Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340001 2005 UH_{299}	17.4	X	85.49150	41.02222	58.94582	3.16908	0.1795083	0.27311611	2.3527250	21	3 16.1	19.8
340002 2005 UL_{300}	17.2	X	146.37836	280.38556	94.69426	7.30674	0.1399098	0.27249304	2.3563101	21	2 5.4	20.4
340003 2005 UJ_{305}	17.2	X	86.28152	104.35063	54.49857	5.84335	0.0696447	0.28672549	2.2776755	21	5 21.0	19.7
340004 2005 UM_{308}	17.2	X	220.57420	264.50806	48.29384	4.21870	0.1841549	0.27641988	2.3339410	21	2 1.7	21.0
340005 2005 UJ_{311}	17.2	X	246.43446	338.56433	337.87574	3.18673	0.1825527	0.28463696	2.2888036	21	2 26.3	20.6
340006 2005 UL_{311}	17.8	X	61.56562	2.50834	153.95866	2.08390	0.1513792	0.28378035	2.2934072	21	4 20.2	19.7
340007 2005 UH_{312}	17.6	X	203.88788	182.64239	158.41040	2.00603	0.1445318	0.27969473	2.3156870	21	2 18.9	21.0
340008 2005 UX_{312}	17.0	X	176.26956	95.27559	257.89752	4.61060	0.1320781	0.27497610	2.3421035	21	2 5.4	20.4
340009 2005 UL_{314}	17.5	X	185.96298	280.09380	109.09225	4.03042	0.2395480	0.28335087	2.2957240	21	4 8.9	21.3
340010 2005 UN_{318}	15.3	X	156.24039	246.95144	347.68667	2.16961	0.1487889	0.12396410	3.9835666	21	11 10.7	21.6
340011 2005 UW_{332}	17.3	X	325.19901	189.56072	61.68646	5.05697	0.1073204	0.28391140	2.2927014	21	3 15.9	19.9
340012 2005 UK_{336}	17.6	X	199.91168	156.93223	220.72152	6.08978	0.1258754	0.28227900	2.3015319	21	3 31.9	21.0
340013 2005 UR_{341}	16.9	X	117.44324	1.69937	81.77748	4.16931	0.0978846	0.27719154	2.3296074	21	3 26.8	19.8
340014 2005 UF_{344}	17.5	X	197.17832	330.50734	338.70869	3.08441	0.2957242	0.27590820	2.3368257	21	1 12.2	21.6
340015 2005 UN_{344}	17.1	X	69.67700	133.61468	20.34116	6.84320	0.0346852	0.28282322	2.2985785	21	4 12.9	19.7
340016 2005 UB_{351}	17.4	X	114.00610	218.31899	252.47513	5.95525	0.1849985	0.28165348	2.3049383	21	5 8.7	20.4
340017 2005 US_{353}	16.5	X	315.26940	312.02174	264.40248	10.00083	0.1057675	0.27300975	2.3533360	21	1 11.3	19.6
340018 2005 UO_{355}	15.9	X	76.38209	262.15838	246.51622	20.59450	0.2449031	0.27696175	2.3308958	21	5 21.9	18.4
340019 2005 UF_{369}	16.8	X	342.18927	33.16633	205.95331	7.87050	0.2170173	0.28164234	2.3049991	21	3 1.7	19.2
340020 2005 UE_{370}	17.8	X	130.07606	254.37345	124.73550	2.20855	0.1990832	0.27087573	2.3656799	21	1 29.2	20.7
340021 2005 UF_{371}	17.2	X	65.60270	261.63381	243.33077	5.10272	0.0697063	0.27776343	2.3264087	21	3 27.1	19.7
340022 2005 UE_{374}	17.0	X	104.11839	133.60907	236.30179	4.81768	0.0567766	0.26296332	2.4128997	21	—	—
340023 2005 UP_{376}	17.0	X	227.13649	48.30933	286.30577	2.62008	0.2307863	0.28312658	2.2969363	21	3 1.9	20.9
340024 2005 UO_{387}	17.0	X	149.93328	136.95284	249.08497	5.23959	0.0815373	0.27343236	2.3509106	21	2 12.3	20.2
340025 2005 UP_{393}	17.0	X	187.71162	205.83650	123.26849	5.78899	0.2494866	0.27620981	2.3351242	21	1 26.2	20.7
340026 2005 UT_{403}	17.8	X	74.25630	26.02164	86.69407	2.09748	0.1414280	0.27575050	2.3377165	21	3 7.9	19.9
340027 2005 UN_{412}	17.4	X	350.10304	6.11084	210.23605	4.77880	0.0844579	0.27698215	2.3307813	21	3 4.7	20.0
340028 2005 UV_{412}	15.6	X	330.20139	323.76880	141.29396	1.91190	0.1492366	0.12638277	3.9325792	21	12 26.3	20.3
340029 2005 UU_{427}	17.5	X	220.32860	249.57151	16.57894	3.33623	0.0504479	0.26504751	2.4002339	21	—	—
340030 2005 UG_{434}	17.9	X	161.04601	201.51588	191.87450	3.57449	0.1478493	0.27891024	2.3200272	21	3 14.9	21.3
340031 2005 UW_{437}	17.3	X	92.71581	58.41088	11.60492	2.39911	0.1786921	0.27102094	2.3648348	21	2 12.2	19.7
340032 2005 UZ_{440}	17.4	X	176.79767	0.89989	2.00090	7.41030	0.1384737	0.27717016	2.3297272	21	2 22.2	20.8
340033 2005 UG_{444}	17.5	X	145.38071	17.13864	42.34749	3.52860	0.2192794	0.27840746	2.3228195	21	4 9.9	20.9
340034 2005 UQ_{454}	17.3	X	138.99080	289.42339	126.49251	5.32231	0.1972236	0.27747951	2.3279953	21	3 29.3	20.6
340035 2005 UN_{459}	17.4	X	148.51844	158.82738	239.78661	6.23337	0.1155203	0.27522062	2.3407161	21	3 2.4	20.7
340036 2005 UL_{461}	16.9	X	62.56575	207.39711	252.93266	4.57277	0.1248951	0.26824109	2.3811450	21	1 24.1	19.3
340037 2005 UX_{476}	15.1	X	325.06151	6.87852	82.52332	5.08315	0.1535668	0.12639529	3.9323193	21	11 29.7	19.9
340038 2005 UU_{478}	18.1	X	112.11440	42.64303	22.09531	2.33282	0.1860591	0.27259685	2.3557118	21	3 6.7	21.0
340039 2005 UH_{484}	17.4	X	261.51217	187.33684	123.60472	7.92628	0.1369867	0.28604214	2.2813016	21	3 11.8	20.7
340040 2005 UN_{485}	16.8	X	224.12479	270.93838	86.41271	5.94745	0.0835099	0.28447747	2.2896589	21	4 5.3	20.0
340041 2005 UE_{490}	17.4	X	141.84347	23.69558	344.03579	6.70154	0.1199890	0.27184480	2.3600545	21	1 18.8	20.4
340042 2005 UP_{490}	17.5	X	133.62606	303.72969	124.75471	3.30283	0.1465717	0.27936983	2.3174821	21	4 1.9	20.6
340043 2005 UH_{508}	17.0	X	287.75966	193.58542	80.40775	7.85687	0.0984003	0.27944062	2.3170906	21	2 27.5	20.1
340044 2005 UO_{508}	17.3	X	52.22113	66.60233	319.75801	1.39313	0.2146937	0.25401989	2.4692074	21	—	—
340045 2005 UP_{509}	17.9	X	177.31979	197.32220	246.43605	1.65506	0.1113371	0.29192723	2.2505378	21	6 5.4	20.8
340046 2005 UY_{513}	16.8	X	311.22571	207.43972	50.86385	7.19129	0.0897170	0.27842546	2.3227194	21	3 10.4	19.7
340047 2005 UP_{530}	17.6	X	115.45070	303.76510	112.47053	2.23693	0.1677547	0.27331544	2.3515810	21	2 24.6	20.5
340048 2005 VT_{5}	19.0	X	234.81157	319.43432	221.82751	19.53987	0.2611885	0.56458805	1.4498228	21	—	—
340049 2005 VK_{15}	17.4	X	156.85659	98.00843	294.59551	0.99703	0.2175848	0.27735253	2.3287058	21	3 16.1	21.1
340050 2005 VL_{16}	17.0	X	184.47865	336.25815	61.38677	8.24863	0.0835068	0.28344162	2.2952340	21	4 14.1	20.2
340051 2005 VK_{20}	17.7	X	209.50150	152.40878	138.11556	2.61483	0.2062981	0.27237709	2.3569788	21	—	—
340052 2005 VC_{23}	16.9	X	202.72881	234.47077	67.15098	5.04002	0.1199959	0.27204343	2.3589056	21	—	—
340053 2005 VB_{24}	17.4	X	226.78775	77.63499	233.15622	6.08235	0.1226482	0.27659374	2.3329628	21	2 1.3	21.0
340054 2005 VT_{24}	17.8	X	75.58321	267.43438	230.84618	6.56247	0.0603321	0.27977469	2.3152458	21	4 1.0	20.4
340055 2005 VX_{29}	17.5	X	46.92103	71.61312	88.82441	2.85938	0.1494489	0.27465300	2.3439400	21	3 29.8	19.4
340056 2005 VG_{30}	17.6	X	160.59840	149.23454	207.92657	3.94104	0.2459294	0.27307955	2.3529350	21	2 5.4	21.2
340057 2005 VP_{31}	17.8	X	210.96299	222.26098	78.45291	3.71881	0.1736523	0.27097235	2.3651176	21	1 9.1	21.5
340058 2005 VY_{32}	17.3	X	169.92560	151.65107	221.91129	4.55513	0.2421803	0.27673325	2.3321787	21	3 4.3	21.2
340059 2005 VX_{33}	17.0	X	160.81602	333.78201	79.81680	7.41569	0.0900813	0.27955250	2.3164724	21	4 9.6	20.2
340060 2005 VA_{40}	17.4	X	115.75606	349.20064	107.17728	6.96644	0.0897817	0.27984174	2.3148760	21	4 11.5	20.3
340061 2005 VE_{40}	18.0	X	88.09028	293.38836	230.57967	2.69134	0.1411058	0.28562910	2.2835003	21	6 13.1	20.7
340062 2005 VX_{41}	17.6	X	101.98413	319.96950	118.15580	2.54641	0.2702806	0.27340106	2.3510900	21	3 25.1	20.4
340063 2005 VK_{47}	17.6	X	149.40916	186.27920	187.98983	2.02842	0.2175004	0.27442039	2.3452644	21	2 14.1	21.1
340064 2005 VH_{51}	17.9	X	142.53377	241.45328	172.72037	5.61826	0.2312333	0.27835099	2.3231337	21	4 1.5	21.3
340065 2005 VC_{56}	17.5	X	184.96765	286.85187	85.09700	5.26301	0.1383319	0.27933901	2.3176525	21	3 14.5	21.0
340066 2005 VD_{56}	15.0	X	266.36929	317.97544	200.65169	9.14650	0.1732294	0.12460183	3.9699628	21	11 26.2	20.6
340067 2005 VB_{67}	17.5	X	135.30231	153.70981	237.55381	6.34158	0.1233501	0.27320387	2.3522211	21	2 6.6	20.6
340068 2005 VV_{71}	17.6	X	72.28907	333.37264	113.85019	2.26116	0.1601424	0.26865619	2.3786916	21	1 28.3	19.5
340069 2005 VW_{78}	17.1	X	168.55735	150.93456	258.44493	5.43809	0.2668257	0.28065821	2.3103843	21	4 17.6	21.0
340070 2005 VH_{81}	17.9	X	74.72093	199.36470	229.56131	0.58409	0.1367889	0.26598519	2.3945895	21	1 3.7	20.2
340071 Vanmunster	17.4	X	166.93406	211.28341	141.07599	5.17260	0.1427403	0.27364312	2.3497033	21	1 28.1	20.6
340072 2005 VO_{107}	18.0	X	70.21079	180.15753	296.32556	2.55228	0.1547379	0.27302143	2.3532689	21	3 6.0	20.3
340073 2005 VV_{113}	17.4	X	329.56384	185.74611	341.15548	2.43408	0.1269089	0.26242433	2.4162024	21	—	—
340074 2005 VA_{118}	15.9	X	137.73273	251.05270	304.35866	12.81139	0.1268620	0.22399917	2.6851700	21	9 12.3	20.4
340075 2005 WQ_{5}	17.6	X	80.65162	83.64463	56.19438	5.40834	0.1623938	0.27782489	2.3260655	21	5 1.5	20.0
340076 2005 WX_{6}	17.1	X	219.49431	266.20700	67.54557	7.10450	0.1791220	0.27937119	2.3174745	21	2 28.2	20.9
340077 2005 WP_{7}	17.5	X	49.17665	34.92316	62.98831	2.35254	0.1454326	0.26529536	2.3987387	21	—	—
340078 2005 WM_{10}	17.2	X	355.18747	90.29980	55.67522	3.57760	0.1236930	0.26471225	2.4022601	21	—	—
340079 2005 WH_{17}	18.3	X	62.82810	245.69629	215.07866	0.75331	0.1258098	0.26848238	2.3797182	21	1 26.3	20.3
340080 2005 WA_{25}	17.4	X	147.08018	38.87875	353.15306	2.04178	0.2087309	0.27448006	2.3449244	21	3 6.1	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340081 2005 WC_{25}	17.2	X	321.36463	259.42012	278.91445	4.20245	0.0979826	0.26332944	2.4106627	21	—	—
340082 2005 WF_{26}	15.5	X	349.57163	72.96876	4.08417	2.58886	0.1935073	0.12557894	3.9493430	21	12 26.2	20.0
340083 2005 WK_{27}	17.6	X	30.63949	160.52258	332.63557	0.88463	0.1383621	0.26700001	2.3885181	21	1 12.8	19.8
340084 2005 WR_{28}	17.8	X	224.13134	271.68885	38.78327	3.70794	0.1110784	0.27362638	2.3497991	21	2 2.4	21.3
340085 2005 WZ_{28}	17.8	X	56.91299	98.95327	11.26161	1.71230	0.1641528	0.26835504	2.3804709	21	2 1.7	19.7
340086 2005 WL_{33}	14.6	X	343.36841	21.46088	67.89061	11.12131	0.2276117	0.12471596	3.9675403	21	12 30.1	19.0
340087 2005 WE_{38}	17.4	X	146.84490	303.85239	98.00580	2.44785	0.1956306	0.27493896	2.3423144	21	3 18.2	20.7
340088 2005 WV_{39}	17.5	X	345.72551	89.80811	69.12417	2.51527	0.1309442	0.26277231	2.4140689	21	—	—
340089 2005 WZ_{42}	17.3	X	155.01673	113.07794	266.48171	3.54208	0.2415405	0.27406817	2.3472733	21	2 27.2	20.9
340090 2005 WW_{47}	17.6	X	286.59702	146.91691	39.42175	1.74693	0.1241873	0.25795608	2.4440244	21	—	—
340091 2005 WZ_{47}	17.1	X	56.52967	67.52166	62.52232	6.66958	0.0429039	0.27250567	2.3562373	21	2 24.1	19.9
340092 2005 WK_{55}	17.8	X	188.52144	321.90456	40.29229	0.46460	0.2359203	0.27799194	2.3251336	21	3 7.1	21.5
340093 2005 WR_{56}	17.0	X	312.33902	272.59895	90.17351	4.74816	0.2524328	0.29958916	2.2120010	21	7 16.1	18.4
340094 2005 WM_{67}	17.7	X	118.35228	202.97577	237.12028	4.31848	0.2031930	0.27520132	2.3408255	21	4 4.3	20.9
340095 2005 WY_{70}	17.3	X	49.78260	76.59827	53.40870	6.00673	0.1791559	0.26936624	2.3745097	21	2 20.9	19.2
340096 2005 WS_{73}	16.7	X	53.86570	91.34364	53.57146	7.49752	0.0518663	0.27537554	2.3398381	21	3 13.8	19.4
340097 2005 WF_{75}	17.7	X	35.25235	170.41695	333.92378	2.37169	0.1081620	0.27203528	2.3589527	21	2 7.2	19.7
340098 2005 WQ_{96}	17.9	X	158.04978	272.69564	108.23098	2.39082	0.1937026	0.27371215	2.3493082	21	3 2.3	21.4
340099 2005 WV_{100}	17.3	X	146.22140	324.09921	82.61992	3.15127	0.2263673	0.27611776	2.3356431	21	3 27.1	20.8
340100 2005 WO_{105}	17.3	X	83.50344	354.79129	74.85735	5.22492	0.2265563	0.26680120	2.3897045	21	2 5.3	19.5
340101 2005 WO_{108}	17.4	X	67.62947	358.04707	89.61740	2.39807	0.1436702	0.26721236	2.3872525	21	1 18.6	19.4
340102 2005 WS_{109}	15.2	X	340.71453	221.50397	232.55096	1.83732	0.2134469	0.12575777	3.9455981	21	12 30.8	19.6
340103 2005 WE_{116}	17.1	X	76.83457	15.49530	107.51477	5.91269	0.1573479	0.27284857	2.3542627	21	4 2.4	19.5
340104 2005 WR_{117}	17.7	X	117.04855	94.04003	8.00576	4.69668	0.1841631	0.27787147	2.3258056	21	4 29.9	20.8
340105 2005 WC_{118}	17.3	X	129.95377	40.48713	25.70008	5.73639	0.1852951	0.27617099	2.3353430	21	3 30.3	20.4
340106 2005 WW_{120}	18.0	X	137.25506	200.66851	214.74952	0.81375	0.1845263	0.27552296	2.3390034	21	3 22.9	21.3
340107 2005 WY_{128}	15.6	X	336.07656	27.48674	63.97123	0.21968	0.2129483	0.12544668	3.9521182	21	12 18.7	20.0
340108 2005 WY_{139}	17.7	X	324.60353	92.44491	52.11883	2.35456	0.1219636	0.25650529	2.4532313	21	—	—
340109 2005 WC_{147}	17.3	X	183.56402	227.74407	62.67556	4.86312	0.0775752	0.26093381	2.4253950	21	—	—
340110 2005 WO_{147}	17.3	X	195.47747	238.63850	147.15095	6.54249	0.1332239	0.28205922	2.3027273	21	4 11.1	20.7
340111 2005 WZ_{155}	15.0	X	334.57436	292.57746	162.87088	9.90288	0.2576112	0.12485609	3.9645713	21	12 20.0	19.3
340112 2005 WY_{164}	16.8	X	172.45411	22.93023	264.93770	3.20765	0.1393020	0.26148537	2.4219831	21	—	—
340113 2005 WM_{168}	16.9	X	344.51709	62.57397	91.48820	6.15096	0.1000375	0.26185712	2.4196903	21	—	—
340114 2005 WW_{170}	16.8	X	263.62682	162.09773	83.24027	8.34872	0.0727384	0.26434423	2.4044891	21	—	—
340115 2005 WE_{176}	18.0	X	162.30270	68.16195	302.63112	3.68140	0.2174628	0.27190700	2.3596945	21	2 21.9	21.7
340116 2005 WF_{192}	17.2	X	94.97735	354.58216	134.89721	7.23209	0.1805325	0.27783319	2.3260192	21	5 13.4	20.1
340117 2005 WT_{192}	17.0	X	172.05831	60.87145	356.40582	8.03217	0.1561058	0.28221221	2.3018950	21	4 24.4	20.6
340118 2005 WW_{192}	17.4	X	63.00867	319.59147	148.56016	4.61253	0.2100302	0.26966184	2.3727741	21	2 15.7	18.9
340119 2005 WO_{193}	17.6	X	119.36068	50.72663	26.38655	3.50725	0.2022170	0.27416725	2.3467077	21	4 3.4	20.7
340120 2005 WL_{197}	17.7	X	49.54794	154.41725	318.85000	1.53008	0.1412148	0.26751128	2.3854738	21	1 20.6	19.7
340121 2005 WX_{199}	15.1	X	331.11582	203.25258	260.86695	7.92435	0.1301719	0.12416896	3.9791840	21	12 26.3	20.0
340122 2005 WG_{201}	17.4	X	75.17617	185.29914	281.87503	5.41237	0.0721946	0.27141110	2.3625680	21	2 17.6	20.0
340123 2005 WY_{207}	17.6	X	104.72290	202.30161	208.38615	0.83830	0.1806664	0.26326809	2.4110371	21	2 4.8	20.4
340124 2005 XD_{3}	17.2	X	66.65695	39.90839	79.90302	6.30713	0.1810120	0.27088370	2.3656335	21	3 13.9	19.4
340125 2005 XH_{5}	15.2	X	37.63057	303.44610	331.12369	32.92865	0.2481887	0.21326793	2.7745061	21	9 7.1	18.6
340126 2005 XQ_{16}	17.7	X	119.98066	320.65990	92.22518	4.15159	0.1659681	0.26984681	2.3716896	21	2 27.5	20.6
340127 2005 XG_{18}	17.2	X	344.50542	23.98654	111.68245	3.38905	0.1469779	0.25628183	2.4546571	21	—	—
340128 2005 XX_{28}	17.5	X	23.70808	132.40396	303.04417	2.01487	0.1508712	0.25807065	2.4433010	21	—	—
340129 2005 XL_{36}	17.8	X	86.06798	359.25020	62.24212	2.25045	0.1712134	0.26514791	2.3996279	21	1 19.2	20.0
340130 2005 XK_{41}	18.2	X	86.99680	95.69987	350.92532	2.98712	0.1923639	0.26867250	2.3785954	21	2 28.8	20.5
340131 2005 XY_{51}	17.9	X	106.89702	67.92971	33.09405	3.06248	0.1645045	0.27351266	2.3504504	21	4 14.7	20.8
340132 2005 XT_{73}	17.1	X	11.35820	78.38317	355.95552	4.00608	0.1312396	0.25310634	2.4751453	21	—	—
340133 2005 XD_{82}	17.5	X	184.94027	212.87345	105.34126	3.59063	0.1979622	0.26780172	2.3837487	21	1 8.9	21.1
340134 2005 XG_{84}	16.9	X	165.85325	50.94631	345.49660	5.98134	0.1849680	0.27760680	2.3272837	21	3 26.0	20.6
340135 2005 XH_{117}	17.1	X	251.16904	24.80317	263.17176	5.70593	0.1042146	0.27203604	2.3589483	21	1 30.3	20.5
340136 2005 YK_{6}	16.7	X	88.30835	120.75245	304.65209	10.11496	0.1477465	0.26747022	2.3857179	21	1 24.2	19.1
340137 2005 YS_{13}	17.2	X	180.80199	31.73493	291.23966	5.43842	0.1006501	0.26027751	2.4294704	21	1 4.8	20.7
340138 2005 YK_{24}	16.9	X	5.12749	9.20013	105.41305	8.62825	0.1418021	0.25644193	2.4536354	21	—	—
340139 2005 YX_{24}	17.1	X	120.84045	241.61753	104.02229	3.34424	0.2287593	0.25838804	2.4412997	21	—	—
340140 2005 YW_{25}	17.7	X	342.10066	55.68884	114.13001	3.06148	0.1221350	0.25905582	2.4371026	21	—	—
340141 2005 YQ_{33}	17.6	X	101.56698	284.77162	115.66071	3.23272	0.2115912	0.26427156	2.4049299	21	1 22.1	20.1
340142 2005 YM_{39}	17.0	X	0.86547	136.71690	14.15326	3.44158	0.1307123	0.25973746	2.4328369	21	—	—
340143 2005 YV_{42}	17.4	X	87.34657	321.06193	116.82194	5.54018	0.2067606	0.26620582	2.3932663	21	2 20.9	19.7
340144 2005 YJ_{43}	16.5	X	130.26566	1.41284	109.59962	25.24041	0.1788420	0.27756513	2.3275166	21	6 3.7	20.3
340145 2005 YG_{52}	16.3	X	74.17684	12.63250	285.51885	6.86763	0.2322488	0.23587147	2.5942935	21	12 1.8	20.4
340146 2005 YH_{52}	17.6	X	56.34848	328.90481	179.67898	1.74558	0.1539995	0.26885405	2.3775245	21	3 30.5	19.6
340147 2005 YA_{54}	17.9	X	85.79731	277.84009	126.79826	1.89430	0.1825074	0.26120319	2.4237272	21	—	—
340148 2005 YG_{62}	14.8	X	10.54387	344.87370	80.23572	4.01143	0.1996329	0.12442369	3.9737511	21	—	—
340149 2005 YL_{63}	16.9	X	18.34325	150.18776	287.26086	5.62573	0.1160849	0.25423553	2.4678110	21	—	—
340150 2005 YB_{71}	17.2	X	226.14940	15.33928	264.29304	2.30126	0.0955579	0.25856569	2.4401814	21	—	—
340151 2005 YX_{73}	17.1	X	59.22182	189.80617	296.23355	6.62428	0.0403650	0.26871171	2.3783640	21	2 17.3	19.8
340152 2005 YV_{82}	16.5	X	187.70456	132.21573	118.87320	11.61544	0.1806413	0.24516896	2.5282832	21	—	—
340153 2005 YP_{83}	18.2	X	139.92445	224.66817	159.54694	1.49612	0.1908628	0.26725385	2.3870054	21	2 15.3	21.3
340154 2005 YN_{89}	17.8	X	47.00846	158.27909	282.28527	3.12731	0.1536516	0.25893581	2.4378555	21	—	—
340155 2005 YW_{92}	17.9	X	126.90220	124.24580	270.12594	3.30787	0.1280797	0.26561478	2.3968152	21	2 3.9	21.0
340156 2005 YR_{97}	17.3	X	103.26284	98.06068	85.66094	7.08090	0.1129918	0.28422259	2.2910276	21	7 29.7	20.3
340157 2005 YG_{99}	17.5	X	59.62901	104.66290	25.39420	2.12971	0.1388630	0.27072134	2.3665792	21	3 6.9	19.7
340158 2005 YD_{100}	17.7	X	49.63250	90.55103	3.63390	2.00273	0.2014810	0.26213356	2.4179889	21	—	—
340159 2005 YQ_{103}	17.1	X	307.72427	240.15496	277.54809	5.32508	0.1241168	0.25297670	2.4759908	21	—	—
340160 2005 YV_{112}	17.3	X	138.38720	98.54973	273.96993	2.36346	0.1425915	0.26537306	2.3982704	21	1 23.3	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340161 2005 YE_{114}	17.2	X	111.66725	344.06967	26.57667	3.06689	0.1879203	0.26004163	2.4309394	21	—	—
340162 2005 YD_{120}	16.6	X	194.93719	83.42153	120.92632	5.39901	0.0996079	0.24022391	2.5628620	21	11 29.8	20.4
340163 2005 YO_{133}	16.8	X	116.84924	53.32716	300.16146	7.13736	0.1248017	0.25882951	2.4385230	21	—	—
340164 2005 YY_{138}	16.3	X	124.33205	338.02084	296.08132	12.38198	0.1499552	0.24001966	2.5643158	21	12 13.8	20.4
340165 2005 YS_{140}	17.9	X	125.40434	103.38766	305.22274	4.25627	0.2264922	0.26985568	2.3716377	21	3 5.4	21.2
340166 2005 YM_{144}	18.2	X	56.80390	141.86839	336.92652	2.09764	0.1512731	0.26448753	2.4036206	21	2 14.4	20.4
340167 2005 YE_{146}	17.2	X	168.27014	252.16050	83.02773	6.51871	0.1827882	0.26327408	2.4110006	21	1 14.4	20.9
340168 2005 YA_{148}	17.1	X	51.97575	72.05819	353.75102	2.65901	0.1592368	0.25800567	2.4437112	21	—	—
340169 2005 YH_{151}	17.7	X	44.04237	64.66534	35.20596	2.50840	0.1847832	0.26057118	2.4276447	21	—	—
340170 2005 YT_{151}	17.3	X	358.92156	92.39650	33.68623	2.62049	0.1490619	0.25656002	2.4528824	21	—	—
340171 2005 YU_{153}	16.9	X	51.35825	152.01753	314.56528	9.23659	0.1621289	0.26263337	2.4149202	21	1 17.5	18.8
340172 2005 YJ_{166}	16.4	X	307.36012	43.75248	138.25216	6.80887	0.0701069	0.25677937	2.4514853	21	—	—
340173 2005 YD_{173}	16.8	X	51.64475	172.70015	297.28370	7.98077	0.1877818	0.26588920	2.3951658	21	1 21.8	18.5
340174 2005 YT_{176}	16.5	X	130.87005	336.76747	295.23970	3.90724	0.1406681	0.24098391	2.5574708	21	12 16.9	20.5
340175 2005 YK_{178}	16.9	X	320.00365	6.14536	160.42714	2.60934	0.1420574	0.25467760	2.4649544	21	—	—
340176 2005 YL_{182}	17.6	X	79.25670	326.40068	128.48240	9.56234	0.2313763	0.26702008	2.3883984	21	3 8.9	19.9
340177 2005 YM_{182}	16.3	X	195.37889	249.96321	270.81833	12.42651	0.2005551	0.23113040	2.6296503	21	9 21.6	21.0
340178 2005 YS_{182}	16.5	X	359.55535	56.92950	111.30347	9.76939	0.1415588	0.26352441	2.4094735	21	1 7.7	18.8
340179 2005 YN_{188}	18.4	X	31.78891	70.72826	36.57903	1.69392	0.1486298	0.25850116	2.4405875	21	—	—
340180 2005 YQ_{188}	17.1	X	105.57688	206.73045	104.20715	3.86659	0.1424484	0.24328985	2.5412851	21	—	—
340181 2005 YY_{188}	17.8	X	101.59185	300.73565	131.70033	23.36720	0.0676187	0.39010056	1.8550331	21	1 10.9	19.3
340182 2005 YO_{192}	17.2	X	72.86106	311.85717	104.41003	2.86745	0.1709217	0.25878241	2.4388189	21	—	—
340183 2005 YX_{192}	16.6	X	275.08177	276.83663	309.43909	5.46947	0.0926825	0.25554244	2.4593898	21	—	—
340184 2005 YN_{196}	15.6	X	17.57631	334.22510	80.43048	2.39880	0.2104174	0.12562309	3.9484174	21	—	—
340185 2005 YT_{203}	17.6	X	161.91821	76.93357	273.41196	1.00992	0.1637026	0.26424172	2.4051110	21	1 24.2	21.2
340186 2005 YX_{206}	18.1	X	92.22054	150.54813	258.47357	1.33585	0.1774799	0.26203715	2.4185819	21	1 13.4	20.5
340187 2005 YE_{219}	16.4	X	175.06757	32.22612	285.71814	8.39360	0.2342640	0.26491256	2.4010490	21	1 3.1	20.2
340188 2005 YJ_{230}	17.4	X	352.33112	85.11822	81.30394	3.57240	0.1393153	0.26105347	2.4246538	21	—	—
340189 2005 YP_{230}	17.0	X	129.19423	222.93627	96.61084	7.80531	0.1526220	0.25184220	2.4834212	21	—	—
340190 2005 YT_{240}	17.5	X	136.33678	348.39602	9.22419	3.19208	0.2032518	0.26109923	2.4243705	21	1 11.9	20.8
340191 2005 YS_{266}	17.7	X	124.88236	112.24999	272.51918	2.26192	0.1063847	0.26501013	2.4004596	21	1 17.1	20.5
340192 2005 YP_{267}	17.6	X	135.29475	64.98368	294.09002	5.66823	0.1870864	0.26103394	2.4247747	21	1 9.8	20.7
340193 2005 YB_{268}	16.1	X	68.66480	355.84886	295.41544	15.50468	0.1537086	0.23253250	2.6190690	21	11 3.3	20.1
340194 2005 YE_{271}	17.5	X	30.74361	321.83384	136.64772	5.16336	0.0781516	0.25712217	2.4493059	21	—	—
340195 2005 YA_{275}	16.8	X	69.91547	231.71177	233.92419	8.82803	0.1217802	0.26334207	2.4105856	21	2 12.2	19.5
340196 2005 YX_{275}	17.4	X	101.05614	2.62738	81.73568	3.32261	0.1818872	0.27111677	2.3642776	21	3 19.1	20.1
340197 2005 YL_{290}	17.5	X	265.40397	198.75533	308.76993	0.41815	0.0206829	0.24239604	2.5475284	21	12 24.8	20.6
340198 2005 YV_{291}	17.1	X	336.91584	342.02422	155.86745	6.22979	0.0735691	0.25316305	2.4747757	21	—	—
340199 2006 AQ_{5}	16.8	X	48.92841	50.62125	53.90901	11.42984	0.1999475	0.26112976	2.4241815	21	1 10.5	18.8
340200 2006 AL_{9}	17.1	X	163.86266	121.56396	229.86962	5.33890	0.1514828	0.26492351	2.4009828	21	1 24.7	20.7
340201 2006 AB_{15}	16.8	X	75.95236	53.38272	300.89032	13.38166	0.0861869	0.24653834	2.5189124	21	—	—
340202 2006 AZ_{15}	17.0	X	140.92563	71.01117	289.09918	6.05440	0.2437645	0.26445579	2.4038129	21	1 23.3	20.5
340203 2006 AR_{19}	17.9	X	81.24375	108.09829	353.75961	1.36388	0.1552975	0.26854340	2.3793577	21	3 6.7	20.4
340204 2006 AD_{33}	16.5	X	164.81709	359.89905	337.77279	4.73905	0.2447024	0.26537048	2.3982860	21	1 19.6	20.2
340205 2006 AE_{33}	16.2	X	293.49807	260.33498	302.30222	9.99327	0.1152010	0.25723075	2.4486166	21	—	—
340206 2006 AF_{33}	17.6	X	49.42086	61.80342	65.43683	5.64167	0.1967004	0.26567575	2.3964485	21	2 17.5	19.4
340207 2006 AA_{34}	17.6	X	57.75594	100.38867	349.03348	8.03191	0.2333196	0.26197690	2.4189528	21	1 10.3	19.3
340208 2006 AA_{40}	16.5	X	121.00789	292.35426	308.78895	10.68083	0.0935336	0.23112849	2.6296648	21	10 22.1	20.7
340209 2006 AY_{52}	18.2	X	87.61829	225.05151	218.36264	1.89435	0.1731812	0.26611778	2.3937941	21	2 21.2	20.7
340210 2006 AU_{54}	18.0	X	112.39126	166.19923	215.74942	3.02187	0.2334681	0.26220029	2.4175786	21	1 16.3	20.7
340211 2006 AR_{61}	18.1	X	53.05155	262.86011	171.21136	2.41979	0.1792143	0.25870561	2.4393015	21	—	—
340212 2006 AW_{69}	17.0	X	89.95990	335.11346	35.44267	3.17414	0.1951374	0.25591737	2.4569871	21	—	—
340213 2006 AK_{72}	16.8	X	298.18128	66.30134	129.66471	6.84783	0.0934197	0.25502952	2.4626862	21	—	—
340214 2006 AV_{74}	16.2	X	234.07354	210.34128	31.72369	7.02676	0.1007434	0.25256493	2.4786813	21	—	—
340215 2006 AO_{84}	15.0	X	33.53707	5.63946	46.23647	9.33905	0.3053283	0.12603270	3.9398578	21	—	—
340216 2006 AA_{93}	17.1	X	91.99184	326.56423	324.49479	3.38264	0.1862988	0.23680426	2.5874763	21	12 5.8	21.1
340217 2006 AJ_{96}	16.2	X	226.01617	146.31418	37.20297	13.69812	0.0889360	0.24081075	2.5586967	21	12 7.4	19.8
340218 2006 AP_{98}	15.9	X	239.04549	350.91835	149.95726	33.81154	0.1551403	0.23168233	2.6254723	21	10 29.4	20.3
340219 2006 AQ_{105}	17.4	X	354.68287	199.38897	318.66024	4.23981	0.1415753	0.25699319	2.4501253	21	—	—
340220 2006 BP	16.2	X	262.55959	206.73131	318.83321	12.51217	0.0906700	0.24189499	2.5510451	21	—	—
340221 2006 BV_{11}	17.3	X	0.07823	2.47340	118.65995	2.44878	0.1383512	0.25504073	2.4626140	21	—	—
340222 2006 BM_{24}	17.6	X	95.01236	284.35313	147.18655	2.57579	0.0977104	0.26414270	2.4057120	21	2 5.7	20.1
340223 2006 BS_{32}	16.7	X	156.62529	91.30820	138.91659	5.65928	0.0658194	0.23183627	2.6243100	21	11 21.9	20.6
340224 2006 BY_{50}	14.8	X	3.48468	161.33540	269.64144	1.58654	0.2071409	0.12544343	3.9521866	21	—	—
340225 2006 BR_{54}	17.9	X	74.16131	98.14363	334.22918	3.42955	0.1605965	0.25784489	2.4447270	21	1 13.8	20.2
340226 2006 BV_{60}	16.4	X	65.58408	66.84418	115.74163	24.47963	0.2527193	0.27304332	2.3531431	21	6 28.3	19.1
340227 2006 BZ_{62}	16.4	X	273.74254	334.96138	140.67946	15.21460	0.0563269	0.23581521	2.5947061	21	11 23.2	20.0
340228 2006 BZ_{65}	17.2	X	110.86880	38.60992	340.35739	4.79936	0.1202233	0.25718907	2.4488811	21	—	—
340229 2006 BS_{68}	17.8	X	96.35776	307.64336	103.66200	2.97018	0.2131687	0.26264643	2.4148401	21	1 30.0	20.2
340230 2006 BN_{72}	17.1	X	202.95252	223.64634	341.34105	8.50463	0.1032933	0.23792796	2.5793230	21	12 6.4	21.0
340231 2006 BH_{74}	17.5	X	324.32162	127.69529	54.44161	3.41901	0.0982976	0.25590406	2.4570723	21	—	—
340232 2006 BP_{77}	16.9	X	107.54759	279.80693	158.62650	11.79356	0.2607748	0.26855024	2.3793172	21	4 2.3	20.0
340233 2006 BM_{80}	16.3	X	113.42819	133.95537	103.51559	7.15326	0.0626943	0.22494319	2.6776521	21	10 14.9	20.2
340234 2006 BH_{81}	16.5	X	101.32691	235.17152	1.16389	7.85045	0.0868302	0.22227336	2.6990511	21	9 27.6	20.3
340235 2006 BL_{81}	16.5	X	89.63392	287.70292	351.01636	12.61043	0.1868434	0.22607545	2.6687043	21	11 13.3	20.9
340236 2006 BE_{85}	13.6	X	330.99630	285.65820	354.99771	3.48131	0.1229244	0.08310550	5.2005533	21	5 19.3	20.0
340237 2006 BU_{85}	16.5	X	149.42567	228.42249	322.79116	8.72112	0.0537026	0.22850162	2.6497802	21	9 19.9	20.4
340238 2006 BL_{88}	17.2	X	97.05710	224.73565	112.10489	2.85537	0.2291900	0.24608673	2.5219932	21	—	—
340239 2006 BA_{91}	17.4	X	246.35892	224.10495	285.93372	2.20162	0.0160911	0.23636919	2.5906504	21	12 2.2	20.6
340240 2006 BJ_{93}	16.5	X	87.01060	233.22544	130.57374	3.83870	0.0718397	0.24526700	2.5276094	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340241 2006 BK_{93}	17.2	X	155.31946	229.45264	348.04618	4.74200	0.1375114	0.22848161	2.6499350	21	10 31.5	21.5
340242 2006 BB_{100}	16.7	X	53.77534	344.82772	54.74497	8.51725	0.2374155	0.25345110	2.4729002	21	—	—
340243 2006 BZ_{109}	17.2	X	83.24608	23.26022	7.26859	2.51728	0.1969228	0.25548578	2.4597533	21	—	—
340244 2006 BR_{115}	16.8	X	137.46623	352.18325	251.39235	1.86629	0.0445478	0.23263261	2.6183176	21	11 15.3	20.4
340245 2006 BW_{115}	16.5	X	18.40546	35.81551	266.05642	1.75064	0.0744530	0.22154287	2.7049809	21	8 30.3	19.8
340246 2006 BU_{117}	17.3	X	104.84728	72.77298	337.43100	4.79965	0.2226010	0.26443140	2.4039607	21	2 11.9	20.0
340247 2006 BP_{118}	16.5	X	154.39382	101.89255	203.18667	2.46629	0.1281952	0.24553560	2.5257658	21	—	—
340248 2006 BB_{121}	16.4	X	14.04568	38.26059	317.98403	14.63548	0.1539863	0.23303761	2.6152831	21	11 13.9	19.7
340249 2006 BG_{123}	17.0	X	201.26638	245.23957	328.63921	3.68145	0.0528245	0.23791439	2.5794211	21	12 22.6	20.5
340250 2006 BK_{124}	17.6	X	356.08672	118.99375	331.98731	10.60533	0.1332975	0.24678899	2.5172066	21	—	—
340251 2006 BB_{128}	16.4	X	94.40834	157.88497	156.74625	12.49701	0.1953854	0.23631031	2.5910807	21	—	—
340252 2006 BB_{130}	17.2	X	33.29146	302.98415	158.28519	6.53996	0.0927817	0.25391765	2.4698702	21	—	—
340253 2006 BJ_{131}	17.7	X	0.52582	353.61049	95.81190	0.91844	0.0549714	0.24562266	2.5251689	21	—	—
340254 2006 BL_{133}	16.4	X	230.02173	228.78746	322.77149	8.81585	0.1409917	0.23768055	2.5811126	21	12 16.9	20.1
340255 2006 BK_{136}	17.9	X	37.33633	116.77526	16.56018	1.64625	0.1293117	0.26252768	2.4155682	21	1 28.5	20.0
340256 2006 BW_{139}	16.9	X	92.58271	38.71173	340.35423	6.42959	0.1338676	0.25640854	2.4538484	21	—	—
340257 2006 BU_{142}	16.5	X	112.40575	147.19084	146.98414	9.19837	0.0680727	0.23582183	2.5946575	21	12 22.4	20.3
340258 2006 BF_{148}	18.1	X	112.29782	139.08158	343.00560	24.04115	0.0609443	0.40153898	1.8196348	21	4 5.4	20.2
340259 2006 BG_{151}	16.8	X	173.61247	262.48379	65.52694	3.30415	0.0563159	0.25641777	2.4537895	21	—	—
340260 2006 BY_{153}	16.4	X	216.90471	287.64640	287.01225	12.29495	0.1126111	0.24145383	2.5541515	21	—	—
340261 2006 BY_{155}	16.5	X	62.68720	198.04391	145.06542	5.65726	0.2492960	0.23845217	2.5755413	21	—	—
340262 2006 BH_{156}	12.9	X	80.45268	204.19948	348.66552	14.29356	0.0632300	0.08294304	5.2073417	21	7 4.4	19.9
340263 2006 BX_{157}	16.5	X	91.46844	195.13052	148.75874	8.59254	0.1351051	0.24107174	2.5568496	21	—	—
340264 2006 BU_{158}	16.2	X	59.68598	340.20725	339.53984	9.38119	0.1238339	0.23232980	2.6205922	21	11 27.8	20.0
340265 2006 BO_{161}	15.6	X	204.46515	241.33462	290.52713	14.13872	0.0294236	0.23151882	2.6267083	21	10 30.3	19.6
340266 2006 BM_{163}	17.6	X	4.94881	343.75366	138.49591	5.26473	0.0579161	0.25401678	2.4692275	21	—	—
340267 2006 BW_{172}	17.0	X	180.71806	358.90272	256.91436	2.46409	0.1234550	0.24405612	2.5359630	21	—	—
340268 2006 BY_{178}	17.2	X	355.07810	147.67282	11.42628	2.75572	0.0967962	0.25945209	2.4346205	21	—	—
340269 2006 BW_{181}	17.8	X	105.63801	38.81290	34.00073	0.96927	0.1781965	0.26521008	2.3992529	21	3 8.4	20.5
340270 2006 BL_{183}	15.3	X	16.83598	142.81612	299.11582	8.32141	0.2927310	0.12531854	3.9548119	21	—	—
340271 2006 BY_{184}	17.2	X	71.42960	263.32890	60.15015	2.28801	0.2090755	0.23898075	2.5717422	21	12 28.5	21.1
340272 2006 BO_{190}	16.9	X	156.15841	229.27833	346.96671	9.08505	0.0757785	0.22938103	2.6430034	21	10 29.3	21.0
340273 2006 BP_{193}	17.2	X	123.62874	93.00382	172.58164	3.29321	0.1098163	0.23362012	2.6109339	21	11 30.9	21.3
340274 2006 BU_{195}	17.1	X	86.09255	123.55033	295.85102	4.72986	0.0830214	0.25748786	2.4469863	21	1 6.4	19.6
340275 2006 BY_{212}	16.8	X	307.23771	311.16826	142.46488	13.96501	0.1221038	0.23854391	2.5748810	21	12 7.9	19.9
340276 2006 BD_{217}	16.9	X	301.96750	217.76370	348.67215	4.48313	0.0317566	0.25928496	2.4356665	21	—	—
340277 2006 BC_{223}	16.4	X	156.31949	323.16403	321.50942	13.87653	0.1085591	0.24324964	2.5415651	21	—	—
340278 2006 BK_{223}	17.6	X	95.42841	283.64086	155.36197	1.81809	0.1489163	0.26411384	2.4058873	21	2 24.9	20.4
340279 2006 BY_{228}	17.9	X	96.27828	4.98509	19.14156	2.72786	0.1953693	0.25743063	2.4473490	21	—	—
340280 2006 BA_{229}	17.0	X	127.31172	278.82504	350.23110	4.40630	0.1497069	0.23639660	2.5904501	21	12 9.1	21.2
340281 2006 BL_{233}	17.4	X	334.99515	90.89805	8.53330	2.22673	0.0920571	0.24627550	2.5207043	21	—	—
340282 2006 BD_{261}	16.2	X	51.86510	353.73915	338.48641	7.34120	0.2001758	0.23348338	2.6119533	21	12 16.8	20.0
340283 2006 BG_{265}	16.6	X	54.15324	17.77088	340.15793	1.02993	0.1150063	0.23841882	2.5757815	21	—	—
340284 2006 BE_{269}	16.1	X	252.43633	105.08123	47.45565	10.55615	0.0767726	0.23832205	2.5764787	21	12 3.9	19.4
340285 2006 BZ_{270}	16.9	X	34.67708	23.51932	121.88372	2.51067	0.1512037	0.26212087	2.4180669	21	2 9.9	18.9
340286 2006 BX_{273}	16.8	X	221.40137	107.67020	46.15500	3.16111	0.1065345	0.23184506	2.6242437	21	10 24.2	20.3
340287 2006 BY_{277}	17.1	X	125.36429	245.98582	26.55875	2.21426	0.1599250	0.23632221	2.5909937	21	12 12.2	21.1
340288 2006 BD_{279}	13.9	X	289.45349	320.06125	17.09820	1.73736	0.0907318	0.08219392	5.2389340	21	6 4.4	20.8
340289 2006 BB_{280}	13.7	X	297.56897	206.07793	126.81759	12.13435	0.1068725	0.08456665	5.1404756	21	6 8.9	20.4
340290 2006 BH_{282}	17.3	X	104.60816	12.10245	55.92619	5.01352	0.1256660	0.26421125	2.4052959	21	2 22.4	20.2
340291 2006 CV	19.8	X	125.48993	284.63311	330.39962	20.20038	0.3818304	0.80328164	1.1461043	21	—	—
340292 2006 CD_{3}	17.2	X	34.61481	207.74980	141.05537	3.99635	0.2042669	0.23913984	2.5706015	21	12 19.0	20.5
340293 2006 CX_{3}	16.6	X	46.15090	139.11595	142.82764	11.50538	0.2252303	0.22355057	2.6887610	21	10 12.9	20.1
340294 2006 CO_{5}	16.9	X	319.08994	271.05162	209.96516	4.60458	0.0935293	0.24693406	2.5162206	21	—	—
340295 2006 CX_{7}	15.7	X	276.33568	107.88873	327.81371	21.60509	0.0463042	0.22798123	2.6538110	21	9 20.1	19.5
340296 2006 CE_{9}	17.7	X	153.78862	300.20572	132.16465	20.28244	0.1385729	0.40387702	1.8126055	21	4 26.4	20.4
340297 2006 CU_{11}	16.8	X	195.02302	313.81413	305.91567	1.60926	0.0837603	0.24674087	2.5175339	21	—	—
340298 2006 CB_{29}	17.2	X	189.55604	0.57572	244.12330	1.43562	0.1442936	0.24098429	2.5574682	21	—	—
340299 2006 CS_{40}	16.0	X	127.99999	300.28801	35.06960	4.06161	0.1287618	0.24526685	2.5276105	21	—	—
340300 2006 CT_{40}	17.1	X	244.00735	78.93958	112.12336	4.51284	0.0836285	0.24013733	2.5634780	21	—	—
340301 2006 CP_{45}	17.0	X	235.07992	214.03541	334.37705	7.07062	0.0100974	0.24304856	2.5429668	21	—	—
340302 2006 CM_{47}	16.9	X	140.26370	133.77100	121.63011	3.71254	0.1323202	0.23506126	2.6002514	21	12 5.2	20.9
340303 2006 CO_{50}	16.6	X	103.42901	223.34600	339.52961	7.02515	0.1976046	0.21496851	2.7598543	21	8 30.2	20.9
340304 2006 CL_{52}	16.3	X	25.97280	335.89109	315.75678	14.35839	0.1939886	0.22179082	2.7029645	21	9 7.9	19.4
340305 2006 CF_{60}	15.6	X	303.69322	25.28673	93.02882	16.87500	0.1108724	0.23955225	2.5676503	21	—	—
340306 2006 CD_{69}	13.6	X	261.22828	206.37450	154.79091	16.53801	0.0625410	0.08204876	5.2451114	21	6 6.1	20.8
340307 2006 DJ	17.0	X	119.06408	337.50828	60.32533	6.30517	0.2249369	0.26366983	2.4085875	21	2 17.3	20.2
340308 2006 DH_{1}	17.8	X	84.32342	272.82517	137.57049	23.98117	0.1600804	0.38283241	1.8784382	21	—	—
340309 2006 DD_{2}	17.2	X	241.79288	192.41995	338.33308	2.38572	0.0747033	0.23793543	2.5792690	21	12 14.7	20.5
340310 2006 DR_{2}	16.8	X	267.66283	195.22389	338.88104	14.15954	0.0619160	0.24269484	2.5454370	21	—	—
340311 2006 DY_{4}	16.4	X	38.78516	116.11835	157.25446	13.26719	0.1400863	0.21595307	2.7514595	21	9 1.3	19.7
340312 2006 DK_{6}	17.4	X	188.10663	244.12066	345.41137	18.96504	0.0516714	0.36656524	1.9336084	21	—	—
340313 2006 DV_{7}	16.5	X	215.36719	344.87945	166.92187	13.62428	0.1803194	0.22845920	2.6501082	21	10 9.1	20.7
340314 2006 DA_{8}	16.5	X	92.25051	346.82096	5.97898	9.41505	0.0499791	0.24015321	2.5633650	21	—	—
340315 2006 DW_{11}	17.3	X	260.80754	333.75577	200.14835	2.42487	0.0782104	0.24503911	2.5291764	21	—	—
340316 2006 DY_{16}	16.6	X	131.57464	156.67838	99.00796	3.59879	0.0573493	0.23325333	2.6136703	21	11 25.1	20.3
340317 2006 DK_{17}	17.2	X	47.28278	235.18762	101.25721	4.67030	0.0396009	0.23378572	2.6097009	21	11 24.7	20.5
340318 2006 DR_{19}	17.7	X	23.39719	117.29127	18.60660	2.72632	0.1625597	0.25866594	2.4395509	21	1 3.7	20.0
340319 2006 DT_{19}	16.6	X	51.75527	311.27133	356.77077	5.97138	0.1864323	0.22785168	2.6548168	21	11 11.7	20.3
340320 2006 DC_{23}	16.6	X	36.01073	293.02625	123.00922	3.55720	0.0534879	0.24496582	2.5296808	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340321 2006 DW_{26}	16.2	X	109.59404	180.30423	162.86362	9.61039	0.0660766	0.24283009	2.5444917	21	—	—
340322 2006 DM_{28}	13.2	X	289.32407	348.32107	1.03010	22.60390	0.0736381	0.08178226	5.2564999	21	6 20.3	20.3
340323 2006 DO_{31}	13.5	X	276.94570	2.48267	349.13598	19.15282	0.0533078	0.08145624	5.2705162	21	6 9.7	20.7
340324 2006 DV_{32}	16.7	X	246.21062	205.88742	347.59265	11.68763	0.1132276	0.23984033	2.5655938	21	—	—
340325 2006 DB_{34}	17.2	X	358.39598	289.36189	158.09027	2.30040	0.1009009	0.24292306	2.5438425	21	—	—
340326 2006 DN_{35}	16.3	X	73.64033	351.79438	354.37620	14.02745	0.0969870	0.23603544	2.5930919	21	—	—
340327 2006 DN_{36}	13.5	X	314.58551	149.63649	182.31710	27.91390	0.0414453	0.08107128	5.2871873	21	7 3.7	20.7
340328 2006 DX_{36}	17.1	X	110.04965	107.03455	172.87664	2.40416	0.0313769	0.23029466	2.6360085	21	11 28.5	20.7
340329 2006 DP_{37}	16.4	X	85.17901	256.34004	2.06022	6.06738	0.0908470	0.22064299	2.7123306	21	10 6.7	20.1
340330 2006 DU_{37}	15.8	X	298.74830	93.23970	357.38538	22.01016	0.0563741	0.23181602	2.6244628	21	11 10.5	19.6
340331 2006 DP_{38}	17.5	X	273.17220	176.94934	357.57789	4.62089	0.1085832	0.24303852	2.5430368	21	—	—
340332 2006 DT_{39}	16.8	X	169.21918	235.55098	337.00282	8.42811	0.1460941	0.23228479	2.6209307	21	11 5.9	21.1
340333 2006 DN_{40}	16.4	X	288.25262	176.52822	314.93592	12.25236	0.1950928	0.24037502	2.5617878	21	12 16.9	19.1
340334 2006 DK_{43}	17.0	X	85.93331	356.24053	344.49138	8.99455	0.0393872	0.24042613	2.5614248	21	—	—
340335 2006 DZ_{44}	14.1	X	330.82154	189.82824	128.78276	5.54892	0.0150385	0.08443048	5.1460010	21	7 11.3	20.9
340336 2006 DO_{46}	16.1	X	117.49304	251.16012	348.52278	17.14919	0.2277005	0.22229358	2.6988874	21	10 21.9	21.0
340337 2006 DR_{47}	16.5	X	65.93713	336.48698	332.93229	7.43776	0.1634912	0.23002286	2.6380846	21	11 27.4	20.4
340338 2006 DQ_{52}	18.3	X	36.69180	132.07635	355.26253	1.19855	0.1309764	0.25879487	2.4387406	21	1 19.2	20.5
340339 2006 DR_{52}	16.8	X	281.77433	125.99411	342.81290	11.66972	0.0782216	0.23505212	2.6003188	21	11 13.5	20.2
340340 2006 DG_{54}	16.9	X	48.12082	208.45784	161.41481	4.40100	0.1138147	0.23748996	2.5824934	21	—	—
340341 2006 DP_{55}	16.0	X	174.98924	299.79704	295.09370	16.55658	0.1563566	0.23350010	2.6118286	21	12 11.5	20.4
340342 2006 DD_{56}	13.5	X	323.83190	304.60938	8.58021	13.67446	0.0782375	0.08280047	5.2133178	21	6 21.2	20.3
340343 2006 DV_{57}	17.3	X	267.20835	336.45198	176.18046	4.75381	0.1401013	0.23804045	2.5785104	21	12 17.1	20.4
340344 2006 DQ_{58}	16.7	X	16.08933	133.11502	176.87474	8.79725	0.1535001	0.21717573	2.7411230	21	9 15.5	19.5
340345 2006 DY_{58}	17.8	X	15.76871	257.85893	183.90550	3.92017	0.0306571	0.24277610	2.5448690	21	—	—
340346 2006 DL_{63}	15.6	X	35.05729	273.69365	346.84585	16.95219	0.2490171	0.21178112	2.7874765	21	8 28.0	18.6
340347 2006 DJ_{67}	15.9	X	175.18595	195.05415	16.29184	12.33330	0.1363335	0.22909220	2.6452244	21	11 10.1	20.2
340348 2006 DS_{70}	13.7	X	330.47956	322.88157	334.49837	15.03709	0.0875392	0.08259443	5.2219842	21	6 10.3	20.4
340349 2006 DT_{73}	16.5	X	295.04200	270.39488	164.64855	22.09843	0.0629352	0.22983343	2.6395339	21	10 29.2	20.1
340350 2006 DX_{75}	13.8	X	284.44332	225.93534	113.97706	4.33353	0.0870883	0.08199995	5.2471926	21	6 2.9	20.7
340351 2006 DH_{80}	16.5	X	351.77823	332.24655	338.36411	4.77822	0.1574305	0.21448607	2.7639912	21	7 30.9	19.3
340352 2006 DY_{84}	17.2	X	42.28709	162.02114	257.75600	1.86328	0.1056671	0.24718490	2.5145180	21	—	—
340353 2006 DP_{89}	16.7	X	34.84374	215.84325	170.16698	12.76118	0.1867810	0.23948420	2.5681367	21	—	—
340354 2006 DV_{90}	17.1	X	70.23945	130.95987	157.66217	3.06978	0.0678009	0.22381921	2.6866091	21	10 26.2	20.7
340355 2006 DM_{91}	17.2	X	317.42718	319.65040	144.49851	2.35795	0.1342517	0.23905571	2.5712046	21	—	—
340356 2006 DO_{94}	16.9	X	41.64841	56.44542	5.00511	6.59101	0.0461541	0.24363339	2.5388956	21	—	—
340357 2006 DP_{94}	16.9	X	243.48010	308.92069	176.42237	2.91063	0.0457509	0.22682414	2.6628285	21	10 22.5	20.5
340358 2006 DZ_{94}	16.7	X	89.44627	254.05917	10.69681	4.27738	0.0588109	0.22200657	2.7012130	21	10 16.2	20.4
340359 2006 DG_{95}	17.5	X	129.52730	352.19425	1.61161	19.26346	0.0981347	0.37489727	1.9048518	21	—	—
340360 2006 DF_{98}	13.1	X	286.74469	359.47489	332.76113	18.40962	0.0358465	0.08279432	5.2135756	21	5 31.3	20.2
340361 2006 DX_{106}	17.4	X	346.08513	117.52013	344.29746	7.31656	0.1861533	0.24539960	2.5266989	21	—	—
340362 2006 DE_{109}	16.5	X	49.11230	193.71685	186.19006	8.66105	0.1667217	0.23967602	2.5667663	21	—	—
340363 2006 DF_{116}	16.5	X	14.33419	271.75952	11.61289	15.12999	0.1128582	0.21086873	2.7955114	21	8 7.9	20.0
340364 2006 DS_{124}	16.6	X	66.18915	16.29920	335.34181	4.33848	0.0841428	0.23791843	2.5793919	21	—	—
340365 2006 DY_{124}	16.1	X	150.67394	198.58105	17.60930	13.17058	0.2294807	0.22271968	2.6954441	21	10 25.2	20.8
340366 2006 DC_{126}	17.4	X	42.87441	121.04416	184.62522	3.24957	0.0875305	0.22584573	2.6705136	21	10 14.9	20.6
340367 2006 DF_{129}	16.8	X	75.61607	292.41583	58.32450	4.03167	0.1535000	0.24045764	2.5612010	21	—	—
340368 2006 DC_{135}	17.2	X	36.08185	283.20634	340.60132	6.44744	0.2520600	0.21232712	2.7826959	21	9 1.1	20.2
340369 2006 DV_{140}	16.7	X	38.61199	325.41475	19.90240	6.60153	0.0445820	0.23123712	2.6288411	21	11 22.6	20.1
340370 2006 DN_{143}	17.0	X	210.09984	179.76390	345.66200	7.21743	0.1450939	0.23058454	2.6337988	21	10 19.2	21.1
340371 2006 DT_{152}	17.2	X	121.50961	77.86892	179.85115	2.21039	0.1599750	0.22538274	2.6741696	21	11 20.4	21.5
340372 2006 DQ_{161}	17.2	X	228.09418	176.57900	347.09606	2.43434	0.0526894	0.23309846	2.6148279	21	11 19.9	20.8
340373 2006 DR_{168}	16.7	X	118.44675	223.32860	15.25305	8.82443	0.0998536	0.22394102	2.6856347	21	10 19.9	20.8
340374 2006 DZ_{181}	16.7	X	105.16054	245.27927	11.75737	9.30504	0.1115745	0.22373000	2.6873232	21	10 28.7	20.8
340375 2006 DL_{185}	16.6	X	128.61933	219.51733	11.71077	13.02845	0.2065823	0.22234597	2.6984635	21	10 24.4	21.1
340376 2006 DV_{187}	17.9	X	146.19314	35.42166	56.49965	2.39672	0.1486189	0.27108737	2.3644485	21	5 16.7	21.1
340377 2006 DE_{189}	17.1	X	2.98973	232.25203	143.95345	2.17051	0.0202686	0.22935886	2.6431737	21	11 13.8	20.4
340378 2006 DT_{189}	16.4	X	29.76207	260.09785	16.59263	5.18158	0.1043406	0.21358706	2.7717417	21	8 19.1	19.7
340379 2006 DR_{190}	16.3	X	330.23125	207.42880	150.93591	6.51064	0.0494645	0.21845362	2.7304227	21	9 2.9	19.8
340380 2006 DW_{192}	17.1	X	264.48271	24.24769	154.30714	3.85930	0.0760673	0.23941172	2.5686550	21	—	—
340381 2006 DU_{197}	16.0	X	281.83103	191.68122	345.23170	13.65426	0.1119942	0.24285175	2.5443404	21	—	—
340382 2006 DV_{197}	16.4	X	162.68335	204.68041	358.88400	13.66347	0.1925336	0.22318952	2.6916599	21	10 17.9	21.0
340383 2006 DX_{203}	15.9	X	144.90166	336.52152	261.11189	10.75466	0.1498269	0.22931983	2.6434736	21	11 15.9	20.2
340384 2006 DL_{207}	16.8	X	34.65244	161.95300	219.17313	4.17617	0.0831640	0.23609498	2.5926559	21	—	—
340385 2006 DB_{209}	16.7	X	251.82039	326.21019	159.75151	7.83910	0.0480914	0.23070457	2.6328852	21	11 5.2	20.2
340386 2006 EU_{1}	16.9	X	62.11593	282.32289	4.91986	8.33430	0.0788004	0.22400263	2.6851423	21	10 13.2	20.4
340387 2006 ES_{4}	17.0	X	74.52035	265.97614	119.67729	3.85698	0.1396740	0.24779369	2.5103979	21	—	—
340388 2006 EK_{13}	18.0	X	77.64610	145.53262	292.80906	0.47914	0.1644116	0.25781720	2.4449020	21	1 28.9	20.2
340389 2006 EQ_{14}	16.8	X	22.16693	62.53447	354.48996	6.57969	0.0910455	0.24162483	2.5529462	21	—	—
340390 2006 EF_{15}	16.8	X	307.17197	94.04552	359.18463	11.79715	0.0673624	0.23439428	2.6051818	21	12 3.9	20.1
340391 2006 ER_{15}	16.6	X	59.69677	221.64274	163.05913	3.30736	0.1080450	0.24140864	2.5544702	21	—	—
340392 2006 EC_{17}	16.7	X	42.32067	176.14873	137.77005	2.96627	0.0807749	0.22252782	2.6969931	21	10 24.4	20.1
340393 2006 EF_{17}	16.9	X	101.52076	223.67680	0.60805	3.11161	0.1349532	0.21725391	2.7404653	21	9 17.8	20.9
340394 2006 EH_{27}	16.4	X	75.26672	88.19855	164.04203	13.54059	0.1466621	0.21983622	2.7189625	21	9 26.8	20.2
340395 2006 EJ_{27}	17.3	X	334.29667	281.08352	149.83864	3.56047	0.0302299	0.23590392	2.5940556	21	12 17.2	20.6
340396 2006 EU_{29}	13.5	X	310.72133	334.26078	348.27425	26.55352	0.0843309	0.08174113	5.2582628	21	6 13.6	20.6
340397 2006 EK_{32}	16.7	X	341.33335	249.74846	188.82252	7.00966	0.1110278	0.24006615	2.5639847	21	—	—
340398 2006 EJ_{33}	16.8	X	67.90276	37.31291	332.67769	5.76545	0.2683906	0.24215553	2.5492149	21	—	—
340399 2006 EX_{34}	16.8	X	44.00181	6.55115	25.07527	6.58042	0.0516174	0.23916723	2.5704052	21	—	—
340400 2006 EM_{35}	16.5	X	50.59794	17.51194	8.19695	6.14574	0.0915233	0.24022781	2.5628343	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340401 2006 EU_{35}	17.3	X	69.04442	299.62587	121.84523	4.09044	0.1617851	0.25450560	2.4660648	21	—	—
340402 2006 EV_{48}	16.6	X	27.17249	282.51349	3.59283	8.77232	0.1998417	0.21521166	2.7577751	21	9 10.2	19.6
340403 2006 EQ_{54}	17.5	X	243.09803	345.92680	170.74199	2.63029	0.0624722	0.23597789	2.5935134	21	11 30.3	21.0
340404 2006 EL_{62}	15.7	X	70.97138	250.61766	343.82445	11.86148	0.0891637	0.21337164	2.7736069	21	8 20.3	19.4
340405 2006 EM_{63}	16.8	X	120.67778	19.07750	209.08074	4.66837	0.1013634	0.22119752	2.7077956	21	10 9.7	20.9
340406 2006 ED_{65}	16.7	X	9.59549	235.28368	189.31930	17.23603	0.1715419	0.24099855	2.5573673	21	—	—
340407 2006 EZ_{65}	16.8	X	239.08925	326.89665	193.59815	6.89061	0.1286922	0.23244623	2.6197170	21	11 20.4	20.4
340408 2006 EJ_{66}	17.7	X	143.61778	92.39290	185.12601	21.63538	0.0909232	0.36292246	1.9465257	21	—	—
340409 2006 ES_{72}	16.1	X	285.62975	130.88611	155.39449	11.13762	0.0526125	0.19029166	2.9935709	21	3 30.3	20.3
340410 2006 EV_{72}	17.1	X	75.91997	212.52047	32.34920	1.92097	0.1685036	0.21398592	2.7682963	21	9 19.5	21.0
340411 2006 FC_{1}	17.0	X	20.91489	52.89976	11.43070	2.58234	0.0524691	0.24249205	2.5468559	21	—	—
340412 2006 FY_{8}	16.8	X	237.13131	89.69830	52.47019	3.95945	0.0343998	0.22619273	2.6677817	21	11 6.2	20.3
340413 2006 FS_{9}	17.3	X	230.61940	344.61315	211.00193	6.84781	0.1239934	0.23937916	2.5688879	21	12 25.1	20.8
340414 2006 FC_{10}	16.4	X	217.71847	293.28879	270.10356	8.82912	0.2241808	0.23421739	2.6064933	21	12 7.2	20.4
340415 2006 FD_{10}	16.4	X	220.30679	277.35828	271.88045	10.43473	0.2156363	0.23340072	2.6125699	21	11 22.6	20.4
340416 2006 FZ_{12}	16.6	X	48.31700	219.30444	45.09448	5.04389	0.1561187	0.21134241	2.7913327	21	9 8.4	20.1
340417 2006 FE_{13}	16.8	X	341.88048	28.10403	23.72975	13.65340	0.0695839	0.22988974	2.6391029	21	11 29.9	20.2
340418 2006 FA_{14}	16.6	X	23.89852	131.21862	190.06077	12.19553	0.1833318	0.21674706	2.7447359	21	10 20.9	19.7
340419 2006 FM_{16}	17.0	X	13.99202	268.90252	188.51575	15.26748	0.0976085	0.24671523	2.5177083	21	—	—
340420 2006 FO_{17}	16.8	X	3.61220	232.88670	44.54168	6.24907	0.0995211	0.20512231	2.8474807	21	7 3.9	20.2
340421 2006 FY_{18}	16.4	X	86.11586	196.78548	17.73832	9.38294	0.0963821	0.21117333	2.7928226	21	8 16.5	20.4
340422 2006 FD_{20}	15.8	X	84.44056	236.68907	28.13140	13.30330	0.1372151	0.21685076	2.7438609	21	10 20.3	19.8
340423 2006 FQ_{23}	16.8	X	216.80870	8.08849	183.34567	7.63683	0.1283143	0.23156224	2.6263799	21	12 3.1	20.6
340424 2006 FO_{24}	16.7	X	156.93200	19.63873	184.05594	6.00570	0.0991095	0.22222216	2.6994656	21	10 18.1	20.8
340425 2006 FA_{27}	16.9	X	166.52107	113.50110	39.07813	4.38614	0.0370293	0.21475290	2.7617012	21	8 25.2	20.8
340426 2006 FX_{29}	16.5	X	173.21193	183.69184	32.13340	9.08242	0.1822112	0.22595114	2.6696830	21	11 13.4	20.8
340427 2006 FZ_{29}	16.8	X	358.54008	244.97045	201.61801	13.30302	0.1819348	0.23930396	2.5694261	21	—	—
340428 2006 FU_{31}	16.1	X	123.53849	194.81088	29.81852	16.21364	0.1060474	0.21862275	2.7290143	21	10 11.5	20.3
340429 2006 FB_{32}	16.8	X	12.89665	6.68630	29.49088	5.85087	0.0717874	0.23031021	2.6358898	21	12 28.8	20.2
340430 2006 FD_{32}	17.1	X	41.84743	286.56719	36.70260	2.30674	0.0683587	0.22094866	2.7098285	21	11 1.5	20.7
340431 2006 FM_{35}	17.4	X	213.81913	218.24424	15.63503	19.09406	0.0829486	0.36785225	1.9290957	21	—	—
340432 2006 FP_{38}	16.9	X	104.24632	294.53491	46.61610	4.33211	0.0754162	0.23931587	2.5693408	21	—	—
340433 2006 FC_{46}	16.4	X	156.37190	8.75773	199.90961	12.74221	0.1860669	0.22414428	2.6840109	21	10 23.5	20.8
340434 2006 FH_{46}	16.4	X	149.83802	152.71680	60.84142	4.04450	0.1735167	0.22376774	2.6870211	21	10 24.1	20.7
340435 2006 FB_{50}	15.8	X	88.92023	164.91064	74.79054	10.66100	0.1433957	0.21621385	2.7492467	21	9 30.1	20.0
340436 2006 FG_{54}	16.6	X	307.71268	262.27936	38.75260	9.11877	0.2141720	0.19610891	2.9340747	21	4 20.3	20.4
340437 2006 FH_{54}	16.5	X	309.17715	102.84312	26.11518	13.07823	0.1036995	0.23799388	2.5788467	21	—	—
340438 2006 GA_{2}	16.7	X	128.47263	76.53097	151.26758	7.62632	0.1909346	0.22126787	2.7072216	21	10 24.8	21.2
340439 2006 GA_{16}	16.9	X	270.58746	62.24617	48.98789	4.85511	0.0741527	0.22808685	2.6529917	21	11 4.8	20.1
340440 2006 GY_{18}	16.7	X	132.11634	163.87970	48.62931	5.61513	0.0475471	0.21885999	2.7270418	21	10 1.5	20.6
340441 2006 GU_{21}	16.5	X	359.79499	238.52659	67.62559	4.82721	0.0849444	0.20986638	2.8044055	21	8 8.4	19.8
340442 2006 GK_{23}	16.9	X	327.17767	210.12770	179.74660	6.06422	0.0448020	0.22071060	2.7117767	21	10 11.9	20.3
340443 2006 GU_{23}	17.0	X	53.12898	102.89029	180.41036	4.06691	0.1382283	0.21469374	2.7622086	21	10 5.7	20.5
340444 2006 GA_{25}	16.9	X	59.01778	275.34646	32.21021	5.43908	0.1019396	0.22131473	2.7068395	21	11 8.2	20.6
340445 2006 GS_{26}	16.4	X	81.41066	187.95656	50.94519	5.98209	0.1090144	0.21255630	2.7806952	21	9 12.5	20.4
340446 2006 GR_{32}	17.3	X	286.25631	111.55874	64.58130	3.70209	0.1113798	0.24283526	2.5444557	21	—	—
340447 2006 GX_{34}	16.9	X	203.34992	311.24023	194.22389	8.34961	0.1041909	0.22114272	2.7082429	21	9 21.4	21.1
340448 2006 GA_{36}	16.7	X	29.70975	269.89857	20.76539	3.40924	0.0538139	0.21589684	2.7519373	21	8 31.7	20.2
340449 2006 GE_{39}	17.1	X	30.50439	272.33468	199.12357	20.81486	0.1020018	0.37805370	1.8942344	21	—	—
340450 2006 GX_{39}	16.3	X	139.41520	195.66882	36.73479	14.58150	0.2041320	0.22428350	2.6829001	21	11 5.4	20.8
340451 2006 GQ_{40}	15.7	X	265.37716	112.01418	41.27275	16.09174	0.0890269	0.23294919	2.6159449	21	12 19.3	19.2
340452 2006 GS_{42}	16.4	X	274.84071	271.97873	242.90116	10.21489	0.2058726	0.24022467	2.5628566	21	12 22.5	19.0
340453 2006 GB_{44}	16.9	X	232.75343	307.16961	175.71367	3.10828	0.0695502	0.22152782	2.7051034	21	10 1.4	20.7
340454 2006 GN_{47}	16.5	X	190.43031	317.35161	199.98850	4.98271	0.0197496	0.21993448	2.7181526	21	9 28.1	20.2
340455 2006 GZ_{47}	16.9	X	336.14678	13.15014	30.16043	6.51447	0.0238191	0.22529291	2.6748804	21	11 10.4	20.4
340456 2006 GK_{52}	16.1	X	96.44492	137.48653	122.36974	15.40845	0.1254670	0.22019573	2.7160022	21	11 1.6	20.5
340457 2006 HY_{1}	15.9	X	95.98706	65.17277	173.96643	9.53265	0.1279794	0.21560906	2.7543854	21	9 30.3	19.9
340458 2006 HF_{7}	15.5	X	255.50416	258.70072	34.95724	21.13379	0.3804822	0.18208111	3.0829002	21	2 16.6	21.5
340459 2006 HA_{9}	17.6	X	114.44940	29.03182	11.96584	20.39962	0.0642131	0.38203983	1.8810353	21	—	—
340460 2006 HD_{9}	16.7	X	229.13209	349.22809	213.71288	5.64769	0.1568031	0.23665839	2.5885394	21	12 27.4	20.3
340461 2006 HJ_{15}	16.2	X	273.71814	133.39956	24.40085	12.74772	0.1912033	0.23636173	2.5907049	21	12 26.2	19.3
340462 2006 HW_{16}	16.8	X	359.39146	324.94026	51.64246	6.46595	0.0430479	0.22591016	2.6700058	21	11 10.0	20.2
340463 2006 HH_{19}	16.7	X	175.26663	72.50093	130.41992	4.04584	0.0531378	0.22442453	2.6817760	21	11 7.9	20.6
340464 2006 HZ_{23}	16.8	X	295.31546	106.18715	51.81989	7.75868	0.0630834	0.23750768	2.5823649	21	—	—
340465 2006 HN_{26}	16.7	X	310.55894	96.66481	189.54310	13.53468	0.2486791	0.19216464	2.9740874	21	3 30.3	20.6
340466 2006 HB_{27}	17.3	X	254.92584	340.72872	208.92678	22.03318	0.0526871	0.36383263	1.9432781	21	—	—
340467 2006 HO_{29}	17.5	X	298.76510	354.46554	217.75691	19.67634	0.0369364	0.37593345	1.9013500	21	—	—
340468 2006 HU_{29}	15.7	X	105.05109	171.78491	73.79496	14.79859	0.1475454	0.21979901	2.7192694	21	10 25.4	20.1
340469 2006 HY_{33}	16.8	X	211.54249	313.98703	210.72770	12.33427	0.0892512	0.22505742	2.6767460	21	10 27.7	20.6
340470 2006 HW_{34}	15.9	X	355.42434	276.48448	47.96591	9.41638	0.1604045	0.20865810	2.8152214	21	9 1.6	19.0
340471 2006 HK_{36}	16.5	X	101.93436	208.50724	44.42608	5.91036	0.0967826	0.22112353	2.7083996	21	10 21.4	20.5
340472 2006 HP_{43}	16.8	X	317.41524	61.40522	41.84886	10.26986	0.0780101	0.23125284	2.6287220	21	—	—
340473 2006 HB_{46}	16.7	X	259.26875	346.93351	191.66384	11.57129	0.1149342	0.23796486	2.5790564	21	—	—
340474 2006 HB_{47}	17.3	X	324.76052	325.92958	177.57379	4.40764	0.1301224	0.24307520	2.5427810	21	—	—
340475 2006 HY_{47}	17.2	X	244.25276	331.15581	157.77048	5.74355	0.0996863	0.22522917	2.6753850	21	10 21.2	20.9
340476 2006 HZ_{47}	16.7	X	111.54057	172.64458	108.47325	4.98851	0.0862054	0.22523300	2.6753547	21	12 4.9	20.6
340477 2006 HV_{53}	15.9	X	102.40090	55.46403	196.92997	11.48804	0.1035579	0.21803804	2.7338911	21	10 21.4	20.0
340478 2006 HC_{57}	16.7	X	174.91053	342.36029	211.40681	3.79689	0.2171671	0.22357920	2.6885314	21	10 19.5	21.3
340479 Broca	16.0	X	301.32646	46.50223	24.40515	14.99410	0.0800182	0.22639498	2.6661926	21	10 24.5	19.1
340480 2006 HA_{67}	16.4	X	311.95280	236.06377	207.99156	5.56538	0.0271221	0.22623378	2.6674589	21	12 1.8	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340481 2006 HO_{67}	17.1	X	214.25195	154.96223	36.77222	3.35556	0.0470344	0.22819421	2.6521595	21	12 8.7	20.8
340482 2006 HP_{67}	16.9	X	203.97609	118.95336	42.50541	3.34579	0.1569815	0.22311771	2.6922374	21	10 9.9	21.1
340483 2006 HW_{73}	16.9	X	113.10069	88.62493	125.47132	4.40527	0.0341321	0.21271055	2.7793508	21	9 7.8	20.7
340484 2006 HG_{77}	16.5	X	275.60836	79.29299	196.10773	18.07353	0.2005700	0.18404353	3.0609461	21	2 10.5	21.6
340485 2006 HN_{78}	16.8	X	20.67768	107.14518	199.85028	7.78779	0.2331837	0.21295350	2.7772364	21	9 30.1	19.7
340486 2006 HM_{79}	16.6	X	308.02486	330.58411	47.94130	5.59554	0.0191230	0.21245773	2.7815553	21	9 2.6	20.4
340487 2006 HV_{81}	16.2	X	327.73867	350.62554	54.06534	7.31171	0.0366829	0.22104948	2.7090044	21	11 1.8	19.7
340488 2006 HQ_{84}	16.5	X	81.58248	41.81589	211.54612	9.78473	0.0646232	0.21261419	2.7801905	21	9 19.6	20.5
340489 2006 HV_{85}	16.7	X	192.85188	343.23154	196.14504	11.36865	0.1102027	0.22453940	2.6808613	21	10 24.6	20.7
340490 2006 HD_{87}	16.7	X	330.48748	210.52559	181.77041	5.13224	0.0579701	0.22422580	2.6833603	21	10 20.4	20.0
340491 2006 HC_{91}	16.2	X	235.20508	162.38460	193.46361	11.08410	0.1468582	0.19321670	2.9632817	21	4 17.2	20.8
340492 2006 HP_{96}	16.6	X	307.06823	99.99960	221.52374	5.29420	0.2262578	0.19813096	2.9140779	21	5 13.7	20.4
340493 2006 HU_{96}	16.9	X	284.17827	219.80720	232.50703	7.12629	0.2267819	0.22545831	2.6735720	21	10 3.9	20.0
340494 2006 HE_{97}	17.0	X	242.12954	110.81031	37.42807	2.46299	0.0214111	0.22484780	2.6784094	21	11 21.5	20.7
340495 2006 HS_{99}	17.2	X	157.89909	145.34966	54.40361	5.14247	0.0570138	0.21855990	2.7295375	21	10 14.6	21.1
340496 2006 HG_{101}	16.4	X	28.43662	250.60217	87.38335	7.05272	0.0830065	0.21768712	2.7368284	21	11 6.0	19.9
340497 2006 HT_{106}	16.9	X	227.58360	19.14783	149.03417	5.07907	0.1055066	0.22814626	2.6525311	21	11 19.2	20.7
340498 2006 HG_{116}	16.4	X	357.99404	112.40484	222.41141	5.34121	0.0621955	0.21244350	2.7816795	21	9 9.7	20.0
340499 2006 HH_{116}	16.6	X	309.71050	137.30027	230.90787	5.45958	0.0727257	0.21012061	2.8021429	21	8 10.5	20.3
340500 2006 HB_{117}	15.9	X	306.80291	161.47184	216.22576	11.59971	0.1041406	0.20970690	2.8058271	21	8 12.8	19.7
340501 2006 HT_{118}	16.7	X	346.39600	275.83434	93.86748	7.60719	0.0688550	0.21853406	2.7297526	21	10 16.6	20.1
340502 2006 HW_{120}	16.8	X	273.58368	350.58044	87.38233	7.65552	0.0432429	0.21661934	2.7458147	21	10 3.0	20.5
340503 2006 HC_{151}	16.8	X	284.05323	107.83249	37.89578	14.95411	0.1228916	0.23584794	2.5944660	21	—	—
340504 2006 HZ_{152}	16.7	X	278.90388	65.81580	81.73338	9.06793	0.1381471	0.23269326	2.6178626	21	12 27.3	19.6
340505 2006 HG_{153}	16.9	X	55.46819	108.26186	189.51590	3.43526	0.0815697	0.21590596	2.7518598	21	10 19.3	20.5
340506 2006 HL_{153}	17.2	X	31.36925	293.61966	54.74001	6.28716	0.0204822	0.22449316	2.6812294	21	11 14.0	20.6
340507 2006 JT_{6}	16.6	X	39.39729	219.53702	71.65900	4.61023	0.0717176	0.21283755	2.7782450	21	9 18.9	20.2
340508 2006 JJ_{7}	16.0	X	288.30306	260.10219	213.85806	11.85349	0.1611551	0.23000326	2.6382345	21	11 24.4	18.9
340509 2006 JT_{8}	17.0	X	98.27319	344.17233	242.92014	4.03415	0.0652590	0.21234404	2.7825480	21	9 6.7	20.9
340510 2006 JB_{12}	16.0	X	276.04675	11.56760	80.30070	13.37101	0.0810686	0.22052359	2.7133096	21	10 22.0	19.7
340511 2006 JO_{13}	16.9	X	295.67819	280.79697	211.38341	14.33124	0.1174838	0.23277457	2.6172529	21	—	—
340512 2006 JT_{13}	16.0	X	46.96955	260.31002	58.34067	9.73191	0.1677042	0.21743031	2.7389829	21	11 16.9	19.6
340513 2006 JC_{15}	16.4	X	330.86953	6.97186	51.08370	3.05804	0.2025074	0.22933713	2.6433406	21	11 26.4	18.6
340514 2006 JG_{19}	16.3	X	347.16374	261.82155	99.36482	3.58082	0.0883005	0.21517081	2.7581241	21	10 4.1	19.5
340515 2006 JA_{20}	16.7	X	290.90994	352.35057	121.97645	8.34397	0.1303478	0.22916628	2.6446543	21	12 3.8	19.7
340516 2006 JT_{21}	16.2	X	351.04110	311.88379	87.89795	13.01704	0.1914666	0.22298907	2.6932727	21	12 11.2	18.9
340517 2006 JH_{23}	17.4	X	11.46241	260.43829	29.71667	2.53378	0.1649618	0.20641532	2.8355769	21	8 10.1	20.3
340518 2006 JU_{25}	17.5	X	331.60344	172.93989	16.06953	21.90644	0.0639569	0.37871810	1.8920183	21	—	—
340519 2006 JC_{26}	15.9	X	79.09074	234.05598	356.73925	8.90323	0.0943656	0.21065533	2.7973990	21	8 26.8	19.7
340520 2006 JY_{27}	16.8	X	12.38246	201.06767	136.86608	4.08896	0.0976166	0.21459070	2.7630927	21	10 13.7	20.1
340521 2006 JO_{31}	16.8	X	301.79935	67.14539	63.13520	22.25370	0.1133811	0.23399892	2.6081154	21	—	—
340522 2006 JO_{33}	16.1	X	91.24613	229.82697	53.28782	14.73450	0.0154816	0.22112011	2.7084275	21	11 7.1	19.8
340523 2006 JV_{33}	16.9	X	185.57607	333.65543	200.63729	4.72004	0.0455995	0.22055733	2.7130328	21	10 13.0	20.5
340524 2006 JL_{34}	16.7	X	17.92386	145.62522	208.52644	4.79996	0.0921410	0.21884966	2.7271276	21	11 11.6	20.1
340525 2006 JO_{35}	15.9	X	335.64101	146.59842	213.99791	14.15690	0.0607735	0.21207992	2.7848577	21	9 7.9	19.6
340526 2006 JD_{37}	16.9	X	241.32316	111.52606	80.45134	5.63515	0.1852310	0.23568307	2.5956758	21	12 24.5	20.2
340527 2006 JN_{37}	16.0	X	1.50701	305.69408	78.41276	8.82431	0.1800224	0.22373061	2.6873183	21	12 7.4	18.8
340528 2006 JV_{37}	16.7	X	234.21454	317.13238	230.60795	17.17007	0.1536421	0.23172031	2.6251854	21	12 13.5	20.4
340529 2006 JU_{38}	17.1	X	330.09311	271.91113	211.36182	2.74421	0.1479591	0.24036657	2.5618479	21	—	—
340530 2006 JR_{48}	15.9	X	142.90801	211.88404	21.62068	14.29532	0.1498846	0.22065501	2.7122321	21	11 6.2	20.4
340531 2006 JZ_{49}	17.1	X	129.62709	212.78392	57.81221	3.56586	0.0287752	0.22822808	2.6518971	21	12 8.9	20.8
340532 2006 JS_{50}	16.1	X	61.26831	258.59570	47.52641	9.21551	0.1524463	0.21853655	2.7297319	21	11 15.9	19.8
340533 2006 JM_{51}	16.7	X	319.15028	283.05207	185.84832	11.33468	0.1488477	0.23271926	2.6176676	21	—	—
340534 2006 JY_{51}	16.9	X	336.26514	289.64979	188.08597	6.46512	0.1543649	0.23892523	2.5721406	21	—	—
340535 2006 JX_{53}	16.8	X	69.36360	203.67493	63.09121	5.04028	0.0391049	0.21256512	2.7806183	21	9 22.7	20.6
340536 2006 JA_{54}	16.5	X	29.43634	110.15187	237.26359	5.67205	0.0488198	0.21954209	2.7213904	21	11 12.8	19.8
340537 2006 JX_{54}	15.7	X	263.86047	113.03025	50.05363	22.73270	0.0791987	0.23142502	2.6274180	21	12 31.5	19.4
340538 2006 JJ_{73}	16.9	X	15.39649	83.65081	211.95800	9.39576	0.1607117	0.20946154	2.8080178	21	8 20.7	20.1
340539 2006 JR_{81}	16.7	X	345.88443	27.70882	235.70644	2.82100	0.0824638	0.19660321	2.9291547	21	5 16.2	20.1
340540 2006 KL_{4}	16.6	X	310.19769	335.59244	83.77680	3.11806	0.0378076	0.21942228	2.7223809	21	10 27.1	20.0
340541 2006 KS_{4}	16.5	X	23.94251	273.00603	65.93401	6.67417	0.0667560	0.21704575	2.7422172	21	10 29.1	20.0
340542 2006 KB_{8}	16.6	X	316.47876	340.06686	66.64398	5.75803	0.0421414	0.21793211	2.7347769	21	10 19.8	20.1
340543 2006 KJ_{14}	16.4	X	204.77746	127.68424	92.32765	8.77205	0.1414869	0.23181213	2.6244921	21	12 22.9	20.1
340544 2006 KJ_{16}	17.2	X	55.29777	264.40222	97.89978	24.11092	0.1042117	0.35567738	1.9728704	21	—	—
340545 2006 KB_{18}	16.2	X	281.42947	302.53680	161.61616	12.22528	0.1575858	0.22791954	2.6542898	21	11 2.5	19.5
340546 2006 KN_{22}	16.1	X	196.18075	85.71749	99.75518	12.71877	0.1369151	0.22342121	2.6897987	21	11 6.4	20.4
340547 2006 KM_{28}	16.7	X	271.27421	1.99854	62.65415	6.00303	0.0389567	0.21378581	2.7700236	21	9 11.6	20.5
340548 2006 KW_{31}	17.0	X	249.66368	294.90427	235.90007	8.12639	0.0866023	0.23104157	2.6303243	21	12 21.7	20.5
340549 2006 KU_{34}	17.4	X	273.96816	295.07022	206.68438	3.90738	0.2288037	0.23237804	2.6202294	21	11 28.1	20.3
340550 2006 KL_{35}	17.1	X	234.16618	314.58664	198.70717	1.32954	0.1651394	0.22614298	2.6681729	21	10 29.7	21.0
340551 2006 KU_{44}	16.4	X	331.34326	178.82350	161.67853	13.24335	0.1447984	0.20871355	2.8147227	21	7 31.8	19.7
340552 2006 KL_{48}	16.4	X	336.62365	301.32786	99.60410	6.16478	0.1626425	0.21993754	2.7181274	21	11 12.4	19.1
340553 2006 KP_{48}	16.4	X	339.66520	183.53522	99.08723	5.51757	0.1770864	0.19773816	2.9179357	21	5 24.1	19.6
340554 2006 KC_{50}	16.6	X	11.10026	44.12390	221.61635	8.12589	0.0874001	0.20196623	2.8770685	21	6 28.6	20.2
340555 2006 KO_{54}	16.6	X	338.12177	189.98023	203.47531	5.91315	0.0346592	0.21888753	2.7268131	21	10 31.8	20.1
340556 2006 KH_{63}	16.1	X	131.92665	214.76701	40.02575	15.63631	0.0593074	0.22480383	2.6787586	21	11 20.2	20.1
340557 2006 KH_{64}	16.9	X	294.70256	238.65628	197.16299	10.79924	0.0472325	0.22045987	2.7138324	21	10 26.0	20.3
340558 2006 KA_{66}	17.3	X	119.80854	133.83293	110.16766	2.92255	0.0109509	0.22050910	2.7134284	21	10 23.5	20.9
340559 2006 KN_{66}	16.6	X	305.63552	5.03486	70.37380	14.22403	0.0877007	0.22272555	2.6953967	21	11 9.6	19.9
340560 2006 KY_{76}	17.1	X	26.01480	125.71768	193.07987	6.12305	0.0492947	0.21405317	2.7677166	21	9 30.8	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340561 2006 KR_{78}	16.9	X	325.51989	209.76778	211.84922	10.28695	0.0239444	0.22181184	2.7027937	21	11 20.8	20.5
340562 2006 KC_{81}	16.1	X	333.14341	284.13604	91.69619	13.08123	0.1772130	0.21192937	2.7861765	21	10 3.9	19.2
340563 2006 KH_{92}	16.6	X	143.26450	8.52206	206.59845	7.00004	0.0197228	0.21763518	2.7372637	21	10 14.2	20.2
340564 2006 KH_{95}	16.2	X	175.67430	326.55338	199.24602	8.91550	0.0768663	0.21499351	2.7596404	21	9 17.6	20.4
340565 2006 KS_{96}	15.6	X	221.96715	231.11359	122.15864	28.43678	0.1985993	0.17945293	3.1129275	21	4 10.7	21.3
340566 2006 KB_{100}	15.9	X	70.69976	266.52107	338.63700	12.28800	0.1749383	0.21031534	2.8004129	21	9 11.8	19.9
340567 2006 KA_{105}	16.3	X	272.56471	352.43535	157.33770	13.09449	0.2550395	0.23313337	2.6145669	21	12 4.5	19.5
340568 2006 KS_{108}	16.7	X	280.97220	273.95089	36.37902	1.74086	0.2079898	0.19250238	2.9706078	21	3 31.8	21.1
340569 2006 KK_{115}	16.7	X	343.88808	187.96924	183.94359	3.49323	0.1981143	0.21349730	2.7725186	21	10 14.0	19.0
340570 2006 KY_{115}	15.9	X	290.12380	21.67386	65.07457	14.57852	0.1532351	0.22291140	2.6938983	21	10 25.4	19.1
340571 2006 KG_{123}	16.0	X	313.95092	20.37719	281.03663	11.14648	0.1339863	0.18992514	2.9974210	21	5 9.4	20.0
340572 2006 KM_{123}	15.6	X	243.25715	49.98866	263.68676	14.82451	0.1251393	0.17802971	3.1294959	21	2 28.3	20.8
340573 2006 MF_{3}	15.7	X	11.56185	313.66115	84.46458	23.07010	0.0665515	0.22741408	2.6582214	21	12 26.9	19.1
340574 2006 MG_{12}	16.1	X	227.59884	29.75244	289.40104	11.10451	0.2718059	0.17679965	3.1439946	21	2 18.5	21.8
340575 2006 MO_{14}	15.7	X	274.74715	285.45293	325.89250	24.48985	0.2795405	0.17555745	3.1588078	21	1 17.2	21.1
340576 2006 OO_{3}	15.6	X	218.21913	50.24840	309.29585	15.59377	0.2948151	0.17855258	3.1233834	21	3 24.8	21.5
340577 2006 OY_{5}	15.5	X	259.16693	212.89036	105.42031	18.56655	0.2874536	0.18056687	3.1001117	21	3 22.5	21.0
340578 2006 OB_{12}	15.1	X	259.81913	318.65809	329.17127	27.28646	0.1685477	0.17371088	3.1811540	21	2 18.3	20.0
340579 2006 PY	15.2	X	276.42947	158.62279	156.81455	17.68502	0.1831954	0.18151145	3.0893471	21	4 9.8	20.0
340580 2006 PS_{3}	15.1	X	229.90889	46.29060	293.93418	25.64898	0.1406171	0.17317833	3.1876724	21	3 10.8	20.7
340581 2006 PL_{5}	15.6	X	235.62357	202.05401	110.07594	11.98168	0.1941891	0.17542087	3.1604472	21	2 26.7	20.9
340582 2006 PD_{7}	15.5	X	233.98644	233.96183	122.84876	11.63196	0.0930018	0.18155458	3.0888577	21	4 26.1	20.4
340583 2006 PG_{9}	15.8	X	251.47287	61.05468	324.87746	9.37758	0.1123317	0.18846482	3.0128847	21	6 12.9	20.4
340584 2006 PP_{10}	15.9	X	188.60003	96.48716	318.03131	12.30015	0.2759797	0.17743364	3.1365008	21	5 11.4	21.7
340585 2006 PH_{17}	15.3	X	248.97735	344.29675	342.80432	16.80448	0.1863365	0.17691969	3.1425723	21	3 20.5	20.4
340586 2006 PL_{20}	15.4	X	199.92779	312.26746	55.05472	27.29015	0.1703325	0.17507534	3.1646042	21	4 12.2	21.0
340587 2006 PW_{21}	15.7	X	286.36797	16.62339	283.59067	4.72252	0.1298922	0.18143039	3.0902672	21	4 2.8	20.3
340588 2006 PJ_{23}	16.1	X	204.01819	26.51378	318.47141	5.84515	0.2518353	0.17398959	3.1777559	21	3 6.2	21.8
340589 2006 PB_{29}	14.9	X	253.15581	340.57431	354.62415	17.25834	0.2056293	0.17816637	3.1278954	21	4 1.0	20.1
340590 2006 PT_{32}	15.4	X	263.60080	246.06703	88.34554	17.43746	0.2459531	0.18169219	3.0872979	21	4 18.1	20.7
340591 2006 PZ_{36}	15.4	X	219.24372	350.17781	326.27221	10.67573	0.0813437	0.17245981	3.1965202	21	2 18.2	20.2
340592 2006 PA_{38}	15.8	X	282.07174	109.20931	159.01872	12.85731	0.1328200	0.17583324	3.1555039	21	2 20.7	20.5
340593 2006 PQ_{39}	15.7	X	181.77617	257.17625	128.91244	14.15893	0.2561386	0.17458618	3.1705126	21	4 13.1	21.5
340594 2006 QH_{1}	15.5	X	304.26243	278.38206	341.88321	21.26971	0.2029382	0.18055236	3.1002778	21	2 27.7	19.8
340595 2006 QB_{2}	15.7	X	227.54170	23.29240	306.88679	4.17321	0.1422836	0.17512424	3.1640150	21	3 10.2	20.8
340596 2006 QE_{17}	15.7	X	269.36717	207.67813	134.20074	11.88129	0.1150818	0.18471175	3.0535593	21	5 13.0	20.3
340597 2006 QN_{21}	15.8	X	210.03429	231.29992	161.53162	17.25211	0.3346109	0.17787624	3.1312957	21	5 7.4	21.8
340598 2006 QG_{22}	15.5	X	252.48216	187.88886	144.44394	14.11431	0.1093671	0.18005159	3.1060235	21	4 14.1	20.4
340599 2006 QF_{32}	15.4	X	275.97996	147.66194	175.85740	18.04070	0.1049627	0.18207690	3.0829477	21	4 28.4	20.0
340600 2006 QW_{32}	15.9	X	214.14230	6.90312	323.97982	14.49270	0.2461854	0.17203400	3.2017926	21	2 25.1	21.5
340601 2006 QQ_{39}	15.4	X	201.30026	233.68962	112.56402	28.37717	0.2039494	0.17238114	3.1974926	21	3 15.3	21.2
340602 2006 QX_{43}	16.3	X	232.51282	106.94269	284.83826	4.23875	0.1417473	0.18472604	3.0534019	21	5 28.1	21.0
340603 2006 QG_{44}	15.5	X	213.70310	257.21682	87.84613	10.86369	0.2319740	0.17551221	3.1593506	21	3 20.1	21.1
340604 2006 QW_{44}	15.8	X	245.15079	168.11634	158.02314	16.72675	0.0880697	0.17683003	3.1436344	21	3 30.5	20.6
340605 2006 QN_{48}	15.2	X	254.33649	329.00726	0.74981	16.90263	0.2915156	0.17744906	3.1363192	21	3 23.6	20.6
340606 2006 QG_{52}	16.3	X	257.31119	215.20366	96.05183	2.84463	0.2013813	0.17802447	3.1295574	21	3 13.4	21.3
340607 2006 QK_{54}	15.8	X	251.06349	44.85712	294.53460	8.95678	0.3248485	0.18022280	3.1040561	21	3 25.8	21.5
340608 2006 QA_{55}	15.2	X	182.86200	263.45619	144.72338	14.78541	0.2428788	0.17651776	3.1473409	21	5 8.2	20.9
340609 2006 QC_{55}	15.4	X	243.15317	348.06198	339.28652	16.93216	0.1930080	0.17799501	3.1299027	21	3 15.5	20.7
340610 2006 QL_{59}	15.6	X	240.49103	29.64227	329.23802	10.80789	0.1296124	0.18142357	3.0903446	21	4 22.4	20.6
340611 2006 QS_{61}	15.8	X	210.41135	169.90956	176.94988	7.17035	0.1239418	0.17283377	3.1919077	21	3 16.3	21.0
340612 2006 QN_{63}	15.8	X	192.20166	234.58669	146.70443	11.33570	0.0931382	0.17569727	3.1571317	21	4 12.3	20.8
340613 2006 QO_{65}	15.8	X	186.23743	81.24796	337.97926	9.42767	0.0647705	0.18017258	3.1046328	21	5 15.0	20.7
340614 2006 QN_{66}	15.7	X	280.76996	10.74071	335.88592	12.77419	0.0554232	0.18674192	3.0313879	21	6 4.9	20.2
340615 2006 QO_{71}	16.3	X	251.68302	211.62989	132.61741	2.52339	0.1959888	0.18005705	3.1059608	21	4 16.1	21.2
340616 2006 QL_{88}	15.6	X	214.75533	210.32463	162.17342	18.84449	0.2232962	0.17589981	3.1547078	21	4 20.1	21.2
340617 2006 QH_{93}	15.9	X	237.73038	18.22822	332.05509	8.10917	0.0904392	0.18057094	3.1000651	21	4 13.8	20.8
340618 2006 QR_{98}	15.3	X	175.46629	94.05060	333.52961	20.25262	0.2926610	0.17488668	3.1668796	21	5 15.2	21.4
340619 2006 QR_{99}	15.1	X	214.90976	36.64226	310.88225	26.54459	0.1797268	0.17518897	3.1632356	21	3 6.5	20.8
340620 2006 QW_{102}	16.0	X	237.34336	7.94545	328.21034	8.39559	0.0636811	0.17623366	3.1507224	21	3 29.9	20.8
340621 2006 QW_{106}	15.6	X	242.90161	27.83468	327.43778	12.31606	0.0770818	0.18075138	3.0980016	21	4 24.5	20.5
340622 2006 QN_{114}	15.7	X	225.90142	92.03031	279.10142	7.33145	0.1621554	0.17987265	3.1080832	21	4 23.4	20.9
340623 2006 QF_{115}	15.4	X	246.62600	88.71919	250.23530	8.91754	0.1182030	0.17852069	3.1237553	21	4 7.7	20.3
340624 2006 QT_{118}	14.9	X	205.87628	352.77372	340.75983	18.53338	0.1003323	0.16831235	3.2488180	21	2 26.4	19.8
340625 2006 QL_{120}	15.4	X	213.74800	86.91876	259.22669	7.60412	0.0817428	0.17450176	3.1715350	21	3 15.9	20.5
340626 2006 QT_{121}	15.4	X	212.19133	15.75561	1.55194	15.11204	0.2861019	0.17602344	3.1532305	21	4 14.3	21.2
340627 2006 QP_{122}	15.5	X	203.95659	66.18566	340.84219	15.39953	0.2517708	0.17642395	3.1484564	21	5 12.1	21.3
340628 2006 QV_{124}	16.2	X	244.86357	80.86074	270.41805	7.61153	0.1803772	0.18122360	3.0926176	21	4 15.4	21.4
340629 2006 QB_{125}	15.8	X	218.80887	88.86553	283.33674	9.18986	0.1084861	0.17946918	3.1127397	21	4 19.7	20.8
340630 2006 QG_{125}	15.2	X	240.05319	354.50358	323.99018	26.80021	0.1480812	0.17496916	3.1658844	21	3 1.6	20.5
340631 2006 QG_{128}	16.1	X	258.11672	80.68907	249.91739	8.27832	0.1180458	0.18025035	3.1037398	21	4 9.7	20.9
340632 2006 QG_{129}	15.1	X	271.85982	168.67412	147.78650	18.19305	0.1891212	0.17946491	3.1127890	21	4 6.6	20.1
340633 2006 QL_{134}	15.4	X	252.44619	79.42316	263.63212	13.20022	0.2035700	0.17917929	3.1160961	21	4 8.8	20.6
340634 2006 QU_{134}	15.6	X	276.65622	79.84618	281.69545	8.42566	0.0702700	0.18730980	3.0252577	21	6 18.5	19.7
340635 2006 QU_{139}	15.1	X	166.06752	66.29379	3.18240	26.10647	0.2216185	0.17571531	3.1569157	21	5 4.2	20.9
340636 2006 QC_{148}	15.5	X	221.01553	43.77707	3.30217	10.11475	0.1048929	0.18172656	3.0869086	21	6 5.9	20.4
340637 2006 QB_{155}	16.0	X	256.20377	77.27189	223.35349	8.37285	0.2114363	0.17543903	3.1602292	21	2 23.1	21.4
340638 2006 QG_{155}	16.2	X	252.63722	344.88327	9.93690	5.37041	0.1669759	0.18209917	3.0826963	21	4 29.8	21.0
340639 2006 QC_{158}	16.0	X	165.77528	98.96061	319.82873	4.81947	0.1686806	0.17481113	3.1677920	21	4 28.6	21.2
340640 2006 QS_{158}	15.7	X	229.76827	24.34709	332.76978	11.71944	0.1450100	0.17705587	3.1409606	21	4 8.9	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340641 2006 QO_{159}	16.5	X	246.32778	134.28101	176.15568	6.26950	0.2669605	0.17494052	3.1662298	21	2 25.3	21.9
340642 2006 QX_{162}	15.8	X	274.49469	309.53133	342.65029	9.43847	0.1909757	0.17518351	3.1633014	21	3 6.7	20.8
340643 2006 QZ_{163}	15.8	X	186.92250	114.80726	265.96831	2.78946	0.1873011	0.17150063	3.2084275	21	4 3.2	21.2
340644 2006 QV_{166}	15.9	X	228.87368	210.66085	174.26676	16.34312	0.1398807	0.18179718	3.0861092	21	5 19.6	21.0
340645 2006 QX_{167}	15.0	X	5.25944	228.12784	352.94554	23.10228	0.2405738	0.18256183	3.0774859	21	4 5.4	18.3
340646 2006 QH_{169}	15.1	X	199.16738	359.56122	21.45542	20.93690	0.3747631	0.17113037	3.2130538	21	4 13.0	21.2
340647 2006 QK_{173}	16.5	X	150.24873	333.44509	126.97935	3.44840	0.0592486	0.18152139	3.0892343	21	5 29.9	21.0
340648 2006 QF_{183}	16.0	X	140.49877	240.93419	194.32682	10.22478	0.1231922	0.17112384	3.2131355	21	4 24.8	21.0
340649 2006 QK_{183}	16.3	X	195.17104	208.50668	168.39721	1.92237	0.0797764	0.17225457	3.1990587	21	4 7.0	21.0
340650 2006 QQ_{185}	15.8	X	142.49811	91.65447	344.38247	10.51643	0.0478900	0.17467035	3.1694939	21	4 15.2	20.6
340651 2006 RQ_{1}	15.3	X	274.10585	20.75190	288.64663	17.43974	0.2487453	0.18050881	3.1007764	21	3 10.8	20.6
340652 2006 RD_{5}	15.5	X	222.10696	58.14562	283.55027	7.92009	0.1497037	0.17325274	3.1867597	21	3 16.1	20.9
340653 2006 RM_{7}	15.7	X	233.18545	145.34419	184.87635	15.83371	0.1892460	0.17473619	3.1686977	21	3 13.4	21.0
340654 2006 RZ_{11}	16.1	X	188.83673	166.21494	218.02807	0.41231	0.1741181	0.17174333	3.2054042	21	4 9.9	21.4
340655 2006 RC_{12}	15.2	X	280.04861	282.40174	358.53576	15.33426	0.2067770	0.17446653	3.1719620	21	3 1.1	20.1
340656 2006 RE_{13}	16.3	X	243.65803	134.16981	227.75868	9.87185	0.0656145	0.18302611	3.0722792	21	5 10.5	20.7
340657 2006 RW_{15}	15.4	X	207.80404	63.49813	283.82468	11.22359	0.1307970	0.17162127	3.2069238	21	3 8.9	20.7
340658 2006 RA_{17}	15.3	X	222.20703	53.87770	340.49107	26.28795	0.1767916	0.17827953	3.1265718	21	5 8.6	20.9
340659 2006 RF_{17}	15.8	X	263.23359	358.90467	7.81508	16.12022	0.2173506	0.18372670	3.0644641	21	5 15.5	20.9
340660 2006 RR_{25}	16.4	X	277.41366	84.26853	187.29263	8.95949	0.0493226	0.17330768	3.1860861	21	3 1.1	21.0
340661 2006 RW_{26}	15.7	X	237.18036	323.27038	15.54097	26.73686	0.1526599	0.17540688	3.1606153	21	4 1.1	20.7
340662 2006 RT_{28}	16.5	X	287.03669	83.10404	216.06618	6.19147	0.1253599	0.18143952	3.0901635	21	4 4.4	21.0
340663 2006 RO_{29}	15.9	X	199.39998	228.76518	176.29439	16.33267	0.1087538	0.18108629	3.0941807	21	5 16.8	21.0
340664 2006 RD_{30}	16.4	X	228.66855	145.34108	205.98124	10.27749	0.1391780	0.17776727	3.1325752	21	4 5.8	21.5
340665 2006 RA_{35}	15.6	X	297.95880	321.08278	352.33776	7.76137	0.0576360	0.18210000	3.0826869	21	5 14.5	20.0
340666 2006 RO_{36}	17.8	X	195.27478	261.14797	270.93984	23.85309	0.2312623	1.14246819	0.9062332	21	—	—
340667 2006 RX_{36}	15.3	X	254.97409	130.65726	158.15542	10.66003	0.1185417	0.17014414	3.2254580	21	2 19.3	20.2
340668 2006 RE_{37}	15.8	X	240.03625	161.03160	166.74104	18.48059	0.1992669	0.17437395	3.1730845	21	3 17.8	21.0
340669 2006 RD_{39}	15.4	X	216.69343	169.30375	194.95353	19.62081	0.1028579	0.17164431	3.2066368	21	4 13.3	20.4
340670 2006 RH_{39}	15.8	X	190.95988	46.65763	21.02179	16.25575	0.2385921	0.17447001	3.1719197	21	5 28.7	21.5
340671 2006 RZ_{41}	16.2	X	257.68568	144.52471	184.55904	7.03945	0.0895116	0.17491920	3.1664872	21	4 14.6	20.9
340672 2006 RJ_{42}	15.7	X	96.08151	133.52335	16.00284	5.49987	0.0859239	0.17533052	3.1615329	21	5 29.7	20.2
340673 2006 RV_{42}	15.9	X	189.03939	40.93120	13.48359	12.12518	0.0884967	0.17518372	3.1632988	21	5 12.1	20.9
340674 2006 RG_{43}	15.9	X	161.71251	274.72966	181.61037	5.65999	0.1990220	0.17463255	3.1699513	21	6 12.5	21.3
340675 2006 RQ_{54}	15.5	X	274.53487	281.52656	37.20133	5.45338	0.0439218	0.17400752	3.1775376	21	4 26.6	19.8
340676 2006 RY_{57}	16.1	X	262.95913	303.98390	9.35559	9.09736	0.0994127	0.17538552	3.1608719	21	3 30.2	20.7
340677 2006 RD_{65}	15.9	X	212.70128	65.59200	354.90269	6.97936	0.1682687	0.18188762	3.0850861	21	6 11.7	21.0
340678 2006 RH_{67}	16.2	X	301.03797	341.28409	302.97178	6.28317	0.1153727	0.18170483	3.0871548	21	4 2.3	20.6
340679 2006 RM_{69}	15.9	X	306.46343	273.71289	359.22082	7.90256	0.0873783	0.17551253	3.1593468	21	4 2.1	20.3
340680 2006 RW_{77}	16.0	X	122.53162	316.91443	168.45710	7.47003	0.1225069	0.17562959	3.1579427	21	6 5.9	20.8
340681 2006 RN_{78}	15.6	X	254.50158	326.62470	13.61694	12.08056	0.0445189	0.17627147	3.1502719	21	4 26.1	20.1
340682 2006 RM_{81}	16.1	X	278.13906	309.44328	5.93034	10.00500	0.0700004	0.17724724	3.1386994	21	4 20.4	20.6
340683 2006 RS_{83}	17.8	X	113.85439	80.54317	199.60804	2.24249	0.1682035	0.27525866	2.3405004	21	12 17.3	21.4
340684 2006 RE_{94}	15.6	X	181.95566	219.58698	211.51180	7.78775	0.0759061	0.17568365	3.1572949	21	5 29.1	20.4
340685 2006 RD_{100}	15.5	X	224.06759	65.31668	286.71282	8.09139	0.0865058	0.17505758	3.1648182	21	4 1.8	20.5
340686 2006 RX_{101}	15.3	X	207.09120	335.79180	8.53115	28.52083	0.1918190	0.17075699	3.2177358	21	3 16.6	20.8
340687 2006 RA_{108}	15.4	X	64.50557	175.35679	8.74267	10.60795	0.1624597	0.17650628	3.1474773	21	6 12.4	19.7
340688 2006 RY_{120}	16.0	X	266.13797	96.56217	215.81092	3.70004	0.0963239	0.17329773	3.1862081	21	4 1.5	20.7
340689 2006 RY_{121}	16.1	X	298.28917	301.63601	10.49016	9.48888	0.1731624	0.18272171	3.0756904	21	4 26.2	20.3
340690 2006 RH_{122}	16.3	X	205.40992	187.53440	173.91498	4.84374	0.1792158	0.17047019	3.2213439	21	3 28.8	21.5
340691 2006 RT_{122}	15.0	X	173.41797	88.42987	303.73279	19.27241	0.1336656	0.17088517	3.2161266	21	3 25.1	20.5
340692 2006 SN	15.5	X	252.32391	105.76044	257.89981	11.13126	0.1708473	0.18196599	3.0842003	21	5 9.9	20.4
340693 2006 SC_{2}	15.3	X	201.69479	76.16594	320.25800	20.98560	0.2309657	0.17507969	3.1645518	21	4 24.1	21.2
340694 2006 SW_{8}	15.7	X	240.91231	161.36070	200.19723	10.62997	0.1128677	0.17842361	3.1248883	21	5 3.8	20.5
340695 2006 SL_{9}	15.7	X	208.18693	145.14912	174.26774	16.98217	0.1037435	0.17043399	3.2218000	21	2 9.1	20.9
340696 2006 SM_{11}	15.5	X	172.20093	274.55944	181.88856	25.54972	0.2835641	0.17799488	3.1299041	21	6 21.8	21.6
340697 2006 SY_{17}	16.1	X	193.81506	23.78081	27.25163	9.25295	0.0991733	0.17463459	3.1699266	21	5 14.5	21.1
340698 2006 SF_{21}	15.5	X	196.60347	33.37238	348.37714	8.65098	0.0940131	0.17462147	3.1700853	21	4 10.8	20.5
340699 2006 SM_{21}	15.6	X	213.80585	101.67491	286.41408	1.58670	0.2364462	0.17553665	3.1590574	21	5 2.6	21.1
340700 2006 SC_{23}	15.4	X	206.82665	327.48998	53.20177	13.45288	0.1867553	0.17421139	3.1750582	21	4 23.2	20.8
340701 2006 SA_{27}	15.8	X	285.38921	55.88784	251.01785	6.97430	0.1945668	0.17887250	3.1196581	21	4 1.2	20.5
340702 2006 SU_{32}	15.4	X	282.21753	304.64981	3.74997	12.74723	0.0769447	0.17654986	3.1469593	21	4 15.1	20.0
340703 2006 SJ_{33}	15.7	X	177.12100	127.29018	260.39731	5.04761	0.1422761	0.17020559	3.2246815	21	4 1.1	21.0
340704 2006 SR_{33}	15.8	X	225.16727	109.42495	210.23938	9.61986	0.1550563	0.16973159	3.2306824	21	2 22.6	21.2
340705 2006 SK_{36}	15.4	X	270.64063	307.27058	24.65354	19.90072	0.1000995	0.17956702	3.1116089	21	4 27.1	19.9
340706 2006 SU_{38}	15.5	X	267.10839	343.90464	355.75498	9.62109	0.0538660	0.17830179	3.1263115	21	5 8.6	20.1
340707 2006 SN_{39}	15.7	X	193.38484	172.09696	213.73962	6.05287	0.2081782	0.17213416	3.2005505	21	4 15.2	21.2
340708 2006 SQ_{39}	15.3	X	214.00874	49.91239	332.01991	11.09881	0.0754110	0.17638814	3.1488825	21	4 27.2	20.2
340709 2006 SJ_{45}	15.6	X	50.12737	333.53987	224.15843	11.05062	0.0724719	0.18380461	3.0635980	21	5 28.8	19.6
340710 2006 SB_{47}	15.8	X	245.67241	38.09165	324.72731	6.56311	0.1147815	0.17984432	3.1084095	21	5 6.5	20.6
340711 2006 SF_{47}	15.9	X	8.23681	257.96709	332.66792	9.32314	0.0059047	0.17881634	3.1203112	21	5 5.7	20.5
340712 2006 ST_{52}	15.8	X	258.45786	133.82202	203.75062	12.14858	0.1045397	0.17778762	3.1323363	21	4 23.6	20.5
340713 2006 SV_{55}	15.2	X	245.16898	306.36545	35.68791	26.44870	0.1767852	0.17466181	3.1695972	21	4 13.8	20.4
340714 2006 SQ_{57}	15.9	X	213.08179	67.89921	296.72644	7.64799	0.2532284	0.17350984	3.1836108	21	4 1.4	21.6
340715 2006 SE_{58}	16.1	X	287.46732	117.02102	198.96851	10.55941	0.1376757	0.18383007	3.0633151	21	4 25.9	20.5
340716 2006 SE_{64}	16.3	X	209.84759	161.37575	226.20538	0.64569	0.1294608	0.17335100	3.1855553	21	5 2.8	21.4
340717 2006 SA_{66}	15.9	X	227.17903	83.01691	245.42289	6.05605	0.1427106	0.17449881	3.1715708	21	3 6.6	21.2
340718 2006 SQ_{68}	15.7	X	241.15378	154.77403	179.04653	15.62825	0.0684101	0.17324695	3.1868307	21	4 4.9	20.5
340719 2006 SH_{70}	16.2	X	287.37251	249.60015	56.95215	1.84879	0.1466859	0.17613010	3.1519574	21	4 13.0	20.7
340720 2006 SR_{76}	16.0	X	235.55476	201.76850	236.85003	10.30069	0.1748374	0.19121802	2.9838947	21	7 22.9	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340721 2006 SB_{85}	16.3	X	38.56723	161.06063	15.64214	11.35340	0.0729460	0.17077592	3.2174980	21	4 14.2	20.6
340722 2006 SC_{85}	15.7	X	186.78587	12.42325	23.60628	7.23587	0.0405910	0.17254407	3.1954795	21	4 19.9	20.3
340723 2006 SE_{114}	16.1	X	203.39906	78.63341	4.73410	14.53070	0.2830456	0.17992533	3.1074764	21	6 29.2	21.9
340724 2006 SM_{131}	16.3	X	265.61523	113.06518	190.64205	15.39348	0.2667800	0.17859386	3.1229021	21	3 2.6	21.6
340725 2006 SV_{133}	15.4	X	110.72747	156.69014	335.83439	8.39287	0.0340532	0.17598923	3.1536391	21	5 17.4	20.0
340726 2006 SH_{137}	15.8	X	238.54007	239.23383	93.93714	11.13606	0.2311882	0.17611898	3.1520900	21	3 25.3	21.3
340727 2006 SP_{140}	15.3	X	195.99190	290.48592	74.73398	16.92619	0.1193666	0.16976279	3.2302865	21	4 2.9	20.7
340728 2006 SM_{142}	15.9	X	313.30556	283.72694	5.09249	11.54351	0.0405816	0.18004619	3.1060857	21	5 4.6	20.4
340729 2006 SL_{143}	15.7	X	257.50325	241.70800	6.22338	9.57653	0.0590458	0.15874031	3.3781419	21	1 15.6	20.9
340730 2006 SZ_{143}	15.5	X	30.31431	223.95063	6.42471	11.15762	0.0526042	0.17977048	3.1092607	21	6 8.1	19.8
340731 2006 SQ_{155}	15.2	X	199.19388	205.81270	149.55513	13.63160	0.0777718	0.17109869	3.2134503	21	3 18.6	20.1
340732 2006 SK_{163}	16.2	X	184.95260	15.94483	52.17355	2.23065	0.1849997	0.17357133	3.1828589	21	5 28.3	21.4
340733 2006 SO_{164}	15.5	X	248.29756	18.41670	307.74061	16.42632	0.0899871	0.17684524	3.1434541	21	3 21.9	20.6
340734 2006 SF_{165}	15.8	X	316.49900	313.21204	322.01646	6.50948	0.2325234	0.18088551	3.0964699	21	3 25.7	20.0
340735 2006 SX_{165}	15.9	X	220.03355	68.06841	253.71916	3.81243	0.1195080	0.16827699	3.2492732	21	2 23.2	21.2
340736 2006 SD_{172}	16.5	X	164.54251	267.17243	188.24635	14.05644	0.1107368	0.17822761	3.1271789	21	6 10.9	21.6
340737 2006 SN_{179}	15.8	X	45.04235	86.12486	26.08673	5.40691	0.0524620	0.15912815	3.3726508	21	2 6.6	20.3
340738 2006 SJ_{190}	15.8	X	139.43754	99.37404	9.24296	11.18758	0.0419091	0.17794546	3.1304837	21	5 22.5	20.5
340739 2006 SL_{194}	15.8	X	279.96231	319.50408	353.24592	7.34090	0.0899977	0.17525540	3.1624362	21	4 16.9	20.3
340740 2006 SW_{198}	15.5	X	258.13227	247.07653	71.56490	17.43474	0.2258855	0.17922266	3.1155934	21	3 28.6	20.9
340741 2006 SA_{200}	16.1	X	152.03631	99.59698	4.85804	5.19969	0.1519076	0.17367095	3.1816416	21	6 10.8	21.3
340742 2006 SY_{206}	16.3	X	243.80762	327.78003	25.01407	4.25003	0.0743641	0.17386525	3.1792708	21	4 28.5	20.9
340743 2006 SC_{208}	16.2	X	262.47229	139.13638	179.24385	16.99179	0.2098236	0.18018509	3.1044892	21	3 24.4	21.2
340744 2006 SS_{210}	15.5	X	274.75269	335.03823	21.91769	16.84286	0.1040811	0.18316288	3.0707496	21	6 1.1	20.1
340745 2006 SC_{215}	15.5	X	175.24207	54.26983	23.51785	15.90535	0.2449779	0.17312453	3.1883328	21	5 29.2	21.2
340746 2006 SO_{232}	16.2	X	176.36725	241.47368	235.50817	4.00260	0.1032413	0.18379770	3.0636749	21	7 17.9	21.0
340747 2006 SE_{241}	16.0	X	187.02892	214.31795	181.70195	14.33984	0.0822803	0.17237203	3.1976053	21	4 23.4	21.0
340748 2006 SL_{243}	16.5	X	146.88075	0.65131	122.70323	2.70438	0.1599163	0.17840687	3.1250837	21	6 29.9	21.5
340749 2006 SK_{264}	15.7	X	211.44555	3.47329	252.57191	8.74833	0.0236595	0.14872452	3.5281550	21	—	—
340750 2006 SG_{270}	15.8	X	341.84578	38.98275	208.98822	9.84627	0.0364886	0.18113231	3.0936566	21	4 25.3	20.0
340751 2006 SB_{276}	15.9	X	218.87173	238.77368	173.61934	15.02690	0.1282939	0.18473142	3.0533426	21	6 11.6	21.0
340752 2006 SC_{276}	16.4	X	151.56608	225.21843	180.42297	8.90121	0.0531069	0.17272136	3.1932923	21	3 24.6	21.1
340753 2006 SY_{282}	15.6	X	262.15711	350.90968	14.22148	9.70367	0.1113079	0.18372975	3.0644302	21	5 28.2	20.2
340754 2006 SV_{283}	15.5	X	241.16131	151.01225	166.68784	18.16752	0.1902963	0.17057367	3.2200408	21	3 7.1	20.6
340755 2006 SD_{287}	15.4	X	225.68346	147.51887	216.92372	25.71362	0.1332435	0.17552642	3.1591801	21	4 19.2	20.4
340756 2006 ST_{289}	15.3	X	283.38743	264.45864	44.56552	26.22419	0.2185938	0.17801716	3.1296430	21	4 11.4	20.2
340757 2006 SQ_{294}	16.3	X	228.77959	135.65541	195.80060	10.39767	0.2027154	0.17204826	3.2016157	21	3 10.2	21.7
340758 2006 SH_{298}	16.4	X	156.33616	266.59983	186.55443	1.35072	0.1731549	0.17242163	3.1969920	21	6 2.8	21.7
340759 2006 SX_{300}	15.6	X	195.51226	333.75839	60.68967	10.96216	0.0996424	0.17194466	3.2029015	21	4 30.1	20.6
340760 2006 SY_{307}	15.4	X	92.83548	144.49150	4.36066	16.14367	0.0508602	0.17432132	3.1737231	21	5 15.1	20.2
340761 2006 SL_{310}	15.4	X	269.49447	291.94614	11.15122	23.71096	0.1415425	0.17296937	3.1902392	21	3 23.8	20.2
340762 2006 SJ_{318}	15.7	X	285.26560	236.76883	34.92943	14.23063	0.2411743	0.17158843	3.2073330	21	2 23.4	20.9
340763 2006 SH_{323}	16.4	X	165.40784	277.31008	146.77992	3.92364	0.0153322	0.17280528	3.1922584	21	4 30.6	20.9
340764 2006 SS_{324}	16.2	X	147.86488	314.24850	159.95327	3.86139	0.1471729	0.17584886	3.1553171	21	6 19.1	21.2
340765 2006 SY_{324}	14.9	X	204.77899	343.99215	58.82794	29.71815	0.2263732	0.17535126	3.1612836	21	5 15.5	20.4
340766 2006 SF_{327}	16.3	X	174.62276	8.84814	58.48132	3.01752	0.1176740	0.17233391	3.1980768	21	5 17.4	21.2
340767 2006 SN_{329}	16.2	X	115.49338	313.66030	171.24069	4.61590	0.1306756	0.17129854	3.2109504	21	5 29.6	21.0
340768 2006 SS_{333}	15.9	X	144.84157	84.22856	29.75814	11.71522	0.1208623	0.17623538	3.1507019	21	6 12.5	21.0
340769 2006 SM_{334}	15.8	X	169.48805	233.72037	175.49383	10.66208	0.1177392	0.17014450	3.2254534	21	4 22.9	20.9
340770 2006 SW_{335}	16.0	X	69.69460	145.98911	63.00663	7.46786	0.0666994	0.18241934	3.0790881	21	7 9.7	20.2
340771 2006 SF_{336}	16.0	X	170.87143	342.94211	107.02076	5.20192	0.0491218	0.17793455	3.1306117	21	6 8.6	20.6
340772 2006 SP_{347}	15.8	X	218.81579	157.75966	203.93066	13.84167	0.0748198	0.17096836	3.2150832	21	4 12.9	20.7
340773 2006 SR_{351}	15.6	X	272.94471	321.65968	22.24555	9.77652	0.0707743	0.18030811	3.1030769	21	5 19.8	20.1
340774 2006 SR_{353}	15.3	X	186.83810	357.56288	40.23669	13.26148	0.1042951	0.17067283	3.2187936	21	4 24.4	20.4
340775 2006 SO_{358}	15.5	X	8.55410	191.19435	37.63753	9.72315	0.0285326	0.17398853	3.1777688	21	5 7.0	19.7
340776 2006 SG_{366}	15.2	X	46.41009	102.21953	35.28071	17.63615	0.0369852	0.15810282	3.3872166	21	3 16.2	20.1
340777 2006 SM_{368}	15.5	X	281.98303	288.39546	355.30120	15.77536	0.1838703	0.17497004	3.1658737	21	3 7.2	20.2
340778 2006 SL_{375}	15.9	X	144.68286	64.44065	61.90143	3.47670	0.0417258	0.18131559	3.0915714	21	6 23.2	20.4
340779 2006 SD_{379}	16.1	X	180.05755	228.98328	178.06717	5.87378	0.1640612	0.17306197	3.1891011	21	4 30.4	21.3
340780 2006 SA_{380}	16.0	X	267.70325	194.14953	136.57329	9.71659	0.0752563	0.17492771	3.1663845	21	5 2.7	20.7
340781 2006 SM_{382}	15.2	X	256.06145	243.99775	58.96220	27.44128	0.2562710	0.17003559	3.2268306	21	3 13.9	21.1
340782 2006 SM_{383}	16.1	X	159.48359	273.92710	157.80199	9.89744	0.1206676	0.17140097	3.2096711	21	5 10.9	21.2
340783 2006 SV_{383}	16.0	X	284.46315	256.90658	42.77274	15.79517	0.2275910	0.17674350	3.1446604	21	3 28.1	20.9
340784 2006 SW_{391}	15.7	X	194.74989	200.20269	219.96844	11.49966	0.1316263	0.17813155	3.1283031	21	5 28.2	20.7
340785 2006 SY_{394}	16.2	X	214.26623	82.20898	327.21805	13.93842	0.2862817	0.17593160	3.1543277	21	5 23.8	22.1
340786 2006 SZ_{394}	16.3	X	203.06139	68.44642	9.06283	11.75464	0.3156495	0.17879657	3.1205413	21	6 19.7	22.2
340787 2006 SN_{395}	15.7	X	331.18826	239.12983	17.09666	12.44845	0.1070190	0.17529563	3.1619524	21	4 12.8	19.8
340788 2006 SD_{403}	16.0	X	273.57960	290.99225	32.43350	9.85087	0.1214978	0.17779874	3.1322057	21	4 20.7	20.5
340789 2006 SE_{403}	15.3	X	42.34597	120.34259	32.63776	14.78406	0.0484845	0.16190744	3.3339431	21	3 26.5	19.9
340790 2006 SJ_{405}	15.7	X	293.78012	101.96961	195.34300	11.45927	0.0446074	0.17579950	3.1559077	21	4 24.7	20.1
340791 2006 TE_{10}	15.5	X	136.72120	216.15755	250.81820	10.66712	0.0320242	0.17740862	3.1367957	21	5 18.8	19.9
340792 2006 TW_{15}	15.4	X	264.57570	103.09433	205.36163	15.05971	0.0041960	0.16991001	3.2284203	21	4 6.7	19.9
340793 2006 TZ_{15}	16.0	X	173.29332	240.15264	206.74672	10.25870	0.0613438	0.17726222	3.1385226	21	6 7.8	20.8
340794 2006 TG_{16}	15.9	X	270.21460	97.70690	202.65351	9.35197	0.0525995	0.16941332	3.2347273	21	3 28.1	20.5
340795 2006 TT_{44}	18.2	X	317.59932	108.51441	221.22249	0.81643	0.2286479	0.31835258	2.1242084	21	6 3.8	19.9
340796 2006 TB_{60}	15.6	X	258.88165	12.41402	251.31356	7.00354	0.0209793	0.15563609	3.4229128	21	2 3.9	20.7
340797 2006 TB_{65}	15.9	X	179.03815	161.36844	249.11785	4.72928	0.1880205	0.17323247	3.1870083	21	5 1.9	21.3
340798 2006 TF_{66}	15.6	X	284.77740	268.90363	34.16075	12.82921	0.0705664	0.17533028	3.1615357	21	4 16.9	19.9
340799 2006 TL_{66}	15.3	X	156.30860	66.29693	17.69991	15.95132	0.0756919	0.17458444	3.1705336	21	5 12.4	20.3
340800 2006 TT_{68}	15.8	X	191.14515	25.63460	40.04989	9.95021	0.0706682	0.17722453	3.1389676	21	5 30.2	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340801 2006 TZ_{68}	15.6	X	213.97048	318.71506	51.08881	13.01029	0.1132715	0.17255908	3.1952941	21	4 19.2	20.6
340802 2006 TD_{70}	15.2	X	186.79510	159.75834	238.57628	15.40702	0.0834602	0.17022906	3.2243852	21	4 22.0	20.3
340803 2006 TC_{71}	16.3	X	178.77171	173.94868	247.48943	5.23432	0.1751572	0.17205309	3.2015557	21	5 14.9	21.7
340804 2006 TR_{78}	14.9	X	78.47520	49.22854	20.59644	16.50054	0.0905491	0.15444114	3.4405461	21	2 9.9	19.8
340805 2006 TY_{98}	15.5	X	137.30048	266.96529	181.38190	18.46951	0.1648365	0.17161418	3.2070121	21	5 12.6	20.8
340806 2006 TQ_{103}	15.6	X	93.58936	166.18867	210.26474	9.62618	0.1178971	0.14870251	3.5285031	21	—	—
340807 2006 TO_{105}	15.9	X	278.89958	244.47324	59.91639	5.98775	0.1279186	0.17153347	3.2080181	21	4 5.4	20.7
340808 2006 TF_{111}	15.5	X	333.79546	216.07946	59.69254	11.72888	0.1945435	0.18032764	3.1028528	21	5 3.9	19.1
340809 2006 UA_{3}	15.0	X	334.11013	155.69640	197.39732	12.74546	0.2006792	0.12225952	4.0205080	21	8 10.8	19.9
340810 2006 UY_{4}	16.0	X	299.14707	271.70950	32.45713	10.68312	0.0594521	0.17639073	3.1488518	21	5 5.7	20.5
340811 2006 UR_{11}	15.7	X	177.67074	146.03004	198.55438	7.17792	0.1286603	0.15998977	3.3605311	21	2 11.8	21.1
340812 2006 UM_{20}	16.4	X	144.44516	99.30174	5.71610	4.59443	0.1245211	0.17276929	3.1927017	21	6 2.1	21.4
340813 2006 UD_{26}	15.7	X	267.63362	318.51477	5.57933	14.21217	0.0481706	0.17683585	3.1435655	21	4 20.0	20.3
340814 2006 UR_{29}	15.8	X	320.51090	255.75975	25.66166	9.57032	0.0269756	0.17383265	3.1796683	21	5 8.9	20.2
340815 2006 UW_{55}	16.2	X	79.12331	318.61598	257.90286	8.58740	0.0316820	0.18908532	3.0062898	21	7 24.2	20.5
340816 2006 UE_{56}	15.9	X	193.37435	164.84776	225.00009	8.03267	0.0927686	0.17488856	3.1668570	21	4 19.3	20.8
340817 2006 UE_{80}	15.8	X	137.41601	63.32108	49.77834	10.44048	0.0875444	0.17265012	3.1941708	21	6 1.4	20.6
340818 2006 UQ_{82}	15.2	X	216.66485	359.00506	19.48713	10.44494	0.0450111	0.17128259	3.2111499	21	4 30.6	20.0
340819 2006 UT_{87}	15.4	X	69.76216	60.95451	46.24944	10.92507	0.0922683	0.15486115	3.4343224	21	3 13.5	20.1
340820 2006 UU_{96}	16.1	X	173.67590	333.42938	89.20457	3.54837	0.0844908	0.17090381	3.2158927	21	5 10.7	21.0
340821 2006 UQ_{110}	15.6	X	132.66190	249.68202	198.17675	15.83725	0.1322602	0.17179811	3.2047228	21	5 3.2	20.6
340822 2006 UT_{125}	16.1	X	212.93560	293.03401	13.46198	9.61350	0.1353335	0.16018654	3.3577785	21	2 5.2	21.6
340823 2006 UY_{131}	16.1	X	211.79826	353.47775	27.65301	10.97754	0.1323474	0.17374212	3.1807727	21	4 25.9	21.3
340824 2006 UN_{147}	15.4	X	187.68599	229.46697	157.36559	27.91775	0.2030565	0.17538064	3.1609305	21	4 17.0	21.1
340825 2006 UL_{148}	15.8	X	290.19188	287.09039	9.82180	16.38641	0.1985091	0.17936418	3.1139543	21	3 28.2	20.2
340826 2006 UF_{152}	15.4	X	159.04749	242.15362	166.52627	20.18017	0.2333094	0.16446108	3.2993417	21	4 20.3	21.2
340827 2006 UR_{175}	15.9	X	254.40506	280.32899	60.50739	9.82510	0.1755510	0.17715129	3.1398326	21	4 18.5	20.8
340828 2006 UW_{175}	15.8	X	152.18138	79.10607	36.57106	12.21421	0.0658738	0.17896347	3.1186008	21	6 19.2	20.6
340829 2006 UD_{209}	15.8	X	334.99090	197.70080	62.38740	5.83615	0.1113450	0.17184841	3.2040974	21	4 25.8	19.9
340830 2006 UU_{241}	16.1	X	175.98926	217.52439	203.60152	7.97377	0.2165313	0.17523650	3.1626636	21	5 14.1	21.6
340831 2006 UO_{242}	18.4	X	289.20522	27.91041	351.83758	4.19382	0.0599617	0.32037512	2.1152589	21	8 6.6	20.4
340832 2006 UE_{262}	17.0	X	250.22042	134.23687	253.85689	4.60002	0.1822504	0.30748938	2.1739487	21	6 3.0	20.1
340833 2006 UU_{270}	18.3	X	301.79339	102.85738	220.75877	5.49698	0.1474361	0.31230937	2.1515232	21	5 13.1	20.6
340834 2006 UP_{306}	15.9	X	60.56279	164.49840	9.21739	3.83297	0.0808209	0.17830025	3.1263295	21	5 12.4	20.1
340835 2006 VO_{4}	15.1	X	117.27132	166.24709	242.17676	9.02058	0.1523881	0.15557793	3.4237659	21	2 27.7	20.3
340836 2006 VO_{13}	17.3	X	313.07940	281.90735	45.90146	5.78883	0.3283925	0.31736274	2.1286230	21	5 3.6	19.5
340837 2006 VC_{96}	18.1	X	222.43924	53.70625	19.04616	3.55830	0.0854525	0.31259380	2.1502179	21	7 14.9	20.9
340838 2006 VL_{129}	14.7	X	84.88213	183.52743	265.63298	15.64159	0.1039733	0.15430368	3.4425891	21	2 27.7	19.7
340839 2006 VB_{139}	17.1	X	333.47925	322.64479	274.31723	6.36143	0.0707443	0.28776940	2.2721638	21	3 6.3	19.9
340840 2006 WF_{11}	17.5	X	249.02531	71.77037	336.96866	3.34682	0.0959847	0.31394238	2.1440558	21	7 13.2	20.1
340841 2006 WJ_{39}	15.4	X	233.11527	75.79993	233.98564	9.51496	0.0800858	0.15790034	3.3901117	21	2 22.8	20.8
340842 2006 WT_{69}	16.0	X	234.41055	63.33000	279.29107	3.44269	0.1462882	0.17151681	3.2082258	21	3 30.9	21.1
340843 2006 WJ_{89}	17.8	X	24.04838	196.33571	324.02427	2.40782	0.0860077	0.28804294	2.2707251	21	2 7.3	19.8
340844 2006 WK_{139}	18.5	X	310.98245	211.82957	127.20273	1.49086	0.2210248	0.31629435	2.1334138	21	6 8.2	20.2
340845 2006 WY_{150}	14.8	X	319.59101	324.78831	145.35104	8.42472	0.1883620	0.12283641	4.0079101	21	12 12.7	19.6
340846 2006 XH_{22}	17.6	X	240.95429	301.73103	93.71879	7.25685	0.1581940	0.30966526	2.1637532	21	6 5.9	20.4
340847 2006 XY_{26}	15.5	X	156.51935	62.69827	107.57328	27.08230	0.3561928	0.17220010	3.1997333	21	9 14.6	21.9
340848 2006 XO_{27}	17.2	X	256.41850	127.09262	268.61395	3.86972	0.0467318	0.31080768	2.1584478	21	7 10.9	19.6
340849 2006 XJ_{31}	18.1	X	212.53553	89.77445	289.30965	2.76896	0.1479233	0.30148727	2.2027070	21	4 13.8	21.5
340850 2006 XN_{37}	17.1	X	318.81771	339.35623	271.93959	6.04662	0.1258148	0.28996188	2.2606957	21	2 24.1	20.0
340851 2006 YZ_{29}	17.8	X	282.05251	353.44416	18.70778	2.45340	0.1240696	0.30946474	2.1646878	21	6 30.7	20.1
340852 2006 YP_{34}	17.4	X	312.73076	248.38490	338.29896	6.09041	0.0984271	0.28221753	2.3018661	21	1 23.5	20.3
340853 2006 YP_{46}	17.4	X	116.51938	257.23887	255.66668	4.72989	0.0887081	0.29937575	2.2130521	21	6 27.6	20.0
340854 2006 YN_{54}	18.0	X	149.26038	158.76016	304.40693	2.44999	0.0989084	0.29910266	2.2143989	21	5 29.5	20.9
340855 2007 AB_{8}	17.4	X	127.58407	82.17307	92.45591	5.23235	0.0642130	0.30535910	2.1840478	21	8 12.4	20.1
340856 2007 AS_{23}	17.7	X	231.11309	152.18649	253.08749	3.07636	0.1486244	0.30569992	2.1824242	21	6 9.2	20.7
340857 2007 AL_{28}	17.9	X	287.01151	32.53737	128.24919	2.41036	0.1273804	0.26505026	2.4002173	21	—	—
340858 2007 BQ_{5}	17.6	X	203.81809	38.49036	61.25037	3.12451	0.0750691	0.30825736	2.1703365	21	7 31.6	20.3
340859 2007 BQ_{7}	16.5	X	229.58686	220.54792	117.94780	27.84359	0.2520507	0.29259356	2.2471197	21	3 15.9	20.8
340860 2007 BL_{10}	17.9	X	162.63598	180.25938	279.97550	3.57256	0.1171497	0.30067933	2.2066511	21	6 11.7	21.0
340861 2007 BN_{17}	17.3	X	353.13686	275.09437	256.98898	2.81072	0.1766326	0.27807241	2.3246850	21	—	—
340862 2007 BG_{23}	17.7	X	63.44755	68.57404	120.00287	4.40275	0.0576280	0.29625074	2.2285878	21	5 28.4	20.0
340863 2007 BH_{24}	17.6	X	234.85535	227.86184	122.49359	4.52930	0.1860646	0.29548970	2.2324127	21	3 31.6	21.0
340864 2007 BM_{24}	17.9	X	324.16191	269.78745	301.78855	4.19354	0.0192525	0.28248564	2.3004094	21	1 29.0	20.5
340865 2007 BY_{26}	17.3	X	151.89812	149.02941	306.31316	7.11104	0.0599507	0.29636148	2.2280326	21	5 16.4	20.2
340866 2007 BF_{27}	17.5	X	23.34127	213.43963	323.37227	1.92288	0.1719129	0.28381759	2.2932066	21	2 26.5	18.9
340867 2007 BM_{49}	16.9	X	321.13839	310.03210	255.88112	7.86048	0.1778003	0.27584982	2.3371553	21	—	—
340868 2007 BC_{63}	17.2	X	236.03119	349.20268	304.98568	5.27783	0.1208633	0.27833766	2.3232079	21	1 22.7	20.6
340869 2007 BJ_{69}	17.3	X	206.80392	86.62084	327.01122	5.88439	0.1312391	0.29803945	2.2196622	21	5 25.2	20.7
340870 2007 BA_{70}	17.8	X	165.21413	92.26071	43.85795	0.90308	0.0814110	0.30279621	2.1963545	21	8 3.9	20.8
340871 2007 BU_{75}	18.5	X	172.33301	84.82058	358.66478	0.84386	0.1656658	0.29963726	2.2117643	21	5 31.9	21.8
340872 2007 BR_{76}	17.4	X	120.33686	63.51114	75.85894	4.72766	0.0789800	0.29624284	2.2286274	21	6 11.8	20.1
340873 2007 BX_{76}	17.2	X	254.86689	74.16119	146.27680	3.09546	0.1424856	0.26799504	2.3826023	21	—	—
340874 2007 BE_{79}	17.0	X	259.46895	242.85778	342.10189	5.46303	0.1409019	0.26712408	2.3877784	21	—	—
340875 2007 BW_{101}	17.2	X	264.01047	124.95265	90.64276	3.92848	0.1911590	0.26542627	2.3979500	21	—	—
340876 2007 CY_{2}	18.0	X	118.04476	312.72211	156.80280	5.68278	0.0377335	0.29092030	2.2557278	21	4 22.1	20.7
340877 2007 CR_{10}	17.3	X	241.79746	317.76118	317.74659	6.70386	0.2685556	0.27290392	2.3539444	21	1 3.8	21.5
340878 2007 CE_{16}	17.2	X	247.88298	159.02503	129.28301	6.67250	0.1849250	0.27863991	2.3215275	21	1 24.4	21.0
340879 2007 CF_{21}	17.4	X	321.12594	66.21819	140.10881	7.21741	0.0631125	0.27800676	2.3250510	21	1 11.7	20.3
340880 2007 CE_{25}	17.0	X	12.16156	271.93514	311.45971	6.25274	0.1822665	0.28609793	2.2810050	21	4 14.7	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340881 2007 CZ_{25}	17.3	X	66.05700	231.28061	272.43840	2.94071	0.1362137	0.28585109	2.2823180	21	4 3.3	19.5
340882 2007 CH_{36}	17.2	X	319.21716	181.78199	356.49131	5.82707	0.1446474	0.27027804	2.3691663	21	—	—
340883 2007 CC_{39}	17.7	X	136.93976	292.84785	159.17355	2.62520	0.1305157	0.29309919	2.2445346	21	5 4.1	20.7
340884 2007 CA_{42}	17.3	X	65.14321	168.28114	345.02101	6.88632	0.1399553	0.28610109	2.2809882	21	4 15.8	19.6
340885 2007 CQ_{42}	17.0	X	112.70063	106.97234	312.13689	2.96468	0.0882275	0.21258813	2.7804177	21	2 21.9	20.8
340886 2007 CR_{45}	15.0	X	321.32301	309.68413	149.95009	11.66937	0.2297269	0.12496281	3.9623137	21	12 1.8	19.7
340887 2007 CQ_{49}	17.4	X	188.59359	218.00254	179.51424	5.08302	0.1070161	0.29207998	2.2497531	21	4 16.5	20.4
340888 2007 CY_{52}	17.3	X	11.61447	213.19401	347.94597	1.87558	0.1528797	0.28367612	2.2939689	21	3 13.8	19.1
340889 2007 CL_{53}	17.1	X	231.06393	253.02313	350.98586	6.05254	0.1377022	0.26543402	2.3979033	21	—	—
340890 2007 CQ_{53}	17.3	X	91.21155	191.81816	344.85960	4.41746	0.0886325	0.29605213	2.2295844	21	6 27.9	19.9
340891 Londoncommorch	17.1	X	49.49384	259.74048	293.87169	3.31363	0.1235649	0.28814100	2.2702099	21	5 19.8	19.1
340892 2007 CN_{57}	17.3	X	144.59313	71.19699	34.24683	6.02612	0.1094489	0.29612069	2.2292403	21	5 27.7	20.2
340893 2007 CQ_{57}	15.1	X	344.47558	66.40046	13.15772	9.38422	0.2123436	0.12621631	3.9360360	21	12 20.2	19.6
340894 2007 CG_{60}	17.0	X	346.02149	237.54029	286.29934	4.59124	0.1609872	0.27288717	2.3540407	21	—	—
340895 2007 CH_{63}	16.9	X	288.57071	238.82016	341.16760	9.78086	0.1691379	0.26996761	2.3709821	21	—	—
340896 2007 CJ_{63}	16.9	X	338.36851	272.79984	335.38839	9.44212	0.0834841	0.28619792	2.2804737	21	3 28.7	19.4
340897 2007 CQ_{64}	17.5	X	267.89147	40.99312	299.56281	4.39651	0.1648783	0.29734221	2.2231308	21	4 18.2	20.6
340898 2007 DV_{3}	17.6	X	74.99407	333.99753	172.60954	7.84587	0.0365552	0.28742110	2.2739991	21	4 12.1	20.1
340899 2007 DA_{15}	17.7	X	155.46682	346.96937	98.08539	4.66136	0.1162646	0.29404095	2.2397395	21	5 14.9	20.8
340900 2007 DB_{21}	17.5	X	127.95991	139.20117	345.56789	4.33529	0.0897668	0.29347846	2.2426004	21	6 1.4	20.4
340901 2007 DU_{25}	17.2	X	148.07613	327.36395	143.32492	6.03630	0.0501274	0.29409888	2.2394453	21	6 5.0	20.0
340902 2007 DK_{26}	17.7	X	121.24968	311.19003	124.42850	3.42773	0.0630922	0.28271479	2.2991662	21	3 13.8	20.4
340903 2007 DX_{26}	17.5	X	131.58978	113.99159	353.28168	7.79358	0.0864301	0.29088831	2.2558932	21	5 9.6	20.5
340904 2007 DE_{33}	17.9	X	58.14373	115.63494	24.56830	2.24716	0.1059635	0.28192559	2.3034549	21	3 13.6	20.0
340905 2007 DT_{33}	17.7	X	80.49074	28.79255	144.78981	4.31398	0.0951984	0.29101182	2.2552549	21	6 8.4	20.2
340906 2007 DB_{37}	17.6	X	94.15002	191.41856	342.17571	5.00143	0.1202682	0.29318746	2.2440840	21	7 3.2	20.4
340907 2007 DC_{38}	16.8	X	315.15382	245.70823	323.90214	3.65332	0.0914736	0.27255757	2.3559381	21	1 6.2	19.6
340908 2007 DM_{38}	17.5	X	224.01436	220.94413	27.13798	2.50742	0.1809686	0.25926523	2.4357901	21	—	—
340909 2007 DP_{38}	17.6	X	253.05422	256.97290	7.11840	7.27040	0.0986499	0.26936821	2.3744981	21	1 5.7	21.2
340910 2007 DZ_{46}	17.7	X	145.13499	275.78713	174.87557	5.10218	0.1460693	0.29277508	2.2461908	21	5 13.8	20.9
340911 2007 DB_{52}	17.3	X	238.57058	290.89000	331.67896	6.61473	0.0960510	0.26749331	2.3855806	21	—	—
340912 2007 DX_{53}	13.8	X	354.70574	271.93465	358.70237	24.21517	0.0630544	0.08330264	5.1923450	21	6 10.7	20.7
340913 2007 DH_{64}	17.4	X	198.41591	118.24982	153.12113	7.73379	0.1592366	0.26163924	2.4210335	21	—	—
340914 2007 DU_{72}	17.7	X	253.36524	221.95870	21.33141	1.30551	0.1454663	0.26575157	2.3959927	21	—	—
340915 2007 DW_{75}	17.8	X	291.49933	52.76518	173.90559	2.58043	0.1329601	0.27084240	2.3658740	21	—	—
340916 2007 DM_{80}	17.4	X	270.42851	89.59848	142.30592	4.05830	0.1203817	0.26938167	2.3744190	21	—	—
340917 2007 DP_{91}	17.6	X	60.38569	337.98523	147.01508	5.94389	0.0969086	0.28125146	2.3071342	21	2 21.6	19.8
340918 2007 DZ_{95}	16.9	X	351.20570	163.83000	56.38891	2.96557	0.1690666	0.28076442	2.3098016	21	3 2.9	19.0
340919 2007 DU_{96}	17.5	X	241.73838	31.11237	178.26018	7.25247	0.1006327	0.25887640	2.4382285	21	—	—
340920 2007 DM_{105}	17.8	X	1.86590	17.65186	198.91439	2.25516	0.1447005	0.28274305	2.2990130	21	3 18.8	19.6
340921 2007 DB_{111}	17.3	X	159.80811	137.31184	174.95186	2.07556	0.1926933	0.26073808	2.4266086	21	—	—
340922 2007 DY_{111}	16.4	X	266.65579	21.61420	203.71072	21.59802	0.0784143	0.26016007	2.4302015	21	—	—
340923 2007 DE_{112}	16.9	X	269.28197	224.48512	17.22707	7.17694	0.0645407	0.26697495	2.3886676	21	—	—
340924 2007 DD_{114}	15.9	X	82.89523	275.77931	34.06179	12.86208	0.2049503	0.23625284	2.5915009	21	12 20.9	20.2
340925 2007 DG_{115}	13.6	X	302.46770	131.01218	182.51582	25.00947	0.0827414	0.08179542	5.2559359	21	5 27.2	20.7
340926 2007 EP	16.7	X	61.24704	176.95076	304.32295	6.53764	0.0622378	0.27925130	2.3181378	21	2 13.7	19.3
340927 2007 EK_{2}	17.0	X	213.16874	298.35246	343.25807	5.66162	0.1215437	0.26582661	2.3955418	21	—	—
340928 2007 EU_{4}	18.0	X	232.48375	259.55066	313.95903	1.87965	0.1659522	0.25750832	2.4468567	21	—	—
340929 2007 ET_{9}	18.2	X	188.80596	74.15552	355.19208	2.21872	0.1846283	0.29534400	2.2331469	21	5 28.9	21.6
340930 2007 EF_{11}	17.6	X	99.75493	129.88561	14.37575	2.80164	0.0819223	0.29200126	2.2501574	21	5 20.9	20.2
340931 2007 EH_{12}	17.2	X	16.41441	189.79198	26.67802	2.54980	0.1768049	0.28619584	2.2804847	21	4 17.9	18.5
340932 2007 EE_{17}	16.9	X	291.36991	22.61798	170.11737	7.48669	0.0777064	0.26593069	2.3949167	21	—	—
340933 2007 EQ_{20}	17.0	X	28.22614	325.46286	153.48952	6.91705	0.0622444	0.27095348	2.3652273	21	—	—
340934 2007 EJ_{21}	17.5	X	244.40265	91.29795	161.50337	3.49723	0.0938876	0.26590764	2.3950551	21	—	—
340935 2007 EP_{21}	17.6	X	164.47619	163.85418	168.99080	7.21825	0.1173230	0.27021364	2.3695427	21	—	—
340936 2007 EF_{25}	17.3	X	341.26829	179.50027	14.84577	1.47245	0.1181808	0.27198787	2.3592268	21	1 17.2	19.8
340937 2007 EV_{34}	16.8	X	350.20177	215.44259	334.71223	5.90283	0.0414841	0.27533472	2.3400693	21	2 4.8	19.6
340938 2007 EF_{37}	16.8	X	26.31815	94.25099	183.24663	12.55792	0.2572231	0.22460296	2.6803555	21	9 2.4	19.6
340939 2007 EP_{39}	17.3	X	172.08701	55.02078	34.00519	6.81561	0.0872936	0.29226253	2.2488162	21	6 4.9	20.5
340940 2007 EK_{41}	17.3	X	34.70016	187.22012	325.21405	2.79149	0.0920994	0.27885556	2.3203305	21	2 16.4	19.3
340941 2007 EY_{43}	17.0	X	303.98653	258.30559	355.35384	6.92280	0.1043192	0.27635409	2.3343114	21	2 18.2	19.9
340942 2007 EB_{45}	16.9	X	325.54169	98.11942	107.27851	5.60120	0.1096563	0.27554747	2.3388647	21	1 10.3	19.7
340943 2007 EC_{45}	13.1	X	4.61202	248.35786	15.59532	19.57490	0.0273568	0.08255513	5.2236411	21	6 16.8	20.1
340944 2007 EO_{45}	17.4	X	64.42866	89.98184	27.67223	2.53578	0.1425549	0.27711094	2.3300591	21	2 24.6	19.5
340945 2007 EA_{49}	17.5	X	290.43973	70.54995	175.02496	4.89830	0.1100933	0.27031331	2.3689602	21	1 19.6	20.7
340946 2007 EO_{56}	17.4	X	132.62155	78.27576	160.58037	7.55735	0.1619350	0.23873749	2.5734889	21	11 10.9	21.7
340947 2007 EJ_{58}	17.9	X	180.37334	85.16861	320.79013	1.75424	0.1579261	0.29356305	2.2421696	21	4 18.9	21.2
340948 2007 ES_{66}	13.5	X	318.27740	292.56825	12.48733	11.86669	0.0796888	0.08322709	5.1954869	21	6 2.4	20.3
340949 2007 EO_{68}	17.4	X	93.64357	63.33729	107.52064	4.77534	0.1578086	0.29349586	2.2425117	21	7 3.7	20.2
340950 2007 EV_{70}	16.9	X	39.43194	37.98770	146.15308	5.21804	0.0961907	0.28334800	2.2957395	21	4 16.3	19.1
340951 2007 ER_{71}	13.4	X	21.94172	179.26282	60.85354	3.93142	0.0592729	0.08214266	5.2411133	21	6 13.8	20.1
340952 2007 EN_{75}	17.0	X	246.03207	240.45359	359.82729	3.87831	0.0504532	0.26319551	2.4114804	21	—	—
340953 2007 EU_{77}	13.6	X	294.48990	151.75546	182.70194	24.50192	0.0799861	0.08267122	5.2187497	21	6 9.7	20.7
340954 2007 EL_{79}	16.9	X	32.24048	136.28538	359.33639	6.36859	0.0691061	0.27253413	2.3560732	21	1 23.2	19.5
340955 2007 EY_{81}	16.8	X	31.11404	57.28446	123.37821	3.19698	0.0938026	0.28128797	2.3069346	21	3 25.8	19.0
340956 2007 EK_{85}	17.0	X	142.02068	239.18040	194.25429	23.54272	0.1947242	0.28499877	2.2868660	21	4 22.6	20.4
340957 2007 ER_{88}	17.3	X	71.93182	8.40341	121.48968	5.31924	0.0901341	0.28362191	2.2942612	21	3 22.2	19.6
340958 2007 ET_{88}	16.9	X	100.75067	147.52318	163.59609	3.89987	0.1326081	0.25390866	2.4699285	21	—	—
340959 2007 EZ_{89}	17.7	X	190.47684	72.66270	323.51198	2.51364	0.1144379	0.29072648	2.2567303	21	4 14.8	21.0
340960 2007 EH_{92}	17.1	X	201.35325	161.42872	125.71376	4.83820	0.0746131	0.26861675	2.3789245	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
340961 2007 EW_{92}	15.4	X	342.20424	186.90631	266.69662	1.72885	0.2384674	0.12677291	3.9245066	21	—	—
340962 2007 ET_{98}	16.6	X	205.84656	294.69368	8.91161	6.64673	0.1292715	0.26800615	2.3825364	21	1 7.8	20.2
340963 2007 EH_{101}	17.5	X	89.74481	139.69482	32.18732	6.05029	0.0996496	0.29142387	2.2531285	21	6 19.8	20.2
340964 2007 EJ_{101}	17.3	X	219.11919	227.69798	37.32347	7.35480	0.1334013	0.26175488	2.4203204	21	—	—
340965 2007 EA_{105}	17.4	X	90.73218	293.36200	3.43716	5.58775	0.2657835	0.24172134	2.5522667	21	12 18.1	21.8
340966 2007 EG_{106}	13.6	X	8.95473	187.20812	77.45570	5.36919	0.0696447	0.08327298	5.1935778	21	6 25.7	20.0
340967 2007 EA_{111}	17.3	X	124.99739	99.12926	139.05419	5.55772	0.2151934	0.23656075	2.5892516	21	11 5.2	21.7
340968 2007 EL_{112}	16.8	X	141.84993	61.36565	184.81255	11.51832	0.2443908	0.23909570	2.5709179	21	11 27.7	21.5
340969 2007 EF_{116}	17.4	X	338.33301	143.12296	39.87296	7.13706	0.1978285	0.26988623	2.3714587	21	—	—
340970 2007 EP_{117}	16.9	X	94.24206	230.11566	51.44338	6.17502	0.2348250	0.23570389	2.5955230	21	11 29.9	21.2
340971 2007 EY_{117}	17.2	X	28.45008	348.17312	164.43922	5.43994	0.1065391	0.27408738	2.3471636	21	2 5.1	19.3
340972 2007 EM_{130}	17.6	X	206.18391	228.87833	173.59230	3.13001	0.1553904	0.29211586	2.2495689	21	5 11.5	21.0
340973 2007 EF_{137}	17.4	X	23.41158	281.55230	185.17668	5.86468	0.0949459	0.27174398	2.3606382	21	—	—
340974 2007 EW_{137}	17.3	X	163.67725	4.85600	109.64621	8.36926	0.1658514	0.29804280	2.2196456	21	7 4.6	20.7
340975 2007 EG_{141}	17.3	X	136.60297	10.16636	307.08635	3.06761	0.1379152	0.25605058	2.4561349	21	—	—
340976 2007 EH_{167}	17.4	X	119.30809	60.57206	357.65041	7.57068	0.0886715	0.28095386	2.3087631	21	2 20.1	20.1
340977 2007 EK_{167}	16.7	X	267.82372	218.67631	28.28129	11.51617	0.2090576	0.26654679	2.3912248	21	—	—
340978 2007 ET_{167}	17.7	X	10.49248	11.83161	199.60656	5.35715	0.1483732	0.28278831	2.2987677	21	3 28.1	19.4
340979 2007 EF_{169}	17.8	X	340.00123	140.28899	48.19811	3.08228	0.1405728	0.27110937	2.3643206	21	1 3.9	20.6
340980 Bad Vilbel	16.9	X	169.72021	178.21963	99.87001	7.58125	0.1252622	0.25516314	2.4618264	21	—	—
340981 2007 EC_{175}	17.4	X	54.81692	260.97891	251.73211	1.59764	0.1537242	0.28108697	2.3080342	21	3 30.3	19.2
340982 2007 EB_{176}	17.8	X	320.71969	333.01997	190.83097	5.77295	0.0662102	0.26336924	2.4104198	21	—	—
340983 2007 EC_{181}	16.4	X	69.55071	271.74538	13.27900	13.24374	0.1688080	0.23318189	2.6142042	21	10 31.4	20.3
340984 2007 EW_{182}	17.3	X	259.28008	335.14271	248.87651	2.22045	0.0619255	0.26083581	2.4260025	21	—	—
340985 2007 ED_{183}	17.8	X	155.83958	35.49426	27.09936	2.90933	0.1441074	0.28849752	2.2683392	21	4 16.2	20.7
340986 2007 ET_{185}	17.3	X	63.26821	80.94461	78.27961	6.59293	0.1049059	0.28267314	2.2993920	21	4 23.0	19.6
340987 2007 EY_{191}	18.0	X	65.20127	138.98240	6.49722	5.07069	0.0895927	0.28128635	2.3069434	21	3 31.3	20.3
340988 2007 EM_{192}	17.2	X	112.90647	304.15949	24.42883	4.45049	0.1817736	0.25381047	2.4705655	21	—	—
340989 2007 EU_{192}	17.5	X	75.41642	132.97418	162.74584	4.95736	0.3440275	0.23539133	2.5978201	21	12 10.9	22.0
340990 2007 EB_{198}	17.5	X	227.13914	355.55445	248.67471	1.95090	0.1260661	0.25802192	2.4436086	21	—	—
340991 2007 EH_{198}	16.9	X	175.62385	275.89996	60.24787	7.21777	0.1244069	0.26307970	2.4121880	21	1 18.6	20.4
340992 2007 EJ_{198}	13.1	X	286.52422	277.40887	72.94161	6.47979	0.0251863	0.07959190	5.3525016	21	6 24.8	20.1
340993 2007 EL_{199}	15.6	X	1.81357	122.82709	62.12401	23.61115	0.1620326	0.27879165	2.3206851	21	2 5.7	18.5
340994 2007 EA_{210}	17.5	X	334.61751	159.38811	47.05703	3.20690	0.1803188	0.27673766	2.3321539	21	1 13.3	20.3
340995 2007 EK_{212}	17.3	X	132.44548	36.07818	101.60664	5.64667	0.0509292	0.29545863	2.2325692	21	6 22.3	20.0
340996 2007 EL_{214}	17.7	X	167.53505	331.76491	358.71376	4.03100	0.1375642	0.26756944	2.3851281	21	1 2.5	21.1
340997 2007 EO_{215}	17.1	X	332.46474	249.67330	288.14451	4.47985	0.0780401	0.27158983	2.3615313	21	—	—
340998 2007 EP_{215}	17.4	X	37.57970	304.13493	220.19022	5.47080	0.1262205	0.28187524	2.3037292	21	3 8.9	19.4
340999 2007 EV_{216}	16.3	X	102.25926	141.84226	111.18280	13.73868	0.2498869	0.23548020	2.5971665	21	11 9.4	20.9
341000 2007 EK_{220}	17.4	X	281.70761	232.48220	21.90434	6.83176	0.0834543	0.27214826	2.3582998	21	1 26.9	20.6
341001 2007 FP_{2}	16.1	X	85.14114	234.89243	23.65553	31.29496	0.2852540	0.23244896	2.6196965	21	10 25.3	20.4
341002 2007 FP_{16}	17.8	X	287.52629	58.75639	177.16169	1.18924	0.1537941	0.27318682	2.3523190	21	—	—
341003 2007 FO_{20}	17.1	X	179.76766	144.37126	175.01119	6.17761	0.1223988	0.26542615	2.3979507	21	—	—
341004 2007 FB_{23}	13.5	X	353.95846	261.30625	25.00132	12.55211	0.0588555	0.08408292	5.1601720	21	7 1.6	20.2
341005 2007 FD_{24}	17.1	X	191.27433	284.17224	26.75635	6.48956	0.1316027	0.26408278	2.4060759	21	1 2.8	20.8
341006 2007 FY_{24}	17.8	X	24.70319	6.57093	163.69022	1.21642	0.0892228	0.27800684	2.3250505	21	2 25.3	19.8
341007 2007 FU_{27}	16.9	X	219.65923	3.01531	346.26721	6.89009	0.1275176	0.28255440	2.3000362	21	3 15.8	20.4
341008 2007 FH_{30}	13.9	X	352.39786	272.77372	11.68908	6.70316	0.0602628	0.08292046	5.2082871	21	6 27.1	20.5
341009 2007 FC_{31}	17.5	X	339.87423	355.12011	195.04463	2.45904	0.1647435	0.27144139	2.3623922	21	1 1.5	20.3
341010 2007 FT_{31}	17.2	X	238.76560	18.74797	217.95013	0.70175	0.1454776	0.25838228	2.4413361	21	—	—
341011 2007 FY_{33}	17.3	X	155.50877	269.17112	3.10473	6.40348	0.1445876	0.25100672	2.4889289	21	—	—
341012 2007 FF_{34}	17.5	X	94.44377	237.98664	184.49961	5.72439	0.0979545	0.27312043	2.3527002	21	1 19.9	20.1
341013 2007 FL_{34}	17.5	X	300.24459	152.69565	86.92191	4.35902	0.1202054	0.27177793	2.3604416	21	1 23.5	20.7
341014 2007 FN_{39}	17.4	X	22.35429	265.94803	255.89082	3.94201	0.1632938	0.27599949	2.3363104	21	2 2.0	19.4
341015 2007 FG_{44}	13.9	X	247.22367	184.19209	176.97511	4.10231	0.0504109	0.08165790	5.2618351	21	5 21.6	20.9
341016 2007 FV_{47}	16.8	X	149.41267	23.51730	91.85342	6.24592	0.0926113	0.29166132	2.2519055	21	6 16.3	19.6
341017 2007 FZ_{48}	13.4	X	261.37411	337.59536	34.89828	8.68151	0.1097733	0.08078685	5.2995897	21	6 9.9	20.6
341018 2007 GX	17.6	X	303.42383	135.46079	71.63484	5.59409	0.1593131	0.27047784	2.3679994	21	—	—
341019 2007 GA_{2}	17.4	X	68.16916	61.36626	93.08196	5.83451	0.0871666	0.28329621	2.2960193	21	4 21.7	19.8
341020 2007 GS_{2}	17.6	X	167.82108	90.89129	191.31370	2.31887	0.1673828	0.25538478	2.4604018	21	—	—
341021 2007 GS_{6}	13.8	X	339.62123	288.15167	8.44988	5.14131	0.0740577	0.08407164	5.1606336	21	6 23.5	20.4
341022 2007 GW_{6}	18.1	X	231.75386	159.97396	82.26545	0.22533	0.1667107	0.25904589	2.4371649	21	—	—
341023 2007 GX_{6}	13.6	X	312.19850	297.57887	11.96501	11.66195	0.0657831	0.08177843	5.2566639	21	6 1.5	20.5
341024 2007 GF_{8}	17.9	X	276.69697	19.73460	196.24596	4.63522	0.1212886	0.26371984	2.4082830	21	—	—
341025 2007 GZ_{10}	13.5	X	274.32021	175.46873	169.12781	17.46985	0.0296859	0.08378060	5.1725782	21	6 5.5	20.6
341026 2007 GK_{15}	13.9	X	318.35754	119.13855	179.46370	23.45839	0.1163638	0.08249441	5.2262043	21	5 26.6	20.7
341027 2007 GP_{16}	17.4	X	92.74257	60.77823	228.28765	6.21251	0.2005143	0.23627598	2.5913316	21	12 5.8	21.5
341028 2007 GZ_{16}	16.9	X	149.47331	305.74099	24.10369	7.09556	0.1548723	0.25539795	2.4603172	21	—	—
341029 2007 GT_{18}	16.8	X	91.88645	67.41511	227.44738	3.79389	0.1988326	0.23664188	2.5886598	21	12 11.7	21.0
341030 2007 GC_{19}	17.4	X	98.43193	72.59422	234.22276	1.33443	0.2283899	0.23920233	2.5701538	21	—	—
341031 2007 GR_{20}	16.7	X	65.92048	247.19428	46.19163	5.80099	0.2153947	0.23099564	2.6306729	21	11 15.5	20.4
341032 2007 GM_{21}	17.5	X	127.68779	226.55445	214.33201	5.90463	0.0863406	0.27650345	2.3334707	21	3 31.6	20.4
341033 2007 GQ_{21}	17.0	X	69.80408	99.32033	207.85862	3.22093	0.2105902	0.23388533	2.6089598	21	12 6.8	20.9
341034 2007 GD_{27}	16.6	X	171.71060	146.43846	78.71288	5.94886	0.1630987	0.24145776	2.5541238	21	11 27.6	20.7
341035 2007 GY_{33}	16.6	X	132.04147	351.92240	258.77403	4.33064	0.2438147	0.23820970	2.5772888	21	11 23.9	21.0
341036 2007 GA_{36}	17.0	X	107.64433	348.21819	58.09053	6.93483	0.0668740	0.26700009	2.3885176	21	1 17.1	19.9
341037 2007 GU_{39}	17.1	X	258.31646	168.04010	56.54759	3.24511	0.1606744	0.25904957	2.4371418	21	—	—
341038 2007 GM_{42}	17.3	X	338.94402	168.18777	29.40376	8.29831	0.1024960	0.27066826	2.3668886	21	1 23.5	20.2
341039 2007 GZ_{46}	17.2	X	338.96127	141.60210	62.81060	7.47422	0.1369520	0.27069427	2.3667370	21	1 26.7	20.0
341040 2007 GP_{47}	17.0	X	306.46830	184.00231	47.39805	5.19275	0.0633264	0.26806633	2.3821798	21	1 30.4	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341041 2007 GS_{53}	17.1	X	358.63833	358.13957	169.86916	5.90733	0.0400243	0.26703693	2.3882979	21	1 17.7	19.9
341042 2007 GX_{59}	17.6	X	9.94160	205.05229	288.02273	0.84374	0.1357005	0.26630345	2.3926813	21	—	—
341043 2007 GC_{63}	16.5	X	238.92875	132.11616	232.49908	5.17701	0.0702423	0.21226632	2.7832271	21	5 5.7	20.6
341044 2007 GP_{65}	17.1	X	80.23482	19.78409	253.91823	2.49298	0.1835888	0.23142801	2.6273954	21	11 2.2	20.9
341045 2007 GF_{67}	16.7	X	356.58919	217.84059	223.82089	7.98574	0.0592160	0.25070581	2.4909200	21	—	—
341046 2007 GT_{68}	17.7	X	204.98088	67.89220	195.57291	2.13616	0.1604460	0.25771713	2.4455349	21	—	—
341047 2007 GF_{70}	17.0	X	274.68723	235.46888	21.55708	6.74574	0.0934953	0.27094549	2.3652738	21	1 21.1	20.4
341048 2007 GG_{71}	17.1	X	318.61011	58.65867	158.66941	4.28987	0.1523030	0.27094062	2.3653022	21	1 11.2	20.2
341049 2007 HE	16.8	X	127.05623	163.16730	127.17246	4.21840	0.2137703	0.24369680	2.5384552	21	—	—
341050 2007 HZ	20.2	X	180.63606	259.11098	208.32663	7.41934	0.1425786	0.64314101	1.3292252	21	7 13.2	20.7
341051 2007 HN_{1}	16.1	X	48.15840	243.96565	30.88884	13.22510	0.2452478	0.22569448	2.6717065	21	10 8.3	19.5
341052 2007 HW_{1}	14.0	X	337.02137	259.57059	22.60186	5.05115	0.0475868	0.07945637	5.3585862	21	6 4.4	20.9
341053 2007 HS_{2}	17.4	X	230.44754	65.20532	194.89669	1.92182	0.1612284	0.25923079	2.4360058	21	—	—
341054 2007 HC_{4}	16.8	X	42.11349	189.57655	121.37244	3.99957	0.2269251	0.22813382	2.6526275	21	11 12.6	20.2
341055 2007 HT_{5}	16.6	X	322.40437	152.15765	63.35044	6.75912	0.1733729	0.27209323	2.3586178	21	1 11.6	19.7
341056 2007 HC_{8}	16.5	X	142.45411	163.83158	201.91721	9.26596	0.2225326	0.26488455	2.4012182	21	1 27.3	20.1
341057 2007 HE_{8}	17.9	X	205.96270	84.18825	178.04822	0.83578	0.1501487	0.25617326	2.4553506	21	—	—
341058 2007 HR_{12}	16.3	X	337.66223	281.52882	39.54643	15.77141	0.3039597	0.21653802	2.7465021	21	6 27.4	18.8
341059 2007 HQ_{13}	17.7	X	58.17012	186.26368	335.77875	2.68714	0.0643243	0.28433836	2.2904057	21	4 8.9	20.0
341060 2007 HF_{21}	17.8	X	105.92271	81.07139	27.09858	3.19519	0.1622428	0.28098070	2.3086161	21	4 21.9	20.6
341061 2007 HO_{21}	16.6	X	138.06113	277.10861	338.68098	4.18215	0.2229595	0.24034783	2.5619811	21	12 3.9	21.0
341062 2007 HW_{24}	17.4	X	109.45588	288.97360	156.04021	3.32587	0.0323988	0.27198780	2.3592272	21	3 6.1	20.3
341063 2007 HM_{28}	16.7	X	49.08262	80.20596	109.12984	6.02084	0.1015669	0.28533018	2.2850949	21	5 12.8	19.0
341064 2007 HU_{33}	16.5	X	53.18304	96.89711	223.93388	6.28945	0.2158860	0.23372161	2.6101781	21	12 6.7	20.1
341065 2007 HL_{37}	18.0	X	62.19721	39.04833	100.56159	4.39157	0.1533507	0.27976262	2.3153124	21	3 28.7	20.0
341066 2007 HK_{43}	16.9	X	208.16479	239.39041	66.01268	6.84850	0.1050910	0.26324204	2.4111962	21	1 11.8	20.5
341067 2007 HD_{46}	16.3	X	100.57281	269.09933	54.18997	15.39090	0.2261026	0.24234112	2.5479132	21	—	—
341068 2007 HN_{46}	16.0	X	48.53362	237.66337	54.46462	12.45084	0.2006707	0.23020104	2.6367231	21	10 25.6	19.4
341069 2007 HE_{51}	17.2	X	36.04510	3.06637	120.82219	3.61916	0.0268278	0.26609077	2.3939561	21	1 13.8	20.1
341070 2007 HR_{52}	17.2	X	167.35401	43.03897	175.25144	7.44387	0.1428032	0.23934115	2.5691599	21	11 17.1	21.3
341071 2007 HA_{53}	16.9	X	78.77096	241.42860	51.78775	31.37890	0.2848520	0.23138380	2.6277300	21	11 29.5	21.4
341072 2007 HW_{53}	17.6	X	20.28683	341.38063	169.97177	6.38784	0.1710170	0.27383096	2.3486286	21	1 12.8	19.8
341073 2007 HJ_{56}	17.5	X	85.05044	245.16783	57.99831	5.40341	0.1967889	0.23702229	2.5858893	21	12 14.9	21.5
341074 2007 HN_{62}	17.9	X	92.10178	212.69207	239.91750	0.66328	0.1486805	0.27564652	2.3383044	21	3 8.4	20.2
341075 2007 HE_{67}	16.7	X	2.07234	40.37370	114.31680	7.77802	0.0455671	0.26390320	2.4071673	21	1 5.7	19.7
341076 2007 HG_{69}	16.7	X	138.69530	313.76733	33.36887	8.07337	0.1308006	0.25943710	2.4347142	21	—	—
341077 2007 HA_{75}	16.4	X	35.73994	296.92830	55.51037	10.49125	0.1061379	0.23778451	2.5803602	21	12 8.9	19.7
341078 2007 HK_{75}	17.4	X	151.53404	97.95939	211.23551	7.79271	0.0412414	0.25299257	2.4758873	21	—	—
341079 2007 HK_{83}	16.9	X	119.35887	37.67853	269.34924	3.07118	0.2639152	0.24324893	2.5415701	21	—	—
341080 2007 HT_{83}	16.6	X	32.09160	116.68318	181.77772	12.70133	0.2723528	0.22423123	2.6833170	21	10 19.8	19.7
341081 2007 HZ_{83}	17.3	X	319.49978	304.95688	269.59108	1.42425	0.1430687	0.27120067	2.3637899	21	1 10.4	20.2
341082 2007 HF_{86}	17.7	X	46.11324	75.63076	207.82269	13.10531	0.1849521	0.22455803	2.6807130	21	10 2.7	21.2
341083 2007 HJ_{87}	17.3	X	352.95653	128.12663	76.44046	6.02704	0.1196040	0.27296027	2.3536204	21	2 21.4	19.8
341084 2007 HD_{90}	16.0	X	18.94064	133.10898	139.13046	12.34897	0.1198628	0.22048447	2.7136305	21	7 24.2	19.1
341085 2007 HD_{92}	17.0	X	93.94407	11.46621	248.99664	2.66541	0.1518456	0.23196724	2.6233221	21	10 27.5	20.9
341086 2007 HJ_{97}	16.8	X	163.84796	88.13513	143.17803	6.19225	0.1302758	0.24005887	2.5640365	21	11 29.8	20.9
341087 2007 HN_{97}	16.3	X	277.26757	22.64393	113.96319	6.89461	0.0351844	0.24624559	2.5209085	21	12 25.9	19.4
341088 2007 JY_{1}	16.2	X	117.70167	206.81232	87.58304	6.70174	0.2852657	0.23864640	2.5741437	21	—	—
341089 2007 JK_{2}	16.5	X	76.81252	129.00854	164.36316	13.85058	0.1557021	0.23192730	2.6236232	21	11 23.3	20.6
341090 2007 JO_{2}	16.8	X	217.24763	336.55108	224.80775	3.77240	0.0991913	0.24542479	2.5265259	21	12 21.2	20.4
341091 2007 JQ_{2}	15.7	X	13.84144	264.45721	55.03940	14.28173	0.2420493	0.22269398	2.6956514	21	10 15.2	18.5
341092 2007 JQ_{4}	16.9	X	311.14526	327.27784	199.87816	5.00777	0.0915225	0.25802900	2.4435639	21	—	—
341093 2007 JZ_{4}	16.5	X	81.74777	202.42766	130.28594	16.39308	0.1665323	0.23810954	2.5780115	21	—	—
341094 2007 JK_{9}	16.4	X	161.50841	113.44960	135.66206	5.55601	0.1175652	0.24411953	2.5355238	21	12 19.2	20.3
341095 2007 JY_{9}	16.0	X	119.97497	8.71835	245.98852	14.03965	0.0762473	0.23415850	2.6069303	21	11 10.6	19.9
341096 2007 JF_{10}	17.2	X	252.15729	152.62727	73.66955	2.47688	0.1366051	0.25888291	2.4381877	21	—	—
341097 2007 JL_{13}	17.3	X	73.86384	79.72943	39.49658	7.87598	0.0606789	0.27276974	2.3547163	21	3 9.6	20.0
341098 2007 JO_{22}	17.2	X	51.80541	83.30102	199.54436	3.67391	0.2470999	0.22431404	2.6826565	21	10 20.9	20.8
341099 2007 JQ_{24}	16.9	X	330.77366	19.81224	157.88077	12.53926	0.0388183	0.26201189	2.4187374	21	—	—
341100 2007 JX_{28}	17.4	X	153.72180	8.29617	248.83196	2.37401	0.1844019	0.24183538	2.5514643	21	12 19.1	21.6
341101 2007 JH_{30}	16.2	X	57.07401	47.44758	226.94024	18.03422	0.2127337	0.22649906	2.6653758	21	10 8.4	20.0
341102 2007 JT_{36}	17.9	X	264.67542	201.96678	35.08084	1.70698	0.1469979	0.26353454	2.4094117	21	—	—
341103 2007 JW_{40}	15.8	X	79.68261	232.53169	96.21000	14.12915	0.1830499	0.23908809	2.5709724	21	—	—
341104 2007 KM_{1}	17.4	X	98.40597	186.71580	195.73143	4.54377	0.0896825	0.25447133	2.4662862	21	—	—
341105 2007 KK_{4}	17.0	X	109.98189	98.53551	175.25969	12.84547	0.2514694	0.23690844	2.5867177	21	12 6.2	21.7
341106 2007 KN_{6}	17.1	X	66.48768	224.21409	61.92293	4.62313	0.1765520	0.22905881	2.6454815	21	11 2.9	20.7
341107 2007 KA_{7}	16.3	X	108.62127	227.28000	62.08790	10.12144	0.1343955	0.23779623	2.5802754	21	12 15.7	20.3
341108 2007 KZ_{7}	16.2	X	132.25279	342.96130	217.53783	13.08783	0.1935809	0.22925073	2.6440047	21	9 19.8	20.8
341109 2007 LQ	16.6	X	169.62165	54.70025	165.48399	7.15571	0.1903312	0.23960167	2.5672972	21	11 19.8	20.9
341110 2007 LE_{2}	17.8	X	121.09993	85.67037	187.81777	5.76442	0.1300420	0.23735240	2.5834911	21	12 9.3	21.9
341111 2007 LY_{2}	16.6	X	341.61371	201.46987	152.90791	13.69873	0.2244009	0.22438374	2.6821010	21	9 14.9	18.7
341112 2007 LS_{3}	16.5	X	76.81295	167.55228	199.16835	5.29077	0.2337550	0.24318995	2.5419810	21	—	—
341113 2007 LT_{5}	17.1	X	116.22913	140.73557	170.92034	6.28362	0.1164704	0.24269319	2.5454485	21	—	—
341114 2007 LV_{6}	17.0	X	357.47871	43.46258	138.10666	5.10708	0.1974789	0.27055216	2.3675657	21	1 11.9	19.4
341115 2007 LV_{11}	17.5	X	60.10677	275.51664	193.52767	3.31342	0.1054804	0.26696088	2.3887515	21	1 31.5	19.9
341116 2007 LK_{12}	17.0	X	214.46757	54.62012	232.68533	6.80298	0.1139515	0.25863384	2.4397528	21	—	—
341117 2007 LJ_{14}	17.4	X	88.10944	113.00001	203.17291	5.80309	0.1640435	0.23719770	2.5846142	21	12 30.5	21.5
341118 2007 LZ_{14}	16.7	X	47.35424	77.27530	199.98823	12.51420	0.2020522	0.22187288	2.7022980	21	9 28.9	20.1
341119 2007 LM_{15}	16.9	X	127.67355	135.28842	134.91838	13.46812	0.2716715	0.23702469	2.5858718	21	12 15.5	21.7
341120 2007 LX_{17}	17.1	X	338.42751	328.39495	240.94686	5.85885	0.0549349	0.27001838	2.3706849	21	2 9.7	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341121 2007 LS_{20}	16.8	X	90.08066	116.96970	215.10139	5.35257	0.1717523	0.24031167	2.5622381	21	—	—
341122 2007 LF_{28}	16.4	X	158.94980	99.97487	165.12385	8.25253	0.0666320	0.24350830	2.5397650	21	—	—
341123 2007 LO_{28}	16.3	X	55.49168	233.44898	128.42338	10.16242	0.1154600	0.24018135	2.5631648	21	—	—
341124 2007 LR_{33}	16.2	X	31.13939	156.71316	112.53534	18.07011	0.2932311	0.21479365	2.7613519	21	9 14.5	19.5
341125 2007 MC	16.8	X	107.61025	214.89836	67.85897	7.44712	0.2042465	0.23156277	2.6263760	21	12 10.2	21.2
341126 2007 ME	16.0	X	63.68740	48.49567	308.25011	13.27615	0.1126154	0.23439507	2.6051760	21	—	—
341127 2007 MM	16.6	X	32.03210	310.07045	9.90364	5.18579	0.1629450	0.21710941	2.7416812	21	10 26.6	19.9
341128 2007 MZ_{1}	17.2	X	35.87272	107.22533	182.38440	8.90921	0.1694050	0.21403304	2.7678901	21	9 23.1	20.2
341129 2007 MX_{4}	16.5	X	17.99378	215.94752	118.23203	14.54703	0.1840637	0.22645699	2.6657059	21	11 5.3	19.8
341130 2007 MF_{5}	17.0	X	44.17004	84.91081	166.50624	9.01649	0.2207343	0.21838070	2.7310304	21	8 22.4	20.2
341131 2007 MW_{5}	16.7	X	49.32844	239.13092	104.52398	5.38435	0.1085541	0.22938771	2.6429520	21	12 15.1	20.2
341132 2007 MD_{12}	16.9	X	338.36089	115.18796	268.16831	2.41606	0.1195793	0.22083496	2.7107585	21	10 17.9	19.8
341133 2007 ME_{13}	16.6	X	52.19426	196.96191	118.54868	14.67870	0.1739741	0.23196407	2.6233460	21	11 26.6	20.4
341134 2007 MK_{20}	16.5	X	54.18140	148.84048	137.47918	13.42202	0.1902475	0.22716648	2.6601526	21	10 25.7	20.3
341135 2007 OE	15.6	X	346.57927	57.48413	316.88475	24.72146	0.1895638	0.21527855	2.7572038	21	10 4.9	19.0
341136 2007 OW_{4}	16.3	X	59.87245	329.65877	340.01536	12.59439	0.1517893	0.22325941	2.6910981	21	11 15.4	20.3
341137 2007 OW_{7}	16.0	X	323.07112	56.29236	299.44299	11.26276	0.1404344	0.20978940	2.8050914	21	8 7.8	19.1
341138 2007 OX_{10}	16.3	X	51.28421	174.85995	148.03336	7.97443	0.1033719	0.22275879	2.6951286	21	11 21.3	20.1
341139 2007 PB_{5}	16.4	X	114.69043	345.83621	307.87981	3.52166	0.2032446	0.23240886	2.6199979	21	12 29.3	20.8
341140 2007 PL_{5}	15.9	X	11.22330	338.67419	334.74424	14.77867	0.2760831	0.21287864	2.7778876	21	9 21.4	18.5
341141 2007 PR_{6}	15.5	X	38.43401	296.49225	346.07743	24.57028	0.1294341	0.21174744	2.7877721	21	9 10.5	18.9
341142 2007 PN_{10}	16.4	X	346.10542	23.02111	318.03818	3.80679	0.1400885	0.21236518	2.7823634	21	8 31.8	19.4
341143 2007 PM_{14}	15.9	X	138.43342	300.16509	325.06407	13.88373	0.0415867	0.23166156	2.6256292	21	12 13.3	19.9
341144 2007 PA_{15}	15.7	X	8.37461	316.33466	341.98733	9.74320	0.1889050	0.21051503	2.7986417	21	8 18.9	18.4
341145 2007 PR_{15}	16.1	X	354.93358	338.09003	2.66579	8.05786	0.2305528	0.21317067	2.7753500	21	9 23.9	18.2
341146 2007 PV_{16}	15.8	X	338.95521	318.62795	4.85322	17.96962	0.2177449	0.20578955	2.8413223	21	7 24.6	19.0
341147 2007 PV_{19}	16.9	X	339.79902	349.64571	347.39433	0.73319	0.2470366	0.21002446	2.8029981	21	8 7.5	19.1
341148 2007 PK_{28}	16.5	X	358.21776	97.73711	234.43681	14.89118	0.3761654	0.21398080	2.7683405	21	9 30.8	18.4
341149 2007 PL_{28}	16.8	X	57.01996	62.89743	188.87124	14.27300	0.1245262	0.21007074	2.8025864	21	8 24.1	20.6
341150 2007 PA_{29}	15.5	X	300.95414	317.58747	34.60767	15.71981	0.1579888	0.20317190	2.8656751	21	6 24.8	19.5
341151 2007 PZ_{29}	15.7	X	20.33454	28.35204	353.37565	12.97124	0.1694879	0.22324057	2.6912495	21	—	—
341152 2007 PH_{30}	16.5	X	6.94372	172.24672	123.01739	4.72557	0.1999439	0.20910644	2.8111959	21	8 10.4	19.1
341153 2007 PE_{31}	15.8	X	343.91737	17.77076	300.91781	12.85068	0.1946755	0.20999575	2.8032535	21	7 23.2	18.5
341154 2007 PJ_{31}	16.5	X	322.06996	203.34839	170.15577	8.37212	0.2298530	0.21111489	2.7933379	21	8 21.7	19.3
341155 2007 PF_{36}	16.0	X	24.46757	196.12591	143.16140	14.81388	0.1883980	0.22123582	2.7074831	21	11 20.3	19.5
341156 2007 PR_{40}	16.1	X	341.63441	340.99861	319.54223	14.59046	0.1357623	0.20646106	2.8351581	21	6 27.4	19.5
341157 2007 PZ_{40}	16.5	X	349.47901	215.87550	163.66774	9.20530	0.2676053	0.21720132	2.7409077	21	11 16.9	18.8
341158 2007 PD_{45}	16.8	X	357.98601	114.88604	174.70484	2.03867	0.0281173	0.20358103	2.8618344	21	7 10.8	20.6
341159 2007 PG_{45}	16.9	X	311.80622	199.49321	148.58835	2.73712	0.1005158	0.20536117	2.8452723	21	7 15.3	20.3
341160 2007 PW_{46}	16.0	X	9.13693	238.90199	83.28078	14.42824	0.2062612	0.21289882	2.7777120	21	10 5.3	19.2
341161 2007 PE_{47}	16.6	X	298.68828	76.58792	337.41513	4.04071	0.1610223	0.21192329	2.7862297	21	9 15.2	19.7
341162 2007 PW_{48}	16.6	X	343.36694	4.92496	333.09261	3.82506	0.0839082	0.21139232	2.7908934	21	8 24.2	19.6
341163 2007 PM_{49}	16.7	X	228.48696	50.79682	151.41058	13.65029	0.0949012	0.23691468	2.5866722	21	—	—
341164 2007 QY_{9}	16.1	X	345.50776	356.79709	5.95300	5.07283	0.1727077	0.21261866	2.7801515	21	10 2.4	18.9
341165 2007 QO_{13}	16.7	X	271.50845	260.22053	112.91461	2.94729	0.0940727	0.20052478	2.8908398	21	6 23.1	20.8
341166 2007 QW_{13}	16.8	X	287.22100	156.66119	215.23441	1.28557	0.0825451	0.20367404	2.8609631	21	7 14.0	20.7
341167 2007 QA_{14}	16.6	X	357.72743	185.73533	205.75769	1.31129	0.0715845	0.22118882	2.7078666	21	11 28.6	19.9
341168 2007 QC_{14}	16.9	X	329.44420	21.69744	353.58295	5.66329	0.0398831	0.21267791	2.7796352	21	9 23.5	20.3
341169 2007 QD_{14}	16.9	X	353.28010	4.57385	352.53666	6.02381	0.0564663	0.21410787	2.7672451	21	10 3.7	20.2
341170 2007 QE_{14}	16.9	X	263.75657	15.30284	357.90549	4.48895	0.0973637	0.19907490	2.9048589	21	6 12.6	21.1
341171 2007 QG_{16}	16.4	X	19.55375	14.58396	340.83396	4.94981	0.1285169	0.22048334	2.7136398	21	11 18.8	19.8
341172 2007 QW_{16}	16.4	X	355.25931	116.65798	245.88634	3.69936	0.0792796	0.21516418	2.7581808	21	10 15.3	19.7
341173 2007 RX	16.0	X	176.39064	98.53539	298.84305	5.14576	0.0564305	0.18710486	3.0274664	21	4 6.9	20.5
341174 2007 RD_{8}	15.8	X	234.61888	71.38766	256.85035	13.02298	0.2095347	0.18407770	3.0605673	21	3 5.2	21.3
341175 2007 RP_{8}	16.1	X	170.36147	289.12968	189.77684	9.47239	0.0344480	0.20181853	2.8784721	21	7 12.5	20.4
341176 2007 RO_{10}	15.7	X	307.58318	104.03078	318.89668	12.13941	0.1852611	0.21460167	2.7629985	21	10 4.3	18.9
341177 2007 RQ_{10}	15.9	X	343.40556	166.18041	173.20347	25.55302	0.1635238	0.20987012	2.8043721	21	8 21.7	19.1
341178 2007 RG_{12}	16.7	X	312.20715	133.69263	265.05258	3.32887	0.0699184	0.21330765	2.7741616	21	9 26.1	20.1
341179 2007 RT_{14}	17.6	X	283.74008	235.87447	344.12981	20.08763	0.0502773	0.38807607	1.8614790	21	—	—
341180 2007 RY_{16}	16.6	X	326.87437	92.68086	309.47235	5.18021	0.0708056	0.21693365	2.7431618	21	10 22.9	20.1
341181 2007 RW_{18}	15.5	X	235.16314	87.00460	320.04139	7.28643	0.0360820	0.19995510	2.8963279	21	6 30.4	19.6
341182 2007 RW_{20}	16.6	X	299.51274	355.88645	13.98122	1.76623	0.2127372	0.20573994	2.8417790	21	7 9.2	20.0
341183 2007 RU_{21}	16.3	X	231.99750	24.49650	324.35062	3.99147	0.1635864	0.19050851	2.9912988	21	4 2.5	21.2
341184 2007 RJ_{28}	16.4	X	50.79681	316.97976	2.25257	12.04112	0.1085310	0.22014563	2.7164143	21	11 9.8	20.2
341185 2007 RX_{32}	16.0	X	354.14565	321.32740	23.38820	9.22713	0.2996251	0.21238270	2.7822103	21	10 5.4	17.7
341186 2007 RC_{43}	15.9	X	155.57280	306.05786	204.56559	10.00416	0.0455576	0.20260211	2.8710455	21	8 3.8	20.3
341187 2007 RZ_{47}	17.2	X	312.53027	261.63264	131.67644	0.49048	0.0769977	0.20875076	2.8143882	21	9 20.1	20.7
341188 2007 RJ_{50}	16.9	X	241.81728	80.24699	315.43320	7.70933	0.1217950	0.19616943	2.9334712	21	6 13.4	21.5
341189 2007 RK_{51}	15.6	X	307.40912	310.40761	330.81094	10.07258	0.0245552	0.18801861	3.0176497	21	4 17.6	19.9
341190 2007 RL_{52}	16.6	X	263.33289	163.37704	242.98914	4.72274	0.2548685	0.19996524	2.8962299	21	7 4.3	21.2
341191 2007 RO_{52}	15.8	X	38.49614	191.05066	333.60039	9.22747	0.0481355	0.18147336	3.0897794	21	3 24.8	20.0
341192 2007 RB_{53}	16.2	X	48.25775	28.49338	246.97111	4.88172	0.0089140	0.20566525	2.8424670	21	8 26.9	20.1
341193 2007 RG_{60}	16.1	X	30.84982	36.74535	292.09449	6.38546	0.0888884	0.21696508	2.7428969	21	10 23.8	19.6
341194 2007 RT_{63}	16.4	X	320.23939	170.92104	164.28242	15.70402	0.1475104	0.20503803	2.8482609	21	7 4.5	20.1
341195 2007 RO_{65}	16.8	X	191.22332	184.59934	342.22888	6.15434	0.0609275	0.21718863	2.7410145	21	10 6.8	20.8
341196 2007 RH_{67}	17.3	X	45.73436	158.24567	195.07504	1.53545	0.1027898	0.22493080	2.6777505	21	12 20.8	20.9
341197 2007 RS_{70}	15.9	X	27.12536	7.00304	359.86776	14.11517	0.1001104	0.22210357	2.7004264	21	12 10.5	19.7
341198 2007 RJ_{71}	16.3	X	206.05470	102.42271	47.40117	3.41696	0.0159137	0.21479652	2.7613273	21	10 9.5	20.1
341199 2007 RH_{72}	16.7	X	124.59135	256.53372	9.04845	12.79182	0.0164787	0.22220670	2.6995908	21	11 21.3	20.7
341200 2007 RF_{80}	16.9	X	318.34957	165.29375	182.61179	1.77937	0.0848654	0.20598954	2.8394830	21	7 27.2	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341201 2007 RV_{80}	16.2	X	310.03116	230.58641	170.50679	8.89537	0.1615192	0.21190613	2.7863801	21	9 17.9	19.2
341202 2007 RP_{83}	16.2	X	334.82506	235.19219	170.08246	11.72008	0.1788994	0.21704114	2.7422560	21	11 15.4	19.1
341203 2007 RC_{91}	16.0	X	204.58248	16.75036	5.21545	7.93713	0.0824884	0.18679910	3.0307692	21	4 19.3	20.6
341204 2007 RX_{94}	16.2	X	268.63077	255.22496	166.57645	6.57923	0.0519266	0.20478283	2.8506267	21	8 28.7	20.0
341205 2007 RO_{101}	16.4	X	320.27751	251.76052	137.50188	4.29200	0.1025367	0.21321920	2.7749288	21	9 26.9	19.6
341206 2007 RD_{109}	16.2	X	333.39289	58.88860	354.65784	5.84942	0.0581561	0.21814106	2.7330303	21	11 18.0	19.7
341207 2007 RX_{110}	16.6	X	326.01542	55.67265	353.84259	5.79715	0.0364831	0.21604523	2.7506770	21	11 1.7	20.3
341208 2007 RV_{111}	17.2	X	240.79641	238.02310	113.32077	0.78038	0.3042033	0.19030934	2.9933855	21	4 6.8	22.3
341209 2007 RF_{116}	17.0	X	11.06757	120.77421	230.88782	3.72855	0.0850283	0.21428096	2.7657547	21	10 26.3	20.3
341210 2007 RQ_{117}	16.9	X	291.38880	101.22427	333.46292	3.37243	0.0807073	0.21302167	2.7766440	21	10 12.3	20.5
341211 2007 RW_{118}	16.6	X	270.27812	240.88994	45.33714	3.80176	0.1083027	0.18231960	3.0802110	21	3 5.6	21.2
341212 2007 RY_{122}	16.2	X	331.87369	2.32053	351.75251	14.17653	0.1819110	0.20985327	2.8045222	21	8 24.6	19.0
341213 2007 RQ_{124}	16.3	X	308.39208	20.29793	2.36089	6.46180	0.1274788	0.20965059	2.8063295	21	8 25.9	19.5
341214 2007 RT_{126}	16.8	X	186.49406	215.21417	185.02272	1.61528	0.0981964	0.18554827	3.0443747	21	4 25.3	21.6
341215 2007 RM_{127}	15.9	X	41.08997	221.68590	12.87672	8.65769	0.1807853	0.19863218	2.9091736	21	7 20.2	19.4
341216 2007 RB_{128}	16.8	X	262.98408	337.11685	38.51327	2.58243	0.0853155	0.19621473	2.9330197	21	6 16.8	20.9
341217 2007 RX_{128}	16.2	X	263.32655	319.43593	15.92163	9.99754	0.0917373	0.18967817	3.0000223	21	4 24.4	20.7
341218 2007 RG_{129}	16.6	X	98.43898	192.71023	51.39814	2.49713	0.1742866	0.21218655	2.7839247	21	10 13.3	20.8
341219 2007 RV_{130}	16.3	X	356.92516	50.20103	187.32878	8.33953	0.0502542	0.18695306	3.0291050	21	5 2.8	20.3
341220 2007 RV_{133}	16.4	X	349.61800	122.66246	163.52798	11.98057	0.1380493	0.20199603	2.8767856	21	6 20.3	19.9
341221 2007 RB_{135}	17.2	X	325.68019	87.03399	253.66222	1.00900	0.0814519	0.20581090	2.8411259	21	7 29.4	20.6
341222 2007 RT_{138}	15.5	X	180.58360	225.59204	187.38050	10.28075	0.0302468	0.18942351	3.0027105	21	5 4.5	19.9
341223 2007 RF_{142}	17.2	X	161.93431	310.04096	8.14041	20.70726	0.0985977	0.38109163	1.8841542	21	—	—
341224 2007 RH_{142}	15.7	X	274.43004	144.59857	196.51215	16.01622	0.2009610	0.19280710	2.9674770	21	5 3.8	20.2
341225 2007 RB_{143}	16.5	X	31.73370	77.46975	258.99538	3.32964	0.1257130	0.21934247	2.7230413	21	11 12.3	19.7
341226 2007 RW_{143}	16.0	X	301.81858	119.23777	319.85308	8.57542	0.1851464	0.21517212	2.7581130	21	10 18.8	19.2
341227 2007 RM_{146}	15.4	X	170.64626	211.04221	175.68635	18.28162	0.2185516	0.18018570	3.1044821	21	3 30.9	20.7
341228 2007 RK_{150}	16.1	X	246.93742	3.54197	21.96532	15.59958	0.1583961	0.19622467	2.9329206	21	5 29.7	20.8
341229 2007 RJ_{153}	16.7	X	332.46425	25.31708	258.57878	2.24490	0.1382627	0.19895976	2.9059795	21	5 16.1	19.9
341230 2007 RO_{153}	16.9	X	344.72961	155.84264	280.71188	2.65370	0.0686598	0.22720265	2.6598703	21	—	—
341231 2007 RG_{156}	17.0	X	346.42447	21.43294	328.65282	3.03308	0.1114084	0.21168491	2.7883211	21	9 14.4	20.0
341232 2007 RY_{158}	16.9	X	41.36511	274.97502	25.01838	5.01307	0.0651917	0.21326045	2.7745710	21	9 30.8	20.5
341233 2007 RJ_{162}	16.5	X	35.39269	353.37216	334.97037	6.02906	0.1340461	0.21674014	2.7447944	21	11 5.7	20.0
341234 2007 RD_{169}	16.6	X	28.78263	212.36576	92.12032	2.88192	0.1807254	0.21310382	2.7759303	21	10 5.4	19.7
341235 2007 RP_{169}	16.4	X	260.27366	330.05127	61.07041	3.31744	0.1217371	0.20024381	2.8935433	21	6 28.8	20.5
341236 2007 RM_{171}	16.9	X	288.78077	41.00547	23.40721	5.86781	0.0357064	0.21347563	2.7727062	21	10 3.1	20.4
341237 2007 RO_{171}	16.6	X	331.11261	217.29399	147.49396	7.01418	0.0395402	0.21041772	2.7995046	21	9 13.4	20.1
341238 2007 RQ_{174}	16.1	X	268.31538	197.79163	167.71611	11.85705	0.0853337	0.19557053	2.9394570	21	6 11.6	20.5
341239 2007 RW_{174}	16.5	X	248.29251	194.80822	149.21084	6.51456	0.2505566	0.18998961	2.9967429	21	4 8.9	21.5
341240 2007 RB_{176}	15.7	X	210.54354	184.14915	207.08790	12.83468	0.2983793	0.18430685	3.0580299	21	5 3.2	21.3
341241 2007 RD_{176}	16.7	X	111.58664	248.12083	3.75045	3.58389	0.0482409	0.21438042	2.7648992	21	10 23.8	20.5
341242 2007 RH_{178}	16.3	X	7.36433	219.19929	30.65467	11.44852	0.1751433	0.19626570	2.9325119	21	5 30.1	19.4
341243 2007 RJ_{179}	15.6	X	196.04576	9.98164	48.15724	8.11864	0.2193953	0.18456370	3.0551921	21	5 24.3	20.9
341244 2007 RD_{189}	16.4	X	346.22621	63.64048	296.44601	11.85149	0.1570173	0.21212954	2.7844235	21	9 22.1	19.7
341245 2007 RG_{191}	17.0	X	270.01704	349.88093	337.95483	1.03434	0.1649084	0.19181113	2.9777405	21	4 15.1	21.6
341246 2007 RP_{202}	16.3	X	192.42987	109.43746	4.34592	9.61536	0.0858501	0.19916215	2.9040105	21	8 4.6	20.8
341247 2007 RP_{203}	16.3	X	165.65494	261.76259	189.82507	8.35673	0.1341872	0.18920198	3.0050539	21	6 7.9	21.2
341248 2007 RQ_{203}	17.0	X	324.37257	205.39082	180.76326	1.14725	0.2042565	0.20938441	2.8087073	21	9 19.2	19.7
341249 2007 RD_{205}	16.3	X	228.36953	257.58893	206.40838	9.26126	0.0536858	0.20520777	2.8466900	21	8 29.7	20.5
341250 2007 RX_{206}	16.6	X	354.71980	241.03003	68.63306	3.06840	0.0507135	0.20288999	2.8683291	21	8 3.6	20.3
341251 2007 RR_{208}	16.3	X	326.77100	249.41915	67.28404	2.97387	0.0271318	0.19897917	2.9057906	21	7 3.5	20.2
341252 2007 RP_{212}	15.9	X	18.17305	285.68815	3.16443	11.26326	0.0792185	0.20568595	2.8422763	21	8 16.4	19.5
341253 2007 RS_{214}	17.0	X	340.77090	49.81036	321.00518	3.55920	0.0860264	0.21130373	2.7916734	21	10 2.5	20.5
341254 2007 RC_{215}	16.8	X	172.27932	246.40016	307.03080	3.08650	0.0393775	0.21509830	2.7587440	21	10 19.8	20.8
341255 2007 RM_{216}	16.7	X	14.94702	31.98582	312.92622	2.57882	0.1087143	0.21453249	2.7635925	21	10 25.2	19.9
341256 2007 RB_{228}	16.1	X	95.81925	3.62685	220.23696	11.50681	0.0185981	0.19636435	2.9315296	21	8 20.3	20.4
341257 2007 RD_{230}	17.8	X	65.49663	312.23677	176.73172	25.24332	0.1007851	0.39366363	1.8438228	21	2 2.4	19.5
341258 2007 RM_{233}	15.9	X	271.74972	238.53492	156.92001	13.12906	0.1423208	0.20169072	2.8796880	21	7 14.7	20.2
341259 2007 RR_{233}	15.9	X	299.96363	215.15064	165.08864	11.21744	0.1481104	0.20481800	2.8503004	21	8 1.7	19.6
341260 2007 RA_{234}	15.6	X	160.56362	98.43568	348.35292	15.82588	0.2091574	0.18451456	3.0557345	21	5 26.9	21.0
341261 2007 RS_{235}	16.3	X	50.33258	333.34729	341.97919	3.46036	0.0736217	0.21762391	2.7373583	21	11 1.5	20.1
341262 2007 RJ_{246}	16.8	X	19.44771	326.91479	350.64419	8.94451	0.0797086	0.21368935	2.7708571	21	9 22.2	20.3
341263 2007 RR_{249}	16.4	X	250.98882	225.32754	110.13956	2.76408	0.1275133	0.18935338	3.0034518	21	4 10.5	20.9
341264 2007 RF_{250}	15.7	X	38.00765	208.74980	338.45920	14.24729	0.0603138	0.18682341	3.0305062	21	4 18.4	19.9
341265 2007 RJ_{251}	16.8	X	266.53234	214.94101	245.04897	4.62800	0.0361244	0.21396019	2.7685183	21	10 17.2	20.5
341266 2007 RL_{254}	16.4	X	113.55589	71.10856	178.34459	6.70442	0.0364529	0.21853198	2.7297699	21	10 24.8	20.2
341267 2007 RR_{254}	16.5	X	289.80105	159.64138	194.41677	9.04756	0.0248957	0.20178395	2.8788009	21	7 1.7	20.6
341268 2007 RJ_{258}	17.0	X	305.27330	35.66542	55.50860	3.77543	0.0425926	0.22207542	2.7006547	21	11 29.4	20.5
341269 2007 RC_{261}	16.7	X	208.22266	39.13529	97.46487	4.07620	0.0292901	0.20852750	2.8163966	21	9 24.3	20.6
341270 2007 RE_{264}	15.7	X	129.22565	127.05813	340.35582	8.79711	0.0811091	0.19001688	2.9964562	21	5 12.5	20.3
341271 2007 RL_{271}	15.3	X	90.01283	151.11142	58.06114	15.16868	0.1085173	0.18873229	3.0100375	21	8 17.5	19.9
341272 2007 RS_{271}	16.0	X	253.54440	280.71336	60.73939	5.79792	0.2095290	0.18315354	3.0708540	21	4 13.8	21.0
341273 2007 RY_{280}	15.8	X	4.77650	95.00338	254.40954	12.46687	0.0950488	0.21223990	2.7834581	21	10 9.7	19.4
341274 2007 RD_{281}	15.5	X	161.00472	111.07993	323.35853	15.04997	0.2374918	0.18285677	3.0741758	21	5 12.8	21.1
341275 2007 RG_{283}	8.6	X	354.12823	149.26008	311.76952	28.80065	0.2314939	0.01111965	19.8796463	21	12 31.2	20.5
341276 2007 RD_{284}	16.3	X	197.09135	50.44317	347.13798	11.26895	0.1598209	0.18648775	3.0341416	21	4 27.4	21.4
341277 2007 RG_{284}	16.4	X	289.03901	317.35954	27.20411	8.25627	0.0917160	0.19718968	2.9233440	21	6 7.7	20.4
341278 2007 RL_{284}	16.9	X	341.22145	300.89048	30.49554	2.35770	0.0712944	0.20271083	2.8700189	21	8 12.2	20.5
341279 2007 RV_{284}	17.0	X	143.77713	44.85066	171.83906	3.48211	0.0309213	0.21307230	2.7762041	21	10 17.7	20.9
341280 2007 RA_{285}	16.6	X	135.93925	306.47556	182.34146	2.80774	0.0798223	0.19042246	2.9921999	21	6 19.4	21.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341281 2007 RC_{285}	16.3	X	332.75134	209.36302	48.12009	2.81260	0.1425789	0.18765333	3.0215644	21	4 12.4	20.0
341282 2007 RX_{285}	16.1	X	93.61578	242.82135	234.82432	4.06879	0.1580913	0.17192679	3.2031234	21	4 27.6	20.5
341283 2007 RA_{290}	15.9	X	196.23820	4.88682	51.14049	11.88994	0.0279320	0.18289616	3.0737343	21	5 24.7	20.4
341284 2007 RA_{291}	16.1	X	224.88188	172.64260	217.05992	12.61539	0.1349348	0.18553253	3.0445469	21	5 19.6	20.9
341285 2007 RY_{292}	16.4	X	159.50455	244.79910	159.89455	1.68503	0.0796475	0.17906902	3.1173753	21	4 2.8	21.1
341286 2007 RN_{293}	16.3	X	179.55534	254.90202	174.64065	6.58314	0.0533052	0.18999988	2.9966349	21	5 24.3	20.8
341287 2007 RS_{293}	16.3	X	167.64442	134.80083	40.43653	4.54275	0.0394738	0.20911377	2.8111302	21	9 23.9	20.3
341288 2007 RA_{294}	16.3	X	188.85276	152.25197	209.91062	3.82432	0.0406186	0.17932558	3.1144012	21	3 10.8	20.9
341289 2007 RC_{294}	16.6	X	98.31060	331.35039	215.88589	1.75930	0.0221239	0.19757311	2.9195606	21	7 11.4	20.6
341290 2007 RE_{294}	16.7	X	193.58257	218.99781	197.50437	4.69499	0.1883170	0.18803747	3.0174479	21	5 21.9	21.8
341291 2007 RD_{296}	16.2	X	193.52280	35.51356	19.95347	10.02878	0.0640543	0.18887179	3.0085552	21	5 18.6	20.8
341292 2007 RW_{298}	16.7	X	200.22351	291.44147	169.95349	7.68671	0.1750800	0.19552454	2.9399179	21	7 19.8	21.6
341293 2007 RJ_{302}	16.4	X	292.12144	262.21077	73.66169	4.08364	0.0998329	0.19027819	2.9937121	21	5 31.7	20.4
341294 2007 RK_{308}	16.7	X	302.29055	160.61858	194.91938	1.56446	0.1087669	0.20138141	2.8826359	21	7 9.7	20.3
341295 2007 RE_{311}	16.2	X	359.68637	347.19350	14.35400	9.77972	0.1664827	0.21603090	2.7507986	21	10 27.6	19.1
341296 2007 RQ_{316}	16.5	X	230.48977	191.99794	186.36936	9.11674	0.0733708	0.19052224	2.9911551	21	5 16.5	21.0
341297 2007 RB_{317}	16.5	X	279.41360	260.78772	74.08579	2.14153	0.0361903	0.19290986	2.9664231	21	5 23.2	20.6
341298 2007 RP_{317}	16.6	X	209.43867	297.30498	164.90771	2.18030	0.0176375	0.20259376	2.8711244	21	8 10.2	20.6
341299 2007 RQ_{317}	16.2	X	227.00115	173.16093	213.47034	16.34265	0.0745779	0.18591923	3.0403238	21	5 22.3	20.8
341300 2007 RX_{317}	16.3	X	348.24699	133.84158	220.03848	12.31939	0.1800787	0.21166374	2.7885070	21	9 21.3	19.3
341301 2007 RJ_{320}	16.3	X	170.10951	53.87954	322.34912	4.71896	0.1690243	0.17941380	3.1133802	21	3 13.7	21.4
341302 2007 RA_{322}	16.8	X	237.42058	211.52964	187.25739	1.72016	0.0755671	0.19861950	2.9092975	21	6 17.4	20.9
341303 2007 RF_{323}	16.5	X	264.58382	327.32832	42.36394	2.51403	0.1327448	0.19714154	2.9238199	21	6 4.5	20.8
341304 2007 RF_{324}	16.4	X	291.51986	307.49338	72.12614	3.14576	0.0829180	0.20264838	2.8706085	21	7 31.6	20.2
341305 2007 RL_{324}	15.9	X	359.97890	184.92309	46.64065	10.26079	0.0305579	0.17849735	3.1240276	21	4 30.0	20.0
341306 2007 RQ_{324}	16.2	X	283.38489	114.70913	216.94865	8.67407	0.0566205	0.18615468	3.0377597	21	5 22.0	20.4
341307 2007 RZ_{324}	16.9	X	291.01944	147.90025	234.18561	1.22864	0.0865952	0.20200012	2.8767468	21	8 1.3	20.7
341308 2007 SN_{1}	16.9	X	63.95845	1.61010	42.75133	22.19203	0.1094361	0.37351563	1.9095463	21	—	—
341309 2007 SW_{3}	16.0	X	214.36144	161.47682	195.94892	21.07723	0.2804489	0.18356998	3.0662079	21	3 26.7	21.6
341310 2007 ST_{7}	15.8	X	336.34202	151.56563	142.05556	2.87877	0.0826060	0.19590658	2.9360945	21	6 11.7	19.5
341311 2007 SL_{15}	17.5	X	146.00107	314.14664	10.20881	20.31459	0.0513281	0.37595672	1.9012715	21	—	—
341312 2007 ST_{19}	16.9	X	174.89635	138.71711	317.81075	2.24806	0.0846451	0.19224149	2.9732948	21	6 21.5	21.4
341313 2007 SW_{19}	15.5	X	149.41443	309.95083	168.42853	14.09575	0.2401467	0.18484892	3.0520486	21	6 29.8	21.0
341314 2007 SC_{20}	15.9	X	228.03876	330.63891	356.56734	15.03703	0.2306302	0.18183272	3.0857071	21	3 6.6	21.3
341315 2007 SB_{21}	15.8	X	212.41993	324.32735	73.82367	11.16215	0.1113630	0.18708874	3.0276403	21	5 19.4	20.5
341316 2007 SR_{21}	16.1	X	338.94531	238.25687	138.20357	7.21775	0.0858867	0.21343203	2.7730837	21	10 12.4	19.5
341317 2007 TE	16.3	X	324.32628	178.47530	202.21302	8.67337	0.1671749	0.21201032	2.7854672	21	9 12.5	19.4
341318 2007 TQ_{1}	16.7	X	2.56019	191.04538	165.40266	7.05741	0.0947897	0.21545113	2.7557313	21	10 23.2	20.0
341319 2007 TL_{4}	16.6	X	282.83576	242.07118	118.34526	2.94603	0.0720700	0.19577142	2.9374457	21	6 24.6	20.7
341320 2007 TP_{4}	16.5	X	253.18696	357.78153	83.79566	3.66614	0.1919378	0.20111882	2.8851445	21	8 16.8	20.7
341321 2007 TK_{14}	16.7	X	27.79176	45.93261	280.79079	4.51624	0.1724295	0.21600643	2.7510064	21	10 29.7	20.0
341322 2007 TM_{14}	16.3	X	32.52634	198.43457	82.79383	3.13369	0.0279677	0.20429151	2.8551954	21	8 19.2	20.0
341323 2007 TO_{16}	18.3	X	99.58472	266.53040	198.65719	19.25486	0.0780175	0.39443992	1.8414028	21	2 27.1	20.0
341324 2007 TA_{17}	15.9	X	276.69180	258.11141	23.61473	8.86752	0.0581099	0.17916818	3.1162249	21	3 14.9	20.4
341325 2007 TN_{20}	16.2	X	281.28874	91.37704	252.50386	3.13725	0.1383202	0.19528167	2.9423549	21	5 21.8	20.3
341326 2007 TD_{23}	16.4	X	218.02814	48.56866	351.06064	6.14398	0.1692522	0.19115029	2.9845996	21	5 20.7	21.3
341327 2007 TF_{26}	16.9	X	239.08248	79.65006	343.66425	1.42723	0.0524359	0.20257045	2.8713446	21	7 24.3	21.0
341328 2007 TD_{28}	16.2	X	250.90243	168.80884	205.56817	8.28244	0.1433474	0.19177844	2.9780788	21	5 26.2	20.7
341329 2007 TZ_{30}	15.5	X	227.01383	308.39404	28.94252	15.02148	0.2564411	0.18202150	3.0835732	21	3 19.6	21.0
341330 2007 TK_{33}	16.4	X	271.26299	332.39414	45.33312	2.63796	0.1464895	0.19544623	2.9407031	21	6 21.2	20.6
341331 2007 TA_{34}	15.9	X	135.12605	281.27475	211.49983	10.80446	0.1420851	0.18640262	3.0350653	21	6 27.9	20.8
341332 2007 TD_{34}	16.0	X	216.51444	4.61942	38.06915	10.02366	0.0467873	0.18816286	3.0161072	21	5 30.2	20.4
341333 2007 TV_{34}	15.6	X	221.56116	337.32342	39.65979	12.12165	0.1156209	0.18507741	3.0495361	21	5 1.1	20.3
341334 2007 TW_{35}	16.0	X	254.86050	299.02567	55.68509	6.42598	0.2464647	0.18960107	3.0008355	21	4 26.4	20.8
341335 2007 TZ_{35}	16.5	X	282.07581	28.99262	6.90384	8.69186	0.2701430	0.20415430	2.8564746	21	7 12.2	20.6
341336 2007 TU_{36}	17.1	X	264.56764	57.28894	11.71410	2.38358	0.0348381	0.20646040	2.8351641	21	9 5.7	20.8
341337 2007 TY_{37}	15.9	X	276.67725	294.22933	15.71318	9.39600	0.0568531	0.18728804	3.0254920	21	4 14.3	20.3
341338 2007 TC_{39}	16.0	X	282.17008	250.48918	43.47376	10.59691	0.0827579	0.18084163	3.0969707	21	4 2.7	20.5
341339 2007 TW_{40}	15.7	X	66.79027	283.26718	215.74078	15.59588	0.0580237	0.17507802	3.1645719	21	4 3.1	20.1
341340 2007 TZ_{40}	15.7	X	191.44723	15.46775	44.96065	9.87734	0.1377502	0.18500319	3.0503517	21	5 23.5	20.7
341341 2007 TG_{43}	16.1	X	318.66718	47.35724	43.70110	9.18319	0.2079393	0.21439909	2.7647387	21	12 11.2	18.8
341342 2007 TQ_{44}	15.9	X	136.63344	46.82630	25.21441	9.19711	0.0883179	0.17951450	3.1122158	21	4 11.9	20.5
341343 2007 TD_{45}	16.4	X	202.51936	275.77108	192.32021	4.14994	0.1257902	0.19721515	2.9230923	21	8 1.5	21.1
341344 2007 TM_{46}	16.6	X	311.28261	140.81597	143.40455	0.32329	0.0414024	0.18876488	3.0096911	21	4 29.1	20.6
341345 2007 TF_{47}	16.1	X	145.48399	182.52782	279.49130	2.13625	0.1557401	0.18450852	3.0558013	21	6 1.9	21.0
341346 2007 TN_{47}	16.0	X	158.12008	206.88548	224.96235	8.17396	0.0734594	0.18322737	3.0700290	21	5 3.2	20.6
341347 2007 TW_{49}	15.7	X	245.87487	122.21583	214.63579	11.32891	0.1166796	0.18437894	3.0572328	21	4 5.6	20.5
341348 2007 TC_{51}	16.5	X	285.86302	50.38124	287.45221	0.76849	0.0603281	0.19170727	2.9788159	21	5 31.7	20.6
341349 2007 TR_{51}	15.8	X	75.14435	267.82820	217.04938	8.96876	0.0808504	0.17551416	3.1593272	21	3 30.8	20.1
341350 2007 TK_{53}	16.9	X	316.13387	191.46155	183.00217	1.83414	0.0800605	0.20358856	2.8617639	21	8 29.7	20.4
341351 2007 TZ_{53}	16.2	X	139.88195	61.02998	52.59313	1.68417	0.1284115	0.18470535	3.0536299	21	6 8.8	20.9
341352 2007 TT_{58}	16.4	X	240.53847	121.23649	341.88302	11.51933	0.2639236	0.20511324	2.8475646	21	8 23.3	21.1
341353 2007 TJ_{59}	16.8	X	328.25329	218.23157	159.81156	3.92667	0.1078985	0.21198014	2.7857316	21	9 23.4	19.8
341354 2007 TS_{59}	16.9	X	2.51954	148.05094	159.91955	3.55976	0.1770337	0.20856781	2.8160338	21	8 17.4	19.6
341355 2007 TF_{60}	16.0	X	153.00357	49.04907	28.80608	15.61598	0.0658958	0.18194742	3.0844101	21	5 2.4	20.6
341356 2007 TW_{62}	15.7	X	66.32797	299.33818	213.27766	12.72747	0.1723619	0.17752488	3.1354261	21	5 8.2	19.6
341357 2007 TZ_{64}	16.5	X	266.87316	197.67761	204.54123	8.16796	0.1773966	0.19704303	2.9247944	21	7 11.8	20.9
341358 2007 TS_{66}	15.6	X	267.21712	107.14562	288.77429	10.82208	0.2105007	0.19545349	2.9406303	21	7 1.6	20.0
341359 Gregneumann	16.3	X	239.99793	51.37911	327.36237	8.96635	0.0930563	0.19116670	2.9844288	21	5 21.8	20.9
341360 2007 TB_{71}	16.0	X	185.16606	183.80450	239.82675	8.49241	0.0806989	0.18299371	3.0726418	21	5 22.4	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341361 2007 TP_{73}	16.7	X	353.93018	174.64324	186.64040	3.75279	0.1111657	0.21243085	2.7817899	21	10 14.5	19.7
341362 2007 TD_{78}	15.7	X	208.88350	206.33422	225.76032	9.95711	0.1102644	0.19132599	2.9827721	21	6 24.9	20.5
341363 2007 TU_{84}	15.8	X	219.25102	198.33680	187.99587	7.00153	0.2669403	0.18618968	3.0373790	21	5 4.8	21.2
341364 2007 TE_{86}	16.8	X	263.53293	210.86121	140.79533	2.88499	0.0875269	0.18893244	3.0079113	21	5 18.6	21.1
341365 2007 TB_{87}	16.7	X	322.18436	225.48307	104.88664	3.17440	0.0985871	0.19665684	2.9286222	21	7 7.7	20.2
341366 2007 TJ_{93}	16.1	X	80.69391	304.67925	198.73352	7.19339	0.0501443	0.17970589	3.1100056	21	4 28.4	20.3
341367 2007 TQ_{93}	15.9	X	192.36465	155.27831	210.27447	22.13041	0.1195194	0.17715909	3.1397405	21	3 17.8	21.1
341368 2007 TT_{94}	15.3	X	146.54710	37.51447	39.79341	15.92539	0.1922145	0.18008551	3.1056335	21	5 5.9	20.5
341369 2007 TU_{95}	15.8	X	171.76040	56.47317	39.30365	10.18513	0.0550606	0.18653685	3.0336091	21	6 15.5	20.4
341370 2007 TC_{101}	16.7	X	198.04174	340.98062	97.46390	2.29289	0.1480483	0.19193646	2.9764441	21	6 21.5	21.5
341371 2007 TD_{101}	15.8	X	253.30717	132.08595	186.62896	9.62241	0.0466615	0.18283660	3.0744018	21	3 31.2	20.2
341372 2007 TA_{107}	17.2	X	213.70868	214.06258	215.42628	2.75643	0.1687574	0.19309721	2.9645040	21	6 24.0	22.1
341373 2007 TR_{107}	16.6	X	200.32359	134.32355	274.18116	1.06943	0.0904978	0.18974766	2.9992898	21	5 18.9	21.1
341374 2007 TB_{108}	17.0	X	36.73504	327.27479	356.52088	2.53557	0.0670066	0.21385778	2.7694021	21	10 24.2	20.5
341375 2007 TW_{108}	15.8	X	156.94794	210.79396	220.00034	7.95954	0.1011048	0.18403472	3.0610438	21	5 2.6	20.5
341376 2007 TD_{113}	15.9	X	262.32712	105.02314	282.33510	10.75352	0.0729494	0.19707174	2.9245103	21	7 3.2	20.1
341377 2007 TX_{115}	16.4	X	128.95288	324.10065	140.86665	2.48659	0.0724183	0.17997606	3.1068924	21	5 12.7	20.9
341378 2007 TH_{119}	15.7	X	164.19089	162.51204	269.92822	8.41578	0.0900180	0.18097595	3.0954382	21	5 10.1	20.5
341379 2007 TW_{120}	16.5	X	271.56093	322.34550	40.48699	1.67806	0.0700991	0.19162447	2.9796740	21	6 13.3	20.7
341380 2007 TZ_{120}	16.5	X	273.71786	87.22930	309.94834	4.08460	0.1124578	0.20395091	2.8583733	21	7 25.3	20.2
341381 2007 TJ_{121}	16.0	X	4.15569	237.81432	13.56997	12.20057	0.0604431	0.18914654	3.0056411	21	5 26.5	20.0
341382 2007 TA_{123}	16.0	X	141.81836	322.92311	127.31038	2.39568	0.1415436	0.18097457	3.0954539	21	5 14.9	20.9
341383 2007 TL_{123}	16.3	X	257.74848	187.74591	141.20303	2.53335	0.0638174	0.18362004	3.0656507	21	4 16.8	20.6
341384 2007 TB_{124}	16.2	X	203.75665	192.16397	156.04040	2.99814	0.0562623	0.17686834	3.1431804	21	3 12.3	20.9
341385 2007 TH_{126}	16.4	X	206.39157	249.32801	197.32572	2.58278	0.0824342	0.19317879	2.9636694	21	7 12.5	20.9
341386 2007 TS_{126}	15.6	X	211.08646	331.25998	38.64651	16.41030	0.1766147	0.18243743	3.0788847	21	4 13.9	20.8
341387 2007 TA_{127}	15.7	X	121.21955	79.13804	44.04783	11.42708	0.0823545	0.18351829	3.0667837	21	5 25.3	20.3
341388 2007 TO_{128}	17.0	X	162.81592	128.32848	298.15347	0.68555	0.1972164	0.17990771	3.1076793	21	5 7.9	22.1
341389 2007 TP_{129}	16.3	X	232.22395	334.94731	37.56069	1.84413	0.2006998	0.18653113	3.0336712	21	4 30.6	21.3
341390 2007 TY_{130}	15.7	X	202.49956	16.20990	21.15842	9.27837	0.1272856	0.18386286	3.0629510	21	5 5.3	20.7
341391 2007 TV_{131}	16.6	X	129.35578	75.47753	51.05511	2.03233	0.1380324	0.18414697	3.0597997	21	6 14.9	21.4
341392 2007 TA_{134}	16.0	X	220.62031	307.69161	45.27592	5.81926	0.1396326	0.18080271	3.0974152	21	4 2.5	21.0
341393 2007 TN_{137}	15.3	X	204.69770	6.43926	11.96596	12.63324	0.1454099	0.18183890	3.0856371	21	4 14.4	20.4
341394 2007 TO_{138}	16.5	X	340.90907	116.95964	299.30629	13.80471	0.3158722	0.21593787	2.7515887	21	12 24.8	18.5
341395 2007 TB_{140}	15.3	X	143.21321	188.05657	245.97075	16.84719	0.2035251	0.17703662	3.1411883	21	4 29.1	20.5
341396 2007 TY_{140}	15.5	X	339.88959	241.23479	53.61516	9.86421	0.1108942	0.19471978	2.9480126	21	6 15.7	19.0
341397 2007 TB_{144}	16.6	X	334.21618	177.96301	188.84890	4.19141	0.0879758	0.20987258	2.8043502	21	9 17.1	19.9
341398 2007 TC_{151}	16.1	X	226.25605	22.70683	341.20912	6.31233	0.1727283	0.18758858	3.0222597	21	4 14.4	21.2
341399 2007 TP_{152}	15.8	X	185.14460	184.72703	218.46147	11.60234	0.1192562	0.18498486	3.0505531	21	4 27.5	20.5
341400 2007 TD_{158}	15.7	X	202.54244	56.38096	11.31766	12.86648	0.0555211	0.19166080	2.9792974	21	6 14.5	20.4
341401 2007 TE_{158}	15.7	X	295.33881	322.88069	9.52245	10.50392	0.0636724	0.19327435	2.9626924	21	6 3.7	19.9
341402 2007 TH_{161}	15.5	X	258.78451	301.05020	14.77845	11.95639	0.0623452	0.18555108	3.0443440	21	4 1.2	19.9
341403 2007 TP_{161}	16.2	X	258.69436	4.65563	9.13577	12.01745	0.0675169	0.19455330	2.9496941	21	6 9.9	20.6
341404 2007 TS_{162}	16.0	X	246.02607	98.04440	201.54919	25.99193	0.2634112	0.18148687	3.0896260	21	2 8.0	21.8
341405 2007 TZ_{162}	16.3	X	247.78009	27.51348	10.97511	1.72123	0.1112275	0.19510610	2.9441199	21	6 25.1	20.5
341406 2007 TT_{167}	15.4	X	282.35263	57.27476	246.95089	7.18019	0.1156232	0.18711099	3.0274003	21	4 4.2	19.9
341407 2007 TU_{167}	15.6	X	187.60173	75.42498	1.43641	10.10585	0.0989255	0.19005544	2.9960509	21	6 8.8	20.4
341408 2007 TZ_{168}	15.9	X	285.48875	146.48466	228.14813	8.20256	0.0537108	0.19922729	2.9033774	21	7 17.8	19.9
341409 2007 TM_{170}	15.8	X	247.41091	29.94472	17.33584	9.53557	0.1478085	0.19276193	2.9679406	21	7 2.4	20.5
341410 2007 TN_{173}	16.6	X	303.80852	290.36148	38.91227	2.39688	0.0813329	0.19595916	2.9355693	21	6 10.6	20.5
341411 2007 TV_{173}	16.2	X	186.06913	32.11148	23.33741	6.44220	0.1138906	0.18574696	3.0422034	21	5 12.1	21.0
341412 2007 TQ_{182}	15.3	X	166.64837	336.72974	64.01404	19.08000	0.2109858	0.17840443	3.1251123	21	4 19.1	20.8
341413 2007 TW_{184}	15.9	X	120.16348	284.98002	187.93604	10.84706	0.0492180	0.18511399	3.0491343	21	5 10.1	20.3
341414 2007 TC_{186}	16.0	X	295.75631	323.85877	70.01976	5.80544	0.1085407	0.20406716	2.8572877	21	8 24.4	19.6
341415 2007 TR_{186}	16.2	X	256.52826	246.86173	96.57634	6.09712	0.1999445	0.18958736	3.0009802	21	4 20.1	21.0
341416 2007 TU_{189}	17.2	X	294.25518	101.81154	352.77981	5.78652	0.2798832	0.21546634	2.7556016	21	10 14.5	20.0
341417 2007 TC_{195}	16.5	X	227.24525	322.76435	32.34018	3.91336	0.0246039	0.18197419	3.0841076	21	4 16.7	20.7
341418 2007 TZ_{198}	16.6	X	199.79423	82.84557	277.83778	1.58308	0.0902893	0.17907219	3.1173384	21	3 21.4	21.4
341419 2007 TC_{200}	16.2	X	104.09466	297.44808	209.27538	10.01773	0.0694207	0.18644562	3.0345986	21	6 3.9	20.6
341420 2007 TH_{201}	16.9	X	198.16643	77.21540	4.75940	0.99209	0.1795648	0.19002347	2.9963869	21	6 25.2	21.7
341421 2007 TW_{201}	16.3	X	212.15839	212.55312	166.90580	2.84227	0.1144291	0.18311689	3.0712638	21	4 25.9	21.2
341422 2007 TL_{203}	15.6	X	174.02706	348.10825	53.38325	10.58754	0.1011695	0.17820924	3.1273938	21	4 17.5	20.4
341423 2007 TZ_{203}	16.1	X	207.83534	120.91202	214.17223	13.24036	0.1956710	0.17547688	3.1597746	21	2 23.4	21.7
341424 2007 TJ_{204}	16.2	X	82.21808	290.82801	206.30853	12.87688	0.0294304	0.17841647	3.1249717	21	4 19.1	20.4
341425 2007 TP_{204}	16.3	X	182.55792	299.71502	129.27512	3.06984	0.0728075	0.18501645	3.0502059	21	5 26.8	20.8
341426 2007 TV_{205}	15.4	X	8.25297	196.38410	10.09635	16.21225	0.0243247	0.18219803	3.0815811	21	4 6.7	19.5
341427 2007 TB_{216}	15.8	X	180.96975	12.32641	17.09026	5.57826	0.1443228	0.17835743	3.1256612	21	4 8.1	20.7
341428 2007 TB_{217}	15.5	X	118.48294	90.09111	26.70816	9.78649	0.0642985	0.18037323	3.1023300	21	5 11.5	20.0
341429 2007 TB_{222}	16.7	X	311.56980	344.95033	36.16740	6.54678	0.0468917	0.20458907	2.8524263	21	9 7.8	20.4
341430 2007 TX_{222}	16.5	X	219.12041	291.64982	131.37483	3.26654	0.1685695	0.19233898	2.9722900	21	6 21.2	21.3
341431 2007 TC_{229}	15.8	X	143.97932	49.64138	35.08211	11.47058	0.1207763	0.18012521	3.1051771	21	5 6.8	20.5
341432 2007 TA_{230}	15.9	X	268.41076	94.11214	238.23038	9.16921	0.1206044	0.18821754	3.0155230	21	4 23.6	20.4
341433 2007 TW_{230}	16.7	X	253.95797	169.42955	135.11216	3.94117	0.2519939	0.18040828	3.1019282	21	2 26.2	21.8
341434 2007 TS_{231}	16.6	X	223.86799	239.11473	216.66999	6.09517	0.1742974	0.19492480	2.9459452	21	8 2.8	21.5
341435 2007 TJ_{232}	15.9	X	180.36838	151.52903	219.14653	8.21897	0.0904769	0.17374440	3.1807449	21	3 12.8	20.9
341436 2007 TC_{233}	16.1	X	282.79610	301.55012	58.17699	3.04908	0.1236906	0.19266696	2.9689158	21	6 15.7	20.0
341437 2007 TL_{236}	16.4	X	225.62371	163.70204	177.74109	5.01902	0.1489708	0.18202336	3.0835521	21	3 22.3	21.3
341438 2007 TU_{236}	16.1	X	143.69618	241.23261	198.91402	15.93637	0.0795654	0.18126904	3.0921007	21	4 29.7	20.7
341439 2007 TV_{238}	16.4	X	236.84119	267.94479	128.68319	2.45247	0.1064696	0.19261494	2.9694503	21	6 11.1	20.9
341440 2007 TF_{240}	15.7	X	150.54569	47.56661	38.30843	10.59032	0.0563113	0.18401026	3.0613151	21	5 9.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341441 2007 TA_{245}	16.0	X	242.89408	70.80109	295.18567	9.69739	0.1039076	0.18964389	3.0003839	21	5 7.4	20.7
341442 2007 TK_{245}	15.6	X	185.70587	128.82012	278.12911	10.25037	0.1029471	0.18337301	3.0684033	21	4 29.6	20.5
341443 2007 TY_{246}	15.4	X	158.93323	122.82080	292.19613	12.18091	0.0909578	0.17756982	3.1348970	21	4 9.1	20.4
341444 2007 TP_{250}	15.8	X	17.68019	47.73319	209.31942	17.38985	0.1951595	0.19836326	2.9118023	21	7 2.7	19.2
341445 2007 TQ_{254}	16.2	X	203.85258	269.52451	124.05240	3.57489	0.1335597	0.18425747	3.0585763	21	5 4.9	21.2
341446 2007 TC_{256}	15.9	X	70.48085	162.10319	37.75458	11.05159	0.0524069	0.19092722	2.9869238	21	6 25.7	20.1
341447 2007 TN_{261}	16.7	X	181.12384	169.58343	259.35833	1.40729	0.0625557	0.18493636	3.0510864	21	5 24.3	21.3
341448 2007 TG_{265}	16.2	X	175.44841	178.83490	332.18087	5.34274	0.0228682	0.20336947	2.8638188	21	8 30.9	20.3
341449 2007 TK_{268}	15.9	X	121.32649	82.45670	30.53850	9.85582	0.0674660	0.18392370	3.0622754	21	5 10.6	20.3
341450 2007 TP_{269}	16.3	X	277.04491	258.07964	82.00957	2.20875	0.1760577	0.19259602	2.9696448	21	5 7.5	20.5
341451 2007 TB_{271}	16.9	X	233.42928	59.52131	336.00322	2.20514	0.1150998	0.19108793	2.9852489	21	6 4.8	21.6
341452 2007 TM_{271}	16.0	X	249.33916	303.24432	22.74471	9.55460	0.0997782	0.18232763	3.0801206	21	3 31.5	20.6
341453 2007 TN_{271}	16.8	X	258.83103	113.43142	316.88212	1.13935	0.0435639	0.20174231	2.8791971	21	8 28.4	20.7
341454 2007 TP_{287}	15.2	X	213.46771	287.42562	61.46210	11.82920	0.1144165	0.18257336	3.0773563	21	3 26.8	20.2
341455 2007 TF_{299}	16.6	X	314.97157	100.84115	241.60264	1.72190	0.1678924	0.20009925	2.8949367	21	7 3.1	20.1
341456 2007 TV_{300}	16.3	X	217.42890	104.56263	286.98723	1.32829	0.1936713	0.18682343	3.0305061	21	5 10.8	21.3
341457 2007 TY_{303}	16.0	X	325.41801	37.87016	182.53375	10.20128	0.0521030	0.17272400	3.1932599	21	2 25.7	20.4
341458 2007 TC_{305}	16.3	X	5.42721	354.61372	341.10804	6.51170	0.0755969	0.21554118	2.7549637	21	9 24.4	19.6
341459 2007 TP_{307}	16.0	X	193.37810	15.61924	20.23856	10.77766	0.1441697	0.18265051	3.0764896	21	4 25.1	21.1
341460 2007 TY_{307}	16.6	X	322.37947	172.13757	116.14003	0.70045	0.0437333	0.19083333	2.9879035	21	5 19.1	20.5
341461 2007 TX_{313}	16.2	X	321.42373	222.27870	96.25054	3.96772	0.1148637	0.19675758	2.9276224	21	6 18.2	19.7
341462 2007 TL_{314}	16.4	X	44.62850	251.76482	50.78836	8.62336	0.1319398	0.21075836	2.7964873	21	10 19.6	20.0
341463 2007 TK_{315}	16.7	X	194.57782	195.29359	214.70923	1.82545	0.0738545	0.18464163	3.0543324	21	5 15.6	21.4
341464 2007 TL_{315}	16.4	X	259.30851	160.06130	222.73824	1.29028	0.2053031	0.19379222	2.9574120	21	6 6.9	20.8
341465 2007 TN_{315}	17.1	X	221.87824	123.91260	215.69223	0.58371	0.1572860	0.17944444	3.1130258	21	3 16.4	22.3
341466 2007 TS_{315}	15.8	X	226.53879	328.85971	65.55917	3.77166	0.1688798	0.18857168	3.0117464	21	5 24.0	20.7
341467 2007 TG_{317}	15.8	X	160.18658	56.48526	63.85169	9.60745	0.0803822	0.18900416	3.0071504	21	7 5.9	20.4
341468 2007 TN_{319}	15.8	X	221.43850	296.43210	56.10742	11.73500	0.1450692	0.18001697	3.1064218	21	4 5.6	20.9
341469 2007 TV_{319}	16.2	X	287.77986	120.11814	199.58090	4.39388	0.1367285	0.18677835	3.0309937	21	4 30.4	20.4
341470 2007 TB_{324}	16.0	X	154.81843	197.02861	277.24301	6.18874	0.0557604	0.18945123	3.0024176	21	6 20.6	20.4
341471 2007 TV_{329}	16.3	X	153.07106	83.36016	10.64898	5.42175	0.1222555	0.18343466	3.0677157	21	5 27.4	21.1
341472 2007 TD_{330}	15.9	X	108.31048	88.73454	6.20601	5.39414	0.1310677	0.17422405	3.1749043	21	4 12.7	20.5
341473 2007 TQ_{334}	16.5	X	316.30385	331.32380	31.78984	8.85980	0.0697807	0.19887027	2.9068513	21	8 20.0	20.3
341474 2007 TO_{344}	16.1	X	202.06901	247.11918	164.37423	6.60769	0.1064240	0.18658951	3.0330383	21	5 25.8	21.0
341475 2007 TJ_{353}	16.4	X	242.31005	358.69991	44.06268	2.91603	0.0942497	0.19511436	2.9440368	21	6 26.2	20.6
341476 2007 TK_{354}	15.6	X	238.84724	251.34895	132.72813	12.55814	0.1187390	0.19075133	2.9887597	21	5 30.1	20.3
341477 2007 TC_{362}	15.5	X	42.19054	355.74457	229.63540	12.56050	0.1396309	0.18511763	3.0490943	21	6 29.1	19.4
341478 2007 TD_{362}	16.2	X	279.16022	286.08333	68.06767	3.05270	0.0734640	0.18913848	3.0057264	21	6 11.3	20.4
341479 2007 TE_{362}	16.6	X	130.19313	336.11160	148.15564	1.05769	0.1187157	0.18123264	3.0925147	21	6 11.3	21.3
341480 2007 TF_{363}	16.0	X	117.32913	107.30834	79.72681	3.33961	0.0107285	0.19261541	2.9694455	21	8 4.4	20.0
341481 2007 TK_{363}	15.4	X	215.40699	250.92395	66.57985	8.58076	0.0785012	0.16843616	3.2472259	21	2 20.3	20.5
341482 2007 TO_{363}	15.7	X	256.68840	156.30251	229.08834	10.86800	0.0181881	0.18868174	3.0105751	21	6 29.9	20.0
341483 2007 TN_{364}	15.9	X	221.55604	141.40632	223.06591	10.82472	0.1271585	0.18290974	3.0735822	21	4 14.4	20.9
341484 2007 TV_{365}	16.6	X	337.70440	214.80614	135.84025	2.94698	0.0787076	0.20691544	2.8310059	21	9 1.7	20.1
341485 2007 TX_{365}	16.7	X	304.85910	203.95028	133.19605	2.84217	0.0320247	0.19780719	2.9172568	21	6 29.6	20.6
341486 2007 TE_{368}	15.5	X	266.83895	81.80696	236.14208	10.24498	0.0587875	0.17925789	3.1151851	21	4 11.6	20.1
341487 2007 TK_{371}	15.3	X	223.57238	238.75258	92.05943	18.50194	0.2849951	0.18057705	3.0999951	21	3 11.6	21.1
341488 2007 TZ_{375}	16.9	X	24.27033	321.75644	323.49747	5.03444	0.0325629	0.20340178	2.8635156	21	8 12.3	20.7
341489 2007 TN_{379}	16.7	X	317.50803	319.11025	34.37902	2.33436	0.0838792	0.20177031	2.8789307	21	8 3.9	20.4
341490 2007 TV_{380}	15.6	X	198.63900	319.52412	44.89655	10.53083	0.0979995	0.17898784	3.1183178	21	3 29.5	20.5
341491 2007 TN_{381}	16.1	X	77.62546	191.35699	59.69945	6.72198	0.0247259	0.20289514	2.8682805	21	9 10.9	20.1
341492 2007 TU_{381}	17.0	X	9.34658	124.04137	205.07336	1.38220	0.0767961	0.20566828	2.8424391	21	9 21.6	20.6
341493 2007 TZ_{381}	15.9	X	61.53948	112.18191	59.66937	6.47611	0.0912931	0.18112927	3.0936912	21	5 13.9	20.0
341494 2007 TA_{385}	15.6	X	353.34970	201.72672	93.11712	12.36632	0.0314877	0.19098445	2.9863271	21	7 11.6	19.6
341495 2007 TF_{388}	16.4	X	53.11452	156.44206	177.46279	6.39667	0.0310706	0.21842723	2.7306426	21	11 25.2	20.1
341496 2007 TZ_{390}	15.5	X	322.18507	234.79035	26.79620	12.42842	0.2452841	0.18897237	3.0074876	21	3 20.3	19.3
341497 2007 TL_{392}	15.9	X	260.58084	277.53054	27.16233	11.78474	0.1405473	0.18371681	3.0645741	21	3 16.4	20.7
341498 2007 TG_{393}	16.5	X	79.49425	266.56427	7.77222	7.06264	0.0450420	0.21657886	2.7461569	21	10 13.2	20.1
341499 2007 TH_{399}	16.4	X	250.06881	71.16347	266.16735	3.59643	0.1216855	0.18414281	3.0598458	21	4 9.9	21.1
341500 2007 TL_{399}	16.1	X	143.44011	249.45313	199.44811	13.61630	0.2026555	0.18060948	3.0996240	21	5 19.9	21.3
341501 2007 TX_{403}	15.6	X	340.16048	185.12168	30.35409	12.32880	0.1137017	0.17407070	3.1767687	21	3 11.1	19.8
341502 2007 TN_{405}	16.1	X	274.40457	289.08712	37.68870	10.62021	0.0865744	0.18490828	3.0513953	21	4 29.5	20.4
341503 2007 TO_{405}	16.0	X	220.25537	315.51379	37.56931	11.03822	0.0782964	0.17876854	3.1208674	21	4 5.9	20.8
341504 2007 TQ_{405}	16.5	X	186.55603	79.36275	41.66536	7.39858	0.1853066	0.19133920	2.9826348	21	8 4.3	21.6
341505 2007 TV_{405}	16.0	X	231.96301	146.68524	224.81040	6.44823	0.1397736	0.18524010	3.0477502	21	5 3.2	20.8
341506 2007 TG_{408}	16.0	X	198.62852	132.80064	224.94079	9.64277	0.0865518	0.17351046	3.1836033	21	3 15.0	21.1
341507 2007 TB_{410}	18.1	X	115.37114	126.83377	217.71090	20.06850	0.0670388	0.37368156	1.9089810	21	—	—
341508 2007 TC_{410}	17.1	X	207.16309	56.81617	30.48529	16.32796	0.2576199	0.19036217	2.9928316	21	7 7.9	22.6
341509 2007 TD_{414}	16.3	X	227.65316	6.05182	30.77452	6.23360	0.2189079	0.18923138	3.0047426	21	5 23.8	21.4
341510 2007 TP_{418}	15.7	X	311.09552	269.31023	88.52980	10.60388	0.1193416	0.19872640	2.9082541	21	7 26.6	19.3
341511 2007 TS_{418}	16.5	X	39.62905	337.67480	209.55593	9.54009	0.0672383	0.18207257	3.0829965	21	4 29.3	20.4
341512 2007 TC_{419}	15.5	X	182.81474	287.43495	108.51780	12.05849	0.1270149	0.17950495	3.1123261	21	4 22.7	20.6
341513 2007 TB_{420}	15.3	X	218.99991	27.20562	340.45305	23.43970	0.1468025	0.18544592	3.0454948	21	4 4.9	20.6
341514 2007 TB_{421}	15.6	X	193.26858	278.14453	128.28781	13.20643	0.1866739	0.18481378	3.0524354	21	5 13.5	20.9
341515 2007 TF_{425}	16.6	X	228.10622	358.73439	107.04516	3.96743	0.0596944	0.20024511	2.8935308	21	9 4.3	20.7
341516 2007 TR_{426}	16.1	X	158.52760	158.90006	248.10550	9.49268	0.0947105	0.17663208	3.1459827	21	4 2.0	21.1
341517 2007 TL_{427}	15.6	X	221.35821	244.07351	132.46418	11.95302	0.1481382	0.18599228	3.0395277	21	5 3.3	20.7
341518 2007 TU_{427}	15.8	X	191.92349	331.22595	148.44858	10.74319	0.2689156	0.19111637	2.9849527	21	8 1.7	21.2
341519 2007 TD_{429}	16.4	X	270.78859	52.42494	239.67011	3.34291	0.1430071	0.18002461	3.1063339	21	3 6.3	21.2
341520 Mors–Somnus	6.7	X	6.36334	204.85376	196.64865	11.27255	0.2667849	0.00399658	39.3257207	21	11 17.4	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341521 2007 TG_{432}	16.5	X	178.97506	136.55321	327.39118	1.90473	0.1021417	0.19175048	2.9783683	21	7 5.4	21.0
341522 2007 TL_{432}	16.4	X	256.52488	188.98262	194.30578	3.07471	0.0799077	0.19321456	2.9633036	21	6 19.7	20.6
341523 2007 TT_{432}	16.1	X	146.94873	238.56548	211.24654	14.42007	0.0804655	0.18347612	3.0672536	21	5 14.8	20.8
341524 2007 TL_{434}	15.8	X	0.36633	28.28997	250.19198	9.28318	0.0299672	0.19149886	2.9809767	21	6 28.9	19.8
341525 2007 TU_{435}	16.2	X	351.98604	86.34588	218.27293	7.24465	0.1012604	0.19722056	2.9230389	21	7 19.6	19.8
341526 2007 TT_{440}	15.7	X	166.99913	144.23373	275.46022	9.80518	0.1264520	0.18272618	3.0756402	21	4 27.6	20.7
341527 2007 TF_{441}	16.1	X	305.68093	269.58120	80.45338	4.73694	0.0841486	0.19882050	2.9073364	21	7 11.4	19.9
341528 2007 TR_{441}	16.1	X	238.76459	114.77060	225.31160	8.62196	0.0893398	0.18555816	3.0442666	21	4 3.8	20.8
341529 2007 TT_{442}	15.5	X	151.15153	158.43378	270.32882	16.16492	0.0692022	0.17977909	3.1091614	21	4 16.2	20.4
341530 2007 TC_{443}	16.2	X	262.29128	255.26256	94.92725	10.04782	0.1711913	0.19192887	2.9765225	21	5 7.6	20.8
341531 2007 TQ_{443}	15.8	X	66.81711	315.72586	231.88816	9.78143	0.0171843	0.18978896	2.9988546	21	5 31.3	19.9
341532 2007 TR_{443}	15.9	X	163.88560	78.88453	19.19097	10.68439	0.0579798	0.18548044	3.0451169	21	6 8.9	20.6
341533 2007 TX_{444}	16.6	X	243.40987	72.75958	5.54652	10.78614	0.1828833	0.19787854	2.9165555	21	8 5.7	21.2
341534 2007 TY_{444}	16.0	X	240.98646	331.48463	16.32407	9.69165	0.0412518	0.18299766	3.0725976	21	4 20.7	20.4
341535 2007 TO_{445}	16.3	X	325.65646	10.88257	338.33243	1.68100	0.1179562	0.20204592	2.8763120	21	8 7.2	19.5
341536 2007 TT_{445}	15.9	X	117.75334	72.65702	32.94881	14.59859	0.0430721	0.17839181	3.1252596	21	4 25.4	20.4
341537 2007 TH_{446}	16.5	X	260.99746	63.23363	319.41111	4.63491	0.0737896	0.19599218	2.9352396	21	6 25.5	20.6
341538 2007 TZ_{446}	15.6	X	259.16187	268.59742	96.30033	9.71775	0.1081279	0.19030456	2.9934356	21	5 28.2	20.0
341539 2007 TE_{449}	15.8	X	143.59351	233.07141	199.46992	11.25186	0.0831913	0.17775413	3.1327296	21	4 20.2	20.4
341540 2007 TA_{451}	15.8	X	52.56642	18.08742	206.35102	10.39866	0.0288561	0.19131985	2.9828359	21	6 29.6	20.0
341541 2007 TL_{452}	16.5	X	321.30429	325.26863	23.06325	5.59255	0.1349981	0.19890608	2.9065023	21	7 29.1	19.9
341542 2007 TN_{452}	15.8	X	172.29743	59.17311	33.25123	15.92966	0.2062133	0.18276772	3.0751742	21	6 13.9	21.3
341543 2007 TA_{453}	15.8	X	3.39315	25.96906	224.56455	8.21523	0.1362119	0.18263611	3.0766513	21	5 27.4	19.2
341544 2007 UC_{1}	16.6	X	189.15769	256.23760	165.85037	2.62817	0.1884675	0.18623522	3.0368838	21	5 24.9	21.8
341545 2007 UF_{3}	15.5	X	262.67761	247.03411	69.30307	10.90716	0.0490545	0.18099220	3.0952530	21	4 12.8	20.1
341546 2007 UG_{3}	16.3	X	215.80280	239.83808	140.26962	5.36547	0.1724432	0.18469230	3.0537737	21	4 29.1	21.3
341547 2007 UV_{4}	15.7	X	233.71951	98.35677	12.55262	15.04538	0.1037880	0.20568530	2.8422823	21	9 15.2	19.9
341548 2007 UW_{4}	16.2	X	217.03291	9.89310	11.80170	10.90072	0.1156921	0.18631423	3.0360251	21	4 29.6	21.0
341549 2007 UX_{7}	15.7	X	273.44005	94.81189	273.39722	8.80244	0.0953550	0.19175709	2.9782999	21	6 19.1	19.8
341550 2007 UC_{8}	15.4	X	288.83713	74.36987	268.29314	7.71523	0.1013948	0.19214634	2.9742763	21	6 4.7	19.6
341551 2007 UN_{11}	16.4	X	239.12156	255.70583	118.82847	3.69819	0.2986858	0.18970151	2.9997762	21	5 3.9	21.7
341552 2007 UM_{21}	16.6	X	293.26795	198.89967	199.71363	3.86969	0.1244053	0.20292680	2.8679822	21	8 20.4	20.3
341553 2007 UZ_{21}	16.4	X	172.45242	285.04605	204.24596	4.55226	0.1276215	0.19231964	2.9724892	21	7 29.1	21.2
341554 2007 UK_{22}	15.8	X	73.41456	290.22979	211.91580	10.77128	0.0260336	0.17779857	3.1322076	21	4 12.9	20.2
341555 2007 UZ_{22}	16.5	X	267.19795	301.22482	90.11078	3.44841	0.0970428	0.19573757	2.9377845	21	7 11.2	20.6
341556 2007 UX_{23}	16.0	X	203.38465	290.27626	125.24986	3.12022	0.0883421	0.18689487	3.0297338	21	5 31.8	20.6
341557 2007 UD_{24}	16.7	X	102.73158	269.94743	86.04716	4.33633	0.0776513	0.22839644	2.6505937	21	—	—
341558 2007 UZ_{24}	16.3	X	163.35429	175.38126	181.66613	4.96993	0.1299678	0.16932198	3.2358906	21	2 12.8	21.5
341559 2007 UU_{25}	16.1	X	254.85447	116.54934	223.20919	7.59405	0.0977500	0.18313367	3.0710761	21	4 21.5	20.7
341560 2007 UQ_{33}	15.3	X	209.34429	130.81499	253.92973	15.28653	0.1614235	0.18382071	3.0634191	21	4 24.6	20.6
341561 2007 US_{36}	16.3	X	274.98194	309.16193	18.75901	10.42233	0.0990959	0.18688616	3.0298279	21	4 27.9	20.6
341562 2007 UE_{39}	16.1	X	214.83627	357.30978	20.12201	11.76016	0.1386718	0.18464788	3.0542635	21	4 22.7	21.1
341563 2007 UG_{40}	15.5	X	114.61537	39.53496	88.58513	11.64880	0.0407695	0.18300310	3.0725368	21	5 21.9	19.9
341564 2007 UH_{43}	16.2	X	291.36975	259.59835	85.79751	2.39236	0.0942271	0.19432917	2.9519617	21	6 12.9	20.2
341565 2007 UR_{43}	16.8	X	238.29035	322.94764	131.35135	2.94847	0.0213109	0.20279514	2.8692234	21	9 6.5	20.7
341566 2007 UJ_{46}	15.4	X	312.17579	56.92318	225.65411	13.64943	0.0871233	0.18485075	3.0520284	21	4 20.9	19.5
341567 2007 UP_{48}	15.5	X	236.37793	299.07775	67.72191	11.48855	0.1177562	0.18308613	3.0716077	21	5 5.9	20.3
341568 2007 UC_{49}	15.9	X	163.18884	217.56660	208.44127	12.97978	0.0782749	0.17983842	3.1084775	21	5 2.9	20.6
341569 2007 UG_{51}	15.3	X	203.45063	283.07929	71.58624	27.38633	0.1729188	0.17591340	3.1545453	21	4 3.6	21.0
341570 2007 UJ_{54}	16.2	X	189.08079	56.81965	14.28933	1.67168	0.1596942	0.18562842	3.0434984	21	6 4.1	21.3
341571 2007 UP_{55}	16.4	X	194.25219	240.34840	224.09009	7.86000	0.2475282	0.18988279	2.9978666	21	7 15.8	21.7
341572 2007 UW_{55}	16.7	X	197.96545	187.65267	156.44233	0.58484	0.1631461	0.17472935	3.1687803	21	3 1.9	21.9
341573 2007 UM_{57}	16.0	X	41.69986	351.17159	222.17807	9.82478	0.1079215	0.18567824	3.0429539	21	6 9.7	19.8
341574 2007 UN_{57}	16.3	X	349.77446	122.70535	222.26036	4.61849	0.0669641	0.20336433	2.8638671	21	9 10.2	20.0
341575 2007 UJ_{60}	16.5	X	207.99759	142.55164	310.19051	0.41607	0.0468355	0.19309437	2.9645331	21	7 24.9	20.9
341576 2007 UH_{61}	15.6	X	58.98035	352.36061	226.49391	9.57139	0.0497357	0.18874523	3.0098999	21	7 3.5	19.8
341577 2007 UU_{61}	16.1	X	172.24184	235.75616	219.35513	12.55529	0.2159631	0.18759121	3.0222315	21	6 18.8	21.4
341578 2007 UB_{63}	16.6	X	283.73699	165.87895	197.34178	0.81240	0.1086602	0.19351855	2.9601995	21	6 23.9	20.7
341579 2007 UA_{67}	16.4	X	182.99541	80.02180	19.29872	9.74491	0.0052517	0.19497264	2.9454632	21	7 5.3	20.6
341580 2007 UE_{77}	16.6	X	223.13120	46.43537	327.03690	1.49308	0.1766345	0.18442711	3.0567004	21	4 24.8	21.7
341581 2007 UN_{77}	16.0	X	242.96228	250.88341	140.68259	3.11086	0.1082680	0.18987359	2.9979635	21	6 11.5	20.5
341582 2007 UJ_{81}	16.3	X	211.79743	274.78073	160.01059	4.65541	0.1120517	0.19439403	2.9513050	21	7 1.8	20.9
341583 2007 UP_{82}	15.7	X	162.31684	235.74477	228.93104	10.47594	0.0722447	0.18710691	3.0274443	21	6 17.4	20.3
341584 2007 UY_{82}	16.4	X	182.02204	37.77895	40.94463	1.43035	0.1793480	0.18494831	3.0509550	21	6 7.2	21.4
341585 2007 UZ_{85}	16.1	X	204.14325	326.16162	69.11080	3.57109	0.1023215	0.18276585	3.0751951	21	5 7.4	20.7
341586 2007 UL_{87}	16.1	X	267.34588	31.50955	303.30894	1.36122	0.0961098	0.18418750	3.0593508	21	4 29.6	20.5
341587 2007 UT_{88}	16.4	X	108.74919	268.22042	227.94717	6.96380	0.0582616	0.18212790	3.0823721	21	5 25.5	20.8
341588 2007 UB_{89}	16.3	X	105.69492	75.30207	46.58392	5.27802	0.0915999	0.17785340	3.1315639	21	5 8.2	20.6
341589 2007 UJ_{89}	16.9	X	291.44089	303.97187	73.56837	1.70218	0.0634641	0.19641515	2.9310241	21	7 30.9	20.8
341590 2007 UM_{90}	15.9	X	114.55244	263.76813	224.69955	11.77650	0.0750011	0.18257124	3.0773801	21	5 25.2	20.4
341591 2007 UF_{94}	15.6	X	108.69933	46.78949	34.17332	11.71781	0.0669876	0.17274192	3.1930390	21	3 23.6	20.2
341592 2007 UH_{97}	16.6	X	340.20111	246.82400	52.38531	4.14400	0.0996081	0.19336083	2.9618090	21	6 24.0	20.3
341593 2007 UH_{98}	15.7	X	82.45136	277.09128	235.68927	11.03445	0.0988982	0.17792841	3.1306837	21	5 19.2	19.9
341594 2007 UP_{98}	16.2	X	122.73764	50.60391	57.57008	1.79069	0.1448349	0.17700757	3.1415320	21	5 17.2	20.8
341595 2007 UX_{98}	16.2	X	199.11461	327.04107	53.08047	6.44606	0.1511902	0.17918120	3.1160740	21	4 14.9	21.3
341596 2007 UA_{99}	15.7	X	117.20555	238.58063	234.25659	10.62762	0.0889741	0.17741434	3.1367284	21	5 10.1	20.2
341597 2007 UH_{99}	16.7	X	149.37454	186.31423	223.53263	1.02443	0.1372072	0.17330461	3.1861237	21	4 2.9	21.7
341598 2007 UT_{100}	16.0	X	332.69656	55.55845	241.65333	8.73787	0.0430626	0.18705639	3.0279894	21	6 14.5	20.1
341599 2007 UC_{104}	16.1	X	283.21909	62.43161	229.55648	8.31005	0.0416560	0.17522459	3.1628069	21	4 2.1	20.7
341600 2007 UT_{105}	16.0	X	163.14750	212.08268	228.38749	15.59676	0.2047635	0.17919987	3.1158575	21	5 25.6	21.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341601 2007 UW_{105}	14.7	X	310.70250	137.05358	220.41170	10.72029	0.1918402	0.12403113	3.9821313	21	7 10.3	19.9
341602 2007 UG_{107}	15.7	X	216.67768	260.80633	131.41084	13.55151	0.1894236	0.18625883	3.0366272	21	5 15.9	21.0
341603 2007 UV_{107}	16.9	X	277.91235	63.71211	294.19323	1.45920	0.1009541	0.19500854	2.9451017	21	6 10.4	21.0
341604 2007 UH_{108}	15.9	X	151.47583	49.74494	40.90581	9.22337	0.0891703	0.18202017	3.0835882	21	5 19.5	20.5
341605 2007 UH_{114}	15.7	X	271.63397	74.84225	248.14729	7.30164	0.0974548	0.18357356	3.0661681	21	4 18.4	20.2
341606 2007 UA_{115}	15.8	X	210.88565	182.22441	245.42449	8.74289	0.0619657	0.18932124	3.0037918	21	6 24.6	20.4
341607 2007 UP_{118}	16.9	X	330.74926	317.98296	18.17088	2.08290	0.1003929	0.19866163	2.9088861	21	7 30.4	20.4
341608 2007 UD_{124}	16.2	X	35.81687	61.14409	221.96214	8.55726	0.0740876	0.20196188	2.8771099	21	8 26.6	20.0
341609 2007 UP_{125}	15.7	X	219.88307	203.39662	227.51655	10.27941	0.0899600	0.19094275	2.9867619	21	7 5.6	20.3
341610 2007 UL_{127}	15.9	X	211.48761	149.28731	224.01976	10.29321	0.1516452	0.17909709	3.1170495	21	4 15.1	21.1
341611 2007 UP_{128}	15.7	X	334.82494	27.43288	213.88605	13.10944	0.0611181	0.17631704	3.1497291	21	4 3.4	20.0
341612 2007 UW_{128}	15.8	X	258.71923	96.55378	255.66124	6.98324	0.1248580	0.18519083	3.0482908	21	5 7.5	20.3
341613 2007 UD_{129}	16.0	X	251.38918	96.66609	248.40493	9.23099	0.1278133	0.18204160	3.0833462	21	4 19.7	20.8
341614 2007 UH_{130}	16.0	X	12.49165	354.20901	218.44416	4.68850	0.0601199	0.18038964	3.1021418	21	4 21.6	20.0
341615 2007 UJ_{131}	14.9	X	3.08883	280.96694	265.71883	15.90845	0.0186030	0.17213713	3.2005136	21	3 1.1	19.7
341616 2007 UT_{131}	16.0	X	233.48701	212.08734	192.90784	10.26293	0.1126713	0.18912534	3.0058657	21	6 17.4	20.7
341617 2007 UH_{132}	16.2	X	283.33354	89.25346	239.43544	8.20009	0.1337259	0.18893736	3.0078591	21	5 5.5	20.6
341618 2007 UQ_{132}	16.3	X	166.17256	1.10677	80.81027	2.63982	0.0318429	0.18249843	3.0781986	21	5 22.9	20.8
341619 2007 UJ_{133}	16.0	X	36.36519	349.67993	220.13115	14.01057	0.0767265	0.18462439	3.0545225	21	5 24.9	20.0
341620 2007 US_{137}	15.8	X	130.90942	273.61055	192.77498	10.95660	0.1283931	0.17796026	3.1303101	21	5 23.3	20.7
341621 2007 UW_{138}	16.0	X	202.54371	104.64208	259.25970	8.09775	0.0534844	0.17738295	3.1370983	21	3 25.6	20.9
341622 2007 UD_{139}	15.8	X	225.97169	124.60222	279.76473	8.82996	0.1028522	0.18923681	3.0046852	21	6 9.3	20.4
341623 2007 UG_{139}	15.6	X	13.62852	288.80587	266.64606	7.77335	0.0376796	0.17398138	3.1778560	21	3 29.5	20.0
341624 2007 UC_{141}	16.1	X	126.19753	269.10542	201.82734	9.08958	0.0937462	0.17982718	3.1086071	21	5 19.7	20.7
341625 2007 VK_{1}	15.8	X	97.45829	15.78362	130.98666	11.15565	0.0355531	0.18506633	3.0496578	21	5 24.3	20.2
341626 2007 VT_{2}	16.1	X	223.72946	322.52032	53.30285	3.76822	0.1560608	0.18398431	3.0616029	21	4 30.2	21.0
341627 2007 VN_{4}	16.0	X	201.94260	241.06879	138.79539	7.99325	0.1817722	0.18151192	3.0893417	21	4 18.1	21.2
341628 2007 VY_{8}	16.1	X	200.98129	144.95310	250.15325	8.85693	0.0823694	0.18110145	3.0940080	21	5 2.7	20.9
341629 2007 VG_{9}	16.3	X	210.51641	237.45025	152.15062	5.98720	0.1460091	0.18300835	3.0724779	21	5 6.7	21.3
341630 2007 VD_{10}	15.4	X	234.83089	133.88995	235.44353	8.61545	0.0933365	0.18668870	3.0319639	21	5 6.6	19.8
341631 2007 VT_{12}	15.8	X	218.23421	299.91282	36.60396	16.79388	0.2270473	0.17792661	3.1307047	21	3 15.9	21.4
341632 2007 VM_{13}	16.9	X	183.94173	198.69829	223.68532	3.21994	0.1288977	0.18563535	3.0434226	21	5 20.1	21.7
341633 2007 VB_{16}	16.5	X	125.22011	10.99942	232.81977	4.03348	0.1110387	0.21417007	2.7667093	21	11 2.6	20.6
341634 2007 VQ_{16}	15.7	X	154.57126	52.31338	44.67819	12.53969	0.1316302	0.18448647	3.0560447	21	6 1.5	20.6
341635 2007 VS_{18}	16.2	X	61.96773	100.84009	104.49652	2.10853	0.0792882	0.18929780	3.0040398	21	6 25.4	20.0
341636 2007 VG_{25}	15.5	X	177.76085	3.73037	25.02615	18.19118	0.1890800	0.17695316	3.1421760	21	4 7.8	20.7
341637 2007 VU_{25}	16.2	X	343.39097	283.41966	10.78403	9.09953	0.1312151	0.19727117	2.9225389	21	6 19.7	19.7
341638 2007 VN_{28}	16.4	X	210.19955	52.84891	28.18043	7.72146	0.1858746	0.19116247	2.9844728	21	7 5.0	21.4
341639 2007 VB_{29}	16.6	X	231.41429	315.09015	24.09551	1.49408	0.1776025	0.18050766	3.1007895	21	3 23.7	21.7
341640 2007 VS_{31}	16.4	X	202.05687	193.00115	248.07524	8.66879	0.1069535	0.19086658	2.9875565	21	6 29.5	21.1
341641 2007 VK_{33}	16.3	X	234.35747	36.47134	321.47749	2.36736	0.1247965	0.18410802	3.0602312	21	4 19.2	21.0
341642 2007 VL_{33}	16.6	X	198.87916	52.96449	16.27692	4.52856	0.0788444	0.18831816	3.0144488	21	6 12.5	21.2
341643 2007 VM_{38}	16.3	X	217.79890	105.34361	296.41203	8.93160	0.1176868	0.18808025	3.0169903	21	5 26.5	21.1
341644 2007 VN_{38}	15.7	X	242.06606	97.11340	255.80607	15.47704	0.1419042	0.18551343	3.0447559	21	4 16.4	20.7
341645 2007 VO_{43}	15.9	X	117.69892	165.77456	300.61639	6.15031	0.1750746	0.17662252	3.1460962	21	5 11.3	20.8
341646 2007 VC_{44}	15.4	X	198.62278	344.83136	27.46634	15.57091	0.0425733	0.17755291	3.1350960	21	4 6.6	20.0
341647 2007 VD_{46}	15.1	X	234.44009	72.59488	250.72936	10.39697	0.0723753	0.17635303	3.1493005	21	3 9.2	20.0
341648 2007 VL_{46}	16.6	X	198.39109	111.61205	293.72101	4.03827	0.1551828	0.18405544	3.0608140	21	5 11.3	21.6
341649 2007 VK_{49}	16.1	X	284.25641	23.82770	282.90115	5.57694	0.1074331	0.18253012	3.0778422	21	4 11.1	20.6
341650 2007 VQ_{51}	16.0	X	272.23310	292.15713	34.85136	11.16710	0.0527004	0.18295205	3.0731083	21	5 1.5	20.3
341651 2007 VZ_{51}	16.1	X	212.82289	321.72739	5.76259	4.40152	0.0946432	0.17198699	3.2023760	21	2 25.9	21.0
341652 2007 VG_{52}	16.1	X	145.15873	42.66353	36.97145	10.95022	0.0834892	0.17787901	3.1312632	21	4 29.7	20.7
341653 2007 VR_{52}	16.4	X	256.43770	156.87080	203.94685	7.81201	0.1248775	0.18742883	3.0239768	21	5 17.5	20.9
341654 2007 VO_{55}	16.2	X	181.89786	263.76024	187.22971	4.89754	0.2077502	0.18572771	3.0424135	21	6 22.1	21.5
341655 2007 VG_{59}	16.4	X	238.46427	169.15787	255.78890	8.40384	0.0497202	0.19286531	2.9668799	21	7 23.4	20.8
341656 2007 VQ_{59}	16.2	X	248.72713	58.63388	289.93790	3.49233	0.1522690	0.18313336	3.0710796	21	4 19.4	21.0
341657 2007 VT_{60}	16.2	X	311.68220	284.63952	45.23621	8.00849	0.1749726	0.19333678	2.9620546	21	6 8.4	19.9
341658 2007 VU_{61}	16.3	X	185.43783	59.66296	12.81560	2.38095	0.1145685	0.18360570	3.0658103	21	6 2.3	21.2
341659 2007 VC_{62}	15.3	X	348.67499	313.48509	253.36048	8.91989	0.0515009	0.17036293	3.2226959	21	3 9.2	19.8
341660 2007 VZ_{62}	16.4	X	266.76938	69.10268	249.13762	0.10589	0.1698229	0.18071577	3.0984085	21	3 31.8	21.1
341661 2007 VK_{63}	16.3	X	186.95041	64.31426	356.10744	0.28263	0.1507808	0.18139570	3.0906611	21	5 20.5	21.3
341662 2007 VS_{64}	16.0	X	183.98126	351.67183	54.63279	5.19353	0.0893333	0.17765954	3.1338415	21	4 30.9	20.8
341663 2007 VE_{72}	15.6	X	205.91169	134.07215	240.30915	10.82856	0.1195370	0.17797555	3.1301308	21	4 10.7	20.7
341664 2007 VO_{73}	15.8	X	115.10393	242.47889	249.12798	8.73492	0.1818622	0.17711916	3.1402124	21	6 11.2	20.6
341665 2007 VZ_{75}	16.2	X	145.65088	3.84622	89.58388	2.77800	0.1382959	0.18053323	3.1004968	21	5 22.0	21.0
341666 2007 VK_{76}	16.3	X	113.97009	14.03968	117.51281	2.20796	0.1389463	0.18057821	3.0999819	21	6 5.2	20.8
341667 2007 VE_{78}	15.7	X	200.88466	356.20592	56.03791	13.37891	0.0598497	0.18507850	3.0495241	21	5 24.7	20.3
341668 2007 VR_{85}	15.6	X	194.04217	44.23822	356.76969	11.87900	0.0406829	0.18451933	3.0556819	21	4 29.5	20.2
341669 2007 VF_{86}	15.6	X	292.87223	39.06446	275.51523	7.81012	0.0673332	0.18752339	3.0229602	21	5 8.2	19.8
341670 2007 VW_{86}	15.8	X	169.36731	108.06583	340.84400	7.13028	0.1891663	0.18433922	3.0576719	21	6 8.3	21.0
341671 2007 VZ_{86}	15.9	X	288.99334	329.92418	10.89202	10.37219	0.1114494	0.19146774	2.9812997	21	5 29.7	20.1
341672 2007 VF_{87}	15.3	X	287.25201	285.28504	27.26031	13.35218	0.0358458	0.18323598	3.0699329	21	5 2.9	19.7
341673 2007 VJ_{87}	15.2	X	196.85488	7.13317	36.38225	23.43165	0.1290882	0.18248376	3.0783636	21	5 6.4	20.1
341674 2007 VX_{88}	15.4	X	230.43403	101.03954	275.23878	10.84216	0.1543556	0.18540934	3.0458953	21	5 4.0	20.5
341675 2007 VN_{90}	15.7	X	245.66249	328.10698	57.10580	12.09684	0.0583120	0.18961232	3.0007168	21	6 10.8	20.1
341676 2007 VP_{90}	15.1	X	149.02825	30.75070	55.09929	17.56727	0.0728997	0.18076919	3.0977980	21	5 11.6	19.7
341677 2007 VE_{92}	17.3	X	140.88570	118.04497	252.16849	18.91595	0.1177879	0.38244756	1.8796982	21	—	—
341678 2007 VS_{92}	15.9	X	173.11193	44.72783	12.12835	18.71503	0.1805710	0.18147389	3.0897734	21	4 29.1	21.2
341679 2007 VV_{94}	16.2	X	247.13744	42.87301	337.87474	8.46410	0.1335532	0.19137157	2.9822985	21	5 28.6	20.9
341680 2007 VB_{102}	16.6	X	180.34155	200.54958	225.91997	1.97366	0.1615613	0.18038181	3.1022317	21	5 22.2	21.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341681 2007 VD_{104}	16.4	X	240.56137	38.09964	307.01338	1.12802	0.2667351	0.18470268	3.0536594	21	3 31.9	21.7
341682 2007 VT_{105}	15.8	X	116.05925	49.38408	53.23565	11.37452	0.1036320	0.17512567	3.1639978	21	4 29.8	20.4
341683 2007 VS_{107}	16.0	X	322.50737	60.32071	233.28593	8.98177	0.0157635	0.18505677	3.0497628	21	5 29.8	20.1
341684 2007 VP_{109}	16.7	X	347.96603	198.51380	258.76429	2.42351	0.1362150	0.22054594	2.7131262	21	—	—
341685 2007 VM_{110}	16.2	X	252.79795	332.18399	47.95223	5.01525	0.1882820	0.18987240	2.9979760	21	5 29.4	20.8
341686 2007 VK_{115}	16.0	X	117.47455	250.64591	217.18859	8.49876	0.0580339	0.17581292	3.1557471	21	4 30.6	20.5
341687 2007 VM_{118}	16.1	X	195.50274	240.69054	137.24725	4.16513	0.1041193	0.17946057	3.1128392	21	4 9.2	20.9
341688 2007 VQ_{119}	15.9	X	216.57597	219.37158	178.27316	7.50351	0.0425136	0.19042356	2.9921884	21	5 26.9	20.3
341689 2007 VS_{122}	16.3	X	213.78592	337.74751	36.80952	6.18311	0.0127743	0.18501972	3.0501700	21	4 25.1	20.7
341690 2007 VM_{126}	17.3	X	258.12542	35.78634	195.80079	22.28257	0.0456780	0.37705038	1.8975933	21	—	—
341691 2007 VT_{133}	15.6	X	219.18814	38.99654	338.65995	10.30657	0.1551504	0.18418554	3.0593726	21	4 23.5	20.8
341692 2007 VD_{135}	16.8	X	337.95483	343.98647	341.39501	1.30856	0.0746068	0.19950183	2.9007132	21	7 28.6	20.3
341693 2007 VH_{141}	15.5	X	143.37618	198.71690	239.20297	10.50476	0.1531567	0.17711133	3.1403049	21	4 30.9	20.5
341694 2007 VR_{141}	15.9	X	260.41646	112.84817	222.35305	9.69022	0.1088763	0.18301605	3.0723918	21	4 20.6	20.5
341695 2007 VU_{146}	16.7	X	213.49429	325.92624	106.36500	0.29300	0.2178272	0.18358119	3.0660832	21	6 24.9	22.0
341696 2007 VJ_{147}	16.4	X	296.79849	103.41535	221.66265	6.54657	0.2146584	0.18830211	3.0146201	21	5 6.7	20.3
341697 2007 VD_{152}	15.7	X	308.52979	53.12429	208.86312	8.13703	0.0350798	0.17596701	3.1539045	21	3 29.3	20.0
341698 2007 VK_{153}	16.2	X	209.31356	226.27373	197.48318	8.92479	0.0549570	0.19313668	2.9641002	21	6 18.5	20.7
341699 2007 VE_{154}	16.1	X	229.82646	313.67050	78.60610	4.28401	0.2071570	0.18698136	3.0287993	21	5 22.3	21.1
341700 2007 VF_{160}	16.3	X	202.06328	165.34854	208.25924	10.39744	0.0851797	0.17790668	3.1309386	21	4 8.5	21.0
341701 2007 VO_{161}	16.3	X	110.51666	108.57412	22.93793	5.88736	0.0217068	0.18047499	3.1011637	21	5 15.3	20.8
341702 2007 VS_{166}	15.7	X	195.92533	331.43208	70.69678	10.15592	0.2173578	0.18104487	3.0946526	21	5 7.9	21.0
341703 2007 VT_{167}	15.5	X	255.49509	336.02698	61.79697	15.16102	0.0649758	0.18986421	2.9980622	21	7 9.9	19.9
341704 2007 VX_{168}	16.0	X	144.67812	217.09208	244.10963	3.71594	0.1073394	0.17798712	3.1299952	21	5 28.0	20.7
341705 2007 VH_{172}	17.0	X	270.43428	155.64824	179.99056	3.21892	0.2307871	0.18831583	3.0144737	21	4 18.9	21.6
341706 2007 VU_{173}	15.8	X	220.91932	132.74856	275.98222	7.93657	0.1323005	0.18808568	3.0169323	21	6 7.4	20.5
341707 2007 VY_{173}	16.7	X	282.94646	329.29217	351.60697	3.13606	0.1700076	0.18891243	3.0081237	21	4 19.8	21.0
341708 2007 VV_{180}	16.0	X	175.09053	21.18567	50.08616	12.13300	0.1037775	0.18415811	3.0596763	21	5 20.9	20.7
341709 2007 VE_{183}	16.2	X	235.89986	124.01054	191.38477	7.28896	0.1695835	0.17738092	3.1371223	21	2 26.9	21.3
341710 2007 VM_{183}	16.2	X	163.20936	158.79985	279.90784	7.84798	0.2207523	0.18033966	3.1027150	21	5 22.9	21.6
341711 2007 VO_{185}	15.7	X	133.00412	269.67403	207.45580	15.38155	0.2159000	0.17809803	3.1286955	21	6 13.3	21.0
341712 2007 VF_{188}	15.2	X	232.29858	267.30366	84.61463	17.41718	0.1435671	0.18205329	3.0832141	21	4 18.5	20.4
341713 2007 VC_{189}	15.3	X	170.59890	194.48356	249.87366	13.96227	0.1421837	0.18198409	3.0839958	21	6 3.5	20.3
341714 2007 VS_{191}	15.4	X	195.90102	143.12075	281.93529	12.47436	0.1752775	0.17888904	3.1194658	21	6 2.7	20.7
341715 2007 VF_{195}	16.9	X	304.87630	130.66739	280.17940	2.59310	0.1332539	0.20946985	2.8079435	21	9 23.9	20.1
341716 2007 VQ_{199}	16.9	X	189.09632	251.49492	237.12476	1.05484	0.0311201	0.19814848	2.9139061	21	8 18.0	21.0
341717 2007 VC_{207}	15.2	X	19.88133	149.64004	73.10265	12.77274	0.0789107	0.18234209	3.0799578	21	5 18.1	19.0
341718 2007 VM_{211}	16.4	X	309.62543	301.78097	24.48086	5.98622	0.1339002	0.19208933	2.9748647	21	6 6.7	20.2
341719 2007 VV_{211}	15.9	X	122.46751	278.41092	214.68466	7.97278	0.0248304	0.18402957	3.0611009	21	6 3.2	20.3
341720 2007 VE_{212}	15.8	X	272.00678	267.18791	70.10358	11.22480	0.3045860	0.19045093	2.9919017	21	4 18.2	20.7
341721 2007 VF_{213}	15.7	X	177.57101	354.70068	78.44373	9.39549	0.1162835	0.18330792	3.0691296	21	5 27.5	20.4
341722 2007 VM_{215}	16.1	X	313.97890	250.27048	49.93976	16.18369	0.0397017	0.18393604	3.0621385	21	5 22.3	20.3
341723 2007 VC_{218}	15.7	X	243.61078	267.28811	68.75279	11.50143	0.2047205	0.18065908	3.0990567	21	4 3.1	20.9
341724 2007 VG_{219}	15.7	X	197.78826	351.92880	60.62262	6.49104	0.1294924	0.18163988	3.0878906	21	5 21.2	20.6
341725 2007 VL_{219}	15.6	X	165.30590	162.91941	254.47873	9.17664	0.0919674	0.17548104	3.1597248	21	4 22.7	20.6
341726 2007 VB_{222}	15.9	X	257.41145	299.76076	90.34806	12.71237	0.1332240	0.19217182	2.9740133	21	6 22.6	20.3
341727 2007 VF_{228}	15.6	X	259.53772	71.48046	258.00074	14.98423	0.2250425	0.18442290	3.0567469	21	3 26.4	20.9
341728 2007 VF_{229}	15.7	X	132.97476	228.79950	241.93911	8.58554	0.0580623	0.18099610	3.0952084	21	5 22.1	20.2
341729 2007 VJ_{229}	16.4	X	315.53565	99.07676	42.97028	5.63374	0.0407501	0.22401928	2.6850093	21	—	—
341730 2007 VN_{232}	16.1	X	177.09479	325.73050	59.01882	3.10966	0.1183646	0.17470270	3.1691026	21	3 30.9	21.0
341731 2007 VR_{232}	16.4	X	222.88610	191.12108	224.47727	1.77350	0.1456030	0.18867327	3.0106652	21	6 17.1	21.0
341732 2007 VL_{240}	16.3	X	127.09555	284.03238	176.12541	9.26273	0.2510501	0.17627700	3.1502060	21	5 23.6	21.6
341733 2007 VN_{241}	16.2	X	258.29114	205.48032	122.47965	9.12429	0.3578652	0.18883317	3.0089654	21	3 22.9	21.6
341734 2007 VT_{243}	15.5	X	234.31867	293.32746	67.60693	9.65453	0.1105728	0.18180441	3.0860273	21	4 27.7	20.2
341735 2007 VQ_{245}	15.8	X	102.37413	269.23847	279.54367	9.87902	0.0240708	0.19176219	2.9782471	21	7 18.3	19.9
341736 2007 VG_{250}	15.8	X	203.23662	284.54484	80.54926	18.01103	0.1327110	0.17815451	3.1280342	21	4 9.1	21.1
341737 2007 VF_{252}	16.1	X	236.59043	250.28276	149.33195	3.10308	0.1042014	0.18994138	2.9972501	21	6 14.9	20.7
341738 2007 VK_{254}	15.6	X	186.25201	33.81094	98.73980	16.30642	0.2040330	0.19114659	2.9846381	21	8 18.4	20.8
341739 2007 VK_{255}	15.6	X	101.71167	248.74678	268.69475	8.95355	0.0585823	0.18341543	3.0679302	21	6 12.7	20.0
341740 2007 VQ_{257}	15.8	X	266.63985	15.39431	1.18476	4.03002	0.1464080	0.19171591	2.9787264	21	6 14.0	20.2
341741 2007 VG_{265}	16.4	X	176.51010	68.13500	41.77206	4.56017	0.1240791	0.18589586	3.0405786	21	7 10.9	21.2
341742 2007 VB_{266}	15.4	X	191.26516	170.99524	255.09668	11.95019	0.0473789	0.18178935	3.0861978	21	6 1.3	20.0
341743 2007 VB_{267}	15.8	X	132.58769	303.04700	180.29431	16.52077	0.1980094	0.17765215	3.1339284	21	6 19.5	21.2
341744 2007 VL_{267}	16.4	X	149.82255	87.37089	63.54409	3.06441	0.1153053	0.18958857	3.0009675	21	8 4.6	21.0
341745 2007 VR_{268}	16.2	X	177.73955	310.31287	151.41400	3.01153	0.1625117	0.18737936	3.0245090	21	7 1.4	21.2
341746 2007 VD_{270}	15.7	X	187.88847	149.05736	266.15222	8.57420	0.0603485	0.18018457	3.1044951	21	5 13.8	20.5
341747 2007 VJ_{275}	17.0	X	216.52816	258.83678	117.24051	0.40056	0.2040167	0.18169140	3.0873069	21	4 22.1	22.2
341748 2007 VU_{275}	15.6	X	218.54416	160.51009	236.08480	8.46215	0.0389781	0.18318896	3.0704581	21	5 27.3	19.9
341749 2007 VF_{280}	16.1	X	49.47432	347.63414	234.58662	9.53998	0.0513536	0.18746899	3.0235449	21	6 25.5	20.2
341750 2007 VM_{284}	15.8	X	219.07795	194.26388	235.52214	9.00866	0.1213966	0.18945011	3.0024294	21	7 1.6	20.6
341751 2007 VS_{286}	16.2	X	58.65070	133.39645	67.36284	6.05436	0.0900122	0.17945203	3.1129379	21	6 16.1	20.2
341752 2007 VZ_{294}	16.1	X	235.49873	164.89668	210.60070	9.15816	0.1014758	0.18601456	3.0392850	21	5 15.5	20.8
341753 2007 VG_{297}	15.3	X	179.58226	224.96760	178.59125	18.45340	0.1298243	0.18163186	3.0879815	21	4 25.9	20.4
341754 2007 VD_{301}	15.5	X	222.81893	270.53942	164.94519	10.00546	0.2243237	0.19056697	2.9906870	21	7 5.7	20.6
341755 2007 VB_{303}	16.2	X	351.09348	217.08368	164.49495	17.98693	0.1673402	0.20987931	2.8042903	21	11 13.7	19.6
341756 2007 VL_{306}	16.0	X	312.95636	281.63609	25.25960	10.69097	0.0170291	0.18609697	3.0383877	21	5 31.8	20.3
341757 2007 VD_{311}	16.3	X	305.96212	234.76606	124.40464	3.44908	0.0924516	0.19570485	2.9381118	21	7 22.6	20.1
341758 2007 VJ_{311}	15.6	X	177.19132	317.00521	98.51645	12.61916	0.0894858	0.18041207	3.1018847	21	5 8.8	20.5
341759 2007 VN_{313}	15.5	X	154.77667	160.40474	301.38197	7.44776	0.0351092	0.18644665	3.0345875	21	6 2.7	20.0
341760 2007 VE_{315}	15.7	X	92.45821	153.22915	340.25484	4.60762	0.0959324	0.17438880	3.1729044	21	5 5.6	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341761 2007 VJ_{319}	15.8	X	320.36616	44.10369	246.25185	9.20634	0.0784861	0.18569944	3.0427223	21	5 14.4	19.9
341762 2007 VS_{321}	15.5	X	278.30852	261.82060	63.74188	16.91484	0.0996407	0.18250274	3.0781501	21	5 4.9	20.0
341763 2007 VK_{326}	15.9	X	261.21813	328.56726	58.82501	11.13101	0.0661096	0.19464552	2.9487624	21	7 2.9	20.2
341764 2007 VZ_{326}	16.4	X	149.16127	245.24631	228.69233	4.23229	0.1002785	0.18251146	3.0780520	21	6 16.9	21.0
341765 2007 VF_{328}	16.1	X	236.92064	59.82284	313.99709	7.93805	0.1501767	0.18598992	3.0395534	21	5 7.2	21.0
341766 2007 VY_{329}	16.2	X	217.96883	121.43919	289.71139	13.20997	0.2873778	0.18516357	3.0485900	21	5 30.5	21.7
341767 2007 VC_{330}	16.7	X	165.55917	236.25039	181.87649	1.99373	0.1801355	0.17660755	3.1462740	21	4 30.4	21.8
341768 2007 VZ_{330}	16.1	X	155.45625	228.56060	237.72956	4.23407	0.1295367	0.18239923	3.0793145	21	6 15.5	20.8
341769 2007 VG_{333}	16.4	X	153.41005	279.96209	179.73277	1.67686	0.0651370	0.18007747	3.1057259	21	6 1.7	21.0
341770 2007 VX_{334}	16.4	X	210.83756	228.48057	137.36721	2.30128	0.1898978	0.17813742	3.1282344	21	4 6.9	21.5
341771 2007 VA_{335}	15.8	X	200.05376	264.18811	77.29140	14.94652	0.2210687	0.17196805	3.2026111	21	3 8.1	21.6
341772 2007 VB_{335}	16.1	X	308.07766	230.69430	86.24176	8.61618	0.0691280	0.18486358	3.0518871	21	6 3.2	20.2
341773 2007 WZ_{1}	16.3	X	150.37260	67.22764	64.43764	11.09726	0.1419569	0.18614432	3.0378723	21	7 13.4	21.3
341774 2007 WG_{3}	16.0	X	220.29806	52.32082	357.11252	8.39810	0.0837528	0.18910969	3.0060315	21	6 10.1	20.7
341775 2007 WE_{7}	16.4	X	198.18882	58.84970	341.31959	4.66381	0.1561458	0.18181429	3.0859155	21	5 4.5	21.6
341776 2007 WV_{7}	15.8	X	242.20824	19.09601	34.67001	7.91730	0.1474334	0.19103439	2.9858066	21	7 4.9	20.5
341777 2007 WC_{8}	15.9	X	159.61695	186.13801	258.59885	16.35976	0.1975091	0.17932175	3.1144455	21	5 27.1	21.1
341778 2007 WH_{8}	16.4	X	124.62382	85.45527	35.65650	10.20039	0.1983775	0.17823322	3.1271133	21	6 7.9	21.4
341779 2007 WS_{23}	16.4	X	229.13034	261.33824	155.15382	2.98405	0.1074771	0.19128685	2.9831790	21	6 27.5	20.9
341780 2007 WS_{24}	16.6	X	246.32829	227.57191	143.65318	3.69799	0.0879805	0.18707704	3.0277666	21	5 23.5	21.1
341781 2007 WX_{30}	15.8	X	165.64407	152.30873	282.33516	5.60148	0.1496872	0.17982644	3.1086155	21	5 17.4	20.8
341782 2007 WF_{37}	16.3	X	216.07358	54.85549	345.53601	4.35899	0.2015027	0.18487104	3.0518051	21	5 19.2	21.4
341783 2007 WP_{37}	15.9	X	236.52644	102.99239	280.52754	7.40986	0.1277173	0.18549050	3.0450068	21	5 22.6	20.7
341784 2007 WS_{41}	16.4	X	259.09027	214.32267	197.55408	2.53593	0.0444849	0.19431743	2.9520806	21	8 3.4	20.6
341785 2007 WU_{42}	16.3	X	197.06057	283.56839	93.73472	3.60973	0.1506085	0.17853442	3.1235952	21	4 9.9	21.4
341786 2007 WD_{45}	15.6	X	111.89893	123.62675	339.39796	8.83334	0.0613426	0.17544330	3.1601779	21	4 14.6	20.3
341787 2007 WY_{47}	15.8	X	295.56441	277.17581	29.60215	10.35714	0.0802235	0.18356397	3.0662749	21	4 30.8	20.0
341788 2007 WM_{48}	15.6	X	339.67881	207.60397	85.58784	7.23266	0.0249895	0.18812524	3.0165093	21	6 20.3	19.6
341789 2007 WJ_{58}	15.8	X	191.99682	12.41761	87.66100	10.41723	0.0851775	0.18756048	3.0225616	21	7 14.6	20.5
341790 2007 WG_{59}	15.9	X	161.17555	45.72105	89.83870	11.34142	0.0260305	0.18848325	3.0126883	21	7 25.2	20.2
341791 2007 WM_{61}	16.0	X	115.61283	219.96461	239.34679	9.12719	0.0779748	0.17375731	3.1805874	21	4 18.8	20.6
341792 2007 XN_{6}	15.4	X	206.88430	116.94505	261.41865	16.47295	0.1475387	0.17797352	3.1301547	21	4 13.3	20.8
341793 2007 XL_{10}	16.0	X	164.07279	248.44491	212.34148	7.34533	0.1223501	0.18241652	3.0791199	21	6 16.8	20.9
341794 2007 XV_{11}	16.1	X	222.03904	270.22780	38.80705	8.29631	0.2947410	0.17462228	3.1700756	21	2 10.4	21.9
341795 2007 XF_{15}	15.9	X	201.10547	76.11762	39.36020	9.59877	0.1893924	0.19085439	2.9876837	21	8 11.2	21.0
341796 2007 XD_{20}	15.3	X	224.73974	60.00307	291.16230	10.29394	0.1109531	0.17810106	3.1286601	21	3 29.6	20.4
341797 2007 XK_{21}	15.5	X	203.00130	112.65079	268.54879	8.63787	0.1173804	0.17839284	3.1252476	21	4 15.4	20.7
341798 2007 XU_{22}	16.3	X	170.31603	171.79475	281.06854	2.53791	0.1883615	0.18180031	3.0860738	21	6 14.7	21.5
341799 2007 XF_{23}	16.3	X	162.44974	286.45436	136.51446	1.99686	0.1694681	0.17765565	3.1338872	21	5 3.2	21.4
341800 2007 XP_{25}	16.2	X	218.99100	235.39180	174.87828	0.81418	0.2046919	0.18603476	3.0390650	21	6 3.7	21.3
341801 2007 XQ_{27}	16.1	X	169.52072	14.45519	74.72585	2.17917	0.1704140	0.17989257	3.1078537	21	6 9.2	21.2
341802 2007 XG_{29}	16.5	X	268.43609	341.82086	55.87372	12.77773	0.0580349	0.19605247	2.9346378	21	7 30.4	20.8
341803 2007 XL_{32}	16.8	X	158.98012	284.03771	292.87885	20.11558	0.0208351	0.34639413	2.0079630	21	11 25.8	19.4
341804 2007 XC_{35}	15.9	X	245.69453	307.96484	59.50367	17.09399	0.0508596	0.18302661	3.0722736	21	5 21.3	20.3
341805 2007 XT_{35}	16.0	X	225.29478	89.68776	268.58763	13.20149	0.2532415	0.18127662	3.0920145	21	3 31.4	21.6
341806 2007 XA_{37}	15.8	X	275.03245	229.31944	281.61541	13.39855	0.1400702	0.21289652	2.7777320	21	12 20.6	19.3
341807 2007 XS_{41}	15.5	X	171.77993	350.40979	81.73921	13.10532	0.2224012	0.17760294	3.1345072	21	5 24.5	20.9
341808 2007 XF_{43}	16.2	X	179.21438	11.14274	75.11705	10.44625	0.0095491	0.18246757	3.0785456	21	6 12.3	20.6
341809 2007 XE_{44}	16.8	X	186.59140	238.34346	221.87328	1.95555	0.2448243	0.18495543	3.0508768	21	7 6.5	22.1
341810 2007 XQ_{49}	16.1	X	140.06024	132.25987	276.12440	1.93700	0.2161253	0.16660108	3.2710273	21	3 29.8	21.4
341811 2007 XS_{49}	16.3	X	181.18820	168.23108	254.76067	0.63090	0.1184604	0.17552145	3.1592398	21	5 18.2	21.2
341812 2007 XB_{55}	16.7	X	167.81422	58.49234	32.43836	1.80145	0.1526560	0.18065127	3.0991460	21	6 9.1	21.7
341813 2007 XH_{57}	15.8	X	229.93448	199.67204	221.21458	7.94647	0.0508653	0.18789293	3.0189952	21	7 8.3	20.3
341814 2007 XR_{57}	15.5	X	168.13687	337.11527	103.89853	11.35186	0.0975666	0.17600864	3.1534073	21	5 28.9	20.4
341815 2007 XY_{57}	15.7	X	214.90568	122.57883	254.28573	8.60210	0.1036485	0.17825153	3.1268991	21	4 23.4	20.7
341816 2007 YK	17.5	X	139.33691	281.48280	132.83774	31.84455	0.3216110	0.38538301	1.8701409	21	4 7.6	20.9
341817 2007 YV_{2}	16.6	X	116.32171	122.85907	11.25345	4.28898	0.0857571	0.17469549	3.1691899	21	6 3.9	21.3
341818 2007 YX_{16}	15.7	X	145.91288	60.54170	77.79319	6.44580	0.1077859	0.18368567	3.0649204	21	7 14.9	20.5
341819 2007 YE_{32}	15.6	X	264.24303	268.51145	74.29987	11.17976	0.0410999	0.18055830	3.1002097	21	5 15.8	20.1
341820 2007 YT_{51}	15.8	X	177.16871	170.22538	256.57394	4.42972	0.0378421	0.17834580	3.1257971	21	5 16.6	20.2
341821 2007 YS_{52}	16.2	X	156.04219	104.38926	343.57281	4.92562	0.1669058	0.17455074	3.1709416	21	5 25.6	21.5
341822 2007 YW_{65}	16.6	X	186.96922	297.31554	117.30317	1.76270	0.2183568	0.17532504	3.1615987	21	5 14.6	22.1
341823 2007 YB_{69}	16.4	X	169.54418	63.81803	30.10433	1.18852	0.1445126	0.17855454	3.1233605	21	6 14.3	21.5
341824 2008 AZ_{5}	16.6	X	231.05431	325.19872	94.68355	3.86740	0.1406204	0.19225098	2.9731970	21	7 1.0	21.2
341825 2008 AE_{22}	15.2	X	125.85612	259.09721	124.43309	11.08311	0.1050790	0.15033380	3.5029314	21	2 8.0	20.3
341826 Aurelbaier	15.8	X	192.87484	73.83092	315.63308	14.81162	0.2706372	0.17704422	3.1410984	21	4 11.9	21.7
341827 2008 AH_{87}	16.4	X	172.18351	106.43109	298.40489	4.00545	0.2017342	0.17211261	3.2008176	21	4 19.1	21.8
341828 2008 BK_{2}	16.1	X	188.90205	83.03280	353.99834	9.28657	0.2086020	0.17738610	3.1370612	21	6 10.2	21.6
341829 2008 BF_{39}	15.3	X	208.85454	271.80049	107.38719	10.75142	0.1068357	0.16950925	3.2335068	21	4 27.4	20.5
341830 2008 CY_{53}	14.6	X	220.33139	248.12694	293.24358	8.25469	0.1582550	0.12470463	3.9677807	21	11 3.7	20.7
341831 2008 CU_{64}	14.9	X	148.42806	356.88468	248.74236	3.36790	0.0338975	0.12393906	3.9841032	21	11 13.6	20.6
341832 2008 CP_{72}	17.7	X	321.68954	151.67009	353.63606	18.83631	0.0618811	0.36039164	1.9556280	21	—	—
341833 2008 CS_{89}	16.5	X	166.50131	280.32345	153.74688	1.65277	0.1545360	0.17508388	3.1645013	21	5 19.4	21.6
341834 2008 CY_{106}	16.2	X	308.21277	286.45713	118.97572	11.76529	0.0724524	0.19093613	2.9868309	21	10 3.3	20.3
341835 2008 CB_{136}	15.3	X	186.80703	17.24097	200.02929	2.31756	0.0956892	0.12458916	3.9702319	21	11 19.9	21.3
341836 2008 CH_{144}	15.8	X	254.23226	312.62610	79.02173	10.80055	0.0883833	0.19005472	2.9960584	21	6 26.5	20.0
341837 2008 CT_{200}	18.2	X	204.17167	39.58602	174.39559	2.88596	0.1266954	0.27130664	2.3631744	21	12 23.7	21.3
341838 2008 CW_{205}	15.4	X	222.76467	145.11096	44.42248	0.71562	0.0655572	0.12678657	3.9242247	21	11 26.6	21.1
341839 2008 DP_{5}	16.5	X	226.69381	102.89228	340.14417	13.75993	0.3450107	0.18512275	3.0490381	21	7 14.1	22.2
341840 2008 DR_{49}	17.9	X	279.35208	214.33827	340.56448	17.93954	0.0611174	0.36246645	1.9481580	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341841 2008 DN_{52}	14.9	X	273.52601	315.45033	188.82372	9.24744	0.1658385	0.12510902	3.9592262	21	11 19.9	20.4
341842 2008 DG_{79}	14.8	X	272.17317	99.54403	37.00200	7.76692	0.1310627	0.12594080	3.9417743	21	11 12.1	20.1
341843 2008 EV_{5}	20.0	X	244.52560	234.96640	93.37356	7.43706	0.0833696	1.05087154	0.9581562	21	—	—
341844 2008 EF_{29}	14.9	X	326.46219	343.05086	126.15335	3.82385	0.1583835	0.12566696	3.9474985	21	12 24.7	19.6
341845 2008 EQ_{39}	13.5	X	316.76813	38.89111	260.44311	4.57235	0.2112414	0.08399416	5.1638069	21	5 10.3	19.8
341846 2008 EV_{55}	15.7	X	106.75000	100.02308	328.24021	7.14047	0.1013564	0.15431981	3.4423493	21	3 7.7	20.5
341847 2008 EC_{121}	17.7	X	309.45588	284.23821	17.85833	4.84977	0.1835360	0.30628390	2.1796492	21	4 15.6	20.2
341848 2008 EV_{147}	17.7	X	295.02952	116.49346	156.47354	3.36365	0.2240795	0.29607000	2.2294947	21	2 12.2	20.9
341849 2008 FT_{20}	17.9	X	304.83770	196.44696	111.26711	5.83042	0.2058015	0.30408536	2.1901425	21	4 17.3	20.4
341850 2008 FM_{21}	17.8	X	262.83879	227.43562	79.97080	6.33204	0.1976377	0.29526337	2.2335533	21	3 2.9	21.3
341851 2008 FC_{30}	18.3	X	330.82573	283.59780	339.48123	5.25126	0.1415092	0.30637459	2.1792191	21	3 27.9	20.3
341852 2008 FQ_{50}	17.7	X	273.75302	144.16276	150.15251	5.21446	0.1751972	0.29476717	2.2360593	21	2 23.8	21.0
341853 2008 FH_{57}	17.2	X	244.04056	267.87796	31.30828	6.71712	0.1471981	0.28910558	2.2651575	21	2 6.1	20.7
341854 2008 FO_{63}	13.5	X	311.37325	256.49490	65.94400	10.14784	0.2315147	0.08402199	5.1626665	21	5 27.4	19.7
341855 2008 FF_{79}	17.9	X	355.91543	102.17818	197.24790	4.27564	0.1216099	0.31586185	2.1353608	21	7 23.9	19.6
341856 2008 FN_{94}	13.9	X	355.25833	90.45871	174.23353	8.00517	0.0592389	0.08356723	5.1813794	21	6 8.4	20.5
341857 2008 FV_{100}	13.7	X	292.90245	230.76247	100.85096	8.45563	0.0688583	0.08381901	5.1709980	21	6 5.9	20.4
341858 2008 FQ_{112}	17.8	X	285.34751	238.56361	80.70997	4.83607	0.2091117	0.30231561	2.1986816	21	4 7.9	20.7
341859 2008 FW_{112}	18.0	X	270.49841	289.42645	44.88156	6.35438	0.1824700	0.30367942	2.1920938	21	4 13.8	21.1
341860 2008 FM_{117}	17.9	X	309.40555	300.82888	22.05089	7.55010	0.0540524	0.30990274	2.1626477	21	6 8.8	20.2
341861 2008 FA_{118}	13.3	X	316.49690	98.39941	214.73308	21.14145	0.1097595	0.08262652	5.2206318	21	6 7.7	20.0
341862 2008 FC_{124}	17.6	X	318.33533	230.70517	67.47314	7.97952	0.1761945	0.30259443	2.1973307	21	4 28.7	19.7
341863 2008 FB_{126}	12.9	X	326.86797	238.62517	63.40546	18.00763	0.0743749	0.08217310	5.2398188	21	6 11.4	19.6
341864 2008 FE_{130}	17.7	X	292.27196	250.29581	49.67261	6.92040	0.1922980	0.29848368	2.2174593	21	3 24.1	20.7
341865 2008 FA_{132}	13.6	X	266.90651	307.68010	45.85727	5.30426	0.0913944	0.08422047	5.1545522	21	5 27.9	20.5
341866 2008 FS_{132}	18.0	X	27.41120	24.41244	188.14416	4.94820	0.0927650	0.30462495	2.1875555	21	5 4.3	19.9
341867 2008 FL_{134}	13.8	X	290.29715	131.88687	211.42852	24.09321	0.0807419	0.08298405	5.2056260	21	6 12.4	20.8
341868 2008 GU_{1}	17.3	X	251.29159	280.90267	351.20953	3.28829	0.1989392	0.28456314	2.2891994	21	1 6.8	20.9
341869 2008 GW_{6}	13.3	X	348.97998	233.28184	48.34202	9.60329	0.1304141	0.08371079	5.1754536	21	6 15.7	19.5
341870 2008 GS_{31}	12.9	X	338.65268	239.02162	52.21084	22.40717	0.0888378	0.08474438	5.1332857	21	6 11.7	19.5
341871 2008 GH_{38}	18.3	X	45.42086	10.74850	183.80548	4.39042	0.0949344	0.30307088	2.1950272	21	5 10.5	20.2
341872 2008 GW_{44}	13.9	X	324.22020	82.13401	221.90192	23.15039	0.1252699	0.08225534	5.2363257	21	6 5.8	20.5
341873 2008 GT_{45}	17.4	X	281.57312	220.46992	84.06244	7.56859	0.2502073	0.29464169	2.2366941	21	3 13.3	20.9
341874 2008 GB_{53}	18.0	X	251.03028	225.30492	130.84375	3.70702	0.1668915	0.30614065	2.1803291	21	4 24.1	21.1
341875 2008 GX_{56}	13.7	X	348.90095	222.91061	40.64012	6.42075	0.1039489	0.08341203	5.1878042	21	5 26.5	20.0
341876 2008 GW_{77}	18.0	X	291.15193	239.01436	89.22242	5.25396	0.1850200	0.30355764	2.1926801	21	4 30.6	20.6
341877 2008 GA_{78}	13.9	X	316.42249	188.29428	126.19909	6.75632	0.1234855	0.08225757	5.2362308	21	6 9.1	20.4
341878 2008 GL_{86}	17.9	X	299.77546	278.52348	19.31281	8.42771	0.2111552	0.30121021	2.2040575	21	3 25.5	20.7
341879 2008 GT_{86}	17.5	X	301.77471	179.02528	110.16656	4.60659	0.2191811	0.29955817	2.2121536	21	3 15.9	20.4
341880 2008 GT_{87}	13.1	X	319.57448	279.05147	23.01847	35.81563	0.1385395	0.08398071	5.1643583	21	5 13.1	19.9
341881 2008 GM_{94}	13.7	X	303.46444	197.63645	114.43297	6.89439	0.0480776	0.08406123	5.1610598	21	5 30.1	20.4
341882 2008 GA_{101}	17.4	X	261.17756	317.24947	39.49446	6.71040	0.0882305	0.30570584	2.1823960	21	5 13.5	20.1
341883 2008 GS_{104}	14.9	X	328.58548	288.17531	173.78704	9.28724	0.1792220	0.12500801	3.9613586	21	12 18.9	19.7
341884 2008 GA_{120}	17.9	X	246.44597	104.24074	162.91787	2.39784	0.2221642	0.28283109	2.2985359	21	—	—
341885 2008 GB_{131}	18.3	X	287.47000	85.48150	187.54913	4.96350	0.1499091	0.29151774	2.2526448	21	2 12.2	21.5
341886 2008 GG_{132}	13.7	X	357.03799	164.10994	97.07186	6.81722	0.0743053	0.08088563	5.2952745	21	6 6.2	20.2
341887 2008 GM_{133}	18.1	X	25.06143	193.13449	70.28286	2.73346	0.1055486	0.31111374	2.1570320	21	7 25.4	19.7
341888 2008 GT_{143}	13.9	X	240.79524	233.24411	144.18582	13.21570	0.0298763	0.07989394	5.3390029	21	6 5.7	21.1
341889 2008 HF	17.1	X	37.38440	43.09652	62.91455	23.00154	0.1005151	0.37243883	1.9132251	21	—	—
341890 2008 HK_{12}	17.0	X	290.04881	136.70944	46.69129	7.12119	0.0396861	0.27589102	2.3369227	21	—	—
341891 2008 HK_{18}	13.8	X	305.91892	205.86248	124.56376	10.52483	0.0919625	0.08342652	5.1872035	21	6 17.6	20.5
341892 2008 HM_{20}	13.7	X	357.24409	54.79180	211.17609	12.56471	0.0121683	0.08511419	5.1184062	21	6 12.1	20.6
341893 2008 HF_{21}	18.3	X	263.90512	157.56124	141.40664	3.23846	0.1496347	0.29028538	2.2590158	21	2 22.7	21.6
341894 2008 HR_{21}	13.5	X	349.65596	238.13599	52.76651	12.15954	0.0948223	0.08272968	5.2162909	21	6 29.5	20.0
341895 2008 HW_{21}	17.7	X	251.52994	81.73062	213.54195	3.73715	0.1758436	0.28711061	2.2756382	21	2 3.2	21.4
341896 2008 HR_{36}	17.4	X	193.79872	214.89990	96.57587	8.09390	0.2037161	0.27700822	2.3306351	21	1 7.5	21.0
341897 2008 HJ_{43}	14.1	X	332.17718	106.16179	184.78224	3.55609	0.0604984	0.08353653	5.1826486	21	6 8.3	20.7
341898 2008 HJ_{51}	18.0	X	207.05301	106.45430	215.13169	5.29826	0.2103947	0.28195829	2.3032768	21	1 28.6	21.8
341899 2008 HK_{53}	17.5	X	298.31874	198.92078	96.06240	9.50013	0.1645568	0.29714468	2.2241159	21	3 31.2	20.4
341900 2008 HE_{54}	13.5	X	355.19517	223.95889	66.49286	13.67464	0.0449800	0.08378673	5.1723258	21	7 7.9	20.2
341901 2008 HN_{55}	17.8	X	180.11249	71.09064	222.24073	12.89652	0.2894064	0.26943029	2.3741333	21	—	—
341902 2008 HX_{59}	17.5	X	194.56591	147.80574	156.58821	3.77158	0.2527996	0.28168565	2.3047628	21	1 1.2	21.3
341903 2008 HP_{61}	17.7	X	302.67751	37.74587	234.37747	2.61935	0.1612516	0.29413269	2.2392738	21	2 27.0	20.5
341904 2008 HJ_{70}	17.7	X	15.10994	262.24840	23.44046	2.45412	0.0955882	0.31338764	2.1465852	21	8 11.6	19.5
341905 2008 JQ_{6}	17.7	X	325.39294	42.71419	196.37768	6.96283	0.0876031	0.29356179	2.2421760	21	2 22.9	20.4
341906 2008 JC_{8}	16.7	X	250.93070	90.54627	190.24634	23.84379	0.1666568	0.28599270	2.2815645	21	1 14.1	20.9
341907 2008 JF_{10}	17.7	X	250.18189	109.72824	222.35596	6.88011	0.1975737	0.29315507	2.2442493	21	3 17.3	21.2
341908 2008 JV_{13}	17.3	X	246.34597	161.17360	109.54451	5.37863	0.1781974	0.28046265	2.3114581	21	1 1.6	21.0
341909 2008 JU_{16}	13.8	X	67.13205	12.11811	186.23297	9.58975	0.0089248	0.08237043	5.2314469	21	6 16.3	20.8
341910 2008 JU_{20}	17.5	X	311.15745	251.08664	54.92640	7.62757	0.2170628	0.29956927	2.2120989	21	4 21.4	19.9
341911 2008 JB_{29}	16.9	X	244.93859	263.13666	44.04115	21.61063	0.2485971	0.28692587	2.2766149	21	2 22.1	21.2
341912 2008 JA_{32}	17.0	X	201.92265	266.71466	77.86981	3.78124	0.1961265	0.28463786	2.2887987	21	2 24.2	20.7
341913 2008 JZ_{32}	15.8	X	143.04158	170.31989	157.62466	15.82520	0.1656150	0.19261212	2.9694793	21	—	—
341914 2008 KH_{1}	17.4	X	282.25983	132.24846	186.52709	6.63800	0.1526326	0.29676787	2.2259981	21	4 9.8	20.2
341915 2008 KA_{2}	15.8	X	159.19498	88.77796	95.86743	10.94205	0.1713762	0.17536649	3.1611006	21	9 28.3	21.2
341916 2008 KD_{2}	17.5	X	155.32295	192.63858	172.97190	5.62598	0.1799457	0.27934169	2.3176377	21	2 3.9	20.9
341917 2008 KV_{8}	13.9	X	325.67615	85.76078	224.03938	11.14586	0.0722370	0.08175280	5.2577623	21	6 19.9	20.6
341918 2008 KX_{17}	18.1	X	26.26991	74.25116	164.16386	3.37079	0.0229956	0.30623477	2.1798823	21	6 8.7	20.3
341919 2008 KD_{18}	13.2	X	349.55748	90.06601	187.34796	23.21931	0.0544818	0.08024546	5.3233995	21	6 15.1	20.2
341920 2008 KZ_{19}	18.3	X	45.85947	96.54541	139.55864	2.89729	0.1040121	0.30986416	2.1628272	21	7 18.6	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
341921 2008 KB_{20}	17.4	X	277.20420	148.77072	121.11787	3.64612	0.1445521	0.28829006	2.2694273	21	1 30.7	20.6
341922 2008 KH_{35}	13.9	X	287.90563	141.97668	202.69168	7.74954	0.0807184	0.08004497	5.3322848	21	6 12.9	20.9
341923 2008 KZ_{37}	13.4	X	330.49405	106.46088	214.59210	28.31516	0.0624375	0.08358224	5.1807588	21	7 4.9	20.4
341924 2008 KL_{40}	17.8	X	278.96431	102.01778	195.00100	5.93975	0.2033920	0.29083761	2.2561554	21	2 28.5	21.1
341925 2008 KD_{43}	13.1	X	263.82531	238.73913	134.20776	10.66748	0.0391045	0.08043063	5.3152259	21	6 23.4	20.2
341926 2008 LW	14.2	X	298.48093	122.98730	202.29930	10.87406	0.1150531	0.08189078	5.2518546	21	5 30.5	21.0
341927 2008 LF_{5}	17.1	X	188.60387	175.49203	110.49537	7.20213	0.2377343	0.26639491	2.3921336	21	—	—
341928 2008 LZ_{5}	12.9	X	230.26805	326.35352	79.72436	28.41802	0.1135594	0.08333517	5.1909936	21	6 16.2	20.1
341929 2008 MC_{4}	17.3	X	185.01306	161.24329	121.56316	6.03368	0.2945725	0.26470113	2.4023274	21	—	—
341930 2008 NR_{2}	16.9	X	170.63187	359.41708	302.99691	4.20397	0.1745166	0.26322937	2.4112736	21	—	—
341931 2008 NH_{3}	17.2	X	284.08856	28.72266	251.02372	3.97408	0.1650268	0.28451659	2.2894491	21	2 16.1	20.4
341932 2008 OU	17.2	X	150.03905	32.12712	294.45900	4.82691	0.1635648	0.26352973	2.4094410	21	—	—
341933 2008 OZ_{2}	17.6	X	282.38329	298.27439	343.96827	2.90690	0.1500288	0.28403174	2.2920537	21	2 21.4	20.8
341934 2008 OK_{7}	17.0	X	259.60509	338.07819	295.91439	8.26308	0.1250380	0.27745814	2.3281149	21	1 20.6	20.3
341935 2008 OR_{8}	17.4	X	198.44959	98.68134	211.63917	4.82690	0.1563991	0.26994271	2.3711279	21	1 7.9	21.0
341936 2008 OD_{9}	17.3	X	135.68647	255.99307	79.26802	2.49095	0.2034371	0.26064352	2.4271955	21	—	—
341937 2008 OG_{9}	17.8	X	171.06128	124.02983	223.39618	1.49549	0.2497410	0.26956015	2.3733708	21	2 4.1	21.8
341938 2008 OT_{10}	17.4	X	112.82451	27.51178	353.38241	3.47594	0.2201380	0.26147480	2.4220485	21	1 15.1	20.3
341939 2008 OE_{14}	17.1	X	183.47118	131.81353	154.73788	5.19398	0.2148790	0.26419448	2.4053977	21	—	—
341940 2008 OB_{18}	17.2	X	205.14594	333.52427	325.71305	5.59616	0.1235691	0.26752243	2.3854075	21	—	—
341941 2008 OK_{24}	17.2	X	167.81952	41.65389	267.26870	11.28426	0.2055215	0.26214755	2.4179029	21	—	—
341942 2008 OV_{24}	17.0	X	131.26598	3.64911	2.34605	2.10411	0.2256303	0.26330402	2.4108178	21	1 19.2	20.1
341943 2008 OG_{25}	16.8	X	208.36840	36.17460	272.80206	7.88546	0.2585521	0.27160906	2.3614199	21	1 17.6	20.9
341944 2008 PC	17.0	X	209.30157	328.30843	330.29640	6.28249	0.1287012	0.27078253	2.3662227	21	1 4.1	20.6
341945 2008 PE	17.1	X	118.21068	229.08201	100.21466	3.42151	0.2182606	0.25543482	2.4600805	21	—	—
341946 2008 PW	16.7	X	121.96759	109.39618	226.11786	5.93408	0.1390704	0.25756398	2.4465042	21	—	—
341947 2008 PC_{1}	17.3	X	224.89639	136.16969	137.12013	10.31181	0.2189195	0.27190389	2.3597125	21	—	—
341948 2008 PH_{2}	16.9	X	176.61165	4.42339	295.01696	13.43561	0.0198749	0.26458592	2.4030247	21	—	—
341949 2008 PD_{3}	17.6	X	196.53861	27.45382	304.40510	0.62847	0.2009722	0.27141406	2.3625508	21	2 4.0	21.5
341950 2008 PT_{4}	17.2	X	132.63910	274.59825	45.12521	5.43687	0.2161837	0.25709661	2.4494683	21	—	—
341951 2008 PK_{5}	16.7	X	122.32582	176.02957	188.88121	6.16301	0.1561154	0.26117805	2.4238827	21	—	—
341952 2008 PY_{11}	17.6	X	152.32597	67.88771	271.22850	1.76987	0.2207258	0.26351883	2.4095075	21	1 6.8	20.9
341953 2008 PU_{15}	18.0	X	191.40041	339.86738	328.47792	2.08473	0.2048909	0.26655599	2.3911698	21	1 3.4	21.9
341954 2008 PS_{19}	18.0	X	136.91571	84.72340	294.74670	0.47736	0.1993079	0.26519776	2.3993272	21	2 7.4	21.2
341955 2008 PH_{20}	16.8	X	114.50261	292.46579	134.01729	22.20482	0.1062058	0.27116428	2.3640014	21	3 2.2	19.8
341956 2008 PQ_{20}	16.8	X	102.48933	285.92890	74.17381	9.52555	0.1855306	0.25553109	2.4594626	21	—	—
341957 2008 PV_{20}	16.9	X	80.87801	318.43363	54.18712	7.07562	0.2166176	0.25176501	2.4839288	21	—	—
341958 Chrétien	16.9	X	163.45344	9.02244	299.14617	4.12331	0.1885341	0.26152079	2.4217644	21	—	—
341959 2008 QM	17.8	X	210.80885	151.35959	132.22597	2.08777	0.1783313	0.26693731	2.3888921	21	—	—
341960 2008 QJ_{1}	17.1	X	146.04196	316.93624	34.22064	2.24556	0.2065915	0.26307084	2.4122422	21	1 14.3	20.6
341961 2008 QL_{1}	17.4	X	136.20413	289.78588	75.79605	2.27247	0.1967661	0.26291476	2.4131968	21	1 20.5	20.6
341962 2008 QU_{1}	17.0	X	25.72224	45.11376	330.39591	13.11843	0.2003880	0.24007402	2.5639287	21	—	—
341963 2008 QX_{1}	17.5	X	166.64425	147.09467	184.04102	5.64846	0.1644105	0.26348600	2.4097076	21	1 4.7	21.2
341964 2008 QU_{6}	17.6	X	219.33744	58.22891	215.40488	1.18168	0.2014247	0.26672582	2.3901547	21	—	—
341965 2008 QV_{6}	16.8	X	123.03261	5.79995	338.86356	5.87456	0.1308782	0.25660640	2.4525868	21	—	—
341966 2008 QS_{10}	17.6	X	102.70435	197.52961	189.40844	1.08547	0.2148383	0.25755549	2.4465579	21	1 7.3	20.0
341967 2008 QW_{13}	17.8	X	27.65164	81.65587	320.40202	7.15449	0.1911484	0.24506441	2.5290022	21	—	—
341968 2008 QH_{14}	17.1	X	232.02287	316.17413	324.28202	3.48538	0.1426550	0.26943627	2.3740982	21	1 3.3	20.8
341969 2008 QT_{15}	17.3	X	141.59001	171.25800	194.58056	2.38553	0.1940340	0.26279684	2.4139186	21	1 25.4	20.8
341970 2008 QA_{16}	17.3	X	103.39087	78.04769	327.34819	1.72710	0.1868182	0.26164298	2.4210104	21	1 28.5	19.8
341971 2008 QN_{17}	16.8	X	251.97256	301.27226	346.43810	5.80226	0.1000760	0.27186092	2.3599612	21	2 3.1	20.2
341972 2008 QO_{20}	16.0	X	58.90951	305.90013	333.72811	12.39148	0.2405574	0.23035155	2.6355745	21	10 19.0	19.9
341973 2008 QO_{26}	17.1	X	116.82266	245.69160	76.97078	2.00334	0.1855318	0.25327731	2.4740313	21	—	—
341974 2008 QZ_{30}	17.2	X	131.35685	125.04324	228.46316	5.63811	0.1119682	0.25955608	2.4339701	21	—	—
341975 2008 QV_{36}	18.2	X	75.06538	251.59705	182.54555	4.25473	0.2075076	0.26073731	2.4266135	21	1 21.7	20.3
341976 2008 QD_{37}	17.6	X	205.84251	98.12509	190.34529	2.16028	0.1696892	0.26528877	2.3987785	21	—	—
341977 2008 QC_{38}	17.5	X	43.76043	202.65042	164.60682	13.44965	0.1632801	0.24152161	2.5536736	21	—	—
341978 2008 QU_{38}	16.6	X	72.54716	311.68703	334.29785	13.17831	0.1588678	0.23493187	2.6012061	21	11 1.4	20.7
341979 2008 QF_{39}	16.4	X	229.78602	337.67036	211.76829	4.29164	0.1380378	0.24317115	2.5421120	21	12 15.6	19.8
341980 2008 QZ_{39}	17.2	X	56.16052	242.86979	163.21813	6.34084	0.1430206	0.25292430	2.4763328	21	—	—
341981 2008 QF_{40}	17.6	X	130.37485	64.91896	332.99003	2.12922	0.1917348	0.26500834	2.4004704	21	2 22.9	20.9
341982 2008 QR_{40}	17.4	X	358.87032	162.91484	188.15820	3.42897	0.1038993	0.22846888	2.6500334	21	10 10.8	20.4
341983 2008 QV_{40}	16.0	X	165.09510	24.61582	184.70997	13.26143	0.2557794	0.23584342	2.5944992	21	11 1.7	20.7
341984 2008 QP_{44}	17.3	X	104.37263	260.88969	132.81006	1.68275	0.1770029	0.25859476	2.4399986	21	1 12.8	20.0
341985 2008 QT_{45}	16.9	X	129.36366	168.32464	168.46773	7.24350	0.1620486	0.25734953	2.4478631	21	—	—
341986 2008 QS_{46}	17.1	X	171.16815	51.25235	248.77668	5.59814	0.1408283	0.25918703	2.4362800	21	—	—
341987 2008 QG_{47}	17.3	X	98.07318	263.26222	56.54336	1.61101	0.1570018	0.24802081	2.5088651	21	—	—
341988 2008 QH_{47}	17.3	X	61.20111	265.85351	196.69433	8.89138	0.1812885	0.26121177	2.4236741	21	1 30.2	19.6
341989 2008 RL_{2}	17.0	X	0.83676	85.76491	343.17013	12.32217	0.0714725	0.24495357	2.5297651	21	—	—
341990 2008 RT_{2}	17.1	X	198.33535	309.80845	342.71103	8.45823	0.2085568	0.26398358	2.4066787	21	—	—
341991 2008 RB_{4}	17.1	X	284.41699	260.60237	305.56341	1.81417	0.1286146	0.26076337	2.4264517	21	—	—
341992 2008 RE_{9}	17.6	X	87.62699	295.72431	7.26103	14.74872	0.2580319	0.24206359	2.5498604	21	12 22.4	22.1
341993 2008 RP_{10}	17.2	X	148.61516	344.43587	14.27144	2.91748	0.2136727	0.26305686	2.4123277	21	1 27.7	20.6
341994 2008 RP_{16}	17.7	X	145.67007	48.95841	248.99678	3.05873	0.1654585	0.25237549	2.4799215	21	—	—
341995 2008 RA_{21}	18.1	X	134.16187	50.17761	233.99524	1.88515	0.1393925	0.24688746	2.5165372	21	—	—
341996 2008 RH_{21}	17.4	X	74.78507	172.29875	182.22845	13.44945	0.1561429	0.24628786	2.5206200	21	—	—
341997 2008 RO_{22}	17.4	X	117.44849	233.54784	116.07056	5.13278	0.1952218	0.25612436	2.4556632	21	—	—
341998 2008 RC_{24}	16.0	X	253.77027	82.33573	319.27437	10.52788	0.0692797	0.21490589	2.7603903	21	7 13.4	19.9
341999 2008 RT_{25}	17.0	X	96.53471	253.34607	155.81487	15.23919	0.1214040	0.26225554	2.4172390	21	1 11.4	19.9
342000 Neumünster	17.2	X	73.20532	171.08338	332.31286	6.26323	0.0762428	0.28028081	2.3124578	21	4 6.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342001 2008 RJ_{34}	16.9	X	347.53334	306.92642	197.18146	5.07128	0.0971135	0.25802743	2.4435738	21	—	—
342002 2008 RO_{34}	17.7	X	75.69434	150.48650	279.23578	1.46454	0.1953337	0.25825410	2.4421438	21	1 16.5	19.6
342003 2008 RV_{34}	16.9	X	45.58778	307.19224	190.37640	7.17501	0.1714707	0.26726992	2.3869097	21	2 17.5	18.9
342004 2008 RL_{35}	17.9	X	148.38452	31.76933	309.42214	0.89322	0.1948497	0.26019462	2.4299864	21	1 3.0	21.3
342005 2008 RS_{35}	16.5	X	304.98959	147.18536	347.57486	5.20211	0.0405580	0.24736184	2.5133188	21	—	—
342006 2008 RS_{36}	17.0	X	259.39053	234.73248	345.09731	5.20050	0.0869129	0.25854415	2.4403170	21	—	—
342007 2008 RQ_{42}	17.4	X	43.33596	256.22413	95.04920	1.01317	0.2226169	0.23888933	2.5723983	21	—	—
342008 2008 RY_{46}	17.6	X	349.44339	152.27519	252.27209	0.43673	0.1183803	0.23483949	2.6018882	21	12 10.3	20.5
342009 2008 RJ_{47}	17.4	X	162.44238	157.30056	159.92713	2.63123	0.2395504	0.26297529	2.4128265	21	—	—
342010 2008 RX_{56}	16.4	X	206.91631	219.20822	335.62480	5.52132	0.1543144	0.24198623	2.5504038	21	11 23.1	20.2
342011 2008 RK_{63}	16.5	X	173.45674	228.36997	1.41926	15.12147	0.0592790	0.24243891	2.5472281	21	12 7.8	20.5
342012 2008 RL_{65}	17.3	X	138.98784	322.36378	0.43496	13.16754	0.2257938	0.25639131	2.4539583	21	—	—
342013 2008 RX_{69}	17.2	X	164.29964	96.23757	245.41259	2.46544	0.1835882	0.26501583	2.4004252	21	1 17.2	20.7
342014 2008 RM_{72}	17.1	X	121.37533	210.86350	165.56875	6.65179	0.1217580	0.26251537	2.4156438	21	1 3.9	20.2
342015 2008 RQ_{74}	17.6	X	138.76637	314.57973	21.61375	2.95872	0.1879849	0.25825578	2.4421332	21	—	—
342016 2008 RN_{78}	15.7	X	24.65947	236.12985	115.54585	32.18356	0.2619716	0.23196943	2.6233056	21	12 21.6	19.3
342017 Ramonin	17.3	X	181.47196	302.61056	36.94275	3.07797	0.1861172	0.26848959	2.3796755	21	2 1.1	21.0
342018 2008 RY_{80}	16.3	X	18.49579	155.73208	246.63240	5.62925	0.3292998	0.23401654	2.6079845	21	—	—
342019 2008 RG_{84}	17.8	X	72.82979	79.34743	305.30105	2.93092	0.1369924	0.25293925	2.4762352	21	—	—
342020 2008 RW_{88}	17.1	X	99.85416	334.76562	313.78743	6.43930	0.2053343	0.24065105	2.5598285	21	12 11.8	21.4
342021 2008 RM_{93}	17.5	X	160.71349	313.33571	9.08870	2.73319	0.1711576	0.25964668	2.4334039	21	—	—
342022 2008 RK_{95}	16.9	X	105.82088	132.28723	227.73930	4.26979	0.1202344	0.25614804	2.4555118	21	—	—
342023 2008 RO_{96}	16.9	X	280.05409	118.60649	2.85225	5.45916	0.0231112	0.23644431	2.5901016	21	12 8.2	20.3
342024 2008 RH_{98}	17.1	X	183.24816	129.36339	183.42553	3.25335	0.2445817	0.26486411	2.4013418	21	1 4.0	21.1
342025 2008 RM_{99}	18.0	X	2.22444	84.01807	356.64096	1.80936	0.1488171	0.24491499	2.5300308	21	—	—
342026 2008 RY_{99}	17.1	X	331.58667	281.06094	160.23144	5.61971	0.2543848	0.23604964	2.5929879	21	—	—
342027 2008 RV_{100}	16.9	X	352.84387	260.34454	174.54548	11.35517	0.0654721	0.24442039	2.5334427	21	—	—
342028 2008 RX_{101}	17.1	X	270.62093	271.92069	186.59103	3.15789	0.1523332	0.22694564	2.6618780	21	10 6.7	20.4
342029 2008 RH_{103}	17.1	X	185.37296	74.77209	236.14304	4.39948	0.0996944	0.26251103	2.4156704	21	—	—
342030 2008 RE_{106}	16.2	X	13.30248	332.31734	24.96699	12.21753	0.2512585	0.23100797	2.6305794	21	12 1.4	19.2
342031 2008 RA_{108}	16.1	X	4.04867	72.24106	332.73510	14.12979	0.1540745	0.23629210	2.5912138	21	—	—
342032 2008 RT_{110}	17.7	X	153.90278	174.15501	124.40751	2.52579	0.2269663	0.25460717	2.4654089	21	—	—
342033 2008 RW_{111}	16.6	X	322.89754	97.38371	275.21914	2.87383	0.1891311	0.22371463	2.6874462	21	8 28.6	19.2
342034 2008 RF_{112}	17.9	X	162.00642	39.38116	255.11672	1.82359	0.1854120	0.25428816	2.4674704	21	—	—
342035 2008 RR_{113}	16.9	X	294.26852	187.87694	349.22147	5.61916	0.0747961	0.25570436	2.4583514	21	—	—
342036 2008 RB_{114}	17.3	X	106.98417	55.23582	352.35142	6.37965	0.1348421	0.26357694	2.4091534	21	1 29.7	20.1
342037 2008 RT_{114}	16.3	X	121.73800	235.80300	24.85221	11.39791	0.1906425	0.23524031	2.5989318	21	11 23.6	20.7
342038 2008 RG_{115}	16.0	X	15.35652	325.73455	43.07386	6.46523	0.2092656	0.23137211	2.6278186	21	12 15.9	19.0
342039 2008 RP_{116}	17.1	X	77.76673	305.11123	34.20002	4.98769	0.2917319	0.24121466	2.5558396	21	—	—
342040 2008 RT_{116}	16.4	X	354.09321	264.10075	215.54311	3.74825	0.2356727	0.24129360	2.5552821	21	—	—
342041 2008 RJ_{117}	16.4	X	52.31795	19.48814	291.21182	12.41402	0.1844168	0.23306185	2.6151017	21	11 15.6	20.2
342042 2008 RT_{118}	17.2	X	334.98743	38.37526	34.19949	2.61169	0.0932510	0.23084277	2.6318342	21	12 21.6	20.3
342043 2008 RW_{119}	16.3	X	182.87099	205.66181	14.07313	12.70956	0.1100457	0.23993301	2.5649331	21	12 1.3	20.4
342044 2008 RE_{120}	16.6	X	352.07432	183.65024	179.08549	16.67990	0.1217486	0.22671354	2.6636944	21	10 18.4	19.5
342045 2008 RD_{121}	17.8	X	1.46257	72.59770	345.96741	1.31452	0.1259788	0.24120206	2.5559286	21	—	—
342046 2008 RQ_{125}	16.3	X	38.81736	181.70401	159.39076	15.20336	0.1034750	0.23805016	2.5784402	21	12 1.9	20.0
342047 2008 RG_{130}	16.5	X	313.61568	201.60676	222.04218	11.73913	0.1545093	0.22446844	2.6814262	21	10 29.0	19.3
342048 2008 RX_{130}	17.7	X	185.32570	208.10221	99.43487	2.56717	0.1599522	0.26198248	2.4189184	21	—	—
342049 2008 RN_{131}	17.4	X	172.68011	205.48248	98.22981	2.33443	0.1790696	0.25927894	2.4357043	21	—	—
342050 2008 RY_{134}	18.0	X	185.67820	132.57192	166.35465	3.06180	0.2034410	0.26195728	2.4190735	21	—	—
342051 2008 RL_{135}	16.7	X	337.31259	67.81473	310.32875	3.66568	0.0420347	0.23065461	2.6332653	21	10 9.6	20.0
342052 2008 RD_{140}	17.0	X	2.41856	81.85025	136.93722	4.73643	0.1086487	0.28106651	2.3081462	21	3 30.4	19.1
342053 2008 RO_{144}	17.0	X	219.84165	310.49115	332.69122	6.22687	0.0938739	0.26456693	2.4031396	21	—	—
342054 2008 RQ_{145}	18.1	X	61.51603	271.74806	180.60882	2.07342	0.1817062	0.26001911	2.4310798	21	1 18.1	20.0
342055 2008 RV_{146}	15.7	X	22.59566	39.26926	10.36229	22.24971	0.1501923	0.23846233	2.5754682	21	—	—
342056 2008 RX_{146}	16.8	X	303.68658	34.01895	62.48720	4.00887	0.1282446	0.22640436	2.6661190	21	11 29.0	19.7
342057 2008 SE_{2}	17.2	X	145.44406	115.93877	252.93864	1.40138	0.1999980	0.26330139	2.4108339	21	2 3.2	20.7
342058 2008 SM_{5}	16.8	X	139.90315	309.66112	55.19502	6.11678	0.2003918	0.26105926	2.4246179	21	1 25.8	20.3
342059 2008 SM_{9}	16.6	X	201.08960	350.57113	351.01694	7.43172	0.1310500	0.27215030	2.3582880	21	2 19.2	20.1
342060 2008 SW_{9}	17.0	X	112.10980	235.18247	185.37709	6.59148	0.1209858	0.26663974	2.3906691	21	2 17.3	19.9
342061 2008 ST_{13}	18.3	X	226.96018	332.00397	320.02775	1.89999	0.1950646	0.27269980	2.3551189	21	1 12.2	22.2
342062 2008 SK_{17}	17.3	X	162.38606	147.89666	190.38873	4.58620	0.0774369	0.26517189	2.3994833	21	—	—
342063 2008 SY_{19}	17.5	X	91.34737	191.69031	310.44383	5.39093	0.1016636	0.28355481	2.2946231	21	5 7.5	20.2
342064 2008 SW_{21}	17.4	X	105.22373	222.76476	154.23471	2.99396	0.2115438	0.25769360	2.4456837	21	—	—
342065 2008 SG_{22}	18.0	X	194.13653	35.64879	245.73122	1.80457	0.1678464	0.26215986	2.4178272	21	—	—
342066 2008 SJ_{22}	17.5	X	315.30563	278.27949	295.84375	2.47038	0.0890739	0.27197488	2.3593019	21	1 12.4	20.5
342067 2008 SD_{24}	17.8	X	41.80115	262.60814	171.16922	1.17477	0.1996261	0.25282191	2.4770014	21	—	—
342068 2008 SL_{24}	18.0	X	109.60803	29.18315	358.51511	1.70310	0.2021645	0.25941422	2.4348574	21	1 16.9	20.6
342069 2008 SE_{26}	17.2	X	277.64020	116.04139	162.64207	6.70367	0.1168987	0.27540353	2.3396796	21	2 15.5	20.3
342070 2008 SK_{29}	17.1	X	350.17762	85.88416	335.65512	3.68737	0.1636739	0.23742810	2.5829419	21	—	—
342071 2008 SU_{29}	16.6	X	113.90115	277.11296	3.79347	14.36681	0.1476606	0.24000628	2.5644111	21	12 10.0	20.9
342072 2008 SM_{31}	16.6	X	83.04686	151.00239	249.68096	6.31267	0.0289095	0.25506364	2.4624666	21	—	—
342073 2008 SN_{32}	17.1	X	216.62134	320.89790	305.75476	5.50016	0.1039600	0.25820207	2.4424718	21	—	—
342074 2008 SX_{33}	17.1	X	220.63705	309.98743	350.06765	6.43553	0.2327644	0.26926656	2.3750956	21	1 18.6	21.2
342075 2008 SY_{33}	17.7	X	126.44937	40.78874	320.10580	2.10359	0.2008664	0.25764519	2.4459901	21	1 4.2	20.8
342076 2008 SG_{34}	17.1	X	89.38753	293.41147	85.96858	1.89882	0.2348226	0.25367764	2.4714278	21	—	—
342077 2008 SH_{36}	16.4	X	218.18731	235.25148	22.45583	8.83917	0.0848587	0.25450306	2.4660812	21	—	—
342078 2008 SY_{36}	17.8	X	50.46124	30.59962	346.92580	4.89525	0.2506241	0.24518771	2.5281544	21	—	—
342079 2008 SG_{37}	17.4	X	83.06047	287.79752	23.07396	3.63626	0.2180587	0.24071107	2.5594030	21	12 25.0	21.5
342080 2008 SA_{40}	17.0	X	104.14358	218.91736	178.42912	7.74878	0.1002597	0.25774211	2.4453768	21	1 4.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342081 2008 SU_{40}	17.4	X	136.93427	342.51114	359.88364	1.85506	0.2322322	0.25880730	2.4386625	21	—	—
342082 2008 SY_{40}	17.4	X	89.73959	22.92675	15.05573	3.10804	0.1966598	0.25646451	2.4534913	21	—	—
342083 2008 SR_{42}	16.6	X	40.43228	173.62076	197.43944	21.93714	0.0202253	0.23884260	2.5727339	21	12 25.6	20.5
342084 2008 ST_{43}	16.9	X	315.42560	98.37528	7.20548	2.70825	0.0467829	0.23933921	2.5691738	21	—	—
342085 2008 SC_{44}	17.0	X	317.10449	252.73933	198.90298	10.97366	0.1651391	0.23423206	2.6063846	21	12 17.9	19.7
342086 2008 SJ_{45}	17.1	X	41.89875	304.59699	22.70009	4.79547	0.1214934	0.23196846	2.6233128	21	11 15.7	20.4
342087 2008 SR_{45}	17.3	X	74.01634	266.02012	184.76275	2.37715	0.0581669	0.26159403	2.4213124	21	1 26.4	19.9
342088 2008 SQ_{46}	17.0	X	341.18724	16.09401	42.44985	3.62112	0.1169172	0.23425660	2.6062025	21	12 14.9	19.7
342089 2008 SK_{48}	17.3	X	14.83599	315.31538	212.21113	2.04036	0.2165384	0.26810887	2.3819278	21	1 22.7	19.2
342090 2008 SE_{53}	17.1	X	330.04233	349.71461	186.85417	1.94821	0.1322319	0.25913788	2.4365881	21	—	—
342091 2008 SO_{53}	16.9	X	335.27121	220.74566	188.17216	13.55342	0.2557285	0.23074005	2.6326153	21	11 28.1	19.1
342092 2008 SL_{54}	18.2	X	70.91303	350.78122	9.86177	4.01560	0.2217652	0.24523791	2.5278093	21	—	—
342093 2008 SL_{55}	17.2	X	136.95010	252.61357	7.87446	3.46811	0.0968084	0.23871082	2.5736806	21	12 7.4	21.1
342094 2008 SD_{56}	16.5	X	110.34664	270.16057	19.78511	11.50977	0.3081814	0.24340811	2.5404619	21	12 26.7	21.3
342095 2008 ST_{57}	16.3	X	136.57140	231.98475	27.72239	15.07600	0.1690208	0.23776934	2.5804700	21	12 4.3	20.7
342096 2008 SZ_{57}	16.7	X	16.32955	4.18075	31.17300	4.69521	0.1528840	0.23700612	2.5860068	21	—	—
342097 2008 SY_{60}	17.4	X	126.49344	139.67068	252.05457	2.20943	0.2051950	0.26213540	2.4179776	21	2 11.7	20.7
342098 2008 SD_{61}	17.5	X	143.01133	356.34707	341.49062	3.07795	0.2084312	0.25833112	2.4416584	21	—	—
342099 2008 SG_{62}	17.4	X	180.95718	148.57325	180.83467	7.04636	0.1437679	0.26696844	2.3887063	21	1 14.0	21.1
342100 2008 SZ_{63}	17.1	X	354.09548	223.69056	195.38178	8.53414	0.1511438	0.23752643	2.5822290	21	—	—
342101 2008 SW_{64}	16.6	X	124.35248	130.51926	188.38770	4.07240	0.1358409	0.17045090	3.2215869	21	—	—
342102 2008 SK_{65}	16.1	X	28.08915	316.12488	19.61490	9.50449	0.2254429	0.23085964	2.6317060	21	11 21.9	19.4
342103 2008 SQ_{65}	17.1	X	40.58467	327.94480	15.13950	2.04269	0.0694293	0.23181918	2.6244389	21	11 27.2	20.5
342104 2008 SS_{66}	17.0	X	8.37120	221.04193	179.26547	13.68920	0.2152323	0.23719413	2.5846402	21	—	—
342105 2008 SA_{68}	17.0	X	70.48779	177.28984	146.66709	4.46152	0.2170905	0.23984376	2.5655694	21	12 28.9	21.0
342106 2008 SG_{68}	16.3	X	321.44729	92.47326	319.41339	11.93501	0.1700518	0.22685348	2.6625989	21	10 20.4	19.3
342107 2008 SF_{70}	16.8	X	114.60444	22.28161	355.85670	6.25011	0.1373503	0.26010471	2.4305463	21	—	—
342108 2008 SL_{74}	16.4	X	44.16485	180.31730	259.29182	6.71207	0.1162440	0.25202165	2.4822422	21	—	—
342109 2008 SA_{80}	17.2	X	348.48494	178.65998	233.33235	2.26924	0.0793116	0.23775354	2.5805843	21	12 16.2	20.1
342110 2008 SB_{87}	17.1	X	77.14126	315.95465	352.53916	14.24374	0.2171248	0.23929381	2.5694988	21	12 15.8	21.4
342111 2008 SJ_{88}	17.3	X	354.74347	48.60709	16.57137	8.91152	0.1089665	0.23909202	2.5709443	21	—	—
342112 2008 SO_{90}	17.1	X	51.15904	80.64787	246.21425	1.93243	0.1884747	0.23560793	2.5962277	21	12 8.3	20.6
342113 2008 SU_{93}	16.8	X	145.29290	52.46207	241.43730	4.32881	0.0541685	0.24592618	2.5230908	21	—	—
342114 2008 SF_{94}	16.9	X	35.82878	237.32291	220.84611	5.77725	0.1058122	0.25376421	2.4708657	21	—	—
342115 2008 SH_{95}	16.2	X	35.62757	335.54248	7.39893	11.65444	0.1967454	0.23411609	2.6072452	21	12 8.5	19.8
342116 2008 SD_{96}	17.8	X	50.16036	117.56342	325.29057	2.56171	0.1642967	0.25311906	2.4750624	21	—	—
342117 2008 SP_{99}	16.7	X	306.58177	74.46583	60.00312	6.33620	0.0987360	0.24138975	2.5546035	21	—	—
342118 2008 SA_{102}	16.4	X	51.22160	317.38909	25.82849	10.67450	0.1847853	0.23601575	2.5932361	21	12 28.6	20.2
342119 2008 SD_{103}	16.3	X	355.18498	209.46736	203.87248	14.45399	0.0850300	0.23490809	2.6013816	21	12 26.7	19.7
342120 2008 SU_{103}	16.6	X	278.56770	178.24655	206.68570	4.28278	0.0861494	0.21379525	2.7699420	21	7 18.4	20.3
342121 2008 SJ_{104}	16.7	X	12.16605	11.60042	23.09797	5.25033	0.1587317	0.23565248	2.5959005	21	—	—
342122 2008 SC_{105}	16.4	X	183.51054	52.71429	208.01891	12.91813	0.1233562	0.24562953	2.5251218	21	—	—
342123 2008 SW_{111}	17.5	X	37.78993	122.63440	23.76186	4.21091	0.1039838	0.27031191	2.3689684	21	2 17.2	19.7
342124 2008 SR_{116}	17.4	X	349.54168	215.20121	216.34475	3.95194	0.0380513	0.23966022	2.5668791	21	—	—
342125 2008 SZ_{116}	16.7	X	190.38580	21.86359	205.59782	14.28472	0.2300769	0.24203231	2.5500801	21	12 12.2	21.1
342126 2008 SQ_{117}	17.5	X	352.72886	16.96126	10.52491	1.58843	0.0817991	0.23119666	2.6291478	21	11 18.0	20.6
342127 2008 SW_{118}	17.5	X	358.31062	256.26774	198.04999	5.39461	0.2203571	0.24207267	2.5497966	21	—	—
342128 2008 SB_{119}	17.3	X	112.90272	98.22030	199.82090	3.53836	0.0902350	0.23976044	2.5661638	21	12 28.9	21.1
342129 2008 SP_{120}	16.9	X	83.13959	128.13624	186.05436	2.84573	0.0696321	0.23591396	2.5939820	21	12 14.4	20.5
342130 2008 SZ_{120}	17.8	X	114.89067	115.52839	210.32411	4.74502	0.1484127	0.24715649	2.5147107	21	—	—
342131 2008 SS_{122}	17.4	X	336.80223	79.89748	349.34155	1.29222	0.0678049	0.23535055	2.5981202	21	12 19.9	20.5
342132 2008 SK_{124}	17.5	X	327.87492	152.40512	297.35857	1.51660	0.1279561	0.23648356	2.5898151	21	—	—
342133 2008 SY_{124}	17.1	X	30.41617	100.64172	210.96033	10.59061	0.1383907	0.22575693	2.6712138	21	10 10.6	20.3
342134 2008 SB_{127}	17.1	X	130.90489	58.32190	216.51155	4.14777	0.1039336	0.23930376	2.5694275	21	12 19.5	21.1
342135 2008 SN_{127}	17.2	X	301.94333	71.88272	32.59365	6.31770	0.2680086	0.22834196	2.6510153	21	11 20.7	19.5
342136 2008 SO_{127}	16.5	X	11.83195	337.66574	59.46460	5.28722	0.1414263	0.23295826	2.6158769	21	—	—
342137 2008 SX_{127}	16.4	X	41.04338	85.97105	217.27360	11.53834	0.2627788	0.22908300	2.6452952	21	11 5.7	19.6
342138 2008 SY_{127}	16.0	X	248.51029	183.44086	16.73596	15.40905	0.0507953	0.24452777	2.5327010	21	—	—
342139 2008 SO_{128}	17.1	X	86.06901	353.51849	0.56554	5.02789	0.1625465	0.24524470	2.5277626	21	—	—
342140 2008 SH_{129}	16.7	X	280.90635	131.93730	357.62458	3.85611	0.1172574	0.23361179	2.6109960	21	12 8.8	19.8
342141 2008 SN_{129}	17.0	X	267.64165	117.65453	325.42464	2.53415	0.0282141	0.22270065	2.6955976	21	9 29.3	20.6
342142 2008 SP_{129}	16.9	X	354.44391	160.72001	246.51513	3.15241	0.1081859	0.23388395	2.6089701	21	12 20.9	19.9
342143 2008 SQ_{129}	17.1	X	61.16607	28.84054	320.92606	2.25710	0.1873149	0.23939865	2.5687485	21	—	—
342144 2008 SE_{130}	16.4	X	30.46223	178.54361	207.39441	15.29688	0.2514160	0.23813518	2.5778264	21	—	—
342145 2008 SQ_{131}	16.8	X	122.68662	327.67216	11.46267	6.29498	0.0061932	0.24760715	2.5116585	21	—	—
342146 2008 SV_{131}	17.9	X	58.59418	76.97298	12.98523	6.73286	0.1448957	0.25481948	2.4640393	21	1 9.7	20.3
342147 2008 SM_{132}	16.5	X	307.86502	254.87655	212.14076	12.57531	0.1321671	0.23436450	2.6054025	21	12 22.3	19.4
342148 2008 SX_{138}	17.2	X	81.78933	213.93047	108.65842	3.99507	0.1812459	0.23917634	2.5703400	21	—	—
342149 2008 SN_{139}	17.1	X	197.66000	290.42284	24.11194	4.72951	0.1961866	0.26737636	2.3862762	21	1 16.5	20.9
342150 2008 SW_{139}	17.5	X	186.12811	129.09055	205.15453	6.59652	0.1376982	0.26622502	2.3931512	21	1 24.2	21.3
342151 2008 SO_{142}	17.1	X	20.28417	159.85973	187.14728	4.31252	0.1682182	0.22944125	2.6425409	21	11 18.9	20.1
342152 2008 SR_{142}	16.8	X	64.23034	86.95538	204.64637	12.67644	0.1823936	0.22840410	2.6505344	21	11 8.2	20.5
342153 2008 SS_{142}	16.9	X	33.27838	216.04817	123.45133	1.89989	0.0749665	0.22909005	2.6452409	21	11 13.9	20.1
342154 2008 SD_{143}	17.2	X	153.24852	285.97040	54.62606	4.82672	0.1580062	0.25656367	2.4528591	21	1 4.1	20.7
342155 2008 ST_{143}	16.9	X	58.09883	247.34047	50.43556	4.72490	0.2568022	0.23009309	2.6375478	21	11 17.8	20.7
342156 2008 SZ_{143}	16.8	X	322.12380	246.19535	200.87932	12.92398	0.1618659	0.23255683	2.6188863	21	12 20.5	19.7
342157 2008 SD_{144}	15.9	X	51.38505	220.41304	122.91468	9.45525	0.1735321	0.23311160	2.6147296	21	12 26.8	19.6
342158 2008 SX_{147}	16.5	X	41.05582	294.33772	93.01372	10.02774	0.1695521	0.24059055	2.5602576	21	—	—
342159 2008 SC_{149}	16.8	X	37.39091	147.06777	196.12692	7.35024	0.1502809	0.23509307	2.6000168	21	12 6.9	20.2
342160 2008 SZ_{149}	17.5	X	104.83789	31.80496	1.89267	4.92908	0.1537751	0.25767567	2.4457972	21	1 11.2	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342161 2008 SR_{152}	17.9	X	167.03770	325.66925	358.08444	2.44707	0.2082219	0.26269180	2.4145620	21	1 1.3	21.6
342162 2008 SU_{154}	17.5	X	13.18394	251.56767	122.16093	2.38454	0.2246507	0.23538925	2.5978354	21	12 23.2	20.2
342163 2008 SO_{156}	16.8	X	60.26912	175.74247	185.12936	14.25133	0.3303919	0.24157354	2.5533076	21	—	—
342164 2008 SG_{159}	17.6	X	138.23472	65.82096	281.68687	1.58794	0.1991498	0.25818377	2.4425873	21	—	—
342165 2008 SC_{161}	16.9	X	309.75457	271.06366	184.60719	14.75836	0.1503494	0.23643550	2.5901660	21	12 11.3	19.9
342166 2008 SX_{162}	16.9	X	99.91262	5.54236	39.04452	2.96800	0.2027204	0.25803076	2.4435528	21	1 26.4	19.5
342167 2008 SB_{165}	17.0	X	18.61462	192.76637	190.72995	12.03824	0.1763017	0.23665116	2.5885921	21	—	—
342168 2008 SC_{165}	16.2	X	62.26011	277.40555	19.79129	26.78449	0.2359215	0.23348017	2.6119772	21	11 10.1	20.4
342169 2008 SL_{165}	17.6	X	99.53732	37.18237	8.92453	5.40216	0.1282927	0.25964504	2.4334141	21	1 15.9	20.4
342170 2008 SE_{177}	16.7	X	38.95878	178.89123	173.70924	10.85461	0.1502230	0.23596866	2.5935811	21	12 20.8	20.3
342171 2008 SB_{178}	17.1	X	21.34620	330.83879	54.28394	2.92277	0.0799807	0.23617432	2.5920752	21	12 28.6	20.4
342172 2008 SL_{180}	17.3	X	45.54207	289.88772	24.09803	5.89763	0.1383210	0.23013650	2.6372161	21	11 5.5	20.6
342173 2008 SM_{180}	17.4	X	19.70170	235.35068	197.78643	11.95924	0.2086437	0.24361717	2.5390083	21	—	—
342174 2008 SB_{182}	16.3	X	0.95633	342.88990	34.47950	12.57269	0.1963895	0.23036697	2.6354568	21	11 28.3	19.1
342175 2008 SK_{182}	17.2	X	131.02321	231.87175	33.49895	12.59697	0.1994433	0.23863628	2.5742165	21	12 7.9	21.7
342176 2008 SW_{182}	17.5	X	77.70323	294.61909	54.88772	4.44877	0.1042617	0.24110289	2.5566293	21	—	—
342177 2008 SE_{183}	17.3	X	31.20864	132.68385	202.06930	14.36695	0.1483662	0.22903788	2.6456426	21	11 16.5	20.6
342178 2008 SJ_{184}	17.2	X	53.63845	349.12085	37.00640	4.99114	0.2118249	0.24057404	2.5603748	21	—	—
342179 2008 SF_{185}	16.7	X	86.62624	26.84354	284.11339	4.71056	0.3235313	0.24182061	2.5515682	21	—	—
342180 2008 SL_{185}	16.5	X	336.91204	64.17964	349.79075	9.31242	0.1137366	0.23142469	2.6274206	21	11 28.0	19.6
342181 2008 SW_{185}	16.9	X	286.89574	200.79341	295.32628	7.01941	0.2131374	0.23848746	2.5752873	21	12 17.5	19.4
342182 2008 SZ_{186}	17.2	X	109.15330	36.47549	282.06810	3.01854	0.0826429	0.24398938	2.5364254	21	—	—
342183 2008 SX_{190}	16.7	X	83.36902	346.05441	349.60062	9.57749	0.1060262	0.24403366	2.5361186	21	—	—
342184 2008 SO_{192}	16.8	X	336.55828	270.51851	110.83155	3.81395	0.0694687	0.22578645	2.6709810	21	10 16.2	19.9
342185 2008 SD_{195}	16.9	X	117.76215	95.33757	197.10437	4.77230	0.0961631	0.23848972	2.5752710	21	12 27.1	20.8
342186 2008 SN_{196}	17.2	X	346.35994	172.48169	199.83558	5.52186	0.0420997	0.22461129	2.6802892	21	10 16.3	20.4
342187 2008 SM_{198}	17.2	X	286.50037	35.02563	94.29957	3.65442	0.1364256	0.23327235	2.6135283	21	12 15.7	20.0
342188 2008 SH_{201}	17.0	X	296.88847	199.97187	218.31980	5.86445	0.0356741	0.22434497	2.6824100	21	10 5.5	20.4
342189 2008 SR_{201}	16.7	X	28.63689	340.05342	13.82190	6.49284	0.2990284	0.23467089	2.6031342	21	12 31.5	20.2
342190 2008 SV_{202}	17.7	X	108.80757	306.46623	23.67762	1.48077	0.2079691	0.24664156	2.5182096	21	—	—
342191 2008 SX_{203}	17.4	X	114.78796	249.96698	46.56930	12.32599	0.1864235	0.24075541	2.5590887	21	—	—
342192 2008 SL_{204}	17.9	X	331.25437	225.92798	186.86305	8.26087	0.2028504	0.22843854	2.6502680	21	11 20.9	20.3
342193 2008 SQ_{205}	17.0	X	319.04392	276.03705	171.59617	6.31214	0.1806852	0.23184226	2.6242647	21	12 15.6	19.5
342194 2008 SO_{208}	16.4	X	216.33680	262.88312	218.80054	12.11307	0.1716547	0.21166831	2.7884668	21	8 26.2	21.0
342195 2008 SV_{208}	17.2	X	26.68448	298.74888	80.40707	3.33832	0.2235181	0.23399401	2.6081520	21	—	—
342196 2008 SK_{211}	16.8	X	56.29787	130.99368	208.67355	13.26375	0.1822937	0.23758015	2.5818398	21	12 28.2	20.8
342197 2008 SE_{212}	16.4	X	259.75343	281.10774	297.65297	11.05263	0.0532200	0.25678435	2.4514536	21	—	—
342198 2008 SM_{213}	17.8	X	207.55343	73.24962	213.37092	2.57606	0.1690094	0.26271215	2.4144374	21	—	—
342199 2008 SY_{216}	16.6	X	134.90484	312.19205	311.06998	6.74679	0.1410222	0.24138569	2.5546321	21	12 9.8	20.8
342200 2008 SG_{218}	16.4	X	107.06278	0.26341	332.08475	9.12476	0.2253442	0.24607890	2.5220468	21	—	—
342201 2008 SW_{218}	16.9	X	99.08287	343.61229	337.92829	5.32948	0.0758896	0.24468069	2.5316457	21	—	—
342202 2008 SE_{220}	17.9	X	111.29565	137.35584	247.86344	1.52115	0.1817356	0.25777090	2.4451948	21	1 12.4	20.7
342203 2008 SS_{220}	17.6	X	133.77259	145.01673	206.32388	2.13676	0.2008880	0.26004217	2.4309360	21	—	—
342204 2008 SZ_{223}	17.6	X	3.92749	348.78355	99.18222	2.72129	0.2056431	0.24528921	2.5274568	21	—	—
342205 2008 ST_{225}	17.6	X	113.16557	172.20189	111.94765	0.61772	0.1497879	0.23819125	2.5774219	21	12 15.2	21.6
342206 2008 ST_{230}	16.6	X	193.32517	299.44662	205.49738	10.49937	0.0544702	0.22443304	2.6817082	21	9 11.6	20.6
342207 2008 SX_{230}	17.5	X	275.07717	11.74107	248.13764	3.93804	0.1283551	0.27075281	2.3663959	21	1 19.1	20.9
342208 2008 SK_{236}	17.3	X	321.98078	149.79983	303.03481	2.04466	0.0965774	0.23686618	2.5870253	21	12 29.7	20.2
342209 2008 SL_{239}	17.3	X	89.94493	96.07437	165.69450	5.28284	0.1756410	0.23270420	2.6177805	21	10 29.7	21.3
342210 2008 SD_{240}	17.2	X	70.22092	290.00426	47.74501	10.88932	0.1220739	0.23922413	2.5699977	21	—	—
342211 2008 SG_{240}	16.8	X	327.13854	296.10893	121.66565	4.14200	0.0947852	0.23076732	2.6324079	21	11 19.9	19.8
342212 2008 ST_{243}	16.4	X	51.14863	54.38304	278.69360	7.68354	0.1069870	0.23511710	2.5998397	21	12 4.3	19.8
342213 2008 SD_{244}	17.0	X	208.43703	278.44330	345.04405	6.13859	0.0906891	0.25582433	2.4575828	21	—	—
342214 2008 SG_{246}	17.0	X	212.12318	353.97222	318.00138	5.46181	0.1477288	0.26848984	2.3796741	21	1 23.9	20.7
342215 2008 SV_{246}	15.8	X	36.46676	311.18569	87.90092	22.75844	0.0535363	0.24198302	2.5504263	21	—	—
342216 2008 SE_{248}	16.9	X	315.03688	279.01246	201.26330	9.71015	0.0830170	0.24125161	2.5555785	21	—	—
342217 2008 SS_{248}	16.5	X	332.01715	58.74708	354.17554	6.65026	0.3192130	0.22904174	2.6456128	21	11 22.3	17.9
342218 2008 SR_{249}	16.9	X	121.14098	12.24777	262.28715	4.74023	0.2036048	0.24264216	2.5458054	21	12 13.2	21.0
342219 2008 SW_{253}	16.7	X	190.67258	161.69350	69.64763	4.84879	0.0723291	0.24245811	2.5470936	21	12 30.9	20.4
342220 2008 SQ_{258}	16.6	X	8.01005	191.78383	254.23379	12.00844	0.2328270	0.24421286	2.5348778	21	—	—
342221 2008 SF_{260}	17.1	X	92.39647	95.80567	167.21945	11.50311	0.2343953	0.23240969	2.6199916	21	11 9.2	21.5
342222 2008 SH_{260}	16.8	X	208.95970	35.79150	114.33909	5.84690	0.0968883	0.22569162	2.6717291	21	10 8.4	20.7
342223 2008 SK_{262}	17.8	X	88.91180	267.93678	86.79709	2.26894	0.0847955	0.24688938	2.5165242	21	—	—
342224 2008 SX_{262}	17.4	X	71.66287	219.30233	114.74672	0.54360	0.1444355	0.23960691	2.5672598	21	—	—
342225 2008 SN_{265}	16.6	X	86.55704	27.30151	242.35976	7.81681	0.1149950	0.22548728	2.6733430	21	10 25.4	20.4
342226 2008 SE_{266}	16.8	X	52.77980	174.97002	193.72009	15.60405	0.2737254	0.23976816	2.5661086	21	—	—
342227 2008 SW_{266}	16.4	X	21.28770	59.84244	289.60262	10.30668	0.2043545	0.23069950	2.6329237	21	11 27.8	19.6
342228 2008 SB_{267}	17.1	X	55.82457	107.27914	209.54203	11.97260	0.1876059	0.23300752	2.6155082	21	12 1.2	20.9
342229 2008 SO_{267}	16.9	X	243.76212	136.61697	326.37461	5.16623	0.0406038	0.22237718	2.6982110	21	9 21.4	20.7
342230 2008 SO_{268}	16.2	X	46.23302	229.47525	123.30931	15.93099	0.1977595	0.23649832	2.5897073	21	—	—
342231 2008 SP_{268}	16.4	X	44.62696	266.04849	54.22629	13.16791	0.2016928	0.22789747	2.6544612	21	11 21.9	20.0
342232 2008 SC_{269}	16.4	X	63.54635	16.40355	303.60970	8.65736	0.1894639	0.23495343	2.6010469	21	12 13.5	20.2
342233 2008 SW_{269}	16.0	X	113.28215	39.07692	257.63800	14.69656	0.0484669	0.24071006	2.5594102	21	12 25.2	19.6
342234 2008 SR_{270}	17.1	X	118.66466	309.76231	48.39232	7.61925	0.1311511	0.25351393	2.4724916	21	—	—
342235 2008 SE_{272}	16.5	X	43.06014	262.68576	92.78606	13.55880	0.1766686	0.23650896	2.5896296	21	—	—
342236 2008 SU_{272}	16.2	X	330.35586	302.43555	51.05484	5.88442	0.0120063	0.21289875	2.7777126	21	8 31.5	20.0
342237 2008 SZ_{272}	16.9	X	348.19557	331.62388	345.78795	3.01260	0.1928939	0.21674371	2.7447642	21	8 1.5	19.4
342238 2008 SA_{273}	17.2	X	108.22676	310.27328	338.82406	3.11358	0.2315321	0.23782671	2.5800550	21	12 20.5	21.7
342239 2008 SU_{274}	17.6	X	163.98507	27.07677	308.56093	0.87501	0.1933007	0.26431802	2.4046481	21	1 11.1	21.1
342240 2008 SB_{275}	16.7	X	274.35906	158.08768	64.34451	4.31951	0.0955206	0.25769215	2.4456929	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
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342241 2008 SR_{276}	17.5	X	334.84359	210.60495	197.69861	2.14841	0.1549314	0.23167972	2.6254920	21	11 20.6	20.1
342242 2008 SF_{279}	16.6	X	195.42215	200.85034	35.00207	9.49229	0.0835088	0.24215800	2.5491976	21	—	—
342243 2008 SA_{282}	16.3	X	284.61497	213.19959	225.08624	10.61701	0.1541931	0.22354112	2.6888367	21	9 25.8	19.7
342244 2008 SU_{282}	16.9	X	301.51750	54.72846	343.55275	4.92819	0.0771704	0.22079152	2.7111141	21	9 10.9	20.3
342245 2008 SC_{283}	15.8	X	359.15569	50.11501	315.72412	13.18214	0.0283887	0.22740926	2.6582589	21	10 18.2	19.6
342246 2008 SE_{283}	16.3	X	91.85989	97.41602	266.87762	12.94440	0.0607969	0.24651779	2.5190524	21	—	—
342247 2008 ST_{284}	16.3	X	49.58384	315.02411	2.17504	8.60088	0.1312492	0.23000000	2.6382594	21	11 12.1	19.8
342248 2008 SC_{285}	17.4	X	94.23314	334.15407	307.21730	2.30255	0.0733451	0.22934064	2.6433136	21	11 14.4	21.1
342249 2008 SU_{285}	16.9	X	128.09564	266.98041	37.26542	13.68941	0.2206503	0.24715082	2.5147492	21	—	—
342250 2008 SQ_{286}	16.4	X	288.76741	251.76487	212.25825	21.67331	0.0730393	0.22927314	2.6438325	21	11 22.1	19.8
342251 2008 SU_{286}	16.3	X	50.79200	57.23689	288.46463	10.74477	0.1462108	0.23882145	2.5728857	21	12 26.8	19.8
342252 2008 SV_{288}	17.3	X	11.27870	351.13988	166.12681	1.66684	0.1140892	0.26026673	2.4295375	21	1 16.3	19.6
342253 2008 SR_{289}	17.2	X	90.36581	159.96265	158.40840	3.95506	0.1937234	0.24025569	2.5626360	21	—	—
342254 2008 SZ_{295}	16.1	X	300.94237	327.30268	92.63114	14.43641	0.1532647	0.22638361	2.6662819	21	10 10.2	19.4
342255 2008 SL_{296}	16.9	X	72.14484	217.77927	114.87957	5.69286	0.1911695	0.24122678	2.5557539	21	—	—
342256 2008 SK_{298}	16.9	X	19.49879	54.66852	356.53842	10.21662	0.1345093	0.24133752	2.5549720	21	—	—
342257 2008 SW_{298}	17.3	X	185.48497	295.98447	7.81727	7.84536	0.2242828	0.26367660	2.4085462	21	—	—
342258 2008 SN_{300}	16.3	X	83.65785	289.08162	351.40425	11.75278	0.0773398	0.23249789	2.6193290	21	10 28.9	20.1
342259 2008 SB_{301}	17.4	X	9.65545	87.70405	280.54426	5.13448	0.2113641	0.23228795	2.6209069	21	12 6.6	20.1
342260 2008 SP_{301}	17.2	X	304.50312	131.70325	305.19804	3.83115	0.1758882	0.22897863	2.6460989	21	10 27.8	19.9
342261 2008 SX_{302}	15.9	X	322.32852	85.66383	276.70430	13.01521	0.0842680	0.22233218	2.6985751	21	8 18.1	19.4
342262 2008 SS_{305}	17.4	X	210.02263	174.23608	136.79692	1.73427	0.2368591	0.26924134	2.3752440	21	1 22.1	21.5
342263 2008 SP_{306}	16.8	X	67.82130	8.57279	23.89867	16.06740	0.1337408	0.24599541	2.5226173	21	—	—
342264 2008 SP_{307}	16.8	X	317.15922	245.14846	185.45290	10.35135	0.1801204	0.23039609	2.6352348	21	11 17.6	19.4
342265 2008 SG_{308}	16.7	X	23.12353	168.70779	176.85183	6.32250	0.0602437	0.22389800	2.6859788	21	11 5.7	20.1
342266 2008 SS_{309}	16.6	X	21.76886	118.77836	256.85176	1.92210	0.2177939	0.23351640	2.6117070	21	—	—
342267 2008 ST_{309}	16.9	X	339.13594	274.51626	169.30228	3.98175	0.1763305	0.23380356	2.6095681	21	—	—
342268 2008 SV_{309}	16.9	X	341.47349	220.49996	138.51245	3.79313	0.1024171	0.21958599	2.7210277	21	9 21.4	20.0
342269 2008 SX_{309}	16.4	X	29.10234	265.96334	101.93815	5.49075	0.1370095	0.23135314	2.6279623	21	12 24.2	19.6
342270 2008 SC_{310}	16.7	X	47.16969	83.52274	300.94840	4.24157	0.2460133	0.23779292	2.5802994	21	—	—
342271 2008 TJ_{5}	18.3	X	60.78905	3.54203	12.12563	10.26193	0.2243796	0.24511963	2.5286224	21	—	—
342272 2008 TN_{6}	16.7	X	51.38917	200.56749	191.52156	11.09049	0.1434811	0.24306461	2.5428548	21	—	—
342273 2008 TY_{6}	16.1	X	260.33788	197.75769	8.26174	6.14281	0.0929098	0.25340629	2.4731917	21	—	—
342274 2008 TZ_{7}	16.7	X	319.37491	281.68927	173.61913	6.04307	0.1428064	0.23732848	2.5836647	21	12 28.7	19.4
342275 2008 TZ_{8}	16.7	X	48.24123	210.75492	132.26252	5.70932	0.2613312	0.23704168	2.5857482	21	—	—
342276 2008 TW_{9}	17.2	X	126.40297	315.12185	28.76890	9.97936	0.3049465	0.25690026	2.4507162	21	—	—
342277 2008 TE_{10}	17.4	X	180.96653	297.86924	0.70840	8.21326	0.2613567	0.26030751	2.4292838	21	—	—
342278 2008 TN_{14}	16.7	X	254.69411	1.66057	204.46803	5.85982	0.1073850	0.25228231	2.4805321	21	—	—
342279 2008 TF_{17}	17.2	X	25.59311	93.57943	234.34585	2.82321	0.1135289	0.22561960	2.6722977	21	10 22.1	20.5
342280 2008 TO_{19}	16.6	X	219.86791	139.50327	38.06174	14.04512	0.1855813	0.22880264	2.6474556	21	11 10.1	20.7
342281 2008 TV_{19}	17.3	X	61.29332	134.43999	210.75458	8.90163	0.2206026	0.23844831	2.5755692	21	—	—
342282 2008 TO_{21}	17.3	X	62.09933	151.79247	212.55527	3.03139	0.1394248	0.24067656	2.5596476	21	—	—
342283 2008 TS_{21}	17.3	X	125.28284	67.16880	223.46663	2.91207	0.1254529	0.23985027	2.5655230	21	—	—
342284 2008 TN_{22}	16.8	X	262.67481	264.47268	171.70126	8.50818	0.2405712	0.21369324	2.7708234	21	8 11.9	21.0
342285 2008 TV_{22}	16.9	X	356.02950	302.14766	44.90642	6.05892	0.0837610	0.22085510	2.7105937	21	9 30.2	20.1
342286 2008 TT_{23}	17.9	X	154.98415	107.90082	191.98117	2.14587	0.1963362	0.25581294	2.4576557	21	—	—
342287 2008 TX_{24}	17.3	X	134.72926	111.39179	153.18176	5.98354	0.1896686	0.24251024	2.5467286	21	12 12.8	21.6
342288 2008 TT_{25}	15.6	X	67.85509	309.66159	41.95023	8.33899	0.2222968	0.23809258	2.5781339	21	—	—
342289 2008 TH_{27}	17.0	X	354.31777	185.89328	236.24141	10.20850	0.1338646	0.23868302	2.5738804	21	—	—
342290 2008 TS_{32}	16.6	X	324.99670	188.90387	161.59731	3.32847	0.0991320	0.21840383	2.7308376	21	8 9.8	19.8
342291 2008 TL_{33}	17.4	X	52.67237	142.57549	176.23761	5.18269	0.2900492	0.23556015	2.5965788	21	12 13.4	21.2
342292 2008 TR_{33}	17.0	X	189.70726	78.41718	132.54340	2.33051	0.1040222	0.23538639	2.5978565	21	11 30.7	20.9
342293 2008 TZ_{35}	16.8	X	316.70314	313.12222	208.06029	5.83057	0.0916812	0.25402248	2.4691906	21	—	—
342294 2008 TP_{38}	16.1	X	284.04224	84.36084	18.66725	18.31371	0.1747172	0.22777708	2.6553964	21	10 26.1	19.2
342295 2008 TX_{44}	16.8	X	43.13197	324.10434	28.54637	5.14328	0.2863815	0.23675696	2.5878209	21	—	—
342296 2008 TK_{45}	16.8	X	80.06146	273.66953	29.17899	7.72319	0.1935767	0.23458266	2.6037869	21	12 8.5	20.9
342297 2008 TL_{46}	15.9	X	258.15838	117.20149	40.88583	31.25861	0.2627608	0.23095564	2.6309767	21	11 14.7	19.5
342298 2008 TU_{47}	16.7	X	331.10374	272.29733	164.34140	5.16117	0.2246678	0.23213161	2.6220835	21	12 27.4	18.9
342299 2008 TC_{48}	16.3	X	317.54812	328.72423	49.13593	15.44511	0.1222293	0.22013785	2.7164782	21	9 13.4	19.7
342300 2008 TD_{50}	17.6	X	343.45333	210.86542	192.08231	2.90239	0.0709967	0.23332901	2.6131052	21	11 25.2	20.6
342301 2008 TC_{53}	16.9	X	328.96527	209.31925	186.33201	8.12555	0.0907230	0.22845465	2.6501434	21	10 22.9	20.0
342302 2008 TL_{53}	17.8	X	12.83031	66.03559	358.04739	4.26922	0.2362964	0.24536752	2.5269191	21	—	—
342303 2008 TQ_{54}	17.2	X	156.11032	135.07905	207.19382	7.77696	0.0543802	0.25821821	2.4423701	21	—	—
342304 2008 TU_{55}	17.3	X	175.97687	273.86517	22.05343	9.22941	0.2764699	0.25812003	2.4429894	21	—	—
342305 2008 TM_{60}	17.3	X	211.68062	77.22237	177.67890	6.97097	0.0854329	0.25275113	2.4774638	21	—	—
342306 2008 TN_{61}	17.3	X	353.91850	253.00592	209.26196	4.35425	0.1456380	0.24453991	2.5326172	21	—	—
342307 2008 TX_{64}	16.9	X	27.59156	220.25297	255.69493	6.20330	0.1233986	0.25701256	2.4500023	21	—	—
342308 2008 TG_{65}	16.6	X	81.33214	288.88713	358.21847	11.51599	0.1791877	0.23733930	2.5835861	21	11 16.9	20.7
342309 2008 TZ_{65}	17.9	X	79.09969	85.96495	322.62334	1.78700	0.1990050	0.25357229	2.4721123	21	—	—
342310 2008 TO_{66}	17.3	X	50.60036	303.42860	52.95149	4.95203	0.1460678	0.23806027	2.5783672	21	—	—
342311 2008 TQ_{66}	17.0	X	144.55290	68.28367	198.08100	9.27242	0.1405715	0.23981667	2.5657626	21	12 22.2	21.2
342312 2008 TT_{67}	17.6	X	352.68267	344.10185	110.89926	2.75140	0.1271706	0.24191083	2.5509337	21	—	—
342313 2008 TF_{69}	16.5	X	15.38474	243.70199	38.85471	13.65489	0.1981743	0.21734988	2.7396586	21	8 17.8	19.5
342314 2008 TU_{70}	16.6	X	189.53139	99.81108	79.32367	4.82213	0.0421944	0.22689843	2.6622473	21	10 26.7	20.3
342315 2008 TS_{71}	16.3	X	4.45643	302.87112	61.91831	5.50932	0.2633514	0.23015117	2.6371040	21	11 29.9	18.8
342316 2008 TF_{72}	16.9	X	105.17514	264.81331	47.08810	16.00016	0.0645874	0.23918203	2.5702992	21	—	—
342317 2008 TL_{74}	17.3	X	235.82405	222.64365	251.35714	2.44374	0.1030181	0.21940472	2.7225262	21	9 17.4	21.2
342318 2008 TQ_{77}	18.1	X	166.47087	114.78474	179.81489	4.10471	0.1337677	0.25391015	2.4699188	21	—	—
342319 2008 TS_{79}	16.6	X	319.20682	63.47110	36.14165	13.58462	0.1890241	0.23335236	2.6129309	21	—	—
342320 2008 TD_{80}	17.4	X	168.88256	281.55166	45.46954	3.17569	0.1861736	0.26098067	2.4251047	21	1 5.4	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342321 2008 TJ_{83}	17.3	X	116.81241	78.69844	221.00342	5.76915	0.0972448	0.24303623	2.5430528	21	—	—
342322 2008 TJ_{84}	16.5	X	279.13238	266.83781	198.08647	9.82132	0.1291518	0.23034858	2.6355971	21	11 2.1	19.6
342323 2008 TL_{89}	16.8	X	138.76059	67.22346	210.06764	1.50339	0.1031792	0.24042197	2.5614543	21	12 30.3	20.7
342324 2008 TK_{92}	17.9	X	175.49849	130.76167	173.92293	3.40732	0.1890408	0.25911929	2.4367046	21	—	—
342325 2008 TQ_{94}	17.4	X	191.16116	252.73066	115.58815	4.83227	0.2805897	0.27088441	2.3656294	21	3 20.4	21.6
342326 2008 TT_{102}	16.8	X	31.14820	186.22153	198.71792	8.50915	0.1647507	0.23940340	2.5687145	21	—	—
342327 2008 TQ_{104}	17.3	X	88.80793	45.80982	225.25353	3.14143	0.0203067	0.22714981	2.6602828	21	10 19.2	20.9
342328 2008 TL_{105}	18.0	X	71.85152	143.99216	291.07764	0.41695	0.1659436	0.25537780	2.4604466	21	1 14.1	20.3
342329 2008 TS_{105}	17.5	X	177.85931	121.57121	218.34067	3.68902	0.0739460	0.26231195	2.4168925	21	1 19.1	20.8
342330 2008 TC_{111}	16.6	X	51.02199	145.35373	206.91897	31.45493	0.1908488	0.23833293	2.5764003	21	—	—
342331 2008 TJ_{111}	16.8	X	14.51956	79.25781	335.93318	3.52505	0.1943178	0.23934405	2.5691391	21	—	—
342332 2008 TL_{111}	15.8	X	338.76741	176.23982	223.13376	11.09643	0.1755837	0.22928029	2.6437775	21	11 15.8	18.1
342333 2008 TL_{114}	16.2	X	341.94668	119.77305	62.83908	7.28657	0.0787832	0.26010056	2.4305722	21	1 11.8	19.2
342334 2008 TN_{114}	16.7	X	66.99484	148.50482	177.44197	5.63633	0.2658870	0.23850588	2.5751547	21	—	—
342335 2008 TV_{117}	16.5	X	30.59446	339.38161	45.55062	13.43274	0.1798889	0.23698125	2.5861878	21	—	—
342336 2008 TJ_{119}	17.0	X	282.60421	171.38669	226.89880	1.57267	0.0859865	0.21984353	2.7189022	21	8 11.9	20.6
342337 2008 TS_{119}	17.6	X	55.10668	79.98005	4.61554	2.50383	0.1714378	0.25491120	2.4634482	21	—	—
342338 2008 TE_{121}	16.2	X	332.36608	318.87186	105.54138	6.98836	0.1937372	0.23223473	2.6213073	21	12 10.9	18.6
342339 2008 TN_{122}	17.3	X	101.24141	227.19334	105.37918	0.78031	0.0196128	0.24180774	2.5516587	21	—	—
342340 2008 TH_{126}	16.2	X	72.37677	291.69108	359.54752	11.86984	0.1921299	0.23380967	2.6095226	21	11 13.5	20.2
342341 2008 TD_{129}	16.5	X	296.53838	111.35572	350.30348	11.42639	0.0990610	0.23413474	2.6071068	21	11 25.3	19.8
342342 2008 TM_{132}	16.2	X	266.72215	144.41064	8.04385	11.47059	0.1601910	0.23595550	2.5936775	21	12 10.6	19.6
342343 2008 TV_{137}	17.0	X	47.07513	237.27181	173.71622	2.98756	0.2449357	0.24293416	2.5437650	21	—	—
342344 2008 TD_{157}	16.5	X	36.47598	276.39264	15.43630	11.47479	0.1868342	0.22461656	2.6802473	21	10 2.5	19.7
342345 2008 TZ_{157}	15.8	X	50.90982	304.17430	351.54203	14.30688	0.1079382	0.22503325	2.6769376	21	10 10.5	19.5
342346 2008 TT_{158}	17.3	X	343.44684	88.23581	293.48635	2.15308	0.1325687	0.23012769	2.6372834	21	10 27.3	20.0
342347 2008 TS_{160}	16.5	X	218.70812	354.94780	206.82728	14.22329	0.0170979	0.24013348	2.5635054	21	—	—
342348 2008 TN_{162}	17.2	X	46.38455	217.99009	155.46860	4.89187	0.1752887	0.24113344	2.5564134	21	—	—
342349 2008 TD_{166}	16.8	X	146.23452	176.08250	90.96643	3.63707	0.0781603	0.23660095	2.5889583	21	12 25.1	20.5
342350 2008 TL_{168}	17.0	X	343.00710	274.88943	133.09478	2.79747	0.0945641	0.22790611	2.6543941	21	12 1.3	20.1
342351 2008 TF_{169}	16.5	X	46.78687	183.13100	187.34812	14.39900	0.1080736	0.23711971	2.5851809	21	—	—
342352 2008 TZ_{169}	17.5	X	82.50427	81.12825	225.52313	9.90873	0.2429841	0.23816542	2.5776082	21	12 20.7	21.8
342353 2008 TG_{170}	16.0	X	322.08138	0.13362	92.45599	13.16863	0.1516353	0.23381504	2.6094827	21	12 29.2	18.6
342354 2008 TU_{170}	16.5	X	141.43787	203.07699	56.33807	10.18779	0.1289937	0.23164221	2.6257754	21	12 9.3	20.7
342355 2008 TD_{177}	17.0	X	62.14206	208.89908	185.74339	16.62907	0.2493646	0.24496349	2.5296968	21	—	—
342356 2008 TB_{178}	16.2	X	13.33069	17.38240	299.97963	12.69358	0.1637457	0.22474234	2.6792472	21	9 15.9	19.3
342357 2008 TY_{180}	15.8	X	88.70478	225.02627	157.92188	5.73694	0.1517401	0.17320792	3.1873094	21	—	—
342358 2008 TW_{181}	17.6	X	80.68168	153.62674	160.47208	2.61277	0.0887607	0.23590450	2.5940514	21	12 13.6	21.2
342359 2008 TB_{182}	16.2	X	346.62329	293.06866	91.80821	12.76775	0.0497296	0.22995969	2.6385677	21	11 8.4	19.6
342360 2008 TF_{182}	16.1	X	20.73507	299.31125	115.56541	14.11699	0.1560763	0.23927112	2.5696612	21	—	—
342361 2008 TW_{183}	17.1	X	59.01921	292.91477	42.44843	2.48121	0.0788871	0.23231769	2.6206833	21	12 12.5	20.5
342362 2008 TH_{185}	15.7	X	334.49552	97.18182	260.12832	15.64010	0.0881551	0.22057977	2.7128488	21	8 27.8	19.3
342363 2008 TK_{185}	17.1	X	305.94506	100.92096	94.84000	4.06789	0.1247472	0.25239320	2.4798055	21	—	—
342364 2008 TR_{185}	16.8	X	82.08044	249.20166	62.25305	13.45698	0.2120983	0.23519727	2.5992489	21	12 22.7	21.0
342365 2008 TX_{187}	17.0	X	88.94464	174.98469	259.78408	5.82744	0.0990317	0.26085031	2.4259126	21	1 30.9	19.8
342366 2008 TZ_{188}	16.4	X	295.70981	79.98805	274.08839	5.97390	0.0892577	0.21162567	2.7888414	21	7 1.1	20.0
342367 2008 TK_{189}	15.9	X	99.64925	228.79899	68.98882	13.10773	0.1930401	0.23469107	2.6029850	21	12 20.6	20.2
342368 2008 UJ_{2}	16.9	X	107.72019	349.03440	301.72081	5.15756	0.1988952	0.23706577	2.5855731	21	12 20.5	21.2
342369 2008 UF_{4}	16.5	X	350.69126	28.51615	37.29865	12.03273	0.2360094	0.23527285	2.5986922	21	—	—
342370 2008 UL_{4}	16.8	X	7.19894	318.15966	58.61608	7.04769	0.2796297	0.23052005	2.6342899	21	12 24.9	19.5
342371 2008 UO_{5}	16.5	X	354.08584	65.30079	22.89190	14.01499	0.1431302	0.23912431	2.5707128	21	—	—
342372 2008 UQ_{5}	17.4	X	102.72803	116.64735	221.62627	6.39731	0.2187688	0.24633845	2.5202749	21	—	—
342373 2008 UR_{9}	17.0	X	43.58720	80.42652	204.04897	13.98175	0.1072308	0.22519031	2.6756928	21	9 16.9	20.5
342374 2008 UH_{13}	17.7	X	95.78526	129.22376	215.58714	1.77565	0.1416565	0.24765529	2.5113331	21	—	—
342375 2008 UO_{14}	17.1	X	149.36080	231.84574	334.77096	1.77968	0.0735723	0.22992902	2.6388023	21	10 12.9	21.1
342376 2008 UX_{15}	17.4	X	354.96756	39.09774	16.32252	7.04174	0.1402450	0.23725314	2.5842116	21	—	—
342377 2008 UD_{19}	17.4	X	146.01562	319.05316	306.79394	0.25858	0.1154870	0.24019079	2.5630976	21	12 23.5	21.2
342378 2008 UY_{26}	16.6	X	181.62503	43.05060	212.81155	8.39663	0.0898309	0.24223231	2.5486762	21	—	—
342379 2008 UB_{29}	16.9	X	100.99065	279.82651	46.45453	14.54681	0.1140474	0.24099899	2.5573641	21	—	—
342380 2008 UU_{29}	17.0	X	311.96054	168.34330	214.64545	14.67137	0.2062135	0.21966074	2.7204104	21	8 14.3	20.2
342381 2008 UT_{30}	17.7	X	41.56150	114.80052	190.16130	4.49318	0.2263476	0.22702660	2.6612451	21	11 3.2	20.9
342382 2008 UF_{31}	17.3	X	11.68376	199.21412	180.39362	3.78461	0.1274904	0.23204708	2.6227203	21	12 13.3	20.3
342383 2008 UL_{32}	16.7	X	327.00105	325.70909	63.58038	7.22564	0.0444704	0.22333530	2.6904884	21	10 13.5	20.1
342384 2008 UV_{32}	16.4	X	17.05953	207.79793	200.36106	6.61846	0.1339237	0.23775270	2.5805904	21	—	—
342385 2008 UA_{34}	16.6	X	81.73121	238.74938	59.15901	8.95843	0.1733404	0.23235703	2.6203874	21	12 2.4	20.4
342386 2008 UK_{34}	17.4	X	349.43241	230.71734	154.58954	3.01343	0.0824330	0.22750048	2.6575483	21	11 10.7	20.6
342387 2008 UN_{34}	16.2	X	231.66575	34.47776	51.45005	14.50762	0.1304003	0.21202965	2.7852979	21	8 10.8	20.7
342388 2008 UT_{34}	16.4	X	302.36884	331.60922	98.75029	3.90037	0.0431351	0.22589838	2.6700986	21	10 31.6	19.8
342389 2008 UT_{38}	16.8	X	235.13697	220.48159	235.25502	9.12868	0.0846707	0.21427508	2.7658053	21	8 22.8	21.0
342390 2008 UP_{40}	17.2	X	74.69223	335.48756	32.89964	6.84134	0.1709482	0.24343030	2.5403075	21	—	—
342391 2008 UG_{41}	16.7	X	32.36532	344.40895	40.88186	8.36618	0.1862517	0.23696270	2.5863227	21	—	—
342392 2008 UK_{41}	17.2	X	74.73606	2.90902	21.82809	0.97787	0.0860190	0.24511205	2.5286745	21	—	—
342393 2008 UV_{42}	17.1	X	98.20545	236.45817	71.90639	4.07515	0.0652797	0.23551034	2.5969449	21	12 23.5	20.6
342394 2008 UR_{48}	16.1	X	166.90310	307.34429	257.80940	5.13415	0.0566076	0.22324421	2.6912202	21	10 29.1	20.1
342395 2008 UU_{48}	16.9	X	304.14929	163.56842	296.57115	1.74969	0.0386636	0.23043862	2.6349105	21	12 11.6	20.3
342396 2008 UV_{50}	17.9	X	54.00160	202.26737	204.08054	1.76527	0.1426977	0.24666974	2.5180178	21	—	—
342397 2008 UB_{51}	17.2	X	358.74796	186.76568	220.46613	2.40249	0.2087962	0.23503189	2.6004680	21	—	—
342398 2008 UL_{52}	16.0	X	336.08954	253.82486	233.61872	13.56385	0.0491785	0.24220311	2.5488811	21	—	—
342399 2008 US_{52}	16.8	X	71.14951	229.61012	61.96464	5.24355	0.0823108	0.22251420	2.6971032	21	11 1.9	20.6
342400 2008 UO_{53}	16.9	X	55.38321	263.05642	55.53357	4.87380	0.1060560	0.22687206	2.6624536	21	11 19.7	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342401 2008 UG_{54}	16.0	X	46.95330	204.90829	62.63020	9.15991	0.1676998	0.21239914	2.7820667	21	9 15.3	19.6
342402 2008 UY_{54}	17.0	X	344.55417	359.13902	46.01743	7.22574	0.2441387	0.23086250	2.6316843	21	12 12.5	19.1
342403 2008 UD_{56}	17.1	X	299.36138	247.62207	11.77893	4.25860	0.0890457	0.27337856	2.3512190	21	2 22.4	20.1
342404 2008 UQ_{56}	17.5	X	112.41647	16.97073	347.67377	4.69673	0.2184261	0.25769122	2.4456988	21	—	—
342405 2008 UX_{56}	17.8	X	66.64865	170.57546	258.88319	1.34843	0.1802002	0.25722053	2.4486815	21	—	—
342406 2008 UL_{57}	16.2	X	37.14409	304.88235	53.61379	6.01634	0.0458272	0.23362239	2.6109171	21	12 9.3	19.6
342407 2008 UG_{58}	17.3	X	7.35742	255.36153	137.75973	3.43781	0.1046886	0.23405792	2.6076772	21	12 21.8	20.5
342408 2008 UM_{58}	16.8	X	280.03050	349.62243	217.56754	3.48580	0.1233074	0.25575564	2.4580228	21	—	—
342409 2008 UP_{58}	17.2	X	322.39056	256.86468	208.02054	7.93311	0.1246314	0.23966385	2.5668532	21	—	—
342410 2008 UD_{59}	17.0	X	19.59876	218.23912	143.94851	4.05440	0.1127840	0.23103759	2.6303545	21	11 30.3	20.2
342411 2008 UJ_{65}	16.8	X	55.30431	32.65772	276.88059	5.36996	0.0121496	0.22392978	2.6857246	21	10 22.4	20.6
342412 2008 UL_{65}	16.2	X	132.13332	66.05974	248.77309	11.90004	0.1096954	0.24415745	2.5352613	21	—	—
342413 2008 UH_{66}	17.0	X	107.66573	32.22641	295.27274	3.67786	0.1606776	0.24234492	2.5478867	21	—	—
342414 2008 UW_{66}	16.0	X	102.96435	279.97358	30.10851	12.27972	0.2017667	0.23933488	2.5692048	21	—	—
342415 2008 UP_{67}	16.2	X	128.04571	324.69995	259.97261	6.40823	0.0475117	0.22051472	2.7133823	21	10 7.2	20.2
342416 2008 UM_{70}	17.0	X	43.01908	342.65135	325.91502	6.00799	0.0385497	0.22096722	2.7096767	21	10 7.8	20.6
342417 2008 UO_{70}	16.7	X	284.71491	63.16834	343.33301	5.92996	0.0353347	0.21540344	2.7561380	21	9 3.2	20.1
342418 2008 UG_{71}	16.8	X	350.82251	87.41590	279.63814	5.18057	0.0404565	0.22125763	2.7073052	21	10 12.3	20.4
342419 2008 UK_{72}	16.9	X	67.68096	358.16090	25.24133	7.75527	0.2679716	0.24374573	2.5381155	21	—	—
342420 2008 UM_{72}	16.2	X	65.71484	349.30970	5.93785	5.64624	0.2608221	0.23942053	2.5685920	21	—	—
342421 2008 UW_{73}	16.4	X	341.70555	7.67461	5.54132	6.41409	0.1050754	0.22192538	2.7018718	21	10 10.0	19.5
342422 2008 US_{75}	16.0	X	313.09446	250.51316	248.14782	12.41558	0.1320014	0.23746929	2.5826432	21	—	—
342423 2008 UG_{76}	16.8	X	66.25880	346.37067	18.08237	3.38154	0.1956291	0.23955677	2.5676181	21	—	—
342424 2008 UB_{77}	17.0	X	4.08749	145.23486	283.24114	1.63112	0.1965932	0.23625762	2.5914659	21	—	—
342425 2008 UP_{77}	16.5	X	119.52961	65.00145	242.06102	13.60136	0.1817073	0.23956441	2.5675635	21	—	—
342426 2008 UA_{80}	17.2	X	97.72273	283.02181	26.55769	10.45550	0.2039098	0.23931191	2.5693691	21	—	—
342427 2008 UM_{84}	16.5	X	51.30057	270.52498	23.18783	10.10033	0.1544838	0.22540312	2.6740084	21	10 20.0	20.0
342428 2008 UG_{87}	16.9	X	61.87320	257.51793	64.92040	4.17320	0.1911391	0.23152886	2.6266324	21	12 14.2	20.6
342429 2008 UP_{87}	16.8	X	42.60107	302.69726	99.98203	4.14027	0.1494201	0.24199151	2.5503667	21	—	—
342430 2008 UN_{89}	17.3	X	57.91244	41.74358	266.90463	2.42419	0.2444264	0.23456605	2.6039098	21	11 30.1	21.1
342431 Hilo	16.3	X	13.54729	147.86580	223.57363	11.70171	0.2733746	0.23248506	2.6194253	21	12 26.7	19.4
342432 2008 UC_{91}	16.1	X	332.14066	298.66353	71.12330	15.21714	0.2588597	0.22166255	2.7040071	21	9 21.7	18.6
342433 2008 UU_{92}	16.2	X	353.12327	266.57225	82.89084	8.92795	0.1350972	0.22430780	2.6827063	21	10 4.7	19.2
342434 2008 UE_{93}	16.2	X	73.44292	199.42719	113.17306	7.23398	0.1400726	0.23481530	2.6020669	21	12 9.9	20.0
342435 2008 UL_{93}	16.5	X	312.53342	233.47336	197.90161	14.82011	0.2193109	0.22688787	2.6623298	21	11 3.9	18.9
342436 2008 UT_{93}	16.3	X	353.03764	240.36987	180.58558	10.09959	0.1653538	0.23318178	2.6142050	21	—	—
342437 2008 UA_{94}	16.6	X	355.06618	240.02507	175.74459	7.72032	0.1783259	0.23342777	2.6123681	21	—	—
342438 2008 UH_{94}	16.5	X	287.65747	252.97861	199.57323	12.39704	0.2373360	0.22293144	2.6937368	21	10 10.0	19.5
342439 2008 UN_{94}	16.5	X	345.41051	3.40045	78.27740	15.47475	0.2323723	0.23400675	2.6080572	21	—	—
342440 2008 UR_{94}	16.9	X	10.12221	93.38286	296.07902	2.33135	0.1136055	0.23213671	2.6220452	21	12 21.8	20.1
342441 2008 UR_{95}	17.0	X	35.73790	75.28064	36.64717	6.55483	0.1547559	0.25351184	2.4725052	21	—	—
342442 2008 UY_{95}	16.6	X	82.23994	128.38761	181.46464	7.63240	0.1249234	0.23695806	2.5863565	21	12 14.3	20.5
342443 2008 UE_{98}	16.2	X	1.55810	347.78148	66.44076	15.56880	0.1241070	0.23480308	2.6021571	21	—	—
342444 2008 UJ_{98}	16.7	X	43.27628	286.43883	126.44621	3.98308	0.2143530	0.24319420	2.5419514	21	—	—
342445 2008 UR_{98}	16.0	X	88.08323	265.97412	94.30565	8.87161	0.2011495	0.24403418	2.5361150	21	—	—
342446 2008 UU_{98}	16.6	X	24.09227	309.08662	56.46182	19.48784	0.2614168	0.23307712	2.6149875	21	—	—
342447 2008 UA_{99}	16.6	X	315.38499	53.86016	346.57628	8.39512	0.1222668	0.22465272	2.6799597	21	9 30.3	19.7
342448 2008 UA_{100}	16.9	X	345.63887	190.94918	221.81619	3.68299	0.2111399	0.23187161	2.6240433	21	12 23.4	19.2
342449 2008 UE_{101}	16.9	X	220.27235	251.35321	330.33569	2.95630	0.1580989	0.24495181	2.5297773	21	—	—
342450 2008 UF_{110}	16.9	X	173.84667	263.67378	293.37121	4.66850	0.1312048	0.22567608	2.6718518	21	10 23.4	21.1
342451 2008 US_{110}	16.4	X	32.03240	51.24058	242.84560	9.38651	0.0993536	0.21928673	2.7235027	21	9 8.6	20.0
342452 2008 UW_{110}	17.1	X	138.48243	336.72336	358.24088	5.85188	0.1380164	0.25174261	2.4840761	21	—	—
342453 2008 UA_{111}	16.4	X	11.92384	137.39022	241.38919	8.81880	0.1008344	0.23191305	2.6237307	21	12 8.6	19.5
342454 2008 UG_{111}	16.7	X	214.86848	245.29852	268.05650	4.60737	0.0795725	0.22416977	2.6838074	21	10 15.8	20.6
342455 2008 UA_{112}	16.8	X	4.98454	190.37712	11.37029	7.23354	0.0487909	0.26895494	2.3769299	21	3 16.1	19.5
342456 2008 UP_{112}	16.4	X	347.83656	174.92087	284.69473	3.33831	0.0729679	0.24202481	2.5501328	21	—	—
342457 2008 UQ_{112}	17.2	X	75.01423	334.75620	329.73044	3.11092	0.1946484	0.23378121	2.6097344	21	12 6.2	21.1
342458 2008 UF_{115}	16.7	X	255.24468	154.33972	11.64757	9.58232	0.1274435	0.23387571	2.6090314	21	12 17.2	20.2
342459 2008 UO_{115}	17.2	X	255.97048	187.65702	12.71806	9.53266	0.0333383	0.24371648	2.5383185	21	—	—
342460 2008 UE_{116}	17.0	X	32.51073	58.93788	334.64855	4.53594	0.0881792	0.23796838	2.5790309	21	—	—
342461 2008 UH_{119}	16.7	X	310.49095	7.62971	351.95043	4.32199	0.0804764	0.21355455	2.7720230	21	8 2.7	20.2
342462 2008 UH_{121}	16.3	X	94.65286	353.75348	291.84277	7.15409	0.0004395	0.22677974	2.6631761	21	11 10.2	20.1
342463 2008 UK_{122}	16.0	X	104.80438	255.00265	27.70258	14.56532	0.1890147	0.23239599	2.6200945	21	12 4.5	20.4
342464 2008 UY_{122}	16.7	X	32.09752	28.61991	320.27211	4.56885	0.2624596	0.23241039	2.6199863	21	12 23.1	20.0
342465 2008 UB_{123}	17.2	X	60.60234	324.56331	5.37996	6.14277	0.3157941	0.23661907	2.5888262	21	—	—
342466 2008 UC_{123}	16.4	X	342.48555	147.04167	261.09149	8.14948	0.1710657	0.22922291	2.6442187	21	12 5.4	18.8
342467 2008 UD_{124}	16.4	X	24.56415	28.86898	300.55102	8.31656	0.1724824	0.22477956	2.6789515	21	10 27.7	19.7
342468 2008 UU_{124}	16.0	X	56.18712	357.45690	23.17016	14.00267	0.1923204	0.24065654	2.5597896	21	—	—
342469 2008 UH_{125}	16.4	X	291.07302	65.31142	23.69572	12.62513	0.1436691	0.22381565	2.6866376	21	10 24.7	19.4
342470 2008 UM_{126}	16.4	X	240.76534	128.17200	323.78001	3.74011	0.0880491	0.21276988	2.7788340	21	8 28.0	20.3
342471 2008 UU_{127}	16.7	X	46.05867	128.78216	213.39726	3.88625	0.1433418	0.22978989	2.6398674	21	12 14.1	20.2
342472 2008 UE_{129}	17.0	X	59.66607	24.78949	276.13502	3.01831	0.2832240	0.23223419	2.6213114	21	11 26.6	20.9
342473 2008 UB_{137}	17.5	X	331.66937	246.61710	219.69905	4.10674	0.2994996	0.23536430	2.5980190	21	—	—
342474 2008 UJ_{140}	17.3	X	231.74004	229.39981	221.28307	1.16577	0.0298776	0.21391008	2.7689506	21	8 22.6	21.2
342475 2008 UB_{142}	16.6	X	63.21456	297.15440	46.97233	3.53483	0.2073982	0.23738183	2.5832775	21	—	—
342476 2008 UA_{143}	16.8	X	354.08441	148.41273	219.00683	10.28301	0.0737724	0.22469482	2.6796249	21	10 21.9	20.1
342477 2008 UR_{144}	16.5	X	19.16778	136.29755	215.67653	5.41831	0.0291360	0.22598090	2.6694486	21	11 3.8	19.8
342478 2008 UD_{147}	17.3	X	354.83792	149.22182	263.11239	1.42351	0.0727951	0.23252333	2.6191379	21	12 24.3	20.3
342479 2008 UG_{147}	17.2	X	132.32160	288.09611	35.25095	3.93241	0.1704045	0.24705963	2.5153680	21	—	—
342480 2008 UL_{147}	17.5	X	340.63068	40.56962	34.48939	5.28830	0.1256579	0.23324383	2.6137413	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342481 2008 UG_{148}	17.1	X	39.89255	25.89722	45.82895	4.67943	0.0726739	0.24544248	2.5264046	21	—	—
342482 2008 UX_{148}	17.2	X	356.96080	327.13545	30.58452	1.71620	0.1083585	0.22251035	2.6971343	21	10 15.9	20.1
342483 2008 UP_{150}	17.1	X	252.11803	129.36708	122.59768	2.06007	0.1568143	0.25922940	2.4360145	21	—	—
342484 2008 UG_{151}	15.9	X	64.61894	200.55195	51.00874	9.29370	0.1797927	0.21358874	2.7717272	21	9 20.1	19.8
342485 2008 UN_{153}	17.4	X	48.82672	214.20236	185.89945	2.33524	0.0377754	0.24492315	2.5299746	21	—	—
342486 2008 UC_{158}	16.3	X	84.48194	137.90930	217.23999	5.94531	0.1691161	0.24254640	2.5464755	21	—	—
342487 2008 UP_{158}	15.9	X	87.02959	345.88853	275.37209	13.08589	0.0939379	0.21815787	2.7328898	21	10 6.9	20.1
342488 2008 UW_{158}	16.2	X	43.75157	68.16347	282.66152	7.52100	0.2072264	0.23311484	2.6147054	21	12 31.8	19.9
342489 2008 UV_{159}	16.7	X	109.01538	305.53453	26.42206	4.74599	0.2739534	0.24434978	2.5339308	21	—	—
342490 2008 UM_{160}	16.9	X	3.89547	336.78563	41.98136	3.53655	0.1706240	0.22783195	2.6549700	21	12 3.6	19.6
342491 2008 UK_{162}	16.4	X	74.72567	349.27026	299.51428	2.95251	0.1814388	0.23064603	2.6333307	21	11 14.4	20.2
342492 2008 UM_{163}	16.6	X	29.64607	95.33445	245.80624	4.31100	0.1346350	0.23014244	2.6371707	21	11 19.2	19.8
342493 2008 UB_{166}	17.4	X	57.45736	156.72750	198.67482	1.86696	0.1217284	0.23768342	2.5810918	21	—	—
342494 2008 UW_{169}	16.9	X	79.85096	179.62280	248.86152	5.52964	0.1151304	0.25760696	2.4462321	21	1 11.5	19.5
342495 2008 UD_{170}	16.4	X	297.42257	101.85537	288.99634	3.79965	0.1268615	0.21986110	2.7187574	21	8 17.2	19.6
342496 2008 UQ_{171}	16.7	X	352.34263	329.58094	25.48633	4.69689	0.0700499	0.22121218	2.7076759	21	10 3.1	19.8
342497 2008 UL_{172}	17.0	X	34.69856	57.78801	233.91962	6.10685	0.0288057	0.21607573	2.7504181	21	9 1.9	20.8
342498 2008 UQ_{172}	17.0	X	39.69402	79.93862	263.41326	2.08064	0.2833397	0.23404009	2.6078096	21	12 28.3	20.6
342499 2008 UD_{173}	16.5	X	23.94605	256.80612	44.83868	4.29761	0.1911419	0.21988626	2.7185499	21	9 25.9	19.3
342500 2008 UX_{173}	16.1	X	83.42943	41.06764	237.35849	12.77922	0.1623879	0.23171339	2.6252376	21	11 9.1	20.0
342501 2008 UT_{174}	16.2	X	122.17002	205.84729	349.32755	12.40672	0.0491436	0.21679400	2.7443398	21	8 28.1	20.0
342502 2008 UN_{176}	17.3	X	102.04508	299.38368	29.21808	13.66491	0.2598530	0.24595224	2.5229125	21	—	—
342503 2008 UE_{181}	16.8	X	169.18781	353.23732	210.30168	11.35995	0.0580017	0.22757824	2.6569429	21	10 31.9	20.7
342504 2008 UB_{183}	16.8	X	196.19528	95.05801	62.28245	5.18465	0.0365219	0.22331504	2.6906511	21	10 7.3	20.5
342505 2008 UW_{183}	16.6	X	359.93549	262.23727	50.62421	9.74794	0.1372467	0.21853456	2.7297485	21	8 24.5	19.7
342506 2008 UL_{185}	16.3	X	300.05135	307.26097	67.05710	5.78687	0.0319947	0.21140364	2.7907937	21	8 14.7	20.0
342507 2008 UP_{185}	16.5	X	255.15737	140.61918	59.42127	10.63955	0.0943338	0.23975450	2.5662061	21	—	—
342508 2008 UW_{185}	17.4	X	352.82175	246.37331	208.04285	2.35957	0.1221187	0.23820855	2.5772971	21	—	—
342509 2008 UC_{186}	17.4	X	87.47786	278.60463	62.47783	2.04541	0.1772996	0.24125931	2.5555242	21	—	—
342510 2008 UH_{186}	16.9	X	9.54074	125.05750	232.16334	5.90565	0.0251902	0.22231568	2.6987085	21	10 26.6	20.4
342511 2008 UQ_{186}	17.1	X	87.79717	139.30357	193.51240	3.65080	0.0275144	0.23390268	2.6088308	21	—	—
342512 2008 UE_{191}	17.4	X	73.94026	268.88017	83.86423	3.33230	0.1409872	0.24197378	2.5504912	21	—	—
342513 2008 UF_{191}	16.6	X	235.56809	159.42332	45.27314	13.96110	0.0852959	0.24222279	2.5487430	21	—	—
342514 2008 UE_{197}	17.2	X	64.50701	201.89585	151.81106	3.11760	0.1753554	0.23939672	2.5687623	21	—	—
342515 2008 UL_{198}	16.9	X	317.18644	184.08582	170.47170	3.82511	0.2087137	0.21781205	2.7357818	21	7 17.9	19.7
342516 2008 UA_{199}	16.8	X	24.77241	189.88761	168.60376	2.41497	0.2930749	0.23240101	2.6200568	21	12 30.3	20.1
342517 2008 UM_{199}	15.1	X	155.33250	247.71099	113.92972	28.09973	0.2622001	0.17204423	3.2016656	21	2 24.4	20.8
342518 2008 UY_{199}	16.4	X	232.86898	127.60644	323.44412	5.59668	0.0452779	0.21339716	2.7733858	21	8 22.7	20.3
342519 2008 UA_{201}	17.0	X	42.36408	111.32591	270.59013	4.55373	0.2592658	0.24041560	2.5614996	21	—	—
342520 2008 UW_{201}	16.0	X	19.73506	209.96653	224.47700	14.12565	0.0662334	0.24120327	2.5559200	21	—	—
342521 2008 UA_{203}	16.8	X	18.81567	112.66010	279.29312	5.61366	0.1421866	0.23695209	2.5863999	21	—	—
342522 2008 UX_{203}	15.8	X	316.18498	165.45211	243.77716	11.89502	0.1321941	0.22508035	2.6765641	21	10 11.8	19.0
342523 2008 UK_{204}	15.9	X	134.32663	261.55722	24.56906	9.26755	0.1685287	0.23993694	2.5649052	21	—	—
342524 2008 UQ_{204}	15.8	X	330.76882	150.50765	235.44441	12.81283	0.1808358	0.22654661	2.6650028	21	10 3.5	18.5
342525 2008 UG_{205}	16.9	X	46.33455	283.15606	88.18473	18.57594	0.2304912	0.24070033	2.5594791	21	—	—
342526 2008 UZ_{205}	18.0	X	66.05129	150.77886	229.36008	8.38673	0.2529805	0.24468814	2.5315943	21	—	—
342527 2008 UH_{206}	16.8	X	316.09704	263.65335	181.62536	14.51486	0.2419397	0.23116245	2.6294073	21	12 4.1	19.2
342528 2008 UW_{208}	16.9	X	20.66219	50.49800	309.75055	1.56333	0.1911010	0.23169703	2.6253612	21	12 10.3	20.0
342529 2008 UH_{209}	16.9	X	13.93008	145.44534	255.97559	1.86044	0.1194662	0.23617634	2.5920605	21	—	—
342530 2008 UK_{214}	16.8	X	359.37944	43.55916	7.10271	11.56138	0.1922337	0.23522401	2.5990519	21	—	—
342531 2008 UB_{215}	16.4	X	13.80541	315.78121	12.59868	12.09488	0.2076902	0.22567301	2.6718760	21	10 15.3	19.0
342532 2008 UF_{216}	16.8	X	315.44115	259.52252	235.59188	2.65365	0.2164789	0.23550002	2.5970207	21	—	—
342533 2008 UU_{217}	16.9	X	174.58409	274.37234	294.42033	3.36083	0.0657658	0.22847851	2.6499589	21	11 11.8	20.9
342534 2008 UE_{218}	17.1	X	56.74281	312.60227	5.31151	4.32909	0.1123036	0.22953861	2.6417936	21	11 20.9	20.8
342535 2008 UO_{218}	16.3	X	87.00898	72.62098	259.81881	3.70736	0.1204180	0.23907070	2.5710971	21	—	—
342536 2008 UQ_{218}	17.0	X	12.24672	353.97440	0.65312	2.94900	0.1172829	0.22698046	2.6616058	21	11 6.8	20.1
342537 2008 UR_{219}	17.0	X	64.66716	348.37179	320.15705	1.89351	0.0867772	0.22860678	2.6489676	21	11 15.4	20.5
342538 2008 UT_{220}	16.6	X	189.25852	280.00807	297.08295	1.68842	0.0165491	0.23321797	2.6139346	21	12 15.0	20.0
342539 2008 UR_{222}	16.5	X	53.60681	289.70457	30.86982	13.06630	0.2887109	0.23318576	2.6141752	21	12 13.8	20.6
342540 2008 UA_{223}	16.5	X	194.92093	142.00777	351.29997	3.53001	0.0234241	0.21489812	2.7604569	21	9 2.7	20.4
342541 2008 UC_{223}	16.5	X	37.18441	293.06526	338.38938	3.71729	0.0236742	0.21162400	2.7888561	21	8 11.8	20.2
342542 2008 UY_{225}	15.8	X	37.21705	83.70489	272.80168	12.96349	0.0986364	0.23475659	2.6025007	21	12 15.5	19.1
342543 2008 UC_{227}	16.2	X	222.75939	84.80678	41.59492	9.30987	0.0718457	0.21660040	2.7459748	21	9 26.6	20.2
342544 2008 UD_{227}	16.8	X	110.91540	279.68429	316.16388	2.37231	0.0357662	0.21766025	2.7370536	21	10 1.5	20.7
342545 2008 US_{227}	16.6	X	350.36569	345.39424	30.51986	6.39041	0.0553195	0.22276854	2.6950499	21	10 26.9	19.8
342546 2008 UG_{228}	16.4	X	66.31159	257.57561	23.66026	4.03828	0.0873829	0.21975488	2.7196334	21	10 13.1	19.8
342547 2008 UR_{230}	15.9	X	327.28484	216.57864	206.81126	21.52972	0.0500737	0.23455543	2.6039885	21	11 27.8	19.4
342548 2008 US_{232}	17.1	X	172.77399	315.12198	313.85871	1.02127	0.1284769	0.24517310	2.5282548	21	—	—
342549 2008 UM_{233}	16.9	X	240.95829	135.96366	338.69059	5.12325	0.0311420	0.22180754	2.7028286	21	10 4.4	20.5
342550 2008 UO_{236}	16.2	X	279.99945	119.38915	20.88020	11.61813	0.1265211	0.23391790	2.6087177	21	12 20.5	19.5
342551 2008 UA_{239}	16.9	X	288.32063	48.58607	328.68190	5.46507	0.0264963	0.21168319	2.7883362	21	8 1.5	20.6
342552 2008 UV_{240}	16.6	X	350.62881	81.28401	298.81276	4.42169	0.1384473	0.22636299	2.6664438	21	11 6.1	19.5
342553 2008 UV_{241}	16.7	X	23.67097	298.54542	81.99065	10.53553	0.2146035	0.23626667	2.5913997	21	—	—
342554 2008 UN_{242}	16.3	X	154.88018	187.32615	351.26766	8.96089	0.0986441	0.21312113	2.7757800	21	9 13.2	20.3
342555 2008 UO_{242}	16.2	X	277.70331	192.63761	269.47463	11.80856	0.2292299	0.22244425	2.6976686	21	10 2.4	19.9
342556 2008 UT_{244}	16.4	X	46.59067	101.26827	278.26322	15.29969	0.1622296	0.24041750	2.5614861	21	—	—
342557 2008 UN_{245}	17.2	X	274.40380	143.00698	4.61145	4.22325	0.1613134	0.23043538	2.6349352	21	12 16.0	20.2
342558 2008 UW_{245}	17.1	X	80.21074	318.05574	10.59429	4.12615	0.2439914	0.23710392	2.5852957	21	—	—
342559 2008 UT_{247}	17.3	X	322.98271	343.62662	57.22268	5.40183	0.1742082	0.22218584	2.6997598	21	10 15.2	19.8
342560 2008 UG_{248}	17.0	X	27.97887	321.04084	69.45167	3.87930	0.2367957	0.23569536	2.5955857	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342561 2008 UL_{250}	17.4	X	253.73768	226.68896	293.51205	1.12859	0.0445223	0.23468174	2.6030540	21	12 20.7	20.8
342562 2008 UB_{251}	16.8	X	219.79560	175.58835	334.27494	0.66409	0.0919669	0.22364682	2.6879895	21	10 17.4	20.6
342563 2008 UG_{251}	16.7	X	308.75091	243.85719	224.75640	12.41964	0.2309126	0.23172126	2.6251783	21	12 19.9	19.0
342564 2008 US_{251}	16.5	X	152.94980	179.74471	38.75103	6.15496	0.0242576	0.22582714	2.6706601	21	10 31.8	20.3
342565 2008 UP_{252}	17.3	X	328.71354	91.61281	47.31858	6.92568	0.1693599	0.24291269	2.5439149	21	—	—
342566 2008 UM_{254}	16.9	X	41.65058	142.87419	215.56656	2.91050	0.2163948	0.23561302	2.5961903	21	—	—
342567 2008 UW_{254}	16.8	X	51.62645	114.67098	224.58605	6.01665	0.1739163	0.23358262	2.6112134	21	12 21.8	20.5
342568 2008 UK_{255}	16.5	X	13.69522	321.35864	50.70952	3.28116	0.2167215	0.23128981	2.6284419	21	12 19.3	19.4
342569 2008 UX_{255}	16.6	X	275.89841	45.97574	64.11522	3.70178	0.0100978	0.22886764	2.6469543	21	11 18.9	20.1
342570 2008 UY_{257}	16.0	X	274.82448	252.84002	236.29236	12.00576	0.2014199	0.22722042	2.6597315	21	11 14.9	19.0
342571 2008 UH_{259}	17.4	X	47.65222	281.78169	56.01088	4.41633	0.2524822	0.23355685	2.6114055	21	12 26.0	21.1
342572 2008 UQ_{259}	16.4	X	242.29461	33.24835	51.21851	6.56958	0.0192864	0.21389949	2.7690420	21	9 2.6	20.3
342573 2008 UN_{261}	16.8	X	93.11181	69.90772	219.55954	12.83566	0.1285506	0.22956462	2.6415941	21	11 29.9	20.8
342574 2008 UB_{262}	16.5	X	26.75743	65.34087	301.10230	6.96250	0.2136960	0.23167982	2.6254912	21	12 31.3	19.8
342575 2008 UC_{264}	16.6	X	73.17271	17.00404	28.36595	5.96977	0.0167332	0.26162124	2.4211445	21	—	—
342576 2008 UP_{264}	17.1	X	294.34692	112.92063	291.82667	3.88169	0.0505729	0.21962896	2.7206728	21	9 10.6	20.7
342577 2008 UV_{266}	16.8	X	317.29982	117.91076	335.88031	2.25416	0.1086508	0.23329537	2.6133564	21	12 21.9	19.7
342578 2008 UW_{266}	17.1	X	58.97109	321.14602	22.00263	5.21450	0.1915377	0.23704070	2.5857554	21	—	—
342579 2008 UR_{267}	16.9	X	39.15657	270.93912	44.57487	12.29669	0.3180925	0.23113441	2.6296199	21	11 25.8	20.4
342580 2008 UK_{268}	17.3	X	59.39061	174.25894	189.51774	1.46931	0.0689625	0.23864687	2.5741403	21	—	—
342581 2008 UG_{269}	16.8	X	315.47226	81.10446	48.81578	22.31588	0.1297125	0.23891211	2.5722348	21	—	—
342582 2008 UP_{270}	16.6	X	296.25739	230.90849	208.30485	13.51788	0.1354085	0.23137100	2.6278270	21	10 23.7	19.2
342583 2008 UF_{273}	16.2	X	20.23227	119.08014	243.71550	13.01193	0.2062866	0.23331562	2.6132052	21	12 15.7	19.2
342584 2008 UG_{277}	16.9	X	358.25631	45.34484	37.55520	4.64222	0.1460760	0.24019090	2.5630969	21	—	—
342585 2008 UO_{278}	17.0	X	53.87480	273.79439	50.37737	3.83088	0.1280684	0.23208474	2.6224366	21	11 28.8	20.5
342586 2008 UQ_{279}	17.1	X	82.06955	117.29637	212.67200	7.61962	0.1784693	0.24010477	2.5637098	21	—	—
342587 2008 UU_{283}	17.4	X	3.76205	165.85595	228.25203	4.13544	0.2818859	0.23162206	2.6259277	21	—	—
342588 2008 UQ_{288}	17.7	X	6.54124	276.25326	185.31477	3.98805	0.1706237	0.24467301	2.5316986	21	—	—
342589 2008 UH_{289}	16.7	X	269.95465	252.24454	210.95576	4.18977	0.1175501	0.22121077	2.7076875	21	10 16.2	20.1
342590 2008 UB_{292}	16.9	X	272.21948	170.48717	239.26464	4.17558	0.0582576	0.21527780	2.7572103	21	8 15.8	20.6
342591 2008 UH_{300}	16.6	X	43.36425	266.16597	7.96015	4.29964	0.0839207	0.21413079	2.7670476	21	9 2.0	20.1
342592 2008 UP_{300}	16.2	X	315.78398	18.69869	95.24901	8.54750	0.1590989	0.23823221	2.5771264	21	—	—
342593 2008 UF_{301}	16.7	X	89.88464	341.70036	340.30966	4.51620	0.1083094	0.23576475	2.5950763	21	—	—
342594 2008 UF_{302}	17.1	X	269.68979	145.92687	27.80369	5.74587	0.1839030	0.23456622	2.6039086	21	—	—
342595 2008 UM_{302}	16.8	X	247.13690	305.43529	276.31549	3.30301	0.0375677	0.24404342	2.5360510	21	—	—
342596 2008 UP_{302}	17.9	X	2.64765	113.00604	341.13385	1.96553	0.2622035	0.23919941	2.5701747	21	—	—
342597 2008 UQ_{303}	17.1	X	324.41989	69.01712	33.08882	4.36720	0.1224395	0.23345759	2.6121456	21	—	—
342598 2008 UE_{308}	16.2	X	322.94787	105.81631	14.84878	9.96915	0.0027588	0.24072176	2.5593273	21	—	—
342599 2008 UT_{308}	16.6	X	91.12480	323.44880	354.15824	6.55182	0.1493941	0.23674880	2.5878803	21	—	—
342600 2008 UW_{310}	16.1	X	63.64547	114.98738	239.26658	21.13368	0.0662789	0.23916478	2.5704228	21	—	—
342601 2008 UW_{313}	16.3	X	67.04803	352.14659	302.53635	4.49395	0.2910890	0.23331833	2.6131849	21	11 26.5	20.4
342602 2008 UF_{315}	16.7	X	49.04925	91.51104	233.73267	4.68455	0.2057100	0.22871973	2.6480955	21	12 5.1	20.2
342603 2008 UW_{315}	16.7	X	303.67895	344.99648	61.58668	9.56332	0.2149865	0.21895320	2.7262678	21	9 12.7	19.8
342604 2008 UY_{320}	16.6	X	297.35939	181.44708	325.39143	2.55960	0.1891027	0.24037836	2.5617641	21	—	—
342605 2008 UC_{321}	17.1	X	291.11808	132.56879	7.49387	7.57463	0.1311422	0.23860467	2.5744438	21	—	—
342606 2008 UA_{322}	17.1	X	183.00608	179.28559	342.17395	4.81224	0.0023359	0.22278236	2.6949384	21	9 24.9	20.6
342607 2008 UV_{322}	17.1	X	74.05399	83.61290	223.04869	23.99231	0.2480999	0.23702954	2.5858365	21	12 12.4	21.5
342608 2008 UM_{323}	15.9	X	42.16788	60.78575	265.87801	10.30932	0.1891311	0.22994085	2.6387118	21	11 25.5	19.3
342609 2008 UL_{324}	16.9	X	287.96804	230.32194	270.59894	4.40752	0.1568580	0.23166820	2.6255791	21	12 31.2	19.7
342610 2008 UO_{325}	16.2	X	280.54741	141.47429	282.79609	9.49133	0.0526074	0.22177317	2.7031079	21	9 13.7	19.9
342611 2008 UE_{327}	15.6	X	35.49082	242.07549	139.26858	31.03142	0.2675739	0.23700065	2.5860467	21	—	—
342612 2008 UN_{327}	15.6	X	244.60506	275.76863	214.80081	21.36926	0.0241154	0.22757794	2.6569453	21	11 2.6	19.0
342613 2008 UO_{331}	16.3	X	315.27979	35.23661	22.82511	15.53900	0.1989093	0.22497585	2.6773929	21	10 19.9	18.8
342614 2008 UH_{335}	16.2	X	226.36185	157.14093	355.60208	8.87009	0.0735531	0.22508227	2.6765490	21	10 28.3	20.1
342615 2008 UN_{336}	16.3	X	123.65917	283.56824	57.75640	1.92374	0.1655678	0.17154365	3.2078911	21	—	—
342616 2008 UJ_{338}	16.7	X	249.26234	194.86212	336.40052	4.66919	0.0818394	0.23291890	2.6161716	21	12 23.4	20.0
342617 2008 UF_{339}	17.0	X	282.93168	269.94175	254.60874	2.50505	0.0394463	0.24239830	2.5475126	21	—	—
342618 2008 UV_{339}	16.9	X	38.87001	266.83269	63.50364	4.44217	0.2187449	0.23036324	2.6354853	21	11 30.9	20.3
342619 2008 UR_{340}	16.2	X	110.09687	319.63864	15.97778	13.84140	0.1053734	0.24553326	2.5257818	21	—	—
342620 Beita	16.1	X	113.67240	183.87342	174.10458	6.99444	0.1996850	0.17223511	3.1992997	21	1 2.9	20.8
342621 2008 UR_{341}	17.1	X	102.31556	123.99456	216.31531	2.76596	0.2271840	0.24366813	2.5386543	21	—	—
342622 2008 UV_{341}	16.7	X	58.89986	245.06046	55.24673	3.97266	0.0588267	0.22330645	2.6907202	21	10 25.1	20.1
342623 2008 UC_{342}	16.5	X	351.73235	299.70887	30.93036	6.71767	0.0066972	0.21417008	2.7667093	21	8 30.4	20.2
342624 2008 UM_{342}	17.4	X	121.14384	201.99127	75.70356	2.49626	0.1181580	0.23574312	2.5952350	21	12 13.2	21.2
342625 2008 UP_{342}	16.6	X	56.19008	97.18065	211.85597	4.74705	0.0469922	0.22678344	2.6631471	21	10 31.0	20.2
342626 2008 UL_{343}	16.3	X	6.77361	283.40156	138.04862	9.73887	0.0819666	0.23696872	2.5862789	21	—	—
342627 2008 UR_{343}	16.6	X	268.57287	122.58490	21.18541	13.18723	0.2057326	0.22917733	2.6445692	21	11 21.3	20.1
342628 2008 UT_{344}	16.3	X	243.07966	109.76526	66.36647	14.98310	0.1463649	0.22960983	2.6412473	21	12 10.2	19.9
342629 2008 UD_{346}	16.6	X	345.89145	255.41744	111.21743	9.86599	0.1698749	0.21459470	2.7630584	21	10 15.2	19.6
342630 2008 UL_{346}	15.6	X	179.52241	136.92682	303.80947	8.23214	0.0470262	0.19044187	2.9919966	21	6 5.5	20.0
342631 2008 UN_{346}	15.7	X	154.20289	179.97115	272.66975	7.15376	0.0771402	0.18601512	3.0392789	21	5 24.4	20.4
342632 2008 UV_{349}	17.5	X	201.62934	44.74209	198.82576	3.60147	0.0434928	0.24332417	2.5410461	21	—	—
342633 2008 UB_{352}	16.3	X	5.11913	252.72675	121.40497	14.84855	0.1901427	0.22803466	2.6533964	21	12 5.8	19.4
342634 2008 UU_{352}	17.4	X	316.32529	77.08149	60.46442	8.51417	0.1113627	0.23979802	2.5658957	21	—	—
342635 2008 UF_{353}	17.1	X	337.30338	324.64956	21.79851	1.56076	0.0037571	0.21293317	2.7774132	21	8 29.3	20.8
342636 2008 UR_{353}	17.1	X	358.20960	83.55623	253.18083	4.99129	0.0338694	0.21714337	2.7413953	21	9 11.5	20.8
342637 2008 UR_{354}	16.6	X	77.21284	119.92346	183.84259	2.99293	0.2049859	0.23128248	2.6284975	21	12 8.9	20.7
342638 2008 UW_{355}	16.6	X	294.46039	291.50909	248.91858	10.75213	0.2184624	0.23970253	2.5665771	21	—	—
342639 2008 UZ_{355}	17.1	X	325.00566	43.21174	329.13596	2.03436	0.0698257	0.21546357	2.7556252	21	9 11.7	20.5
342640 2008 UD_{356}	16.3	X	319.12671	171.69708	217.37517	5.06411	0.0286635	0.21819898	2.7325466	21	9 27.5	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342641 2008 UM_{356}	17.1	X	33.82635	289.98405	45.59664	13.77448	0.2765465	0.23159162	2.6261578	21	12 8.3	20.6
342642 2008 UA_{358}	17.5	X	32.29948	4.43421	342.56694	1.52071	0.2111736	0.22968013	2.6407083	21	12 12.3	20.7
342643 2008 UG_{360}	16.3	X	77.09337	298.88882	261.83155	11.29948	0.0934602	0.20223013	2.8745650	21	7 10.8	20.2
342644 2008 UZ_{363}	15.8	X	76.43015	0.30284	321.88594	15.02010	0.0433566	0.23454584	2.6040595	21	12 12.8	19.6
342645 2008 UV_{364}	16.0	X	348.63818	259.13883	57.37962	9.75828	0.1461525	0.21862152	2.7290246	21	8 5.5	19.0
342646 2008 UE_{367}	16.7	X	338.48014	286.22158	124.55146	6.75496	0.1499746	0.23073319	2.6326674	21	12 1.9	19.5
342647 2008 UM_{368}	16.3	X	255.51657	256.59402	166.11920	12.35384	0.1755035	0.21118639	2.7927074	21	7 25.6	20.5
342648 2008 UP_{369}	15.8	X	46.86903	241.83769	111.89275	12.64376	0.2125974	0.23348014	2.6119774	21	—	—
342649 2008 UP_{370}	16.6	X	117.99772	293.85008	279.27491	6.83622	0.0451642	0.21212720	2.7844440	21	9 8.7	20.7
342650 2008 VQ_{1}	15.8	X	81.70183	311.53944	20.51804	9.70364	0.0972234	0.23705511	2.5856506	21	—	—
342651 2008 VR_{1}	16.7	X	85.84103	27.45445	292.83104	5.08636	0.3129989	0.24080783	2.5587173	21	—	—
342652 2008 VW_{2}	16.3	X	69.92535	306.45482	15.59134	5.48292	0.2828329	0.23503795	2.6004233	21	—	—
342653 2008 VG_{3}	15.7	X	84.78785	49.32402	258.70468	13.94218	0.1235576	0.23465463	2.6032546	21	12 13.8	19.4
342654 2008 VJ_{3}	16.3	X	333.49376	100.14217	6.50807	11.75398	0.0814942	0.23968275	2.5667182	21	—	—
342655 2008 VO_{3}	16.5	X	40.12929	136.58028	237.43808	27.91848	0.1613603	0.23740523	2.5831078	21	—	—
342656 2008 VV_{3}	16.7	X	46.10553	42.14357	332.23682	6.34149	0.1134560	0.23884050	2.5727489	21	—	—
342657 2008 VW_{3}	16.9	X	305.99730	104.31731	348.22863	6.76600	0.2555727	0.22860414	2.6489880	21	11 12.4	19.1
342658 2008 VC_{4}	16.6	X	315.59430	101.22352	11.39186	2.60353	0.1421992	0.23654454	2.5893699	21	—	—
342659 2008 VP_{4}	16.3	X	338.45076	91.10793	296.93284	4.30666	0.1071616	0.22825180	2.6517134	21	10 24.9	19.2
342660 2008 VW_{4}	16.3	X	325.33847	317.38111	71.96424	12.79759	0.2003981	0.22334863	2.6903814	21	10 7.5	19.0
342661 2008 VK_{6}	16.2	X	134.13365	174.00071	104.44076	15.00163	0.0461603	0.23408489	2.6074769	21	12 25.9	19.9
342662 2008 VR_{10}	16.8	X	77.32040	82.53311	210.78273	12.12702	0.2632660	0.23102860	2.6304227	21	12 2.3	21.1
342663 2008 VB_{12}	16.4	X	286.46696	176.17673	200.61723	8.05797	0.2001573	0.21275811	2.7789366	21	6 30.5	20.3
342664 2008 VZ_{12}	15.9	X	231.19526	259.72992	251.46169	13.10789	0.0375275	0.22368434	2.6876889	21	11 7.7	19.7
342665 2008 VB_{13}	17.0	X	288.75192	267.86522	239.37913	0.73689	0.0980470	0.23521473	2.5991202	21	—	—
342666 2008 VC_{13}	16.7	X	342.12560	207.00622	202.74861	4.75587	0.2421093	0.22839772	2.6505838	21	12 13.5	18.8
342667 2008 VM_{13}	16.4	X	66.66093	102.58379	264.77713	7.81264	0.1664886	0.24160647	2.5530756	21	—	—
342668 2008 VZ_{14}	16.6	X	22.64243	281.33209	136.76299	4.19564	0.2106410	0.23832135	2.5764838	21	—	—
342669 2008 VP_{15}	17.0	X	336.50406	190.05464	202.50862	1.47116	0.0891472	0.22664822	2.6642063	21	10 29.8	20.0
342670 2008 VQ_{15}	17.3	X	4.57091	140.89047	210.40001	2.82675	0.0813461	0.22491719	2.6778584	21	10 17.5	20.4
342671 2008 VQ_{16}	17.2	X	113.56067	190.48186	86.65319	2.12941	0.1135458	0.23324176	2.6137568	21	12 4.5	21.0
342672 2008 VY_{25}	17.0	X	299.17552	16.15899	106.31382	3.91408	0.1698062	0.23441668	2.6050158	21	12 26.1	19.4
342673 2008 VD_{31}	17.1	X	75.23079	213.63284	82.66882	6.35487	0.2424755	0.23133990	2.6280625	21	12 1.8	21.3
342674 2008 VE_{35}	16.1	X	307.78587	215.37896	231.91956	21.07448	0.0450325	0.22652315	2.6651868	21	11 28.9	19.5
342675 2008 VU_{35}	16.1	X	323.90665	280.13110	10.11906	5.78245	0.0544792	0.19948881	2.9008394	21	5 20.4	19.9
342676 2008 VD_{36}	16.7	X	348.30910	259.77585	198.64765	8.16998	0.1283698	0.23950941	2.5679565	21	—	—
342677 2008 VC_{38}	15.9	X	322.43370	333.26301	66.85091	12.89662	0.1797128	0.22402507	2.6849630	21	10 17.5	18.7
342678 2008 VV_{38}	17.0	X	350.18539	84.41102	33.56193	5.33766	0.1460956	0.24180834	2.5516545	21	—	—
342679 2008 VL_{39}	16.7	X	339.43461	92.06686	301.12618	5.00703	0.0506704	0.22372727	2.6873450	21	10 31.7	20.2
342680 2008 VN_{41}	16.3	X	9.54705	21.83703	12.43486	15.39137	0.1146646	0.23530256	2.5984734	21	12 29.2	19.8
342681 2008 VT_{46}	17.4	X	2.60914	177.32881	216.54857	2.80040	0.2330228	0.23127634	2.6285440	21	—	—
342682 2008 VT_{50}	16.4	X	36.26918	238.58118	126.81139	5.03847	0.3276759	0.23728093	2.5840098	21	—	—
342683 2008 VW_{52}	16.9	X	85.09403	209.92543	226.61550	5.76257	0.1289998	0.25885254	2.4383784	21	1 31.7	19.6
342684 2008 VB_{53}	17.4	X	355.97177	98.36115	253.54938	2.03494	0.1066061	0.22512091	2.6762427	21	10 5.3	20.3
342685 2008 VL_{53}	16.5	X	10.05225	276.06410	113.08821	5.16303	0.1858812	0.23348767	2.6119213	21	—	—
342686 2008 VX_{57}	16.6	X	15.23128	318.16259	97.43689	7.09768	0.0612972	0.23874117	2.5734625	21	—	—
342687 2008 VL_{59}	16.3	X	54.47333	114.33041	225.55740	3.85382	0.1008202	0.23285718	2.6166339	21	12 16.1	19.8
342688 2008 VZ_{60}	16.7	X	189.43871	283.09666	203.71735	4.33711	0.0665208	0.21165874	2.7885509	21	8 14.2	20.8
342689 2008 VZ_{61}	16.8	X	17.93990	82.02971	225.89262	7.95743	0.1283782	0.21858670	2.7293144	21	9 9.8	20.1
342690 2008 VK_{64}	16.0	X	35.21365	305.13700	119.35452	13.95851	0.1539023	0.24313784	2.5423442	21	—	—
342691 2008 VQ_{64}	16.7	X	8.99577	36.24248	339.43720	3.45586	0.2626568	0.22960681	2.6412705	21	12 23.7	19.4
342692 2008 VT_{66}	17.1	X	355.04710	139.09243	223.51379	5.32774	0.0070752	0.21943254	2.7222961	21	10 12.3	20.8
342693 2008 VV_{67}	16.8	X	297.20784	231.13698	165.87278	0.36292	0.0725155	0.21487005	2.7606973	21	9 2.9	20.4
342694 2008 VQ_{69}	16.7	X	291.06018	108.34759	226.47996	1.21630	0.0681730	0.20355226	2.8621041	21	6 2.2	20.6
342695 2008 VD_{71}	16.1	X	263.30248	201.42423	271.71332	13.39541	0.1324503	0.22194771	2.7016905	21	10 12.1	20.1
342696 2008 VR_{71}	16.5	X	353.19521	324.12887	103.50409	6.42380	0.2007358	0.22958475	2.6414396	21	—	—
342697 2008 VS_{71}	16.0	X	65.23346	16.33262	260.34207	14.06442	0.0702681	0.21620705	2.7493043	21	9 25.5	20.0
342698 2008 VB_{72}	15.9	X	215.33486	353.73590	125.05814	10.77740	0.1068030	0.21218020	2.7839803	21	9 3.1	20.1
342699 2008 VO_{72}	16.7	X	40.55174	249.65387	99.77124	4.06883	0.2199578	0.23133789	2.6280777	21	12 27.6	20.2
342700 2008 VH_{73}	16.5	X	73.77943	174.40853	68.69556	5.71525	0.1034550	0.21102639	2.7941188	21	9 7.4	20.3
342701 2008 VH_{75}	15.9	X	47.70784	257.01649	83.36596	15.69482	0.1454779	0.23390903	2.6087836	21	12 14.9	19.3
342702 2008 VW_{77}	16.2	X	224.28389	255.16713	250.23548	12.20206	0.1467481	0.21786170	2.7353660	21	10 5.7	20.5
342703 2008 VP_{78}	16.4	X	32.94788	258.92723	119.33824	5.94896	0.1541116	0.23398442	2.6082232	21	—	—
342704 2008 VJ_{79}	16.5	X	12.06971	269.90399	120.58807	4.47888	0.1750272	0.22682287	2.6628384	21	—	—
342705 2008 VS_{79}	16.5	X	266.89704	74.81948	23.68471	9.41846	0.1181520	0.22010002	2.7167895	21	10 6.9	19.9
342706 2008 VD_{80}	15.5	X	171.56520	120.38601	298.54650	13.16066	0.0483787	0.18155159	3.0888917	21	4 25.5	20.4
342707 2008 VJ_{80}	16.7	X	318.95819	104.40080	314.42890	5.65074	0.1986560	0.22080482	2.7110052	21	10 25.9	19.3
342708 2008 WG_{1}	16.5	X	290.00654	72.14254	345.13250	7.96080	0.1847078	0.21949462	2.7217828	21	9 3.6	19.5
342709 2008 WW_{1}	17.0	X	315.79443	276.50847	204.95546	5.70377	0.2500448	0.23347532	2.6120134	21	—	—
342710 2008 WR_{2}	16.5	X	332.07945	351.32017	74.66899	3.54175	0.1116917	0.22953566	2.6418162	21	12 8.1	19.4
342711 2008 WH_{3}	16.7	X	271.00039	280.62598	251.19567	4.28633	0.0335057	0.24182090	2.5515661	21	—	—
342712 2008 WC_{10}	16.6	X	89.93384	285.87338	351.71803	3.80738	0.0656721	0.22288687	2.6940959	21	11 2.3	20.3
342713 2008 WP_{12}	17.3	X	332.23490	40.60538	59.30984	6.68931	0.3043668	0.23234210	2.6204997	21	—	—
342714 2008 WF_{13}	16.7	X	24.22576	152.80701	200.26237	7.17690	0.2323103	0.23051998	2.6342905	21	12 12.9	19.9
342715 2008 WU_{13}	16.0	X	28.53163	135.27076	232.02536	21.39981	0.0828176	0.23098354	2.6307648	21	12 13.1	19.5
342716 2008 WU_{14}	17.6	X	14.13610	153.80968	256.82861	4.41562	0.2032430	0.23802118	2.5786495	21	—	—
342717 2008 WB_{15}	17.8	X	32.71232	67.77376	9.60181	1.31449	0.1557723	0.24668076	2.5179429	21	—	—
342718 2008 WE_{16}	16.9	X	225.28319	12.65216	263.08399	3.70428	0.0590245	0.25635267	2.4542049	21	—	—
342719 2008 WW_{16}	17.1	X	186.10037	176.10256	45.47904	12.91016	0.1365164	0.23564287	2.5959711	21	12 5.4	21.1
342720 2008 WQ_{21}	16.7	X	62.41716	259.97509	89.67815	2.82810	0.1401635	0.23576196	2.5950968	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342721 2008 WC_{23}	16.2	X	318.73146	295.83921	232.98275	10.92494	0.2939970	0.24296407	2.5435563	21	—	—
342722 2008 WJ_{23}	16.7	X	359.93613	265.22105	87.12106	2.67351	0.0970066	0.22271206	2.6955055	21	10 13.9	19.7
342723 2008 WL_{23}	17.2	X	46.06594	292.75961	78.57037	4.31556	0.1307532	0.23688997	2.5868521	21	—	—
342724 2008 WA_{24}	17.3	X	83.96837	146.78917	269.07213	0.81028	0.2095892	0.25225177	2.4807323	21	1 16.5	19.4
342725 2008 WL_{25}	16.4	X	293.57576	203.62116	223.73229	6.61602	0.0536558	0.22033556	2.7148530	21	10 10.1	19.9
342726 2008 WQ_{25}	16.6	X	105.53724	68.92074	227.33312	10.88831	0.1184375	0.23532566	2.5983034	21	12 19.8	20.7
342727 2008 WP_{32}	16.7	X	44.55731	156.41841	203.55027	13.82118	0.2657018	0.23727207	2.5840741	21	—	—
342728 2008 WD_{34}	17.2	X	228.42544	258.32023	215.98424	2.66813	0.1500954	0.21683053	2.7440316	21	9 3.9	21.2
342729 2008 WG_{34}	17.2	X	0.45323	205.97416	181.36727	1.71145	0.1042624	0.23116405	2.6293951	21	12 2.9	20.1
342730 2008 WB_{39}	17.2	X	24.11468	82.41695	231.12294	3.67868	0.1102978	0.21897056	2.7261237	21	9 27.8	20.5
342731 2008 WD_{40}	16.8	X	309.04272	143.78483	221.94115	4.08307	0.0883871	0.21272995	2.7791818	21	8 4.9	20.2
342732 2008 WW_{41}	16.6	X	57.83926	259.58046	39.54018	4.77270	0.0684438	0.22119506	2.7078157	21	10 22.9	20.3
342733 2008 WQ_{42}	16.7	X	70.19188	51.92203	299.42106	1.71762	0.1669278	0.23740690	2.5830957	21	—	—
342734 2008 WF_{43}	17.6	X	330.17107	357.30038	44.30192	3.07052	0.1439687	0.22383286	2.6864998	21	10 30.5	20.4
342735 2008 WZ_{44}	16.7	X	339.45287	136.33533	247.47123	4.37171	0.0994875	0.22232162	2.6986605	21	10 20.4	19.8
342736 2008 WK_{46}	16.6	X	37.46992	282.00221	55.38932	4.92993	0.1187857	0.22558753	2.6725510	21	11 22.1	19.8
342737 2008 WV_{48}	16.7	X	340.93313	271.22371	190.68383	2.18598	0.1715352	0.23770705	2.5809208	21	—	—
342738 2008 WB_{49}	17.1	X	18.78047	47.49388	8.06688	3.91313	0.2188011	0.23801997	2.5786582	21	—	—
342739 2008 WS_{49}	16.5	X	0.73758	193.23686	201.60547	8.50880	0.0191567	0.22965641	2.6408901	21	12 4.8	20.0
342740 2008 WM_{51}	17.4	X	301.32097	7.98067	84.31076	2.48641	0.0517378	0.22929673	2.6436511	21	11 26.6	20.6
342741 2008 WK_{54}	17.1	X	326.25881	53.06476	346.99568	3.71996	0.1345264	0.22357823	2.6885392	21	10 19.4	20.0
342742 2008 WU_{54}	16.2	X	47.14018	260.71811	63.78718	8.40145	0.0459210	0.22517929	2.6757801	21	11 8.8	19.7
342743 2008 WT_{60}	17.0	X	15.07308	296.76259	134.92437	1.64221	0.1709231	0.23929738	2.5694732	21	—	—
342744 2008 WD_{61}	16.2	X	68.72365	141.04125	231.17577	6.53066	0.0442882	0.23843021	2.5756995	21	—	—
342745 2008 WT_{61}	17.2	X	347.53092	248.22423	218.69376	3.44972	0.2121005	0.23742013	2.5829997	21	—	—
342746 2008 WV_{62}	16.9	X	296.48531	167.98933	291.04206	4.07586	0.2338350	0.22506827	2.6766599	21	11 4.2	19.5
342747 2008 WK_{63}	15.8	X	53.20534	95.49364	264.94722	11.56981	0.1988194	0.23468204	2.6030518	21	—	—
342748 2008 WU_{65}	16.1	X	102.78529	252.92596	62.21149	6.15287	0.2134554	0.23808465	2.5781912	21	—	—
342749 2008 WU_{66}	16.4	X	41.20044	254.30705	79.78987	5.82325	0.0838488	0.22527651	2.6750102	21	11 18.6	19.9
342750 2008 WN_{67}	16.8	X	3.57651	315.41281	99.87455	3.13565	0.1175436	0.23325998	2.6136207	21	—	—
342751 2008 WW_{67}	17.2	X	17.24061	243.69543	201.67198	1.70025	0.0487701	0.24152504	2.5536494	21	—	—
342752 2008 WY_{68}	17.1	X	352.56892	251.32069	198.70691	3.03989	0.1837971	0.23615557	2.5922124	21	—	—
342753 2008 WU_{73}	16.5	X	320.69366	325.07052	83.65948	13.15198	0.1209978	0.21891876	2.7265538	21	10 28.9	19.7
342754 2008 WJ_{75}	15.9	X	55.11178	247.73177	45.99750	14.26557	0.1620980	0.22526324	2.6751153	21	10 28.4	19.4
342755 2008 WG_{78}	17.3	X	326.83356	175.50258	209.68172	4.55294	0.1778753	0.22059631	2.7127132	21	9 26.1	19.9
342756 2008 WK_{79}	16.4	X	34.68181	209.86316	126.07786	4.95051	0.1950932	0.22754782	2.6571798	21	11 29.6	19.8
342757 2008 WX_{81}	16.6	X	171.19920	152.13241	102.18745	7.35793	0.0537287	0.23414024	2.6070659	21	—	—
342758 2008 WF_{83}	17.3	X	308.34389	309.54594	176.69639	4.54456	0.0887977	0.23357851	2.6112440	21	—	—
342759 2008 WD_{85}	16.2	X	316.70541	353.55872	88.88686	15.28133	0.1587978	0.22514512	2.6760508	21	12 3.2	18.9
342760 2008 WV_{88}	16.6	X	357.47661	283.87456	22.44867	6.91436	0.0878607	0.21148458	2.7900816	21	8 6.0	20.0
342761 2008 WL_{92}	17.0	X	354.20050	357.66818	1.74277	1.62634	0.1070415	0.22192220	2.7018976	21	10 12.9	20.1
342762 2008 WW_{94}	16.6	X	328.27822	297.78566	73.29279	3.50445	0.0240063	0.21631495	2.7483900	21	9 19.8	20.2
342763 2008 WD_{95}	16.4	X	298.19328	300.51762	160.46938	15.35804	0.0554789	0.22610614	2.6684627	21	12 4.9	20.1
342764 Alantitus	16.9	X	4.11661	290.72920	93.86028	7.13049	0.1606161	0.22914438	2.6448228	21	12 11.7	19.9
342765 2008 WB_{97}	17.3	X	141.51794	236.80821	106.38287	5.81448	0.1569937	0.25341019	2.4731664	21	—	—
342766 2008 WC_{97}	15.4	X	330.57806	135.69401	273.02995	13.84278	0.1191411	0.22706612	2.6609364	21	11 8.0	18.6
342767 2008 WU_{97}	16.9	X	83.98995	245.81002	108.91086	9.86478	0.2783764	0.24498063	2.5295788	21	—	—
342768 2008 WL_{98}	16.0	X	297.07024	157.08455	338.43241	7.47432	0.1504450	0.23466686	2.6031641	21	—	—
342769 2008 WS_{98}	16.3	X	14.62165	67.87909	301.98950	3.20681	0.1105462	0.22857318	2.6492272	21	11 30.9	19.6
342770 2008 WV_{98}	16.1	X	57.98454	224.65469	80.79704	5.18758	0.0824183	0.22334684	2.6903958	21	11 3.8	19.6
342771 2008 WH_{101}	16.7	X	347.11204	19.45543	75.03313	13.25307	0.1560835	0.23567099	2.5957646	21	—	—
342772 2008 WK_{101}	16.6	X	311.91516	295.49712	76.84368	10.77067	0.1851162	0.21410648	2.7672571	21	8 11.2	19.8
342773 2008 WM_{101}	15.8	X	65.37384	34.28020	324.25372	8.74407	0.0804120	0.23793769	2.5792527	21	—	—
342774 2008 WP_{101}	16.9	X	32.89856	295.71711	98.55499	5.85595	0.3305614	0.23862301	2.5743119	21	—	—
342775 2008 WO_{102}	16.8	X	20.15166	240.31104	121.42632	13.87550	0.3078192	0.23218700	2.6216665	21	12 30.9	20.1
342776 2008 WN_{103}	17.2	X	107.72446	252.13827	47.20635	3.39001	0.0730872	0.23196396	2.6233468	21	12 22.8	20.9
342777 2008 WH_{106}	16.9	X	297.58004	48.14649	13.00408	4.75198	0.0922333	0.22039213	2.7143884	21	10 4.5	20.0
342778 2008 WN_{107}	16.5	X	98.22152	315.38405	300.58092	4.16904	0.0565369	0.21994164	2.7180936	21	10 13.4	20.3
342779 2008 WG_{108}	16.4	X	332.77242	99.03170	30.92767	7.67932	0.1545323	0.24072785	2.5592841	21	—	—
342780 2008 WN_{109}	17.2	X	290.02075	126.68425	278.87764	3.28998	0.0628164	0.21470271	2.7621316	21	9 3.7	20.7
342781 2008 WO_{109}	16.9	X	246.25939	175.23120	31.02128	2.58999	0.0507838	0.23895492	2.5719275	21	—	—
342782 2008 WT_{110}	16.6	X	50.12351	261.76388	59.27104	3.15486	0.0559230	0.22370638	2.6875124	21	11 8.6	20.1
342783 2008 WE_{113}	17.4	X	31.25875	85.52195	260.33793	0.88481	0.0536515	0.22431266	2.6826675	21	11 14.8	20.7
342784 2008 WW_{113}	16.2	X	240.20253	151.49795	253.56851	9.62838	0.0632167	0.20333043	2.8641854	21	6 29.5	20.3
342785 2008 WG_{114}	17.2	X	285.97265	281.07672	221.74399	0.42203	0.0938510	0.23175039	2.6249582	21	—	—
342786 2008 WR_{117}	16.7	X	52.53461	254.81946	73.33863	3.93648	0.1457541	0.22804179	2.6533411	21	12 4.3	20.2
342787 2008 WA_{120}	16.1	X	341.33247	85.10645	255.49672	10.88068	0.1580333	0.21459451	2.7630600	21	8 16.3	19.2
342788 2008 WL_{120}	16.0	X	312.07026	196.45103	271.34647	12.82963	0.1976538	0.22756265	2.6570643	21	12 27.3	18.3
342789 2008 WH_{122}	16.3	X	68.98819	7.67281	321.90366	9.29194	0.2103889	0.23685419	2.5871126	21	—	—
342790 2008 WW_{122}	16.1	X	80.70999	235.76729	62.36478	13.68240	0.2612007	0.22944637	2.6425016	21	12 8.9	20.5
342791 2008 WJ_{125}	16.1	X	229.33506	195.64961	269.17077	10.07502	0.2189372	0.20956244	2.8071164	21	8 13.9	20.9
342792 2008 WT_{126}	16.3	X	136.12860	319.47755	153.96740	3.15193	0.1152923	0.18288831	3.0738223	21	6 4.2	21.1
342793 2008 WR_{129}	16.7	X	14.91882	302.64783	69.96365	7.07017	0.0422474	0.22590886	2.6700161	21	11 26.4	20.0
342794 2008 WA_{134}	16.3	X	302.51414	53.12660	65.35481	14.17921	0.1038135	0.23012612	2.6372954	21	12 29.4	19.4
342795 2008 WJ_{134}	16.2	X	111.96357	73.65696	125.74351	5.97951	0.0538233	0.20882038	2.8137626	21	8 19.7	20.1
342796 2008 WD_{135}	16.1	X	82.05038	261.58839	74.45456	9.65399	0.2053807	0.23701944	2.5859100	21	—	—
342797 2008 WU_{135}	17.1	X	352.86568	206.41787	221.68828	3.33707	0.1357751	0.23235375	2.6204121	21	—	—
342798 2008 WW_{135}	16.1	X	187.41475	273.45612	254.80933	11.28166	0.1407073	0.21190202	2.7864162	21	9 26.5	20.8
342799 2008 WV_{136}	16.7	X	330.79439	67.63400	354.67207	4.81636	0.1216837	0.22620180	2.6677104	21	11 28.9	19.7
342800 2008 WO_{137}	15.9	X	287.63811	278.66741	78.11087	7.43199	0.0453354	0.19905781	2.9050252	21	6 30.3	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342801 2008 WH_{139}	16.8	X	280.38084	20.75531	97.40433	12.31075	0.1598687	0.22407662	2.6845512	21	11 18.6	20.1
342802 2008 WQ_{139}	15.4	X	164.30298	282.26930	134.37840	27.23195	0.1110042	0.17778951	3.1323140	21	5 3.5	20.8
342803 2008 WH_{140}	15.7	X	31.80542	22.85651	16.77596	15.04961	0.1087966	0.23784773	2.5799030	21	—	—
342804 2008 WX_{140}	16.5	X	72.08254	191.50861	151.74341	10.03935	0.2607092	0.23842467	2.5757394	21	—	—
342805 2008 WO_{141}	15.9	X	246.82037	263.36756	220.49998	12.51641	0.1554521	0.21987119	2.7186742	21	10 5.1	19.8
342806 2008 WU_{141}	16.9	X	205.46222	216.98755	269.59508	0.74719	0.1775625	0.20970317	2.8058603	21	8 25.8	21.3
342807 2008 XO_{1}	15.9	X	305.52730	351.84992	72.95731	16.61692	0.0899443	0.22066415	2.7121572	21	10 29.2	19.4
342808 2008 XV_{1}	15.6	X	317.32861	306.42602	98.65945	16.18065	0.0573796	0.21977561	2.7194624	21	10 24.8	19.4
342809 2008 XK_{3}	16.3	X	267.43551	130.18097	321.24060	12.15278	0.2249035	0.21589835	2.7519244	21	9 6.8	20.1
342810 2008 XQ_{3}	16.9	X	0.04216	31.92741	22.24986	2.87446	0.1610472	0.23194395	2.6234976	21	—	—
342811 2008 XW_{3}	16.2	X	248.28408	188.93595	287.43587	4.79749	0.0090832	0.22023626	2.7156690	21	10 18.5	20.0
342812 2008 XR_{4}	16.5	X	348.29349	86.81795	49.45452	6.95772	0.1791374	0.24242065	2.5473560	21	—	—
342813 2008 XE_{6}	16.5	X	57.78073	349.49782	18.38469	7.24778	0.1764510	0.23708173	2.5854571	21	—	—
342814 2008 XR_{6}	16.2	X	325.43510	348.53770	55.21411	10.06131	0.3129737	0.22116709	2.7080439	21	10 16.8	17.9
342815 2008 XU_{6}	16.5	X	57.18543	275.79936	96.68577	5.63789	0.1122367	0.23590814	2.5940246	21	—	—
342816 2008 XV_{6}	16.4	X	23.69401	286.64095	155.83919	5.68086	0.0442070	0.24129615	2.5552640	21	—	—
342817 2008 XQ_{8}	17.0	X	305.63317	235.84829	189.95383	6.11201	0.0504446	0.22237361	2.6982398	21	10 28.5	20.3
342818 2008 XD_{14}	16.9	X	274.02259	203.34055	264.84643	6.06315	0.1920392	0.22311691	2.6922438	21	10 14.9	20.3
342819 2008 XJ_{16}	16.3	X	37.65943	299.84536	89.62293	6.68872	0.1362106	0.23538044	2.5979002	21	—	—
342820 2008 XP_{16}	16.3	X	50.24032	66.25791	248.35422	13.19470	0.1750357	0.22318868	2.6916666	21	11 17.2	19.9
342821 2008 XQ_{20}	16.2	X	200.87152	49.52885	85.47216	16.08837	0.0947443	0.20588779	2.8404184	21	9 14.2	20.8
342822 2008 XO_{21}	15.6	X	232.84103	202.96819	273.40757	11.35472	0.0900371	0.21091917	2.7950657	21	9 12.6	20.0
342823 2008 XQ_{29}	17.5	X	324.30380	133.24487	330.47452	2.62594	0.1238683	0.23431433	2.6057744	21	—	—
342824 2008 XB_{30}	16.1	X	187.11967	313.88415	213.52049	11.77091	0.0835234	0.21614973	2.7497904	21	10 1.5	20.4
342825 2008 XS_{30}	17.4	X	337.35447	234.43178	131.30128	1.70886	0.1246768	0.21944355	2.7222051	21	9 22.7	20.4
342826 2008 XE_{31}	16.6	X	337.29459	271.34518	46.43458	8.19711	0.2238332	0.21102222	2.7941557	21	7 3.9	19.4
342827 2008 XL_{35}	16.8	X	49.84660	238.78648	40.11871	5.18933	0.0927898	0.21372204	2.7705745	21	9 20.1	20.4
342828 2008 XP_{35}	17.1	X	21.70590	85.07530	277.45101	4.80512	0.1836008	0.22885787	2.6470297	21	12 13.1	20.1
342829 2008 XG_{36}	16.7	X	28.90212	249.04521	49.26591	6.16751	0.0458849	0.21267560	2.7796553	21	9 10.6	20.3
342830 2008 XQ_{36}	17.1	X	273.42912	47.39613	3.38249	1.92196	0.0721107	0.21161661	2.7889210	21	8 19.0	20.8
342831 2008 XG_{37}	16.7	X	2.18722	135.03047	285.44393	2.92528	0.0856177	0.23328800	2.6134114	21	—	—
342832 2008 XR_{38}	17.1	X	285.39016	335.20317	57.81047	5.66372	0.0442296	0.21000745	2.8031494	21	8 17.9	20.8
342833 2008 XJ_{40}	15.8	X	311.69134	332.47589	73.57471	12.29385	0.0477069	0.21705275	2.7421583	21	10 15.7	19.5
342834 2008 XQ_{42}	15.5	X	127.58090	200.46842	293.28215	8.29954	0.0166470	0.19301667	2.9653287	21	6 8.5	19.7
342835 2008 XX_{46}	15.6	X	82.88444	290.47302	198.04234	13.22749	0.2182830	0.17381311	3.1799066	21	5 8.4	20.0
342836 2008 XN_{47}	17.2	X	319.72223	138.86704	318.67097	3.28976	0.1611287	0.22739289	2.6583866	21	12 29.7	19.8
342837 2008 XA_{49}	16.9	X	311.37109	132.55975	297.07156	1.44996	0.0462356	0.21993407	2.7181560	21	11 9.1	20.4
342838 2008 XM_{49}	16.6	X	354.32737	58.52641	278.65537	5.46904	0.1566139	0.20879976	2.8139479	21	9 8.9	19.7
342839 2008 XD_{55}	16.1	X	321.29742	128.80151	283.13852	11.94460	0.1759586	0.22215879	2.6999790	21	10 19.7	19.1
342840 2008 XU_{55}	16.4	X	84.23469	11.85786	27.31377	5.27013	0.3007342	0.24328701	2.5413049	21	1 12.7	18.7
342841 2008 YG	17.0	X	2.26355	252.09977	158.76590	5.77426	0.3082222	0.23162737	2.6258876	21	—	—
342842 2008 YB_{3}	9.3	X	94.47290	330.43878	112.63947	105.05984	0.4416571	0.02500270	11.5827425	21	7 23.3	21.1
342843 Davidbowie	17.0	X	337.57267	299.14020	62.29495	2.76542	0.0885996	0.21609389	2.7502641	21	9 18.1	20.2
342844 2008 YA_{4}	16.8	X	306.30543	36.47891	0.51358	6.07991	0.0778472	0.20958138	2.8069472	21	9 15.9	20.2
342845 2008 YF_{4}	15.6	X	268.85147	283.73971	119.41983	15.74482	0.1539421	0.20485782	2.8499311	21	7 20.5	19.6
342846 2008 YV_{4}	16.3	X	276.33294	313.67917	91.32705	9.26148	0.2280557	0.21367796	2.7709556	21	7 22.4	20.2
342847 2008 YL_{5}	15.5	X	294.49919	258.15044	89.04824	12.23938	0.1022667	0.19969387	2.8988532	21	6 18.4	19.2
342848 2008 YQ_{5}	15.9	X	207.37770	205.28447	270.40330	9.83290	0.0916321	0.20324580	2.8649804	21	8 15.6	20.3
342849 2008 YF_{10}	16.3	X	15.25900	262.96755	78.26064	3.92985	0.0922618	0.22235458	2.6983938	21	10 23.0	19.5
342850 2008 YB_{11}	16.9	X	282.97354	327.35685	97.75372	3.12788	0.2108127	0.21636632	2.7479550	21	8 31.1	20.4
342851 2008 YV_{12}	17.1	X	15.31984	49.12519	325.18575	1.04730	0.2370106	0.22989818	2.6390383	21	12 27.9	20.1
342852 2008 YX_{12}	16.7	X	283.08740	84.77508	72.63418	3.21105	0.1389656	0.23310739	2.6147611	21	—	—
342853 2008 YA_{14}	16.3	X	73.95595	218.25610	78.87194	9.44242	0.1425361	0.22456962	2.6806208	21	11 20.6	20.2
342854 2008 YF_{14}	16.3	X	338.08780	319.61249	119.03883	7.30972	0.1299141	0.22692507	2.6620389	21	—	—
342855 2008 YL_{15}	16.7	X	340.44520	241.15088	133.89413	4.61617	0.1624383	0.21505136	2.7591454	21	10 12.8	19.5
342856 2008 YM_{15}	16.7	X	121.23462	359.47005	166.39587	1.97955	0.0495690	0.19476246	2.9475819	21	7 16.2	20.8
342857 2008 YN_{17}	16.6	X	252.60942	358.65908	111.67238	18.45680	0.0906544	0.21178866	2.7874104	21	10 14.8	20.9
342858 2008 YF_{18}	17.0	X	156.52644	70.70233	76.84315	1.00992	0.0901898	0.19711692	2.9240633	21	8 5.9	21.3
342859 2008 YF_{23}	16.9	X	257.20724	252.26866	212.61339	3.35861	0.2820586	0.21471772	2.7620029	21	9 6.5	21.0
342860 2008 YL_{23}	16.3	X	36.09072	110.19562	286.33081	16.18907	0.2008160	0.23425780	2.6061936	21	—	—
342861 2008 YF_{24}	16.1	X	310.33780	110.91179	25.39288	12.74833	0.1533512	0.23667565	2.5884135	21	—	—
342862 2008 YL_{27}	17.1	X	335.39096	325.32321	108.15181	7.52517	0.2389909	0.22915558	2.6447366	21	—	—
342863 2008 YO_{30}	15.9	X	37.53355	224.69299	359.45498	10.01736	0.0424084	0.18993219	2.9973468	21	6 9.5	20.1
342864 2008 YF_{32}	15.5	X	169.45458	325.37028	62.97310	7.02465	0.1044039	0.18353491	3.0665986	21	3 28.4	20.3
342865 2008 YN_{32}	16.6	X	343.81610	10.56286	71.32784	3.31896	0.1897616	0.22965509	2.6409003	21	—	—
342866 2008 YU_{32}	20.1	X	242.10930	83.94847	232.59962	3.41003	0.5956275	0.51711252	1.5372554	21	1 29.6	23.2
342867 2008 YP_{34}	15.4	X	142.42602	169.52890	281.99999	8.81876	0.0540036	0.18445089	3.0564377	21	5 6.1	19.9
342868 2008 YJ_{35}	16.2	X	75.73916	68.16191	112.61776	13.08769	0.0667874	0.18622518	3.0369929	21	6 11.8	20.4
342869 2008 YJ_{38}	16.5	X	284.52712	322.96406	111.86168	6.41849	0.0678099	0.21428225	2.7657436	21	10 9.3	20.1
342870 2008 YY_{38}	16.2	X	269.68298	324.98585	101.09620	14.85364	0.1813588	0.21011975	2.8021506	21	8 20.7	20.2
342871 2008 YE_{40}	15.9	X	66.96724	205.24831	83.37404	7.45780	0.0247112	0.21017800	2.8016328	21	10 16.5	19.8
342872 2008 YQ_{40}	15.2	X	342.00227	287.31671	322.20468	16.01337	0.0556322	0.17944611	3.1130064	21	4 17.2	19.7
342873 2008 YS_{40}	17.2	X	269.36988	76.56845	37.83357	3.48832	0.2377076	0.21609071	2.7502910	21	10 11.7	20.8
342874 2008 YP_{42}	16.0	X	109.93289	356.50501	266.47950	11.71535	0.1410692	0.22242871	2.6977942	21	11 12.4	20.3
342875 2008 YP_{49}	16.5	X	355.14573	290.25239	1.87442	2.89124	0.0602789	0.19320552	2.9633960	21	7 10.6	20.3
342876 2008 YG_{52}	16.1	X	334.63543	282.51939	322.66511	8.17225	0.0375102	0.17821197	3.1273619	21	4 7.9	20.4
342877 2008 YV_{52}	17.0	X	335.24214	322.10066	62.03123	3.34220	0.2160641	0.21502996	2.7593284	21	10 13.5	19.3
342878 2008 YP_{54}	16.4	X	135.34268	158.07725	355.95663	4.33944	0.1327279	0.19190714	2.9767473	21	7 26.2	21.0
342879 2008 YV_{54}	15.6	X	276.47530	15.87927	329.56323	10.47130	0.0983284	0.18914915	3.0056134	21	5 21.2	20.1
342880 2008 YX_{56}	17.1	X	348.84474	344.38143	38.58492	2.62297	0.0814494	0.21789183	2.7351139	21	11 3.5	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342881 2008 YC_{58}	17.3	X	311.82694	28.84221	48.76521	2.76874	0.0540919	0.22015429	2.7163430	21	11 20.1	20.7
342882 2008 YO_{58}	15.9	X	253.78027	27.56021	297.90311	9.46662	0.2527497	0.18722774	3.0261416	21	3 16.1	21.2
342883 2008 YG_{64}	16.7	X	281.65572	243.82165	191.30496	3.59388	0.0704006	0.21127031	2.7919678	21	10 1.4	20.4
342884 2008 YE_{71}	16.0	X	150.19062	357.94685	83.07248	6.93906	0.1323373	0.18460108	3.0547797	21	5 11.8	20.8
342885 2008 YK_{74}	16.3	X	260.90221	356.25358	58.65298	2.03900	0.0556544	0.20429579	2.8551556	21	8 10.2	20.2
342886 2008 YM_{83}	16.9	X	284.51589	341.67501	23.31018	2.08982	0.0827030	0.19955832	2.9001657	21	7 1.5	20.8
342887 2008 YT_{84}	15.5	X	159.43607	156.87350	274.02012	10.58864	0.1026374	0.18465097	3.0542294	21	5 2.7	20.4
342888 2008 YK_{85}	17.0	X	260.78692	183.59886	251.32032	2.38748	0.0676808	0.21312528	2.7757440	21	9 2.1	20.9
342889 2008 YM_{85}	16.8	X	359.00622	90.41733	264.95079	2.37202	0.1108740	0.22014892	2.7163872	21	10 14.7	19.8
342890 2008 YJ_{94}	16.2	X	347.79584	20.32057	278.89763	2.29472	0.1341630	0.19707568	2.9244713	21	7 5.3	19.2
342891 2008 YF_{95}	15.9	X	201.21462	254.38386	109.49200	12.06631	0.1588495	0.18229953	3.0804372	21	4 1.4	21.1
342892 2008 YG_{99}	16.7	X	285.76620	81.35389	287.49145	5.36650	0.0897615	0.19929974	2.9026737	21	7 7.1	20.4
342893 2008 YG_{100}	16.3	X	271.09929	55.66306	297.67249	10.98471	0.1961413	0.19493147	2.9458780	21	5 11.4	20.9
342894 2008 YP_{100}	16.0	X	252.27400	261.38481	120.10962	3.00985	0.1202559	0.19532301	2.9419398	21	6 7.6	20.3
342895 2008 YT_{100}	15.7	X	149.14010	139.08639	298.82661	8.26391	0.0480338	0.18269309	3.0760116	21	4 25.2	20.4
342896 2008 YW_{101}	17.0	X	262.50970	314.54821	140.58054	2.94525	0.0436791	0.21149491	2.7899908	21	10 6.8	20.7
342897 2008 YM_{107}	16.0	X	168.21400	304.55013	117.81809	5.63369	0.0676587	0.18305295	3.0719789	21	5 4.5	20.7
342898 2008 YZ_{110}	16.4	X	17.52141	244.58028	63.99698	4.76260	0.0917806	0.21316147	2.7754298	21	9 11.8	19.8
342899 2008 YW_{113}	16.0	X	267.13461	289.32609	92.72423	3.19625	0.0751994	0.19936130	2.9020762	21	7 2.0	20.1
342900 2008 YZ_{117}	15.8	X	257.14464	49.61241	310.83662	8.92477	0.1251984	0.19126770	2.9833781	21	5 14.1	20.5
342901 2008 YO_{120}	16.2	X	246.39890	55.73521	319.68812	5.42231	0.0207216	0.19190074	2.9768135	21	6 3.9	20.5
342902 2008 YM_{121}	16.1	X	170.78856	262.33653	88.39177	6.87690	0.2109862	0.25334912	2.4735638	21	2 9.7	20.1
342903 2008 YP_{123}	15.4	X	271.73720	290.97779	117.29819	15.98321	0.1387738	0.20623082	2.8372679	21	8 2.9	19.3
342904 2008 YL_{125}	16.2	X	219.84462	129.88681	299.41636	7.10382	0.0118476	0.19608213	2.9343418	21	7 12.4	20.3
342905 2008 YP_{126}	16.0	X	4.62483	106.43052	101.60570	6.16947	0.0522732	0.17748077	3.1359455	21	4 8.4	20.2
342906 2008 YE_{127}	16.5	X	331.84621	278.40804	82.08717	3.20322	0.0921528	0.20697943	2.8304225	21	9 6.3	19.8
342907 2008 YN_{127}	16.3	X	22.60826	252.64611	303.07468	2.62366	0.1345214	0.17519431	3.1631713	21	4 16.1	19.9
342908 2008 YP_{133}	16.3	X	345.02122	325.14282	129.33343	16.76794	0.1333920	0.23042705	2.6349987	21	—	—
342909 2008 YK_{134}	17.1	X	298.24021	294.33090	99.26420	1.87223	0.0768690	0.21390899	2.7689600	21	8 30.9	20.6
342910 2008 YM_{146}	16.3	X	283.89638	321.22831	128.00551	5.26812	0.1087033	0.21384786	2.7694877	21	10 20.8	19.8
342911 2008 YG_{149}	16.3	X	231.28240	348.41800	98.28085	3.32665	0.0304171	0.20438690	2.8543070	21	8 17.7	20.2
342912 2008 YZ_{151}	15.5	X	230.39266	228.36845	134.81554	10.30949	0.0886548	0.18376813	3.0640034	21	4 29.3	20.3
342913 2008 YM_{153}	16.5	X	320.61610	45.14562	293.25023	1.06087	0.1538176	0.20069803	2.8891759	21	7 9.4	19.8
342914 2008 YT_{153}	16.2	X	20.29391	343.72804	69.40786	16.32340	0.2265332	0.23318962	2.6141464	21	—	—
342915 2008 YA_{154}	16.1	X	207.36238	264.21942	96.48573	5.27961	0.1322157	0.17876226	3.1209405	21	3 31.8	21.1
342916 2008 YN_{155}	16.6	X	40.97535	112.34306	114.02199	3.87712	0.0903017	0.18610709	3.0382775	21	6 23.9	20.5
342917 2008 YA_{156}	15.8	X	161.69307	188.43180	250.41181	8.52315	0.1222755	0.18649595	3.0340527	21	5 17.9	20.5
342918 2008 YP_{156}	16.8	X	268.52387	134.80112	260.16399	5.08560	0.0723592	0.19958062	2.8999497	21	7 20.3	20.8
342919 2008 YY_{156}	16.0	X	315.54730	294.16857	100.28091	9.08502	0.1227687	0.21766845	2.7369849	21	9 28.5	19.2
342920 2008 YW_{157}	15.4	X	219.39970	214.59663	136.63509	9.95673	0.0768402	0.17859698	3.1228657	21	4 3.9	20.2
342921 2008 YM_{158}	15.8	X	216.00682	54.22191	318.93232	15.06176	0.1187352	0.18101820	3.0949565	21	4 13.5	21.0
342922 2008 YE_{167}	15.8	X	280.27859	244.71217	264.42099	12.08648	0.1220507	0.22843404	2.6503028	21	12 31.8	19.0
342923 2008 YN_{168}	15.6	X	225.34843	330.66210	80.67785	11.46094	0.0792631	0.19449611	2.9502723	21	6 19.1	19.9
342924 2008 YT_{168}	15.7	X	168.58255	118.28009	296.45899	7.17953	0.0998452	0.18445140	3.0564321	21	4 21.5	20.6
342925 2008 YO_{169}	16.2	X	265.02251	221.52156	153.39109	4.40726	0.0427669	0.19346812	2.9607139	21	6 24.7	20.4
342926 2008 YX_{169}	16.2	X	268.84813	81.02983	21.14177	9.34790	0.1267232	0.21570720	2.7535499	21	10 11.7	19.8
342927 2008 YA_{171}	15.9	X	94.86291	78.51762	101.43272	12.41371	0.0745499	0.18921642	3.0049010	21	7 5.4	19.9
342928 2008 YJ_{171}	16.2	X	264.91348	275.94011	165.34748	9.43618	0.2088640	0.20966743	2.8061792	21	8 26.1	20.1
342929 2008 YW_{171}	16.9	X	281.22048	135.18178	245.83722	1.06142	0.0721155	0.19851907	2.9102785	21	7 19.6	20.8
342930 2009 AV_{1}	16.8	X	341.08320	213.36518	218.25989	6.97373	0.2788515	0.23017180	2.6369464	21	—	—
342931 2009 AF_{12}	16.0	X	99.66843	157.33911	304.08674	6.81785	0.0257769	0.17653804	3.1470998	21	3 23.7	20.6
342932 2009 AY_{18}	16.1	X	277.15881	297.53937	112.33603	8.21439	0.0675597	0.20534647	2.8454080	21	8 24.8	19.9
342933 2009 AH_{21}	16.5	X	32.43748	272.68305	85.88148	7.24579	0.0729724	0.22282175	2.6946208	21	12 5.7	19.9
342934 2009 AR_{21}	16.9	X	306.38625	118.40948	293.73660	3.77424	0.1591234	0.21631607	2.7483805	21	9 25.3	19.9
342935 2009 AV_{21}	16.7	X	12.15578	49.08081	224.74459	2.18480	0.0057848	0.19620830	2.9330837	21	7 8.9	20.7
342936 2009 AS_{22}	17.3	X	270.39975	244.35601	192.58710	1.97408	0.0643370	0.21028917	2.8006453	21	9 18.9	21.0
342937 2009 AJ_{23}	16.2	X	338.36237	236.74896	112.37614	13.17820	0.0720600	0.20592529	2.8400736	21	9 4.6	19.9
342938 2009 AX_{23}	16.0	X	311.63822	27.48937	282.26396	7.63201	0.0761144	0.18906894	3.0064634	21	5 27.3	20.0
342939 2009 AA_{24}	16.6	X	336.87140	270.20779	131.36416	5.68140	0.0901771	0.21669481	2.7451771	21	11 11.7	19.9
342940 2009 AH_{24}	16.3	X	319.63739	241.21636	135.59414	8.84179	0.3040185	0.21282228	2.7783779	21	8 10.7	18.7
342941 2009 AU_{30}	16.7	X	313.80290	234.07601	106.10085	3.13854	0.0833504	0.20081884	2.8880170	21	7 10.0	20.3
342942 2009 AY_{31}	16.1	X	37.90334	139.10823	304.56749	14.03595	0.1248673	0.23897847	2.5717586	21	—	—
342943 2009 AO_{32}	16.0	X	173.70040	147.77996	310.83255	8.90191	0.0640630	0.19031761	2.9932988	21	6 22.9	20.6
342944 2009 AX_{32}	16.7	X	145.92296	200.06999	315.02910	3.45982	0.1470091	0.19364926	2.9588672	21	8 6.6	21.3
342945 2009 AK_{35}	16.9	X	143.82845	124.96578	307.93530	1.32015	0.0523787	0.18033748	3.1027401	21	4 16.4	21.3
342946 2009 AY_{36}	16.1	X	27.83332	273.48740	88.43700	7.36544	0.0488886	0.22158881	2.7046070	21	11 30.6	19.7
342947 2009 AS_{37}	16.5	X	220.41515	169.29987	222.61578	0.64378	0.0666053	0.18912913	3.0058255	21	5 21.3	20.9
342948 2009 AZ_{37}	17.1	X	187.27281	298.80648	147.72299	0.92370	0.0445054	0.19247267	2.9709135	21	6 22.5	21.5
342949 2009 AQ_{38}	16.1	X	85.08682	7.74306	134.70240	6.75083	0.0832646	0.18126622	3.0921327	21	5 9.3	20.4
342950 2009 AD_{39}	16.7	X	307.87458	122.10994	269.05825	3.11845	0.1114046	0.20882017	2.8137645	21	9 4.1	20.0
342951 2009 AE_{44}	16.4	X	156.87013	304.72086	147.58008	7.59858	0.0561771	0.18420276	3.0591818	21	5 27.9	21.0
342952 2009 AD_{45}	16.2	X	188.39021	223.34448	129.40668	2.45068	0.0695891	0.17017210	3.2251047	21	3 2.8	21.1
342953 2009 AE_{47}	15.8	X	96.10474	27.22130	145.59430	9.82483	0.0286118	0.18922285	3.0048329	21	6 21.5	20.1
342954 2009 AS_{48}	15.6	X	130.91325	179.25159	288.79627	8.22920	0.0569709	0.18212854	3.0823649	21	5 14.3	20.2
342955 2009 AN_{49}	16.0	X	58.65601	56.02245	149.91537	10.05099	0.0854077	0.18657001	3.0332497	21	6 22.8	20.2
342956 2009 AX_{49}	15.6	X	116.29711	167.61072	308.26704	10.17693	0.0480555	0.18038531	3.1021915	21	5 3.6	20.3
342957 2009 BH	15.2	X	1.44407	167.35844	294.34245	32.47035	0.1534936	0.23127634	2.6285439	21	—	—
342958 2009 BL	15.7	X	92.06963	145.17372	319.41572	4.70116	0.1292485	0.17496103	3.1659824	21	4 3.3	20.2
342959 2009 BM	16.0	X	112.65966	171.91391	319.22313	7.34198	0.1342895	0.18408037	3.0605377	21	6 1.3	20.6
342960 2009 BP	16.5	X	276.22206	310.81411	53.90857	6.70317	0.0910205	0.19645655	2.9306124	21	6 18.3	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
342961 2009 BB_{1}	16.7	X	274.22364	310.62626	109.19279	5.38277	0.0949606	0.20849868	2.8166562	21	8 29.8	20.4
342962 2009 BU_{6}	16.0	X	89.50362	259.15216	262.73751	6.90784	0.1907609	0.18317675	3.0705947	21	6 22.0	20.4
342963 2009 BY_{6}	15.7	X	113.90654	293.17545	147.19467	14.72218	0.2247441	0.17673472	3.1447646	21	4 17.9	20.7
342964 2009 BF_{7}	16.0	X	96.33822	244.77444	258.23253	7.07750	0.1717960	0.18349012	3.0670975	21	6 3.4	20.5
342965 2009 BG_{8}	15.8	X	128.42806	183.34046	288.67764	16.12928	0.1546374	0.18599071	3.0395447	21	5 27.5	20.7
342966 2009 BA_{10}	16.1	X	157.79417	160.13702	297.35597	8.99073	0.0760538	0.18892096	3.0080332	21	6 3.3	20.8
342967 2009 BT_{10}	16.5	X	208.98616	167.61377	263.18507	5.54023	0.2232951	0.19604204	2.9347418	21	6 19.1	21.5
342968 2009 BQ_{13}	16.8	X	216.99278	86.26799	9.94633	3.76353	0.1536837	0.19763576	2.9189436	21	8 1.6	21.5
342969 2009 BK_{15}	16.5	X	33.84835	78.75606	270.61222	3.78195	0.1229382	0.22029276	2.7152047	21	12 2.1	19.8
342970 2009 BY_{16}	15.8	X	155.71215	316.80788	146.81509	10.87720	0.0382617	0.18320528	3.0702758	21	6 8.7	20.4
342971 2009 BX_{21}	16.8	X	149.48138	147.45965	2.31019	1.46725	0.0251121	0.19695908	2.9256253	21	7 28.6	20.9
342972 2009 BE_{24}	15.7	X	70.72057	197.75101	334.24677	12.46863	0.0458364	0.18054182	3.1003984	21	5 16.1	20.2
342973 2009 BH_{24}	16.2	X	156.51546	7.84797	82.73261	5.20824	0.1209481	0.18432169	3.0578658	21	5 28.0	20.9
342974 2009 BW_{25}	16.4	X	53.53868	259.81547	335.80696	5.56474	0.0930207	0.19222469	2.9734680	21	7 26.9	20.2
342975 2009 BV_{27}	17.0	X	340.75930	37.79124	6.12077	4.08499	0.1724092	0.21936364	2.7228661	21	11 21.9	19.8
342976 2009 BO_{36}	15.5	X	215.86848	220.32814	115.42159	11.14571	0.0384693	0.17080605	3.2171196	21	3 15.5	20.4
342977 2009 BU_{39}	15.7	X	175.29010	98.84491	330.17466	10.01857	0.0708065	0.18340227	3.0680769	21	5 15.1	20.6
342978 2009 BQ_{40}	16.1	X	144.07689	141.78275	324.93887	14.52683	0.1954595	0.18550136	3.0448879	21	6 8.4	21.3
342979 2009 BK_{42}	16.7	X	265.38504	77.95958	355.10524	1.65363	0.0714534	0.20398800	2.8580268	21	9 5.9	20.5
342980 2009 BN_{42}	15.7	X	254.31558	196.45121	134.50923	10.00968	0.0170960	0.17766292	3.1338018	21	4 24.4	20.3
342981 2009 BJ_{43}	16.7	X	152.37820	115.19969	8.56601	2.25469	0.0820518	0.18891499	3.0080965	21	7 1.7	21.3
342982 2009 BV_{45}	15.5	X	89.68574	177.38019	307.66607	8.27272	0.0484215	0.17445309	3.1721248	21	4 12.1	20.1
342983 2009 BN_{46}	16.2	X	212.17180	242.92562	153.55081	13.52923	0.0270957	0.18200782	3.0837276	21	5 23.5	20.9
342984 2009 BM_{47}	16.2	X	87.19026	293.41360	174.08939	1.36174	0.0914321	0.17018216	3.2249775	21	3 29.2	20.5
342985 2009 BY_{48}	16.0	X	213.37123	320.34415	127.48234	12.36029	0.0606213	0.19683999	2.9268053	21	7 23.7	20.4
342986 2009 BN_{49}	16.8	X	263.48193	100.46282	359.45121	0.95978	0.0299817	0.21018571	2.8015643	21	10 14.7	20.4
342987 2009 BL_{50}	16.2	X	279.58338	340.21566	120.03847	6.10807	0.1308824	0.21474905	2.7617342	21	10 26.4	19.7
342988 2009 BT_{51}	15.8	X	255.99414	324.14388	316.89258	8.92315	0.0491915	0.16755151	3.2586458	21	2 17.5	20.5
342989 2009 BL_{52}	15.6	X	114.30728	124.65346	336.10692	15.85676	0.1044958	0.17455386	3.1709038	21	4 16.4	20.5
342990 2009 BP_{54}	16.7	X	268.33474	22.97376	25.71636	2.17245	0.0620524	0.19985225	2.8973215	21	8 10.6	20.7
342991 2009 BU_{54}	15.9	X	96.47067	103.46217	336.82270	7.00624	0.0604631	0.16878807	3.2427108	21	3 2.9	20.4
342992 2009 BA_{58}	16.6	X	147.22217	358.16336	110.63730	2.86765	0.1918320	0.18477100	3.0529066	21	6 14.3	21.7
342993 2009 BW_{60}	16.4	X	327.77755	118.93638	304.38477	9.97679	0.1455437	0.22124831	2.7073812	21	11 22.7	19.4
342994 2009 BC_{62}	16.1	X	295.03466	163.26927	138.88092	10.88409	0.0633300	0.17990074	3.1077595	21	5 2.4	20.6
342995 2009 BB_{65}	16.0	X	167.26990	91.13884	323.45631	8.31466	0.0953517	0.17905575	3.1175292	21	4 19.5	20.9
342996 2009 BN_{68}	16.7	X	283.41279	7.64054	112.01012	2.96725	0.1436054	0.22047406	2.7137160	21	11 24.0	19.7
342997 2009 BB_{69}	16.7	X	213.58572	289.16282	143.81953	3.33082	0.1179542	0.19298374	2.9656660	21	7 1.1	21.3
342998 2009 BF_{71}	15.9	X	159.32165	260.24463	225.10475	3.07003	0.1191335	0.19232779	2.9724052	21	7 11.9	20.6
342999 2009 BP_{72}	16.7	X	109.72006	331.42366	163.22135	5.83993	0.0956558	0.18322782	3.0700240	21	5 30.6	21.2
343000 Ljontichy	15.7	X	242.46667	88.79824	301.20322	9.08175	0.0403777	0.19270349	2.9685406	21	6 16.4	19.9
343001 2009 BH_{75}	15.8	X	208.27892	143.94480	290.67702	10.45716	0.0606664	0.19152684	2.9806864	21	7 1.5	20.2
343002 2009 BL_{76}	15.7	X	19.76205	304.26479	128.09039	13.79019	0.1572778	0.22952768	2.6418775	21	—	—
343003 2009 BB_{78}	15.6	X	138.46359	259.97041	145.92091	11.07418	0.0230925	0.17105288	3.2140241	21	3 8.3	20.1
343004 2009 BD_{78}	15.6	X	270.26884	47.02974	276.87909	15.44833	0.0793470	0.18444388	3.0565152	21	4 16.1	20.3
343005 2009 BB_{81}	15.8	X	243.87635	32.55543	7.37952	14.36644	0.1087089	0.19187347	2.9770955	21	6 22.7	20.5
343006 2009 BO_{83}	15.8	X	50.33061	323.96906	221.58869	4.39500	0.0147627	0.17598714	3.1536641	21	5 7.4	20.0
343007 2009 BW_{84}	15.7	X	200.52501	245.43136	138.82599	10.60411	0.0373349	0.18058454	3.0999095	21	4 25.1	20.4
343008 2009 BV_{86}	16.3	X	359.52029	263.87620	319.80823	10.41831	0.0305136	0.17725241	3.1386384	21	4 13.4	20.8
343009 2009 BL_{89}	15.8	X	190.38173	90.10043	307.77529	8.09147	0.0207132	0.17986698	3.1081484	21	4 22.3	20.4
343010 2009 BO_{89}	16.7	X	185.03808	281.52302	162.52843	1.40163	0.0791541	0.18979729	2.9987669	21	6 16.7	21.1
343011 2009 BR_{90}	15.8	X	235.69489	232.23995	138.37747	10.17312	0.1018095	0.18523140	3.0478457	21	5 12.3	20.6
343012 2009 BU_{91}	16.4	X	120.65429	333.57486	139.28061	1.60242	0.1741750	0.18146657	3.0898564	21	5 24.1	21.2
343013 2009 BM_{92}	16.9	X	236.16354	126.29855	317.78248	6.73429	0.1785833	0.20147044	2.8817867	21	8 2.6	21.4
343014 2009 BV_{92}	15.9	X	95.34877	42.53673	138.24130	9.95095	0.0554670	0.18760036	3.0221332	21	7 4.2	20.3
343015 2009 BU_{93}	16.1	X	201.53678	233.70947	147.31129	8.76633	0.1773168	0.18103501	3.0947650	21	4 19.1	21.3
343016 2009 BZ_{94}	15.6	X	250.84551	184.08902	141.99356	12.13311	0.0943872	0.17491861	3.1664943	21	4 6.1	20.5
343017 2009 BF_{95}	17.0	X	24.02471	278.36549	32.56439	2.04700	0.0397350	0.20574131	2.8417665	21	9 16.6	20.6
343018 2009 BB_{97}	15.2	X	358.76950	276.07827	318.41383	20.39857	0.0880070	0.18055999	3.1001905	21	4 17.3	19.6
343019 2009 BE_{100}	16.7	X	282.47958	348.22253	46.94340	2.63423	0.0972875	0.20344043	2.8631529	21	8 6.8	20.4
343020 2009 BH_{100}	16.6	X	62.27543	56.26614	158.29402	1.75719	0.1028948	0.18834085	3.0142067	21	7 11.4	20.6
343021 2009 BL_{108}	16.2	X	143.20628	109.13006	352.22213	9.10169	0.0708396	0.17957044	3.1115694	21	5 20.8	21.0
343022 2009 BC_{114}	17.0	X	228.47537	334.06407	90.41483	2.55832	0.1282679	0.19866244	2.9088782	21	7 5.2	21.3
343023 2009 BG_{115}	15.6	X	39.24680	189.74290	355.03284	9.16224	0.0548860	0.17573161	3.1567205	21	4 21.6	19.9
343024 2009 BY_{115}	15.9	X	172.15888	2.90528	344.08341	3.80647	0.1133982	0.16824588	3.2496737	21	2 10.3	20.9
343025 2009 BN_{120}	15.6	X	291.80809	322.39373	312.58626	11.30132	0.1282629	0.17343425	3.1845359	21	3 8.8	20.3
343026 2009 BV_{122}	15.9	X	194.27301	61.37187	328.77878	8.03637	0.1312949	0.17902304	3.1179090	21	4 17.4	21.0
343027 2009 BE_{126}	16.0	X	74.88666	226.56071	322.19132	10.21561	0.2104486	0.18193112	3.0845943	21	7 13.1	20.3
343028 2009 BJ_{128}	15.8	X	244.44467	347.61686	0.02300	10.52640	0.1213964	0.17871933	3.1214403	21	4 15.8	20.8
343029 2009 BZ_{128}	15.9	X	177.77652	57.67359	359.33862	10.69953	0.0642767	0.17961514	3.1110531	21	5 2.5	20.7
343030 2009 BH_{132}	15.3	X	317.95080	358.99433	272.45148	11.96974	0.1190400	0.18082029	3.0972144	21	4 6.1	19.6
343031 2009 BC_{135}	16.8	X	267.19538	291.05822	131.33406	3.00052	0.0514477	0.20260925	2.8709780	21	8 28.6	20.6
343032 2009 BG_{135}	17.0	X	191.61638	208.26177	232.99611	1.84185	0.0822392	0.19151842	2.9807737	21	6 20.1	21.5
343033 2009 BM_{136}	16.3	X	252.83149	242.63019	172.23579	1.73252	0.1416155	0.20036796	2.8923479	21	7 17.8	20.5
343034 2009 BP_{139}	16.1	X	292.03262	100.24820	308.09532	4.77597	0.0629218	0.20520774	2.8466903	21	9 9.2	19.9
343035 2009 BK_{140}	16.2	X	197.75680	77.94889	320.98744	3.63006	0.0854362	0.18273606	3.0755294	21	5 3.7	21.0
343036 2009 BZ_{140}	16.3	X	353.63296	260.19551	106.57808	10.36214	0.3019909	0.21765188	2.7371238	21	11 14.0	18.5
343037 2009 BF_{141}	16.8	X	215.08809	306.49397	118.00788	4.71445	0.1472443	0.19336217	2.9617953	21	6 20.5	21.5
343038 2009 BE_{142}	16.3	X	88.42471	88.78495	100.47122	3.84885	0.0651672	0.18775532	3.0204701	21	7 7.9	20.4
343039 2009 BQ_{146}	15.8	X	22.34593	270.97627	291.61045	4.16175	0.0709209	0.17215354	3.2003102	21	4 22.5	20.0
343040 2009 BC_{148}	15.9	X	94.25659	227.26595	315.09976	8.82464	0.0402256	0.18554370	3.0444248	21	7 3.7	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343041 2009 BK_{153}	15.9	X	342.49426	293.91287	317.62200	8.94008	0.0100962	0.18095238	3.0957070	21	4 28.5	20.3
343042 2009 BO_{156}	16.4	X	192.77109	248.37568	153.56381	1.82542	0.2030505	0.18162276	3.0880847	21	5 4.0	21.7
343043 2009 BT_{157}	17.2	X	171.40804	145.12911	344.50261	3.79241	0.1504851	0.19177636	2.9781004	21	7 30.9	22.0
343044 2009 BB_{158}	16.3	X	82.58071	17.41896	133.20467	2.49576	0.1504148	0.17594304	3.1541910	21	5 24.9	20.7
343045 2009 BV_{160}	16.6	X	84.89674	353.53883	163.26154	7.66173	0.0299071	0.18265593	3.0764288	21	5 19.1	20.9
343046 2009 BM_{162}	15.7	X	246.60743	202.55775	131.63369	10.28529	0.0700548	0.17504129	3.1650145	21	4 13.9	20.5
343047 2009 BA_{163}	16.4	X	87.27721	163.13404	346.68226	8.93400	0.0312061	0.18006710	3.1058452	21	5 8.2	20.8
343048 2009 BU_{166}	16.1	X	146.11195	88.15905	358.60207	9.83291	0.0833157	0.17745282	3.1362748	21	5 6.4	20.9
343049 2009 BJ_{170}	15.8	X	217.01327	21.47780	343.08799	8.61585	0.0868623	0.17542063	3.1604501	21	4 10.6	20.7
343050 2009 BF_{176}	16.4	X	274.72591	338.48127	52.67358	3.87947	0.0709902	0.19272606	2.9683089	21	7 25.5	20.4
343051 2009 BS_{177}	15.6	X	300.77038	273.07795	339.61320	13.31810	0.0451791	0.16847070	3.2467820	21	3 7.8	20.1
343052 2009 BS_{181}	15.8	X	117.60993	297.98079	184.99045	20.12087	0.1571367	0.17455130	3.1709348	21	6 2.0	21.0
343053 2009 BO_{182}	15.7	X	226.32152	232.61142	144.72975	9.47792	0.1252836	0.18900713	3.0071188	21	5 8.8	20.5
343054 2009 BJ_{187}	15.8	X	151.48751	105.78001	7.52752	11.13516	0.0905084	0.18536928	3.0463341	21	6 17.2	20.6
343055 2009 CD_{12}	15.7	X	269.90428	60.13556	313.76684	11.02664	0.1508718	0.19171382	2.9787480	21	6 14.3	20.2
343056 2009 CW_{14}	15.8	X	96.78153	152.39896	345.71470	9.14853	0.2118124	0.17754889	3.1351434	21	6 1.7	20.6
343057 Lucaravenni	15.7	X	135.15269	82.49186	55.37874	9.73783	0.0837076	0.18903873	3.0067837	21	6 30.4	20.3
343058 2009 CQ_{21}	15.8	X	308.84385	314.82788	307.78223	8.32945	0.0448763	0.17396382	3.1780697	21	3 26.4	20.4
343059 2009 CG_{22}	17.0	X	267.90083	240.15401	173.15130	2.06733	0.0613141	0.20016286	2.8943234	21	8 14.9	20.8
343060 2009 CJ_{23}	16.4	X	74.80054	355.59412	163.05752	6.10993	0.0739444	0.17906936	3.1173712	21	5 14.5	20.7
343061 2009 CM_{24}	15.9	X	66.15881	31.96991	149.28188	10.21496	0.0386380	0.18063708	3.0993083	21	5 27.6	20.3
343062 2009 CB_{25}	15.6	X	179.70831	84.54287	353.39302	10.06358	0.0651583	0.18372072	3.0645306	21	6 1.2	20.4
343063 2009 CN_{26}	16.0	X	212.34843	86.90245	341.63910	13.99414	0.1025710	0.19054782	2.9908873	21	6 26.7	20.8
343064 2009 CP_{28}	16.3	X	249.16884	307.85002	127.52598	5.95329	0.0884627	0.19923878	2.9032658	21	8 16.9	20.3
343065 2009 CU_{28}	15.8	X	135.22275	148.34674	337.71824	10.30258	0.0477079	0.18400946	3.0613239	21	6 11.4	20.4
343066 2009 CY_{30}	15.6	X	241.42103	214.06473	142.75074	11.62606	0.1381441	0.17827519	3.1266224	21	4 29.4	20.6
343067 2009 CT_{31}	16.7	X	209.86589	90.24610	34.78357	1.25919	0.0872572	0.19938603	2.9018363	21	9 3.9	20.9
343068 2009 CR_{35}	15.7	X	33.59636	127.61408	111.74365	12.19427	0.1755687	0.18510531	3.0492296	21	7 9.9	19.1
343069 2009 CN_{39}	15.1	X	96.38589	174.18097	329.40096	17.80829	0.0801366	0.17942135	3.1132928	21	5 16.9	19.9
343070 2009 CK_{49}	14.5	X	171.20705	202.50108	5.59405	11.14169	0.1667703	0.12512426	3.9589045	21	10 22.9	21.0
343071 2009 CF_{56}	16.4	X	330.16938	53.96260	93.50507	8.51193	0.1451654	0.23027780	2.6361372	21	—	—
343072 2009 CL_{56}	16.6	X	271.06307	146.58180	193.67887	1.51994	0.0918312	0.18597486	3.0397175	21	5 12.2	20.9
343073 2009 CA_{57}	15.6	X	157.13418	284.42777	187.37384	17.10849	0.1207826	0.18115156	3.0934373	21	6 22.9	20.8
343074 2009 CD_{58}	16.1	X	193.23741	219.69834	178.39696	9.90837	0.0873691	0.17717315	3.1395744	21	5 1.8	21.0
343075 2009 CR_{58}	16.3	X	170.74771	268.02287	156.93866	9.51681	0.0681774	0.17882269	3.1202374	21	5 11.3	21.1
343076 2009 CB_{59}	16.1	X	67.85983	173.80918	352.86428	7.16394	0.0709284	0.17740636	3.1368223	21	5 10.8	20.4
343077 2009 CG_{62}	15.8	X	163.27934	100.98500	309.14911	4.95185	0.0659205	0.17263202	3.1943941	21	4 10.3	20.6
343078 2009 CN_{63}	15.3	X	157.52268	309.22670	140.49326	16.59263	0.0395161	0.17978906	3.1090464	21	5 27.2	20.1
343079 2009 CQ_{63}	15.7	X	142.64246	83.08740	354.19321	11.37345	0.1983314	0.17428150	3.1742066	21	4 29.9	21.0
343080 2009 DH_{1}	16.5	X	206.76781	336.69480	114.67138	3.36377	0.0589373	0.19341242	2.9612823	21	7 20.9	20.8
343081 2009 DB_{4}	15.4	X	98.77401	320.48663	166.05630	28.18810	0.1695655	0.17970293	3.1100398	21	5 21.2	20.5
343082 2009 DT_{5}	15.4	X	202.05164	145.34845	227.17111	14.97206	0.0830612	0.17365885	3.1817894	21	4 5.6	20.5
343083 2009 DD_{9}	16.1	X	186.65196	127.13779	286.53725	4.09410	0.1424471	0.17885591	3.1198510	21	5 11.2	21.2
343084 2009 DQ_{9}	16.5	X	159.45963	124.82470	4.78024	9.47715	0.2227374	0.18992787	2.9973922	21	7 23.7	21.8
343085 2009 DC_{13}	15.9	X	179.81640	280.30311	200.58693	3.59792	0.1181473	0.18989688	2.9977183	21	7 26.2	20.6
343086 2009 DZ_{16}	15.6	X	140.63263	126.33841	349.17637	11.24978	0.1091272	0.18225915	3.0808922	21	6 9.3	20.5
343087 2009 DH_{17}	15.5	X	129.45813	166.45647	327.59867	9.25470	0.0782536	0.18330244	3.0691908	21	6 18.9	20.1
343088 2009 DK_{17}	16.0	X	100.90932	220.78519	323.50526	5.89900	0.0368534	0.18668490	3.0320051	21	7 14.1	20.3
343089 2009 DR_{17}	16.1	X	334.63747	112.84657	277.43877	11.56978	0.0938394	0.22074361	2.7115063	21	10 16.7	19.5
343090 2009 DO_{19}	16.0	X	137.72058	150.26395	11.85998	10.71521	0.1117949	0.19276076	2.9679526	21	8 9.3	20.7
343091 2009 DE_{23}	16.0	X	201.21524	326.03584	43.85491	2.51595	0.0907706	0.17116317	3.2126432	21	4 5.0	21.0
343092 2009 DX_{31}	16.0	X	166.70492	276.32891	164.19120	11.68533	0.1082217	0.17744819	3.1363293	21	5 27.4	21.1
343093 2009 DR_{35}	15.9	X	220.40241	261.39172	175.18615	7.68245	0.1836052	0.18913004	3.0058159	21	7 7.3	20.9
343094 2009 DT_{37}	16.5	X	138.09959	318.35087	142.03535	6.22052	0.1222004	0.18054763	3.1003319	21	5 22.9	21.3
343095 2009 DS_{40}	15.5	X	100.34609	173.49219	327.46404	16.99068	0.0313710	0.18069042	3.0986984	21	5 10.6	20.2
343096 2009 DH_{41}	16.0	X	104.80984	174.31133	316.97571	4.09422	0.1037064	0.18003239	3.1062443	21	5 19.5	20.5
343097 2009 DN_{41}	15.6	X	157.89006	73.87721	343.85010	8.70276	0.0869466	0.17648203	3.1477657	21	4 13.9	20.5
343098 2009 DV_{42}	18.7	X	52.47912	343.88985	117.00566	19.92967	0.2753666	0.48027086	1.6148985	21	—	—
343099 2009 DJ_{43}	15.6	X	116.69332	116.16438	345.66658	26.63768	0.1977216	0.17805739	3.1291716	21	4 24.9	20.9
343100 2009 DE_{57}	16.0	X	135.84755	6.27619	104.14068	2.26722	0.1423482	0.18032140	3.1029244	21	6 2.3	20.8
343101 2009 DD_{60}	15.9	X	95.71738	52.71099	13.08547	9.91093	0.0348728	0.15830131	3.3843846	21	2 15.2	20.7
343102 2009 DV_{62}	16.0	X	130.69099	96.07462	21.03703	6.93201	0.2039701	0.18052471	3.1005943	21	6 9.7	21.1
343103 2009 DJ_{63}	16.4	X	156.09768	125.08879	35.12324	6.04968	0.1717055	0.19178725	2.9779877	21	8 25.7	21.3
343104 2009 DV_{64}	16.2	X	112.56337	153.26153	353.81228	2.78437	0.2183598	0.18004070	3.1061487	21	7 1.8	21.1
343105 2009 DX_{64}	16.5	X	321.19592	306.40296	107.28760	10.92153	0.1944972	0.22281197	2.6946997	21	11 1.8	19.3
343106 2009 DT_{69}	16.1	X	147.59919	128.80569	340.54681	1.14237	0.0627954	0.18207864	3.0829280	21	6 6.6	20.5
343107 2009 DA_{75}	16.2	X	108.99392	10.68388	149.58242	7.77377	0.1157825	0.18306727	3.0718187	21	7 2.5	20.8
343108 2009 DS_{101}	15.8	X	115.96945	348.32529	131.86494	9.93273	0.0591554	0.17453171	3.1711721	21	5 17.5	20.5
343109 2009 DV_{110}	15.8	X	252.42533	138.08121	96.13791	15.93340	0.0769127	0.23182860	2.6243678	21	—	—
343110 2009 DV_{123}	15.9	X	114.18417	219.02186	253.53735	4.17171	0.1144829	0.17449397	3.1716294	21	5 9.3	20.5
343111 2009 DZ_{125}	16.5	X	157.75301	39.06847	63.21046	0.82495	0.1607578	0.18090748	3.0962193	21	6 14.2	21.6
343112 2009 DL_{126}	16.5	X	286.28440	277.47679	186.85810	10.04155	0.3072532	0.21533404	2.7567302	21	10 11.8	19.7
343113 2009 DB_{128}	16.0	X	179.30867	115.78984	316.56125	5.79121	0.1251813	0.18264340	3.0765694	21	5 26.6	20.9
343114 2009 DC_{129}	16.1	X	122.13891	322.24697	137.15430	8.46459	0.1488969	0.17412938	3.1760550	21	5 9.4	21.0
343115 2009 DR_{132}	15.8	X	143.14669	122.49915	327.73764	10.69155	0.0558833	0.17674959	3.1445881	21	5 3.9	20.7
343116 2009 DU_{132}	16.0	X	225.73937	58.93735	346.60460	8.55128	0.1346559	0.18805894	3.0172182	21	6 7.1	20.8
343117 2009 DF_{135}	15.8	X	336.15433	198.43587	61.99017	1.65963	0.1295541	0.17133115	3.2105430	21	4 24.9	19.9
343118 2009 DX_{136}	15.5	X	78.80753	305.73899	208.67200	26.28541	0.1852958	0.17329858	3.1861976	21	5 29.3	20.2
343119 2009 EM_{3}	16.0	X	276.33608	273.47515	158.42239	24.14780	0.2946692	0.21043001	2.7993955	21	8 14.9	19.9
343120 2009 EN_{13}	16.8	X	154.31093	118.20298	315.17261	2.44925	0.1811150	0.18206405	3.0830927	21	5 7.2	21.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343121 2009 EW_{13}	15.6	X	102.39580	57.11371	94.13935	6.11855	0.0845581	0.17868566	3.1218324	21	6 9.7	20.0
343122 2009 EH_{15}	16.2	X	176.84832	254.56644	155.44297	10.12796	0.1395886	0.17720602	3.1391861	21	5 2.0	21.4
343123 2009 EV_{16}	15.9	X	184.45563	237.81695	183.00185	11.02271	0.0947766	0.17967614	3.1103490	21	5 20.3	20.8
343124 2009 EA_{17}	16.1	X	76.58062	286.69132	200.17267	3.54752	0.0760726	0.16894717	3.2406747	21	4 6.0	20.3
343125 2009 EE_{17}	16.2	X	166.59650	347.69618	102.27227	7.00377	0.1519233	0.18458419	3.0549660	21	6 7.5	21.1
343126 2009 EQ_{19}	16.4	X	118.19320	336.43732	165.91886	1.74073	0.1146682	0.18447537	3.0561673	21	6 20.4	20.9
343127 2009 EG_{21}	15.5	X	136.58340	315.64080	140.84253	9.50140	0.1028423	0.17542139	3.1604410	21	5 16.3	20.4
343128 2009 EV_{21}	16.1	X	67.79220	353.95961	176.56153	10.76897	0.1560069	0.17691657	3.1426092	21	6 1.2	20.4
343129 2009 ER_{26}	14.8	X	35.52439	198.44855	340.64371	16.14545	0.2970413	0.16503509	3.2916870	21	4 28.4	18.4
343130 2009 EU_{29}	15.4	X	134.15039	103.22119	16.25711	14.65924	0.1548968	0.17705643	3.1409541	21	6 10.5	20.6
343131 2009 EM_{30}	15.4	X	35.50139	263.67998	296.71398	12.93373	0.1466975	0.17208272	3.2011882	21	5 14.6	19.5
343132 2009 FV	15.6	X	109.33993	146.05118	6.80948	4.82593	0.0804121	0.17956878	3.1115885	21	6 19.1	20.1
343133 2009 FY_{1}	15.8	X	162.03849	355.57605	108.90590	12.32305	0.0918489	0.18654947	3.0334724	21	6 18.8	20.5
343134 2009 FG_{5}	16.0	X	151.57970	262.62766	178.93140	7.21070	0.1904061	0.17720968	3.1391429	21	5 17.8	21.2
343135 2009 FS_{13}	15.6	X	180.56155	251.87070	184.10076	10.04450	0.0656222	0.18016741	3.1046923	21	6 2.9	20.4
343136 2009 FF_{24}	15.7	X	167.34283	129.88706	22.51508	12.83864	0.0641357	0.19477842	2.9474209	21	8 28.8	20.3
343137 2009 FA_{25}	15.5	X	75.00978	179.71386	24.65300	14.48901	0.1437073	0.18081050	3.0973262	21	7 26.5	20.1
343138 2009 FG_{32}	16.0	X	134.10950	55.00619	61.94754	9.84810	0.0509507	0.17456462	3.1707736	21	5 30.5	20.6
343139 2009 FE_{34}	15.2	X	308.69549	118.15645	155.17840	9.59243	0.0561036	0.16985437	3.2291254	21	4 14.6	19.7
343140 2009 FL_{35}	15.4	X	350.08506	166.22391	82.31259	3.73763	0.0313111	0.17430768	3.1738888	21	5 8.7	19.6
343141 2009 FB_{37}	16.0	X	165.18643	84.75149	42.91029	12.16262	0.1399579	0.18606119	3.0387771	21	7 24.5	21.1
343142 2009 FE_{40}	16.4	X	164.00343	72.86939	49.97918	8.25208	0.1720367	0.18582826	3.0413160	21	7 16.6	21.5
343143 2009 FP_{41}	15.7	X	141.50073	114.59670	31.62849	17.05962	0.0920017	0.18357687	3.0661312	21	7 23.1	20.7
343144 2009 FG_{42}	15.6	X	164.75840	49.62331	34.52927	14.54584	0.2310450	0.17928591	3.1148606	21	5 29.2	21.1
343145 2009 FO_{42}	15.6	X	135.97990	49.00365	44.65127	11.80324	0.1401526	0.17267606	3.1938508	21	5 12.2	20.6
343146 2009 FF_{55}	16.6	X	130.87691	41.49872	116.16285	4.42203	0.2115388	0.18409512	3.0603742	21	7 30.9	21.6
343147 2009 FU_{67}	16.0	X	160.82134	242.49649	189.60673	15.60887	0.1225190	0.17424178	3.1746889	21	5 11.9	21.1
343148 2009 FF_{69}	14.8	X	63.15688	309.32397	190.58578	21.27928	0.0952274	0.16160063	3.3381616	21	4 8.3	19.1
343149 2009 FC_{73}	16.0	X	134.52596	86.97132	35.77563	5.50252	0.1089314	0.18017059	3.1046558	21	6 12.6	20.8
343150 2009 FX_{73}	15.9	X	259.88022	111.58751	20.36889	25.43152	0.1689365	0.21125171	2.7921316	21	10 25.8	19.8
343151 2009 FR_{76}	15.4	X	120.62473	4.50090	56.14344	10.78221	0.0338653	0.15569971	3.4219803	21	3 12.6	20.4
343152 2009 FV_{76}	15.5	X	87.18009	339.27222	195.09523	16.34621	0.1503493	0.17899310	3.1182566	21	6 28.1	20.2
343153 2009 HY_{15}	15.5	X	163.50354	62.67494	60.79364	10.17726	0.0812227	0.18387883	3.0627736	21	7 14.1	20.3
343154 2009 HN_{18}	15.8	X	149.61164	305.56602	172.73895	10.58621	0.2850422	0.18354501	3.0664861	21	7 1.5	21.4
343155 2009 HY_{39}	15.8	X	139.59199	286.43367	155.33174	6.24273	0.0821435	0.16930619	3.2360917	21	4 29.1	20.6
343156 2009 HP_{66}	16.5	X	130.29525	295.46554	183.64022	16.17852	0.2296763	0.17880163	3.1204824	21	6 15.1	21.9
343157 Mindaugas	15.7	X	139.89326	96.05813	55.79903	17.90178	0.1743509	0.18146095	3.0899202	21	8 3.1	21.0
343158 2009 HC_{82}	16.2	X	54.94524	298.88028	295.40237	154.37123	0.8066210	0.24538140	2.5268238	21	5 5.1	19.7
343159 2009 JD_{17}	12.9	X	274.93608	244.87682	82.21170	17.41369	0.0740806	0.08215988	5.2403810	21	5 13.8	19.9
343160 2009 KS_{2}	14.6	X	162.18279	188.56437	63.89088	5.61580	0.0618589	0.12389715	3.9850016	21	12 5.6	20.5
343161 2009 KH_{3}	13.4	X	320.18964	136.25712	176.45047	26.16277	0.1915154	0.08235683	5.2320229	21	6 5.2	20.1
343162 2009 PY_{4}	17.5	X	141.00577	291.11450	323.34212	10.24212	0.0905843	0.34892774	1.9982311	21	12 24.9	20.1
343163 2009 QA	17.4	X	54.61718	284.50579	173.15782	22.54060	0.1143886	0.37253873	1.9128831	21	—	—
343164 2009 QQ_{48}	17.5	X	342.59732	64.55176	344.38743	19.57172	0.0653013	0.34216446	2.0244767	21	—	—
343165 2009 SK_{102}	17.2	X	276.79097	5.17648	229.51085	19.83945	0.0488720	0.36956468	1.9231319	21	—	—
343166 2009 SO_{103}	17.3	X	359.90846	304.65718	194.66676	29.48854	0.6642184	0.34761270	2.0032676	21	—	—
343167 2009 SW_{125}	17.7	X	253.18326	351.64211	338.32861	4.93342	0.2172159	0.30348181	2.1930453	21	3 16.6	21.3
343168 2009 SU_{158}	17.7	X	20.98489	280.32796	270.56082	3.17127	0.0931351	0.29448310	2.2374970	21	3 16.1	19.9
343169 2009 SW_{192}	17.9	X	222.08539	93.32407	212.27996	4.14391	0.1980739	0.29208240	2.2497407	21	1 20.6	21.6
343170 2009 SC_{199}	17.9	X	55.73868	227.76669	347.39096	6.68471	0.1246686	0.31124361	2.1564319	21	7 7.7	20.0
343171 2009 SQ_{208}	18.3	X	319.43481	5.69569	273.62398	1.08762	0.0847667	0.30552294	2.1832669	21	4 14.2	20.6
343172 2009 SX_{283}	17.9	X	267.65754	148.66294	160.90981	6.53691	0.2182123	0.30346933	2.1931054	21	3 4.7	21.3
343173 2009 SQ_{326}	17.8	X	227.58608	288.44404	69.33090	6.01960	0.2082054	0.29670507	2.2263122	21	4 3.5	21.4
343174 2009 SH_{333}	12.4	X	348.77205	148.63990	240.55144	24.99806	0.0176420	0.08176969	5.2570385	21	10 16.8	19.4
343175 2009 ST_{338}	17.7	X	245.65621	302.57084	39.36179	7.56708	0.2159605	0.30174582	2.2014485	21	3 28.9	21.1
343176 2009 SZ_{339}	16.9	X	346.85728	342.84891	234.62206	9.99671	0.0772100	0.28509864	2.2863319	21	2 25.1	19.6
343177 2009 TB_{25}	16.7	X	223.48673	272.31651	33.74604	24.69247	0.1771229	0.28922697	2.2645236	21	2 2.7	20.9
343178 2009 TG_{36}	17.4	X	246.22583	281.37091	44.19953	7.37388	0.1911346	0.29805026	2.2196085	21	3 11.3	20.9
343179 2009 UC_{58}	18.1	X	261.19908	332.91839	7.50539	2.43556	0.1535725	0.30366741	2.1921517	21	4 13.1	21.2
343180 2009 UZ_{70}	17.8	X	251.14398	33.15971	349.49469	4.47391	0.1644575	0.30887384	2.1674477	21	5 28.2	20.7
343181 2009 UB_{84}	17.7	X	305.19468	278.97094	81.30205	2.72333	0.1806725	0.31671704	2.1315152	21	7 11.2	19.4
343182 2009 UD_{85}	18.2	X	210.84821	346.78288	75.13061	3.93262	0.1079698	0.30496695	2.1859197	21	6 12.4	21.2
343183 2009 UU_{88}	18.0	X	235.85409	24.84657	346.91245	3.46863	0.2044534	0.30325024	2.1941616	21	4 24.4	21.5
343184 2009 UH_{96}	17.7	X	66.60083	298.94909	199.93303	5.25284	0.1266775	0.28885309	2.2664773	21	3 26.9	19.9
343185 2009 UV_{102}	17.2	X	315.36107	62.20183	310.12834	3.84490	0.0577218	0.31856789	2.1232512	21	9 6.8	19.1
343186 2009 UG_{111}	17.4	X	329.69312	340.67781	229.62165	6.26456	0.0469100	0.28218317	2.3020529	21	1 28.6	20.2
343187 2009 UO_{116}	17.5	X	306.39765	244.00429	351.54380	6.14519	0.1647465	0.28855172	2.2680551	21	1 17.2	20.5
343188 2009 UT_{144}	17.4	X	291.45356	317.10814	20.97354	8.70333	0.1992780	0.30898966	2.1669061	21	5 8.4	20.0
343189 2009 UO_{146}	17.4	X	241.99847	140.09159	218.33596	3.55602	0.0824947	0.21328789	2.7743329	21	4 30.3	21.4
343190 2009 UE_{148}	17.3	X	251.88136	51.42648	225.78809	6.92413	0.2057155	0.28583387	2.2824096	21	1 11.2	21.1
343191 2009 UF_{154}	17.2	X	110.53806	80.20443	354.56181	7.04903	0.0669414	0.28517406	2.2859288	21	2 25.6	19.7
343192 2009 VK_{15}	17.6	X	279.18077	60.16779	262.29251	4.04529	0.1654758	0.30394117	2.1908351	21	4 6.0	20.4
343193 2009 VU_{19}	18.0	X	7.09413	236.16050	5.59307	4.70100	0.0687492	0.30191820	2.2006105	21	5 10.3	20.1
343194 2009 VY_{20}	18.0	X	187.77522	95.41308	350.61360	4.78263	0.1335273	0.30443758	2.1884529	21	6 19.8	21.2
343195 2009 VT_{32}	17.2	X	35.00000	218.98835	278.36513	5.76651	0.0459868	0.27883769	2.3204296	21	1 26.0	19.6
343196 2009 VG_{33}	17.6	X	336.78085	207.75865	344.49084	5.83002	0.0970781	0.27978616	2.3151825	21	1 10.0	20.3
343197 2009 VF_{37}	18.0	X	235.90034	279.48174	63.95431	5.50893	0.2095570	0.29761724	2.2217609	21	3 23.2	21.6
343198 2009 VU_{37}	17.7	X	250.03175	317.97434	48.96992	4.31786	0.1695959	0.30406897	2.1902212	21	5 6.1	20.5
343199 2009 VJ_{47}	17.2	X	270.59083	149.62255	108.38910	3.45400	0.1774137	0.28239958	2.3008767	21	1 7.4	20.5
343200 2009 VF_{55}	17.8	X	313.36808	337.18852	222.34810	6.52904	0.0536995	0.27718263	2.3296573	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343201 2009 VE_{61}	17.0	X	249.12571	33.41109	244.28987	6.07326	0.2128894	0.28409500	2.2917135	21	1 9.9	20.8
343202 2009 VH_{67}	17.7	X	265.21743	282.92227	24.66205	3.48998	0.1608150	0.29359359	2.2420141	21	3 6.8	21.0
343203 2009 VZ_{71}	18.1	X	270.48175	3.18041	350.16223	4.76165	0.1835577	0.30680287	2.1771905	21	5 6.5	20.9
343204 2009 VW_{93}	17.8	X	217.84063	245.82484	168.82329	2.42888	0.0482164	0.30537107	2.1839907	21	6 14.8	20.6
343205 2009 VQ_{94}	18.0	X	140.68321	84.70205	30.66302	4.67297	0.0753698	0.29871459	2.2163164	21	6 2.6	20.9
343206 2009 VC_{100}	17.3	X	346.51765	198.56471	41.75598	6.08457	0.1059664	0.29098589	2.2553888	21	4 1.9	19.5
343207 2009 VR_{105}	17.9	X	168.14700	206.15913	235.84667	3.85407	0.1382234	0.30002695	2.2098487	21	5 24.7	21.1
343208 2009 VG_{108}	18.1	X	179.50636	203.81639	261.56983	1.37229	0.0909612	0.30741539	2.1742976	21	7 7.8	20.8
343209 2009 VT_{114}	17.8	X	104.32421	45.85439	28.37497	2.55719	0.1482623	0.27500031	2.3419660	21	3 2.6	20.4
343210 2009 WG_{1}	18.1	X	235.93867	237.07345	141.61776	3.23987	0.1431348	0.30243796	2.1980886	21	5 10.4	21.2
343211 2009 WV_{20}	17.7	X	176.43549	235.07918	144.79905	3.07754	0.1700847	0.28843517	2.2686661	21	3 14.9	21.1
343212 2009 WK_{27}	17.6	X	76.87152	98.89929	51.46083	5.25164	0.0758304	0.29236690	2.2482810	21	4 24.9	20.0
343213 2009 WD_{28}	17.8	X	95.11787	124.75474	55.75626	5.62597	0.0853842	0.30291270	2.1957913	21	7 9.1	20.3
343214 2009 WG_{34}	15.7	X	352.86341	29.39246	79.75191	10.37353	0.0482509	0.17539435	3.1607658	21	—	—
343215 2009 WX_{36}	17.3	X	345.26181	275.70056	262.92408	5.12899	0.0911774	0.27584948	2.3371573	21	1 3.9	20.1
343216 2009 WC_{37}	17.8	X	220.00116	64.76330	282.14489	3.26812	0.0688632	0.28958568	2.2626532	21	3 12.1	20.9
343217 2009 WL_{37}	17.6	X	35.22580	352.40378	296.82321	2.30645	0.1457657	0.31805837	2.1255182	21	9 30.6	19.6
343218 2009 WR_{37}	17.7	X	201.09136	153.34760	262.65216	5.19608	0.1390574	0.30026556	2.2086778	21	5 23.2	21.0
343219 2009 WW_{43}	16.8	X	352.72436	216.04007	295.80982	4.29953	0.0893753	0.26153677	2.4216658	21	—	—
343220 2009 WF_{44}	18.0	X	311.40024	272.33274	0.70883	5.39757	0.1169149	0.29755400	2.2220757	21	3 19.9	20.4
343221 2009 WN_{45}	17.9	X	275.63999	160.81322	189.99121	2.55128	0.1685630	0.30699465	2.1762837	21	5 13.6	20.7
343222 2009 WD_{80}	17.4	X	179.07902	90.92132	286.40382	6.24452	0.1085286	0.28607409	2.2811317	21	3 6.6	20.8
343223 2009 WD_{82}	17.3	X	284.44225	359.74859	330.67780	4.75047	0.2387199	0.30702588	2.1761362	21	4 13.2	20.4
343224 2009 WO_{82}	17.8	X	282.56704	353.45786	337.71061	4.34290	0.1557170	0.30445044	2.1883913	21	4 23.8	20.7
343225 2009 WX_{83}	17.4	X	308.99253	285.62687	26.28728	7.20642	0.2467226	0.30856021	2.1689162	21	4 18.5	19.6
343226 2009 WW_{84}	17.1	X	244.96580	222.14181	24.88661	8.26282	0.1766316	0.27091717	2.3654387	21	—	—
343227 2009 WA_{88}	17.6	X	293.53054	333.96688	326.38791	3.28364	0.2199820	0.29938377	2.2130126	21	3 17.9	20.4
343228 2009 WK_{88}	17.8	X	333.59146	352.90568	213.73963	4.33317	0.1083989	0.27868585	2.3212724	21	1 21.2	20.6
343229 2009 WN_{89}	16.7	X	223.35482	178.73149	121.04556	4.40583	0.0601347	0.19292062	2.9663128	21	2 1.1	21.1
343230 Corsini	17.0	X	35.13127	330.12507	105.18130	6.08432	0.1562806	0.25960643	2.4336554	21	—	—
343231 2009 WS_{119}	17.9	X	136.21673	319.93903	244.76577	2.65131	0.0548328	0.31953641	2.1189587	21	10 3.9	20.3
343232 2009 WA_{121}	17.9	X	22.09609	357.09467	251.34048	2.67068	0.0879158	0.30390960	2.1909868	21	6 21.2	19.8
343233 2009 WV_{123}	17.5	X	69.53243	148.88200	112.35820	1.25670	0.0555109	0.31751191	2.1279563	21	9 27.6	19.7
343234 2009 WP_{128}	18.0	X	259.63061	210.04896	184.39585	0.81440	0.1329169	0.31125790	2.1563659	21	6 30.1	20.5
343235 2009 WK_{130}	17.5	X	301.27816	338.51715	282.25452	2.64713	0.1380890	0.29007702	2.2600974	21	2 14.3	20.5
343236 2009 WZ_{132}	17.7	X	314.67678	116.84522	209.10466	3.08702	0.1227390	0.30933571	2.1652897	21	6 12.7	19.7
343237 2009 WL_{137}	17.8	X	163.84955	204.51124	220.05696	4.81658	0.0891833	0.29454918	2.2371623	21	4 22.5	20.8
343238 2009 WX_{162}	17.7	X	5.63259	207.74712	59.77819	4.76092	0.0825800	0.30404151	2.1903531	21	6 20.1	19.6
343239 2009 WY_{184}	17.4	X	209.48712	296.10671	81.07147	10.05229	0.1104485	0.29426019	2.2386269	21	4 15.8	20.8
343240 2009 WB_{189}	17.8	X	258.82017	307.10626	56.99612	6.40571	0.1991248	0.30618943	2.1800975	21	5 8.9	20.7
343241 2009 WW_{192}	17.6	X	78.92314	103.97370	40.32933	4.03410	0.1040666	0.29122760	2.2541408	21	4 23.2	19.9
343242 2009 WM_{195}	18.0	X	126.45279	216.24329	264.92331	3.89433	0.0799383	0.29811907	2.2192670	21	5 24.2	20.8
343243 2009 WX_{200}	18.2	X	50.78924	6.09036	169.56829	2.61420	0.0394720	0.29077593	2.2564744	21	4 15.9	20.7
343244 2009 WP_{209}	17.9	X	101.23526	20.39515	93.34756	2.97216	0.1781469	0.28458332	2.2890912	21	4 27.0	20.5
343245 2009 WF_{216}	17.8	X	187.50524	184.45843	203.24267	5.74891	0.0952052	0.29356247	2.2421725	21	3 30.7	20.8
343246 2009 WN_{218}	17.3	X	94.27002	85.26396	46.77429	6.85624	0.1017722	0.29126693	2.2539378	21	4 29.2	19.7
343247 2009 WE_{241}	18.0	X	247.51079	215.55214	176.15236	3.51242	0.0999644	0.30568521	2.1824942	21	6 14.9	20.9
343248 2009 WV_{261}	17.4	X	67.47238	197.91595	289.65390	1.92351	0.1429741	0.28037152	2.3119590	21	3 14.6	19.6
343249 2009 XL_{7}	16.8	X	327.56506	25.83579	122.34316	6.34089	0.0655582	0.25780338	2.4449894	21	—	—
343250 2009 XV_{8}	17.3	X	158.85305	232.98816	175.56221	6.28817	0.0968095	0.28741712	2.2740201	21	3 27.9	20.1
343251 2009 XH_{9}	17.9	X	198.96465	55.74532	348.99057	4.83948	0.1300954	0.29755853	2.2220532	21	5 4.4	21.3
343252 2009 XL_{15}	18.0	X	106.07397	171.00681	269.53154	2.14711	0.2099783	0.27833058	2.3232472	21	3 21.1	20.7
343253 2009 XD_{17}	16.9	X	343.80523	285.04331	281.08128	11.22016	0.1528040	0.27116605	2.3639911	21	1 28.9	19.6
343254 2009 XU_{17}	17.7	X	6.42928	102.50909	44.54557	2.00915	0.1359534	0.26517694	2.3994528	21	—	—
343255 2009 XK_{21}	17.0	X	106.73903	293.44531	98.88522	7.28072	0.1442463	0.26867840	2.3785606	21	1 6.7	19.4
343256 2009 XN_{22}	18.4	X	196.47789	42.50604	44.07056	2.17003	0.1771408	0.29997084	2.2101242	21	6 28.9	21.7
343257 2009 XO_{22}	16.7	X	235.26152	96.15597	83.99996	6.71615	0.1230401	0.24066664	2.5597180	21	12 12.1	19.8
343258 2009 XC_{25}	16.3	X	255.86254	232.94403	263.98477	9.88942	0.1951974	0.23524042	2.5989310	21	10 29.0	19.9
343259 2009 YZ_{5}	16.2	X	75.29929	306.78147	305.72857	7.53386	0.1124743	0.21990388	2.7184047	21	9 16.9	20.0
343260 2009 YW_{14}	16.7	X	99.35195	148.06450	70.15975	5.88746	0.0817108	0.21833232	2.7314339	21	9 4.3	20.6
343261 2009 YP_{15}	17.3	X	155.93176	11.32232	82.67353	6.60870	0.0553531	0.29615061	2.2290901	21	5 22.5	20.1
343262 2009 YC_{20}	16.9	X	28.28651	125.46214	301.85712	5.19405	0.0743780	0.25534582	2.4606521	21	—	—
343263 2009 YU_{21}	16.5	X	217.84745	162.54527	323.63623	10.47082	0.1420628	0.22605582	2.6688587	21	9 7.7	20.6
343264 2009 YZ_{21}	16.4	X	335.64573	241.17712	278.27853	14.36379	0.0544304	0.26259558	2.4151518	21	—	—
343265 2009 YZ_{23}	17.3	X	204.28171	278.62855	85.80673	7.62474	0.1391311	0.28496927	2.2870239	21	3 24.8	20.8
343266 2009 YK_{24}	17.3	X	345.63313	207.46069	298.52923	5.75608	0.0548987	0.26066853	2.4270402	21	—	—
343267 2009 YO_{24}	18.1	X	151.00062	199.17202	259.56905	2.06056	0.0843391	0.29143813	2.2530550	21	5 24.7	21.1
343268 2009 YX_{24}	16.4	X	118.81620	326.78447	304.35830	14.34026	0.1210354	0.23599973	2.5933535	21	12 2.1	20.6
343269 2009 YP_{25}	16.5	X	231.14912	231.38634	314.58560	11.87324	0.0458581	0.24055278	2.5605257	21	12 26.6	20.0
343270 2010 AE_{1}	17.7	X	28.04251	223.07514	249.42780	0.83226	0.1333258	0.26358080	2.4091298	21	—	—
343271 2010 AS_{6}	17.6	X	33.58302	349.36153	151.07242	5.72583	0.1763718	0.27065340	2.3669753	21	1 25.9	19.6
343272 2010 AG_{9}	17.6	X	84.74733	197.90555	255.84758	1.44725	0.1881113	0.27423845	2.3463015	21	3 4.1	19.9
343273 2010 AH_{12}	17.7	X	162.55456	288.31429	127.77479	4.45856	0.2032038	0.28403234	2.2920505	21	4 21.3	21.3
343274 2010 AL_{17}	17.1	X	167.76549	241.23432	95.18940	6.81804	0.1972802	0.27072669	2.3665481	21	1 15.3	20.7
343275 2010 AC_{25}	15.8	X	93.31582	344.60353	311.94533	11.37773	0.1742361	0.23366558	2.6105953	21	12 12.5	20.0
343276 2010 AW_{25}	15.3	X	303.62871	259.80812	315.12773	14.53985	0.0922701	0.17609330	3.1523965	21	1 20.3	19.8
343277 2010 AQ_{31}	17.3	X	152.40392	80.19642	326.14937	5.47316	0.1159133	0.27611874	2.3356376	21	3 18.4	20.5
343278 2010 AC_{34}	15.8	X	316.11144	288.95382	326.74668	8.83358	0.2413531	0.18614537	3.0378610	21	2 28.1	19.8
343279 2010 AH_{35}	17.4	X	30.91339	209.64291	281.04696	4.32703	0.0618853	0.26576968	2.3958839	21	1 13.9	20.1
343280 2010 AQ_{37}	16.9	X	293.42307	347.18043	107.80809	5.94299	0.0152438	0.23386054	2.6091442	21	11 24.1	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343281 2010 AF_{38}	17.2	X	14.10678	120.12543	7.80589	2.54757	0.1697689	0.26091104	2.4255361	21	—	—
343282 2010 AX_{40}	17.1	X	16.57903	28.71187	112.94808	5.60802	0.1686020	0.26341732	2.4101265	21	—	—
343283 2010 AW_{41}	16.9	X	93.31372	25.71822	139.78798	6.29698	0.1010619	0.29021439	2.2593842	21	6 16.6	19.6
343284 2010 AE_{43}	16.4	X	188.80653	124.18372	75.29066	6.77145	0.0744669	0.23601979	2.5932065	21	11 18.4	20.1
343285 2010 AT_{43}	17.2	X	39.48291	239.61364	238.96074	1.97376	0.1396008	0.26497312	2.4006831	21	1 8.7	19.2
343286 2010 AA_{44}	15.8	X	342.46880	249.30348	314.73138	14.83401	0.2021821	0.17816279	3.1279373	21	2 9.5	19.5
343287 2010 AL_{45}	16.8	X	146.41990	307.87637	301.89329	7.86786	0.1267872	0.23854239	2.5748919	21	12 3.4	20.9
343288 2010 AV_{54}	17.1	X	62.89679	86.32543	7.54920	3.24815	0.1413297	0.26580063	2.3956978	21	1 19.6	19.2
343289 2010 AG_{63}	17.9	X	143.05928	281.64470	168.05080	3.22265	0.1691112	0.28746376	2.2737741	21	5 12.3	21.2
343290 2010 AU_{63}	15.9	X	217.60001	99.13550	114.07476	10.79398	0.0453193	0.24071101	2.5594034	21	—	—
343291 2010 AD_{67}	16.9	X	39.03471	17.64379	123.05380	6.77754	0.0496473	0.27660336	2.3329087	21	2 8.4	19.3
343292 2010 AE_{67}	17.5	X	285.43284	268.77918	105.14392	4.03120	0.1922249	0.31106219	2.1572703	21	6 26.2	19.6
343293 2010 AB_{68}	17.9	X	141.14658	303.23194	147.08293	3.52196	0.1363929	0.28701046	2.2761676	21	5 8.2	21.0
343294 2010 AK_{68}	17.2	X	154.07904	250.93078	149.30477	9.41048	0.2015456	0.28011882	2.3133492	21	3 24.3	20.7
343295 2010 AG_{70}	16.8	X	62.06400	117.17622	334.07456	11.33089	0.1196795	0.26729160	2.3867806	21	1 13.9	19.3
343296 2010 AO_{70}	17.5	X	164.77710	122.86867	351.03025	6.06759	0.1281076	0.29619365	2.2288742	21	7 4.6	20.8
343297 2010 AN_{73}	17.5	X	109.75067	47.83777	82.52864	6.70592	0.1562307	0.28336877	2.2956274	21	5 28.1	20.3
343298 2010 AN_{76}	16.5	X	335.67264	132.09185	12.10435	6.18954	0.0736543	0.25781440	2.4449197	21	—	—
343299 2010 AC_{77}	16.5	X	342.95881	356.67191	131.55397	7.05887	0.0973958	0.25540404	2.4602781	21	—	—
343300 2010 AD_{77}	16.5	X	176.63049	234.45565	290.27874	10.69626	0.1399374	0.22350170	2.6891529	21	9 12.3	21.1
343301 2010 AR_{81}	15.4	X	12.97365	296.87022	253.77027	12.21829	0.0585921	0.17808682	3.1288269	21	3 19.8	19.8
343302 2010 AE_{89}	16.7	X	242.42294	324.03307	143.15788	5.10380	0.0243999	0.21427164	2.7658349	21	9 30.2	20.5
343303 2010 AO_{95}	15.9	X	21.71219	125.03342	87.55552	7.53018	0.0900713	0.18444122	3.0565445	21	5 8.2	19.7
343304 2010 AC_{106}	16.9	X	236.23025	293.19536	221.40551	8.85972	0.1063661	0.22443778	2.6816704	21	11 10.4	20.7
343305 2010 AJ_{110}	16.0	X	247.44744	6.73844	347.36493	6.70303	0.0789843	0.18576880	3.0419649	21	4 30.8	20.6
343306 2010 AG_{115}	15.4	X	149.71039	58.93174	352.20467	22.22754	0.0220839	0.17647101	3.1478967	21	3 22.1	20.0
343307 2010 AQ_{120}	15.6	X	159.45578	44.95400	333.59498	14.16791	0.0266819	0.17038014	3.2224788	21	2 26.2	20.1
343308 2010 BN_{3}	17.8	X	173.68199	28.07006	49.98996	3.70982	0.1263053	0.29172660	2.2515695	21	5 24.7	21.1
343309 2010 BZ_{3}	17.8	X	200.58099	282.24974	117.49980	4.73389	0.1747237	0.29116343	2.2544719	21	5 3.5	21.4
343310 2010 BD_{5}	16.0	X	118.34048	253.04119	329.50647	13.34053	0.0386825	0.22101976	2.7092473	21	9 20.3	20.0
343311 2010 BM_{6}	17.2	X	341.88374	46.77317	130.52494	1.98379	0.1257004	0.26254556	2.4154586	21	—	—
343312 2010 BH_{28}	15.4	X	15.06389	356.31259	52.36118	20.48060	0.2327813	0.23412472	2.6071811	21	—	—
343313 2010 BX_{40}	16.0	X	80.54729	0.22146	158.53713	9.57214	0.0755224	0.18535590	3.0464808	21	5 22.8	20.3
343314 2010 BC_{57}	15.6	X	276.44133	261.25148	41.46493	15.69557	0.0808037	0.17690827	3.1427075	21	4 8.4	20.2
343315 2010 BK_{61}	15.8	X	218.49722	131.24782	214.36102	17.54532	0.0854534	0.17388915	3.1789795	21	3 20.4	20.8
343316 2010 BU_{68}	16.3	X	266.50063	229.21942	161.02593	7.20209	0.0793505	0.19752827	2.9200024	21	7 10.6	20.5
343317 2010 BV_{71}	15.2	X	260.25010	225.80462	98.98651	19.62325	0.1399968	0.17694221	3.1423055	21	4 15.7	20.4
343318 2010 BS_{73}	16.0	X	304.40221	121.84189	185.90192	2.24058	0.1050593	0.18366938	3.0651016	21	5 11.9	20.1
343319 2010 BD_{76}	16.8	X	78.50370	211.10848	58.94213	5.30872	0.0279900	0.20880505	2.8139004	21	10 6.3	20.6
343320 2010 BF_{84}	15.3	X	108.40874	88.48006	277.89350	7.79904	0.0488240	0.15135655	3.4871335	21	—	—
343321 2010 BM_{96}	17.4	X	15.30107	257.19715	290.97219	2.31993	0.0874642	0.28930517	2.2641155	21	3 3.8	19.6
343322 Tomskuniver	16.0	X	164.31959	175.88749	320.77484	11.68427	0.1147934	0.21261352	2.7801963	21	8 2.2	20.4
343323 2010 CP_{1}	17.1	X	62.10827	246.65104	233.68123	5.65859	0.0622425	0.26852556	2.3794630	21	2 14.7	20.0
343324 2010 CE_{3}	17.4	X	32.96945	320.66817	127.81177	5.62605	0.0419082	0.25384069	2.4703693	21	—	—
343325 2010 CS_{3}	17.3	X	43.31542	121.65827	16.30220	3.33575	0.1379792	0.26776040	2.3839940	21	2 15.7	19.3
343326 2010 CK_{6}	15.3	X	206.21345	229.34040	129.15993	19.76981	0.0801567	0.17087348	3.2162733	21	4 2.8	20.5
343327 2010 CL_{8}	16.8	X	313.46011	317.79898	201.39333	7.41864	0.2195260	0.24193076	2.5507936	21	—	—
343328 2010 CH_{9}	15.9	X	240.69460	59.16563	87.87010	15.21880	0.0996681	0.21927752	2.7235790	21	11 11.2	19.9
343329 2010 CB_{14}	15.9	X	225.81175	1.02822	30.33125	14.15468	0.0762877	0.18366019	3.0652039	21	5 23.1	20.6
343330 2010 CH_{17}	15.8	X	238.77497	154.98344	52.01701	27.01698	0.1899392	0.23145801	2.6271684	21	—	—
343331 2010 CY_{19}	16.9	X	41.48891	148.27586	304.49875	5.40313	0.0547918	0.26268897	2.4145794	21	—	—
343332 2010 CP_{22}	16.9	X	45.54468	342.16033	345.04438	4.38806	0.0449173	0.22455079	2.6807706	21	11 7.1	20.5
343333 2010 CA_{29}	17.0	X	336.60773	331.69862	115.71110	3.92572	0.1951706	0.24094304	2.5577600	21	—	—
343334 2010 CE_{32}	16.2	X	315.11872	300.51916	160.80225	14.37182	0.0604550	0.23394188	2.6085394	21	12 29.3	19.7
343335 2010 CN_{32}	15.8	X	316.66189	38.27104	173.95135	6.43177	0.0652875	0.17043057	3.2218430	21	2 3.8	20.4
343336 2010 CJ_{35}	16.9	X	37.68084	13.27661	67.33635	5.16970	0.1940464	0.25497679	2.4630258	21	—	—
343337 2010 CY_{35}	15.7	X	313.22159	127.58086	143.00907	12.17198	0.0896734	0.18613761	3.0379454	21	4 12.1	19.9
343338 2010 CH_{36}	16.2	X	186.41261	239.07498	356.02839	12.25206	0.0637779	0.23479134	2.6022439	21	12 31.4	20.2
343339 2010 CO_{39}	17.8	X	74.40729	47.55827	52.01914	2.65361	0.1528359	0.26505703	2.4001764	21	2 20.9	20.1
343340 2010 CE_{41}	17.2	X	29.24157	258.86168	266.81848	1.32179	0.1595054	0.27141030	2.3625726	21	2 25.7	18.9
343341 2010 CE_{42}	17.0	X	142.22815	86.89699	322.95186	11.23747	0.1645484	0.27589103	2.3369226	21	3 14.6	20.5
343342 2010 CK_{42}	17.4	X	42.38715	247.38150	247.34619	0.59771	0.1276556	0.26736678	2.3863332	21	2 7.1	19.4
343343 2010 CJ_{48}	15.9	X	62.31163	322.65009	205.56224	10.65300	0.0943549	0.17898467	3.1183546	21	5 11.6	20.0
343344 2010 CX_{55}	17.0	X	357.27415	266.70124	226.76148	5.35637	0.1315894	0.25874492	2.4390544	21	—	—
343345 2010 CQ_{56}	15.8	X	180.98008	268.41137	291.91361	10.31215	0.1191076	0.22905611	2.6455022	21	11 2.8	20.0
343346 2010 CF_{57}	15.2	X	351.30899	222.18695	352.15628	19.56776	0.1783147	0.18001550	3.1064387	21	3 13.5	18.8
343347 2010 CF_{59}	16.5	X	219.01083	7.06223	156.75909	13.17354	0.0993966	0.22982522	2.6395968	21	11 7.2	20.5
343348 2010 CR_{59}	15.8	X	286.94821	264.00403	156.98223	21.93231	0.0731337	0.22328024	2.6909307	21	9 23.9	19.3
343349 2010 CK_{60}	16.7	X	306.21307	302.52653	168.81435	8.89659	0.1200620	0.23935862	2.5690348	21	12 28.1	19.6
343350 2010 CL_{60}	17.0	X	29.90498	318.71345	177.96264	4.00996	0.1822934	0.26458166	2.4030504	21	1 13.4	19.0
343351 2010 CS_{61}	15.8	X	328.03695	232.08234	352.68622	7.35624	0.1017395	0.17862107	3.1225850	21	3 1.7	19.9
343352 2010 CR_{62}	16.7	X	37.89115	268.57119	349.80566	7.59321	0.0366995	0.20511461	2.8475519	21	7 28.9	20.5
343353 2010 CG_{63}	17.7	X	80.85594	117.78948	20.99127	1.94576	0.1321681	0.27579500	2.3374650	21	4 24.2	20.2
343354 2010 CU_{66}	16.6	X	76.61737	285.64498	345.61209	7.95721	0.0659606	0.22066251	2.7121707	21	10 7.5	20.4
343355 2010 CL_{68}	16.6	X	95.31746	67.09068	193.85659	2.48067	0.0328084	0.22171842	2.7035529	21	10 15.9	20.2
343356 2010 CE_{75}	16.9	X	54.12502	346.51183	338.99545	2.95756	0.0680130	0.22917660	2.6445749	21	11 21.0	20.5
343357 2010 CL_{75}	17.4	X	345.12051	63.61577	347.03378	2.07884	0.0507251	0.23447631	2.6045742	21	12 6.1	20.5
343358 2010 CE_{79}	17.2	X	138.80980	301.84706	318.02780	1.32845	0.1403152	0.22720479	2.6598535	21	12 7.5	21.4
343359 2010 CY_{79}	17.3	X	359.63640	191.84939	342.48884	7.82922	0.1069308	0.26252075	2.4156108	21	1 23.7	20.0
343360 2010 CC_{80}	15.5	X	255.30147	303.36987	345.86948	13.08247	0.1118600	0.17545918	3.1599871	21	2 22.3	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343361 2010 CR_{81}	16.2	X	352.50301	12.00344	322.38679	3.54358	0.0821826	0.21283135	2.7782990	21	9 2.6	19.6
343362 2010 CS_{81}	16.3	X	281.56917	359.73864	305.27943	1.36327	0.0880372	0.18790118	3.0189069	21	4 9.9	20.5
343363 2010 CK_{82}	16.7	X	357.54957	343.14193	321.53230	1.17319	0.0531482	0.20314450	2.8659328	21	7 31.2	20.3
343364 2010 CZ_{83}	17.6	X	77.77295	308.21850	150.87990	1.73791	0.1512144	0.26861308	2.3789461	21	2 23.9	20.0
343365 2010 CE_{84}	16.9	X	216.25526	129.83824	340.78414	6.80672	0.1135370	0.21613372	2.7499261	21	8 22.6	21.1
343366 2010 CG_{87}	16.7	X	95.39747	130.37875	137.40713	5.75991	0.1523636	0.22345970	2.6894899	21	11 8.7	20.8
343367 2010 CY_{88}	16.5	X	88.09489	355.05291	272.37538	3.95794	0.1212294	0.22104275	2.7090595	21	10 24.5	20.4
343368 2010 CH_{91}	17.9	X	82.10112	235.63051	186.68180	2.51622	0.1606064	0.26374036	2.4081581	21	1 10.9	20.2
343369 2010 CU_{93}	17.7	X	27.29385	89.04478	16.83416	4.90291	0.1565464	0.25590731	2.4570515	21	—	—
343370 2010 CS_{94}	16.6	X	40.36431	203.78497	149.69815	4.92326	0.1249195	0.22892187	2.6465363	21	12 18.5	20.1
343371 2010 CH_{95}	16.2	X	285.59776	135.27999	151.43566	5.40751	0.0969510	0.18161572	3.0881644	21	3 24.6	20.6
343372 2010 CN_{96}	16.6	X	359.85833	264.55306	49.71540	0.64739	0.0658352	0.21305277	2.7763737	21	8 18.1	19.9
343373 2010 CC_{108}	15.5	X	272.35835	319.23843	357.29570	17.00956	0.0714182	0.18536887	3.0463387	21	4 11.1	20.0
343374 2010 CV_{108}	17.2	X	310.74536	143.34652	321.88034	4.74881	0.0546538	0.23903953	2.5713206	21	12 29.8	20.3
343375 2010 CF_{117}	16.0	X	278.96891	295.33651	2.29624	10.87562	0.0561231	0.18202539	3.0835292	21	4 1.9	20.4
343376 2010 CD_{122}	16.0	X	69.71902	94.90174	137.48610	3.38281	0.1733018	0.20212330	2.8755778	21	8 26.2	19.8
343377 2010 CH_{125}	16.5	X	65.48878	321.62937	22.62178	3.89581	0.0936435	0.23083096	2.6319240	21	—	—
343378 2010 CN_{127}	16.2	X	347.69876	179.72046	184.54508	12.22028	0.1326253	0.21695185	2.7430085	21	10 9.8	19.1
343379 2010 CO_{129}	16.9	X	3.23278	329.36962	174.97505	8.24880	0.1938968	0.25829143	2.4419085	21	—	—
343380 2010 CE_{133}	15.5	X	242.08170	279.63617	87.37374	5.57777	0.0664412	0.18054202	3.1003961	21	5 16.1	20.0
343381 2010 CW_{135}	15.6	X	127.11177	2.26214	116.21118	11.95806	0.0560707	0.18186490	3.0853431	21	5 27.6	20.2
343382 2010 CK_{138}	17.6	X	52.81215	325.77516	192.24274	1.73177	0.1602983	0.27300987	2.3533354	21	4 7.1	19.3
343383 2010 CQ_{139}	18.0	X	126.77779	118.56086	323.28715	4.78915	0.1920420	0.27880098	2.3206333	21	4 13.7	21.3
343384 2010 CH_{141}	16.7	X	81.69438	294.93757	2.86035	2.44542	0.0894613	0.22945983	2.6423982	21	11 22.6	20.3
343385 2010 CA_{142}	17.3	X	71.59073	215.01866	317.21975	5.32105	0.0968374	0.28521739	2.2856973	21	5 21.2	19.8
343386 2010 CA_{148}	16.7	X	179.81597	186.08222	358.51284	13.74892	0.2388534	0.21835268	2.7312641	21	10 8.8	21.5
343387 2010 CA_{149}	17.6	X	114.33612	329.03011	116.73645	2.77931	0.1966984	0.27904538	2.3192781	21	4 8.8	20.5
343388 2010 CN_{149}	16.7	X	33.08029	180.73678	135.16935	3.11316	0.1980762	0.21746019	2.7387320	21	10 30.9	20.0
343389 2010 CZ_{152}	17.1	X	56.01996	183.07785	80.35169	0.85848	0.0212731	0.21447925	2.7640498	21	8 26.7	20.6
343390 2010 CN_{153}	16.6	X	290.61793	264.18861	158.70960	4.12295	0.0784500	0.21934410	2.7230278	21	9 28.9	20.0
343391 2010 CR_{153}	18.0	X	48.05125	320.67393	154.43532	3.36780	0.1378993	0.26161164	2.4212037	21	1 21.6	20.2
343392 2010 CZ_{154}	17.9	X	141.92302	36.01780	60.16679	2.08846	0.1822053	0.28581612	2.2825041	21	5 20.2	21.2
343393 2010 CE_{156}	16.8	X	116.43256	209.48626	355.33297	7.38711	0.1530022	0.20918811	2.8104642	21	9 10.4	21.2
343394 2010 CU_{161}	15.2	X	323.64938	262.90805	335.66263	14.71956	0.1747932	0.17653622	3.1471214	21	2 28.9	19.2
343395 2010 CR_{163}	16.4	X	350.20215	20.80652	353.80650	5.62741	0.0251281	0.21981788	2.7191138	21	10 21.5	20.1
343396 2010 CH_{164}	17.3	X	351.46442	168.62189	37.49829	2.15100	0.1239523	0.27002308	2.3706574	21	2 19.2	19.7
343397 2010 CN_{166}	17.2	X	281.68655	275.04054	202.49141	1.92334	0.0477385	0.22989207	2.6390851	21	12 2.3	20.4
343398 2010 CO_{168}	16.2	X	97.94603	318.11620	186.92153	10.09176	0.0393646	0.19067863	2.9895193	21	5 21.4	20.5
343399 2010 CE_{170}	15.7	X	310.08292	238.03319	357.65597	12.25538	0.1100354	0.17672874	3.1448355	21	2 21.1	20.1
343400 2010 CN_{170}	17.2	X	231.76832	280.69392	223.08062	0.87236	0.0772714	0.22516822	2.6758678	21	10 26.0	20.8
343401 2010 CR_{170}	16.4	X	117.56748	350.08652	284.19267	2.28639	0.0498748	0.22581772	2.6707344	21	11 30.0	20.3
343402 2010 CV_{170}	16.8	X	353.05870	17.79528	343.84666	5.68169	0.0430278	0.22042668	2.7141047	21	10 9.1	20.3
343403 2010 CY_{170}	16.3	X	14.32203	14.61299	350.53238	4.88960	0.0687576	0.22351700	2.6890302	21	11 16.7	19.7
343404 2010 CC_{172}	17.2	X	184.17217	217.89795	356.48581	2.94096	0.1652472	0.23073680	2.6326400	21	11 23.3	21.3
343405 2010 CL_{172}	17.1	X	55.04277	152.34286	193.07861	4.91865	0.0247564	0.22776755	2.6554705	21	12 12.2	20.6
343406 2010 CB_{175}	15.9	X	296.41741	95.09904	348.73455	7.88288	0.0487120	0.22797650	2.6538477	21	11 5.1	19.3
343407 2010 CR_{175}	17.8	X	23.65996	46.96042	102.39715	3.63400	0.1257561	0.26283123	2.4137080	21	1 25.9	20.2
343408 2010 CO_{176}	16.7	X	315.65055	52.76366	330.80695	10.92132	0.0679082	0.21961303	2.7208043	21	9 10.9	20.2
343409 2010 CY_{176}	16.1	X	56.25433	24.66300	326.63248	11.31906	0.1980511	0.23635654	2.5907428	21	—	—
343410 2010 CT_{180}	15.6	X	289.31946	299.75414	328.04126	11.40193	0.1221738	0.18003335	3.1062333	21	2 27.9	20.0
343411 2010 CU_{180}	16.4	X	159.13561	50.74776	142.34947	8.98706	0.0546454	0.22069369	2.7119152	21	10 9.4	20.4
343412 2010 CC_{181}	16.6	X	74.03866	15.36759	165.72625	17.24889	0.1391440	0.19520840	2.9430912	21	6 20.1	20.9
343413 2010 CX_{181}	17.2	X	200.42854	253.78735	256.42615	1.81400	0.0245891	0.22102999	2.7091637	21	9 30.8	21.0
343414 2010 CH_{184}	16.2	X	221.44859	204.68584	344.96146	33.31063	0.2232095	0.23321601	2.6139492	21	11 7.2	21.1
343415 2010 CL_{184}	16.1	X	112.45812	59.05718	154.68803	9.20131	0.0400877	0.21494440	2.7600606	21	9 6.6	19.8
343416 2010 CR_{206}	16.5	X	130.18783	251.11547	220.03644	8.17895	0.1103304	0.18383830	3.0632237	21	5 25.4	21.2
343417 2010 CE_{248}	16.5	X	69.23499	131.12692	129.76567	8.96381	0.0682501	0.21831701	2.7315616	21	9 20.3	20.2
343418 2010 DV_{1}	15.9	X	281.03530	315.10923	185.92137	32.21315	0.2412415	0.23260283	2.6185411	21	12 7.3	19.5
343419 2010 DD_{4}	17.7	X	90.11056	85.89953	348.73500	2.12991	0.1937128	0.27037334	2.3686095	21	2 16.6	19.9
343420 2010 DY_{6}	16.5	X	192.14877	119.66785	348.66736	5.66166	0.0041722	0.20549713	2.8440171	21	7 29.8	20.4
343421 2010 DN_{8}	16.6	X	121.34036	288.96830	324.01290	4.10301	0.1139886	0.22044688	2.7139390	21	11 9.6	20.9
343422 2010 DQ_{8}	16.6	X	265.51918	357.53730	170.62141	11.22287	0.0460085	0.23779783	2.5802639	21	—	—
343423 2010 DF_{16}	15.2	X	89.72934	317.90098	265.62190	27.58497	0.1841007	0.22480484	2.6787506	21	8 24.7	19.8
343424 2010 DV_{17}	16.2	X	170.50246	280.69047	295.78925	12.01722	0.1436752	0.24288977	2.5440749	21	11 13.6	20.4
343425 2010 DL_{20}	16.0	X	175.68749	207.55769	0.16669	13.69370	0.0574927	0.22731126	2.6590229	21	11 8.0	20.1
343426 2010 DO_{22}	16.0	X	67.13439	15.43731	156.45595	9.86541	0.0933390	0.17997855	3.1068638	21	5 24.4	20.3
343427 2010 DD_{24}	15.3	X	49.76938	125.62414	24.91438	10.38416	0.0314317	0.16901291	3.2398343	21	3 28.1	19.7
343428 2010 DY_{35}	16.1	X	67.70551	306.21127	324.32352	11.14118	0.0930489	0.21781039	2.7357956	21	9 26.4	20.0
343429 2010 DW_{39}	16.4	X	286.92952	216.54748	298.14876	6.54401	0.1358707	0.24213652	2.5493484	21	—	—
343430 2010 DV_{42}	16.9	X	307.78943	230.43332	177.11734	6.08514	0.1637793	0.22243473	2.6977455	21	9 24.1	19.5
343431 2010 DM_{43}	17.6	X	310.84999	150.24968	293.43189	2.42688	0.0561753	0.23007775	2.6376650	21	11 28.4	20.8
343432 2010 DD_{46}	16.0	X	32.86474	328.26477	339.31445	12.61138	0.1174699	0.21225049	2.7833655	21	9 30.3	19.6
343433 2010 DT_{46}	18.1	X	51.47242	308.20887	191.62547	2.24601	0.1749637	0.26807880	2.3821059	21	3 8.2	19.8
343434 2010 DU_{47}	15.9	X	339.53642	281.87685	350.85379	7.98493	0.0293221	0.19162057	2.9797144	21	5 21.3	20.0
343435 2010 DC_{49}	16.5	X	239.41364	67.58661	125.87601	5.12661	0.0200579	0.23756766	2.5819302	21	—	—
343436 2010 DJ_{49}	15.8	X	138.71119	3.20195	185.06147	10.20352	0.0551856	0.20972624	2.8056546	21	9 3.9	19.8
343437 2010 DR_{75}	16.4	X	10.81753	6.61330	0.38030	4.76195	0.0726879	0.22299753	2.6932046	21	11 14.5	19.7
343438 2010 DS_{77}	16.7	X	77.60618	310.43871	52.74872	14.07929	0.0630115	0.23854634	2.5748635	21	—	—
343439 2010 DW_{77}	15.8	X	318.60140	312.72986	350.09050	9.31792	0.0174404	0.19356142	2.9597624	21	6 3.1	20.1
343440 2010 DY_{77}	16.6	X	352.87334	253.32081	174.33090	9.30676	0.1092927	0.23527804	2.5986540	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343441 2010 DC_{78}	16.5	X	310.35373	139.18348	341.86510	7.39497	0.1258561	0.23761760	2.5815685	21	—	—
343442 2010 DH_{79}	16.2	X	156.65056	21.78130	166.33586	5.66224	0.0101237	0.21902707	2.7256548	21	9 27.1	19.8
343443 2010 DJ_{79}	16.3	X	38.10914	254.20567	37.94884	3.81188	0.0743629	0.20999487	2.8032614	21	9 17.3	19.8
343444 Halluzinelle	16.7	X	310.85936	173.11294	253.51682	3.46311	0.0851019	0.22687980	2.6623930	21	11 2.9	19.7
343445 2010 EJ_{29}	16.3	X	280.13641	309.83479	186.10008	12.41367	0.1222967	0.23284208	2.6167470	21	12 16.2	19.6
343446 2010 EC_{30}	17.3	X	318.69205	342.01131	140.42970	7.19588	0.1771411	0.24350062	2.5398184	21	—	—
343447 2010 EZ_{31}	16.8	X	302.31477	253.71388	155.22017	5.44464	0.0392451	0.21886836	2.7269723	21	10 2.3	20.4
343448 2010 EK_{32}	16.3	X	24.69796	283.87361	338.36751	1.25681	0.0534591	0.20127306	2.8836704	21	7 14.4	20.1
343449 2010 ER_{33}	16.8	X	324.35870	286.51227	165.79108	6.40187	0.1357448	0.23488278	2.6015685	21	—	—
343450 2010 EY_{33}	16.8	X	299.07911	301.14286	183.30370	11.23804	0.0314797	0.23333345	2.6130721	21	—	—
343451 2010 EY_{34}	16.0	X	339.37267	217.56227	4.04737	11.22530	0.0761776	0.18057348	3.1000360	21	3 16.5	20.1
343452 2010 EF_{35}	16.5	X	174.47037	205.92993	333.18956	7.56143	0.1582391	0.21785558	2.7354173	21	9 30.1	21.1
343453 2010 EH_{39}	16.7	X	276.32603	119.56409	10.83021	12.12404	0.0589122	0.23335856	2.6128846	21	12 8.7	20.2
343454 2010 EN_{39}	15.9	X	76.58518	159.12198	103.38132	10.30876	0.1087229	0.20982945	2.8047345	21	10 9.0	20.0
343455 2010 EO_{39}	15.4	X	15.56124	54.34810	147.52919	10.99578	0.0392684	0.18194731	3.0844113	21	4 16.1	19.7
343456 2010 EP_{39}	16.8	X	10.78806	108.76764	51.89521	7.38557	0.1137240	0.26016438	2.4301747	21	1 22.8	19.5
343457 2010 ET_{39}	16.1	X	290.46548	145.74959	343.77958	12.76093	0.1066399	0.23522677	2.5990316	21	12 27.7	19.3
343458 2010 EH_{41}	16.2	X	108.32873	212.43475	10.94984	8.53943	0.0408073	0.20867390	2.8150792	21	9 14.9	20.1
343459 2010 EJ_{41}	16.8	X	274.45903	173.68821	350.06611	8.47373	0.1272270	0.23671299	2.5881413	21	—	—
343460 2010 EB_{42}	16.9	X	255.52589	106.21862	60.99173	2.15427	0.0247450	0.22894356	2.6463692	21	—	—
343461 2010 EG_{44}	16.3	X	284.29095	4.45858	137.25345	14.55844	0.1775158	0.23656701	2.5892059	21	12 25.6	19.2
343462 2010 EB_{45}	16.7	X	194.78950	102.52671	77.52131	4.82497	0.1488657	0.22598035	2.6694529	21	10 25.6	20.8
343463 2010 EH_{45}	16.6	X	23.60456	178.22062	68.18802	3.11567	0.0429030	0.19603251	2.9348370	21	6 20.3	20.4
343464 2010 EN_{61}	15.4	X	176.91416	318.75456	121.12738	28.29125	0.1547113	0.17958745	3.1113729	21	6 10.6	20.9
343465 2010 EC_{67}	16.6	X	130.51217	106.28694	119.07487	4.06257	0.1320434	0.21596846	2.7513288	21	10 19.8	20.9
343466 2010 EH_{67}	17.4	X	47.19343	113.62765	43.13193	4.48536	0.1436405	0.26946779	2.3739130	21	3 25.3	19.5
343467 2010 EL_{67}	15.8	X	262.47625	192.39352	162.35685	9.75359	0.0601696	0.19378030	2.9575332	21	5 25.9	20.2
343468 2010 EX_{68}	17.1	X	269.37063	131.32046	28.49537	5.34875	0.1940708	0.23631537	2.5910437	21	12 21.1	20.1
343469 2010 EQ_{69}	16.3	X	298.19540	183.27461	324.09576	11.90766	0.0555747	0.24058522	2.5602955	21	—	—
343470 2010 EW_{69}	16.5	X	95.62413	186.48395	101.89223	6.00305	0.0177422	0.21984716	2.7188723	21	11 19.5	20.3
343471 2010 EO_{70}	16.1	X	23.01471	351.77446	185.90975	9.44788	0.0733898	0.17623261	3.1507349	21	3 23.9	20.2
343472 2010 ER_{70}	16.6	X	37.29503	201.57123	348.65136	4.79409	0.0678179	0.18321459	3.0701718	21	4 27.4	20.5
343473 2010 EF_{71}	16.6	X	287.97975	40.98075	7.72758	5.78690	0.0172708	0.21367919	2.7709450	21	9 13.9	20.2
343474 2010 EN_{73}	16.1	X	137.21498	210.19266	353.03933	12.11873	0.1448367	0.21067223	2.7972494	21	9 25.9	20.5
343475 2010 EQ_{74}	16.5	X	337.00664	346.04047	38.67672	6.63605	0.0766431	0.22160688	2.7044600	21	10 19.6	19.7
343476 2010 EF_{77}	16.3	X	249.46026	79.85510	29.34846	6.14189	0.0424864	0.21540986	2.7560833	21	10 8.5	20.0
343477 2010 EM_{79}	16.7	X	283.54102	310.61307	63.68770	2.74016	0.0988189	0.20504774	2.8481710	21	7 10.2	20.5
343478 2010 ES_{80}	16.8	X	71.82013	192.96611	76.76137	1.56452	0.0284379	0.21371720	2.7706164	21	9 26.5	20.4
343479 2010 EQ_{83}	16.5	X	320.83946	313.81899	191.01021	12.78469	0.1796876	0.24228846	2.5482824	21	—	—
343480 2010 ER_{83}	16.1	X	13.59045	220.17168	21.23445	14.51100	0.0895464	0.18657177	3.0332306	21	5 27.7	20.0
343481 2010 EH_{84}	16.5	X	302.20297	216.04930	165.26997	3.99201	0.1091127	0.20898153	2.8123160	21	8 13.8	20.1
343482 2010 EX_{84}	16.9	X	114.57358	170.40657	2.55420	3.76634	0.0615229	0.20002682	2.8956355	21	7 20.1	21.0
343483 2010 EY_{84}	16.6	X	60.73539	98.88782	180.48904	5.00668	0.0291150	0.21176271	2.7876381	21	9 23.6	20.1
343484 2010 EH_{85}	16.6	X	346.89290	224.00304	172.85818	6.29638	0.0445518	0.22371277	2.6874612	21	11 19.8	20.1
343485 2010 EA_{86}	15.7	X	7.57755	4.07150	200.37404	16.57586	0.1215250	0.17837319	3.1254771	21	4 1.8	19.5
343486 2010 EJ_{87}	16.3	X	104.21312	139.28456	16.35694	10.67965	0.0307598	0.19031431	2.9933333	21	6 7.6	20.6
343487 2010 EY_{87}	15.8	X	187.05169	176.69987	44.26646	15.73909	0.0806338	0.22645659	2.6657090	21	12 7.8	19.9
343488 2010 ET_{89}	16.5	X	288.09482	348.58699	123.08910	3.26917	0.0514529	0.22848850	2.6498817	21	12 3.2	19.7
343489 2010 EA_{90}	16.1	X	350.55604	256.88607	21.78310	11.93049	0.1492163	0.19120267	2.9840545	21	6 8.2	19.6
343490 2010 ET_{94}	17.7	X	45.17573	76.18784	18.12179	6.88793	0.0942713	0.25580458	2.4577093	21	—	—
343491 2010 EV_{96}	18.1	X	125.51838	47.14397	47.07978	2.83755	0.1433247	0.27695892	2.3309116	21	4 25.6	21.3
343492 2010 EC_{100}	15.8	X	333.75123	219.65363	19.82102	10.04027	0.0642993	0.17560994	3.1581784	21	4 1.9	20.0
343493 2010 EG_{100}	15.7	X	293.75541	97.17055	186.07805	5.43968	0.0788651	0.18196894	3.0841669	21	3 31.5	20.0
343494 2010 EA_{102}	16.8	X	330.48385	75.22943	321.16430	4.38457	0.0078753	0.22061052	2.7125968	21	10 22.9	20.6
343495 2010 EH_{102}	16.5	X	29.94683	343.98291	346.22357	5.80311	0.0295179	0.21835030	2.7312840	21	10 17.6	20.1
343496 2010 EK_{102}	16.0	X	139.00722	287.25341	175.05610	4.10211	0.1229804	0.18907388	3.0064111	21	5 25.1	20.7
343497 2010 EB_{104}	16.0	X	12.10806	246.73586	22.29846	11.42361	0.1200527	0.19251960	2.9704306	21	7 9.1	19.7
343498 2010 EH_{105}	15.6	X	255.31367	156.61399	156.25010	10.26602	0.0768438	0.17958202	3.1114356	21	3 25.2	20.2
343499 2010 EJ_{105}	16.5	X	172.32733	197.11407	353.68870	6.86456	0.1257227	0.21759462	2.7376039	21	10 13.9	20.8
343500 2010 EO_{105}	16.5	X	287.11027	352.18247	149.69389	8.39443	0.0532460	0.23467889	2.6030751	21	—	—
343501 2010 EC_{106}	16.3	X	170.44341	152.17117	39.19848	7.96779	0.0732234	0.21653108	2.7465608	21	10 17.1	20.3
343502 2010 ED_{106}	16.4	X	165.29226	172.89108	42.05969	9.56010	0.1169855	0.21941660	2.7224279	21	11 7.5	20.6
343503 2010 EW_{107}	15.6	X	96.27859	141.45755	24.80795	10.30007	0.1066571	0.19092661	2.9869302	21	6 23.8	20.0
343504 2010 EK_{108}	16.3	X	333.17221	20.35372	22.07878	6.57060	0.0487892	0.22138993	2.7062265	21	11 4.4	19.6
343505 2010 EN_{108}	15.8	X	2.90695	221.23109	20.12548	19.13720	0.0685636	0.18467285	3.0539882	21	5 8.8	19.9
343506 2010 EX_{109}	16.6	X	42.57085	153.20488	164.57376	5.48787	0.0774363	0.21765964	2.7370587	21	10 28.9	20.2
343507 2010 EP_{110}	15.6	X	274.22687	322.48968	10.52996	10.45313	0.0977608	0.18569112	3.0428132	21	5 2.8	20.1
343508 2010 EX_{110}	15.9	X	319.74890	252.93441	24.33229	9.22767	0.0534443	0.18181285	3.0859319	21	4 29.2	20.0
343509 2010 EN_{111}	15.9	X	322.31831	47.85895	187.23225	9.03838	0.0382100	0.17432764	3.1736465	21	3 13.8	20.3
343510 2010 EH_{112}	16.1	X	78.26441	166.80402	11.15517	7.94928	0.1279029	0.18949155	3.0019917	21	6 18.8	20.3
343511 2010 EV_{112}	16.0	X	237.58374	307.91469	21.93436	9.43754	0.0569327	0.17558054	3.1585309	21	3 28.1	20.6
343512 2010 EC_{113}	15.9	X	222.50268	305.20154	24.19306	7.48673	0.1271843	0.17408087	3.1766450	21	3 9.5	20.9
343513 2010 EF_{113}	15.5	X	242.71664	274.52716	40.65667	11.33344	0.0804370	0.17289775	3.1911201	21	3 17.9	20.4
343514 2010 EH_{113}	16.4	X	202.45787	15.94735	81.62427	3.09463	0.0719362	0.20098758	2.8864003	21	7 23.8	20.7
343515 2010 EC_{123}	15.5	X	302.59460	345.54821	354.04366	10.59372	0.1093277	0.19252101	2.9704161	21	6 18.6	19.6
343516 2010 ED_{123}	16.5	X	198.01568	119.97610	32.48286	5.22360	0.0266480	0.21320800	2.7750260	21	10 1.9	20.4
343517 2010 EF_{125}	16.0	X	151.84196	189.94562	32.73214	7.78048	0.1431244	0.21593130	2.7516444	21	11 3.2	20.3
343518 2010 EY_{125}	15.8	X	338.96742	292.03117	115.79326	12.54627	0.1535482	0.22888670	2.6468074	21	11 30.1	18.7
343519 2010 EE_{126}	16.6	X	306.45657	307.02973	174.48976	12.60717	0.2469042	0.23804645	2.5784670	21	—	—
343520 2010 ER_{128}	16.7	X	314.44235	40.87873	10.67537	4.59886	0.0740458	0.21730617	2.7400259	21	10 18.3	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343521 2010 EG_{130}	16.6	X	31.00968	328.52683	25.90708	6.51720	0.0363627	0.21990917	2.7183612	21	11 21.2	20.3
343522 2010 EP_{130}	16.5	X	233.82109	287.55128	190.58837	5.01100	0.0336297	0.21298141	2.7769939	21	9 29.9	20.3
343523 2010 ET_{131}	16.7	X	170.80969	108.98259	14.73674	5.37380	0.0505099	0.19982652	2.8975702	21	7 22.7	21.0
343524 2010 EQ_{132}	16.5	X	219.77463	71.73212	20.35828	2.03692	0.0293059	0.20392361	2.8586284	21	8 10.1	20.5
343525 2010 EZ_{132}	16.3	X	181.28455	272.32111	208.75402	9.11339	0.0585830	0.20195014	2.8772214	21	7 27.2	20.7
343526 2010 EF_{133}	16.9	X	222.54498	137.61181	72.12359	3.22071	0.1382052	0.23060882	2.6336139	21	12 29.9	20.7
343527 2010 EX_{133}	16.2	X	125.59710	229.35356	14.89105	9.30290	0.0545747	0.21824199	2.7321875	21	10 30.2	20.2
343528 2010 EH_{134}	15.3	X	279.14714	268.75177	9.99343	9.33798	0.0584220	0.17401370	3.1774624	21	3 13.9	19.9
343529 2010 EB_{136}	17.7	X	72.04072	82.31203	54.18911	6.40727	0.1825135	0.26958683	2.3732142	21	4 17.3	20.0
343530 2010 EB_{137}	15.6	X	327.65038	248.72831	7.47894	16.67360	0.0980628	0.18034639	3.1026379	21	4 6.8	19.6
343531 2010 EM_{138}	16.6	X	80.93456	234.82883	42.51388	4.03355	0.1499118	0.21287622	2.7779086	21	11 1.8	20.8
343532 2010 EV_{138}	15.5	X	299.90198	244.91473	23.67584	15.04908	0.1150111	0.17900699	3.1180953	21	3 20.8	19.9
343533 2010 EC_{139}	15.5	X	303.34007	252.36136	29.36395	9.09787	0.1536114	0.17704706	3.1410649	21	4 2.1	19.8
343534 2010 EG_{139}	15.1	X	108.01909	72.40145	183.09069	9.03607	0.1854720	0.12452990	3.9714914	21	10 28.5	21.2
343535 2010 EZ_{139}	16.1	X	3.26426	11.17787	207.95266	8.79764	0.0226640	0.18084794	3.0968988	21	4 17.8	20.2
343536 2010 ER_{140}	17.1	X	311.42154	9.50364	138.54803	4.66077	0.1766637	0.24338183	2.5406448	21	—	—
343537 2010 EP_{143}	16.0	X	227.54940	39.68396	130.56837	14.32581	0.0325612	0.22630075	2.6669327	21	12 3.2	19.9
343538 2010 FG	17.4	X	245.56022	75.41924	83.97127	3.44008	0.0732120	0.23037094	2.6354266	21	12 3.9	20.7
343539 2010 FW_{2}	16.6	X	352.49364	252.14009	75.25018	4.42406	0.0161126	0.20993150	2.8038255	21	8 25.8	20.3
343540 2010 FZ_{3}	16.4	X	274.00521	352.17058	58.09327	5.23362	0.0654220	0.21130403	2.7916707	21	8 22.2	20.2
343541 2010 FA_{7}	16.2	X	337.96803	22.30149	24.56114	6.14556	0.0197358	0.22385323	2.6863369	21	11 16.9	19.7
343542 2010 FV_{11}	15.4	X	294.87876	288.27097	1.61849	26.13166	0.1808984	0.18141910	3.0903954	21	3 25.2	19.9
343543 2010 FR_{12}	17.3	X	332.85135	167.92334	329.17827	1.91302	0.1137522	0.24424449	2.5346589	21	—	—
343544 2010 FZ_{12}	16.2	X	11.40603	203.35327	17.69746	6.13532	0.0620845	0.18143605	3.0902029	21	4 29.9	20.2
343545 2010 FF_{14}	16.0	X	154.41900	285.77954	169.74982	10.83147	0.0179694	0.18860776	3.0113623	21	5 26.6	20.4
343546 2010 FD_{16}	16.0	X	295.27281	271.02017	1.23547	5.83337	0.0901207	0.17589328	3.1547859	21	3 19.0	20.3
343547 2010 FQ_{20}	16.5	X	318.39543	24.56435	25.66718	6.97173	0.0681998	0.22182515	2.7026856	21	10 23.9	19.6
343548 2010 FM_{22}	16.4	X	133.25949	23.06877	154.91675	7.54197	0.0567877	0.20553441	2.8436732	21	8 16.3	20.4
343549 2010 FG_{25}	16.6	X	339.37262	345.04076	103.93800	3.82168	0.0660015	0.23686762	2.5870148	21	—	—
343550 2010 FR_{25}	17.0	X	167.32259	93.48623	151.09395	3.64127	0.0165512	0.23329111	2.6133882	21	12 22.9	20.5
343551 2010 FU_{25}	16.5	X	316.51512	187.11733	296.63662	2.01787	0.0299679	0.23477926	2.6023332	21	—	—
343552 2010 FC_{26}	15.7	X	232.92579	181.80782	154.14590	10.31214	0.1338854	0.17912959	3.1166724	21	3 25.5	20.7
343553 2010 FW_{29}	16.4	X	342.08185	156.77476	158.73287	6.86776	0.0467952	0.19868055	2.9087015	21	7 21.6	20.2
343554 2010 FD_{30}	16.6	X	184.17346	58.30881	129.02480	3.81862	0.0966211	0.21679234	2.7443538	21	10 26.1	20.7
343555 2010 FM_{30}	16.2	X	301.82917	260.21958	41.15861	1.89375	0.1406986	0.18193111	3.0845944	21	4 24.6	20.4
343556 2010 FQ_{30}	16.7	X	337.58766	203.05979	186.02125	6.10022	0.0330483	0.21852065	2.7298643	21	10 25.8	20.1
343557 2010 FX_{47}	16.7	X	187.04183	136.65200	20.02775	7.22583	0.0699868	0.21327732	2.7744247	21	9 22.0	20.8
343558 2010 FN_{53}	16.2	X	74.15472	147.98171	137.65083	5.86416	0.0873636	0.21481012	2.7612107	21	10 30.0	20.1
343559 2010 FS_{53}	16.5	X	23.74617	221.62973	90.85847	3.21369	0.0596334	0.20853926	2.8162908	21	9 21.8	20.1
343560 2010 FF_{54}	15.7	X	325.90724	230.63188	21.15999	10.77974	0.0456370	0.17736820	3.1372722	21	4 8.2	19.8
343561 2010 FG_{55}	16.8	X	191.39295	13.05415	180.66767	7.26525	0.1126055	0.21948560	2.7218574	21	11 9.5	21.0
343562 2010 FW_{55}	16.2	X	223.91931	122.51866	30.92591	6.50496	0.0562730	0.22124930	2.7073731	21	10 30.7	20.0
343563 2010 FL_{56}	16.0	X	277.52553	271.15066	183.86831	7.01256	0.0969932	0.21890951	2.7266306	21	10 20.3	19.5
343564 2010 FO_{56}	16.2	X	304.26806	133.10229	15.13726	12.43618	0.1609365	0.23964578	2.5669822	21	—	—
343565 2010 FE_{57}	16.6	X	265.68977	55.53163	38.64442	5.57609	0.0529865	0.21734075	2.7397353	21	10 9.3	20.2
343566 2010 FK_{57}	16.7	X	316.61491	0.96740	109.18043	5.31360	0.1398403	0.23695388	2.5863870	21	—	—
343567 2010 FB_{83}	15.7	X	278.16152	329.55801	26.50787	12.36679	0.0055782	0.19705884	2.9246379	21	6 22.0	20.0
343568 2010 FD_{83}	16.9	X	300.70742	42.48847	93.14706	3.58294	0.0788195	0.23781352	2.5801504	21	—	—
343569 2010 FU_{83}	16.2	X	158.09351	52.42672	34.47780	6.90333	0.1164793	0.18903967	3.0067737	21	5 23.2	20.9
343570 2010 FR_{84}	16.2	X	153.22824	172.84018	46.97841	13.48098	0.0506475	0.21300832	2.7767599	21	11 2.1	20.1
343571 2010 FX_{84}	16.6	X	144.78305	327.60728	222.03885	3.59197	0.0076211	0.21112653	2.7932352	21	9 10.7	20.5
343572 2010 FF_{85}	15.7	X	65.16801	117.89112	57.07622	9.80736	0.0739400	0.18559059	3.0439119	21	5 20.0	19.7
343573 2010 FJ_{85}	15.4	X	102.78341	355.02695	141.22342	13.26642	0.0371605	0.19051559	2.9912247	21	5 18.5	19.8
343574 2010 FC_{86}	16.4	X	46.20210	146.34266	186.56947	5.84675	0.0518368	0.21928633	2.7235060	21	11 18.2	20.0
343575 2010 FW_{86}	16.1	X	35.21304	354.32931	168.27921	9.84190	0.0356994	0.17520778	3.1630093	21	3 22.1	20.3
343576 2010 FD_{87}	15.9	X	347.29769	191.64864	58.28950	25.74437	0.2052419	0.26951050	2.3736623	21	4 19.4	18.4
343577 2010 FF_{88}	16.4	X	328.89570	189.60477	52.08361	2.28650	0.1090691	0.17722933	3.1389108	21	3 23.3	20.5
343578 2010 FH_{88}	15.6	X	218.66557	355.36933	0.97465	11.12911	0.0688898	0.18068371	3.0987750	21	4 4.1	20.4
343579 2010 FO_{88}	16.9	X	204.37153	57.30762	98.92134	2.95660	0.1033070	0.21544528	2.7557812	21	10 8.1	21.0
343580 2010 FG_{89}	16.9	X	212.10456	294.87678	198.47305	3.92968	0.0137167	0.21452985	2.7636151	21	9 24.4	20.5
343581 2010 FR_{90}	16.9	X	112.46976	19.76168	215.26414	2.75313	0.0368638	0.21139572	2.7908634	21	10 2.2	20.9
343582 2010 FX_{94}	16.3	X	331.55509	287.48518	34.31543	12.53729	0.0088279	0.19686994	2.9265084	21	7 21.4	20.5
343583 2010 FY_{94}	17.1	X	274.26565	345.52869	148.49404	3.58632	0.0577695	0.22673962	2.6634902	21	12 11.7	20.6
343584 2010 FA_{95}	16.5	X	249.30551	313.79724	115.23209	3.13864	0.0416705	0.20346374	2.8629342	21	8 15.5	20.3
343585 2010 FG_{101}	16.2	X	260.33842	247.93356	63.47989	5.71579	0.1559347	0.17305853	3.1891434	21	3 22.3	21.1
343586 2010 GM_{9}	13.2	X	316.95692	308.67383	1.83620	15.49969	0.0707041	0.08538108	5.1077342	21	6 7.9	20.0
343587 Mamuna	15.4	X	289.54559	31.53987	46.01782	26.85350	0.1284312	0.21886670	2.7269861	21	10 19.2	19.0
343588 2010 GE_{27}	15.6	X	167.83874	297.00496	164.21061	10.86429	0.0827223	0.19064991	2.9898195	21	6 20.2	20.3
343589 2010 GL_{28}	15.8	X	58.06122	227.83514	337.67610	9.59488	0.1794228	0.19070536	2.9892400	21	7 6.8	19.7
343590 2010 GG_{33}	16.1	X	232.54128	179.74912	11.20385	14.14596	0.1675565	0.23308856	2.6149019	21	12 12.7	20.0
343591 2010 GU_{62}	15.9	X	207.96976	320.43714	219.88243	14.95116	0.1433356	0.22108788	2.7086908	21	11 6.3	20.0
343592 2010 GN_{66}	15.9	X	245.13350	139.95236	39.57821	13.60324	0.1124922	0.22821093	2.6520299	21	12 21.7	19.7
343593 2010 GY_{95}	17.6	X	182.25007	190.43619	239.12488	2.55617	0.1059849	0.29174131	2.2514938	21	5 22.2	20.7
343594 2010 GJ_{97}	16.6	X	13.46276	66.58742	186.41808	7.82561	0.0820980	0.18869865	3.0103953	21	6 16.1	20.4
343595 2010 GO_{98}	15.6	X	186.66647	318.95798	73.20865	10.02769	0.0875893	0.17603344	3.1531111	21	4 19.8	20.5
343596 2010 GH_{101}	16.0	X	268.20338	155.46616	163.55925	8.50079	0.0834538	0.17669371	3.1452511	21	4 16.1	20.6
343597 2010 GR_{101}	16.5	X	159.58019	94.68207	25.95319	6.16377	0.0419434	0.19733383	2.9219202	21	7 4.2	20.8
343598 2010 GV_{103}	16.0	X	292.81961	288.28332	25.63003	17.51893	0.1736021	0.18203698	3.0833983	21	4 22.4	20.4
343599 2010 GD_{105}	15.9	X	44.55628	191.96733	173.34645	12.50502	0.1709684	0.23213055	2.6220915	21	—	—
343600 2010 GE_{109}	16.4	X	44.00271	218.73608	217.93264	4.04549	0.1667225	0.24367898	2.5385789	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343601 2010 GN_{109}	16.2	X	144.36284	272.92228	183.50057	11.11119	0.0597436	0.18606242	3.0387638	21	5 19.2	20.8
343602 2010 GU_{110}	16.4	X	220.89940	28.31075	18.35336	12.30256	0.0666120	0.19134221	2.9826035	21	6 7.2	21.0
343603 2010 GW_{111}	16.4	X	25.37956	12.77421	214.21360	8.81838	0.0298182	0.18512213	3.0490449	21	5 28.4	20.5
343604 2010 GY_{112}	16.2	X	83.72976	332.40365	161.74073	7.95299	0.1045140	0.18106468	3.0944268	21	4 30.1	20.5
343605 2010 GE_{113}	15.8	X	303.67265	220.98159	86.25741	6.67504	0.1124645	0.18346558	3.0673711	21	5 10.4	19.9
343606 2010 GF_{114}	16.4	X	332.55066	79.80071	215.00942	12.80699	0.0229614	0.18799253	3.0179288	21	6 12.7	20.7
343607 2010 GQ_{114}	15.8	X	274.99911	85.33933	223.95877	10.80796	0.0580474	0.17683556	3.1435688	21	4 11.7	20.4
343608 2010 GW_{114}	16.7	X	41.56465	266.14498	26.10461	10.02197	0.0471754	0.20331600	2.8643210	21	9 19.9	20.5
343609 2010 GB_{115}	16.6	X	293.46934	264.06855	219.61094	8.08111	0.1536976	0.22933067	2.6433903	21	12 16.8	19.5
343610 2010 GC_{116}	16.4	X	315.39560	354.20110	94.17070	8.38140	0.0910643	0.22274149	2.6952681	21	12 9.5	19.6
343611 2010 GS_{121}	16.0	X	9.77572	162.63100	57.06825	2.32516	0.1453276	0.17943136	3.1131770	21	4 26.7	19.3
343612 2010 GH_{122}	15.9	X	292.13460	157.04486	159.35515	10.31505	0.0723889	0.18478707	3.0527295	21	5 13.8	20.3
343613 2010 GX_{122}	16.5	X	280.75381	277.12013	267.24763	4.38348	0.0472878	0.23900258	2.5715857	21	—	—
343614 2010 GD_{125}	16.0	X	281.26430	7.96482	68.54408	6.17033	0.0416706	0.21572162	2.7534272	21	10 10.2	19.7
343615 2010 GE_{125}	16.5	X	265.50943	137.08295	181.40063	18.17565	0.0842758	0.17981188	3.1087833	21	4 11.5	21.1
343616 2010 GC_{127}	16.0	X	143.04078	236.08752	173.04820	10.53607	0.0571756	0.16907964	3.2389818	21	3 20.4	20.6
343617 2010 GT_{128}	16.0	X	320.50706	48.76511	173.31631	10.84227	0.0836416	0.17142189	3.2094100	21	2 17.6	20.4
343618 2010 GD_{138}	17.2	X	322.36659	226.80270	227.97714	4.09289	0.2150055	0.23485603	2.6017660	21	—	—
343619 2010 GM_{138}	16.4	X	118.18069	257.74878	222.54959	5.28322	0.0452973	0.18644311	3.0346259	21	5 14.9	20.8
343620 2010 GY_{138}	15.4	X	79.56378	54.05727	96.35210	12.15826	0.0472071	0.17715784	3.1397553	21	5 9.1	19.9
343621 2010 GV_{139}	16.4	X	240.31216	75.60003	56.63276	5.52774	0.0644317	0.21699445	2.7426494	21	10 23.9	20.1
343622 2010 GF_{140}	15.9	X	310.16511	221.88125	49.08551	11.17291	0.0788014	0.17647584	3.1478392	21	4 10.3	20.2
343623 2010 GL_{156}	16.3	X	71.39113	220.70002	55.86447	7.17532	0.0136319	0.21036829	2.7999431	21	10 4.6	20.1
343624 2010 GN_{156}	16.2	X	116.68290	0.71867	6.29167	7.36338	0.1630739	0.24335708	2.5408170	21	—	—
343625 2010 GA_{157}	15.4	X	16.06607	111.47249	102.28286	13.24019	0.1122329	0.17978266	3.1091202	21	5 5.1	19.4
343626 2010 GP_{158}	16.0	X	201.37334	306.62282	169.35508	16.15931	0.2032287	0.20314663	2.8659128	21	8 5.9	20.9
343627 2010 HY_{31}	12.9	X	331.95089	54.70236	249.77898	14.24191	0.1263896	0.08391077	5.1672273	21	6 17.6	19.2
343628 2010 HC_{41}	13.1	X	319.29312	34.18426	277.76206	12.53291	0.1157294	0.08197844	5.2481104	21	6 10.2	19.7
343629 2010 HA_{78}	16.1	X	233.80120	38.06860	43.30403	10.80488	0.0960797	0.20201546	2.8766011	21	8 9.4	20.5
343630 2010 HP_{99}	16.3	X	289.45076	309.89146	276.48712	9.88725	0.1503818	0.23603473	2.5930971	21	—	—
343631 2010 HB_{105}	16.2	X	237.56221	84.16299	47.81558	9.68547	0.0814364	0.21527594	2.7572261	21	10 18.6	20.0
343632 2010 HR_{107}	16.1	X	245.11234	78.98968	65.98783	13.70552	0.0396156	0.22009987	2.7167907	21	11 19.0	19.8
343633 2010 HW_{107}	15.8	X	265.63472	116.84538	224.63431	17.30561	0.0642642	0.18242408	3.0790349	21	5 11.1	20.2
343634 2010 HV_{110}	12.9	X	338.82010	248.51241	51.83619	19.37594	0.1030484	0.08492706	5.1259219	21	6 23.2	19.4
343635 2010 JC_{4}	16.8	X	345.78677	312.98612	173.97082	13.47655	0.1540150	0.25450698	2.4660559	21	—	—
343636 2010 JA_{29}	16.3	X	136.36262	357.15057	181.69848	13.12965	0.1971566	0.20082217	2.8879851	21	8 27.9	21.2
343637 2010 JE_{29}	15.5	X	311.83941	139.30587	147.16848	11.13370	0.0436077	0.17683270	3.1436027	21	5 7.2	20.0
343638 2010 JB_{31}	16.5	X	223.96944	308.73747	185.78915	13.34754	0.2074818	0.21710168	2.7417463	21	9 19.4	20.9
343639 2010 JM_{36}	16.7	X	245.81475	260.36162	209.33521	5.23629	0.0233544	0.20929493	2.8095078	21	10 4.8	20.4
343640 2010 JM_{38}	15.9	X	250.10905	315.66018	242.23476	14.84923	0.2195575	0.23363168	2.6108478	21	—	—
343641 2010 JV_{38}	16.5	X	262.87142	313.91135	36.63481	14.15642	0.0718842	0.18560506	3.0437537	21	5 15.5	21.0
343642 2010 JC_{42}	13.0	X	25.81160	291.23723	317.86272	21.49582	0.0661738	0.08228451	5.2350880	21	7 3.6	19.8
343643 2010 JF_{49}	16.0	X	5.69399	18.27862	18.42909	14.10280	0.2435034	0.23075770	2.6324810	21	—	—
343644 2010 JX_{69}	13.2	X	33.82755	309.54245	297.06489	13.02334	0.1055242	0.08365309	5.1778334	21	7 11.5	19.6
343645 2010 JL_{72}	16.2	X	169.24902	320.72774	179.90545	12.22007	0.1031304	0.19972444	2.8985574	21	8 8.1	20.8
343646 2010 JN_{72}	15.9	X	222.27875	303.18504	104.82234	9.96983	0.0210646	0.18818206	3.0159021	21	6 17.0	20.1
343647 2010 JP_{74}	15.7	X	111.46788	240.73685	222.38962	9.36004	0.0386806	0.17346562	3.1841519	21	4 13.8	20.3
343648 2010 JE_{80}	15.2	X	206.30363	266.21177	125.13560	16.63326	0.0412808	0.17821514	3.1273248	21	5 12.6	20.1
343649 2010 JD_{84}	15.8	X	274.83252	251.53944	53.98296	11.46703	0.0701192	0.17627302	3.1502533	21	4 10.8	20.4
343650 2010 JY_{85}	17.5	X	316.52435	279.26952	276.13247	4.15257	0.0578250	0.25969170	2.4331227	21	—	—
343651 2010 JH_{115}	15.6	X	353.43597	240.40062	24.61283	17.91835	0.1579838	0.18353779	3.0665664	21	5 22.1	19.3
343652 2010 JG_{122}	15.9	X	319.90293	176.98037	87.69046	4.62678	0.0780092	0.17401489	3.1774480	21	4 14.5	20.2
343653 2010 JB_{123}	15.5	X	184.00490	264.08264	126.13347	10.63417	0.0317855	0.17012959	3.2256418	21	4 14.9	20.4
343654 2010 KA	15.8	X	98.45941	193.45971	80.08924	15.64559	0.0817266	0.22502701	2.6769872	21	11 14.3	19.8
343655 2010 KN_{36}	15.5	X	11.30476	174.64533	61.83842	12.39505	0.1136911	0.18163525	3.0879431	21	5 21.9	19.2
343656 2010 LR_{46}	16.9	X	314.35353	298.23208	19.27483	10.43140	0.0314742	0.19697524	2.9254653	21	6 15.7	21.0
343657 2010 LU_{60}	16.0	X	354.16262	64.46795	153.25181	6.12807	0.1150930	0.17097919	3.2149474	21	4 1.2	19.9
343658 2010 LA_{61}	15.6	X	105.13081	238.07803	246.57299	6.70470	0.0543320	0.17465919	3.1696289	21	5 5.3	20.2
343659 2010 LO_{65}	15.7	X	164.81435	329.88108	113.96179	11.07218	0.1321384	0.18090959	3.0961951	21	5 30.3	20.7
343660 2010 LW_{113}	16.1	X	306.53830	28.38773	137.57694	6.06200	0.2313405	0.23920024	2.5701688	21	—	—
343661 2010 MU_{16}	15.9	X	270.98606	67.99340	185.20195	10.89272	0.0465660	0.16789126	3.2542480	21	1 31.5	20.8
343662 2010 MO_{56}	16.1	X	210.97538	289.27769	215.02571	8.65497	0.1008584	0.21737912	2.7394129	21	9 27.1	20.2
343663 2010 NL_{5}	13.5	X	277.62596	136.07505	229.18265	15.13851	0.0649971	0.08151985	5.2677740	21	6 24.9	20.6
343664 2010 NM_{16}	16.1	X	192.80615	165.56825	186.67704	8.93241	0.0687913	0.17004184	3.2267515	21	3 4.8	21.1
343665 2010 NM_{74}	15.8	X	134.23579	204.42423	236.72519	26.26306	0.1319634	0.17985297	3.1083098	21	4 22.8	20.8
343666 2010 OD_{37}	15.6	X	234.91406	74.53034	302.99304	15.19746	0.0826405	0.18433203	3.0577514	21	5 14.7	20.5
343667 2010 OY_{49}	15.5	X	254.03113	263.16010	39.03248	17.03421	0.0845521	0.16864450	3.2445510	21	3 17.9	20.6
343668 2010 OY_{52}	16.2	X	238.85081	248.34186	130.42576	9.93611	0.1559437	0.18417559	3.0594827	21	5 20.5	21.1
343669 2010 OP_{53}	16.5	X	181.61691	117.03099	12.65498	17.71600	0.0730850	0.20042342	2.8918143	21	8 18.3	21.1
343670 2010 OU_{57}	15.9	X	316.02272	27.14634	253.72101	12.35531	0.1132972	0.17858136	3.1230478	21	4 18.9	20.2
343671 2010 OV_{60}	15.8	X	347.43237	196.16143	47.45425	17.24939	0.0057136	0.17922056	3.1156177	21	4 30.7	20.1
343672 2010 OP_{69}	15.7	X	225.96617	183.50832	207.56845	9.71899	0.0746623	0.18494154	3.0510295	21	5 26.8	20.3
343673 2010 OD_{74}	15.8	X	17.17660	25.62931	163.21316	11.51347	0.1252451	0.17453899	3.1710840	21	4 1.2	19.6
343674 2010 OM_{78}	15.9	X	283.15582	175.83210	40.06828	6.52760	0.0365846	0.15609181	3.4162474	21	1 8.4	20.8
343675 2010 OU_{80}	16.3	X	352.79574	32.91947	215.90834	11.39075	0.1034352	0.18043695	3.1015996	21	5 8.2	20.0
343676 2010 OJ_{92}	16.0	X	325.11448	185.01023	90.69603	6.22178	0.1154504	0.17902513	3.1178847	21	4 30.8	20.0
343677 2010 RT_{152}	16.6	X	354.19554	70.69047	160.49151	3.58791	0.1543530	0.24130258	2.5552187	21	4 3.8	19.2
343678 2010 TC_{126}	16.8	X	124.53515	306.19537	103.28147	3.28950	0.1982223	0.22100336	2.7093813	21	3 11.5	20.7
343679 2010 TV_{144}	16.1	X	346.56158	143.42066	232.28643	8.79149	0.0833058	0.17685201	3.1433739	21	10 12.5	20.2
343680 2010 UD_{2}	13.3	X	208.24702	299.40254	231.32947	16.27676	0.1425738	0.08243233	5.2288276	21	10 9.3	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343681 2010 VN_{199}	13.1	X	316.79426	311.73709	113.34252	5.42933	0.0967157	0.08370329	5.1757629	21	10 19.5	19.6
343682 2010 XW_{67}	16.7	X	105.23001	253.57956	324.82741	12.15870	0.1812156	0.22714952	2.6602850	21	9 15.3	20.9
343683 2011 AW_{19}	16.7	X	180.11996	359.78363	91.03010	7.39457	0.1330666	0.23098901	2.6307233	21	6 19.5	20.8
343684 2011 BM_{35}	17.6	X	223.48804	119.66279	132.51052	2.97169	0.1796634	0.27369624	2.3493993	21	—	—
343685 2011 BA_{47}	17.7	X	357.39529	136.91293	4.79563	20.09811	0.0630748	0.37616709	1.9005626	21	—	—
343686 2011 BP_{88}	17.0	X	76.87937	296.85673	312.12326	11.03933	0.2986853	0.22622885	2.6674977	21	10 6.3	21.4
343687 2011 BY_{143}	17.7	X	305.81324	333.65281	288.07556	2.98262	0.2381033	0.29333680	2.2433223	21	2 7.3	20.7
343688 2011 CX_{18}	16.4	X	84.42454	277.21830	319.25197	12.62289	0.2218932	0.22932940	2.6434000	21	9 20.1	20.6
343689 2011 CT_{22}	13.3	X	296.31322	337.46817	112.76302	14.83503	0.1199104	0.08445964	5.1448166	21	10 22.9	20.0
343690 2011 CQ_{26}	16.2	X	46.28429	309.58736	102.71352	6.95650	0.1418804	0.18321729	3.0701417	21	—	—
343691 2011 CU_{43}	17.4	X	172.20520	54.45958	216.68268	2.02738	0.1901403	0.26533836	2.3984796	21	—	—
343692 2011 CJ_{109}	18.2	X	312.17651	99.37124	157.77868	7.99775	0.1506762	0.29487336	2.2355224	21	2 21.2	20.9
343693 2011 CF_{115}	17.4	X	103.28293	65.93300	196.23730	5.25916	0.2603319	0.23970686	2.5665461	21	11 17.7	21.8
343694 2011 DH_{1}	16.5	X	64.49883	343.25208	332.84079	9.71484	0.2289998	0.24481579	2.5307142	21	12 15.6	20.5
343695 2011 DB_{8}	17.3	X	255.45244	253.16077	6.06388	5.73582	0.1874371	0.27510426	2.3413760	21	—	—
343696 2011 DG_{20}	17.7	X	337.77099	64.96057	166.12043	6.23543	0.1348937	0.29030375	2.2589205	21	2 24.9	20.2
343697 2011 DO_{21}	16.6	X	317.81949	212.37027	325.08820	5.51787	0.2799863	0.27543031	2.3395279	21	—	—
343698 2011 DP_{23}	17.8	X	174.19060	164.45456	133.66226	2.06128	0.1787129	0.26374290	2.4081426	21	—	—
343699 2011 DT_{24}	17.0	X	307.20129	121.67118	107.92575	5.37213	0.1241825	0.28484030	2.2877142	21	1 15.0	20.1
343700 2011 DB_{30}	17.4	X	309.95800	227.39863	15.63480	3.83439	0.2008738	0.28677793	2.2773978	21	1 26.4	20.4
343701 2011 DB_{42}	17.4	X	178.97064	110.63229	144.41165	2.90602	0.1647548	0.25583361	2.4575233	21	—	—
343702 2011 DN_{50}	17.0	X	296.05930	26.59375	205.08212	10.58409	0.1930281	0.28163078	2.3050621	21	—	—
343703 2011 EY_{3}	17.1	X	95.00754	121.28903	170.86355	16.61846	0.1753715	0.24185910	2.5512974	21	12 11.7	21.5
343704 2011 ES_{12}	16.4	X	52.52101	60.06871	155.58699	15.85878	0.2057402	0.21232330	2.7827292	21	7 13.9	20.0
343705 2011 EZ_{16}	17.6	X	65.86468	11.06470	342.86646	18.60482	0.0675093	0.35417002	1.9784641	21	—	—
343706 2011 EN_{17}	15.6	X	231.49926	223.49056	56.91669	28.60192	0.2269402	0.17496893	3.1658872	21	1 16.2	21.5
343707 2011 ET_{17}	15.4	X	26.72067	131.15789	217.99134	8.18609	0.2858926	0.24332729	2.5410244	21	12 21.9	18.7
343708 2011 EV_{20}	17.2	X	347.80418	257.22918	333.69391	5.16171	0.1324058	0.29677301	2.2259724	21	3 12.3	19.3
343709 2011 EG_{25}	17.4	X	291.52315	92.52115	155.88565	5.27141	0.1037375	0.28341399	2.2953832	21	1 23.1	20.5
343710 2011 EM_{25}	17.0	X	171.90302	173.94836	128.88131	6.08600	0.1528078	0.26318256	2.4115595	21	—	—
343711 2011 EN_{25}	16.5	X	161.87634	228.39582	51.09485	7.46682	0.1718255	0.25337673	2.4733841	21	—	—
343712 2011 ES_{26}	17.9	X	296.37917	143.75519	144.69625	4.67460	0.1508591	0.29619025	2.2288913	21	3 17.4	20.6
343713 2011 ED_{36}	16.1	X	122.67568	326.38925	1.97325	23.67690	0.2140909	0.25999578	2.4312252	21	—	—
343714 2011 EL_{37}	17.3	X	202.71641	189.61723	128.50178	6.77367	0.1851626	0.27712985	2.3299531	21	1 22.1	21.0
343715 2011 ER_{39}	16.9	X	74.37994	274.15558	29.70998	14.51481	0.2194340	0.23455536	2.6039890	21	12 5.2	21.1
343716 2011 EW_{54}	16.3	X	56.91794	192.77171	68.88330	6.39925	0.0968992	0.22357313	2.6885801	21	9 9.9	19.8
343717 2011 EZ_{64}	18.0	X	270.48691	166.51596	125.14787	6.02461	0.2473603	0.28849477	2.2683536	21	2 12.9	21.7
343718 2011 EP_{66}	17.6	X	198.09568	82.55517	161.73087	2.73622	0.1348528	0.25842596	2.4410610	21	—	—
343719 2011 ES_{67}	16.8	X	161.90571	113.67527	180.25672	6.72622	0.1898529	0.26060261	2.4274496	21	—	—
343720 2011 EM_{68}	17.2	X	179.02273	108.27269	173.62885	9.27242	0.1802169	0.26055990	2.4277148	21	—	—
343721 2011 EW_{68}	17.6	X	289.12732	121.75405	126.16150	5.58250	0.1996134	0.28055170	2.3109689	21	1 10.7	21.0
343722 2011 ED_{69}	17.2	X	188.21256	209.49790	71.45823	6.30269	0.1882442	0.26137658	2.4226552	21	—	—
343723 2011 EY_{70}	17.5	X	304.60509	261.18827	333.54410	2.57556	0.1915098	0.28340949	2.2954075	21	1 10.7	20.7
343724 2011 EK_{71}	17.6	X	279.50780	146.39601	112.24170	3.65130	0.1316555	0.28021296	2.3128310	21	1 21.3	20.8
343725 2011 EN_{72}	16.7	X	123.37642	340.03933	344.37615	5.92827	0.1255484	0.25836244	2.4414611	21	—	—
343726 2011 EL_{74}	17.8	X	335.08829	17.89938	235.75890	4.06691	0.1147112	0.29447955	2.2375150	21	3 27.4	20.0
343727 2011 EY_{77}	17.6	X	42.60915	96.53933	33.39746	22.36921	0.0348847	0.38054664	1.8859527	21	—	—
343728 2011 EK_{78}	18.5	X	330.38527	294.52906	172.71407	22.51457	0.0757090	0.36006996	1.9567926	21	—	—
343729 2011 EY_{81}	17.6	X	1.77172	125.53608	317.95657	17.18563	0.0935673	0.36408853	1.9423674	21	—	—
343730 2011 FY	17.4	X	317.40948	26.13515	196.73396	6.24502	0.0621275	0.28498783	2.2869246	21	1 26.3	20.2
343731 2011 FR_{1}	17.7	X	261.06683	291.12533	6.42804	8.00162	0.1539263	0.28995660	2.2607231	21	2 20.1	21.0
343732 2011 FL_{2}	17.0	X	305.64623	84.87010	202.32157	4.33144	0.1814391	0.29353146	2.2423304	21	3 21.2	19.7
343733 2011 FV_{5}	16.7	X	224.84411	203.81792	34.78409	13.99258	0.2713091	0.25772921	2.4454584	21	—	—
343734 2011 FV_{7}	17.2	X	0.41870	194.17532	45.08085	8.94409	0.1747412	0.29403296	2.2397800	21	4 18.9	18.7
343735 2011 FS_{8}	17.0	X	202.72559	245.57507	13.86356	5.08225	0.0996734	0.26017724	2.4300946	21	—	—
343736 2011 FZ_{8}	17.1	X	149.88256	67.51893	200.12317	15.55711	0.1136721	0.24471464	2.5314115	21	12 28.8	21.3
343737 2011 FO_{9}	17.9	X	317.95676	202.17707	50.02453	6.75765	0.0916926	0.29299148	2.2450847	21	3 8.4	20.5
343738 2011 FD_{12}	16.5	X	196.72786	349.01522	203.68373	15.23278	0.1127639	0.24045200	2.5612410	21	11 16.3	20.3
343739 2011 FW_{12}	16.9	X	90.62055	248.35289	70.48913	9.67117	0.2363867	0.24142760	2.5543365	21	—	—
343740 2011 FE_{13}	17.0	X	224.45148	95.28777	159.24065	6.80153	0.0969419	0.26110209	2.4243528	21	—	—
343741 2011 FW_{14}	17.9	X	321.00927	298.04254	11.51508	3.16441	0.0549122	0.30906664	2.1665463	21	6 7.9	20.0
343742 2011 FC_{15}	16.3	X	118.38356	330.59511	6.23796	16.67671	0.2195198	0.25987124	2.4320019	21	—	—
343743 Kjurkchieva	16.6	X	90.72707	3.10927	219.69741	7.08226	0.1499362	0.22270820	2.6955367	21	9 2.9	20.7
343744 2011 FL_{21}	17.5	X	191.21601	186.53052	118.06220	2.32092	0.1842770	0.26802436	2.3824285	21	—	—
343745 2011 FB_{30}	16.7	X	48.95159	225.58821	46.32377	6.36271	0.2212214	0.22119076	2.7078508	21	9 30.9	20.1
343746 2011 FK_{31}	16.9	X	195.35797	214.84207	37.29488	6.89498	0.0947911	0.25531760	2.4608334	21	—	—
343747 2011 FX_{34}	17.4	X	114.53597	142.55287	137.16293	4.16624	0.1744408	0.24183993	2.5514323	21	12 13.1	21.5
343748 2011 FM_{36}	16.6	X	121.46157	180.05202	121.61830	6.21516	0.2761254	0.24510920	2.5286942	21	—	—
343749 2011 FY_{47}	16.3	X	294.63156	121.35212	122.64585	1.42927	0.2279083	0.17965426	3.1106015	21	1 25.1	21.1
343750 2011 FA_{48}	16.4	X	36.48375	265.20685	35.82996	13.55974	0.2155252	0.21907782	2.7252338	21	10 19.6	19.7
343751 2011 FN_{48}	17.6	X	98.51971	58.68821	112.06383	7.05242	0.0242683	0.30362475	2.1923569	21	6 18.6	20.0
343752 2011 FQ_{48}	16.6	X	291.79995	97.60240	183.20924	13.07409	0.2718810	0.18422677	3.0589161	21	2 26.6	21.3
343753 2011 FT_{51}	17.4	X	358.14865	56.81264	186.19304	5.92499	0.1713814	0.29940019	2.2129316	21	4 18.6	18.8
343754 2011 FG_{56}	17.3	X	339.44527	58.29216	185.84666	6.95009	0.0822654	0.29458273	2.2369925	21	3 27.3	19.3
343755 2011 FJ_{56}	16.7	X	58.55483	68.50291	193.18427	13.81998	0.2185204	0.22004976	2.7172032	21	9 26.2	20.3
343756 2011 FF_{60}	17.4	X	83.45737	253.75683	12.66258	2.08730	0.1639139	0.22928865	2.6437132	21	10 25.2	21.2
343757 2011 FM_{63}	17.7	X	180.59828	199.18395	98.15008	2.40555	0.1713082	0.26490281	2.4011079	21	—	—
343758 2011 FY_{82}	17.9	X	274.26401	124.49687	151.11851	2.54416	0.1527936	0.28347300	2.2950646	21	2 3.5	21.3
343759 2011 FE_{83}	17.0	X	167.09230	266.69528	36.43942	5.99472	0.1805313	0.26113281	2.4241626	21	—	—
343760 2011 FS_{83}	17.9	X	14.18963	55.55226	158.68790	2.93425	0.1516976	0.29679014	2.2258868	21	4 8.9	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343761 2011 FT_{88}	16.4	X	84.50824	293.91784	335.90326	10.73419	0.1654449	0.23129395	2.6284106	21	10 26.5	20.5
343762 2011 FC_{103}	17.2	X	189.99106	215.26618	44.12287	3.88823	0.1987134	0.25916015	2.4364485	21	—	—
343763 2011 FQ_{120}	17.9	X	230.04034	283.93528	342.02067	2.55806	0.1721804	0.26930421	2.3748743	21	—	—
343764 2011 FO_{126}	17.7	X	26.38863	276.59414	280.18493	2.86630	0.1077265	0.29855404	2.2171109	21	4 4.1	19.7
343765 2011 FN_{130}	17.2	X	222.46270	287.94470	341.07448	6.22836	0.1131697	0.27303786	2.3531745	21	—	—
343766 2011 FZ_{140}	17.5	X	261.36579	103.46797	191.16523	5.79408	0.1320906	0.28673823	2.2776080	21	2 14.3	21.0
343767 2011 FK_{141}	17.7	X	8.96874	34.27099	205.56284	4.82071	0.1286124	0.29767141	2.2214914	21	5 11.7	19.3
343768 2011 FD_{142}	16.6	X	93.33050	115.66327	175.95731	11.14854	0.1982984	0.23440359	2.6051128	21	12 9.7	21.0
343769 2011 FM_{145}	17.0	X	288.60236	289.54611	280.40660	5.51071	0.2055380	0.27286433	2.3541721	21	—	—
343770 2011 FJ_{148}	17.0	X	302.35859	243.07070	44.88864	7.27225	0.1391226	0.29136308	2.2534419	21	3 28.8	19.7
343771 2011 FY_{148}	17.8	X	301.35508	239.77645	346.78900	4.97030	0.1274092	0.27951900	2.3166575	21	1 5.5	21.1
343772 2011 FV_{149}	17.2	X	1.34844	326.23601	213.60476	4.90025	0.0363122	0.28551458	2.2841109	21	2 2.2	19.9
343773 2011 FC_{150}	16.9	X	316.33833	152.91807	99.53436	6.87312	0.0768029	0.28822616	2.2697627	21	3 9.3	19.6
343774 2011 FN_{150}	16.9	X	235.37618	135.08352	112.76866	3.60184	0.1512968	0.26824201	2.3811396	21	—	—
343775 2011 FA_{151}	16.1	X	112.28127	279.51276	325.95655	10.85297	0.1443305	0.23036412	2.6354786	21	10 21.9	20.5
343776 2011 FV_{154}	17.1	X	75.38063	314.56716	57.66384	22.58029	0.0810994	0.35952922	1.9587541	21	—	—
343777 2011 GL	16.8	X	161.26399	229.52131	92.77897	3.26822	0.2319453	0.26187890	2.4195562	21	—	—
343778 2011 GK_{1}	17.0	X	249.82002	78.31348	223.10291	5.50481	0.1095300	0.28468544	2.2885437	21	2 12.1	20.4
343779 2011 GF_{2}	16.9	X	103.02026	71.21520	182.23921	29.58209	0.3034247	0.23169456	2.6253799	21	11 10.7	21.9
343780 2011 GQ_{3}	17.8	X	333.51833	190.22655	58.05399	4.72651	0.1315124	0.29164816	2.2519732	21	3 19.0	20.1
343781 2011 GJ_{13}	17.4	X	338.19387	334.46886	253.70391	2.91842	0.1278117	0.28903309	2.2655362	21	2 21.8	19.9
343782 2011 GN_{28}	17.3	X	271.94444	228.73456	79.76760	6.91313	0.1861115	0.28740177	2.2741011	21	3 15.9	20.7
343783 2011 GP_{30}	17.6	X	7.16834	340.13666	171.25320	2.21308	0.1292932	0.27938486	2.3173989	21	—	—
343784 2011 GZ_{31}	17.5	X	339.97592	349.07198	215.18270	5.48697	0.0486375	0.28169479	2.3047129	21	2 3.9	20.4
343785 2011 GB_{36}	17.3	X	296.03878	341.86788	263.97769	5.63197	0.0659853	0.28282697	2.2985582	21	1 29.3	20.2
343786 2011 GL_{37}	17.0	X	126.07598	275.80012	20.79412	3.58563	0.1775608	0.25388854	2.4700589	21	—	—
343787 2011 GU_{41}	17.0	X	92.20227	233.10071	171.30572	22.38242	0.1028314	0.36982439	1.9222315	21	—	—
343788 2011 GT_{48}	17.0	X	100.73548	86.71912	201.63019	12.56939	0.1698502	0.23762917	2.5814846	21	12 10.2	21.3
343789 2011 GU_{49}	17.0	X	77.27769	101.75883	200.23215	9.34524	0.2226595	0.23304326	2.6152408	21	12 8.9	21.2
343790 2011 GH_{53}	17.2	X	97.50759	237.69708	8.36559	3.45275	0.1659093	0.22572935	2.6714314	21	10 14.2	21.1
343791 2011 GR_{56}	16.7	X	127.57185	250.61429	23.70555	5.62397	0.2402151	0.23683581	2.5872464	21	12 17.7	21.3
343792 2011 GH_{57}	16.6	X	28.03087	254.92184	66.76394	7.95776	0.1323264	0.22801313	2.6535634	21	10 24.0	19.8
343793 2011 GR_{58}	17.1	X	83.75049	119.29779	140.43436	4.64124	0.2031947	0.22578307	2.6710076	21	10 23.5	21.1
343794 2011 GO_{61}	13.1	X	296.49538	359.31329	94.42095	9.16341	0.0190044	0.08220993	5.2382537	21	11 3.8	20.0
343795 2011 GO_{63}	17.1	X	266.59803	238.83116	70.24514	5.40544	0.1750767	0.28662490	2.2782083	21	3 11.4	20.5
343796 2011 GA_{64}	17.9	X	319.37048	257.43364	6.10207	1.96928	0.1557604	0.29352035	2.2423870	21	3 12.3	20.4
343797 2011 GA_{65}	17.4	X	342.50089	115.59668	121.25404	4.69979	0.1695585	0.29104440	2.2550866	21	3 10.1	19.5
343798 2011 GB_{65}	16.8	X	169.08939	136.58939	144.74872	6.63124	0.1064660	0.25481679	2.4640567	21	—	—
343799 2011 GE_{65}	16.9	X	195.47400	162.59344	127.27671	7.34133	0.1350143	0.26354182	2.4093674	21	—	—
343800 2011 GD_{66}	15.5	X	261.43887	321.88136	312.38481	15.54257	0.2536750	0.17871899	3.1214443	21	1 28.8	20.7
343801 2011 GO_{66}	17.5	X	303.58423	234.29526	19.69638	2.16827	0.1998688	0.28307362	2.2972228	21	2 2.8	20.7
343802 2011 GT_{70}	17.1	X	212.08747	223.17803	108.49879	14.30217	0.2338107	0.27845133	2.3225756	21	2 19.3	21.2
343803 2011 GP_{71}	17.5	X	181.02267	354.36206	315.68122	1.78951	0.2045846	0.26744491	2.3858684	21	—	—
343804 2011 GA_{78}	16.5	X	124.86148	319.34364	236.42979	11.05466	0.1368723	0.22260321	2.6963842	21	9 1.4	20.9
343805 2011 GR_{80}	17.6	X	269.07246	329.89255	273.39212	0.36262	0.1484599	0.27141533	2.3625435	21	—	—
343806 2011 GQ_{82}	17.3	X	289.51790	236.76655	73.09781	7.05987	0.1262732	0.29556636	2.2320267	21	4 13.3	20.1
343807 2011 GE_{83}	16.4	X	345.53592	242.07624	80.76889	7.43739	0.0381702	0.21961869	2.7207576	21	8 10.3	19.9
343808 2011 GJ_{85}	17.4	X	352.36483	74.33704	181.31243	6.03148	0.0901600	0.29613636	2.2291616	21	5 7.6	19.4
343809 2011 HP_{1}	16.5	X	139.84811	199.16752	74.69382	10.39118	0.1332383	0.24528939	2.5274556	21	12 27.9	20.5
343810 2011 HA_{3}	15.9	X	15.26121	254.48112	94.02670	14.10584	0.1475193	0.23161931	2.6259485	21	11 14.2	19.1
343811 2011 HC_{6}	17.4	X	275.20779	167.62293	61.57842	3.14527	0.1673932	0.27020333	2.3696029	21	—	—
343812 2011 HU_{6}	17.9	X	237.09579	120.86574	164.46970	6.43386	0.0784871	0.27674788	2.3320965	21	1 12.8	21.3
343813 2011 HM_{7}	15.9	X	87.32070	199.82364	84.22575	14.96392	0.2238150	0.23027643	2.6361476	21	11 27.7	20.2
343814 2011 HK_{9}	16.8	X	106.22717	70.01671	171.67372	8.67792	0.1278586	0.22800091	2.6536583	21	10 16.6	20.8
343815 2011 HT_{10}	17.1	X	239.22348	97.73771	218.17786	3.10982	0.1812351	0.28302630	2.2974789	21	2 18.1	20.7
343816 2011 HO_{11}	16.4	X	276.01966	198.87512	103.10313	4.55947	0.2268934	0.18484235	3.0521208	21	3 17.3	21.1
343817 2011 HT_{11}	17.7	X	220.28017	127.93650	118.55875	3.39151	0.1764715	0.25620077	2.4551749	21	—	—
343818 2011 HZ_{11}	16.6	X	112.18975	89.44172	184.99250	13.39970	0.1572662	0.23279411	2.6171065	21	12 3.6	21.0
343819 2011 HU_{12}	16.5	X	132.63660	170.33216	103.48079	14.16921	0.0991524	0.23973039	2.5663782	21	12 20.6	20.5
343820 2011 HV_{17}	17.2	X	230.75444	305.39355	48.78702	6.91592	0.1858441	0.29373882	2.2412750	21	4 2.4	20.7
343821 2011 HF_{18}	16.6	X	153.19850	288.05603	26.01769	6.47721	0.1442747	0.25981125	2.4323762	21	—	—
343822 2011 HJ_{19}	16.8	X	132.24256	1.74916	180.86342	5.20696	0.0949046	0.21848222	2.7301844	21	8 24.1	20.8
343823 2011 HE_{20}	16.5	X	117.89888	149.99031	141.19286	15.07265	0.0967775	0.23745249	2.5827651	21	12 26.5	20.6
343824 2011 HQ_{20}	17.5	X	314.62267	83.02071	184.11345	4.23251	0.1205455	0.29210267	2.2496366	21	3 15.9	20.2
343825 2011 HS_{22}	16.2	X	336.83826	253.34841	73.80810	9.84946	0.2007025	0.20991308	2.8039895	21	7 21.1	19.0
343826 2011 HX_{23}	16.8	X	50.18639	77.31088	211.28185	8.14348	0.1895744	0.22021827	2.7158169	21	10 16.4	20.3
343827 2011 HA_{24}	16.6	X	65.44071	350.10555	347.32871	5.64589	0.3307144	0.23729246	2.5839261	21	—	—
343828 2011 HC_{26}	17.1	X	72.38838	156.29857	141.87711	2.96438	0.1926200	0.22895777	2.6462597	21	11 26.1	21.0
343829 2011 HE_{26}	17.5	X	324.54488	186.43357	73.38045	2.29024	0.1374073	0.28936950	2.2637800	21	3 19.6	19.8
343830 2011 HC_{27}	15.7	X	254.76596	85.85211	159.81928	13.05321	0.0690592	0.16893939	3.2407742	21	1 4.6	20.8
343831 2011 HD_{27}	17.2	X	1.42465	132.69330	94.14995	7.48143	0.0925305	0.29500752	2.2348446	21	4 11.7	19.4
343832 2011 HN_{27}	15.6	X	247.37501	80.30429	214.83997	24.02339	0.2771931	0.17358709	3.1826662	21	2 2.7	21.6
343833 2011 HR_{27}	17.3	X	228.03991	153.24753	102.47522	3.76899	0.1562081	0.26288572	2.4133745	21	—	—
343834 2011 HT_{27}	15.5	X	312.77656	117.45898	142.06901	12.37288	0.0905921	0.18709369	3.0275869	21	3 27.4	19.7
343835 2011 HD_{28}	16.8	X	228.17927	275.73445	326.02235	6.37622	0.0710436	0.26074760	2.4265496	21	—	—
343836 2011 HQ_{29}	17.3	X	296.72810	234.29574	55.50610	7.57660	0.1159615	0.28923162	2.2644993	21	3 28.4	20.1
343837 2011 HB_{30}	17.8	X	267.82946	45.56191	205.19268	2.80146	0.1614081	0.27191583	2.3596435	21	—	—
343838 2011 HY_{30}	16.1	X	264.72777	89.58887	176.35089	7.87878	0.1552381	0.17491718	3.1665115	21	1 28.4	21.1
343839 2011 HM_{31}	16.8	X	11.00100	241.77605	66.08108	5.76285	0.1684800	0.21643167	2.7474018	21	9 8.2	19.7
343840 2011 HY_{31}	16.3	X	71.87554	239.02078	79.53329	14.23926	0.1963542	0.23249039	2.6193853	21	12 20.2	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343841 2011 HW_{32}	17.1	X	95.15203	150.68274	138.64897	4.75289	0.1595003	0.23165418	2.6256850	21	12 4.9	21.1
343842 2011 HV_{33}	16.3	X	52.06631	205.41298	131.01357	6.76688	0.1430218	0.23366799	2.6105774	21	12 15.4	19.9
343843 2011 HR_{34}	17.2	X	130.19658	185.82286	123.41495	6.44305	0.1716700	0.24729645	2.5137619	21	—	—
343844 2011 HA_{38}	16.2	X	6.02125	258.83506	64.44221	17.48834	0.2096574	0.21593022	2.7516536	21	10 3.4	19.3
343845 2011 HN_{38}	18.1	X	208.47893	255.68376	13.14436	3.01818	0.1805892	0.26180237	2.4200277	21	—	—
343846 2011 HO_{38}	16.7	X	248.29630	7.32312	194.36612	14.39300	0.0599630	0.25337092	2.4734219	21	—	—
343847 2011 HF_{39}	16.6	X	152.59895	138.86487	116.13030	5.35698	0.2233449	0.23922550	2.5699878	21	12 14.9	21.0
343848 2011 HT_{39}	16.1	X	323.60336	314.68668	86.61684	12.08646	0.2139182	0.22798514	2.6537807	21	10 21.0	18.7
343849 2011 HQ_{41}	16.0	X	17.43710	82.13109	206.83692	24.41691	0.1270903	0.20914988	2.8108066	21	8 7.9	19.9
343850 2011 HP_{43}	15.4	X	220.74517	222.16891	105.04815	17.72377	0.1938067	0.17450146	3.1715386	21	3 6.5	21.0
343851 2011 HA_{44}	17.6	X	187.74959	121.78876	148.81585	3.01841	0.0755448	0.25637507	2.4540619	21	—	—
343852 2011 HY_{44}	17.5	X	127.56419	63.46790	194.64586	11.01456	0.0616665	0.23757270	2.5818937	21	11 25.2	21.3
343853 2011 HP_{45}	16.8	X	119.38951	224.06218	95.47761	13.84846	0.1758216	0.24582761	2.5237651	21	—	—
343854 2011 HF_{46}	17.3	X	178.69212	244.37078	96.71570	7.68848	0.1392456	0.27187234	2.3598951	21	1 27.3	20.7
343855 2011 HZ_{46}	16.8	X	76.77947	102.53097	183.76395	12.16109	0.1622934	0.22874888	2.6478704	21	11 14.0	20.8
343856 2011 HH_{49}	17.4	X	239.65542	211.87928	105.30178	10.99988	0.1424715	0.27911233	2.3189072	21	2 26.9	21.0
343857 2011 HA_{50}	16.2	X	88.97419	89.08609	190.84503	12.86866	0.1681084	0.22723776	2.6595963	21	11 18.8	20.4
343858 2011 HP_{52}	15.9	X	47.56435	242.42422	95.61481	15.19908	0.1914559	0.23038793	2.6352970	21	12 18.0	19.5
343859 2011 HU_{52}	15.9	X	270.79925	122.56340	168.61181	15.02026	0.2380278	0.17991781	3.1075630	21	2 24.3	21.0
343860 2011 HP_{55}	17.2	X	227.27864	147.49040	120.62774	6.46910	0.1616782	0.26523338	2.3991124	21	—	—
343861 2011 HU_{55}	16.5	X	233.42546	352.12396	180.87734	14.58545	0.0444440	0.23956256	2.5675767	21	12 12.6	20.2
343862 2011 HC_{60}	17.1	X	270.57524	218.08799	77.24743	6.59062	0.1721154	0.28528493	2.2853365	21	2 26.4	20.5
343863 2011 HT_{60}	17.3	X	228.99293	228.07195	75.88186	7.17152	0.1562122	0.27510223	2.3413876	21	1 29.7	21.0
343864 2011 HU_{60}	17.5	X	194.92923	154.86507	127.34221	2.17267	0.1715827	0.26289587	2.4133124	21	—	—
343865 2011 HO_{62}	15.0	X	231.48634	185.49755	150.64412	23.83261	0.1581538	0.18072285	3.0983277	21	3 24.3	20.2
343866 2011 HN_{64}	17.2	X	147.97920	166.65552	106.64171	7.20853	0.1921105	0.24517011	2.5282753	21	—	—
343867 2011 HH_{65}	17.1	X	44.49781	119.55970	170.17370	7.51171	0.1486625	0.22177962	2.7030555	21	10 5.6	20.4
343868 2011 HL_{66}	15.7	X	260.29900	271.91225	90.47878	12.17399	0.1722678	0.20025212	2.8934632	21	5 19.4	20.1
343869 2011 HF_{69}	17.8	X	66.60927	352.82553	183.49553	4.05524	0.0828180	0.29955223	2.2121828	21	5 18.4	19.9
343870 2011 HT_{71}	17.1	X	27.19748	217.38014	93.26160	3.32387	0.0446494	0.22166136	2.7040168	21	9 24.2	20.5
343871 2011 HW_{71}	17.0	X	57.79527	189.14462	101.91198	2.96141	0.0695026	0.22419718	2.6835887	21	10 14.1	20.5
343872 2011 HX_{74}	16.9	X	56.55813	89.13540	164.06564	8.19331	0.1595289	0.21491429	2.7603184	21	9 3.2	20.2
343873 2011 HB_{75}	17.0	X	11.73559	140.71642	172.28448	7.96584	0.2204504	0.21549608	2.7553481	21	9 20.2	19.6
343874 2011 HO_{75}	16.6	X	5.13918	150.59861	178.00960	14.20800	0.1144057	0.21897661	2.7260735	21	9 18.8	19.6
343875 2011 HS_{75}	17.7	X	304.60788	61.69095	229.59076	5.22132	0.1564475	0.29066565	2.2570451	21	3 28.9	20.4
343876 2011 HU_{76}	16.4	X	27.64681	127.07650	196.07852	11.48016	0.0939783	0.22348136	2.6893161	21	10 16.9	19.6
343877 2011 HT_{77}	17.6	X	331.40777	45.59307	184.16627	3.31724	0.0976848	0.28334280	2.2957677	21	2 20.4	20.2
343878 2011 HX_{78}	17.1	X	39.67391	102.21973	116.95198	7.15230	0.0896450	0.29902208	2.2147968	21	6 8.4	19.2
343879 2011 HP_{79}	16.9	X	227.35612	81.72559	154.61348	5.89965	0.1620721	0.25688945	2.4507849	21	—	—
343880 2011 HR_{80}	17.8	X	173.10750	288.86685	21.52807	1.27774	0.1839951	0.26158186	2.4213875	21	—	—
343881 2011 HW_{82}	17.6	X	308.67742	152.43040	76.66038	4.60471	0.0842075	0.27859384	2.3217834	21	1 23.9	20.6
343882 2011 HA_{83}	17.5	X	297.03904	87.91977	190.96004	2.89149	0.1659536	0.28627493	2.2800647	21	3 2.4	20.5
343883 2011 HV_{83}	17.9	X	293.11807	122.99735	120.30916	2.92088	0.1585241	0.27888122	2.3201882	21	1 13.5	21.2
343884 2011 HQ_{84}	17.2	X	168.25724	1.12927	211.97737	3.44662	0.0923952	0.23530978	2.5984203	21	11 11.5	21.2
343885 2011 HQ_{85}	16.7	X	55.35102	90.81357	197.35934	23.92643	0.1369242	0.22592056	2.6699239	21	10 16.5	20.1
343886 2011 HL_{90}	17.4	X	197.97889	202.63055	105.77470	5.34614	0.1476486	0.26932537	2.3747498	21	1 5.6	21.1
343887 2011 HQ_{90}	17.1	X	139.60316	237.94956	111.13478	6.82045	0.1594363	0.26422741	2.4051978	21	—	—
343888 2011 HT_{90}	17.3	X	233.14429	178.00496	137.48762	6.92444	0.1404513	0.28019694	2.3129192	21	2 15.2	20.6
343889 2011 HT_{93}	17.2	X	124.89202	165.99312	71.21302	5.19736	0.0822019	0.22944843	2.6424857	21	10 27.3	21.0
343890 2011 HZ_{94}	16.6	X	325.08994	239.89674	99.18520	6.61881	0.0637682	0.21185538	2.7868252	21	7 29.2	20.0
343891 2011 HZ_{96}	17.0	X	52.55766	87.72214	175.66388	9.27326	0.1110325	0.21489142	2.7605143	21	9 2.8	20.6
343892 2011 HK_{97}	17.2	X	231.86748	67.71041	281.02885	6.42061	0.1453026	0.29053737	2.2577095	21	3 23.0	20.7
343893 2011 HG_{100}	16.7	X	87.49860	19.62103	189.03185	11.99127	0.1275345	0.21693650	2.7431378	21	8 8.1	20.7
343894 2011 JH_{2}	16.4	X	161.00930	189.11600	19.67299	10.02208	0.1404930	0.23648818	2.5897813	21	10 27.2	20.5
343895 2011 JC_{5}	16.9	X	277.75057	119.40980	143.89013	7.24759	0.1285856	0.27569538	2.3380281	21	1 25.7	20.4
343896 2011 JK_{8}	13.4	X	291.02657	138.94088	196.46325	11.73677	0.1282860	0.08344224	5.1865522	21	5 31.3	20.2
343897 2011 JK_{9}	16.1	X	252.43235	183.69282	149.96203	10.91318	0.1162343	0.19060549	2.9902841	21	4 12.8	20.7
343898 2011 JT_{11}	16.9	X	162.45679	232.59216	359.95134	2.71051	0.1773805	0.23882344	2.5728714	21	11 26.5	21.1
343899 2011 JW_{11}	15.4	X	296.76784	234.22294	43.74904	10.09750	0.0779466	0.18888378	3.0084279	21	3 31.5	19.6
343900 2011 JD_{12}	15.7	X	5.93709	265.38790	57.86845	13.17438	0.1805685	0.21633492	2.7482209	21	9 26.7	18.8
343901 2011 JE_{12}	16.1	X	14.38930	246.72744	70.30380	8.66320	0.2246492	0.21570967	2.7535289	21	10 7.2	19.0
343902 2011 JF_{12}	17.0	X	46.03140	183.98413	40.97550	7.05988	0.0547335	0.30118874	2.2041623	21	6 23.3	19.4
343903 2011 JQ_{13}	15.2	X	121.40295	359.96391	252.29739	32.58526	0.1588328	0.23161197	2.6260040	21	11 13.9	19.6
343904 2011 JO_{17}	17.0	X	145.09449	66.89114	172.13011	4.27777	0.1483393	0.23351239	2.6117369	21	11 20.3	21.2
343905 2011 JR_{17}	15.5	X	212.95475	222.92014	86.41474	14.03620	0.1622871	0.17039708	3.2222652	21	2 6.3	20.9
343906 2011 JY_{24}	16.7	X	95.20700	137.32645	203.40920	8.42365	0.2154455	0.24261683	2.5459826	21	—	—
343907 2011 JZ_{24}	16.8	X	77.80753	133.59268	204.39108	9.02796	0.2202804	0.23695440	2.5863832	21	—	—
343908 2011 JK_{25}	17.1	X	94.65498	168.86448	141.22352	5.21211	0.2409926	0.23891278	2.5722300	21	—	—
343909 2011 JW_{25}	17.3	X	78.80172	145.30080	154.16250	4.60321	0.1761203	0.22933383	2.6433660	21	12 2.6	21.3
343910 2011 JZ_{25}	17.0	X	122.78252	83.68087	214.54471	14.40151	0.1276810	0.24117736	2.5561030	21	—	—
343911 2011 JY_{26}	17.4	X	99.05522	234.98058	74.10445	6.62929	0.2082362	0.23772327	2.5808034	21	—	—
343912 2011 JJ_{27}	16.9	X	297.95414	186.36376	55.77161	11.75096	0.1586132	0.27529441	2.3402978	21	1 20.3	20.3
343913 2011 JC_{28}	16.0	X	59.14744	184.53832	65.87329	10.25529	0.1131147	0.21295873	2.7771910	21	9 1.5	19.8
343914 2011 JH_{28}	16.4	X	190.33487	137.51418	61.38175	6.19976	0.1071378	0.23750019	2.5824192	21	11 16.4	20.2
343915 2011 JR_{28}	16.9	X	67.67592	9.61447	258.04519	1.40201	0.1496116	0.21796917	2.7344669	21	10 5.2	20.6
343916 2011 JE_{29}	16.0	X	138.68095	22.87154	250.73491	11.56865	0.0621965	0.24214848	2.5492644	21	12 25.6	19.7
343917 2011 JF_{29}	16.3	X	117.18007	91.66016	205.49030	8.01157	0.1303583	0.23823559	2.5771021	21	—	—
343918 2011 JM_{29}	15.8	X	215.69460	83.03630	235.53229	16.12897	0.2071344	0.17026513	3.2239298	21	2 9.2	21.6
343919 2011 JK_{30}	16.7	X	326.31789	276.13263	260.69948	3.40524	0.0453857	0.26836339	2.3804215	21	—	—
343920 2011 KU	16.8	X	96.22748	211.30681	117.14609	4.82761	0.1689885	0.24012236	2.5635846	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
343921 2011 KB_1	17.7	X	199.38827	198.84165	208.70636	6.93004	0.0961565	0.29376340	2.2411500	21	5 11.7	20.8
343922 2011 KA_3	16.4	X	159.74253	334.64272	265.94070	7.82879	0.1194513	0.23810327	2.5780567	21	12 5.7	20.3
343923 2011 KQ_3	16.8	X	8.62949	248.77928	292.05535	7.32951	0.0767542	0.28168264	2.3047792	21	2 11.2	19.3
343924 2011 KW_4	16.6	X	277.27481	207.39293	113.92554	2.71212	0.1378092	0.19092190	2.9869794	21	4 20.1	20.9
343925 2011 KM_6	17.4	X	206.80551	217.06122	61.17353	7.13564	0.1796008	0.25886748	2.4382846	21	—	—
343926 2011 KR_7	15.9	X	263.43582	196.09606	99.37802	3.52604	0.2087467	0.17920339	3.1158167	21	2 27.8	20.8
343927 2011 KO_9	17.7	X	341.89157	356.37845	191.33764	4.64402	0.1597927	0.27715932	2.3297880	21	—	—
343928 2011 KY_9	16.4	X	30.26091	254.81579	76.69120	11.22351	0.1293882	0.22490400	2.6779631	21	11 8.8	19.8
343929 2011 KW_{10}	15.6	X	217.09546	219.95369	111.92034	18.20065	0.2250451	0.17680145	3.1439731	21	3 7.5	21.2
343930 2011 KU_{11}	15.9	X	248.12260	267.30614	46.89881	18.85795	0.2758487	0.17712306	3.1401662	21	3 12.8	21.6
343931 2011 KG_{12}	17.2	X	145.64795	10.82047	247.35931	3.73660	0.1664463	0.23652924	2.5894816	21	12 13.0	21.3
343932 2011 KV_{12}	15.9	X	291.24603	108.27880	181.07067	17.21371	0.1705479	0.18455088	3.0553335	21	3 22.9	20.3
343933 2011 KE_{14}	17.0	X	93.21083	116.26950	187.72113	3.76986	0.1352667	0.23361437	2.6109768	21	12 18.5	21.0
343934 2011 KK_{16}	17.1	X	261.32186	232.62770	24.55858	4.72291	0.1418430	0.26833435	2.3805933	21	1 2.7	20.8
343935 2011 KW_{16}	16.3	X	314.07453	22.95673	212.25653	25.46734	0.2200848	0.27564525	2.3383116	21	1 12.8	20.3
343936 2011 KB_{18}	16.9	X	214.79710	261.32504	293.97104	4.10642	0.1952162	0.24355582	2.5394346	21	11 28.5	20.8
343937 2011 KS_{18}	16.8	X	147.95343	313.74528	112.68471	7.68467	0.0633062	0.28543687	2.2845254	21	4 8.1	19.8
343938 2011 KY_{18}	16.0	X	155.31227	182.63781	78.09572	8.85703	0.1780705	0.24036577	2.5618535	21	12 24.4	20.1
343939 2011 KC_{19}	17.2	X	157.89237	209.65852	95.67438	7.38021	0.1057901	0.25174511	2.4840596	21	—	—
343940 2011 KC_{22}	17.1	X	43.48156	29.67234	260.02274	0.11671	0.0605682	0.21679741	2.7443110	21	9 18.8	20.6
343941 2011 KZ_{22}	17.4	X	348.25072	184.36413	62.95534	5.53105	0.1323525	0.29082732	2.2562086	21	4 12.7	19.4
343942 2011 KG_{23}	16.9	X	168.70601	121.65975	120.06120	3.78474	0.0602850	0.24098370	2.5574723	21	12 19.8	20.6
343943 2011 KQ_{23}	16.5	X	227.13931	8.36146	244.59316	11.80164	0.2014344	0.25728865	2.4482492	21	—	—
343944 2011 KX_{23}	16.3	X	119.48454	179.34795	92.24280	12.79718	0.1494384	0.23225224	2.6211755	21	12 6.2	20.5
343945 2011 KG_{25}	16.2	X	294.09253	236.20007	86.47331	3.01533	0.0835847	0.19634116	2.9317604	21	5 19.6	20.1
343946 2011 KR_{25}	17.2	X	125.53055	22.64223	73.59373	6.10076	0.1209850	0.29031526	2.2588608	21	4 26.0	20.0
343947 2011 KX_{25}	15.9	X	330.65361	273.96246	105.71787	8.00535	0.0549988	0.22234632	2.6984607	21	10 6.9	19.3
343948 2011 KW_{26}	16.4	X	241.76980	120.21749	181.23791	10.08270	0.1227976	0.17375756	3.1805842	21	2 19.1	21.4
343949 2011 KT_{27}	15.9	X	17.85505	191.91416	102.35820	9.64933	0.2044220	0.20928693	2.8095794	21	9 6.4	18.9
343950 2011 KM_{28}	17.2	X	348.73608	285.44934	269.05600	4.05373	0.0601622	0.27922587	2.3182785	21	2 2.9	19.9
343951 2011 KX_{28}	16.2	X	64.90215	144.46985	121.39268	10.11168	0.1601226	0.21484122	2.7609443	21	10 6.1	20.1
343952 2011 KM_{30}	16.1	X	113.20517	318.26384	268.71964	10.46406	0.1124913	0.22246053	2.6975370	21	9 26.3	20.4
343953 2011 KO_{30}	17.0	X	219.41886	11.13906	276.73505	6.82178	0.1232480	0.26388741	2.4072633	21	—	—
343954 2011 KW_{30}	16.3	X	299.48923	147.18026	152.88190	5.53833	0.0838286	0.19156647	2.9802753	21	4 29.3	20.3
343955 2011 KJ_{32}	16.9	X	75.99831	47.81132	235.21414	2.88414	0.0536309	0.22458663	2.6804854	21	10 22.7	20.7
343956 2011 KD_{33}	15.7	X	239.64279	154.50350	191.41921	27.79972	0.0948309	0.18445578	3.0563837	21	4 14.4	20.4
343957 2011 KQ_{33}	16.1	X	35.25710	232.08357	106.54122	9.93350	0.0167177	0.22907519	2.6453553	21	11 10.5	19.8
343958 2011 KS_{33}	16.2	X	34.63378	47.07320	236.50300	8.62288	0.1089285	0.21219771	2.7838271	21	8 30.4	19.8
343959 2011 KY_{33}	17.1	X	156.39877	288.85690	295.83366	4.24952	0.2203507	0.23468721	2.6030136	21	11 10.4	21.7
343960 2011 KN_{37}	17.0	X	67.72589	100.61875	224.80334	11.61529	0.1909744	0.22986909	2.6392609	21	12 22.9	21.1
343961 2011 KL_{39}	16.7	X	58.81460	343.69998	324.63174	2.68464	0.0595959	0.22602401	2.6691091	21	11 2.9	20.2
343962 2011 KF_{43}	17.1	X	54.45633	85.20269	157.92258	3.63469	0.1179487	0.21129920	2.7917133	21	8 10.3	20.6
343963 2011 KO_{43}	16.2	X	309.05604	14.04606	198.87957	9.10779	0.0292364	0.17544396	3.1601700	21	1 29.1	20.8
343964 2011 KA_{45}	17.0	X	155.98290	80.55952	108.46503	3.16900	0.0285352	0.22372441	2.6873680	21	9 29.1	20.7
343965 2011 KK_{48}	17.7	X	346.62020	358.24145	193.37978	6.34365	0.0492515	0.27790761	2.3256040	21	1 28.1	20.5
343966 2011 LR	15.9	X	92.66052	217.96515	94.04761	13.36026	0.0868516	0.23456227	2.6039379	21	12 23.7	19.5
343967 2011 LK_1	17.0	X	351.24893	149.92981	187.40571	5.90427	0.0390187	0.21781854	2.7357274	21	9 3.9	20.4
343968 2011 LC_{11}	15.8	X	235.38133	151.89775	174.38812	17.48575	0.2046778	0.17734918	3.1374966	21	3 10.3	21.0
343969 2011 LZ_{11}	16.7	X	23.91564	252.25190	90.74470	3.55062	0.0785759	0.22577745	2.6710520	21	11 5.8	19.9
343970 2011 LK_{12}	16.8	X	14.11461	113.75748	195.50412	3.01943	0.0777669	0.21413881	2.7669786	21	9 2.4	20.3
343971 2011 LU_{13}	16.4	X	73.50489	114.57777	162.16237	10.13721	0.1212350	0.22062581	2.7124714	21	10 23.8	20.3
343972 2011 LL_{14}	16.0	X	212.93293	220.78880	107.89789	5.77620	0.2035979	0.17340235	3.1849264	21	2 26.1	21.4
343973 2011 LA_{15}	17.2	X	302.41438	14.21375	178.74758	6.43425	0.0430104	0.26352658	2.4094602	21	—	—
343974 2011 LU_{15}	17.1	X	71.77380	301.26577	11.45092	3.39751	0.1732788	0.22962286	2.6411474	21	12 10.0	21.1
343975 2011 LC_{20}	13.3	X	324.74651	50.63509	265.44623	3.49833	0.1379088	0.08197567	5.2482286	21	6 20.2	19.7
343976 2011 LC_{21}	13.5	X	2.81950	331.35116	299.81233	6.38142	0.1202692	0.08358435	5.1806717	21	6 25.6	19.7
343977 2011 LG_{21}	13.6	X	255.60067	115.37368	266.32148	7.67543	0.0774817	0.08195824	5.2489727	21	6 19.0	20.6
343978 2011 LK_{25}	18.1	X	92.98920	269.37888	276.58996	2.47914	0.0590157	0.30422373	2.1894784	21	7 9.1	20.5
343979 2011 LX_{26}	15.9	X	279.13678	126.04227	164.22283	11.38902	0.1220307	0.18013995	3.1050077	21	3 17.9	20.3
343980 2011 LZ_{26}	16.2	X	29.52438	196.88605	100.19256	15.30740	0.1822101	0.21306837	2.7762382	21	10 3.9	19.8
343981 2011 LA_{27}	16.1	X	346.80789	71.74942	195.68258	9.84771	0.1020772	0.19586970	2.9364631	21	5 23.2	19.7
343982 2011 MA_3	16.1	X	73.01735	228.73221	98.05134	10.47839	0.1398692	0.23201045	2.6229963	21	12 25.7	19.9
343983 2011 MO_3	16.1	X	243.43921	128.12880	171.60679	11.10163	0.0604914	0.17594698	3.1541439	21	2 23.6	20.9
343984 2011 MS_5	15.8	X	307.74158	358.89672	281.94412	10.08245	0.1982422	0.17925347	3.1152363	21	3 23.5	20.3
343985 2011 OX	17.1	X	239.68151	72.62252	171.54341	5.81462	0.0856915	0.25188785	2.4831211	21	—	—
343986 2011 OZ_8	16.5	X	62.45887	282.80662	269.87311	8.11562	0.0286777	0.17955348	3.1117652	21	6 2.6	20.8
343987 2011 OK_{12}	15.2	X	156.86971	131.88078	293.09553	11.35402	0.0699376	0.17303393	3.1894457	21	4 18.9	20.2
343988 2011 OJ_{18}	16.0	X	182.38739	337.95738	255.29918	13.46150	0.0766988	0.22822438	2.6519258	21	12 20.4	19.9
343989 2011 OR_{24}	15.6	X	233.29799	42.34586	290.58632	12.94564	0.1406275	0.17058595	3.2198863	21	3 13.9	21.0
343990 2011 OG_{38}	17.4	X	317.65983	281.81189	308.28427	6.59223	0.1479979	0.26956927	2.3733172	21	1 28.3	20.2
343991 2011 OZ_{38}	15.9	X	219.78549	81.88613	313.01090	7.89562	0.0272354	0.18543713	3.0455910	21	5 25.7	20.5
343992 2011 OP_{53}	16.1	X	294.80526	357.59303	298.72903	9.53250	0.1355053	0.17904768	3.1176229	21	4 5.0	20.8
343993 2011 PW_8	13.4	X	327.38083	321.72473	340.15885	19.50408	0.2028829	0.08238475	5.2308408	21	5 26.8	19.8
343994 2011 PT_{14}	13.3	X	273.11832	357.97131	3.23857	3.62828	0.0748138	0.08218275	5.2394088	21	6 15.1	20.2
343995 2011 QG_3	13.8	X	345.63272	63.84089	214.42304	12.68754	0.0591354	0.08407859	5.1603495	21	6 10.8	20.5
343996 2011 QK_3	13.2	X	181.16070	173.69745	269.61020	12.14884	0.0484916	0.08253241	5.2246000	21	6 13.9	20.4
343997 2011 QA_6	16.3	X	340.08512	53.63430	223.11419	10.94571	0.0764623	0.18346420	3.0673864	21	5 27.1	20.2
343998 2011 QU_8	15.7	X	108.41907	271.98475	232.00804	8.21440	0.1232479	0.17671258	3.1450272	21	6 12.6	20.4
343999 2011 QJ_9	13.7	X	216.93054	217.33736	182.55010	1.71361	0.0420129	0.07964518	5.3501140	21	6 2.4	20.9
344000 Astropolis	16.6	X	137.00211	264.94031	189.25605	6.36423	0.0927983	0.26924685	2.3752116	21	5 4.9	19.8