_{80}	16.8	X	129.48505	65.74422	38.25962	1.09708	0.1014729	0.19266443	2.9689418	21	5 13.7	21.2
379443 2010 CV_{80}	15.5	X	233.07319	256.51105	341.60483	11.54765	0.0414124	0.15921585	3.3714122	21	—	—
379444 2010 CE_{81}	15.9	X	145.63779	164.26003	227.75564	1.42329	0.0302453	0.17789597	3.1310643	21	2 25.7	20.3
379445 2010 CX_{81}	16.5	X	81.06131	335.97420	140.46035	0.67955	0.1365851	0.18244698	3.0787772	21	4 6.3	20.4
379446 2010 CK_{85}	16.5	X	65.13486	342.81489	153.96673	11.52163	0.1825787	0.18574540	3.0422204	21	4 19.3	20.4
379447 2010 CZ_{92}	16.5	X	28.50202	124.93320	53.79945	2.17708	0.1205314	0.18274561	3.0754222	21	4 4.2	20.2
379448 2010 CM_{95}	16.6	X	33.68660	307.93859	205.40559	0.52812	0.0848038	0.18268234	3.0761323	21	3 8.1	20.3
379449 2010 CN_{98}	16.7	X	73.09541	180.18703	323.73286	6.34725	0.0994162	0.19064676	2.9898525	21	4 20.9	20.7
379450 2010 CY_{98}	16.7	X	24.13658	158.34968	18.33197	3.30912	0.0382385	0.18107943	3.0942589	21	3 23.7	20.8
379451 2010 CV_{100}	17.2	X	229.28573	304.43355	109.44393	2.84277	0.2216745	0.21262020	2.7801381	21	6 15.4	21.6
379452 2010 CD_{114}	16.6	X	349.64459	120.20113	83.53217	2.65138	0.1165403	0.18125042	3.0923125	21	3 4.8	20.5
379453 2010 CH_{117}	16.3	X	108.55724	124.52084	332.35542	8.78391	0.1263195	0.18578524	3.0417855	21	4 10.6	20.8
379454 2010 CG_{118}	16.6	X	194.13789	95.88195	348.56047	3.82022	0.0350998	0.21012850	2.8020728	21	6 28.3	20.6
379455 2010 CP_{141}	16.7	X	118.00032	17.90357	123.41214	2.43349	0.1680749	0.19712844	2.9239494	21	6 24.5	21.3
379456 2010 CW_{144}	15.4	X	8.15750	222.42543	286.69488	12.89415	0.0854482	0.17328581	3.1863542	21	1 24.2	19.6
379457 2010 CD_{155}	16.3	X	154.58436	16.00055	27.06557	3.07227	0.0503003	0.18381464	3.0634866	21	3 23.8	20.8
379458 2010 CG_{156}	15.5	X	71.64590	136.11751	347.92793	16.29153	0.0416063	0.18231401	3.0802741	21	3 18.6	19.7
379459 2010 CH_{157}	16.5	X	105.45967	99.49758	2.90161	9.30748	0.0765914	0.18534185	3.0466347	21	4 9.1	20.8
379460 2010 CS_{159}	16.9	X	73.94924	331.06736	188.92434	4.33432	0.1951273	0.18910063	3.0061276	21	5 31.7	20.9
379461 2010 CP_{161}	17.0	X	164.00170	320.31174	147.64968	1.50624	0.1362966	0.20558079	2.8432455	21	6 25.8	21.4
379462 2010 CG_{165}	16.3	X	19.24999	343.06056	158.91708	10.99325	0.0671418	0.17516102	3.1635721	21	2 1.1	20.5
379463 2010 CK_{172}	16.5	X	81.53753	128.17274	344.30930	8.98455	0.1645783	0.18173529	3.0868099	21	4 3.0	20.7
379464 2010 CA_{177}	16.7	X	48.87545	292.48181	215.48667	1.50776	0.0913818	0.18378292	3.0638391	21	3 24.1	20.6
379465 2010 CE_{177}	15.7	X	219.14899	150.60133	159.58882	8.61935	0.0354469	0.17624626	3.1505722	21	2 11.2	20.4
379466 2010 CJ_{183}	16.1	X	34.04143	148.93630	5.61017	9.42024	0.0553435	0.17707094	3.1407825	21	3 11.7	20.2
379467 2010 CV_{183}	15.6	X	131.12689	58.81585	28.78978	15.56068	0.0403809	0.18590066	3.0405262	21	4 18.5	19.8
379468 2010 CC_{185}	16.2	X	87.83551	253.06900	162.79652	9.82809	0.0901647	0.17401222	3.1774805	21	1 23.9	20.6
379469 2010 CM_{185}	16.2	X	247.70049	185.86804	124.85779	5.22635	0.0414837	0.18423373	3.0588390	21	3 17.1	20.6
379470 2010 DQ_{4}	16.7	X	202.04351	95.97729	323.46687	8.14633	0.1463842	0.20674031	2.8326045	21	5 31.1	21.4
379471 2010 DG_{34}	15.9	X	51.78800	108.16176	57.22640	26.84833	0.2275546	0.17772265	3.1330996	21	5 11.8	19.5
379472 2010 DT_{40}	16.3	X	175.93844	223.02438	168.64908	9.93245	0.1078689	0.18885248	3.0087603	21	4 5.9	21.1
379473 2010 DC_{42}	16.6	X	73.35936	15.14066	135.25794	5.79246	0.0823813	0.19307847	2.9646959	21	5 2.5	20.6
379474 2010 DA_{47}	16.1	X	293.91278	72.38586	177.02762	11.68949	0.0532095	0.17471338	3.1689735	21	2 21.2	20.7
379475 2010 DB_{47}	15.9	X	138.57411	68.41423	338.95860	8.53325	0.1009638	0.17915634	3.1163622	21	3 14.9	20.6
379476 2010 DU_{76}	16.1	X	227.07952	332.74551	106.36266	9.44279	0.1621914	0.21421920	2.7662863	21	7 19.8	20.4
379477 2010 DE_{79}	16.1	X	12.90326	335.66215	176.76039	4.99455	0.1680925	0.17382830	3.1797214	21	1 31.8	19.7
379478 2010 DE_{86}	16.5	X	22.11251	146.49365	146.74534	5.96387	0.0476365	0.22758234	2.6569110	21	8 22.9	19.9
379479 2010 EH_{10}	16.9	X	273.39223	157.15019	269.24156	7.85786	0.1356326	0.23254950	2.6189413	21	8 26.9	20.4
379480 2010 EQ_{35}	16.3	X	78.12939	296.33522	172.39277	9.13693	0.0466672	0.17966212	3.1105107	21	3 11.3	20.5
379481 2010 ET_{45}	15.9	X	48.77051	130.18178	15.05406	11.39851	0.0939739	0.17994949	3.1071983	21	3 23.5	19.8
379482 2010 EZ_{77}	16.3	X	192.31037	319.85137	65.40017	3.94218	0.0534083	0.18543719	3.0455904	21	4 13.7	20.8
379483 2010 EP_{91}	16.1	X	100.93244	262.80740	162.17605	10.11609	0.1015639	0.17804593	3.1293059	21	2 22.1	20.5
379484 2010 EB_{98}	15.8	X	287.81007	228.55203	21.99145	9.27653	0.0470435	0.17402933	3.1772721	21	2 21.8	20.4
379485 2010 EL_{98}	16.4	X	30.63081	47.79051	139.15221	5.85341	0.0848384	0.18062645	3.0994299	21	4 18.8	20.3
379486 2010 EB_{106}	15.8	X	251.13654	358.51246	113.10431	15.12627	0.1465743	0.22233936	2.6985169	21	10 5.8	19.8
379487 2010 ED_{107}	16.1	X	56.86124	93.12907	14.26465	15.77120	0.0988472	0.17467618	3.1694234	21	2 22.3	20.3
379488 2010 EK_{107}	16.1	X	21.44870	315.82414	197.58850	1.58791	0.1330885	0.17169098	3.2060557	21	2 19.3	19.8
379489 2010 EZ_{107}	16.3	X	86.94646	300.79879	190.01816	15.33097	0.2736245	0.18533264	3.0467357	21	5 23.8	20.8
379490 2010 EB_{112}	16.3	X	101.90696	38.57357	29.86599	4.95427	0.1303168	0.17683190	3.1436123	21	3 6.2	20.7
379491 2010 EQ_{127}	15.9	X	35.20669	130.95254	353.48291	13.22252	0.1280816	0.17164175	3.2066686	21	2 10.0	19.8
379492 2010 EH_{139}	16.1	X	352.21666	167.70855	12.14120	9.13188	0.0585826	0.17310186	3.1886111	21	2 15.8	20.4
379493 2010 ER_{139}	16.6	X	52.99395	92.93844	41.34924	0.74225	0.1324513	0.17637344	3.1490576	21	3 18.9	20.3
379494 2010 EK_{141}	16.4	X	163.70587	262.33986	155.76431	3.15308	0.1102027	0.18750755	3.0231304	21	4 25.3	21.1
379495 2010 EN_{143}	15.6	X	23.12550	289.49321	266.65294	13.42849	0.2215865	0.18076067	3.0978955	21	4 16.6	18.9
379496 2010 ER_{143}	16.4	X	45.59130	113.90256	49.98982	14.21535	0.2472308	0.18120037	3.0928818	21	4 29.8	19.6
379497 2010 FN_{21}	15.3	X	194.14247	76.64384	160.45540	10.40186	0.0248486	0.14685494	3.5580360	21	12 27.0	20.6
379498 2010 FZ_{30}	16.0	X	55.06712	109.93288	26.04814	18.75928	0.1140353	0.17536348	3.1611367	21	3 27.6	20.1
379499 2010 FE_{53}	16.3	X	301.21987	28.46951	31.36950	11.88467	0.1854900	0.23595075	2.5937124	21	10 2.3	19.1
379500 2010 FU_{56}	15.8	X	67.66985	9.02219	145.20400	9.92764	0.0793234	0.18450318	3.0558602	21	5 1.2	20.0
379501 2010 FR_{87}	15.8	X	60.53108	253.28878	213.38431	12.58359	0.0879324	0.17001905	3.2270399	21	2 15.3	20.2
379502 2010 FW_{91}	16.3	X	76.91861	168.06479	345.38568	4.77192	0.1702582	0.18652582	3.0337287	21	5 21.5	20.4
379503 2010 FM_{101}	15.5	X	60.40635	86.33975	47.59623	16.99036	0.1612152	0.17775078	3.1327690	21	4 8.8	19.5
379504 2010 GB_{74}	16.3	X	167.81010	287.80512	213.99537	30.32845	0.3481845	0.21484061	2.7609495	21	8 4.2	22.1
379505 2010 GX_{99}	15.8	X	17.00431	151.47369	25.69032	9.81865	0.0618446	0.17621333	3.1509648	21	3 17.9	19.9
379506 2010 GN_{105}	15.8	X	115.30407	67.53449	59.55410	16.82904	0.1788406	0.18653799	3.0335968	21	6 3.8	20.5
379507 2010 GL_{135}	17.0	X	118.66884	85.65548	42.17476	5.66921	0.2138990	0.19186699	2.9771625	21	6 12.6	21.8
379508 2010 GU_{157}	16.1	X	57.73667	113.77083	37.44330	11.03237	0.1842101	0.17926917	3.1150544	21	4 24.1	19.9
379509 2010 GC_{159}	15.1	X	317.71919	318.34402	246.53208	16.81399	0.1975076	0.16828782	3.2491338	21	1 7.5	19.8
379510 2010 GC_{161}	16.1	X	83.14913	315.66772	165.06468	11.70612	0.1959964	0.17888786	3.1194795	21	4 26.8	20.5
379511 2010 HC_{1}	13.5	X	272.03186	133.79889	231.74461	10.89451	0.0835476	0.08271549	5.2168879	21	6 17.6	20.4
379512 2010 HJ_{63}	15.3	X	54.41963	142.90609	64.47846	14.61759	0.2152735	0.19765431	2.9187609	21	7 8.0	19.0
379513 2010 JG_{35}	15.6	X	80.65839	90.39579	44.66266	23.20620	0.1573004	0.17954404	3.1118744	21	5 3.3	19.8
379514 2010 JW_{78}	18.2	X	50.84138	303.69129	60.49430	22.59816	0.0927810	0.39640187	1.8353219	21	—	—
379515 2010 JD_{113}	16.1	X	51.21344	269.12393	240.42566	8.68393	0.2008255	0.17675610	3.1445109	21	4 10.5	19.8
379516 2010 LM_{6}	15.7	X	352.94429	129.50523	47.96573	9.99109	0.0705378	0.17399154	3.1777322	21	2 13.7	20.0
379517 2010 LH_{33}	15.3	X	99.11013	351.41077	101.83528	23.63565	0.0877969	0.18040484	3.1019676	21	4 5.9	20.1
379518 2010 LB_{49}	15.9	X	321.58156	255.55493	112.27539	9.37764	0.1124751	0.17608868	3.1524515	21	8 26.9	19.8
379519 2010 LS_{68}	17.3	X	343.07839	143.45453	190.97461	8.24942	0.2376520	0.26594736	2.3948166	21	8 15.9	18.8
379520 2010 OS_{23}	16.9	X	194.12157	206.81901	81.21032	13.71857	0.4990332	0.22338233	2.6901108	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379521 2010 OR_{86}	15.5	X	15.84624	295.04447	248.45095	17.61465	0.1189946	0.17300596	3.1897894	21	3 12.7	19.8
379522 2010 UV_4	17.0	X	272.25114	301.58322	359.90939	3.61803	0.2263498	0.23527074	2.5987077	21	3 6.1	21.2
379523 2010 UY_{66}	18.1	X	160.05772	303.03289	73.02137	3.52038	0.1526414	0.31399052	2.1438367	21	2 16.9	20.8
379524 2010 UP_{76}	17.5	X	169.64386	57.45502	274.47672	5.41929	0.1799605	0.30635512	2.1793114	21	1 2.9	20.5
379525 2010 UC_{93}	17.8	X	172.03274	57.14226	279.25706	5.00413	0.2013665	0.30829161	2.1701758	21	1 12.9	20.9
379526 2010 UH_{104}	18.1	X	236.45416	200.01401	65.97176	7.50836	0.1755662	0.30589010	2.1815195	21	—	—
379527 2010 US_{106}	16.0	X	219.12505	157.09507	325.73960	29.57199	0.0872442	0.23985571	2.5654842	21	9 4.2	19.9
379528 2010 VW_{23}	18.0	X	51.03641	134.13808	37.16495	0.75172	0.0275825	0.31952590	2.1190051	21	4 4.2	20.1
379529 2010 VM_{71}	17.5	X	208.97984	135.68940	124.10828	6.05303	0.0920427	0.28856025	2.2680104	21	—	—
379530 2010 VL_{112}	17.7	X	160.54940	141.11888	224.11399	5.64720	0.1430067	0.30885946	2.1675150	21	1 30.0	20.6
379531 2010 WP_{10}	14.3	X	283.02750	329.47254	128.70710	2.58160	0.0730857	0.08160627	5.2640543	21	10 15.9	21.1
379532 2010 WW_{45}	18.0	X	13.85510	295.87644	237.21096	0.98758	0.0141897	0.30852308	2.1690902	21	2 9.8	20.3
379533 2010 WV_{55}	17.7	X	127.15501	120.27187	280.81018	6.70459	0.1489396	0.30170915	2.2016269	21	2 8.3	20.3
379534 2010 WO_{58}	18.5	X	154.42431	260.90994	135.66567	0.73901	0.1202507	0.31228217	2.1516482	21	3 5.3	21.3
379535 2010 WS_{60}	17.6	X	296.20944	106.85433	77.59790	2.59507	0.0929234	0.28895608	2.2659387	21	—	—
379536 2010 WP_{63}	18.0	X	47.05785	58.77677	77.13271	3.37223	0.0486415	0.30637719	2.1792067	21	2 7.9	20.1
379537 2010 WT_{72}	17.8	X	235.44635	162.00182	150.32482	1.74625	0.1006847	0.31323222	2.1472952	21	2 9.1	20.6
379538 2010 XP_{15}	18.1	X	130.19320	282.06956	149.37976	1.73599	0.0573278	0.31044036	2.1601501	21	3 14.0	20.5
379539 2010 XA_{48}	17.8	X	309.69101	122.92962	93.36551	4.07162	0.1591313	0.30761873	2.1733393	21	—	—
379540 2010 XW_{62}	17.6	X	102.02717	353.10762	82.37532	8.08959	0.0847135	0.30312739	2.1947544	21	2 14.9	20.0
379541 2011 AN	18.4	X	4.31120	25.02110	83.95625	1.22542	0.1592529	0.28277582	2.2988354	21	—	—
379542 2011 AQ_3	17.6	X	248.72076	285.86924	260.61948	4.91482	0.1175530	0.27705326	2.3303825	21	—	—
379543 2011 AZ_7	17.8	X	287.72751	241.00286	274.29506	1.22844	0.1473356	0.27236984	2.3570206	21	—	—
379544 2011 AQ_{14}	17.4	X	142.89353	303.27913	78.99747	6.05177	0.1639743	0.29962711	2.2118142	21	2 9.8	20.2
379545 2011 AC_{15}	16.5	X	103.40776	144.19332	45.14937	8.24587	0.1363056	0.22115935	2.7081072	21	8 9.5	20.6
379546 2011 AJ_{15}	15.5	X	55.46827	283.48002	103.38005	23.70249	0.0866093	0.18424270	3.0587397	21	—	—
379547 2011 AR_{19}	17.1	X	250.05924	255.97372	281.62784	6.02797	0.0628700	0.26462778	2.4027713	21	—	—
379548 2011 AN_{21}	17.1	X	134.61348	246.54513	321.97111	9.18499	0.0389430	0.24511619	2.5286461	21	9 25.1	20.7
379549 2011 AT_{21}	17.7	X	34.29519	2.51423	94.78125	3.66809	0.1233718	0.28680682	2.2772449	21	—	—
379550 2011 AE_{24}	17.5	X	252.79702	176.13975	327.13088	3.98838	0.1546321	0.25944473	2.4346665	21	11 14.0	20.4
379551 2011 AN_{24}	16.8	X	222.10785	157.58654	96.71535	6.59818	0.1361822	0.28180849	2.3040930	21	—	—
379552 2011 AT_{32}	18.0	X	60.77889	261.67640	168.28839	4.86716	0.1042784	0.28779331	2.2720380	21	—	—
379553 2011 AU_{34}	18.1	X	43.97146	269.96890	201.11543	4.66150	0.1211696	0.29292767	2.2454107	21	—	—
379554 2011 AR_{41}	16.7	X	19.92009	168.18902	87.27291	9.99508	0.2107254	0.22465560	2.6799368	21	7 10.6	19.1
379555 2011 AU_{44}	18.1	X	51.90163	139.98170	330.20379	2.42898	0.0888494	0.29277348	2.2461990	21	1 11.8	20.1
379556 2011 AA_{47}	17.4	X	358.53947	212.92410	292.33700	4.66756	0.1021985	0.28515714	2.2860193	21	—	—
379557 2011 AR_{53}	17.8	X	61.43844	135.20328	325.31308	6.20186	0.1391095	0.29743361	2.2226753	21	1 15.9	19.6
379558 2011 AL_{56}	16.6	X	17.60216	353.70883	310.86395	8.40841	0.1575121	0.23865056	2.5741138	21	9 10.3	19.4
379559 2011 AF_{57}	17.7	X	229.67854	114.64929	96.85770	2.36762	0.1413885	0.26821195	2.3813175	21	—	—
379560 2011 AL_{66}	17.3	X	297.74893	212.07347	315.54905	4.85021	0.0749827	0.27565703	2.3382450	21	—	—
379561 2011 AR_{66}	18.5	X	327.86110	177.86937	311.01644	0.94473	0.1227351	0.27471428	2.3435914	21	—	—
379562 2011 AK_{69}	17.5	X	206.35421	250.65180	312.77536	2.74419	0.1649296	0.26028347	2.4294334	21	12 6.0	21.0
379563 2011 AJ_{72}	17.5	X	234.17226	156.56464	354.87618	3.25170	0.1159672	0.25863862	2.4397227	21	11 6.5	20.7
379564 2011 AE_{78}	16.9	X	311.40979	2.45360	119.77744	12.79218	0.1769667	0.26846882	2.3797983	21	—	—
379565 2011 AS_{79}	18.2	X	330.71949	168.73329	346.55387	1.43268	0.0873084	0.28223296	2.3017822	21	—	—
379566 2011 BA_2	17.7	X	276.21861	219.28093	327.74767	1.63788	0.1371613	0.27529033	2.3403209	21	—	—
379567 2011 BC_3	18.2	X	11.07287	50.00361	59.69813	3.60234	0.1165979	0.28536475	2.2849103	21	—	—
379568 2011 BL_4	16.8	X	54.94169	130.79049	121.50012	12.94053	0.1511158	0.23410838	2.6073025	21	9 3.6	20.2
379569 2011 BK_8	18.3	X	313.14948	111.42100	34.24749	0.83357	0.1440384	0.27567173	2.3381618	21	—	—
379570 2011 BY_{14}	17.8	X	21.83470	89.14173	44.06375	6.80343	0.0984489	0.29169351	2.2517398	21	—	—
379571 2011 BH_{25}	17.4	X	250.22344	118.43213	46.44115	1.70968	0.1388137	0.26213155	2.4180012	21	12 14.1	20.1
379572 2011 BD_{32}	18.0	X	25.51193	154.46895	273.16778	3.39390	0.1988929	0.27936427	2.3175128	21	—	—
379573 2011 BB_{33}	17.3	X	245.01129	220.07567	310.77561	2.31718	0.0951077	0.26153000	2.4217076	21	12 21.5	20.3
379574 2011 BW_{37}	16.1	X	164.58563	193.39619	341.70306	13.05353	0.1023502	0.23571397	2.5954490	21	9 18.1	20.1
379575 2011 BD_{43}	16.9	X	86.89024	151.57830	61.44310	9.42787	0.1138625	0.22843122	2.6503247	21	8 19.2	20.7
379576 2011 BP_{45}	17.8	X	1.19227	113.27139	1.51300	4.11379	0.1430799	0.28029834	2.3123613	21	—	—
379577 2011 BV_{50}	17.2	X	274.39204	327.50829	189.95403	4.80882	0.1540005	0.26549265	2.3975502	21	—	—
379578 2011 BS_{52}	17.6	X	276.85883	132.56146	48.93166	5.33212	0.1137604	0.27266939	2.3552940	21	—	—
379579 2011 BM_{54}	17.7	X	241.79338	146.49326	71.37538	5.69056	0.0370580	0.27413670	2.3468820	21	—	—
379580 2011 BD_{63}	16.5	X	287.09614	197.47740	158.95307	6.86153	0.0454226	0.22315300	2.6919536	21	6 28.7	20.1
379581 2011 BC_{67}	18.0	X	45.90055	204.33413	235.47292	1.54313	0.1481594	0.28513522	2.2861364	21	—	—
379582 2011 BM_{68}	17.9	X	350.88267	9.67171	144.11653	3.64804	0.1198763	0.28448364	2.2896258	21	—	—
379583 2011 BY_{71}	17.0	X	50.38327	63.04892	211.52907	3.80603	0.0956431	0.23384888	2.6092310	21	9 13.9	20.2
379584 2011 BO_{80}	17.5	X	281.76242	165.10440	16.86372	2.44461	0.1268045	0.27418828	2.3465877	21	—	—
379585 2011 BF_{83}	16.8	X	150.23997	85.62018	105.14206	5.48379	0.0598191	0.23914666	2.5705526	21	9 27.8	20.5
379586 2011 BG_{84}	17.9	X	93.92856	309.81736	113.56967	2.56674	0.1427401	0.29353702	2.2423021	21	1 22.9	20.0
379587 2011 BE_{100}	17.3	X	245.43612	286.91026	209.31258	5.74186	0.0852794	0.25205267	2.4820385	21	11 6.0	20.4
379588 2011 BO_{114}	17.6	X	18.21218	164.75884	278.05372	3.71174	0.0895787	0.27933364	2.3176822	21	—	—
379589 2011 BT_{115}	16.5	X	11.86438	161.65961	119.02154	15.19712	0.1400255	0.23176243	2.6248673	21	7 26.2	18.9
379590 2011 BE_{139}	17.2	X	140.45431	297.39063	347.74222	5.23143	0.0917165	0.26748310	2.3856413	21	—	—
379591 2011 CZ_1	17.3	X	282.65820	347.49259	159.12659	2.87510	0.1371830	0.26446290	2.4037698	21	—	—
379592 2011 CZ_2	17.2	X	353.76166	350.73753	110.95963	11.13420	0.1690384	0.27521934	2.3407233	21	—	—
379593 2011 CX_{12}	17.1	X	73.93709	16.90746	252.51138	3.11096	0.1660169	0.23913737	2.5706192	21	10 19.3	20.8
379594 2011 CS_{15}	18.1	X	342.49854	157.48380	354.68515	5.05107	0.1728636	0.28183242	2.3039625	21	—	—
379595 2011 CY_{18}	16.3	X	12.45703	347.53792	277.71170	3.82494	0.1189615	0.22210264	2.7004340	21	7 2.3	19.2
379596 2011 CF_{19}	17.7	X	27.57227	167.69866	288.79404	2.60042	0.1215929	0.28203354	2.3028671	21	—	—
379597 2011 CS_{33}	17.9	X	294.52951	263.00604	279.85936	1.64848	0.1126317	0.27818422	2.3240621	21	—	—
379598 2011 CW_{33}	17.3	X	251.61998	237.27718	312.47475	5.81996	0.0619882	0.27014575	2.3699397	21	—	—
379599 2011 CY_{37}	17.6	X	292.40012	60.81800	74.12866	2.30560	0.1182232	0.26642436	2.3919574	21	—	—
379600 2011 CB_{42}	16.6	X	271.51184	122.51640	32.49738	10.37076	0.2205814	0.26245424	2.4160188	21	12 20.9	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379601 2011 CZ_{45}	17.2	X	73.34160	357.68044	5.15298	6.16426	0.1275045	0.26989619	2.3714003	21	—	—
379602 2011 CZ_{46}	17.4	X	27.72681	37.74972	65.85600	7.56283	0.1072175	0.28554417	2.2839531	21	—	—
379603 2011 CD_{49}	17.7	X	289.18320	107.85941	35.97700	5.93934	0.1537460	0.26624799	2.3930135	21	—	—
379604 2011 CY_{52}	17.5	X	313.89067	136.57407	335.65668	7.07854	0.0953737	0.26574604	2.3960259	21	—	—
379605 2011 CJ_{54}	17.4	X	9.87406	180.51120	142.18605	11.66890	0.0489673	0.23918901	2.5702492	21	9 18.5	20.5
379606 2011 CO_{61}	17.9	X	29.51235	258.39052	172.74452	2.50437	0.0290123	0.27400393	2.3476401	21	—	—
379607 2011 CY_{67}	17.6	X	218.58778	172.35203	16.70460	2.75043	0.1104432	0.25656260	2.4528659	21	12 7.5	20.9
379608 2011 CS_{68}	17.6	X	351.98217	129.14629	301.17728	0.36193	0.1527275	0.26733305	2.3865339	21	—	—
379609 2011 CS_{72}	17.5	X	284.99234	125.67825	56.49256	3.20363	0.1384431	0.27413263	2.3469053	21	—	—
379610 2011 CY_{73}	15.6	X	2.00104	204.66640	340.31143	9.11854	0.0179660	0.20182707	2.8783909	21	3 1.4	19.4
379611 2011 CZ_{74}	17.5	X	135.46422	107.55569	345.72847	3.68439	0.0695681	0.30723053	2.1751696	21	4 22.4	20.1
379612 2011 CC_{75}	16.2	X	101.99358	277.97744	328.21762	13.81271	0.0955463	0.23897989	2.5717484	21	10 7.1	20.1
379613 2011 CE_{83}	17.0	X	274.14440	67.01430	316.69795	11.98842	0.2365775	0.23630302	2.5911340	21	6 19.9	20.9
379614 2011 CS_{86}	16.6	X	92.54165	336.20704	289.48287	4.49119	0.1048633	0.24263564	2.5458510	21	10 27.8	20.3
379615 2011 CA_{88}	17.7	X	3.25415	279.48956	162.61155	2.09519	0.1770539	0.27239095	2.3568988	21	—	—
379616 2011 CO_{88}	17.7	X	21.67334	126.64021	314.32055	7.72349	0.1788875	0.27625213	2.3348857	21	—	—
379617 2011 CK_{112}	17.4	X	354.46703	209.78175	176.64028	6.65831	0.2167662	0.25768930	2.4457110	21	12 13.3	19.6
379618 2011 CY_{115}	17.1	X	73.21005	70.38148	227.97682	3.35409	0.1234172	0.24590509	2.5232350	21	11 21.1	20.7
379619 2011 DB_{3}	18.1	X	335.02489	333.45212	134.77440	2.81558	0.1660552	0.27012813	2.3700427	21	—	—
379620 2011 DU_{3}	18.1	X	359.65345	1.67956	132.30599	2.60907	0.1754950	0.28147104	2.3059342	21	—	—
379621 2011 DB_{6}	17.0	X	281.36333	90.23450	29.35390	8.82528	0.1859201	0.25657354	2.4527962	21	11 20.3	19.6
379622 2011 DF_{6}	17.4	X	281.41390	358.13564	177.75456	3.69490	0.1330803	0.26832264	2.3806625	21	—	—
379623 2011 DY_{7}	17.5	X	207.10620	119.53953	14.10864	3.04670	0.0781043	0.23587394	2.5942754	21	9 15.5	21.1
379624 2011 DM_{8}	16.7	X	199.92339	120.50923	358.89523	11.73677	0.1428224	0.23164228	2.6257749	21	8 18.6	20.9
379625 2011 DZ_{8}	17.4	X	304.62859	103.94943	36.56317	7.27308	0.1703282	0.26428052	2.4048756	21	—	—
379626 2011 DN_{9}	16.6	X	12.95368	108.76788	145.87368	5.26984	0.0853397	0.21699509	2.7426441	21	6 16.9	19.8
379627 2011 DM_{10}	17.4	X	58.28663	126.14024	312.17265	6.64369	0.0705432	0.28890544	2.2662035	21	—	—
379628 2011 DM_{13}	16.7	X	235.56206	92.92078	312.48651	8.20008	0.1114565	0.22954583	2.6417382	21	6 19.9	20.7
379629 2011 DN_{13}	17.6	X	218.42407	348.55673	247.69377	2.19153	0.0174955	0.27123441	2.3635939	21	—	—
379630 2011 DM_{14}	17.7	X	83.86071	204.90053	178.37956	1.86964	0.2033544	0.28039294	2.3118412	21	—	—
379631 2011 DH_{18}	16.6	X	291.69232	232.49209	170.11704	11.03389	0.1341085	0.23562637	2.5960922	21	8 24.5	19.6
379632 2011 DH_{22}	17.9	X	316.21785	2.83502	122.45262	1.77714	0.1185186	0.26417140	2.4055378	21	—	—
379633 2011 DC_{23}	16.6	X	10.71893	255.46954	35.32389	5.20169	0.0853264	0.22059486	2.7127252	21	8 5.9	19.8
379634 2011 DH_{24}	16.8	X	291.04323	292.61285	205.78139	8.94411	0.2224923	0.26340342	2.4102112	21	—	—
379635 2011 DX_{24}	17.7	X	331.95258	75.61488	46.82614	2.15551	0.1359367	0.27193865	2.3595115	21	—	—
379636 2011 DO_{25}	17.6	X	302.07057	105.76801	9.72836	4.47567	0.1709301	0.26113690	2.4241373	21	—	—
379637 2011 DE_{27}	17.2	X	40.52907	156.89848	147.92364	4.99302	0.0908605	0.24135427	2.5548538	21	10 14.7	20.3
379638 2011 DG_{31}	16.8	X	68.65782	278.70321	345.46210	6.93072	0.1232738	0.23307388	2.6150118	21	9 28.9	20.3
379639 2011 DK_{37}	16.4	X	347.86474	181.05162	164.29781	14.85374	0.0814333	0.23605820	2.5929252	21	9 14.3	19.2
379640 2011 DP_{39}	17.6	X	305.92697	257.31434	248.86933	1.79776	0.1179185	0.26847371	2.3797694	21	—	—
379641 2011 DX_{39}	17.2	X	164.92629	319.86484	223.24457	2.18843	0.0353494	0.23951291	2.5679315	21	10 1.6	20.8
379642 2011 EB_{1}	17.0	X	135.43884	251.32181	301.06919	5.10695	0.0256237	0.23756240	2.5819683	21	9 5.1	20.5
379643 2011 ET_{6}	18.5	X	15.45059	194.19734	289.93168	1.82618	0.1749700	0.28460630	2.2889679	21	—	—
379644 2011 EY_{7}	16.0	X	251.70945	230.88780	353.86577	9.21037	0.0691762	0.17405932	3.1769072	21	—	—
379645 2011 EY_{17}	16.6	X	175.64607	200.39492	344.23816	5.87119	0.2068510	0.23859909	2.5744840	21	10 9.1	21.0
379646 2011 EL_{18}	17.9	X	266.94594	72.13172	68.37670	3.14432	0.1420777	0.25882262	2.4385663	21	12 4.7	20.4
379647 2011 EG_{19}	17.1	X	328.70710	8.50860	134.58052	5.38819	0.1695619	0.27185043	2.3600219	21	—	—
379648 2011 EA_{22}	16.4	X	246.12427	24.59400	6.42279	6.43187	0.0448620	0.22306355	2.6926731	21	6 20.9	20.2
379649 2011 EF_{22}	16.9	X	253.97319	47.31428	113.18451	6.56160	0.0918477	0.25634548	2.4542508	21	12 19.8	19.9
379650 2011 EU_{23}	16.3	X	335.48590	7.35877	348.47752	14.70156	0.0970949	0.23664637	2.5886271	21	9 7.9	19.0
379651 2011 EZ_{24}	17.3	X	314.65358	90.97885	22.74369	7.88960	0.1713783	0.26140916	2.4224539	21	—	—
379652 2011 EK_{25}	17.1	X	148.42415	150.87332	59.08649	5.78584	0.1089585	0.23590076	2.5940788	21	10 19.7	21.1
379653 2011 EF_{28}	16.7	X	195.33792	358.19630	163.00981	7.45667	0.0603107	0.23969990	2.5665958	21	10 10.7	20.3
379654 2011 EF_{29}	16.3	X	271.13108	202.05487	146.37473	9.88437	0.1309935	0.21880657	2.7274857	21	5 18.1	20.3
379655 2011 EA_{38}	16.6	X	307.09278	267.10318	97.95153	7.27469	0.0604842	0.22486659	2.6782601	21	8 8.5	19.9
379656 2011 EN_{39}	15.9	X	219.38046	105.63429	177.66806	16.33555	0.1123399	0.17413432	3.1759949	21	1 9.2	21.2
379657 2011 EN_{42}	16.8	X	347.69909	175.74804	146.05549	8.98013	0.0742713	0.22555106	2.6728390	21	8 8.9	19.9
379658 2011 EB_{43}	18.0	X	336.13344	294.11639	199.83972	1.21366	0.0894484	0.27216452	2.3582059	21	—	—
379659 2011 EB_{44}	16.9	X	196.61773	291.29878	248.12077	5.30282	0.1472643	0.24205159	2.5499447	21	10 25.5	20.8
379660 2011 EZ_{49}	17.3	X	348.69045	36.83913	86.91152	7.25298	0.0683899	0.27288597	2.3540476	21	—	—
379661 2011 EN_{53}	16.6	X	265.48716	4.95999	53.30740	12.18711	0.1399479	0.22848739	2.6498903	21	8 13.6	20.4
379662 2011 EW_{66}	17.6	X	340.95910	302.28541	183.83894	5.65592	0.1182547	0.27176080	2.3605408	21	—	—
379663 2011 EF_{68}	17.0	X	154.91294	23.43882	163.38737	6.25360	0.2051439	0.23376375	2.6098644	21	9 27.2	21.3
379664 2011 EX_{68}	16.6	X	265.63326	275.24989	131.39133	7.78640	0.0757526	0.22714273	2.6603380	21	8 2.4	20.2
379665 2011 EG_{75}	16.1	X	201.61518	168.28312	338.79141	15.11123	0.2000812	0.23938847	2.5688213	21	9 14.6	20.3
379666 2011 EB_{77}	16.2	X	102.69301	133.94240	52.94818	9.27649	0.0909452	0.22083512	2.7107572	21	7 29.9	20.1
379667 2011 EN_{78}	16.2	X	253.39550	170.98645	76.66886	2.47523	0.1302626	0.17527233	3.1622326	21	—	—
379668 2011 EQ_{78}	16.9	X	222.96393	316.06251	167.18772	9.51858	0.1118511	0.23941953	2.5685992	21	9 16.8	20.5
379669 2011 EM_{81}	16.3	X	253.04699	10.26774	10.75912	6.09629	0.0380078	0.22062060	2.7125141	21	6 17.1	20.1
379670 2011 ER_{86}	17.8	X	9.80351	80.95205	51.05743	22.76280	0.2012736	0.28117467	2.3075543	21	—	—
379671 2011 FE_{7}	17.0	X	339.74854	75.01998	9.49886	10.96894	0.1636039	0.26067845	2.4269787	21	—	—
379672 2011 FT_{11}	17.1	X	241.15229	354.96135	146.13535	5.11552	0.1951035	0.24493342	2.5299039	21	10 22.6	20.7
379673 2011 FE_{16}	16.5	X	144.70550	6.47459	67.97364	6.73495	0.0366334	0.20189431	2.8777518	21	4 18.7	20.6
379674 2011 FO_{16}	16.1	X	252.76049	249.24356	9.92198	9.96388	0.0989412	0.17977729	3.1091821	21	1 16.8	21.0
379675 2011 FC_{17}	17.1	X	107.18428	41.64608	147.35964	2.08522	0.0203536	0.22422979	2.6833285	21	7 25.9	20.5
379676 2011 FC_{19}	17.2	X	139.31867	48.12605	124.31254	3.20590	0.1342933	0.22500070	2.6771958	21	8 23.1	21.4
379677 2011 FD_{21}	17.0	X	334.25603	354.75354	21.89851	7.06481	0.0682889	0.23709395	2.5853682	21	10 6.4	19.9
379678 2011 FG_{24}	16.5	X	354.92395	207.17597	177.54424	4.51349	0.1586349	0.24516194	2.5283315	21	11 30.2	19.1
379679 2011 FF_{26}	16.5	X	277.07755	144.26775	109.94184	10.07200	0.0772712	0.18330834	3.0691249	21	2 5.9	20.9
379680 2011 FP_{27}	15.7	X	91.72966	301.77073	91.67291	11.66240	0.0717392	0.17300886	3.1897537	21	1 1.1	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379681 2011 FJ_{28}	16.1	X	64.01846	201.42519	51.68382	10.43715	0.1309981	0.22235113	2.6984217	21	9 15.7	19.8
379682 2011 FX_{29}	16.0	X	259.68228	250.80652	24.89591	7.55120	0.1751321	0.17776535	3.1325978	21	2 6.2	21.0
379683 2011 FZ_{30}	16.8	X	191.41939	45.11749	63.61441	7.03211	0.0144238	0.21874677	2.7279827	21	7 29.7	20.6
379684 2011 FB_{31}	16.4	X	78.81966	156.96477	37.77261	13.54512	0.0661271	0.21176473	2.7876203	21	7 3.0	20.4
379685 2011 FM_{37}	16.2	X	253.65373	169.72344	211.31482	11.64083	0.0470738	0.21568190	2.7537652	21	6 16.8	20.2
379686 2011 FR_{37}	16.9	X	171.35250	233.99515	316.25243	5.01210	0.0914550	0.24006980	2.5639588	21	10 15.0	20.7
379687 2011 FV_{38}	16.8	X	240.30886	358.07580	46.53047	6.36698	0.0320443	0.21750918	2.7383208	21	7 3.9	20.7
379688 2011 FW_{39}	16.4	X	301.35347	291.11545	50.79189	7.28708	0.0080191	0.21643837	2.7473451	21	7 4.8	20.2
379689 2011 FY_{46}	16.7	X	310.87697	57.86150	209.21354	3.29119	0.0534929	0.19297264	2.9657797	21	4 3.9	20.8
379690 2011 FL_{47}	16.8	X	113.99874	114.00393	48.27613	8.35371	0.1586830	0.21253955	2.7808413	21	7 17.5	21.1
379691 2011 FH_{57}	16.2	X	267.96285	43.59038	201.75691	10.29987	0.1819614	0.17718681	3.1394130	21	1 5.3	21.4
379692 2011 FT_{58}	18.0	X	328.78656	293.15904	207.37015	0.61357	0.1317351	0.26866914	2.3786152	21	—	—
379693 2011 FY_{60}	16.7	X	69.40836	354.46464	214.44306	11.78176	0.0843881	0.21348437	2.7726305	21	7 9.1	20.6
379694 2011 FQ_{72}	18.1	X	350.34671	57.75498	31.58647	1.90054	0.1455704	0.26736817	2.3863249	21	—	—
379695 2011 FW_{74}	18.0	X	345.75889	103.26549	1.65756	3.22308	0.1296974	0.26807854	2.3821075	21	—	—
379696 2011 FO_{79}	16.6	X	311.18220	217.87905	111.23490	4.24398	0.0923536	0.21611703	2.7500677	21	6 19.4	20.0
379697 2011 FB_{81}	16.0	X	294.65953	339.33785	10.58571	7.86332	0.1627447	0.21737876	2.7394159	21	6 11.1	19.7
379698 2011 FH_{84}	16.5	X	178.33248	105.75400	31.93396	21.85379	0.1195699	0.22976806	2.6400345	21	8 29.9	21.0
379699 2011 FF_{93}	17.5	X	80.01349	48.94430	186.33101	4.55803	0.0207598	0.22581046	2.6707917	21	8 20.3	21.1
379700 2011 FT_{121}	16.6	X	358.43957	317.58787	0.15524	6.55513	0.0481919	0.22442485	2.6817735	21	8 22.7	20.0
379701 2011 FP_{126}	17.8	X	340.50923	242.80320	256.32674	1.52409	0.1142853	0.27372974	2.3492076	21	—	—
379702 2011 FT_{140}	16.7	X	154.48734	11.26111	176.37862	5.16163	0.1172967	0.23168266	2.6254698	21	9 26.0	20.6
379703 2011 FS_{141}	16.5	X	142.62379	235.81709	317.26484	11.30433	0.1141120	0.22932367	2.6434440	21	9 15.8	20.7
379704 2011 FK_{142}	15.7	X	286.46429	208.11168	53.80609	15.29770	0.1263635	0.18199151	3.0839119	21	2 26.1	20.5
379705 2011 FC_{144}	17.0	X	205.85439	109.76695	15.25366	6.16790	0.0583312	0.22981212	2.6396971	21	9 5.4	20.7
379706 2011 FK_{150}	16.5	X	152.16782	85.32122	44.31930	10.09755	0.1079448	0.21730607	2.7400268	21	7 11.4	20.8
379707 2011 FR_{151}	16.1	X	280.17699	49.77278	1.01249	13.29929	0.0012128	0.22934300	2.6432955	21	9 11.0	19.6
379708 2011 FK_{153}	15.8	X	203.90239	63.64844	248.99586	8.79862	0.0902776	0.17987491	3.1080571	21	1 26.4	20.7
379709 2011 GG_{2}	16.0	X	33.77971	250.18588	207.02740	17.28793	0.1016275	0.17771774	3.1331573	21	—	—
379710 2011 GV_{3}	17.8	X	276.25884	13.03474	148.43532	5.19585	0.1357747	0.25784954	2.4446976	21	—	—
379711 2011 GE_{11}	17.4	X	292.59728	93.00474	346.28424	6.25280	0.1696516	0.24402752	2.5361612	21	10 12.5	20.3
379712 2011 GS_{11}	17.0	X	291.78066	149.39341	233.85775	5.83905	0.0565637	0.22375052	2.6871589	21	8 7.4	20.5
379713 2011 GA_{12}	16.7	X	296.62017	206.02717	207.04034	10.60124	0.0927936	0.23483234	2.6019410	21	9 21.3	20.0
379714 2011 GL_{17}	17.0	X	167.96467	262.07406	234.89510	4.39769	0.1347342	0.22458297	2.6805145	21	8 4.1	21.2
379715 2011 GR_{25}	16.9	X	174.00897	149.08507	327.25363	4.89883	0.0798968	0.21868131	2.7285271	21	7 16.6	20.9
379716 2011 GY_{28}	17.0	X	257.72447	298.13595	83.51460	4.07308	0.0290071	0.21703899	2.7422742	21	6 25.9	20.5
379717 2011 GA_{29}	16.0	X	215.07718	220.40777	54.02548	5.68025	0.1384820	0.17215397	3.2003049	21	—	—
379718 2011 GB_{30}	16.7	X	342.92999	178.75119	169.96298	10.58986	0.0867444	0.22928399	2.6437491	21	9 8.9	19.7
379719 2011 GQ_{31}	17.3	X	213.45241	185.44123	296.80079	1.95334	0.0802946	0.23148243	2.6269836	21	9 5.9	21.0
379720 2011 GR_{31}	15.9	X	265.54850	248.30674	11.44727	13.12230	0.1700164	0.17895968	3.1186449	21	1 25.9	21.1
379721 2011 GM_{39}	16.6	X	256.01320	196.64823	115.39049	5.42524	0.0512908	0.19793173	2.9160330	21	3 26.2	20.9
379722 2011 GQ_{40}	16.9	X	185.33143	84.78790	48.07371	13.75701	0.1279065	0.22982794	2.6395760	21	8 25.0	21.3
379723 2011 GM_{42}	16.6	X	281.09905	172.76682	165.54355	13.55597	0.1857407	0.21450058	2.7638665	21	5 10.1	20.8
379724 2011 GP_{42}	17.1	X	303.53629	173.13229	171.07134	5.89164	0.0481859	0.22223083	2.6993954	21	7 4.5	20.7
379725 2011 GQ_{44}	16.6	X	237.32093	242.86435	159.48577	7.15011	0.0544923	0.21811798	2.7332230	21	6 23.9	20.6
379726 2011 GV_{45}	16.8	X	356.05331	154.93881	157.57495	5.39147	0.0438123	0.22252810	2.6969909	21	8 8.8	20.1
379727 2011 GB_{46}	16.9	X	82.30002	107.61900	140.47176	5.88999	0.1178323	0.22677228	2.6632345	21	9 26.9	20.6
379728 2011 GJ_{46}	16.9	X	229.56688	326.41058	167.25140	12.26464	0.1173834	0.24098344	2.5574741	21	10 9.4	20.5
379729 2011 GM_{47}	16.3	X	34.81534	128.32040	50.11835	10.71222	0.0753403	0.19283810	2.9671590	21	4 12.8	20.1
379730 2011 GY_{47}	16.4	X	298.93026	327.60417	11.56465	13.84880	0.0301176	0.21442162	2.7645450	21	6 24.3	20.4
379731 2011 GS_{48}	16.8	X	7.06878	58.89785	211.92634	4.55872	0.1286226	0.20927614	2.8096760	21	6 30.3	19.9
379732 2011 GY_{54}	16.5	X	247.36174	23.31370	112.50709	14.17459	0.0925103	0.24366456	2.5386791	21	11 10.9	20.1
379733 2011 GQ_{55}	16.8	X	7.62043	62.10171	124.22037	7.03679	0.0846541	0.18803447	3.0174800	21	3 12.4	20.6
379734 2011 GR_{55}	15.3	X	200.86204	251.17373	78.05323	11.13273	0.0644023	0.17837256	3.1254845	21	2 18.4	20.2
379735 2011 GL_{57}	16.5	X	252.81978	113.64368	164.48808	9.40193	0.1185073	0.17970587	3.1100058	21	2 2.7	21.4
379736 2011 GN_{57}	16.1	X	253.64842	359.08925	54.60852	12.37672	0.0684998	0.22080569	2.7109981	21	7 31.8	20.1
379737 2011 GZ_{58}	16.4	X	137.56911	214.75823	8.81109	12.30608	0.0224887	0.23789456	2.5795644	21	10 18.6	20.0
379738 2011 GF_{63}	16.0	X	224.37237	178.42222	322.38837	15.20605	0.0802348	0.24196523	2.5505514	21	10 6.7	19.9
379739 2011 GW_{63}	15.7	X	291.26776	344.19875	231.75563	15.42123	0.1673640	0.17447333	3.1718795	21	—	—
379740 2011 GY_{63}	15.9	X	345.02799	123.08330	75.26728	11.87907	0.0671772	0.18596758	3.0397968	21	2 27.8	20.1
379741 2011 GD_{65}	15.9	X	143.61376	45.37127	73.83560	9.88492	0.0633700	0.21016696	2.8017309	21	6 13.7	20.0
379742 2011 GH_{66}	16.3	X	60.61313	174.80598	26.14503	13.47114	0.1201711	0.20992198	2.8039102	21	6 22.5	20.1
379743 2011 GW_{66}	16.6	X	214.07281	357.71690	136.64098	9.79729	0.1302406	0.23518787	2.5993182	21	9 21.6	20.6
379744 2011 GB_{70}	15.8	X	195.15283	279.27543	29.90647	12.89077	0.0554931	0.17284883	3.1917222	21	1 19.9	20.8
379745 2011 GN_{72}	16.4	X	307.17742	66.54577	176.78814	10.94920	0.0869211	0.18721955	3.0262299	21	2 23.5	20.7
379746 2011 GP_{72}	16.7	X	136.28936	121.72594	56.94198	7.77845	0.0072741	0.22343880	2.6896576	21	8 22.3	20.4
379747 2011 GW_{74}	15.8	X	311.68481	339.79800	245.29188	9.38420	0.1062441	0.18193516	3.0845487	21	2 2.9	20.3
379748 2011 GE_{75}	15.9	X	182.27076	146.60056	167.24625	9.87888	0.1004951	0.17181219	3.2045477	21	1 10.3	21.0
379749 2011 GU_{75}	16.6	X	20.81819	107.34171	136.59713	6.81604	0.0081396	0.20921155	2.8102542	21	6 11.8	20.5
379750 2011 GK_{79}	17.0	X	24.55580	274.48370	353.72705	2.39716	0.0588346	0.21504151	2.7592296	21	7 23.6	20.5
379751 2011 GE_{81}	15.4	X	264.60599	195.44561	74.68737	12.23769	0.0907941	0.17870945	3.1215553	21	2 13.3	20.2
379752 2011 GN_{82}	16.6	X	77.32952	152.76090	50.02071	9.99969	0.0701140	0.21376576	2.7701968	21	7 13.3	20.5
379753 2011 GJ_{84}	17.2	X	224.96873	317.26625	192.54611	4.85853	0.2149665	0.24155840	2.5534143	21	10 11.7	21.2
379754 2011 GP_{84}	16.5	X	311.16431	98.90631	196.71459	1.89709	0.1276418	0.20085894	2.8876326	21	4 30.5	20.2
379755 2011 GU_{84}	16.2	X	324.87556	359.34181	198.86482	9.30598	0.1193099	0.18156233	3.0887698	21	1 17.9	20.5
379756 2011 GC_{85}	15.7	X	163.27445	323.48518	45.42797	9.59622	0.0196499	0.18344160	3.0676384	21	2 21.7	20.2
379757 2011 GB_{88}	16.2	X	270.23495	294.72800	90.59989	8.23742	0.0761989	0.22190902	2.7020046	21	7 10.6	19.8
379758 2011 HU_{2}	15.6	X	204.62291	234.28075	79.87566	15.24024	0.0449835	0.17813638	3.1282465	21	2 3.6	20.4
379759 2011 HU_{5}	16.1	X	183.28961	296.47254	210.90742	12.62248	0.1331544	0.22714583	2.6603138	21	8 29.9	20.5
379760 2011 HZ_{5}	16.4	X	153.63121	64.55507	143.87090	5.58654	0.1960249	0.23301196	2.6154750	21	10 23.2	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379761 2011 HL_6	15.6	X	280.77943	227.82503	16.94845	16.92852	0.1791372	0.17868367	3.1218556	21	1 23.2	20.7
379762 2011 HP_8	16.6	X	250.57371	73.03864	67.53165	15.80850	0.0498929	0.24316789	2.5421347	21	11 22.9	19.7
379763 2011 HW_9	16.2	X	319.43681	252.41318	94.26290	7.65786	0.0467794	0.21711074	2.7416700	21	8 2.5	19.7
379764 2011 HF_{10}	16.0	X	257.81607	193.20226	97.52401	8.91672	0.0897719	0.18385573	3.0630301	21	3 1.1	20.7
379765 2011 HO_{10}	16.8	X	108.11534	130.21374	28.52018	9.24911	0.0988912	0.21306746	2.7762461	21	6 27.5	20.9
379766 2011 HY_{16}	16.3	X	325.89598	167.96807	49.47708	5.86749	0.1358591	0.18504783	3.0498610	21	2 13.4	20.4
379767 2011 HH_{20}	16.5	X	286.99915	258.26040	51.95000	2.49082	0.0751150	0.20168492	2.8797432	21	4 24.8	20.5
379768 2011 HL_{21}	16.5	X	107.00524	264.02369	285.71720	1.56298	0.0454809	0.21469407	2.7622057	21	7 29.9	20.3
379769 2011 HC_{25}	15.4	X	177.25955	268.24960	53.51264	9.62557	0.0505538	0.17109000	3.2135591	21	1 13.8	20.3
379770 2011 HL_{26}	17.5	X	179.76365	137.96222	15.62034	2.65664	0.1614430	0.23048497	2.6345572	21	9 7.7	21.7
379771 2011 HE_{28}	16.8	X	134.65677	1.57010	229.34928	2.70142	0.1611277	0.23296516	2.6158253	21	10 31.2	21.1
379772 2011 HK_{28}	18.3	X	25.55558	109.12418	162.76993	8.00001	0.2580859	0.30511140	2.1852297	21	9 4.7	19.5
379773 2011 HB_{29}	16.9	X	158.52871	135.28626	67.11493	3.43523	0.1128984	0.23348617	2.6119325	21	10 19.6	20.9
379774 2011 HE_{31}	16.0	X	111.92729	305.91117	198.94815	8.56305	0.0913279	0.20952497	2.8074511	21	6 13.1	20.1
379775 2011 HZ_{37}	15.7	X	250.68366	206.77093	85.16743	13.82745	0.0635048	0.18074299	3.0980974	21	2 28.0	20.5
379776 2011 HD_{45}	15.9	X	241.30440	255.96388	53.36621	21.75491	0.1516828	0.18107559	3.0943026	21	3 11.1	21.2
379777 2011 HU_{47}	15.7	X	236.83415	257.41598	54.13595	11.34695	0.1003801	0.18214812	3.0821440	21	3 5.9	20.6
379778 2011 HX_{48}	16.0	X	67.16269	37.28961	92.16438	12.93214	0.0750935	0.18936158	3.0033652	21	4 1.0	20.2
379779 2011 HG_{51}	16.2	X	184.64871	192.96113	154.80957	9.87302	0.0626830	0.17748736	3.1358679	21	2 19.0	20.9
379780 2011 HR_{56}	15.5	X	227.73421	90.27557	189.24015	13.95139	0.1168872	0.17539046	3.1608126	21	1 11.7	20.8
379781 2011 HB_{57}	15.1	X	64.30755	166.53325	127.48270	12.73843	0.2313348	0.12593830	3.9418264	21	11 7.2	20.9
379782 2011 HF_{58}	17.2	X	200.11235	107.63392	72.99745	13.82584	0.2191611	0.24117995	2.5560847	21	10 30.8	21.5
379783 2011 HV_{62}	16.5	X	188.54030	316.20112	223.81642	4.80971	0.1781600	0.23598068	2.5934930	21	10 16.5	20.6
379784 2011 HY_{65}	17.0	X	71.80661	158.20103	92.06243	2.32323	0.0579227	0.22418939	2.6836508	21	9 6.5	20.5
379785 2011 HG_{67}	16.2	X	333.68865	29.90804	151.60442	12.94144	0.1085962	0.17565018	3.1576960	21	1 13.3	20.6
379786 2011 HB_{68}	16.6	X	45.09591	146.20219	126.55366	3.47814	0.0585616	0.22039642	2.7143532	21	8 30.2	20.0
379787 2011 HO_{69}	16.2	X	284.02147	222.07827	24.39997	14.37030	0.1447257	0.18089192	3.0963968	21	1 31.9	21.1
379788 2011 HP_{69}	16.4	X	186.66488	321.20199	126.63413	5.27668	0.0415787	0.21156260	2.7893957	21	6 23.3	20.5
379789 2011 HQ_{69}	16.8	X	114.11408	99.90693	102.00264	4.18236	0.0128798	0.22109891	2.7086007	21	8 22.1	20.5
379790 2011 HT_{69}	17.4	X	193.72935	121.60438	36.49610	5.32074	0.1200079	0.23438732	2.6052334	21	9 29.9	21.4
379791 2011 HH_{71}	17.0	X	224.63359	84.40613	87.70579	9.41429	0.1136666	0.24520834	2.5280125	21	11 22.6	20.4
379792 2011 HO_{82}	15.4	X	291.74142	359.86825	219.56605	27.12144	0.1327727	0.17163564	3.2067448	21	—	—
379793 2011 HB_{84}	15.5	X	339.38028	136.95976	98.98029	10.07689	0.0727896	0.18922103	3.0048522	21	4 7.2	19.6
379794 2011 HC_{84}	16.8	X	228.21499	160.41849	346.98309	6.83324	0.1552124	0.24224318	2.5486000	21	10 16.3	20.5
379795 2011 HF_{84}	16.2	X	214.17748	37.24765	70.98748	14.37727	0.0989298	0.22198795	2.7013640	21	8 24.4	20.5
379796 2011 HL_{85}	17.3	X	215.17249	345.18648	145.95723	2.27616	0.1493624	0.23529453	2.5985326	21	9 14.4	21.1
379797 2011 HB_{86}	16.5	X	281.49339	96.36482	155.70068	5.07602	0.1053883	0.18124466	3.0923780	21	2 3.4	21.1
379798 2011 HL_{87}	16.3	X	175.58522	260.09139	120.52679	11.36051	0.1104455	0.18813717	3.0163818	21	3 26.3	21.2
379799 2011 HP_{93}	15.3	X	200.20297	296.10066	59.41353	16.43054	0.1060553	0.18224468	3.0810552	21	3 24.9	20.4
379800 2011 JJ_4	15.9	X	210.62740	177.29572	123.59626	8.69807	0.0174010	0.17366130	3.1817595	21	1 23.3	20.5
379801 2011 JK_6	17.2	X	209.18139	24.11992	142.71225	4.73974	0.1383162	0.24242331	2.5473373	21	10 26.6	21.0
379802 2011 JP_7	16.5	X	297.26116	88.60674	133.68585	4.83647	0.1072805	0.17436805	3.1731561	21	1 18.1	21.0
379803 2011 JS_7	15.7	X	34.31868	49.41608	79.45271	11.81414	0.0685167	0.17794245	3.1305190	21	2 10.5	19.9
379804 2011 JF_9	16.1	X	7.94913	345.50863	184.27606	10.31166	0.0282712	0.17954504	3.1118628	21	2 19.6	20.4
379805 2011 JY_{16}	16.1	X	296.30468	148.83915	112.95711	6.33193	0.1790688	0.18231276	3.0802881	21	2 24.1	20.6
379806 2011 JK_{20}	16.3	X	309.33955	119.08176	71.88458	10.75650	0.0651536	0.17084331	3.2166519	21	1 1.9	20.9
379807 2011 JB_{25}	16.5	X	6.31381	347.37613	200.58943	5.66769	0.0646135	0.18544558	3.0454985	21	3 10.0	20.4
379808 2011 JJ_{25}	16.4	X	148.46073	356.21772	53.71349	12.73612	0.0465768	0.19178696	2.9779906	21	3 29.3	20.8
379809 2011 JT_{26}	16.5	X	188.38677	31.83590	84.97977	5.81593	0.0629317	0.21569678	2.7536386	21	8 3.2	20.6
379810 2011 KO_3	16.0	X	319.35302	159.33117	49.32621	11.23320	0.0831315	0.17878861	3.1206338	21	2 4.1	20.5
379811 2011 KV_3	16.0	X	210.70430	47.99009	59.87302	12.38328	0.0551843	0.21860514	2.7291609	21	8 23.1	20.1
379812 2011 KT_4	16.4	X	96.87495	131.24389	85.33828	5.83381	0.0976233	0.21588396	2.7520467	21	8 31.6	20.4
379813 2011 KE_5	16.2	X	237.85044	99.01764	219.48802	9.30470	0.0566151	0.18172163	3.0869645	21	3 9.4	20.9
379814 2011 KT_{11}	15.1	X	269.04703	26.00269	247.88153	16.40003	0.1648156	0.17737220	3.1372251	21	2 4.4	20.4
379815 2011 KG_{18}	16.5	X	304.77967	68.19403	162.67137	0.64839	0.1165153	0.17566275	3.1575453	21	2 4.7	21.0
379816 2011 KT_{20}	16.6	X	171.75743	57.10767	74.63674	4.32526	0.1416953	0.21663737	2.7456624	21	8 3.8	21.1
379817 2011 KE_{28}	15.8	X	307.72487	353.42296	247.91277	11.66016	0.1995134	0.17906345	3.1174399	21	2 4.2	20.5
379818 2011 KC_{29}	15.5	X	341.31693	121.61300	79.93715	9.23538	0.0353200	0.17741775	3.1366882	21	3 2.3	19.9
379819 2011 KK_{34}	16.1	X	323.72557	352.07837	211.65387	10.42653	0.1002598	0.17602527	3.1532086	21	1 25.9	20.7
379820 2011 KU_{43}	16.6	X	144.90417	17.67959	76.60965	10.24243	0.0594038	0.19751241	2.9201587	21	5 16.1	20.8
379821 2011 KV_{43}	16.5	X	25.16233	308.91644	210.30674	9.05620	0.0563556	0.18269218	3.0760218	21	2 27.6	20.6
379822 2011 KV_{44}	16.4	X	3.43910	187.86462	84.93487	6.81409	0.0191635	0.20448461	2.8533976	21	6 26.1	20.0
379823 2011 KD_{45}	16.8	X	106.72794	30.01413	121.99703	3.03703	0.0847157	0.20236189	2.8733172	21	6 15.2	20.7
379824 2011 KO_{45}	16.1	X	257.11719	8.74617	87.96048	12.38586	0.1430675	0.22689062	2.6623084	21	9 24.5	20.0
379825 2011 KE_{47}	15.9	X	202.33269	146.08774	226.49131	11.75862	0.0194092	0.18693765	3.0292715	21	4 5.9	20.4
379826 2011 LW_6	16.0	X	38.76265	309.31645	211.65219	8.46142	0.0895850	0.18491876	3.0512800	21	3 23.8	19.9
379827 2011 LN_7	15.5	X	156.62239	337.68825	78.23853	12.63108	0.1350876	0.18447354	3.0561875	21	4 21.6	20.4
379828 2011 LA_8	15.5	X	99.74581	345.07645	89.34149	11.17385	0.0579073	0.17741987	3.1366632	21	3 3.5	20.0
379829 2011 LK_9	16.3	X	291.33225	67.88207	222.54147	9.32451	0.0597458	0.18965891	3.0002254	21	4 6.5	20.4
379830 2011 LU_9	15.7	X	185.13438	184.47344	212.50023	8.71913	0.0757004	0.18906477	3.0065076	21	4 18.8	20.2
379831 2011 LL_{10}	15.6	X	294.46090	13.02504	253.06815	7.82788	0.0909774	0.18134163	3.0912754	21	3 5.5	20.2
379832 2011 LA_{18}	15.4	X	88.55814	266.54596	157.70504	21.22958	0.0935621	0.16915232	3.2380540	21	2 5.4	19.9
379833 2011 LT_{22}	16.0	X	96.39747	56.52284	96.88672	3.16062	0.0524598	0.19701835	2.9250385	21	5 30.6	20.0
379834 2011 LZ_{22}	16.5	X	18.75073	198.57445	337.40809	0.70934	0.0295948	0.18145708	3.0899641	21	3 14.9	20.7
379835 2011 PE_3	13.0	X	335.29707	184.96470	93.09390	16.83892	0.1033164	0.08262719	5.2206037	21	5 27.8	19.5
379836 2011 QF	12.6	X	297.79468	44.58797	281.89968	23.83881	0.0380971	0.08195437	5.2491377	21	6 10.3	19.6
379837 2011 QP_3	12.9	X	279.26612	43.95265	294.76693	19.00685	0.0969832	0.08096146	5.2919674	21	5 23.1	20.1
379838 2011 QD_{37}	17.7	X	194.02316	312.47071	54.45812	1.19428	0.2338027	0.25799958	2.4437497	21	3 19.2	21.7
379839 2011 QQ_{42}	14.0	X	292.15661	110.26830	229.09637	10.13641	0.1076605	0.08139925	5.2729758	21	6 8.2	20.8
379840 2011 SG_{69}	14.0	X	339.02411	332.34458	327.39467	3.71900	0.0381268	0.07967703	5.3486885	21	6 28.6	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379841 2011 UV_{173}	17.7	X	6.27308	250.41966	119.34752	7.53557	0.2531372	0.30104406	2.2048684	21	12 29.9	19.8
379842 2011 UK_{178}	16.4	X	330.86490	230.13835	145.07895	2.99553	0.2440667	0.18874118	3.0099430	21	9 11.4	19.2
379843 2012 AM_{17}	18.1	X	323.62034	53.87020	294.34309	15.73807	0.0789320	0.37023031	1.9208262	21	8 11.4	19.6
379844 2012 BJ_{72}	13.4	X	55.82492	210.17141	154.80590	9.59693	0.0591475	0.08185993	5.2531742	21	12 13.4	20.3
379845 2012 BP_{84}	16.9	X	10.76336	16.34154	26.98054	1.78531	0.0903686	0.19027472	2.9937485	21	12 27.1	20.7
379846 2012 BB_{123}	16.9	X	287.83429	349.07523	120.66159	3.72064	0.0850325	0.18329019	3.0693275	21	11 18.2	20.9
379847 2012 CT_{25}	17.0	X	118.50242	42.77365	219.39893	5.98132	0.0900118	0.27510674	2.3413620	21	11 26.6	20.3
379848 2012 DB_{31}	17.6	X	175.78042	229.98925	323.48738	18.21806	0.0398101	0.37824646	1.8935908	21	11 13.1	20.1
379849 2012 DK_{38}	18.4	X	4.98196	267.31553	31.94551	21.14547	0.0627403	0.35327964	1.9817870	21	8 30.3	20.7
379850 2012 DJ_{49}	17.7	X	224.44925	171.60655	123.37264	4.53252	0.1157123	0.30695376	2.1764770	21	1 6.8	20.6
379851 2012 EB_{8}	17.8	X	174.43398	184.17259	83.46173	3.19555	0.2052623	0.28250494	2.3003046	21	—	—
379852 2012 EO_{9}	17.9	X	288.86295	228.21676	192.67481	21.63539	0.0725188	0.37158703	1.9161479	21	10 18.6	19.1
379853 2012 FO_{32}	16.3	X	19.67186	142.39279	166.66413	18.21738	0.3167540	0.24310224	2.5425924	21	10 27.3	19.1
379854 2012 FK_{74}	17.8	X	180.98501	272.54534	341.30961	1.61422	0.1791377	0.27634144	2.3343826	21	—	—
379855 2012 FN_{76}	17.5	X	274.62099	183.35082	44.48128	7.38386	0.1641268	0.30290960	2.1958063	21	—	—
379856 2012 GP_{6}	17.8	X	133.88832	335.68139	9.05874	3.56060	0.1274879	0.29503658	2.2346978	21	—	—
379857 2012 GP_{26}	17.3	X	42.36556	68.96361	20.74239	7.29911	0.0538758	0.29955901	2.2121494	21	—	—
379858 2012 GQ_{26}	17.6	X	338.18000	268.88796	222.30457	4.99144	0.1017094	0.29450883	2.2373667	21	—	—
379859 2012 GV_{31}	16.8	X	51.11629	259.39643	15.71909	7.00213	0.2051876	0.24163571	2.5528696	21	10 5.8	19.9
379860 2012 GU_{32}	17.9	X	251.16800	152.40796	140.95184	2.67456	0.1675220	0.30919033	2.1659684	21	1 29.9	21.1
379861 2012 GA_{33}	17.9	X	235.79401	39.84588	194.09920	1.94423	0.0705296	0.29132933	2.2536160	21	—	—
379862 2012 HJ	17.8	X	257.27582	312.50715	223.19521	23.97012	0.0925439	0.38767003	1.8627786	21	—	—
379863 2012 HP	17.9	X	292.54214	74.37250	48.80896	21.06525	0.0730356	0.38540886	1.8700573	21	—	—
379864 2012 HK_{3}	16.2	X	302.38402	231.56252	90.66978	10.84342	0.3099684	0.21968990	2.7201696	21	4 27.8	20.0
379865 2012 HA_{5}	17.3	X	151.04115	241.29196	52.24329	9.40837	0.2434814	0.27783950	2.3259840	21	—	—
379866 2012 HP_{14}	17.2	X	159.25609	195.26594	123.97327	7.38471	0.1423616	0.28781768	2.2719097	21	—	—
379867 2012 HC_{17}	16.7	X	283.05271	82.83097	196.26212	14.37179	0.1315108	0.20373209	2.8604197	21	2 28.6	21.0
379868 2012 HV_{22}	17.5	X	205.99337	250.50524	202.60824	21.02871	0.0815951	0.35307983	1.9825346	21	7 18.6	20.5
379869 2012 HH_{23}	16.9	X	70.76961	230.10387	111.96799	9.78496	0.2471291	0.26699997	2.3885183	21	—	—
379870 2012 HA_{26}	15.6	X	191.91519	218.05662	99.66091	16.76964	0.3030155	0.18177486	3.0863618	21	1 29.6	21.3
379871 2012 HW_{33}	17.7	X	293.65150	9.45389	48.47195	21.81030	0.0917283	0.36309282	1.9459168	21	10 24.9	19.2
379872 2012 HU_{34}	18.0	X	229.96352	150.79656	116.32759	2.78557	0.1888967	0.29511566	2.2342986	21	—	—
379873 2012 HS_{35}	17.9	X	134.14909	268.36608	133.99413	5.64289	0.0066568	0.30906007	2.1665769	21	1 28.5	20.2
379874 2012 HB_{39}	17.5	X	325.74341	3.66022	153.46735	4.52009	0.0339758	0.29634554	2.2281125	21	—	—
379875 2012 HP_{39}	16.3	X	218.40332	273.52703	4.96252	14.95895	0.3908045	0.18053457	3.1004814	21	1 3.2	22.5
379876 2012 HX_{44}	17.9	X	177.90697	75.98585	207.03475	4.95419	0.1562757	0.28150349	2.3057570	21	—	—
379877 2012 HB_{47}	18.2	X	269.09957	246.64719	209.86785	20.87241	0.0979238	0.36625634	1.9346955	21	11 5.0	19.5
379878 2012 HN_{47}	16.8	X	62.45069	40.86325	218.54957	12.07919	0.1971867	0.23837219	2.5761175	21	9 24.7	20.3
379879 2012 HB_{49}	16.1	X	302.15738	192.17145	87.49439	13.47005	0.1839566	0.20969308	2.8059504	21	3 26.3	20.2
379880 2012 HL_{51}	17.7	X	143.31196	83.38102	183.51506	2.91328	0.1624550	0.27036599	2.3686524	21	12 26.3	21.4
379881 2012 HH_{55}	16.1	X	353.26412	211.49164	129.36072	5.73199	0.2246399	0.23750760	2.5823655	21	9 27.2	18.1
379882 2012 HX_{60}	17.8	X	123.45444	83.97877	201.56501	4.65337	0.1508487	0.26739541	2.3861629	21	12 30.4	21.6
379883 2012 HV_{61}	17.5	X	203.52078	221.04937	71.64243	6.23690	0.1376758	0.29587066	2.2304960	21	—	—
379884 2012 HJ_{62}	16.7	X	353.55624	51.51154	187.63501	14.19191	0.0810306	0.22062242	2.7124992	21	4 24.9	20.0
379885 2012 HG_{63}	17.8	X	108.95811	217.80427	77.40216	3.37088	0.2026714	0.26244145	2.4160974	21	12 30.6	21.8
379886 2012 HL_{63}	17.6	X	124.63717	191.50917	102.33099	3.49886	0.1882462	0.26650633	2.3914668	21	—	—
379887 2012 HC_{67}	17.2	X	126.86545	245.18376	40.42782	7.15594	0.1077367	0.26758524	2.3850342	21	—	—
379888 2012 HH_{67}	16.9	X	13.39346	235.28936	76.05218	12.63543	0.2036268	0.23729211	2.5839286	21	9 30.9	19.7
379889 2012 HV_{67}	16.9	X	5.74896	223.60091	90.04402	7.64845	0.0984482	0.23623587	2.5916250	21	9 3.3	19.9
379890 2012 HE_{68}	17.4	X	193.11208	298.91792	202.73066	22.21695	0.0492266	0.35635062	1.9703847	21	9 19.1	19.8
379891 2012 HF_{71}	17.9	X	152.33010	211.90833	42.05502	2.20543	0.1324573	0.26742551	2.3859838	21	12 19.1	21.6
379892 2012 HO_{72}	16.5	X	269.23527	216.01230	110.46255	12.55970	0.2227406	0.21072314	2.7967989	21	4 11.2	21.1
379893 2012 HB_{73}	17.7	X	151.32183	207.44407	64.50584	3.23472	0.1899485	0.27265876	2.3553552	21	—	—
379894 2012 HN_{80}	17.9	X	33.79846	19.17712	105.41413	4.95098	0.0585043	0.30124550	2.2038854	21	—	—
379895 2012 HZ_{81}	17.1	X	169.55858	199.61842	72.91186	7.99444	0.0982034	0.27616955	2.3353512	21	—	—
379896 2012 HN_{82}	16.1	X	5.59949	133.97149	205.78349	4.49110	0.2500696	0.24066382	2.5597380	21	10 27.1	18.1
379897 2012 JF_{2}	16.3	X	41.54088	96.35913	171.36405	12.63587	0.1346878	0.23364985	2.6107125	21	8 28.0	19.4
379898 2012 JG_{4}	17.4	X	339.23791	157.55821	171.99505	7.57594	0.1895598	0.23244388	2.6197347	21	7 29.2	19.8
379899 2012 JX_{7}	17.7	X	160.48198	84.50056	258.07357	2.07711	0.1628684	0.29119023	2.2543336	21	1 7.8	20.6
379900 2012 JQ_{13}	16.8	X	308.43940	169.49221	144.81930	9.97044	0.1085844	0.21894124	2.7263671	21	5 25.7	20.5
379901 2012 JA_{16}	17.7	X	305.71212	209.73110	37.85148	1.08690	0.1090005	0.31173549	2.1541629	21	2 3.5	20.3
379902 2012 JZ_{19}	17.7	X	233.80425	109.04777	146.65148	3.88709	0.1292720	0.29180208	2.2511813	21	—	—
379903 2012 JF_{25}	16.6	X	10.71853	211.93472	71.05815	11.18946	0.1640005	0.22938129	2.6430014	21	7 31.9	19.3
379904 2012 JG_{26}	17.1	X	175.73204	118.75187	125.63323	10.15333	0.1057118	0.27005542	2.3704681	21	—	—
379905 2012 JH_{26}	16.0	X	236.02395	251.68720	43.54725	16.15518	0.2709699	0.18911499	3.0059754	21	2 6.1	21.6
379906 2012 JR_{27}	17.7	X	356.00180	163.10582	231.77209	6.13317	0.0362392	0.26198394	2.4189094	21	12 6.2	20.5
379907 2012 JJ_{34}	17.2	X	70.72103	215.78841	44.48099	4.75885	0.1633866	0.24249684	2.5468224	21	10 6.3	20.6
379908 2012 JW_{34}	16.7	X	238.11813	69.84813	233.94252	9.42785	0.0734232	0.19795373	2.9158170	21	2 15.8	21.2
379909 2012 JF_{37}	17.2	X	31.76601	184.73282	109.56443	4.05835	0.1317262	0.23734448	2.5835485	21	9 22.5	20.2
379910 2012 JN_{53}	16.8	X	309.24995	91.02665	224.57266	11.97203	0.1546144	0.21689318	2.7435031	21	5 19.3	20.1
379911 2012 JH_{58}	17.4	X	86.44413	279.80295	59.57301	4.90936	0.0812122	0.27505181	2.3416737	21	—	—
379912 2012 JZ_{58}	17.9	X	282.76977	231.37145	60.84278	1.96563	0.0879797	0.31838848	2.1240488	21	3 10.6	20.3
379913 2012 JX_{59}	18.4	X	87.53494	259.84707	66.49914	2.56270	0.1210533	0.26514658	2.3996360	21	—	—
379914 2012 JK_{63}	17.3	X	132.73971	211.58177	49.98297	6.91129	0.0920576	0.26418158	2.4054760	21	12 8.3	20.8
379915 2012 JU_{64}	17.1	X	121.01028	344.31874	209.55545	6.53762	0.0740706	0.23840430	2.5758861	21	8 23.9	20.9
379916 2012 JL_{65}	17.5	X	210.43776	241.10176	54.75547	4.07531	0.1517279	0.29125270	2.2540112	21	—	—
379917 2012 JT_{65}	16.7	X	60.61748	311.66488	64.78425	15.04231	0.1322735	0.27168493	2.3609802	21	—	—
379918 2012 JE_{66}	17.3	X	183.50352	122.44212	126.88627	5.64590	0.1985481	0.27444671	2.3451144	21	—	—
379919 2012 JG_{66}	15.7	X	18.52450	288.57032	49.64773	6.42325	0.2624806	0.24273699	2.5451424	21	11 21.1	18.4
379920 2012 KQ_{11}	16.6	X	37.89560	180.06646	132.56159	3.15487	0.1980856	0.24351024	2.5397515	21	11 7.1	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
379921 2012 KL_{15}	16.4	X	2.76534	245.76991	87.21181	11.09092	0.1803334	0.23858650	2.5745746	21	10 7.5	19.1
379922 2012 KT_{18}	16.5	X	11.13241	112.12371	146.24768	14.01663	0.1995028	0.22227095	2.6990706	21	6 23.7	19.3
379923 2012 KC_{27}	17.3	X	120.91163	274.51954	67.87972	6.36064	0.1908492	0.28017619	2.3130334	21	—	—
379924 2012 KX_{27}	16.5	X	51.13944	180.93907	94.61154	6.00759	0.1652022	0.23850395	2.5751686	21	10 2.9	19.8
379925 2012 KO_{34}	16.5	X	358.60599	159.20461	181.80614	4.61248	0.2352990	0.23727696	2.5840387	21	10 9.9	18.5
379926 2012 KZ_{42}	16.0	X	358.84041	136.99268	122.77846	14.16064	0.1292896	0.21805410	2.7337569	21	6 1.9	19.2
379927 2012 KJ_{44}	17.2	X	358.79061	63.87551	192.82700	8.64581	0.1568040	0.22354714	2.6887884	21	5 24.3	20.0
379928 2012 KW_{44}	16.5	X	51.75980	31.75740	220.36140	13.72329	0.2051203	0.23306937	2.6150455	21	8 29.3	20.0
379929 2012 KK_{49}	17.1	X	174.89971	81.65630	206.94812	6.17930	0.1040467	0.27858351	2.3218409	21	—	—
379930 2012 KX_{49}	16.0	X	216.47605	76.42451	213.56758	8.70855	0.0547875	0.18466725	3.0540498	21	1 12.8	20.7
379931 2012 LQ_{2}	17.2	X	145.71578	49.05635	253.76189	5.31606	0.1509641	0.27312252	2.3526882	21	—	—
379932 2012 LW_{2}	16.1	X	343.21852	226.37289	69.79864	15.06542	0.1722502	0.22166755	2.7039665	21	6 17.4	18.8
379933 2012 LM_{4}	15.3	X	181.80999	184.99297	120.31463	21.56765	0.2094856	0.17332635	3.1858573	21	1 6.2	20.7
379934 2012 LN_{4}	16.6	X	331.40818	63.21434	222.30136	8.14568	0.2199650	0.21691158	2.7433479	21	5 3.0	19.5
379935 2012 LM_{7}	16.9	X	5.35057	162.78553	181.59577	15.07450	0.1483817	0.24298874	2.5433841	21	10 21.9	19.6
379936 2012 LX_{7}	17.2	X	102.44310	218.10385	121.88980	6.42143	0.1587919	0.27004388	2.3705356	21	—	—
379937 2012 LG_{8}	16.4	X	325.71296	92.52975	234.19291	10.21625	0.2021373	0.22218164	2.6997938	21	6 23.9	19.4
379938 2012 LW_{9}	16.5	X	161.47485	114.68298	196.61481	21.46207	0.1850058	0.16892618	3.2409431	21	—	—
379939 2012 LV_{11}	17.6	X	189.90040	58.64157	185.45569	6.28677	0.0891132	0.27322273	2.3521129	21	—	—
379940 2012 LX_{14}	15.8	X	154.64284	121.58736	199.50469	21.41591	0.0483623	0.17416521	3.1756194	21	—	—
379941 2012 LE_{17}	16.7	X	163.24239	285.35304	300.41084	5.94209	0.0815706	0.26132651	2.4229646	21	11 24.9	20.2
379942 2012 LH_{19}	17.5	X	209.14779	48.09665	166.26190	3.11955	0.1519029	0.27222487	2.3578573	21	12 26.9	20.7
379943 2012 LK_{19}	17.9	X	115.37677	246.09148	206.12485	3.25719	0.0272229	0.31284314	2.1490753	21	3 15.9	20.3
379944 2012 LH_{23}	17.6	X	112.18764	262.39582	174.83961	3.81375	0.0620110	0.30724217	2.1751147	21	2 24.5	20.0
379945 2012 MG_{1}	17.2	X	276.05979	49.71637	97.91625	6.99242	0.0609164	0.27035829	2.3686974	21	—	—
379946 2012 MD_{9}	17.6	X	170.56449	68.96325	229.50096	5.94803	0.1260411	0.28061579	2.3106171	21	—	—
379947 2012 MP_{12}	16.0	X	25.35922	20.62370	155.97848	10.31412	0.0282456	0.19150291	2.9809347	21	3 25.2	20.0
379948 2012 MV_{12}	15.7	X	172.06812	206.08003	152.53977	11.52510	0.0984676	0.17727615	3.1383582	21	2 20.9	20.5
379949 2012 OM_{1}	13.3	X	291.73456	355.42188	342.66037	20.43149	0.0789076	0.08429197	5.1516370	21	6 7.9	20.3
379950 2012 OC_{2}	16.5	X	176.28179	51.90662	185.00052	14.89965	0.1337060	0.25566667	2.4585930	21	12 19.5	20.6
379951 2012 OY_{3}	16.7	X	6.12885	57.87289	242.36098	5.31191	0.0162476	0.21772359	2.7365227	21	8 4.3	20.3
379952 2012 PV_{14}	15.7	X	285.70987	331.03936	305.57401	6.08406	0.1193495	0.18333346	3.0688445	21	3 5.6	20.3
379953 2012 PC_{18}	15.7	X	342.69774	259.77591	338.48093	9.25796	0.0286864	0.18823311	3.0153568	21	4 9.8	19.9
379954 2012 PM_{20}	15.5	X	216.80746	13.63330	293.20717	9.42035	0.0421373	0.17265248	3.1941417	21	2 4.2	20.3
379955 2012 PC_{30}	15.3	X	268.54576	338.33761	297.17741	10.07866	0.0566347	0.18119313	3.0929642	21	2 19.9	19.9
379956 2012 PJ_{33}	16.5	X	353.37555	324.22064	279.23422	6.94423	0.2586383	0.20469334	2.8514576	21	4 9.4	19.2
379957 2012 PX_{33}	15.9	X	195.25801	54.00868	273.72918	8.07725	0.0649028	0.17248257	3.1962390	21	2 5.2	20.7
379958 2012 PB_{39}	16.0	X	158.75459	195.95645	180.03197	9.35889	0.0826911	0.17395042	3.1782329	21	2 25.9	20.7
379959 2012 QD_{2}	16.5	X	280.17629	33.01260	255.68723	4.77165	0.1212255	0.18873390	3.0100204	21	3 12.9	21.0
379960 2012 QC_{6}	16.1	X	235.01430	252.98062	74.57973	2.12910	0.1158636	0.18393785	3.0621184	21	3 17.2	20.8
379961 2012 QA_{9}	15.8	X	218.65273	75.67699	265.42018	8.09028	0.0973927	0.18222075	3.0813249	21	3 13.1	20.8
379962 2012 QZ_{21}	15.7	X	311.10901	309.65718	292.58659	4.74256	0.1778120	0.18075772	3.0979291	21	2 15.4	19.9
379963 2012 QR_{25}	16.0	X	54.88017	288.62687	253.38874	1.95262	0.1054529	0.18694501	3.0291919	21	5 18.4	19.7
379964 2012 QH_{30}	13.2	X	315.55046	3.92934	306.10480	11.88748	0.0422791	0.08584039	5.0894978	21	6 10.8	19.9
379965 2012 QV_{34}	13.4	X	350.44716	55.28854	214.74123	9.16373	0.0422235	0.08430616	5.1510588	21	6 8.3	20.1
379966 2012 QT_{35}	15.6	X	9.03432	225.49321	322.46443	7.01890	0.0317376	0.17481082	3.1677958	21	3 15.6	20.0
379967 2012 QP_{39}	15.3	X	288.36390	341.14323	282.60467	9.53805	0.0321686	0.17835137	3.1257321	21	3 3.1	19.9
379968 2012 QO_{40}	15.5	X	16.94237	220.49536	113.73920	12.68071	0.1433042	0.22559659	2.6724794	21	10 28.1	18.8
379969 2012 QG_{44}	16.3	X	194.25931	215.41022	128.37525	2.61134	0.1542173	0.17502478	3.1652136	21	2 26.9	21.4
379970 2012 RL_{26}	15.4	X	154.89862	254.29941	145.99082	5.95084	0.0223988	0.17619992	3.1511246	21	3 19.9	19.8
379971 2012 RA_{30}	16.6	X	319.06681	253.50708	152.97952	10.83960	0.2206062	0.22312325	2.6921929	21	10 13.1	19.1
379972 2012 SA_{1}	12.9	X	293.70416	148.86407	175.37788	15.89191	0.1495315	0.08126402	5.2788239	21	5 20.6	19.9
379973 2012 SQ_{21}	13.2	X	2.36204	192.51150	89.23896	5.37809	0.0153228	0.08274255	5.2157504	21	7 6.6	19.9
379974 2012 SH_{28}	13.8	X	304.70382	316.32715	20.10077	27.84512	0.0524616	0.08412485	5.1584572	21	6 25.9	20.9
379975 2012 TJ_{7}	14.1	X	254.73961	172.54152	203.23688	2.78311	0.0639586	0.08472125	5.1342202	21	6 13.0	21.1
379976 2012 TP_{7}	13.3	X	221.17874	97.97704	307.29319	8.82417	0.0751145	0.08135916	5.2747079	21	6 10.1	20.6
379977 2012 TN_{15}	12.6	X	304.64110	302.88670	31.32071	21.06614	0.1176417	0.08295396	5.2068848	21	6 12.9	19.5
379978 2012 TH_{52}	13.9	X	344.91664	349.77165	288.63578	3.41030	0.0540163	0.08102629	5.2891442	21	6 10.2	20.6
379979 2012 TM_{52}	13.3	X	276.96954	7.58815	353.18438	13.33907	0.0155990	0.08173741	5.2584224	21	6 28.1	20.4
379980 2012 TF_{78}	13.3	X	357.98326	244.68168	30.90185	18.74762	0.0787994	0.08432607	5.1502480	21	6 22.2	20.0
379981 2012 TK_{108}	16.1	X	284.68259	60.43383	205.94300	12.68149	0.1328659	0.18099417	3.0952305	21	2 17.3	20.8
379982 2012 TY_{135}	15.8	X	287.92008	188.67722	71.03214	6.05061	0.1132888	0.17109621	3.2134813	21	2 23.4	20.5
379983 2012 TJ_{144}	14.1	X	339.25893	58.43069	231.90858	11.78728	0.1360649	0.08278791	5.2138449	21	6 11.4	20.4
379984 2012 TQ_{145}	14.1	X	53.89895	252.86204	343.16500	2.14335	0.0291338	0.08197093	5.2484306	21	7 16.6	20.9
379985 2012 TM_{191}	14.0	X	351.97318	310.44548	328.63631	8.07287	0.1364971	0.08330513	5.1922417	21	6 17.9	20.2
379986 2012 TM_{241}	14.3	X	321.63796	270.20590	31.42135	8.61885	0.1859260	0.08348287	5.1848691	21	5 22.7	20.6
379987 2012 TK_{294}	16.9	X	255.62561	354.42452	249.85302	5.05657	0.1284193	0.25800289	2.4437287	21	—	—
379988 2012 TP_{308}	15.5	X	153.53485	178.98937	286.90597	10.28263	0.1000975	0.17905709	3.1175136	21	6 11.6	20.4
379989 2012 UH_{134}	15.6	X	193.23665	112.49050	308.56094	13.26252	0.0749601	0.18276005	3.0752602	21	5 25.9	20.6
379990 2012 UL_{161}	15.8	X	138.88567	214.43852	278.44646	6.12228	0.1095810	0.18007288	3.1057787	21	6 30.4	20.5
379991 2012 US_{166}	15.8	X	104.85017	220.20225	290.14747	7.62791	0.0315397	0.18227377	3.0807274	21	6 3.3	20.2
379992 2012 VZ_{111}	15.8	X	81.72425	24.12228	302.96407	13.81963	0.1330884	0.23656961	2.5891869	21	—	—
379993 2013 BU_{39}	17.6	X	50.85258	108.79085	137.34581	3.25926	0.1874692	0.28065864	2.3103819	21	8 26.5	19.9
379994 2013 CS_{1}	17.8	X	106.02338	5.70489	134.64693	2.02951	0.1268154	0.27076360	2.3663330	21	6 2.4	20.9
379995 2013 CC_{68}	16.5	X	9.83085	176.41089	244.72134	3.87456	0.0543236	0.21269465	2.7794893	21	—	—
379996 2013 CX_{126}	17.5	X	18.60996	121.33422	124.15546	4.75356	0.0989556	0.27045734	2.3681190	21	6 11.9	19.8
379997 2013 CM_{156}	13.6	X	348.27617	262.97731	146.14580	13.94809	0.1022852	0.08069271	5.3037111	21	11 13.8	20.2
379998 2013 CG_{159}	13.7	X	350.73570	256.82740	159.70116	12.90696	0.0697915	0.08244177	5.2284287	21	11 24.1	20.4
379999 2013 CY_{212}	16.8	X	20.61282	255.52554	153.31419	5.03871	0.0696362	0.21169162	2.7882621	21	—	—
380000 2013 CB_{213}	17.5	X	13.11465	7.14679	141.30427	2.07356	0.1389692	0.23698023	2.5861953	21	1 11.5	20.2