Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288001 2003 UZ_{191}	16.6	X	33.63836	285.27712	11.46370	7.07072	0.1231976	0.26976089	2.3721932	21	9 30.3	19.2
288002 2003 UH_{192}	17.1	X	249.08696	217.04138	226.77003	3.83532	0.1722008	0.26610871	2.3938485	21	8 17.7	20.4
288003 2003 UJ_{195}	17.5	X	58.05380	140.01669	237.42379	5.11025	0.1790101	0.28455673	2.2892338	21	—	—
288004 2003 UF_{197}	16.5	X	32.14162	13.64517	57.35213	4.57783	0.2160207	0.23165228	2.6256993	21	—	—
288005 2003 UQ_{197}	16.8	X	38.26271	268.34522	214.91165	5.73250	0.1445829	0.24027603	2.5624914	21	1 19.9	19.4
288006 2003 US_{200}	17.2	X	164.24482	289.54410	16.07492	4.94576	0.1619524	0.29412034	2.2393364	21	—	—
288007 2003 UU_{201}	16.4	X	338.79518	243.19449	57.91866	5.49529	0.1346058	0.26306837	2.4122573	21	6 19.2	18.6
288008 2003 UU_{203}	17.2	X	0.56878	74.61609	20.77694	3.86713	0.2288555	0.22907406	2.6453640	21	—	—
288009 2003 UY_{203}	16.5	X	16.43105	308.42560	29.57234	3.27492	0.1060961	0.21779278	2.7359431	21	10 19.9	19.8
288010 2003 UT_{204}	17.5	X	107.47653	143.97280	243.58951	2.79628	0.1473774	0.23911450	2.5707832	21	1 9.2	20.6
288011 2003 UH_{207}	15.7	X	4.67769	137.22683	261.61871	3.49938	0.1136935	0.16858398	3.2453273	21	12 9.9	19.8
288012 2003 UZ_{207}	17.6	X	325.02505	68.28821	17.86941	3.71921	0.1641909	0.27838846	2.3229252	21	—	—
288013 2003 UC_{210}	17.1	X	56.40398	357.84467	28.09285	3.81968	0.1605583	0.28556247	2.2838556	21	—	—
288014 2003 UB_{211}	16.3	X	167.50268	70.07270	239.41949	4.59326	0.3180047	0.23957977	2.5674537	21	—	—
288015 2003 UC_{211}	16.2	X	339.14053	223.75650	231.93988	10.64098	0.1423121	0.22574280	2.6713253	21	—	—
288016 2003 UN_{213}	17.1	X	303.44504	356.11723	358.29344	2.36875	0.1346239	0.26554191	2.3972537	21	7 6.8	19.6
288017 2003 UZ_{213}	17.5	X	15.88118	81.29330	220.02401	1.56499	0.2365674	0.27116215	2.3640138	21	9 22.3	19.4
288018 2003 UX_{219}	18.1	X	192.76278	70.30178	280.16242	1.69631	0.1619794	0.30377196	2.1916486	21	2 17.3	21.2
288019 2003 UG_{221}	16.1	X	29.70632	73.29312	305.37299	3.83466	0.1417461	0.17145566	3.2089886	21	12 25.3	20.3
288020 2003 UH_{221}	16.6	X	303.46651	180.79655	246.03804	3.79607	0.1027215	0.21999633	2.7176431	21	10 19.0	19.8
288021 2003 UF_{226}	16.1	X	52.31441	141.63244	262.41890	11.32004	0.2891361	0.22904746	2.6455688	21	—	—
288022 2003 UE_{227}	16.8	X	12.19991	86.35798	291.89900	3.50305	0.1609335	0.22259062	2.6964858	21	12 14.3	19.8
288023 2003 UD_{228}	16.5	X	178.78478	196.35641	250.91005	5.63350	0.0761267	0.25704850	2.4497739	21	6 12.2	20.0
288024 2003 UK_{228}	17.4	X	351.26952	253.35588	128.41881	4.47890	0.2074758	0.27603738	2.3360965	21	12 4.3	19.2
288025 2003 UL_{228}	17.2	X	245.26329	311.70065	142.53810	2.84379	0.1396435	0.26766985	2.3845316	21	9 3.3	20.1
288026 2003 UQ_{228}	17.0	X	266.23349	241.11764	172.74614	6.13586	0.1279787	0.26734372	2.3864704	21	8 5.4	19.9
288027 2003 UJ_{231}	15.9	X	72.55044	144.57016	218.60731	7.87742	0.0887282	0.17501633	3.1653155	21	—	—
288028 2003 UG_{232}	16.6	X	34.37676	186.04973	209.64350	13.19446	0.0887021	0.22868020	2.6484006	21	—	—
288029 2003 UY_{235}	16.4	X	99.54411	316.12669	350.14972	11.49875	0.1970297	0.23004594	2.6379081	21	—	—
288030 2003 UZ_{238}	15.7	X	123.32666	293.08926	15.56824	9.30112	0.0689011	0.17555992	3.1587782	21	—	—
288031 2003 UM_{239}	17.7	X	47.74609	210.73149	245.04506	2.91782	0.1146713	0.29457795	2.2370167	21	—	—
288032 2003 UE_{241}	16.2	X	211.58622	348.70186	245.18048	7.21654	0.0346387	0.22969368	2.6406044	21	—	—
288033 2003 UB_{242}	16.4	X	18.39269	301.55655	72.48823	5.26048	0.0970533	0.22271664	2.6954686	21	12 9.1	19.8
288034 2003 UN_{242}	17.1	X	120.71430	298.34422	69.38578	2.52548	0.1685200	0.23784519	2.5799214	21	1 5.4	20.5
288035 2003 UH_{251}	17.0	X	136.61536	354.44771	214.15175	5.01969	0.0639837	0.27089261	2.3655816	21	10 4.9	20.1
288036 2003 UM_{256}	17.4	X	354.72337	230.00147	180.60493	5.19855	0.1532686	0.27872590	2.3210500	21	—	—
288037 2003 UV_{256}	16.5	X	320.65216	211.04648	197.11660	7.62865	0.2721706	0.21679552	2.7443269	21	10 8.3	18.6
288038 2003 UR_{259}	14.8	X	4.58711	193.60377	232.55007	25.85019	0.1241917	0.16898165	3.2402338	21	—	—
288039 2003 UE_{262}	17.5	X	288.97026	172.05072	218.40326	1.47108	0.2142458	0.26583566	2.3954874	21	7 22.1	20.3
288040 2003 UW_{262}	16.3	X	217.98408	223.72819	16.36590	17.11258	0.1355442	0.23567481	2.5957365	21	—	—
288041 2003 UH_{263}	16.9	X	33.48799	231.93695	102.09003	7.41680	0.1521380	0.27736843	2.3286168	21	11 29.0	19.7
288042 2003 UP_{267}	16.0	X	116.32860	267.26516	49.89311	12.87970	0.2733425	0.23197286	2.6232797	21	—	—
288043 2003 UW_{269}	16.3	X	323.92520	48.80375	342.28745	4.36500	0.0630925	0.21621603	2.7492282	21	10 5.0	19.6
288044 2003 UB_{271}	16.3	X	331.15109	5.92627	49.64264	13.31594	0.2389579	0.22227033	2.6990756	21	11 20.5	18.5
288045 2003 UC_{271}	15.2	X	59.59046	319.76621	31.95812	17.74678	0.0843476	0.17382768	3.1797289	21	12 20.9	20.0
288046 2003 UV_{271}	16.0	X	347.38135	331.14880	33.96240	6.83843	0.0942583	0.21652424	2.7466187	21	10 9.6	19.2
288047 2003 UV_{276}	16.1	X	107.39834	156.05461	262.79839	4.43157	0.2343598	0.18675798	3.0312140	21	3 9.5	20.5
288048 2003 UV_{279}	16.7	X	113.10512	73.33833	237.45656	10.74860	0.1835115	0.23079183	2.6322214	21	—	—
288049 2003 UE_{283}	15.7	X	88.49747	156.89262	200.19304	13.67207	0.2557329	0.17548580	3.1596676	21	—	—
288050 2003 UD_{290}	15.7	X	38.13137	248.93231	194.18225	10.11649	0.0321388	0.18270385	3.0758908	21	—	—
288051 2003 UR_{290}	17.1	X	276.41706	179.25749	53.66817	5.56299	0.0721958	0.29496952	2.2350365	21	—	—
288052 2003 UN_{293}	15.7	X	72.88094	206.57531	121.38245	14.80070	0.1960452	0.22739894	2.6583394	21	—	—
288053 2003 UC_{296}	16.9	X	136.58317	263.93509	19.62018	13.14771	0.2689802	0.23324952	2.6136988	21	—	—
288054 2003 UW_{299}	15.8	X	316.32885	47.39509	48.82562	22.71858	0.0510210	0.22573513	2.6713858	21	12 18.9	19.5
288055 2003 UW_{300}	17.2	X	123.58609	270.97836	1.88379	6.63782	0.1556980	0.28225899	2.3016407	21	12 17.4	20.9
288056 2003 UD_{304}	16.8	X	79.15357	31.39882	359.39622	5.59103	0.0498982	0.23493415	2.6011892	21	—	—
288057 2003 UA_{309}	16.1	X	225.01655	224.78813	33.33866	12.33859	0.0348167	0.23551312	2.5969245	21	—	—
288058 2003 UG_{309}	16.8	X	97.61080	210.56852	202.01926	8.57447	0.1537334	0.23932820	2.5692525	21	1 26.7	20.0
288059 2003 US_{314}	16.8	X	110.11039	310.01968	105.16413	5.60943	0.1625946	0.24116789	2.5561700	21	2 22.1	20.1
288060 2003 UD_{319}	16.0	X	290.23963	215.59028	146.59944	5.94922	0.0566745	0.20885652	2.8134381	21	7 9.0	19.7
288061 2003 UW_{319}	17.0	X	314.44467	146.78359	171.42012	4.22491	0.1551960	0.26343344	2.4100281	21	5 28.7	19.6
288062 2003 UU_{325}	16.4	X	346.74656	247.91580	229.89183	10.24334	0.0666361	0.23974542	2.5662709	21	—	—
288063 2003 UH_{327}	16.2	X	325.74023	264.88536	200.06191	13.34518	0.1255734	0.23241874	2.6199235	21	—	—
288064 2003 UD_{343}	17.4	X	93.46208	159.94521	149.66387	1.60400	0.0575589	0.28288499	2.2982439	21	12 28.5	20.4
288065 2003 UE_{343}	17.3	X	189.05774	179.43231	297.18873	3.79072	0.1422889	0.26682755	2.3895471	21	8 1.1	21.0
288066 2003 UX_{349}	17.4	X	310.27482	24.55318	61.65448	4.22944	0.1333377	0.27907512	2.3191133	21	12 11.2	19.5
288067 2003 UX_{350}	16.2	X	282.25142	213.76320	152.14016	4.89547	0.1214803	0.20930707	2.8093991	21	6 23.3	20.1
288068 2003 UH_{357}	16.9	X	140.59408	26.70705	19.99535	1.87141	0.1831728	0.19089463	2.9872638	21	3 24.6	21.6
288069 2003 UQ_{358}	16.8	X	300.94470	37.06633	41.50407	1.57500	0.0484626	0.22040340	2.7142959	21	11 6.3	20.2
288070 2003 UO_{359}	17.1	X	124.95129	242.63355	181.20765	3.00522	0.1511258	0.19045035	2.9919077	21	3 26.0	21.6
288071 2003 UW_{380}	17.5	X	247.86218	154.73491	151.95370	3.29746	0.1091206	0.25186259	2.4832871	21	2 23.9	21.2
288072 2003 UJ_{398}	16.2	X	138.00041	282.50509	162.53198	13.53421	0.1674654	0.19360779	2.9592898	21	5 9.0	21.1
288073 2003 UZ_{404}	17.4	X	175.97807	219.10516	146.25214	3.77767	0.0676487	0.24813280	2.5081101	21	2 21.4	20.9
288074 2003 UU_{407}	17.4	X	64.40883	282.23447	69.50252	7.25326	0.1376707	0.28434519	2.2903690	21	—	—
288075 2003 UY_{412}	16.0	X	357.15628	262.28512	223.53522	21.26843	0.0291678	0.23441189	2.6050514	21	—	—
288076 2003 US_{414}	17.1	X	4.81968	38.35492	29.84585	4.51826	0.0743222	0.22621868	2.6675777	21	—	—
288077 2003 UZ_{414}	16.6	X	9.61164	159.04190	63.72602	6.02095	0.0994483	0.25658307	2.4527355	21	4 23.2	19.1
288078 2003 VG_{2}	16.7	X	76.11505	47.44000	326.14931	8.62025	0.2259895	0.28743686	2.2739160	21	—	—
288079 2003 VV_{5}	16.8	X	25.75065	339.67970	61.16018	3.77947	0.1109258	0.22618617	2.6678333	21	—	—
288080 2003 VR_{6}	17.7	X	290.71689	62.20921	18.71335	1.44746	0.1589726	0.27170121	2.3608859	21	10 20.6	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288081 2003 VJ_7	16.2	X	52.69087	330.98192	39.56206	2.02624	0.1737705	0.17090087	3.2159296	21	—	—
288082 2003 VN_9	16.5	X	103.73742	318.70895	65.37047	5.38372	0.2846413	0.23648191	2.5898271	21	1 23.2	19.7
288083 2003 VS_9	17.2	X	84.98610	321.14061	34.44878	6.55810	0.1867028	0.28635573	2.2796358	21	—	—
288084 2003 VX_{10}	15.9	X	57.40201	232.10238	56.11897	6.71531	0.0149718	0.21373333	2.7704770	21	10 1.9	19.7
288085 2003 VN_{11}	16.1	X	293.79686	239.26215	231.25529	9.44967	0.2113584	0.21868416	2.7285034	21	11 18.9	18.9
288086 2003 WT_2	17.2	X	282.17453	285.70798	147.52439	2.99895	0.1509405	0.26942387	2.3741710	21	9 25.8	19.6
288087 2003 WH_5	16.3	X	282.12129	132.66703	40.06245	13.78158	0.0964032	0.22870298	2.6482247	21	—	—
288088 2003 WB_6	16.4	X	9.94852	9.88711	60.81371	19.57513	0.1928897	0.22604969	2.6689070	21	—	—
288089 2003 WP_6	17.0	X	158.36289	83.98346	245.34097	6.54291	0.1926380	0.29435897	2.2381260	21	—	—
288090 2003 WE_7	14.6	X	78.66823	256.11795	81.19286	26.61764	0.2890225	0.17556404	3.1587288	21	—	—
288091 2003 WW_8	15.2	X	41.37537	13.15461	26.96624	13.81034	0.1498760	0.17303673	3.1894112	21	—	—
288092 2003 WJ_9	16.7	X	95.64787	107.89272	269.85052	8.78076	0.1728822	0.23658228	2.5890945	21	—	—
288093 2003 WK_{13}	17.0	X	325.16908	196.80950	250.46524	3.77912	0.1041292	0.27902211	2.3194070	21	—	—
288094 2003 WT_{13}	16.2	X	29.80731	328.11223	40.16207	7.10782	0.0699126	0.22291832	2.6938425	21	12 13.1	19.7
288095 2003 WD_{18}	13.4	X	209.37371	37.29544	345.70562	10.64613	0.0383606	0.08384906	5.1697625	21	5 2.4	20.5
288096 2003 WD_{19}	17.2	X	15.02729	148.03716	278.98101	7.28397	0.1064453	0.28318423	2.2966246	21	—	—
288097 2003 WE_{19}	15.8	X	88.07204	93.73837	261.67452	13.56336	0.1568667	0.23005377	2.6378483	21	—	—
288098 2003 WR_{23}	17.4	X	264.06529	358.06685	115.00131	2.15912	0.1354204	0.27155468	2.3617351	21	10 27.6	20.0
288099 2003 WE_{25}	17.2	X	253.81915	262.04025	149.57932	3.14655	0.1324713	0.26099056	2.4250434	21	7 16.7	20.3
288100 2003 WJ_{25}	16.2	X	10.58570	353.83473	90.78203	17.90581	0.1547540	0.22730796	2.6590487	21	—	—
288101 2003 WS_{26}	16.0	X	98.42336	290.89421	78.56697	30.09971	0.3276041	0.23273041	2.6175840	21	—	—
288102 2003 WW_{33}	15.7	X	294.53184	232.00701	239.77397	13.43848	0.0091310	0.22412991	2.6841256	21	12 13.9	19.3
288103 2003 WY_{34}	16.9	X	33.73453	121.27456	269.15359	4.24267	0.0816451	0.22499204	2.6772645	21	—	—
288104 2003 WK_{38}	16.4	X	128.79532	61.80453	305.89899	5.79370	0.1531323	0.23690394	2.5867504	21	1 13.6	19.9
288105 2003 WG_{40}	16.9	X	238.12717	127.08417	24.88842	7.59604	0.1075599	0.27446681	2.3449999	21	11 15.8	19.8
288106 2003 WP_{46}	16.9	X	133.06700	313.30435	34.72859	3.95532	0.2057798	0.23810795	2.5780230	21	—	—
288107 2003 WS_{49}	17.2	X	301.72831	82.67529	3.17824	7.09436	0.1605948	0.27449547	2.3448367	21	11 17.5	19.3
288108 2003 WB_{50}	16.8	X	159.60073	50.43498	268.32213	10.06448	0.1390664	0.23673901	2.5879517	21	—	—
288109 2003 WG_{50}	16.5	X	147.05171	92.56260	254.85843	11.27713	0.1902974	0.23949462	2.5680622	21	1 10.7	20.4
288110 2003 WT_{56}	15.8	X	7.89182	103.47718	256.01356	21.07105	0.2395067	0.27336057	2.3513221	21	12 7.3	17.9
288111 2003 WX_{58}	17.4	X	329.23919	137.78300	233.91362	5.73532	0.1400174	0.26929160	2.3749484	21	9 19.1	19.6
288112 2003 WA_{60}	17.3	X	288.20286	11.57045	20.82123	1.70527	0.2006811	0.26587361	2.3952594	21	7 27.3	19.8
288113 2003 WC_{62}	16.1	X	314.21940	67.49104	64.19995	15.48363	0.0662281	0.22676320	2.6633056	21	—	—
288114 2003 WP_{62}	17.5	X	325.57112	150.41895	185.62397	1.95827	0.1959312	0.26475030	2.4020299	21	7 9.7	19.5
288115 2003 WY_{62}	17.2	X	67.60982	127.51834	269.00905	3.37604	0.2270512	0.23177451	2.6247761	21	—	—
288116 2003 WP_{65}	17.0	X	100.10607	273.30560	89.07624	2.28490	0.2119929	0.23298242	2.6156961	21	—	—
288117 2003 WD_{67}	16.9	X	85.96373	125.40585	274.11723	3.46507	0.1617794	0.23428774	2.6059715	21	—	—
288118 2003 WE_{67}	16.2	X	111.91638	76.44527	259.29185	9.22404	0.1788530	0.23032804	2.6357538	21	—	—
288119 2003 WR_{67}	16.7	X	54.79680	110.83605	252.45009	4.25374	0.0828696	0.22418167	2.6837124	21	—	—
288120 2003 WL_{68}	17.3	X	29.48149	317.61546	58.57543	5.25665	0.1627669	0.27878762	2.3207074	21	—	—
288121 2003 WS_{68}	17.1	X	194.25685	262.44637	231.06229	3.27159	0.0563489	0.26354875	2.4093251	21	9 1.5	20.5
288122 2003 WY_{68}	17.7	X	265.42325	206.40128	203.24863	0.90893	0.1615307	0.26329880	2.4108497	21	7 24.9	21.0
288123 2003 WT_{71}	17.2	X	39.55058	196.24492	247.93107	5.21324	0.0409235	0.29058079	2.2574845	21	—	—
288124 2003 WX_{71}	16.3	X	138.28970	43.18898	294.40775	12.77549	0.1966220	0.23626200	2.5914339	21	—	—
288125 2003 WT_{76}	17.2	X	10.12433	184.77659	278.62600	6.08352	0.1556121	0.28711895	2.2755942	21	—	—
288126 2003 WV_{76}	15.7	X	72.45116	194.84824	256.22008	8.92110	0.1286027	0.18404631	3.0609153	21	2 15.2	19.7
288127 2003 WH_{77}	16.5	X	335.59241	110.89688	280.87880	1.79239	0.1784679	0.21646428	2.7471258	21	10 24.1	19.0
288128 2003 WN_{78}	17.0	X	324.98255	90.33907	14.39215	5.63616	0.0670627	0.28113697	2.3077605	21	—	—
288129 2003 WO_{79}	16.9	X	24.79399	155.92218	273.27140	3.31986	0.2152627	0.22883286	2.6472226	21	—	—
288130 2003 WM_{80}	17.2	X	127.52647	41.43055	11.51156	2.75021	0.1752015	0.24323109	2.5416943	21	3 12.4	20.7
288131 2003 WY_{81}	17.2	X	111.53767	123.44222	278.81008	6.42297	0.1580068	0.29694904	2.2250926	21	1 21.9	19.5
288132 2003 WO_{84}	17.9	X	129.12820	154.06735	287.53854	6.63790	0.1771359	0.35837005	1.9629756	21	4 4.2	20.2
288133 2003 WA_{85}	16.6	X	340.56977	147.10581	47.17112	9.74946	0.0667172	0.24273893	2.5451288	21	2 3.1	19.9
288134 2003 WJ_{92}	16.7	X	257.77789	277.71414	115.70194	4.28048	0.2078887	0.26084648	2.4259363	21	6 17.2	20.1
288135 2003 WZ_{93}	17.5	X	345.57994	169.08804	292.99303	4.20932	0.1810748	0.28314332	2.2968458	21	—	—
288136 2003 WT_{95}	18.1	X	193.11359	231.37058	147.08601	0.67428	0.1698858	0.30539460	2.1838785	21	3 26.7	21.5
288137 2003 WY_{95}	17.9	X	132.32876	275.73612	125.18892	1.11139	0.1368996	0.29848053	2.2174749	21	2 16.2	20.3
288138 2003 WM_{96}	17.7	X	121.31148	143.91643	221.22188	3.83929	0.2855043	0.23828524	2.5767441	21	1 18.2	21.2
288139 2003 WH_{99}	16.9	X	174.93149	164.56157	345.97479	2.06366	0.1563180	0.26183235	2.4198429	21	8 31.5	20.7
288140 2003 WD_{101}	16.8	X	64.27617	42.09254	256.06872	6.54974	0.1134152	0.27485203	2.3428083	21	11 12.5	19.7
288141 2003 WQ_{101}	16.2	X	27.94784	334.66834	135.03619	14.83132	0.2060699	0.23442090	2.6049846	21	—	—
288142 2003 WK_{102}	17.2	X	37.82533	129.13253	218.72174	3.94925	0.1591947	0.27800768	2.3250458	21	12 23.3	20.0
288143 2003 WU_{102}	16.1	X	135.85931	39.74722	351.60121	14.57097	0.1091004	0.24177060	2.5519200	21	2 17.6	19.7
288144 2003 WE_{103}	17.4	X	62.15870	298.60038	75.15002	5.56338	0.1694383	0.28352940	2.2947602	21	—	—
288145 2003 WQ_{103}	16.4	X	69.37880	162.81150	241.83613	2.33943	0.2557590	0.23272623	2.6176154	21	—	—
288146 2003 WN_{104}	15.9	X	351.98994	219.95434	239.65242	12.48987	0.2200893	0.22598767	2.6693953	21	—	—
288147 2003 WR_{108}	16.6	X	146.26195	28.71566	307.51576	4.76587	0.2229873	0.23767486	2.5811538	21	1 2.5	20.5
288148 2003 WT_{113}	17.3	X	60.29399	305.31526	17.34209	6.19968	0.1499764	0.27695376	2.3309406	21	12 15.5	20.5
288149 2003 WA_{117}	17.0	X	89.26056	41.60175	13.97478	3.01001	0.2145715	0.23669076	2.5883034	21	1 31.8	19.8
288150 2003 WQ_{118}	15.8	X	22.68261	149.35795	286.13218	8.19954	0.1493539	0.22810427	2.6528566	21	—	—
288151 2003 WM_{123}	16.5	X	101.83227	125.15101	284.31869	3.69798	0.1950388	0.23756990	2.5819140	21	2 6.2	19.5
288152 2003 WS_{124}	16.0	X	96.76976	120.84764	334.32983	3.33098	0.1479164	0.24108622	2.5567472	21	3 23.9	19.2
288153 2003 WD_{125}	16.4	X	77.73454	164.17340	272.37585	12.09416	0.2621127	0.23587712	2.5942521	21	2 11.4	19.2
288154 2003 WX_{127}	15.9	X	117.90238	57.29715	336.50564	12.43519	0.1784591	0.23685302	2.5871212	21	2 7.9	19.3
288155 2003 WJ_{128}	16.5	X	269.37316	53.20908	250.91383	5.78557	0.1396687	0.25277820	2.4772869	21	3 9.5	20.2
288156 2003 WM_{128}	16.6	X	55.07132	1.84510	335.88295	4.66909	0.1560095	0.22381600	2.6866347	21	12 19.8	20.4
288157 2003 WZ_{128}	17.6	X	290.89544	114.93670	12.63116	2.12707	0.1756774	0.27839374	2.3228959	21	—	—
288158 2003 WD_{130}	16.1	X	359.16010	358.41139	68.28053	10.46827	0.0381020	0.22416016	2.6838841	21	—	—
288159 2003 WK_{134}	16.8	X	74.32409	148.77802	234.45596	6.57940	0.0963149	0.28583029	2.2824287	21	—	—
288160 2003 WQ_{135}	16.6	X	106.34758	217.44776	209.24180	0.95608	0.2152602	0.24042726	2.5614167	21	3 10.1	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288161 2003 WE_{137}	16.4	X	61.50557	172.35806	238.02874	2.84546	0.2449389	0.23168659	2.6254401	21	—	—
288162 2003 WV_{142}	16.0	X	304.75659	1.71632	60.59831	10.90776	0.0919543	0.21525221	2.7574288	21	10 20.5	19.4
288163 2003 WN_{149}	16.1	X	124.68323	248.02778	125.71043	15.89615	0.1528063	0.23780975	2.5801777	21	1 15.4	19.6
288164 2003 WY_{149}	17.9	X	346.92051	306.16390	130.06456	3.56566	0.2004079	0.27927396	2.3180124	21	—	—
288165 2003 WG_{150}	16.0	X	312.57201	266.66315	120.68706	6.81071	0.0628807	0.21137368	2.7910575	21	9 16.4	19.5
288166 2003 WO_{153}	15.5	X	96.67863	242.47741	155.47408	17.64336	0.2245817	0.18085751	3.0967895	21	1 31.4	19.8
288167 2003 WV_{154}	17.4	X	124.88493	283.21441	109.46239	5.79007	0.2023509	0.29616537	2.2290161	21	2 6.3	19.9
288168 2003 WR_{155}	16.5	X	227.40454	19.61533	90.34754	13.46811	0.1411666	0.26462020	2.4028171	21	9 9.1	20.2
288169 2003 WM_{156}	16.0	X	17.78327	235.63434	175.87585	12.62345	0.1750398	0.22438251	2.6821108	21	—	—
288170 2003 WP_{161}	16.7	X	89.94111	257.07564	117.46248	8.22891	0.1970139	0.23305785	2.6151317	21	—	—
288171 2003 WA_{164}	16.3	X	12.84866	287.41976	70.41324	7.66913	0.1032336	0.21678767	2.7443932	21	11 10.6	19.7
288172 2003 WY_{164}	17.1	X	80.37393	185.63409	95.56755	1.78947	0.0373037	0.21409641	2.7673439	21	10 23.4	20.8
288173 2003 WE_{165}	16.4	X	221.85152	268.77099	81.94590	3.46253	0.0941571	0.19223283	2.9733841	21	4 1.8	20.9
288174 2003 WQ_{168}	17.2	X	65.45283	220.66973	144.25277	6.19462	0.1991673	0.28478870	2.2879905	21	—	—
288175 2003 WT_{179}	17.1	X	291.40431	119.21797	229.82801	5.40679	0.1270400	0.25996132	2.4314400	21	6 10.7	20.0
288176 2003 WG_{180}	16.7	X	19.95118	188.36184	71.12218	12.50106	0.2299219	0.25848348	2.4406988	21	7 22.9	18.7
288177 2003 WO_{189}	15.8	X	43.23834	290.60398	110.38276	22.30244	0.1127742	0.22893513	2.6464341	21	—	—
288178 2003 WP_{189}	16.3	X	148.08906	37.51207	323.19477	16.30774	0.1737770	0.24205660	2.5499095	21	1 29.8	20.0
288179 2003 WR_{190}	16.3	X	39.31970	241.27260	190.39324	17.14152	0.2628253	0.22967325	2.6407610	21	—	—
288180 2003 WL_{192}	16.6	X	300.12306	47.27346	4.35285	4.43952	0.0604712	0.21330036	2.7742249	21	9 28.2	20.1
288181 2003 WB_{193}	16.4	X	8.74834	184.69205	263.59805	8.71823	0.1170037	0.22788252	2.6545773	21	—	—
288182 2003 WS_{193}	17.4	X	352.49817	276.86982	174.37241	3.95642	0.1494161	0.28204351	2.3028128	21	—	—
288183 2003 WW_{193}	17.2	X	81.76925	15.87599	359.21569	0.94801	0.0991911	0.22970098	2.6405485	21	—	—
288184 2003 XO	17.1	X	323.47746	275.68086	81.83338	23.77848	0.1453534	0.37728570	1.8968041	21	9 22.4	19.0
288185 2003 XA_{3}	16.6	X	68.88553	191.22416	217.28413	8.87657	0.1597312	0.23237027	2.6202879	21	—	—
288186 2003 XC_{5}	16.1	X	62.54084	181.38692	247.62559	5.64554	0.3214711	0.23185448	2.6241726	21	1 12.1	17.8
288187 2003 XY_{6}	15.8	X	62.54878	98.41607	20.71212	14.52268	0.1544314	0.23645825	2.5899998	21	3 11.4	18.7
288188 2003 XX_{10}	15.5	X	54.81878	57.81365	29.71857	31.22119	0.2613799	0.23196225	2.6233597	21	1 28.6	18.7
288189 2003 XK_{12}	16.1	X	154.07191	65.98393	3.58958	11.29243	0.2359172	0.19078492	2.9884089	21	5 2.4	21.3
288190 2003 XA_{13}	17.6	X	23.38814	108.95501	301.74147	6.99581	0.2214117	0.28241580	2.3007886	21	—	—
288191 2003 XB_{13}	16.0	X	105.23327	328.26456	282.14302	4.66760	0.1392262	0.21271532	2.7793093	21	10 21.9	20.4
288192 2003 XA_{14}	17.1	X	240.89674	303.92517	143.85450	3.63306	0.1778666	0.26284949	2.4135963	21	8 14.3	20.3
288193 2003 XZ_{17}	16.0	X	43.76085	99.50458	316.00110	11.87348	0.1853511	0.22687253	2.6624499	21	—	—
288194 2003 XY_{20}	16.0	X	284.41141	111.44127	69.53831	22.88545	0.0672043	0.22838435	2.6506873	21	—	—
288195 2003 XF_{31}	17.6	X	30.56086	237.34460	247.42619	5.17459	0.1049724	0.29230407	2.2486031	21	—	—
288196 2003 XD_{34}	17.8	X	22.15284	330.72283	121.68333	2.23981	0.0612572	0.28710155	2.2756861	21	—	—
288197 2003 XX_{40}	16.3	X	59.20280	306.94065	56.52745	7.69352	0.0272530	0.22336067	2.6902847	21	—	—
288198 2003 YX_{2}	16.3	X	329.90526	142.34773	226.36021	3.95763	0.1398165	0.21291400	2.7775800	21	9 8.6	19.4
288199 2003 YL_{3}	16.3	X	291.49966	79.52796	31.08809	15.61074	0.2456697	0.21461485	2.7628854	21	11 5.9	19.2
288200 2003 YZ_{3}	15.1	X	45.81313	140.46878	243.88990	26.83129	0.1989619	0.17036946	3.2226134	21	—	—
288201 2003 YK_{9}	15.6	X	90.83984	323.76629	104.77440	22.93853	0.0983380	0.23250433	2.6192806	21	2 4.9	19.0
288202 2003 YS_{10}	16.1	X	287.89068	150.82558	332.53227	7.38439	0.1687186	0.21749014	2.7384806	21	11 29.9	19.4
288203 2003 YF_{11}	15.5	X	207.49863	0.91616	353.53853	6.62909	0.1917600	0.24544603	2.5263802	21	3 15.1	19.8
288204 2003 YM_{12}	15.2	X	283.65279	91.62615	337.59044	9.65292	0.1582057	0.15359480	3.4531733	21	9 7.0	19.8
288205 2003 YS_{13}	15.9	X	335.62897	142.99919	306.44185	13.03331	0.1253560	0.21912740	2.7248228	21	—	—
288206 2003 YN_{19}	15.9	X	43.89401	321.78473	80.26884	14.24322	0.1663983	0.22766242	2.6562880	21	—	—
288207 2003 YK_{25}	16.7	X	17.40701	9.10505	66.45663	5.78008	0.2747727	0.22655405	2.6649445	21	—	—
288208 2003 YN_{25}	15.9	X	11.69525	176.34620	286.59102	12.72740	0.1351749	0.22761440	2.6566616	21	—	—
288209 2003 YM_{29}	17.0	X	58.63793	150.04237	276.73172	7.43551	0.1305595	0.28601955	2.2814217	21	—	—
288210 2003 YF_{30}	17.1	X	110.99504	24.44537	56.61989	4.05501	0.1169160	0.24261820	2.5459730	21	3 22.3	20.4
288211 2003 YR_{30}	17.0	X	201.17937	44.51423	61.94370	6.36787	0.1533002	0.25845320	2.4408894	21	8 1.4	20.8
288212 2003 YL_{31}	17.2	X	56.54959	301.96716	55.05835	3.18437	0.2223459	0.28002033	2.3138916	21	—	—
288213 2003 YE_{34}	16.4	X	27.23296	270.82430	159.04559	6.55355	0.1688043	0.22823811	2.6518194	21	—	—
288214 2003 YJ_{34}	16.3	X	91.97071	148.99759	217.36795	11.59379	0.2076976	0.23101671	2.6305130	21	—	—
288215 2003 YV_{37}	15.4	X	186.63478	129.33328	306.82816	9.28425	0.0872519	0.19363754	2.9589867	21	6 7.8	20.0
288216 2003 YJ_{41}	17.0	X	17.16097	279.56264	104.95067	6.82412	0.1220318	0.27290746	2.3539240	21	—	—
288217 2003 YK_{41}	16.3	X	167.98749	212.01521	106.91119	3.50512	0.0621429	0.22793161	2.6541961	21	—	—
288218 2003 YC_{42}	17.5	X	281.99470	63.17925	98.55671	4.77361	0.1834631	0.27517941	2.3409498	21	—	—
288219 2003 YP_{44}	16.1	X	53.03971	115.23764	295.26224	16.00105	0.2251042	0.17100534	3.2146197	21	—	—
288220 2003 YX_{44}	16.9	X	251.42840	307.96841	119.69838	6.75139	0.0910245	0.26360178	2.4090020	21	8 12.6	20.1
288221 2003 YK_{45}	15.7	X	191.92285	277.30444	107.07207	5.30632	0.1574185	0.19339239	2.9614868	21	4 13.5	20.6
288222 2003 YK_{55}	16.1	X	99.00195	307.93312	91.79017	6.60884	0.0571467	0.23523603	2.5989634	21	1 1.5	19.3
288223 2003 YW_{58}	16.7	X	257.38354	14.83254	82.64091	9.36226	0.1400476	0.26686952	2.3892966	21	9 29.1	19.8
288224 2003 YV_{59}	17.7	X	262.61017	32.46259	39.57369	1.53840	0.1909374	0.26464785	2.4026498	21	8 18.2	20.7
288225 2003 YA_{63}	16.0	X	120.25676	114.40286	292.04478	3.31745	0.1926767	0.23698086	2.5861907	21	2 25.3	19.5
288226 2003 YL_{67}	16.4	X	356.92085	342.86650	82.59994	5.44862	0.1523558	0.22373057	2.6873186	21	—	—
288227 2003 YA_{68}	16.7	X	162.95165	232.60703	104.66953	2.18124	0.0481976	0.23556165	2.5965677	21	1 2.0	20.2
288228 2003 YR_{69}	17.6	X	318.27035	260.67803	199.85367	3.77915	0.1463062	0.27823564	2.3237757	21	—	—
288229 2003 YV_{69}	16.9	X	124.15896	205.83908	151.20000	6.07586	0.2810680	0.23736698	2.5833853	21	1 11.3	20.5
288230 2003 YH_{71}	17.4	X	348.42360	68.77576	319.77320	2.17843	0.1764050	0.27315790	2.3524850	21	12 2.2	19.2
288231 2003 YR_{71}	15.6	X	11.10673	248.91812	272.01073	20.87744	0.1018791	0.23713466	2.5850723	21	1 22.7	18.9
288232 2003 YY_{71}	16.3	X	49.05957	229.03938	267.78390	12.83833	0.1116254	0.23926009	2.5697401	21	2 21.9	19.5
288233 2003 YD_{72}	16.4	X	126.72145	22.63026	321.72523	2.26930	0.1257329	0.23129502	2.6284024	21	—	—
288234 2003 YJ_{78}	15.8	X	130.05822	108.91307	294.09566	9.42188	0.1799310	0.18346513	3.0673761	21	3 5.9	20.7
288235 2003 YJ_{79}	16.1	X	36.31162	161.61094	293.57273	9.38118	0.0837560	0.22963709	2.6410382	21	—	—
288236 2003 YS_{79}	17.0	X	33.51015	26.50020	72.88692	3.89821	0.1627441	0.22975838	2.6401087	21	—	—
288237 2003 YN_{82}	17.0	X	349.72655	8.84461	73.35496	7.29285	0.1252383	0.27830037	2.3234154	21	—	—
288238 2003 YK_{89}	16.0	X	102.33027	99.08888	303.83536	15.96780	0.1879857	0.23224823	2.6212057	21	1 29.4	19.1
288239 2003 YQ_{91}	15.6	X	321.48397	165.14423	297.68146	13.23214	0.0751591	0.21600646	2.7510061	21	—	—
288240 2003 YD_{94}	15.3	X	96.31737	157.74187	301.76681	9.89936	0.1186290	0.18187355	3.0852452	21	3 27.8	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288241 2003 YL_{94}	15.3	X	196.73574	253.57505	279.73132	13.84630	0.0890899	0.20655229	2.8343232	21	10 13.4	19.8
288242 2003 YT_{98}	17.3	X	302.04683	282.21587	138.18829	2.71913	0.2003349	0.26906292	2.3762939	21	10 6.2	19.1
288243 2003 YP_{100}	17.5	X	316.99612	206.18894	192.95257	2.13818	0.2020774	0.26925904	2.3751398	21	10 4.6	18.9
288244 2003 YY_{100}	17.0	X	242.78586	330.25272	120.80634	3.40514	0.1727963	0.26161416	2.4211882	21	8 22.3	20.4
288245 2003 YW_{102}	17.1	X	90.81232	146.41296	263.11208	6.98645	0.2143636	0.28958533	2.2626550	21	1 7.7	18.8
288246 2003 YK_{105}	16.9	X	251.47655	108.58584	72.05108	10.48422	0.2089846	0.27464372	2.3439928	21	12 29.4	19.5
288247 2003 YD_{112}	16.8	X	118.77739	336.72979	23.02892	5.66550	0.2993051	0.23521854	2.5990922	21	1 13.3	20.4
288248 2003 YO_{113}	16.7	X	31.99225	60.24373	55.27726	3.06294	0.1058337	0.23193818	2.6235412	21	1 3.3	19.6
288249 2003 YP_{113}	16.3	X	135.85982	342.69510	27.57229	3.46072	0.3101498	0.23702035	2.5859034	21	2 13.0	20.4
288250 2003 YY_{118}	16.3	X	184.59271	307.23873	63.88122	6.46246	0.3030366	0.24482020	2.5306838	21	3 22.7	20.9
288251 2003 YJ_{119}	15.9	X	186.79750	355.95905	49.87048	6.43673	0.1948952	0.19299016	2.9656002	21	5 2.9	20.9
288252 2003 YB_{121}	16.3	X	68.01424	96.01671	326.25070	11.55946	0.1545117	0.23037372	2.6354054	21	—	—
288253 2003 YX_{122}	17.1	X	251.93209	13.50077	74.12963	3.68511	0.1478752	0.26228749	2.4170427	21	9 2.7	20.4
288254 2003 YV_{124}	17.4	X	346.84069	239.02950	86.26458	24.84995	0.0861245	0.37204849	1.9145631	21	9 12.7	19.6
288255 2003 YU_{126}	16.4	X	110.30641	306.61845	64.78932	11.59964	0.1717341	0.28784267	2.2717783	21	—	—
288256 2003 YN_{127}	15.4	X	49.79021	188.01765	311.72842	12.56182	0.0938183	0.18208345	3.0828737	21	3 10.4	19.5
288257 2003 YC_{129}	16.1	X	43.39939	74.91856	326.53414	11.94526	0.2758691	0.22453999	2.6808566	21	—	—
288258 2003 YA_{136}	16.6	X	130.49760	347.66168	59.99204	7.16021	0.1231656	0.23852422	2.5750227	21	3 6.4	20.3
288259 2003 YL_{137}	16.2	X	24.92113	298.68465	91.03871	7.56348	0.0566145	0.21747808	2.7385818	21	12 31.5	19.9
288260 2003 YF_{138}	16.9	X	272.05058	353.51069	17.56402	1.44812	0.1948661	0.25624787	2.4548740	21	6 4.7	20.4
288261 2003 YC_{142}	16.2	X	165.51144	105.11387	24.07678	7.93484	0.1777388	0.25390965	2.4699221	21	7 28.3	20.3
288262 2003 YZ_{142}	15.7	X	157.10407	62.17549	35.16064	10.34918	0.0403880	0.19226156	2.9730879	21	5 29.8	20.1
288263 2003 YG_{145}	15.8	X	318.29320	113.61846	339.84326	13.70371	0.0962404	0.21589986	2.7519116	21	12 18.6	19.3
288264 2003 YL_{145}	15.4	X	65.71634	22.78645	92.50184	18.69585	0.1729835	0.17847850	3.1242476	21	3 29.6	19.7
288265 2003 YR_{150}	15.8	X	147.48585	86.33070	15.18534	10.52295	0.0548159	0.18974850	2.9992810	21	5 24.1	20.4
288266 2003 YH_{154}	15.8	X	80.43851	70.34865	353.53992	12.52432	0.1541426	0.23137948	2.6277627	21	1 23.8	18.9
288267 2003 YP_{155}	15.5	X	61.56769	352.57056	96.72502	15.01372	0.1793967	0.18077880	3.0976883	21	2 10.4	19.3
288268 2003 YH_{157}	16.8	X	231.49380	320.57081	155.09872	8.41507	0.1722762	0.20862200	2.8155461	21	9 7.7	21.1
288269 2003 YC_{158}	15.2	X	79.77921	144.49061	285.43667	16.55830	0.1806583	0.23890012	2.5723208	21	1 25.2	18.1
288270 2003 YD_{161}	17.2	X	277.86246	335.13690	200.19194	6.87926	0.0351927	0.28276902	2.2988722	21	—	—
288271 2003 YD_{163}	15.8	X	118.72880	72.84263	316.39276	12.51355	0.2034815	0.23529881	2.5985011	21	2 4.8	19.4
288272 2003 YN_{163}	17.8	X	312.97866	119.35884	341.14581	1.51554	0.1079093	0.27630408	2.3345930	21	—	—
288273 2003 YV_{163}	16.6	X	136.26720	86.07626	264.32031	8.14127	0.2225762	0.23619865	2.5918973	21	1 8.6	20.3
288274 2003 YH_{167}	16.4	X	45.24631	98.99489	293.12828	6.32467	0.0215716	0.21889618	2.7267412	21	—	—
288275 2003 YS_{169}	15.6	X	86.53485	141.04564	302.60269	8.45532	0.1038825	0.17913030	3.1166642	21	2 24.5	19.9
288276 2003 YC_{172}	15.6	X	95.15016	42.16774	83.18417	10.42717	0.1054614	0.18618440	3.0374364	21	5 4.3	19.9
288277 2003 YD_{172}	16.3	X	309.52890	71.37342	24.09616	3.86563	0.0957846	0.21616139	2.7496915	21	12 6.6	19.5
288278 2003 YJ_{173}	16.7	X	237.29614	90.74615	34.64508	4.24803	0.0503686	0.21251899	2.7810207	21	10 12.1	20.6
288279 2004 AX	16.1	X	328.05204	194.47445	212.00192	10.22233	0.3081868	0.21620252	2.7493428	21	10 24.4	17.5
288280 2004 AA_{2}	16.5	X	262.23132	297.58200	107.53211	15.22614	0.0701389	0.25675652	2.4516307	21	7 29.4	19.6
288281 2004 AE_{2}	17.6	X	57.37569	0.46736	97.77473	6.26952	0.1107335	0.28871172	2.2672171	21	1 5.2	19.7
288282 2004 AH_{4}	12.6	X	352.36565	351.24464	300.49590	35.29560	0.1757573	0.08137673	5.2739485	21	7 7.9	18.8
288283 2004 AF_{10}	15.5	X	98.82579	213.27842	118.84133	32.02899	0.0708738	0.21890512	2.7266670	21	—	—
288284 2004 AM_{10}	15.7	X	70.56657	131.30207	296.02986	21.36382	0.0430458	0.22912891	2.6449418	21	—	—
288285 2004 AZ_{11}	15.9	X	62.83434	204.82171	315.70114	4.59297	0.1042004	0.18525339	3.0476045	21	4 29.9	19.9
288286 2004 AT_{12}	15.6	X	352.24771	144.53582	103.43412	10.93054	0.0228853	0.18877442	3.0095897	21	5 13.1	19.8
288287 2004 AB_{13}	16.6	X	233.25754	38.55846	102.23486	2.80596	0.1494739	0.20929804	2.8094800	21	10 14.3	20.6
288288 2004 AO_{19}	17.0	X	254.57823	250.41965	325.84999	4.29945	0.0924066	0.22304768	2.6928009	21	—	—
288289 2004 AM_{20}	17.0	X	321.10151	110.10443	319.19266	3.42737	0.0487819	0.21286682	2.7779904	21	11 20.6	20.6
288290 2004 AG_{21}	16.8	X	148.70963	168.81431	103.77641	4.65103	0.2039548	0.27117428	2.3639433	21	—	—
288291 2004 AL_{22}	16.9	X	59.99240	96.40714	290.42362	5.04196	0.0941307	0.22252659	2.6970030	21	—	—
288292 2004 AF_{24}	16.4	X	130.54761	95.36490	116.08846	7.42495	0.0754316	0.25978086	2.4325659	21	10 5.7	19.9
288293 2004 AC_{25}	16.7	X	150.76887	356.71044	91.17054	2.64491	0.1532447	0.18948250	3.0020873	21	5 20.8	21.4
288294 2004 BY	16.8	X	7.16219	291.19153	143.94895	5.26927	0.1555612	0.22155913	2.7048485	21	—	—
288295 2004 BU_{5}	16.3	X	290.69757	118.59081	117.81652	3.12156	0.0390297	0.23227576	2.6209986	21	1 25.8	20.0
288296 2004 BD_{6}	17.2	X	33.17945	105.54133	296.24206	8.23317	0.1143650	0.27692292	2.3311137	21	—	—
288297 2004 BD_{8}	16.8	X	193.95660	329.53560	77.20101	4.38071	0.1146972	0.24742656	2.5128805	21	5 7.8	20.5
288298 2004 BE_{10}	16.3	X	129.49848	316.08796	80.34065	5.69304	0.2201643	0.23555248	2.5966351	21	3 2.6	20.2
288299 2004 BB_{11}	17.4	X	56.29152	102.62804	122.80832	23.70900	0.0512284	0.36250279	1.9480278	21	7 12.3	19.2
288300 2004 BF_{14}	15.7	X	244.79365	236.02947	253.31705	8.16644	0.1101057	0.20911092	2.8111557	21	10 14.1	19.7
288301 2004 BF_{16}	16.3	X	89.22302	77.10049	20.95331	4.83284	0.1250586	0.23502872	2.6004914	21	3 16.6	19.5
288302 2004 BU_{20}	16.8	X	356.69541	209.18216	343.90938	3.13807	0.1418526	0.23442333	2.6049666	21	2 15.0	19.4
288303 2004 BP_{21}	16.1	X	322.32814	330.06967	136.40358	12.97193	0.1000590	0.21815308	2.7329299	21	—	—
288304 2004 BS_{22}	16.3	X	286.01500	136.77122	319.26152	2.89479	0.0907754	0.21097064	2.7946110	21	10 31.0	19.9
288305 2004 BE_{23}	16.1	X	337.43252	356.77215	127.23953	14.59965	0.0574625	0.22271046	2.6955184	21	—	—
288306 2004 BZ_{25}	16.0	X	101.06730	258.82487	153.49819	16.59635	0.2390692	0.17857161	3.1231615	21	2 26.9	20.3
288307 2004 BY_{31}	16.1	X	248.12277	221.22171	315.97235	6.89193	0.0886604	0.21671990	2.7449653	21	12 24.9	19.8
288308 2004 BX_{32}	16.2	X	67.38457	67.40453	312.01634	11.66022	0.2791486	0.22502037	2.6770398	21	—	—
288309 2004 BJ_{33}	16.5	X	151.49903	358.60725	88.49687	2.64919	0.1715999	0.18911563	3.0059685	21	5 21.7	21.3
288310 2004 BX_{33}	16.7	X	41.05303	11.27843	343.85105	4.01483	0.0839870	0.21320339	2.7750660	21	12 11.5	20.5
288311 2004 BV_{34}	16.7	X	62.75154	62.29466	7.13195	1.94737	0.0554416	0.22762525	2.6565771	21	—	—
288312 2004 BO_{35}	16.9	X	22.50220	126.70556	113.77707	11.24380	0.0981215	0.24571429	2.5245411	21	6 13.4	19.7
288313 2004 BC_{36}	16.1	X	269.68045	275.40859	320.48456	10.49815	0.1376053	0.22635845	2.6664795	21	—	—
288314 2004 BS_{36}	16.8	X	202.59120	129.18177	117.40276	7.09881	0.0762314	0.27533653	2.3400591	21	—	—
288315 2004 BM_{37}	17.3	X	87.32638	190.57523	320.14836	5.89479	0.0212837	0.24319412	2.5419520	21	5 3.9	20.7
288316 2004 BH_{39}	12.8	X	283.88519	58.59769	291.88747	29.70350	0.0344671	0.08224691	5.2366833	21	6 24.1	19.8
288317 2004 BO_{47}	16.7	X	260.72954	356.23563	115.19322	7.80471	0.0697150	0.26612635	2.3937427	21	11 1.6	19.7
288318 2004 BF_{49}	17.6	X	7.71592	98.36627	295.10599	3.99038	0.2372527	0.27406270	2.3473045	21	—	—
288319 2004 BK_{51}	16.4	X	287.67325	31.86420	141.98160	5.52974	0.0454962	0.22081870	2.7108916	21	—	—
288320 2004 BT_{51}	15.9	X	28.66402	112.62284	308.78678	7.15302	0.2862591	0.22402267	2.6849822	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288321 2004 BM_{53}	16.5	X	292.50996	207.04447	270.11437	2.73074	0.0550470	0.21520476	2.7578341	21	12 12.7	19.8
288322 2004 BU_{53}	17.0	X	34.64317	270.62321	114.52528	5.79244	0.1626643	0.27573006	2.3378320	21	—	—
288323 2004 BY_{54}	15.2	X	198.64320	55.16416	306.09639	21.50512	0.0311726	0.18082957	3.0971084	21	3 10.1	20.1
288324 2004 BS_{58}	16.9	X	146.64989	252.30639	135.66481	20.86460	0.2699253	0.34975785	1.9950681	21	2 27.8	19.6
288325 2004 BB_{61}	16.3	X	55.33802	216.06242	122.43800	6.86532	0.0974387	0.21332897	2.7739768	21	12 11.7	20.2
288326 2004 BF_{61}	18.2	X	35.78116	131.51900	278.06526	1.35092	0.2037331	0.28009221	2.3134957	21	—	—
288327 2004 BG_{62}	17.6	X	285.52469	335.58083	74.03425	2.69180	0.1825147	0.26270413	2.4144865	21	8 21.4	20.3
288328 2004 BO_{65}	16.3	X	143.03624	263.03059	1.72556	3.55467	0.0550994	0.21384932	2.7694751	21	12 14.7	20.3
288329 2004 BS_{66}	16.4	X	114.29933	32.57285	337.41927	3.02549	0.0612373	0.22722366	2.6597063	21	—	—
288330 2004 BL_{67}	15.8	X	326.22689	295.60676	287.61475	3.66035	0.0861868	0.17807472	3.1289686	21	2 25.1	19.9
288331 2004 BJ_{68}	17.5	X	153.62120	305.18168	160.96639	24.41271	0.0377107	0.35874857	1.9615946	21	6 5.5	20.4
288332 2004 BB_{70}	16.4	X	22.81578	114.14829	316.43739	8.30807	0.2149939	0.22443914	2.6816596	21	—	—
288333 2004 BG_{75}	16.3	X	61.15471	327.84517	108.71786	5.74167	0.1564234	0.22916487	2.6446651	21	1 3.6	19.0
288334 2004 BX_{78}	16.9	X	27.16294	63.24791	329.41205	3.88188	0.1213010	0.21795209	2.7346097	21	—	—
288335 2004 BH_{80}	16.6	X	87.01713	278.64600	138.45929	13.53678	0.2546788	0.23264259	2.6182427	21	2 5.7	19.2
288336 2004 BT_{80}	16.7	X	47.13053	233.97975	316.02723	5.32174	0.0856264	0.24176349	2.5519700	21	5 8.1	19.7
288337 2004 BG_{88}	16.0	X	236.54637	283.84418	268.57253	6.76611	0.1440743	0.21473680	2.7618393	21	12 20.8	19.9
288338 2004 BW_{89}	15.4	X	170.04704	103.25164	291.20310	14.95290	0.0553304	0.18179568	3.0861262	21	3 22.1	20.3
288339 2004 BD_{95}	15.7	X	69.69768	210.02787	284.08726	12.90906	0.0448301	0.23481518	2.6020677	21	3 16.3	19.4
288340 2004 BZ_{97}	16.4	X	230.63378	212.92687	343.22068	7.37146	0.1530301	0.21034567	2.8001438	21	12 16.2	20.5
288341 2004 BX_{99}	16.3	X	264.96364	237.08404	0.74641	14.82739	0.0456416	0.22234784	2.6984483	21	—	—
288342 2004 BT_{103}	15.9	X	73.92321	298.98691	127.40011	22.49563	0.0473187	0.22648435	2.6654912	21	1 3.2	19.5
288343 2004 BG_{114}	15.6	X	326.09922	162.80420	359.97866	13.87956	0.1461834	0.22253481	2.6969367	21	—	—
288344 2004 BH_{117}	15.9	X	73.17953	340.69762	113.40917	22.43283	0.0702890	0.23167528	2.6255255	21	2 9.3	19.3
288345 2004 BA_{120}	16.6	X	38.62659	67.73622	4.24008	10.39909	0.2440473	0.22632797	2.6667188	21	—	—
288346 2004 BO_{124}	15.7	X	26.93668	310.97978	200.09327	7.90721	0.1669589	0.17652728	3.1472277	21	2 23.1	19.4
288347 2004 BS_{129}	18.1	X	254.72290	295.74101	162.39746	1.77152	0.1479168	0.26295163	2.4129712	21	9 19.2	21.1
288348 2004 BD_{132}	18.0	X	333.84454	164.84109	258.70944	2.07961	0.1655377	0.27142500	2.3624873	21	12 24.3	19.8
288349 2004 BM_{132}	15.7	X	348.15614	58.58850	129.80520	3.94501	0.1171269	0.17551336	3.1593368	21	2 11.3	19.7
288350 2004 BQ_{136}	16.6	X	104.62498	243.85839	101.70971	3.42970	0.0958087	0.22180957	2.7028122	21	—	—
288351 2004 BO_{145}	16.8	X	254.92676	127.45076	136.24293	3.65594	0.0593509	0.23003746	2.6379730	21	1 15.7	20.7
288352 2004 BW_{145}	16.4	X	40.55437	114.69110	295.63986	15.94725	0.1778660	0.22504665	2.6768314	21	—	—
288353 2004 BO_{146}	15.5	X	3.67035	182.79894	324.28066	7.55232	0.0850436	0.17166001	3.2064413	21	1 18.5	19.6
288354 2004 BP_{146}	16.3	X	80.52403	309.73362	108.74441	5.28185	0.0993853	0.22856773	2.6492693	21	1 6.3	19.2
288355 2004 BX_{147}	16.1	X	73.86246	257.87628	128.52224	6.69678	0.0519942	0.22295687	2.6935321	21	—	—
288356 2004 BB_{154}	16.0	X	24.83022	348.82912	321.20782	9.65323	0.0583184	0.20250521	2.8719613	21	9 14.0	19.7
288357 2004 BO_{154}	18.1	X	273.75478	357.74429	125.17427	3.06310	0.1618462	0.26906813	2.3762632	21	11 21.4	20.6
288358 2004 CF_{1}	16.1	X	310.11663	121.72935	77.82930	14.02649	0.1140551	0.22745598	2.6578949	21	—	—
288359 2004 CN_{5}	16.7	X	253.21549	204.94206	15.46852	7.20028	0.0701008	0.27796409	2.3252889	21	—	—
288360 2004 CF_{10}	16.4	X	73.21688	343.77010	85.00198	3.09611	0.2371564	0.17470516	3.1690729	21	2 10.8	20.2
288361 2004 CD_{11}	15.7	X	74.67126	1.73952	317.74594	11.52250	0.0487610	0.20989974	2.8041083	21	12 2.0	19.8
288362 2004 CK_{11}	17.4	X	253.26180	179.65233	217.12135	2.45153	0.1440929	0.30876138	2.1679740	21	6 23.6	20.2
288363 2004 CN_{11}	17.5	X	319.86463	172.66797	307.17585	3.46013	0.1336784	0.27424350	2.3462727	21	—	—
288364 2004 CR_{11}	16.7	X	86.40346	69.19976	319.99070	11.94863	0.3049380	0.22735206	2.6587048	21	1 9.6	19.5
288365 2004 CH_{13}	15.7	X	103.41285	214.97289	334.02813	9.99738	0.0341632	0.19235910	2.9720827	21	7 24.5	20.0
288366 2004 CB_{15}	17.1	X	129.54440	215.31151	13.83707	3.16057	0.1529335	0.25871653	2.4392329	21	10 26.5	20.8
288367 2004 CJ_{17}	15.6	X	295.46762	221.28536	30.25984	8.06459	0.0532413	0.17474913	3.1685413	21	3 2.7	20.1
288368 2004 CG_{18}	17.4	X	295.40831	143.94515	17.21672	1.88399	0.1283039	0.27568020	2.3381139	21	—	—
288369 2004 CK_{19}	17.0	X	329.84454	241.26857	244.86371	0.53586	0.0400663	0.22141136	2.7060519	21	—	—
288370 2004 CH_{20}	16.8	X	226.36952	169.46339	89.31864	3.89708	0.0546560	0.22418809	2.6836613	21	—	—
288371 2004 CM_{20}	16.1	X	74.27524	11.90837	40.41592	2.79293	0.1901878	0.17231791	3.1982748	21	1 16.2	19.9
288372 2004 CV_{22}	16.5	X	285.54982	5.00104	108.35441	6.12978	0.1140157	0.21259569	2.7803518	21	11 22.1	19.9
288373 2004 CA_{25}	16.3	X	322.17898	300.46426	164.55779	8.99492	0.1308893	0.21511023	2.7586420	21	—	—
288374 2004 CF_{26}	15.6	X	90.76412	109.90499	331.33287	8.62811	0.0728000	0.17438476	3.1729535	21	2 25.7	19.8
288375 2004 CM_{29}	16.4	X	22.29784	154.19168	130.05497	16.42754	0.1440116	0.19660196	2.9291671	21	8 19.6	19.8
288376 2004 CB_{30}	15.3	X	172.50281	56.73052	308.59307	11.18782	0.0787574	0.17858765	3.1229745	21	2 24.8	20.2
288377 2004 CK_{36}	15.3	X	340.43556	137.11837	28.46328	10.27208	0.0303618	0.16876607	3.2429926	21	1 17.0	19.9
288378 2004 CH_{39}	15.0	X	25.82655	186.00884	334.92116	25.55267	0.0952828	0.17566396	3.1575308	21	3 3.6	19.0
288379 2004 CA_{50}	17.3	X	8.95349	222.43662	147.47291	22.72958	0.0950289	0.37673462	1.8986534	21	12 29.6	19.6
288380 2004 CR_{52}	15.8	X	175.32785	28.34826	140.09673	9.89741	0.0911113	0.19905332	2.9050689	21	9 23.2	20.3
288381 2004 CZ_{68}	17.2	X	157.97801	46.22618	127.81424	5.03949	0.1420241	0.25564436	2.4587360	21	9 15.8	21.0
288382 2004 CY_{73}	16.1	X	9.24193	295.47481	137.18528	12.67805	0.2776252	0.22350861	2.6890975	21	—	—
288383 2004 CS_{74}	16.9	X	67.23197	26.66978	176.26836	4.78513	0.1741920	0.24532453	2.5272143	21	7 14.1	20.1
288384 2004 CP_{75}	16.4	X	214.92705	61.77332	151.50944	6.83523	0.0796598	0.27106550	2.3645757	21	—	—
288385 2004 CB_{76}	16.2	X	268.77793	13.05479	137.23315	5.94411	0.0993229	0.21194144	2.7860707	21	12 16.2	19.8
288386 2004 CV_{80}	16.8	X	158.22093	114.91421	130.88683	4.34208	0.1325660	0.26464094	2.4026916	21	12 14.7	20.4
288387 2004 CX_{80}	15.4	X	34.18508	37.45372	141.90674	11.25803	0.0517324	0.17954366	3.1118787	21	4 14.4	19.7
288388 2004 CR_{82}	17.0	X	302.42813	336.03815	157.19343	5.46214	0.1942035	0.21639495	2.7477126	21	—	—
288389 2004 CW_{82}	16.6	X	195.50432	244.74857	356.94910	3.73771	0.1539346	0.21329149	2.7743017	21	—	—
288390 2004 CS_{83}	16.2	X	150.26993	250.58115	321.92980	9.38262	0.0278330	0.20354608	2.8621620	21	10 13.4	20.4
288391 2004 CT_{85}	17.4	X	160.79348	104.04049	84.92260	2.06083	0.1238064	0.25699092	2.4501398	21	10 7.0	21.0
288392 2004 CU_{88}	16.4	X	110.02977	279.97398	90.72340	6.98428	0.0875094	0.22552251	2.6730646	21	—	—
288393 2004 CN_{104}	16.1	X	64.37215	284.00625	170.54096	11.63307	0.1648926	0.23009620	2.6375240	21	2 2.5	19.0
288394 2004 CG_{115}	16.2	X	77.57420	234.58665	173.89718	13.63128	0.2635194	0.22953557	2.6418169	21	1 8.3	19.0
288395 2004 CS_{117}	16.5	X	76.07844	104.81423	303.02680	1.80941	0.0765969	0.22574231	2.6713292	21	—	—
288396 2004 CO_{120}	17.3	X	231.61787	79.43427	183.03870	2.57912	0.1988552	0.22035705	2.7146765	21	—	—
288397 2004 CN_{123}	17.5	X	136.77934	302.37534	155.27644	3.59956	0.0762915	0.24139559	2.5545623	21	5 9.4	21.0
288398 2004 CU_{125}	17.2	X	165.26576	0.90122	165.60569	6.64874	0.0522996	0.25524503	2.4612998	21	9 12.1	20.7
288399 2004 CZ_{125}	17.4	X	78.91719	230.77205	55.23460	0.95893	0.1936477	0.25810946	2.4430560	21	11 21.2	21.1
288400 2004 DO_{3}	15.6	X	291.83025	125.38974	345.66505	13.25586	0.1228803	0.21155678	2.7894468	21	11 21.6	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288401 2004 DO_4	15.6	X	219.25981	50.44013	334.43875	21.72501	0.0332521	0.18595228	3.0399635	21	5 3.2	20.5
288402 2004 DH_{13}	15.1	X	63.77063	194.28291	341.78992	17.92292	0.2093834	0.17996577	3.1070109	21	6 7.1	19.5
288403 2004 DZ_{14}	16.0	X	322.13632	288.05804	273.79663	12.46212	0.1818933	0.22672673	2.6635912	21	1 1.4	19.6
288404 2004 DO_{16}	17.2	X	204.06039	311.14803	221.20131	5.93315	0.0861167	0.26248275	2.4158439	21	11 2.9	20.3
288405 2004 DY_{19}	16.3	X	177.74440	264.71190	186.02762	12.40508	0.1934493	0.19148484	2.9811222	21	6 18.4	21.5
288406 2004 DT_{20}	15.9	X	347.31616	210.63894	265.11076	8.48984	0.1376348	0.21960155	2.7208991	21	—	—
288407 2004 DB_{27}	17.5	X	290.97093	119.21870	116.38350	3.84148	0.1849994	0.28144060	2.3061004	21	—	—
288408 2004 DM_{28}	15.9	X	1.58933	122.40450	48.61847	2.11563	0.1270225	0.17233414	3.1980739	21	2 10.5	19.8
288409 2004 DU_{28}	16.5	X	345.83764	44.06756	124.90149	4.96061	0.0210099	0.22695550	2.6618010	21	1 13.9	20.1
288410 2004 DN_{33}	15.5	X	338.15594	104.72613	150.78545	11.00039	0.1582542	0.17779622	3.1322352	21	4 21.2	19.4
288411 2004 DA_{36}	16.2	X	261.25411	337.90375	202.90192	5.24839	0.0826183	0.21480837	2.7612258	21	—	—
288412 2004 DC_{36}	16.1	X	202.95123	18.78777	172.70411	15.57116	0.0746769	0.20662005	2.8337035	21	11 21.7	20.5
288413 2004 DG_{43}	16.8	X	77.21837	329.34344	143.24842	4.73502	0.1386906	0.23405374	2.6077082	21	3 20.6	19.7
288414 2004 DU_{46}	16.0	X	66.19971	269.91151	170.61809	22.03303	0.0571122	0.22619681	2.6677496	21	1 9.3	19.8
288415 2004 DO_{50}	16.1	X	15.10459	121.99777	297.16914	6.09917	0.2889755	0.21984320	2.7189050	21	—	—
288416 2004 DG_{54}	16.3	X	6.25419	258.84153	128.62670	5.28229	0.0825603	0.21005364	2.8027384	21	12 5.2	19.8
288417 2004 DT_{57}	17.4	X	170.87916	87.55431	346.48387	4.23827	0.1859822	0.24532511	2.5272103	21	5 19.8	21.5
288418 2004 DD_{61}	15.5	X	33.35067	161.71370	336.01517	6.95031	0.0430220	0.17271663	3.1933507	21	2 17.3	19.7
288419 2004 DA_{63}	16.3	X	14.59304	306.01828	134.43135	7.34345	0.0483575	0.21862307	2.7290117	21	—	—
288420 2004 DW_{64}	17.3	X	347.01128	291.82210	164.77006	6.68514	0.0678277	0.27269846	2.3551266	21	—	—
288421 2004 DH_{70}	18.5	X	332.52116	57.66799	13.86036	1.37216	0.1642817	0.27078042	2.3662350	21	—	—
288422 2004 DG_{75}	17.3	X	358.34674	280.40019	306.36667	1.15410	0.1410848	0.23576212	2.5950956	21	4 5.8	20.1
288423 2004 DC_{76}	16.3	X	96.04133	9.66439	170.07157	9.47038	0.0718498	0.18779248	3.0200717	21	7 5.5	20.7
288424 2004 DA_{77}	16.8	X	225.97191	217.86855	269.26884	4.34436	0.1181587	0.25966974	2.4332598	21	9 23.6	20.2
288425 2004 EE	15.7	X	114.96400	119.87250	0.32511	15.66692	0.1532039	0.18159530	3.0883960	21	5 19.4	20.6
288426 2004 EM_8	17.5	X	263.79978	216.33059	353.06113	1.16519	0.1273099	0.27286797	2.3541512	21	—	—
288427 2004 EL_{15}	16.4	X	70.49183	29.87972	149.07493	17.80590	0.2149610	0.18165986	3.0876642	21	6 24.8	20.9
288428 2004 EZ_{16}	15.9	X	54.76672	136.59962	32.32629	10.83518	0.1783641	0.17778854	3.1323254	21	5 10.0	19.7
288429 2004 EE_{19}	16.0	X	348.24418	66.41665	166.94651	26.31356	0.2452740	0.17519576	3.1631539	21	3 28.7	19.5
288430 2004 EQ_{21}	18.1	X	337.89587	110.29883	17.17696	1.45583	0.1368631	0.27543049	2.3395269	21	—	—
288431 2004 EJ_{23}	17.6	X	227.62608	50.41463	110.94487	3.05545	0.1395524	0.26228485	2.4170590	21	11 10.9	20.9
288432 2004 ET_{24}	15.6	X	7.85549	309.67325	140.86658	26.08499	0.1353342	0.21802093	2.7340341	21	—	—
288433 2004 EV_{24}	17.2	X	250.64517	10.24098	3.47418	18.88847	0.0789380	0.35524283	1.9744789	21	5 14.7	20.0
288434 2004 EU_{25}	15.4	X	45.30144	257.58548	331.92409	8.22133	0.0854241	0.18502571	3.0501041	21	7 5.4	19.4
288435 2004 EE_{31}	17.5	X	279.96997	268.42469	174.71853	22.15462	0.1120773	0.37259135	1.9127030	21	11 7.2	19.3
288436 2004 ER_{32}	15.9	X	357.21554	304.31119	269.66532	12.42013	0.2307697	0.17311861	3.1884055	21	3 13.1	19.6
288437 2004 ES_{32}	15.0	X	73.69128	236.91060	290.95378	13.27104	0.1634986	0.18060955	3.0996232	21	6 5.2	19.2
288438 2004 EF_{35}	16.1	X	341.40361	222.70121	19.95290	17.44116	0.1470892	0.23181441	2.6244749	21	4 1.0	19.0
288439 2004 EP_{41}	17.3	X	112.97115	136.90634	353.74208	6.25454	0.0887729	0.29618556	2.2289148	21	5 19.2	20.0
288440 2004 EM_{43}	16.0	X	121.11350	262.84527	294.82087	9.01925	0.1500869	0.19081738	2.9880700	21	8 31.5	20.8
288441 2004 EM_{45}	17.0	X	197.97959	118.97795	167.19124	3.82513	0.0251024	0.21970811	2.7200193	21	—	—
288442 2004 ES_{45}	16.5	X	29.88043	290.65989	160.99015	3.31058	0.2315675	0.16681791	3.2681923	21	—	—
288443 2004 EU_{45}	14.9	X	120.04455	306.62291	167.93527	8.59259	0.1312039	0.12561821	3.9485197	21	5 24.8	20.9
288444 2004 EW_{47}	16.2	X	59.49756	153.35161	357.70216	10.26838	0.1647463	0.17700378	3.1415769	21	4 20.3	20.2
288445 2004 EB_{50}	16.2	X	354.27007	117.84448	358.93520	4.71805	0.0639346	0.21962941	2.7206691	21	—	—
288446 2004 EG_{55}	16.2	X	43.26642	214.81207	313.02584	12.80261	0.1041970	0.23411251	2.6072718	21	3 27.9	19.4
288447 2004 EO_{55}	15.7	X	63.48232	301.72505	220.14377	11.35903	0.1154451	0.17849532	3.1240513	21	5 7.2	19.6
288448 2004 EZ_{55}	15.7	X	242.45904	326.40507	213.76853	12.91126	0.1272846	0.20904942	2.8117071	21	12 13.8	19.7
288449 2004 EK_{58}	16.4	X	29.33488	291.06384	165.24366	13.56935	0.1460153	0.22265130	2.6959959	21	—	—
288450 2004 EU_{58}	15.2	X	20.07186	281.36035	242.21147	15.69054	0.1789158	0.17174112	3.2054316	21	2 22.4	19.2
288451 2004 EG_{61}	16.4	X	358.98959	297.27869	178.41707	2.65246	0.1314833	0.22097948	2.7095765	21	—	—
288452 2004 EA_{62}	17.4	X	198.98150	69.34773	191.78422	1.68126	0.2306040	0.26856672	2.3792199	21	—	—
288453 2004 EM_{67}	17.5	X	165.53600	18.34070	169.19460	2.47437	0.1488840	0.25578405	2.4578407	21	10 8.9	21.3
288454 2004 EU_{69}	17.3	X	3.24401	165.26192	348.22719	3.17709	0.1276781	0.22571800	2.6715209	21	1 7.1	20.2
288455 2004 EW_{69}	15.8	X	339.56047	221.21783	175.36075	13.74054	0.0681750	0.20364931	2.8611947	21	11 7.2	19.5
288456 2004 EX_{74}	15.8	X	299.39031	10.77436	140.84502	9.58447	0.0736077	0.21743619	2.7389335	21	—	—
288457 2004 EE_{75}	15.6	X	99.27505	268.98297	178.12782	9.79245	0.2246701	0.17725519	3.1386056	21	4 7.1	20.0
288458 2004 EP_{76}	17.2	X	301.30759	304.27824	161.98103	5.58365	0.1648380	0.26744827	2.3858484	21	12 18.6	19.3
288459 2004 EL_{77}	16.9	X	108.22545	76.64882	112.82403	0.96339	0.2784511	0.18842646	3.0132936	21	8 24.3	21.7
288460 2004 EB_{79}	16.6	X	80.25303	48.50905	80.26344	3.13555	0.0187740	0.23351617	2.6117088	21	3 30.4	19.9
288461 2004 EG_{83}	16.1	X	26.86502	5.63560	176.46702	15.72142	0.1990295	0.17596889	3.1538821	21	4 12.3	19.5
288462 2004 EB_{88}	17.7	X	201.86351	293.91481	260.55521	0.55019	0.1238119	0.26275938	2.4141480	21	11 24.9	21.0
288463 2004 EA_{91}	15.8	X	352.07982	97.44902	163.18928	12.20287	0.1114324	0.18178051	3.0862978	21	5 24.6	19.8
288464 2004 EJ_{91}	17.8	X	172.18839	195.34321	71.08990	2.39238	0.1524522	0.26720330	2.3873064	21	—	—
288465 2004 EE_{92}	16.0	X	244.45570	62.74940	339.93103	5.11790	0.1647589	0.19162770	2.9796404	21	6 20.9	20.7
288466 2004 EK_{94}	15.5	X	123.60373	76.36273	19.04911	10.98509	0.0747137	0.17927577	3.1149780	21	4 22.5	20.1
288467 2004 EF_{103}	17.1	X	230.73835	144.76211	78.84537	2.00733	0.0151242	0.21494871	2.7600238	21	—	—
288468 2004 ER_{111}	16.8	X	58.48127	63.35909	67.67582	4.18534	0.1597694	0.23172656	2.6251382	21	3 18.9	19.5
288469 2004 EZ_{112}	15.9	X	331.65362	133.61732	136.14700	7.86240	0.1093347	0.17944541	3.1130145	21	5 4.5	20.0
288470 2004 FJ_1	18.2	X	346.06394	293.89263	177.96900	19.87605	0.0978201	0.38701646	1.8648751	21	—	—
288471 2004 FF_3	15.6	X	341.58260	105.46201	160.50310	24.01129	0.3418776	0.17450859	3.1714522	21	4 16.9	19.1
288472 2004 FB_4	17.8	X	291.09437	347.79628	156.99440	5.26133	0.1021936	0.26930242	2.3748848	21	—	—
288473 2004 FA_6	17.3	X	84.53659	214.32239	68.52129	7.81297	0.1491971	0.31130997	2.1561255	21	11 26.6	20.2
288474 2004 FE_6	16.9	X	88.31455	131.50193	163.17508	2.24831	0.0453142	0.20254031	2.8716295	21	11 18.1	21.0
288475 2004 FO_{12}	16.0	X	92.91800	29.89042	101.48888	7.37612	0.1486529	0.18040609	3.1019533	21	5 14.6	20.4
288476 2004 FP_{13}	16.1	X	26.46194	231.97172	322.98082	9.96451	0.0720408	0.23444844	2.6047806	21	4 7.6	19.3
288477 2004 FJ_{15}	15.1	X	50.79598	270.45192	312.05157	17.73226	0.1128955	0.18420833	3.0591202	21	7 9.6	19.1
288478 Fahlman	16.7	X	164.50885	45.34552	216.43631	7.35201	0.1816841	0.21017932	2.8016210	21	12 28.4	21.5
288479 2004 FX_{17}	17.3	X	79.82223	163.85308	191.51924	22.57216	0.0690840	0.38003505	1.8876448	21	—	—
288480 2004 FJ_{20}	16.1	X	75.30193	120.55800	350.44282	14.09623	0.0580038	0.23022471	2.6365424	21	3 4.9	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288481 2004 FL_{22}	16.1	X	40.18697	278.10232	289.94761	11.39672	0.1355542	0.23704654	2.5857129	21	5 30.0	19.0
288482 2004 FQ_{22}	17.1	X	154.33707	225.25657	1.45961	5.11658	0.0703849	0.25918049	2.4363210	21	11 15.9	20.6
288483 2004 FY_{22}	16.7	X	336.90977	143.66679	5.26589	4.80432	0.0504894	0.22008681	2.7168982	21	—	—
288484 2004 FW_{23}	16.6	X	309.23658	280.92175	333.02030	2.22540	0.1289630	0.22961521	2.6412060	21	2 27.7	20.0
288485 2004 FP_{26}	18.2	X	157.15085	189.20560	13.62178	3.26461	0.1100574	0.31268435	2.1498028	21	10 25.9	21.0
288486 2004 FK_{27}	16.7	X	295.32928	264.58563	338.58145	3.93498	0.1743550	0.22498483	2.6773217	21	1 24.3	20.7
288487 2004 FQ_{30}	16.0	X	110.08748	74.55822	62.95906	26.78535	0.3016173	0.18483903	3.0521574	21	6 22.4	21.2
288488 2004 FH_{35}	15.1	X	88.36594	121.73524	333.65323	11.36370	0.0939974	0.17331910	3.1859461	21	3 12.9	19.5
288489 2004 FN_{41}	16.3	X	287.26024	359.31076	164.29065	9.64806	0.0992409	0.21323353	2.7748045	21	—	—
288490 2004 FZ_{41}	16.1	X	319.77098	316.44534	145.42308	10.01463	0.1918257	0.21289984	2.7777031	21	12 30.2	18.9
288491 2004 FE_{45}	16.9	X	34.92761	79.65579	116.11323	4.80284	0.1466532	0.23488378	2.6015611	21	5 5.8	19.6
288492 2004 FQ_{47}	17.3	X	271.79861	32.53843	183.06901	4.68949	0.1706201	0.27763003	2.3271538	21	—	—
288493 2004 FU_{48}	15.8	X	77.87404	172.57423	341.51441	9.45635	0.1167784	0.18074297	3.0980977	21	5 13.8	20.2
288494 2004 FD_{49}	16.3	X	334.30126	288.98657	193.61121	9.42182	0.1993545	0.21796231	2.7345242	21	—	—
288495 2004 FT_{51}	15.9	X	185.59582	245.63148	356.79101	12.60567	0.1766951	0.21001147	2.8031136	21	12 25.2	20.6
288496 2004 FG_{54}	17.8	X	275.61352	306.78787	207.44110	1.89761	0.1712184	0.26967725	2.3726837	21	—	—
288497 2004 FU_{58}	16.9	X	51.28054	81.48992	351.56672	1.89661	0.1401915	0.22130039	2.7069564	21	—	—
288498 2004 FE_{61}	15.3	X	309.72470	103.93766	170.59746	25.31209	0.2781628	0.17368151	3.1815127	21	3 13.1	19.7
288499 2004 FO_{61}	16.8	X	312.28142	273.59099	154.88799	5.88395	0.0576723	0.26062322	2.4273215	21	11 18.7	19.6
288500 2004 FG_{72}	16.7	X	126.88008	247.00004	156.36657	3.18242	0.1000327	0.22806749	2.6531418	21	2 19.0	20.3
288501 2004 FW_{82}	16.9	X	349.84114	82.29319	146.91131	11.62704	0.2068602	0.23245826	2.6196266	21	3 19.9	19.5
288502 2004 FM_{85}	16.7	X	75.50104	156.68168	40.15939	11.56214	0.0720487	0.24108540	2.5567530	21	7 1.9	20.1
288503 2004 FL_{86}	16.5	X	18.65451	212.59250	27.44197	10.27329	0.0871955	0.24034650	2.5619905	21	6 1.9	19.5
288504 2004 FF_{92}	16.7	X	277.51003	74.62659	83.55268	12.05607	0.2199491	0.27091053	2.3654773	21	—	—
288505 2004 FT_{93}	16.5	X	267.03393	24.44557	175.63295	8.48850	0.1285281	0.21479338	2.7613542	21	—	—
288506 2004 FO_{98}	15.6	X	346.47192	55.12775	10.58384	14.22416	0.1750904	0.21036620	2.7999616	21	—	—
288507 2004 FH_{101}	16.2	X	46.76586	234.27569	334.75238	5.85391	0.0534355	0.18281504	3.0746435	21	6 4.5	20.4
288508 2004 FB_{106}	17.0	X	296.26406	327.11844	120.63403	6.94086	0.0727168	0.26241561	2.4162560	21	11 20.1	19.8
288509 2004 FH_{106}	15.9	X	236.14664	218.36370	14.66627	12.84213	0.1453287	0.21304023	2.7764827	21	—	—
288510 2004 FA_{107}	16.2	X	304.85522	52.58520	200.47877	10.22505	0.1498130	0.22692151	2.6620668	21	2 15.5	20.0
288511 2004 FS_{108}	16.7	X	264.59707	1.17972	180.77781	4.25521	0.1354426	0.21169810	2.7882052	21	—	—
288512 2004 FF_{112}	16.6	X	175.61062	101.35625	181.66145	12.86239	0.2028345	0.21079667	2.7961484	21	—	—
288513 2004 FQ_{116}	17.5	X	79.53562	124.36045	126.83672	8.28103	0.1945141	0.30353456	2.1927912	21	10 17.7	20.6
288514 2004 FE_{118}	16.6	X	26.99132	54.13368	177.06252	14.25165	0.0911025	0.23787095	2.5797351	21	6 7.7	19.8
288515 2004 FG_{121}	15.4	X	172.99893	32.01485	128.11275	11.00261	0.0382677	0.19271652	2.9684069	21	9 10.9	19.8
288516 2004 FU_{122}	15.6	X	80.25050	257.85446	237.48648	15.03456	0.2155360	0.17770056	3.1333592	21	5 11.1	19.8
288517 2004 FZ_{123}	16.0	X	240.50424	140.45089	78.31787	14.27526	0.1436097	0.21333038	2.7739646	21	—	—
288518 2004 FU_{136}	15.9	X	299.08750	111.34298	91.71768	14.08309	0.1355071	0.21954546	2.7213626	21	—	—
288519 2004 FR_{137}	18.0	X	182.92986	323.51917	183.18985	3.10489	0.1380284	0.25190224	2.4830265	21	9 2.6	21.9
288520 2004 FJ_{138}	16.2	X	70.90483	348.83317	335.92733	4.62808	0.0473519	0.20329087	2.8645569	21	12 3.3	20.2
288521 2004 FC_{142}	15.9	X	290.67849	258.40958	191.02551	10.90365	0.1055451	0.20343312	2.8632215	21	10 28.8	19.5
288522 2004 FK_{143}	16.5	X	335.63752	40.89134	352.07353	14.58817	0.1036678	0.25899921	2.4374577	21	10 28.6	19.3
288523 2004 FR_{147}	15.8	X	150.77898	222.90145	282.52958	8.54845	0.2013319	0.19006405	2.9959604	21	7 30.8	20.9
288524 2004 FU_{147}	15.0	X	59.24927	212.79694	338.08271	26.82226	0.0688448	0.18039388	3.1020932	21	5 25.2	19.8
288525 2004 FT_{156}	16.3	X	127.65911	299.20773	169.86212	6.45962	0.1419540	0.18197699	3.0840759	21	5 24.3	21.1
288526 2004 FE_{165}	16.4	X	71.77200	87.48459	53.03036	28.11585	0.1405635	0.23323806	2.6137844	21	4 27.2	19.7
288527 2004 FH_{165}	16.3	X	143.79860	197.70692	93.10130	24.77739	0.1457858	0.26512794	2.3997485	21	—	—
288528 2004 FM_{166}	16.2	X	111.34561	247.11225	341.23524	14.54497	0.2682233	0.19131485	2.9828878	21	10 5.6	21.4
288529 2004 GZ_{6}	16.8	X	328.99416	40.92613	72.24404	3.56646	0.1074730	0.21520127	2.7578639	21	—	—
288530 2004 GS_{8}	17.0	X	307.90079	24.26570	208.33778	10.88446	0.1038906	0.22437383	2.6821800	21	1 31.1	20.9
288531 2004 GT_{8}	16.5	X	290.33833	5.83019	218.54733	3.44846	0.2370082	0.21878338	2.7276784	21	—	—
288532 2004 GK_{9}	16.3	X	261.39137	87.36150	207.73654	7.57637	0.1518837	0.16787764	3.2544241	21	2 28.3	21.4
288533 2004 GX_{9}	16.9	X	358.84298	248.30742	187.38064	10.50859	0.0310618	0.20925377	2.8098762	21	—	—
288534 2004 GF_{12}	15.3	X	340.26075	281.74090	356.50171	15.61187	0.2121283	0.17778538	3.1323625	21	5 8.7	19.1
288535 2004 GJ_{13}	15.6	X	358.55475	253.53262	353.14739	16.21829	0.1619973	0.17577761	3.1561698	21	5 4.8	19.6
288536 2004 GV_{19}	15.4	X	294.44776	102.20472	104.90460	26.36011	0.1645679	0.21672104	2.7449557	21	—	—
288537 2004 GQ_{20}	16.2	X	352.16008	198.17428	77.44724	12.83638	0.1464445	0.23570573	2.5955095	21	6 6.9	18.5
288538 2004 GJ_{23}	17.6	X	93.36156	350.24071	186.26033	3.60218	0.1021412	0.29720280	2.2238259	21	7 2.3	20.3
288539 2004 GU_{23}	16.7	X	353.18702	147.14815	134.93689	7.65337	0.1337248	0.29431861	2.2383306	21	6 18.4	18.5
288540 2004 GX_{23}	16.2	X	68.70751	30.47888	146.19627	8.94702	0.1366404	0.23558763	2.5963768	21	6 5.1	19.5
288541 2004 GV_{25}	17.8	X	63.48735	91.11876	76.22321	0.40420	0.1576405	0.29151806	2.2526432	21	5 10.6	19.7
288542 2004 GL_{28}	16.0	X	259.11336	256.08485	104.89283	21.89552	0.0462455	0.23791513	2.5794157	21	6 1.8	19.8
288543 2004 GV_{31}	17.4	X	188.10284	208.39508	356.85978	0.98724	0.1387893	0.25865860	2.4395971	21	11 21.9	21.2
288544 2004 GZ_{31}	16.8	X	304.56206	74.35784	77.20268	4.99283	0.0579870	0.27024175	2.3693784	21	—	—
288545 2004 GL_{32}	16.1	X	233.47739	312.40691	265.60904	8.17497	0.1656444	0.21191207	2.7863281	21	—	—
288546 2004 GN_{34}	15.2	X	34.33733	202.45532	335.96626	16.94474	0.1232285	0.17477976	3.1681711	21	4 5.7	19.4
288547 2004 GF_{42}	17.8	X	141.44402	170.24520	83.12002	5.84154	0.2168658	0.31375802	2.1448956	21	12 13.5	21.1
288548 2004 GC_{44}	17.5	X	243.43610	141.50362	28.37552	2.13210	0.1262892	0.26497275	2.4006854	21	12 13.8	20.3
288549 2004 GU_{44}	16.4	X	5.91446	288.84740	328.22333	2.83841	0.1504760	0.18094944	3.0957406	21	6 9.6	19.8
288550 2004 GJ_{49}	16.6	X	105.64987	230.09299	213.40062	11.02202	0.1416726	0.22887627	2.6468878	21	3 19.4	20.2
288551 2004 GF_{50}	16.5	X	260.77378	69.03351	330.31174	2.68445	0.1675493	0.24480283	2.5308035	21	7 4.2	20.1
288552 2004 GG_{57}	17.7	X	147.87657	200.97472	10.36626	1.11538	0.1335072	0.25466296	2.4650489	21	10 21.2	21.6
288553 2004 GG_{62}	16.3	X	55.66990	23.18025	148.84126	1.31046	0.1107224	0.17683749	3.1435461	21	5 8.5	20.2
288554 2004 GH_{62}	16.3	X	306.37621	137.88711	184.54863	5.27229	0.1496120	0.18080554	3.0973829	21	5 27.8	20.3
288555 2004 GY_{73}	15.9	X	71.07675	348.72255	263.51035	8.95268	0.2152918	0.18780851	3.0198999	21	9 21.8	20.5
288556 2004 GC_{87}	17.0	X	222.08596	294.79823	297.85662	6.74320	0.1178174	0.26702355	2.3883777	21	—	—
288557 2004 HQ	16.9	X	312.27013	357.31093	54.78902	22.43645	0.0701371	0.36957479	1.9230969	21	11 17.1	18.0
288558 2004 HV	14.8	X	307.93548	288.81647	281.57902	36.15824	0.3727802	0.21850194	2.7300201	21	—	—
288559 2004 HA_{5}	16.0	X	29.60510	63.47352	174.71635	3.00373	0.0668820	0.18086659	3.0966859	21	6 20.3	20.0
288560 2004 HR_{6}	15.5	X	65.12377	112.88812	2.81156	4.84794	0.1460854	0.17170635	3.2058644	21	3 16.5	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288561 2004 HA_9	17.4	X	38.83697	116.18073	105.07027	3.66525	0.1204293	0.29337748	2.2431150	21	6 13.4	19.4
288562 2004 HW_{10}	16.3	X	351.03275	198.43487	57.64302	10.18224	0.1098581	0.23385878	2.6091573	21	5 9.9	19.0
288563 2004 HR_{16}	17.1	X	183.36668	214.03786	9.83090	2.42647	0.1286377	0.26013039	2.4303864	21	12 11.3	20.8
288564 2004 HO_{17}	16.8	X	263.99782	173.42652	31.91095	7.02639	0.0795637	0.27057178	2.3674513	21	—	—
288565 2004 HB_{19}	15.0	X	358.78126	226.78828	15.37036	27.45841	0.1643081	0.17405255	3.1769896	21	4 26.6	18.9
288566 2004 HT_{24}	17.4	X	263.15655	114.77613	11.95313	4.57863	0.1439847	0.26292536	2.4131319	21	11 9.1	20.2
288567 2004 HK_{26}	15.2	X	345.29866	84.30772	208.47199	13.98455	0.1698988	0.17941552	3.1133603	21	6 18.6	18.9
288568 2004 HK_{32}	17.3	X	90.88661	141.26626	26.40624	3.67474	0.0947243	0.23982100	2.5657318	21	6 15.8	20.6
288569 2004 HY_{35}	16.6	X	336.00213	191.16490	63.24261	8.51008	0.1388765	0.23167750	2.6255088	21	4 10.9	19.6
288570 2004 HD_{37}	17.6	X	26.96655	223.80225	51.49556	5.53478	0.1392169	0.29717550	2.2239621	21	8 25.0	19.6
288571 2004 HE_{37}	15.2	X	306.06765	273.72203	51.41708	14.63006	0.2412650	0.17526603	3.1623084	21	5 15.5	19.5
288572 2004 HY_{39}	15.9	X	246.15970	29.29886	46.11118	4.19329	0.1728751	0.19253106	2.9703128	21	8 3.5	20.5
288573 2004 HX_{40}	16.0	X	5.06541	12.82126	210.31993	17.01947	0.0961855	0.17484225	3.1674162	21	4 24.6	20.0
288574 2004 HC_{44}	15.9	X	242.25437	262.00698	19.79843	14.59176	0.1636343	0.21839400	2.7309196	21	1 26.0	20.6
288575 2004 HO_{50}	17.3	X	220.46906	131.41960	115.27566	10.33499	0.1938490	0.26727844	2.3868590	21	—	—
288576 2004 HR_{51}	16.4	X	61.07612	347.20529	219.41865	13.87099	0.0875078	0.23786303	2.5797924	21	6 24.9	19.8
288577 2004 HB_{59}	16.4	X	86.92867	57.05018	222.91842	14.85450	0.1477188	0.19279164	2.9676357	21	11 8.5	20.9
288578 2004 HJ_{60}	17.1	X	27.48612	246.97981	17.28442	6.50069	0.1179336	0.29730642	2.2233091	21	8 4.1	19.2
288579 2004 HL_{62}	16.7	X	94.62356	42.91638	127.24930	25.06540	0.0614290	0.35073317	1.9913678	21	6 21.2	19.2
288580 2004 HE_{65}	15.9	X	138.15999	150.53335	303.23706	12.71061	0.1175202	0.23429968	2.6058831	21	5 4.9	20.1
288581 2004 HV_{65}	17.1	X	221.20889	305.59225	333.03929	1.77955	0.0605335	0.21766488	2.7370148	21	—	—
288582 2004 JL	16.6	X	234.83529	37.70219	70.14335	3.86784	0.0216727	0.19213258	2.9744182	21	9 19.8	20.8
288583 2004 JO	17.1	X	328.82587	145.88890	187.51364	3.11509	0.2644625	0.23798820	2.5788877	21	7 1.4	19.3
288584 2004 JT_{1}	15.7	X	79.08555	229.42101	354.36363	9.34412	0.0997652	0.18400590	3.0613634	21	8 17.3	20.0
288585 2004 JX_{4}	15.2	X	301.71514	343.85420	283.99903	18.49889	0.0980192	0.16995088	3.2279027	21	3 10.5	20.1
288586 2004 JV_{11}	16.1	X	118.58737	49.03906	121.49484	19.86522	0.1307459	0.24130895	2.5551737	21	7 29.6	19.8
288587 2004 JO_{14}	16.7	X	141.73180	152.67508	123.72317	5.09021	0.0947244	0.25797880	2.4438809	21	—	—
288588 2004 JE_{16}	15.4	X	331.88776	78.67887	217.71226	15.32815	0.2334991	0.17632911	3.1495853	21	5 22.2	19.0
288589 2004 JH_{16}	17.5	X	232.41950	91.42688	150.75940	2.85939	0.1836271	0.26835168	2.3804908	21	—	—
288590 2004 JZ_{16}	15.6	X	348.59989	130.31947	143.65308	6.34464	0.1630446	0.17598453	3.1536952	21	6 1.3	19.2
288591 2004 JJ_{18}	17.3	X	195.37276	180.34828	66.51053	3.40878	0.1473650	0.26301423	2.4125883	21	—	—
288592 2004 JW_{20}	20.7	X	253.16216	207.52041	235.16889	14.73239	0.5614450	1.05967636	0.9528413	21	7 13.6	20.7
288593 2004 JO_{21}	15.7	X	202.54267	212.26088	224.29274	7.53169	0.0371584	0.18153735	3.0890532	21	6 27.5	20.2
288594 2004 JC_{25}	16.2	X	210.26227	31.50587	183.89781	7.57101	0.1155001	0.20414512	2.8565602	21	12 20.9	20.6
288595 2004 JP_{27}	15.1	X	335.22640	224.19913	65.94551	14.84295	0.1811989	0.17448067	3.1717906	21	5 26.5	18.5
288596 2004 JQ_{29}	16.7	X	335.32427	181.02573	81.68385	3.37330	0.1606870	0.22937465	2.6430524	21	4 16.5	19.5
288597 2004 JP_{33}	18.0	X	70.81623	97.49874	162.32274	3.89698	0.1620537	0.30170550	2.2016447	21	10 12.1	20.8
288598 2004 JS_{36}	16.9	X	149.05957	244.22669	78.43566	1.66875	0.0643773	0.20976857	2.8052772	21	—	—
288599 2004 JM_{41}	16.7	X	67.24359	190.84776	62.33572	7.99675	0.0626233	0.24334481	2.5409024	21	9 10.2	20.1
288600 2004 KY_{3}	15.2	X	4.27714	256.02270	60.83795	17.65387	0.1474159	0.18298593	3.0727290	21	9 10.1	19.1
288601 2004 KP_{6}	15.4	X	21.93762	105.44625	116.35687	6.31144	0.0973643	0.17418239	3.1754106	21	5 21.5	19.4
288602 2004 KK_{9}	16.2	X	80.35015	350.91611	257.10303	6.41437	0.1723292	0.24321440	2.5418106	21	9 28.1	19.9
288603 2004 KQ_{18}	16.3	X	323.53349	152.95236	164.94023	12.46284	0.2070712	0.23317323	2.6142689	21	6 7.7	19.3
288604 2004 LJ_{5}	15.4	X	13.33487	358.05699	271.98427	18.68243	0.2527271	0.22995257	2.6386221	21	7 17.8	17.5
288605 2004 LE_{6}	17.1	X	316.16129	256.40552	54.93400	7.21813	0.2605605	0.28375340	2.2935524	21	4 30.3	19.4
288606 2004 LO_{14}	16.8	X	138.72814	309.75639	190.97347	13.24443	0.0378687	0.23524148	2.5989232	21	7 2.6	20.7
288607 2004 LJ_{25}	17.0	X	356.33112	177.97800	109.10589	7.09835	0.2490470	0.28921091	2.2646074	21	6 30.3	17.8
288608 2004 LU_{25}	17.3	X	353.58115	354.64750	273.35572	6.69846	0.2393383	0.28563752	2.2834555	21	5 12.1	18.7
288609 2004 LE_{26}	16.5	X	357.70134	141.14529	127.79391	6.67657	0.2415111	0.23202085	2.6229179	21	6 4.9	18.6
288610 2004 LG_{31}	16.3	X	70.43880	91.20292	159.07709	8.05068	0.2419030	0.18203503	3.0834203	21	9 27.8	20.8
288611 2004 MS_{7}	16.0	X	26.43839	243.60582	42.02117	13.41333	0.1796066	0.23457754	2.6038248	21	9 13.6	19.1
288612 2004 NE_{5}	15.4	X	34.60472	297.37583	314.42893	28.86688	0.3232841	0.23238026	2.6202127	21	8 19.4	18.1
288613 2004 NQ_{6}	15.6	X	325.47941	10.54517	335.95586	14.10471	0.2739211	0.22918858	2.6444827	21	7 17.8	18.1
288614 2004 NB_{8}	15.8	X	136.11162	294.40530	298.54092	13.25583	0.1622548	0.18667526	3.0321094	21	10 24.8	21.0
288615 2004 ND_{9}	16.4	X	44.48094	96.54989	168.35212	6.62147	0.1477258	0.23482817	2.6019718	21	8 31.8	19.5
288616 2004 NV_{9}	15.0	X	325.65041	58.66498	296.86622	13.33212	0.2481367	0.17407607	3.1767034	21	7 28.6	18.3
288617 2004 NB_{12}	17.2	X	27.76652	173.39862	126.71094	5.46135	0.1814282	0.29562929	2.2317099	21	10 12.1	19.4
288618 2004 NK_{15}	17.4	X	330.62167	178.23736	146.14867	3.43845	0.1881616	0.28831997	2.2692703	21	7 2.8	19.1
288619 2004 NL_{16}	16.3	X	348.82278	170.74300	127.74960	23.92406	0.1460810	0.28798321	2.2710391	21	7 7.2	18.3
288620 2004 NV_{16}	17.4	X	338.22710	139.78882	171.48069	3.58665	0.2333087	0.23038912	2.6352879	21	6 23.6	19.7
288621 2004 NL_{20}	15.7	X	324.07923	359.89907	275.40563	11.51291	0.1440880	0.22319679	2.6916015	21	4 11.6	19.3
288622 2004 NE_{24}	17.2	X	298.37837	40.80919	265.69117	5.47018	0.2247697	0.27954032	2.3165397	21	3 31.8	20.4
288623 2004 OF_{9}	16.1	X	10.98845	168.21046	113.55588	5.94706	0.2532821	0.17466338	3.1695782	21	8 1.4	19.1
288624 2004 OY_{9}	16.4	X	70.70033	203.91514	23.48276	5.65842	0.2180685	0.23511208	2.5998767	21	8 31.7	19.9
288625 2004 OT_{14}	15.4	X	286.91033	222.54620	125.79241	16.23812	0.0526897	0.16994723	3.2279490	21	6 19.3	20.1
288626 2004 PQ_{4}	17.1	X	309.15932	70.66217	259.10629	3.33193	0.2442020	0.28374630	2.2935906	21	5 18.3	19.4
288627 2004 PX_{5}	16.0	X	357.00968	77.65177	312.87204	24.07478	0.2789222	0.18084597	3.0969212	21	12 6.9	19.5
288628 2004 PF_{6}	16.9	X	300.67020	144.32956	174.73989	6.79372	0.1328475	0.28198413	2.3031361	21	5 11.2	19.6
288629 2004 PQ_{8}	17.5	X	294.54058	209.46526	128.31202	5.23262	0.2538836	0.28207510	2.3026409	21	5 9.8	20.4
288630 2004 PM_{11}	16.2	X	249.85867	7.47765	289.33731	2.51799	0.0709391	0.21248115	2.7813509	21	2 21.2	20.3
288631 2004 PW_{12}	17.8	X	329.43229	305.82139	345.47120	3.43675	0.2279356	0.28369023	2.2938929	21	4 26.5	19.7
288632 2004 PJ_{14}	17.4	X	315.06242	200.81222	122.92632	8.25121	0.1550423	0.28411592	2.2916010	21	6 6.6	19.7
288633 2004 PT_{21}	17.1	X	261.36317	193.66940	122.16383	4.81549	0.1522432	0.27560198	2.3385563	21	3 17.1	20.5
288634 2004 PR_{22}	17.5	X	291.88365	97.05453	256.12524	1.59931	0.2635625	0.28403034	2.2920613	21	5 24.3	20.4
288635 2004 PO_{25}	17.0	X	71.03035	298.30550	321.56785	6.91565	0.1776809	0.29581029	2.2307994	21	10 9.1	20.0
288636 2004 PU_{27}	16.1	X	330.03138	222.52988	111.68785	12.94443	0.2090638	0.22983824	2.6394971	21	7 14.7	18.6
288637 2004 PW_{29}	17.1	X	274.71346	26.34486	341.05788	5.54387	0.1823654	0.28180580	2.3041076	21	6 2.9	20.3
288638 2004 PJ_{32}	17.4	X	289.47655	351.39706	352.67418	3.97945	0.2908392	0.28184495	2.3038942	21	5 3.4	20.7
288639 2004 PT_{32}	16.5	X	319.78183	258.95316	125.84529	17.11416	0.2451803	0.23312718	2.6146132	21	9 10.6	18.9
288640 2004 PC_{33}	16.9	X	151.03197	161.39295	326.14539	5.68848	0.0242734	0.28408376	2.2917740	21	7 1.2	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288641 2004 PD_{36}	17.5	X	247.50509	332.96112	343.93707	1.09602	0.1978798	0.27221274	2.3579273	21	2 28.5	21.2
288642 2004 PP_{36}	16.3	X	346.57354	148.57869	262.36973	6.61191	0.2441647	0.24109998	2.5566499	21	12 30.5	18.5
288643 2004 PP_{37}	16.2	X	288.82328	135.97462	153.57820	11.41372	0.1959608	0.21742161	2.7390560	21	3 14.5	20.2
288644 2004 PT_{37}	17.1	X	258.62221	327.68568	335.69002	4.59379	0.2024752	0.27239976	2.3568480	21	2 21.4	20.8
288645 2004 PJ_{38}	16.2	X	3.11252	171.92200	136.77373	6.46456	0.2425699	0.23114417	2.6295459	21	8 29.3	18.1
288646 2004 PV_{42}	16.8	X	354.74976	268.56474	57.16489	5.47066	0.2247310	0.23319126	2.6141341	21	9 5.8	18.9
288647 2004 PG_{43}	16.0	X	31.64027	177.28744	155.97936	9.82341	0.1058171	0.18161057	3.0882228	21	11 2.3	20.2
288648 2004 PZ_{43}	16.5	X	190.66666	211.14152	143.57835	8.58577	0.1011845	0.21055226	2.7983119	21	3 3.8	20.8
288649 2004 PK_{45}	15.2	X	44.94476	309.28932	359.10811	10.04280	0.0678928	0.17802993	3.1294933	21	10 9.4	19.5
288650 2004 PV_{46}	18.0	X	278.92206	155.95744	177.91692	2.18036	0.2316746	0.27933082	2.3176978	21	4 17.8	21.1
288651 2004 PG_{47}	17.9	X	175.44183	272.02501	51.98996	3.23661	0.1318798	0.32085931	2.1131303	21	—	—
288652 2004 PN_{50}	17.2	X	275.70616	358.44507	355.29154	5.55614	0.1485189	0.28157691	2.3053561	21	5 20.1	20.2
288653 2004 PH_{51}	17.4	X	15.21352	197.83035	126.27927	6.34539	0.1550859	0.29381967	2.2408639	21	10 22.0	19.5
288654 2004 PR_{52}	16.4	X	13.84759	275.47815	43.73973	4.39116	0.3108151	0.17618700	3.1512787	21	10 10.9	19.4
288655 2004 PV_{53}	16.7	X	31.52089	315.99592	357.73650	7.34607	0.1257593	0.29462537	2.2367767	21	10 23.2	19.0
288656 2004 PR_{54}	16.9	X	2.98745	322.27765	328.15307	6.35533	0.1266219	0.28765143	2.2727850	21	7 25.9	18.6
288657 2004 PT_{54}	17.4	X	300.66494	3.37205	9.25412	3.38364	0.1939775	0.28724467	2.2749301	21	7 20.6	19.6
288658 2004 PE_{56}	17.7	X	332.89617	124.48833	179.83760	2.59954	0.2337038	0.28495970	2.2870751	21	5 26.9	19.2
288659 2004 PL_{56}	17.4	X	106.03826	276.84285	347.33834	5.23974	0.1391139	0.30168124	2.2017627	21	11 20.6	20.7
288660 2004 PS_{57}	16.9	X	348.45750	311.25953	303.46476	6.73864	0.0825978	0.28038255	2.3118983	21	4 26.2	19.4
288661 2004 PX_{57}	16.5	X	110.80818	124.88319	170.14581	5.99448	0.2210064	0.19008643	2.9957253	21	12 22.5	21.6
288662 2004 PA_{59}	15.5	X	15.68289	198.64679	153.20228	11.71565	0.1384025	0.18129744	3.0917777	21	11 6.9	19.5
288663 2004 PB_{61}	16.3	X	340.59099	39.43535	326.32955	14.87588	0.1740503	0.23334360	2.6129963	21	9 22.8	19.1
288664 2004 PH_{61}	16.0	X	207.36589	148.80557	172.62635	15.39672	0.1479659	0.20600416	2.8393486	21	2 6.1	20.7
288665 2004 PJ_{62}	17.7	X	82.50215	356.03113	303.04514	2.72745	0.1778194	0.30139727	2.2031455	21	12 16.1	20.8
288666 2004 PN_{65}	15.6	X	16.48996	175.27128	170.22609	16.13470	0.3195717	0.17758635	3.1347025	21	11 24.7	19.4
288667 2004 PW_{65}	17.5	X	321.70861	180.69400	171.47817	6.99641	0.1368547	0.28808786	2.2704891	21	8 5.4	19.4
288668 2004 PK_{67}	17.4	X	345.34610	132.76977	178.63586	5.71036	0.2283310	0.28787611	2.2716023	21	7 13.2	18.7
288669 2004 PL_{68}	17.2	X	241.50956	247.87278	135.81912	4.49151	0.1761384	0.27863381	2.3215614	21	5 21.8	20.7
288670 2004 PF_{69}	16.6	X	263.90654	211.02524	119.43641	3.80812	0.1158905	0.21830120	2.7316935	21	4 17.3	20.5
288671 2004 PQ_{70}	16.4	X	332.98678	215.60403	119.78564	5.58226	0.1286232	0.23124997	2.6287438	21	7 31.9	19.2
288672 2004 PW_{72}	17.0	X	89.18071	86.35692	129.59149	5.73036	0.0322532	0.28965119	2.2623120	21	8 13.2	19.7
288673 2004 PM_{74}	16.4	X	16.05428	298.12665	51.89996	1.63444	0.2148306	0.18014061	3.1050002	21	11 11.1	20.0
288674 2004 PC_{76}	17.6	X	299.87625	60.87962	261.46431	5.99499	0.1257852	0.28303014	2.2974581	21	5 13.1	20.3
288675 2004 PD_{76}	17.1	X	263.44005	162.38328	165.64936	7.93408	0.1388844	0.27781840	2.3261018	21	4 5.1	20.4
288676 2004 PJ_{76}	18.0	X	54.05322	280.26288	11.16618	2.50342	0.1785354	0.29729019	2.2233901	21	11 3.8	20.6
288677 2004 PW_{82}	16.0	X	49.92659	126.20565	174.32021	9.64746	0.0719673	0.18002033	3.1063831	21	10 10.4	20.2
288678 2004 PU_{83}	15.8	X	226.43946	183.63330	153.28436	9.74611	0.1538863	0.21057491	2.7981112	21	3 16.0	20.4
288679 2004 PU_{86}	17.2	X	136.23235	321.01856	9.87966	6.37594	0.1393261	0.25473885	2.4645592	21	—	—
288680 2004 PA_{92}	16.6	X	226.02440	172.25574	203.55081	5.57789	0.1255630	0.27514368	2.3411524	21	4 28.1	19.9
288681 2004 PN_{93}	16.5	X	297.21140	175.34462	175.11125	9.85439	0.2466025	0.28519454	2.2858194	21	6 1.3	19.4
288682 2004 PX_{95}	17.2	X	262.87659	225.96322	153.90967	9.14982	0.1518808	0.28227108	2.3015750	21	6 12.1	20.5
288683 2004 PG_{96}	17.7	X	16.44668	76.74458	233.87443	1.20613	0.1961958	0.29246308	2.2477880	21	10 5.6	19.4
288684 2004 PC_{98}	15.4	X	41.33849	200.98438	104.92563	15.81437	0.1029988	0.17934087	3.1142242	21	10 16.7	19.9
288685 2004 PO_{98}	17.1	X	276.20396	227.21428	114.53583	8.91448	0.1546630	0.28004298	2.3137668	21	5 8.6	20.3
288686 2004 PL_{99}	15.8	X	103.81997	213.01398	158.57394	11.80477	0.1045522	0.19539870	2.9411800	21	—	—
288687 2004 PF_{102}	15.6	X	45.85622	72.59907	278.74487	4.50716	0.1894798	0.18392469	3.0622644	21	12 22.3	19.7
288688 2004 PY_{103}	15.5	X	344.42623	186.83293	199.11241	15.32924	0.2662796	0.17369956	3.1812922	21	10 28.3	18.3
288689 2004 PD_{107}	15.5	X	6.69432	237.30278	101.93940	11.19328	0.2397846	0.17615622	3.1516457	21	10 18.3	19.0
288690 2004 PC_{114}	15.6	X	317.82051	291.51421	304.81390	12.01705	0.1659049	0.21346204	2.7728238	21	2 11.6	19.4
288691 2004 QE	17.7	X	325.95776	253.48229	137.74443	0.92863	0.1750773	0.29090416	2.2558112	21	10 21.4	19.2
288692 2004 QJ_{1}	17.5	X	131.13767	154.07550	199.74665	16.61723	0.0587331	0.37542374	1.9030706	21	—	—
288693 2004 QT_{1}	16.3	X	284.82117	57.33930	300.24254	10.05185	0.2076414	0.22333106	2.6905225	21	5 31.9	20.2
288694 2004 QH_{9}	16.1	X	188.92585	289.13436	64.92497	15.85485	0.2265572	0.20975443	2.8054032	21	3 12.1	21.2
288695 2004 QC_{12}	15.3	X	106.85250	311.44586	48.86077	10.71801	0.1452865	0.19504323	2.9447525	21	—	—
288696 2004 QZ_{16}	17.3	X	0.57679	182.97197	185.10391	3.99776	0.1693897	0.29516583	2.2340454	21	12 1.4	19.3
288697 2004 QO_{17}	17.5	X	296.00701	72.15941	296.97906	23.84857	0.2496477	0.28441974	2.2899688	21	6 28.7	20.2
288698 2004 QS_{19}	17.6	X	334.91260	66.89537	250.70610	2.20877	0.1935169	0.28590372	2.2820379	21	6 30.6	19.1
288699 2004 QY_{19}	17.0	X	39.26386	321.08970	350.57823	4.29827	0.1634076	0.29432748	2.2382856	21	11 8.2	19.6
288700 2004 QQ_{20}	16.9	X	296.51747	161.67649	134.55126	5.38114	0.0875695	0.21929183	2.7234605	21	4 17.5	20.5
288701 2004 QM_{25}	15.5	X	250.11379	40.02486	286.29473	19.77544	0.1377811	0.21226540	2.7832352	21	3 13.5	20.3
288702 2004 QH_{27}	15.6	X	50.88024	153.13673	184.63209	17.28117	0.2176262	0.17940768	3.1134509	21	12 15.3	20.3
288703 2004 RE	17.6	X	287.57735	9.63545	355.32780	2.75368	0.1923757	0.28316879	2.2967081	21	6 16.2	20.2
288704 2004 RT_{3}	15.8	X	35.29202	335.13227	61.61524	8.36994	0.1202525	0.18945542	3.0023734	21	—	—
288705 2004 RB_{5}	15.4	X	45.00267	345.92870	29.29299	10.17703	0.0570557	0.18641218	3.0349615	21	—	—
288706 2004 RX_{5}	17.2	X	167.60647	294.78307	70.38756	6.20862	0.2250203	0.26386999	2.4073693	21	2 25.1	21.1
288707 2004 RN_{6}	15.6	X	85.79715	280.63397	8.61341	14.90027	0.2698802	0.18448403	3.0560717	21	11 24.9	20.8
288708 2004 RB_{7}	15.9	X	148.48987	328.63893	35.24915	8.94732	0.2160523	0.20160024	2.8805496	21	2 14.7	20.7
288709 2004 RD_{7}	15.8	X	99.86104	251.24893	40.88727	9.07617	0.1488652	0.18524390	3.0477086	21	12 3.3	20.6
288710 2004 RN_{7}	16.4	X	308.99504	15.59852	5.35353	13.79561	0.2475574	0.22913425	2.6449007	21	8 11.8	19.3
288711 2004 RG_{12}	17.3	X	260.57190	221.42588	154.39676	5.17918	0.2368410	0.27838482	2.3229455	21	5 24.8	20.9
288712 2004 RC_{17}	17.0	X	241.82058	41.91533	333.61992	5.54171	0.1282138	0.27767510	2.3269020	21	5 12.0	20.4
288713 2004 RS_{17}	16.6	X	353.18175	257.41635	88.77466	4.73219	0.2269290	0.23295935	2.6158688	21	10 5.1	18.7
288714 2004 RC_{18}	17.1	X	3.35416	239.00154	73.60380	5.42002	0.1695549	0.28890049	2.2662294	21	9 9.4	18.8
288715 2004 RF_{18}	17.3	X	259.59520	229.66289	117.42906	6.55468	0.1490669	0.27608525	2.3358265	21	4 26.7	20.7
288716 2004 RG_{18}	17.3	X	205.00540	318.65632	21.27172	9.65641	0.2450726	0.26649141	2.3915561	21	2 25.9	21.5
288717 2004 RK_{23}	17.7	X	288.98749	164.35214	141.10651	3.00948	0.2281960	0.27725211	2.3292681	21	3 23.4	21.0
288718 2004 RO_{23}	17.0	X	350.38411	63.99772	352.17958	13.92251	0.1870564	0.24119493	2.5559789	21	—	—
288719 2004 RR_{27}	16.3	X	338.26566	66.30777	337.54987	10.80531	0.0221625	0.24098016	2.5574974	21	11 13.6	19.8
288720 2004 RW_{30}	17.4	X	297.05219	220.50195	159.05996	5.13309	0.1500200	0.28774572	2.2722885	21	7 31.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288721 2004 RB_{33}	16.1	X	257.16027	132.78162	143.65876	8.30832	0.1865323	0.20934763	2.8090363	21	1 27.4	20.6
288722 2004 RC_{38}	17.1	X	55.04338	297.67880	4.91077	11.91898	0.1936652	0.23873291	2.5735218	21	11 9.4	20.8
288723 2004 RM_{38}	16.7	X	329.54763	128.37756	134.37767	7.06014	0.1682323	0.27703950	2.3304597	21	3 30.6	19.2
288724 2004 RN_{42}	15.6	X	43.38648	20.34314	355.40336	8.88729	0.0291578	0.18578476	3.0417907	21	12 27.3	20.0
288725 2004 RU_{43}	16.1	X	69.52513	339.33167	4.42809	2.41881	0.1687551	0.18686095	3.0301003	21	—	—
288726 2004 RG_{44}	16.5	X	314.77762	85.50706	329.37448	14.19675	0.1186682	0.23673918	2.5879504	21	10 16.2	19.6
288727 2004 RT_{44}	15.8	X	73.73750	332.65413	348.88933	12.69859	0.1194348	0.18479166	3.0526790	21	12 7.6	20.5
288728 2004 RZ_{44}	17.9	X	307.95882	173.79390	157.32672	1.73532	0.1496482	0.28288413	2.2982486	21	6 5.5	20.1
288729 2004 RA_{45}	15.7	X	63.85748	143.20358	162.70311	9.95627	0.0939995	0.18078424	3.0976262	21	11 8.1	20.2
288730 2004 RC_{45}	17.4	X	144.89894	147.56352	236.39366	0.63800	0.1848093	0.26224137	2.4173261	21	2 20.2	20.9
288731 2004 RV_{45}	15.3	X	35.07399	312.60454	359.05186	9.02795	0.0801368	0.17648041	3.1477849	21	10 2.5	19.6
288732 2004 RW_{45}	16.3	X	221.92145	144.95122	141.70442	2.72341	0.0342683	0.20249713	2.8720377	21	1 13.2	20.5
288733 2004 RD_{46}	16.1	X	92.33279	21.59336	358.82515	9.41707	0.0862287	0.19522729	2.9429013	21	—	—
288734 2004 RC_{47}	15.8	X	348.33827	171.83435	175.78890	5.79790	0.1975622	0.17329587	3.1862309	21	9 10.0	19.1
288735 2004 RE_{47}	17.5	X	299.24276	338.15283	336.90798	2.86964	0.1976069	0.27959270	2.3162504	21	4 19.5	20.3
288736 2004 RK_{48}	16.2	X	63.05317	186.47525	148.80696	6.24256	0.1698728	0.18444476	3.0565054	21	12 20.4	20.8
288737 2004 RV_{51}	17.4	X	298.24117	233.66831	126.42813	3.59174	0.1331094	0.28418199	2.2912458	21	7 6.4	19.6
288738 2004 RY_{52}	17.4	X	14.14262	182.32669	141.84267	2.20073	0.1881090	0.29225886	2.2488350	21	10 22.9	19.4
288739 2004 RM_{55}	15.9	X	109.71138	136.02008	187.43204	10.69312	0.0712275	0.19047491	2.9916505	21	—	—
288740 2004 RR_{55}	16.2	X	359.33586	133.75086	179.90481	14.70503	0.1341266	0.23022852	2.6365133	21	8 16.7	19.1
288741 2004 RA_{56}	15.6	X	76.94403	343.15048	318.67952	7.75895	0.0519712	0.18178484	3.0862488	21	11 7.5	20.1
288742 2004 RX_{57}	17.4	X	240.85466	162.68652	208.59749	4.95978	0.1928741	0.27640581	2.3340202	21	5 2.6	21.0
288743 2004 RO_{58}	17.1	X	304.14906	181.17094	132.39720	4.13089	0.1947024	0.27950245	2.3167489	21	4 28.1	19.8
288744 2004 RH_{60}	16.8	X	27.85617	356.55442	331.75947	4.03099	0.1303778	0.29494162	2.2351774	21	11 9.5	19.3
288745 2004 RE_{62}	17.0	X	247.96095	228.47099	170.12882	7.52409	0.1050101	0.28117329	2.3075618	21	6 24.9	20.3
288746 2004 RL_{64}	17.3	X	274.46085	45.65220	328.15427	2.64661	0.1287301	0.28171062	2.3046266	21	6 21.2	20.1
288747 2004 RN_{64}	17.8	X	257.83947	168.16556	197.97669	1.61338	0.2134550	0.27787814	2.3257683	21	5 10.6	21.2
288748 2004 RT_{64}	17.4	X	50.20567	165.74717	176.00516	6.90357	0.1994182	0.30004584	2.2097559	21	—	—
288749 2004 RM_{65}	17.4	X	305.61218	146.90481	151.23094	2.56025	0.2143282	0.27820564	2.3239428	21	4 4.2	20.3
288750 2004 RD_{66}	17.1	X	267.62467	189.54995	179.97360	6.29683	0.1275851	0.27988959	2.3146121	21	6 6.7	20.1
288751 2004 RM_{67}	16.4	X	84.15815	335.78187	355.72927	3.28808	0.0961476	0.18751057	3.0230979	21	12 30.4	20.9
288752 2004 RQ_{67}	16.9	X	298.83444	323.12241	352.76576	6.24014	0.1274558	0.27799873	2.3250957	21	4 30.6	19.7
288753 2004 RB_{70}	16.0	X	14.03184	263.03149	131.31622	5.78918	0.1336690	0.18352776	3.0666782	21	12 24.3	19.8
288754 2004 RV_{73}	17.1	X	148.38888	202.67196	188.18295	5.68783	0.1212864	0.26445878	2.4037948	21	2 24.2	20.6
288755 2004 RX_{73}	17.2	X	61.20699	289.31979	27.14616	6.34164	0.2040898	0.29879494	2.2159190	21	12 18.9	20.4
288756 2004 RZ_{74}	17.4	X	317.58091	256.34976	32.00294	4.71031	0.2648893	0.27912353	2.3188452	21	3 29.9	19.9
288757 2004 RG_{80}	17.1	X	70.03685	127.96504	166.47597	6.08221	0.1402766	0.24072920	2.5592745	21	11 15.3	20.7
288758 2004 RS_{80}	16.6	X	12.97537	279.29945	0.68905	3.42408	0.2268762	0.22855062	2.6494015	21	8 5.6	18.7
288759 2004 RD_{81}	14.9	X	211.18248	2.46291	344.06662	8.63559	0.1085455	0.15089141	3.4942960	21	3 18.1	20.3
288760 2004 RQ_{81}	15.6	X	51.79043	243.76261	162.76522	9.58748	0.0599438	0.19210601	2.9746925	21	—	—
288761 2004 RD_{83}	17.4	X	168.25823	339.94419	16.53521	1.11055	0.1951831	0.26231032	2.4169025	21	2 10.5	21.1
288762 2004 RM_{89}	17.4	X	326.70427	132.42948	194.88801	6.80991	0.1594037	0.28655192	2.2785951	21	7 2.6	19.5
288763 2004 RC_{92}	15.7	X	13.27333	166.12637	202.56520	9.51071	0.0816865	0.18217828	3.0818038	21	11 15.9	19.7
288764 2004 RF_{92}	16.1	X	173.01740	345.73690	326.07915	7.40511	0.1587856	0.19995891	2.8962911	21	—	—
288765 2004 RK_{93}	17.5	X	330.40841	53.63623	240.44895	4.48631	0.1826478	0.28279125	2.2987518	21	5 12.9	19.6
288766 2004 RB_{94}	16.5	X	247.48274	67.58395	308.32088	8.13686	0.1602774	0.22024125	2.7156279	21	5 18.6	20.8
288767 2004 RY_{94}	17.0	X	234.11426	147.51910	216.92034	5.18496	0.1387010	0.27503212	2.3417855	21	4 20.0	20.4
288768 2004 RD_{95}	17.0	X	250.64608	198.16976	208.37165	7.11508	0.3292277	0.28194303	2.3033599	21	6 14.7	21.0
288769 2004 RU_{95}	16.1	X	259.36287	201.25766	166.90479	22.93756	0.0736444	0.22246974	2.6974625	21	6 6.4	20.4
288770 2004 RN_{96}	17.5	X	336.31963	150.31025	229.96821	4.33382	0.1366227	0.29357560	2.2421057	21	10 25.9	19.1
288771 2004 RT_{96}	16.2	X	352.60517	37.36435	318.75217	14.08222	0.1124167	0.23384042	2.6092939	21	9 29.8	19.4
288772 2004 RD_{98}	17.2	X	194.12495	10.58574	310.43702	6.57405	0.1372944	0.26293426	2.4130775	21	1 18.5	20.7
288773 2004 RN_{98}	15.9	X	105.82294	163.96623	212.14716	4.70132	0.1218761	0.19683065	2.9268979	21	—	—
288774 2004 RJ_{99}	15.9	X	6.38406	181.44363	191.06284	5.35019	0.1712409	0.17911888	3.1167967	21	11 18.8	19.5
288775 2004 RR_{99}	15.6	X	26.03518	132.19610	181.39261	21.83486	0.1046023	0.17535329	3.1612592	21	9 26.1	19.5
288776 2004 RZ_{99}	15.8	X	4.70730	197.41872	182.25262	16.77749	0.2157634	0.17920968	3.1157438	21	12 1.4	19.6
288777 2004 RM_{100}	15.7	X	1.37697	200.92494	177.12647	17.52534	0.2313964	0.17828892	3.1264620	21	11 25.3	19.4
288778 2004 RO_{101}	16.0	X	20.85445	51.62099	326.05261	6.48332	0.2259541	0.18114599	3.0935008	21	12 26.4	19.8
288779 2004 RN_{102}	17.7	X	173.92730	85.51249	290.19074	1.95348	0.2259807	0.26541770	2.3980015	21	3 11.4	21.6
288780 2004 RW_{102}	15.9	X	319.56897	68.85664	292.27074	5.16711	0.0834639	0.17058051	3.2199549	21	8 13.5	20.2
288781 2004 RP_{107}	16.9	X	217.88512	68.76420	345.00119	8.24293	0.1227742	0.27750876	2.3278318	21	6 7.9	20.4
288782 2004 RF_{108}	15.7	X	1.68031	95.39322	290.52011	8.31533	0.1104068	0.18094365	3.0958065	21	11 20.3	19.7
288783 2004 RL_{108}	18.1	X	247.50536	77.85060	319.02001	9.15270	0.2837524	0.27952754	2.3166103	21	6 2.2	22.1
288784 2004 RA_{122}	17.7	X	139.77770	12.72532	35.70910	1.88263	0.1783060	0.26484014	2.4014867	21	3 17.9	21.0
288785 2004 RH_{123}	16.4	X	53.50705	181.75172	135.93064	5.02485	0.0501873	0.18061260	3.0995884	21	11 2.8	20.7
288786 2004 RX_{123}	16.4	X	264.64541	128.08035	321.14587	25.05418	0.1606184	0.29030942	2.2588911	21	9 8.9	19.5
288787 2004 RF_{124}	15.7	X	336.94809	292.92234	71.71049	13.68342	0.1928337	0.17290584	3.1910206	21	9 18.9	19.4
288788 2004 RH_{128}	16.4	X	315.23844	97.35187	178.16584	4.74283	0.1288623	0.21763542	2.7372618	21	4 7.9	19.7
288789 2004 RF_{138}	15.1	X	6.83388	36.96946	299.15517	20.15538	0.0805646	0.17561425	3.1581266	21	9 12.0	19.6
288790 2004 RQ_{140}	17.7	X	42.19124	129.60884	205.89900	2.58560	0.1904643	0.29848475	2.2174540	21	12 21.3	20.6
288791 2004 RM_{141}	14.9	X	124.88540	236.82089	350.72918	12.35533	0.0237634	0.17531487	3.1617210	21	9 30.7	19.5
288792 2004 RJ_{142}	16.3	X	108.31619	81.44253	247.58417	2.13110	0.1027758	0.19039290	2.9925096	21	—	—
288793 2004 RB_{143}	15.4	X	74.88084	60.74716	257.61821	10.57025	0.1030199	0.18280800	3.0747224	21	12 4.4	19.8
288794 2004 RS_{143}	17.1	X	131.50030	212.23354	167.29876	9.57412	0.2064915	0.25765196	2.4459472	21	2 2.2	20.6
288795 2004 RC_{149}	17.5	X	222.32833	287.10540	45.28163	3.90099	0.2424413	0.26791549	2.3830738	21	2 27.7	21.6
288796 2004 RF_{150}	16.9	X	328.18243	276.78045	129.89374	4.62194	0.2499106	0.23384888	2.6092310	21	11 5.7	18.7
288797 2004 RG_{151}	15.7	X	240.83799	350.13231	36.51785	9.86528	0.2699320	0.21639326	2.7477269	21	5 17.6	20.3
288798 2004 RQ_{152}	15.8	X	51.47911	109.96556	268.50336	9.69312	0.0616757	0.18951393	3.0017553	21	—	—
288799 2004 RA_{154}	16.8	X	74.56404	330.78341	285.56018	7.39972	0.1292296	0.29181099	2.2511354	21	9 30.5	19.9
288800 2004 RK_{155}	16.9	X	76.32628	329.00943	300.60685	6.20761	0.0890600	0.29335779	2.2432154	21	10 16.8	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288801 2004 RD_{156}	16.1	X	47.25265	127.25848	200.07364	9.70057	0.1752072	0.18062251	3.0994749	21	11 23.5	20.4
288802 2004 RF_{157}	17.3	X	184.61196	266.42081	330.11630	2.61633	0.1137462	0.30746166	2.1740794	21	—	—
288803 2004 RY_{157}	15.7	X	71.87848	86.98685	185.04407	12.47511	0.1245112	0.17745449	3.1362551	21	10 9.2	20.1
288804 2004 RO_{158}	17.2	X	242.98537	49.63656	315.81620	5.72353	0.0797489	0.27596400	2.3365106	21	5 3.9	20.5
288805 2004 RV_{158}	17.6	X	23.05477	105.72212	329.47954	4.56017	0.0838023	0.30836625	2.1698256	21	—	—
288806 2004 RB_{163}	17.1	X	22.94765	248.19585	332.35971	4.30283	0.2179453	0.27977418	2.3152486	21	5 13.3	18.5
288807 2004 RW_{164}	18.5	X	316.52939	342.85881	164.93560	36.78601	0.3769261	0.54201954	1.4897935	21	—	—
288808 2004 RV_{167}	15.4	X	344.56775	257.95733	87.37476	19.64610	0.1729966	0.17088974	3.2160693	21	9 9.4	19.4
288809 2004 RA_{169}	17.8	X	293.21448	118.23937	200.69747	6.04759	0.1426753	0.27921564	2.3183351	21	4 27.6	20.5
288810 2004 RF_{169}	16.0	X	109.98964	228.93718	199.48918	14.71129	0.1304888	0.20369619	2.8607558	21	3 7.3	20.1
288811 2004 RP_{170}	17.3	X	314.75797	47.60764	272.66506	2.16627	0.1826120	0.28103005	2.3083458	21	5 25.0	19.7
288812 2004 RH_{172}	16.8	X	258.80719	23.88234	2.17754	5.22618	0.2191706	0.27834227	2.3231822	21	6 5.6	20.2
288813 2004 RO_{172}	16.6	X	21.36389	39.38828	279.13724	5.97115	0.1987096	0.23475036	2.6025467	21	10 13.8	19.4
288814 2004 RS_{174}	15.8	X	348.18583	222.09691	172.36791	28.20715	0.1688576	0.18009390	3.1055370	21	11 18.0	19.8
288815 2004 RM_{176}	15.8	X	329.67822	219.94504	196.46682	17.07824	0.1977458	0.17846719	3.1243796	21	11 8.5	19.2
288816 2004 RT_{177}	17.0	X	8.17730	83.50978	314.58201	8.65578	0.0943277	0.30088833	2.2056291	21	—	—
288817 2004 RX_{177}	15.8	X	160.30202	166.81487	239.09064	8.15011	0.1607874	0.20878980	2.8140374	21	4 4.9	20.5
288818 2004 RB_{178}	15.7	X	319.97980	1.05479	268.44884	8.16338	0.0938083	0.21626888	2.7487803	21	4 7.5	19.3
288819 2004 RU_{179}	17.5	X	302.87530	24.10157	279.36581	6.34227	0.1609979	0.27756934	2.3274930	21	4 12.2	20.5
288820 2004 RZ_{179}	15.5	X	70.65940	12.74613	334.08648	8.35806	0.0875820	0.18664184	3.0324713	21	—	—
288821 2004 RF_{182}	16.9	X	356.85335	4.25622	333.07081	5.93975	0.1232204	0.29025188	2.2591897	21	9 25.8	18.8
288822 2004 RS_{183}	18.0	X	244.45587	86.78935	306.09880	3.25952	0.2443416	0.27801758	2.3249906	21	5 29.2	21.6
288823 2004 RW_{183}	17.0	X	232.45690	210.18730	196.75494	5.74543	0.1231413	0.27872739	2.3210418	21	6 16.1	20.3
288824 2004 RX_{184}	15.4	X	288.15909	188.52866	306.19259	8.42430	0.0468934	0.18634837	3.0356543	21	12 23.5	19.5
288825 2004 RN_{185}	15.9	X	345.86970	110.89689	258.38230	3.77335	0.1769941	0.17429948	3.1739884	21	10 3.5	19.3
288826 2004 RO_{185}	17.6	X	246.30581	75.26894	323.03346	5.32806	0.1808032	0.27962673	2.3160624	21	6 13.6	21.1
288827 2004 RO_{187}	16.6	X	251.59624	146.35884	232.91511	6.69610	0.1245845	0.27814142	2.3243004	21	5 31.3	19.7
288828 2004 RQ_{187}	17.2	X	295.21527	4.45367	298.25586	6.13077	0.1164569	0.27518922	2.3408941	21	4 7.7	20.2
288829 2004 RD_{188}	15.9	X	36.58672	93.49099	265.28160	5.56122	0.1653938	0.18117031	3.0932240	21	12 15.7	19.9
288830 2004 RA_{190}	17.3	X	69.57675	36.68971	320.50803	6.20449	0.1236960	0.30383209	2.1913595	21	—	—
288831 2004 RG_{190}	16.9	X	211.87115	101.28501	285.23284	6.16767	0.1133882	0.27190590	2.3597009	21	4 24.9	20.6
288832 2004 RM_{190}	15.1	X	25.49090	97.45919	255.32426	8.22604	0.0993887	0.17751199	3.1355779	21	11 12.4	19.1
288833 2004 RN_{190}	16.8	X	231.75386	102.91256	270.13167	5.94313	0.1295562	0.27321049	2.3521831	21	4 28.0	20.3
288834 2004 RX_{190}	15.7	X	47.39310	331.44665	350.46745	8.56040	0.2848527	0.17995177	3.1071721	21	11 29.5	20.2
288835 2004 RX_{192}	16.9	X	286.25006	57.82860	291.35506	3.71021	0.1743838	0.27982783	2.3149527	21	5 24.8	19.9
288836 2004 RV_{193}	17.1	X	329.37938	24.43034	302.07805	3.00732	0.1896454	0.28415535	2.2913890	21	7 3.9	18.9
288837 2004 RC_{195}	17.6	X	270.25024	12.37139	351.60049	5.02368	0.2135463	0.27870066	2.3211901	21	5 19.1	20.9
288838 2004 RL_{197}	16.9	X	205.81200	204.17823	216.94531	6.35948	0.0985370	0.27629378	2.3346511	21	6 7.2	20.2
288839 2004 RR_{197}	15.6	X	56.34695	77.57857	325.27764	10.19898	0.0891129	0.18884765	3.0088116	21	—	—
288840 2004 RO_{198}	15.6	X	344.11738	36.62584	335.95209	11.34643	0.0723570	0.17401368	3.1774626	21	10 1.9	19.9
288841 2004 RY_{201}	15.9	X	257.59667	4.18357	294.46518	11.55107	0.1790724	0.21256828	2.7805908	21	2 19.5	20.5
288842 2004 RO_{202}	15.4	X	86.77049	115.84172	264.88451	8.73078	0.0863566	0.19201610	2.9756211	21	—	—
288843 2004 RX_{202}	17.4	X	104.47814	224.71145	162.14029	6.44519	0.1078202	0.25652823	2.4530850	21	—	—
288844 2004 RX_{203}	15.5	X	323.66648	337.74744	307.93410	24.22273	0.1177636	0.22000552	2.7175674	21	4 22.6	19.6
288845 2004 RH_{204}	16.3	X	36.85629	94.24242	218.84957	9.41039	0.2386783	0.17791583	3.1308312	21	10 30.9	20.3
288846 2004 RQ_{204}	15.6	X	323.43521	273.92916	327.25947	12.62264	0.1705059	0.21347504	2.7727113	21	2 25.4	19.0
288847 2004 RT_{204}	15.5	X	84.09088	298.60972	309.11415	7.55376	0.1382837	0.17504289	3.1649953	21	9 20.9	20.3
288848 2004 RW_{204}	17.3	X	356.08420	311.86404	326.28783	6.01161	0.1863442	0.28368946	2.2938970	21	6 15.0	18.8
288849 2004 RN_{205}	17.3	X	291.97437	284.79448	50.84962	8.22432	0.2768219	0.27971247	2.3155891	21	4 29.3	20.3
288850 2004 RU_{205}	15.4	X	46.93207	5.43996	279.41109	9.41337	0.1958780	0.17612176	3.1520569	21	9 27.6	19.7
288851 2004 RW_{205}	17.3	X	301.09673	69.46392	312.21552	4.23646	0.1497001	0.28696743	2.2763951	21	8 11.8	19.5
288852 2004 RJ_{207}	15.6	X	266.74747	43.32188	248.56138	12.92981	0.0554632	0.21169955	2.7881926	21	3 2.4	19.9
288853 2004 RC_{208}	15.1	X	44.65377	30.25792	259.87588	15.63574	0.1942247	0.17619146	3.1512255	21	9 28.8	19.6
288854 2004 RS_{208}	17.0	X	91.30595	32.70772	261.44600	8.82003	0.2860880	0.24524558	2.5277566	21	12 17.4	21.3
288855 2004 RZ_{212}	16.4	X	64.19415	10.16984	290.67524	11.71157	0.2695841	0.23952101	2.5678736	21	11 29.8	20.5
288856 2004 RT_{213}	15.2	X	67.36202	84.52253	241.08380	17.13887	0.1054485	0.18108303	3.0942178	21	12 4.6	19.6
288857 2004 RG_{214}	15.3	X	333.75381	140.19197	238.68130	13.84012	0.1396918	0.17347134	3.1840818	21	9 20.6	19.4
288858 2004 RO_{217}	14.9	X	45.43755	15.99788	326.33852	15.29640	0.1084346	0.17920075	3.1158473	21	11 25.3	19.5
288859 2004 RY_{219}	15.4	X	29.50133	43.63157	279.57114	13.27494	0.2873319	0.17576497	3.1563210	21	11 5.6	19.4
288860 2004 RQ_{222}	16.4	X	236.89651	255.64521	184.50862	23.75993	0.2735757	0.28354077	2.2946989	21	7 18.4	20.6
288861 2004 RS_{224}	16.3	X	102.13535	325.83895	359.03424	1.16052	0.1729486	0.19092973	2.9868977	21	—	—
288862 2004 RK_{225}	17.0	X	14.03108	275.28299	333.93360	1.58962	0.2142086	0.28163228	2.3050539	21	6 12.1	18.3
288863 2004 RQ_{225}	16.2	X	354.05661	165.06404	146.57858	3.71819	0.1230026	0.22759943	2.6567780	21	8 5.5	18.8
288864 2004 RS_{226}	16.8	X	280.85587	8.76056	10.70499	11.39908	0.1764062	0.28136283	2.3065253	21	7 1.9	19.9
288865 2004 RW_{227}	15.6	X	355.66985	50.05222	5.10292	9.86016	0.0996455	0.18038734	3.1021682	21	12 17.9	19.7
288866 2004 RA_{228}	15.3	X	227.48386	306.48490	211.60923	9.16438	0.0727501	0.17690762	3.1427151	21	11 2.2	19.7
288867 2004 RU_{229}	17.3	X	96.83578	60.54461	358.14463	4.15847	0.1455652	0.25624595	2.4548863	21	2 1.5	20.0
288868 2004 RD_{231}	16.4	X	341.03513	277.12226	14.45728	4.80304	0.1388831	0.22037835	2.7145016	21	6 9.7	19.4
288869 2004 RN_{231}	16.2	X	347.73844	70.28785	16.15615	9.36755	0.1951356	0.18281364	3.0746592	21	—	—
288870 2004 RV_{231}	15.5	X	319.05533	54.63551	16.71600	11.35334	0.0666294	0.17757151	3.1348772	21	11 10.9	19.8
288871 2004 RR_{232}	17.4	X	35.67904	119.17915	168.63926	1.80429	0.1711456	0.28839211	2.2688919	21	10 1.3	19.7
288872 2004 RR_{233}	16.4	X	332.84501	249.12151	147.94865	1.60832	0.1775629	0.17344275	3.1844317	21	10 18.1	19.8
288873 2004 RY_{233}	17.0	X	33.60858	199.68565	79.85413	1.31963	0.1790812	0.28693588	2.2765620	21	9 16.7	19.0
288874 2004 RJ_{235}	15.7	X	158.01479	59.25808	215.34007	11.90263	0.1374879	0.19043552	2.9920631	21	—	—
288875 2004 RH_{236}	15.2	X	327.85458	102.48835	257.12711	7.14213	0.0490799	0.16899225	3.2400984	21	8 24.0	19.6
288876 2004 RS_{238}	16.2	X	120.37320	137.80350	178.27138	12.10238	0.0963805	0.19033462	2.9931204	21	—	—
288877 2004 RM_{239}	17.5	X	278.45898	265.61720	182.73504	5.08855	0.1879512	0.23303268	2.6153200	21	9 29.5	20.6
288878 2004 RE_{241}	17.5	X	51.85230	144.94744	350.31591	2.65074	0.1790536	0.26389733	2.4072030	21	3 4.1	19.4
288879 2004 RN_{241}	16.6	X	57.71925	247.72987	169.63387	2.02240	0.0959181	0.19420389	2.9532311	21	—	—
288880 2004 RH_{242}	16.7	X	327.75684	264.49711	171.04944	1.84581	0.0933608	0.18233577	3.0800290	21	12 2.2	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288881 2004 RM_{243}	17.2	X	10.19853	305.15289	13.37773	3.52442	0.0766857	0.23125364	2.6287160	21	9 12.6	20.3
288882 2004 RL_{245}	16.4	X	287.73724	196.12701	25.30612	3.37740	0.0385694	0.20184128	2.8782558	21	1 10.4	20.4
288883 2004 RR_{245}	16.7	X	302.91993	203.79761	82.74734	1.97199	0.0666703	0.21564702	2.7540622	21	4 15.3	20.4
288884 2004 RU_{246}	15.9	X	320.02557	168.36674	245.93179	9.65849	0.2073817	0.17530724	3.1618127	21	10 10.2	19.5
288885 2004 RW_{247}	15.3	X	337.99376	55.57330	311.85286	26.16745	0.2361554	0.17291714	3.1908815	21	9 1.1	18.9
288886 2004 RV_{250}	17.7	X	230.59437	126.09428	271.16500	1.03271	0.2327039	0.27578963	2.3374954	21	5 23.8	21.6
288887 2004 RZ_{254}	16.2	X	336.10582	268.85971	138.85685	15.08025	0.1082242	0.23747000	2.5826381	21	11 26.3	19.4
288888 2004 RZ_{255}	15.5	X	17.18805	121.76887	156.05976	10.23171	0.1404380	0.17049773	3.2209969	21	7 28.1	19.4
288889 2004 RR_{266}	16.5	X	238.63046	20.29462	322.26342	4.55991	0.0549651	0.21359480	2.7716748	21	4 6.5	20.5
288890 2004 RR_{274}	15.7	X	71.09736	352.17042	293.90341	11.36317	0.1495140	0.17877952	3.1207396	21	10 23.1	20.4
288891 2004 RW_{276}	16.9	X	57.15430	111.12275	356.74316	5.93019	0.0795337	0.26395907	2.4068276	21	1 27.1	19.5
288892 2004 RU_{287}	17.6	X	231.65410	342.05683	40.34633	1.41977	0.2117457	0.27345319	2.3507912	21	5 6.9	21.2
288893 2004 RJ_{290}	16.2	X	262.24025	259.81762	101.26961	5.85788	0.1754140	0.21946727	2.7220089	21	5 17.2	20.2
288894 2004 RM_{291}	16.1	X	178.56439	175.91449	184.71631	15.49334	0.1459306	0.20541989	2.8447300	21	2 26.3	20.7
288895 2004 RJ_{296}	16.3	X	183.18061	202.46279	328.67807	2.38826	0.0243277	0.17522932	3.1627500	21	10 1.5	20.9
288896 2004 RQ_{304}	17.0	X	132.81255	195.17386	303.30369	4.86287	0.0660360	0.27978555	2.3151858	21	6 26.1	19.9
288897 2004 RJ_{306}	16.8	X	232.70284	233.89776	139.49354	6.02358	0.1428479	0.27287329	2.3541206	21	5 2.9	20.4
288898 2004 RL_{306}	16.9	X	264.17733	323.85932	180.44108	22.12226	0.0663768	0.35699358	1.9680182	21	—	—
288899 2004 RR_{308}	17.1	X	233.36173	39.01168	336.61500	9.45915	0.2192760	0.27404623	2.3473986	21	4 25.2	21.2
288900 2004 RW_{309}	16.1	X	16.05838	227.36472	101.30385	6.70781	0.1924221	0.17591963	3.1544708	21	10 13.7	19.8
288901 2004 RC_{311}	17.4	X	43.93265	171.25209	134.94537	2.15074	0.2250624	0.29319035	2.2440693	21	11 18.7	20.1
288902 2004 RR_{320}	16.6	X	224.42769	91.83479	327.27788	7.22853	0.0768524	0.27946816	2.3169384	21	6 28.4	19.7
288903 2004 RW_{320}	15.8	X	136.66644	10.08093	281.94674	6.29574	0.0378569	0.18775008	3.0205263	21	—	—
288904 2004 RP_{321}	17.1	X	162.69579	181.33338	210.94795	3.26014	0.1836758	0.26462238	2.4028039	21	3 19.4	20.7
288905 2004 RS_{323}	16.8	X	187.19415	195.67882	209.60818	5.97239	0.1155216	0.27078424	2.3662127	21	4 26.5	20.1
288906 2004 RJ_{327}	16.8	X	224.58862	64.43660	228.98181	5.79327	0.1237471	0.26208016	2.4183173	21	1 11.9	20.6
288907 2004 RX_{329}	16.9	X	223.01621	231.04183	99.44696	12.75243	0.2172554	0.26761599	2.3848515	21	3 1.1	21.1
288908 2004 RC_{331}	17.4	X	311.99884	266.64634	13.18188	4.69961	0.1325324	0.27514313	2.3411555	21	3 31.3	20.0
288909 2004 RK_{345}	16.5	X	258.07474	13.86576	296.23302	4.00247	0.1478722	0.21240343	2.7820293	21	3 10.5	20.8
288910 2004 RB_{346}	17.4	X	197.78623	9.97009	74.29966	6.96105	0.2483738	0.27598973	2.3363654	21	6 25.2	21.3
288911 2004 RK_{346}	15.7	X	181.00920	261.80691	62.50467	9.28984	0.1318238	0.20046089	2.8914540	21	1 20.7	20.3
288912 2004 RB_{356}	16.3	X	114.68658	342.20223	21.66353	10.13930	0.0660646	0.19260111	2.9695925	21	—	—
288913 2004 ST	16.2	X	47.44284	254.54101	35.65560	13.16590	0.2707470	0.23403774	2.6078271	21	10 29.6	19.6
288914 2004 SX	19.0	X	14.65121	258.63882	178.54964	15.28406	0.3271452	0.42042757	1.7647178	21	—	—
288915 2004 SL_{3}	17.1	X	151.89968	158.73219	194.41435	7.57734	0.0847664	0.25876576	2.4389235	21	1 7.3	20.5
288916 2004 SK_{6}	17.3	X	327.12862	37.49419	201.05558	0.96805	0.1867081	0.27155084	2.3617574	21	2 14.7	20.2
288917 2004 SY_{8}	15.8	X	335.58363	185.79392	205.97469	5.46593	0.1592225	0.17528263	3.1621087	21	10 16.3	19.2
288918 2004 SV_{9}	16.4	X	326.05945	312.60705	3.75314	12.53340	0.1204534	0.22471256	2.6794839	21	6 21.3	19.8
288919 2004 SS_{10}	15.8	X	142.54925	334.75199	55.18234	10.20324	0.1375400	0.20460851	2.8522456	21	3 5.5	20.3
288920 2004 SG_{14}	16.8	X	353.48826	305.15270	59.47961	8.35782	0.1539347	0.29271155	2.2465158	21	11 9.3	18.6
288921 2004 SQ_{14}	15.6	X	30.44176	247.23921	137.78302	12.51654	0.0976071	0.18346116	3.0674204	21	12 30.7	19.9
288922 2004 SE_{16}	17.4	X	203.81534	271.84028	77.35051	5.65956	0.2492172	0.26702249	2.3883840	21	3 7.1	21.6
288923 2004 SK_{17}	17.0	X	258.25241	297.09301	66.40212	8.11684	0.1478184	0.27732461	2.3288621	21	5 15.2	20.3
288924 2004 SR_{18}	15.6	X	128.80987	101.64515	225.94058	8.15703	0.0265468	0.19222324	2.9734830	21	—	—
288925 2004 SS_{23}	17.1	X	313.41512	128.03061	190.31570	6.27564	0.1575472	0.27899285	2.3195692	21	5 25.8	19.7
288926 2004 SK_{25}	15.9	X	323.66508	232.08625	196.80399	9.83159	0.0351210	0.17790286	3.1309834	21	11 19.7	20.2
288927 2004 SC_{29}	16.5	X	132.31545	171.33022	189.17254	6.05040	0.2380207	0.19713520	2.9238826	21	1 24.5	21.1
288928 2004 SN_{29}	15.4	X	312.09086	91.62938	352.98859	8.90144	0.0627813	0.18016202	3.1047542	21	11 18.4	19.6
288929 2004 SG_{31}	16.6	X	261.61457	357.31269	22.06587	3.18549	0.2167032	0.22019789	2.7159844	21	6 2.3	20.8
288930 2004 SR_{31}	16.7	X	195.09779	73.13277	353.89956	7.01104	0.0810148	0.27574346	2.3377563	21	6 1.6	20.1
288931 2004 SH_{32}	17.6	X	307.75869	200.06475	149.16914	3.93630	0.2089170	0.28293739	2.2979601	21	6 22.4	19.9
288932 2004 SJ_{33}	15.3	X	9.41892	343.04474	39.96728	12.94349	0.2567209	0.17744391	3.1363798	21	12 16.1	18.9
288933 2004 SR_{35}	15.7	X	145.24747	223.90150	182.74688	16.61442	0.0761003	0.20379376	2.8598426	21	3 16.5	20.0
288934 2004 SW_{35}	16.6	X	47.19658	291.56829	288.09602	5.86059	0.1362887	0.28199330	2.3030862	21	6 30.0	18.7
288935 2004 SZ_{36}	16.3	X	155.87480	160.11274	240.01896	4.60007	0.0221934	0.20958187	2.8069429	21	3 12.9	20.3
288936 2004 SF_{39}	17.5	X	290.70018	125.68574	227.61753	1.74588	0.2348202	0.28057183	2.3108585	21	5 27.9	20.1
288937 2004 SL_{42}	17.4	X	272.92638	117.09145	294.09535	4.05736	0.1452189	0.28588320	2.2821470	21	8 9.8	20.0
288938 2004 SQ_{42}	17.3	X	233.37624	40.93304	328.23321	5.45722	0.1236344	0.27412391	2.3469550	21	4 24.3	20.9
288939 2004 SW_{42}	17.9	X	299.71838	102.17217	218.23137	4.23700	0.2560635	0.27995227	2.3142666	21	4 19.5	20.7
288940 2004 SH_{43}	16.4	X	15.24152	304.28345	339.40579	13.06362	0.0895304	0.22677957	2.6631774	21	8 5.4	19.5
288941 2004 SP_{43}	15.5	X	309.62972	125.65207	330.78906	10.14009	0.1305840	0.18162175	3.0880962	21	11 25.3	19.4
288942 2004 SK_{46}	15.6	X	94.13151	37.02579	268.22039	8.04706	0.1259301	0.18371654	3.0645770	21	12 11.9	20.4
288943 2004 SZ_{49}	17.3	X	4.28735	278.67484	129.11714	4.50165	0.2505964	0.24049508	2.5609352	21	—	—
288944 2004 SL_{51}	16.7	X	78.30865	204.03406	99.57202	3.95254	0.1522358	0.24109055	2.5567166	21	12 5.9	20.4
288945 2004 SS_{51}	17.5	X	207.25203	166.06428	242.83341	1.50094	0.1946648	0.27373700	2.3491661	21	5 20.1	21.2
288946 2004 SB_{52}	16.4	X	286.59959	166.30572	189.24175	9.80260	0.2784430	0.21984452	2.7188941	21	5 23.8	20.4
288947 2004 SK_{52}	17.2	X	186.69701	103.15797	309.80724	5.04830	0.1011054	0.27295388	2.3536572	21	5 3.3	20.7
288948 2004 SF_{53}	15.6	X	16.85182	116.61797	263.19044	9.50340	0.2006810	0.18052092	3.1006377	21	12 18.5	19.3
288949 2004 SN_{53}	17.5	X	271.41293	175.64007	171.84491	2.85413	0.2420219	0.27751025	2.3278234	21	4 27.3	20.8
288950 2004 SA_{56}	17.4	X	230.66346	259.86376	126.89611	2.97624	0.2313665	0.27458446	2.3443300	21	5 11.7	21.2
288951 2004 SV_{60}	15.3	X	49.56531	334.37557	69.62794	11.22283	0.0776749	0.19021669	2.9943574	21	—	—
288952 2004 SL_{61}	16.5	X	268.49703	233.81779	78.32780	7.26730	0.1452970	0.27111991	2.3642593	21	3 23.3	20.0
288953 2004 TR_{2}	17.6	X	267.37451	324.78468	348.17822	2.14775	0.2136309	0.27176958	2.3604899	21	3 12.3	21.2
288954 2004 TT_{3}	15.9	X	170.51164	240.92973	21.98403	9.83056	0.1081396	0.18734979	3.0248272	21	—	—
288955 2004 TO_{6}	15.9	X	28.52241	242.73860	113.24536	15.93063	0.1657339	0.23777952	2.5803963	21	12 15.6	19.2
288956 2004 TV_{6}	16.5	X	182.19651	295.51944	61.99002	9.07791	0.1475448	0.26364056	2.4087658	21	2 25.7	20.3
288957 2004 TJ_{9}	17.3	X	287.81868	153.34908	203.30972	2.53786	0.2274365	0.27882281	2.3205122	21	5 30.3	20.1
288958 2004 TE_{12}	16.4	X	69.65125	212.97405	115.20845	0.60661	0.3305843	0.18423891	3.0587817	21	—	—
288959 2004 TJ_{16}	16.9	X	227.55812	40.62557	354.30650	6.91749	0.1320468	0.27392699	2.3480797	21	5 22.5	20.5
288960 Steponasdarius	15.5	X	42.18419	53.74372	351.83922	9.03431	0.0869223	0.18584711	3.0411103	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
288961 Stasysgirėnas	15.8	X	261.53153	284.97171	23.55310	11.55193	0.1808525	0.20968656	2.8060085	21	3 14.9	20.3
288962 2004 TM_{23}	17.3	X	97.22478	309.08321	214.04024	6.46200	0.0566326	0.27533993	2.3400398	21	6 11.5	20.2
288963 2004 TL_{26}	16.3	X	330.49771	139.75941	328.73721	2.10038	0.2169750	0.18429695	3.0581394	21	—	—
288964 2004 TT_{27}	16.4	X	67.61600	4.46636	19.20484	3.13996	0.0852007	0.18919435	3.0051347	21	—	—
288965 2004 TX_{27}	15.2	X	261.78501	124.24849	16.94687	12.47813	0.0864426	0.18086144	3.0967446	21	11 17.5	19.6
288966 2004 TD_{28}	17.7	X	285.44779	248.73806	46.69889	1.90858	0.1821703	0.27280872	2.3544920	21	3 12.4	21.0
288967 2004 TX_{28}	15.8	X	50.55001	194.82071	169.58329	3.22040	0.0202720	0.18362841	3.0655575	21	12 20.2	20.2
288968 2004 TV_{29}	17.1	X	30.36773	115.09705	172.24901	5.11353	0.0981311	0.28718703	2.2752345	21	9 8.1	19.3
288969 2004 TP_{34}	15.8	X	140.51128	40.48839	209.75995	8.16828	0.0730668	0.17922363	3.1155821	21	11 20.6	20.6
288970 2004 TC_{38}	17.6	X	138.94812	175.13445	54.55736	1.37019	0.1033723	0.29358248	2.2420707	21	11 9.2	20.8
288971 2004 TC_{40}	17.4	X	65.96688	202.35318	210.94966	1.37557	0.1020347	0.19242835	2.9713696	21	—	—
288972 2004 TE_{41}	16.7	X	177.91764	4.70876	16.98972	9.15248	0.1962126	0.26404010	2.4063352	21	3 23.3	20.6
288973 2004 TQ_{41}	16.7	X	5.04640	0.62686	297.62167	2.91291	0.1971026	0.28410226	2.2916744	21	8 16.4	18.0
288974 2004 TR_{41}	16.5	X	336.49632	132.28897	339.26789	3.43267	0.2021807	0.24180954	2.5516460	21	—	—
288975 2004 TK_{42}	17.5	X	247.07787	92.57979	312.66961	1.70140	0.2109426	0.27798572	2.3251683	21	6 20.9	20.9
288976 2004 TO_{42}	17.2	X	19.79654	249.66160	357.00432	3.87101	0.0953499	0.27521798	2.3407311	21	6 14.9	19.6
288977 2004 TM_{45}	17.2	X	348.56849	163.91759	270.47116	0.73371	0.1901058	0.23924616	2.5698399	21	—	—
288978 2004 TW_{47}	16.2	X	95.36548	303.81755	39.58822	4.26189	0.0189926	0.18498096	3.0505960	21	—	—
288979 2004 TY_{48}	16.3	X	330.80282	275.25118	146.50746	1.50273	0.1255255	0.17625857	3.1504255	21	11 17.7	20.0
288980 2004 TG_{49}	17.5	X	273.14849	15.83379	55.49107	2.86365	0.1494263	0.28550189	2.2841786	21	9 11.1	20.0
288981 2004 TH_{50}	15.6	X	319.27438	68.88171	354.54123	4.81801	0.1618930	0.17300897	3.1897524	21	10 26.4	19.3
288982 2004 TN_{50}	16.9	X	201.87754	149.29945	246.28557	4.12874	0.1955872	0.26904102	2.3764228	21	4 27.7	20.7
288983 2004 TN_{51}	17.8	X	282.72576	72.35574	285.56588	1.32714	0.2283909	0.27835280	2.3231236	21	5 24.8	21.0
288984 2004 TZ_{52}	17.1	X	214.51869	26.60108	15.25393	2.66436	0.2197396	0.27180663	2.3602754	21	5 16.2	20.9
288985 2004 TE_{54}	16.9	X	19.29449	287.86892	52.33193	1.68292	0.1901374	0.23240676	2.6200136	21	11 11.2	19.8
288986 2004 TJ_{54}	15.6	X	139.98525	93.30219	214.96521	7.45507	0.0718654	0.18591675	3.0403508	21	—	—
288987 2004 TQ_{55}	17.5	X	6.55173	11.89572	41.60875	5.44344	0.1033221	0.29822481	2.2187423	21	—	—
288988 2004 TO_{58}	15.9	X	241.65937	138.46340	10.45477	4.11283	0.0105896	0.17962943	3.1108881	21	11 14.9	20.2
288989 2004 TC_{60}	15.4	X	263.64063	245.04826	200.66984	15.69928	0.0475007	0.17163712	3.2067264	21	9 17.8	20.0
288990 2004 TV_{60}	17.6	X	317.38384	189.82256	123.44487	2.90528	0.2248375	0.28112375	2.3078329	21	5 12.4	19.9
288991 2004 TW_{60}	15.2	X	352.82846	18.95183	23.62208	13.80555	0.0314229	0.18020602	3.1042488	21	11 21.4	19.6
288992 2004 TK_{61}	17.1	X	298.46529	247.52760	51.08718	3.12872	0.2122849	0.27620607	2.3351453	21	3 27.6	20.0
288993 2004 TW_{61}	15.9	X	331.80245	269.46288	22.99548	12.64710	0.1380033	0.22100134	2.7093978	21	5 22.1	19.2
288994 2004 TP_{63}	15.9	X	139.64019	272.38007	16.05187	5.23847	0.1410295	0.18633277	3.0358237	21	—	—
288995 2004 TY_{64}	16.2	X	235.38101	37.72709	73.64728	2.20454	0.0956968	0.16852860	3.2460383	21	9 12.7	21.1
288996 2004 TN_{66}	16.9	X	288.15895	318.40917	61.34595	7.54990	0.2322545	0.28231907	2.3013141	21	7 2.5	19.7
288997 2004 TL_{67}	17.1	X	227.92779	268.73533	105.26073	7.88681	0.2391626	0.27183222	2.3601273	21	4 25.5	21.2
288998 2004 TS_{67}	16.5	X	237.91601	257.87100	103.34307	7.68775	0.1498525	0.27158128	2.3615809	21	4 23.2	20.2
288999 2004 TU_{67}	17.1	X	11.48019	225.52952	108.44938	6.64031	0.2225109	0.29096884	2.2554769	21	11 9.8	19.1
289000 2004 TB_{71}	15.7	X	12.82015	30.41150	359.31346	10.30157	0.0830299	0.18002701	3.1063063	21	12 8.4	20.0
289001 2004 TV_{74}	15.9	X	311.95759	54.52380	35.42731	5.14409	0.1655668	0.17638812	3.1488828	21	11 18.4	19.5
289002 2004 TF_{75}	15.7	X	271.92883	269.95558	213.79640	8.76107	0.0024159	0.17673355	3.1447784	21	11 23.4	20.1
289003 2004 TS_{75}	16.8	X	274.15570	108.93033	219.61157	5.35599	0.1444469	0.27281704	2.3544441	21	4 15.6	20.1
289004 2004 TJ_{77}	16.8	X	313.52578	164.86535	217.65432	3.85881	0.1470880	0.28542937	2.2845655	21	9 5.9	18.7
289005 2004 TM_{79}	15.6	X	353.93814	76.01849	335.42153	8.09867	0.1462738	0.17968864	3.1102046	21	12 14.2	19.4
289006 2004 TD_{84}	18.5	X	215.27959	74.63734	2.99900	2.03178	0.1863282	0.27817320	2.3241234	21	7 4.9	22.2
289007 2004 TW_{86}	17.5	X	131.25881	161.12718	19.77648	2.32575	0.0754773	0.28357926	2.2944913	21	8 25.1	20.4
289008 2004 TG_{88}	15.9	X	253.53953	126.63473	21.22387	12.56517	0.0776003	0.18044044	3.1015595	21	11 16.8	20.4
289009 2004 TM_{91}	16.6	X	146.67152	151.18890	359.51389	4.76346	0.1519722	0.21796019	2.7345420	21	8 4.2	20.9
289010 2004 TD_{95}	17.6	X	317.39500	253.32774	213.63874	0.93468	0.0735312	0.24085880	2.5583564	21	—	—
289011 2004 TL_{102}	17.6	X	202.97398	237.50067	152.50337	1.27880	0.1841267	0.26900241	2.3766502	21	4 22.9	21.4
289012 2004 TM_{103}	15.2	X	288.38015	260.07099	208.35523	15.60935	0.1483722	0.17623200	3.1507422	21	11 7.7	19.2
289013 2004 TN_{103}	17.7	X	288.26367	173.45015	211.42256	2.17133	0.2459007	0.28304362	2.2973851	21	7 7.4	20.2
289014 2004 TW_{103}	16.6	X	42.59736	188.16704	211.27003	2.84716	0.1525347	0.18895589	3.0076625	21	—	—
289015 2004 TA_{106}	17.0	X	183.35593	4.29352	21.59194	7.54133	0.0768081	0.26787705	2.3833018	21	3 27.6	20.2
289016 2004 TQ_{107}	16.2	X	319.23457	278.05710	168.00958	2.41427	0.0123942	0.18151231	3.0893373	21	12 5.3	20.4
289017 2004 TW_{110}	17.1	X	212.65747	145.08183	252.48084	2.26900	0.1739714	0.27186074	2.3599622	21	5 10.7	20.8
289018 2004 TS_{113}	17.1	X	273.56517	298.02915	36.78946	6.79628	0.2182205	0.27388085	2.3483434	21	4 15.7	20.6
289019 2004 TR_{114}	15.3	X	166.21722	225.39881	17.09788	9.65577	0.0240508	0.18119697	3.0929206	21	12 7.1	19.9
289020 Ukmerge	17.2	X	183.59103	34.22100	3.07914	3.34929	0.1287789	0.26618065	2.3934171	21	4 12.2	20.8
289021 Juzeliunas	15.5	X	23.95616	124.32042	238.66186	9.48417	0.0972968	0.17584100	3.1554111	21	11 23.3	19.5
289022 2004 TN_{115}	15.7	X	244.07917	263.17398	60.54858	21.21757	0.3396845	0.26705340	2.3881997	21	3 12.4	20.5
289023 2004 TG_{116}	17.0	X	201.18804	172.56991	229.70244	6.35538	0.1131466	0.27170122	2.3608858	21	5 6.9	20.3
289024 2004 TS_{116}	16.7	X	181.31567	326.65724	46.25546	5.51835	0.2063765	0.26405757	2.4062290	21	3 16.7	20.7
289025 2004 TX_{119}	16.4	X	345.15079	210.15803	243.75360	10.91885	0.1490652	0.24358868	2.5392063	21	—	—
289026 2004 TU_{120}	17.1	X	322.99330	305.56374	32.00516	8.51803	0.1675655	0.28199830	2.3030589	21	7 13.6	19.3
289027 2004 TW_{120}	15.2	X	137.71612	314.35406	21.93879	10.36844	0.1898944	0.19203326	2.9754438	21	—	—
289028 2004 TP_{121}	17.1	X	156.85178	205.00827	224.41501	5.30253	0.1632781	0.26757673	2.3850848	21	4 29.2	20.6
289029 2004 TZ_{123}	16.9	X	271.91015	27.10186	22.82696	2.33819	0.2509448	0.22510178	2.6763943	21	7 20.2	20.6
289030 2004 TF_{127}	15.0	X	26.67690	305.09331	32.53164	12.14764	0.0775768	0.17579517	3.1559595	21	10 24.4	19.0
289031 2004 TJ_{127}	17.5	X	265.58266	239.46664	114.83084	4.74278	0.2179105	0.27690833	2.3311955	21	5 4.1	21.0
289032 2004 TL_{129}	15.2	X	131.28172	171.75219	151.82214	12.74923	0.0974595	0.19022696	2.9942497	21	—	—
289033 2004 TD_{131}	15.5	X	41.50244	316.28839	31.32775	10.73751	0.2255570	0.17826634	3.1267259	21	12 15.3	19.9
289034 2004 TJ_{133}	16.6	X	28.69198	144.77529	194.96431	6.28059	0.2739593	0.29393395	2.2402830	21	12 21.5	19.4
289035 2004 TR_{134}	15.7	X	268.31385	26.99508	5.32768	15.09090	0.1322356	0.16396736	3.3059614	21	7 11.8	20.7
289036 2004 TJ_{136}	16.5	X	348.91805	41.00564	334.37992	8.74851	0.1521176	0.23328196	2.6134565	21	10 27.0	19.3
289037 2004 TZ_{136}	16.6	X	254.62534	65.68576	272.41116	5.84155	0.1378762	0.27058957	2.3673475	21	4 4.8	20.3
289038 2004 TO_{138}	15.5	X	50.19494	56.46336	283.34313	9.32306	0.0986465	0.18032582	3.1028738	21	11 29.7	19.9
289039 2004 TC_{141}	17.0	X	348.01004	88.67120	194.99052	2.31155	0.1641333	0.22220032	2.6996425	21	6 10.3	19.6
289040 2004 TH_{145}	15.7	X	22.65740	102.56543	359.89615	11.89825	0.1096355	0.19281299	2.9674166	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289041 2004 TF_{146}	16.0	X	67.40905	198.17703	191.24915	5.70016	0.1783589	0.18831539	3.0144784	21	—	—
289042 2004 TW_{153}	16.5	X	116.37556	252.82435	35.64331	1.43660	0.1333039	0.18324699	3.0698099	21	12 14.0	21.2
289043 2004 TQ_{159}	17.8	X	64.98672	43.97925	280.60931	1.31775	0.1869182	0.29714350	2.2241217	21	12 31.4	21.0
289044 2004 TA_{160}	15.9	X	14.59458	218.34194	223.20342	6.81869	0.1296012	0.18530898	3.0469949	21	—	—
289045 2004 TZ_{160}	17.2	X	191.75048	11.10269	28.12726	5.70258	0.2305587	0.26811465	2.3818936	21	4 24.5	21.3
289046 2004 TM_{162}	17.3	X	277.70416	242.72578	40.92087	6.27611	0.1043321	0.26479266	2.4017737	21	2 28.9	20.6
289047 2004 TY_{163}	16.7	X	52.67868	10.13822	66.98074	2.89933	0.2164142	0.19048984	2.9914942	21	1 6.7	19.5
289048 2004 TP_{168}	16.5	X	149.94549	89.43763	44.25896	7.59531	0.0473372	0.27763560	2.3271227	21	7 10.8	19.6
289049 2004 TH_{170}	17.3	X	328.90472	302.67580	67.88266	8.03289	0.1550360	0.28762796	2.2729087	21	9 27.9	19.2
289050 2004 TN_{172}	15.2	X	90.74961	24.19144	342.11139	10.08799	0.0493835	0.18725773	3.0258186	21	—	—
289051 2004 TB_{176}	17.1	X	270.68065	132.21654	217.28917	4.10140	0.2114258	0.27535761	2.3399397	21	5 2.1	20.4
289052 2004 TW_{176}	16.2	X	3.02090	328.00005	8.50813	2.62970	0.0845192	0.17093620	3.2154864	21	9 18.7	20.3
289053 2004 TQ_{177}	15.9	X	113.09767	107.50517	196.01290	8.59776	0.0528168	0.18537809	3.0462376	21	12 23.4	20.5
289054 2004 TO_{180}	16.2	X	1.31103	205.71721	155.83198	1.66192	0.1434079	0.17567466	3.1574027	21	10 23.1	19.7
289055 2004 TA_{182}	16.4	X	305.49737	71.43314	17.86465	13.96598	0.2046175	0.23639812	2.5904390	21	11 13.1	18.9
289056 2004 TG_{185}	17.1	X	268.86570	90.97858	209.99468	6.52519	0.1252136	0.26919310	2.3755277	21	3 5.1	20.6
289057 2004 TY_{185}	16.6	X	349.76533	143.95644	331.90873	2.53520	0.0707352	0.18970799	2.9997079	21	—	—
289058 2004 TU_{190}	17.8	X	203.04728	243.67538	158.24508	1.19544	0.1827752	0.27190901	2.3596829	21	5 8.0	21.4
289059 2004 TE_{196}	15.3	X	274.18125	98.64880	22.52993	9.98252	0.1901430	0.17537494	3.1609990	21	10 26.4	19.5
289060 2004 TO_{199}	15.6	X	320.58949	264.80444	31.42574	13.08837	0.1616705	0.21744525	2.7388575	21	5 6.5	18.8
289061 2004 TA_{200}	15.9	X	209.79161	330.88012	196.70723	8.73578	0.0122583	0.17508657	3.1644688	21	10 31.4	20.4
289062 2004 TC_{200}	16.9	X	269.65245	287.99743	175.12598	3.22950	0.0697541	0.29111035	2.2547460	21	11 4.9	19.2
289063 2004 TR_{200}	15.9	X	222.34976	332.63185	155.07164	2.65521	0.0678253	0.16924108	3.2369216	21	9 20.5	20.7
289064 2004 TL_{204}	16.2	X	349.78147	127.61439	263.70142	1.15558	0.0901001	0.17309846	3.1886530	21	11 7.4	20.2
289065 2004 TM_{204}	16.9	X	2.43304	265.65693	35.73533	5.66341	0.1417726	0.28086063	2.3092740	21	8 14.8	18.8
289066 2004 TK_{207}	17.3	X	279.78242	294.65168	58.09806	2.91697	0.2177807	0.27647217	2.3336467	21	5 15.9	20.6
289067 2004 TV_{208}	17.4	X	134.04895	78.68064	355.42482	2.85171	0.1610569	0.26508632	2.3999996	21	4 10.8	20.8
289068 2004 TG_{209}	15.5	X	212.01343	6.25866	191.79309	9.64816	0.0641696	0.18333267	3.0688534	21	12 4.9	20.1
289069 2004 TU_{210}	17.3	X	286.34885	256.95843	335.23488	0.80156	0.1406416	0.25922851	2.4360201	21	—	—
289070 2004 TZ_{210}	16.7	X	57.44746	269.03446	21.95969	4.09890	0.3353780	0.23614527	2.5922878	21	11 18.5	20.6
289071 2004 TC_{211}	16.7	X	4.41037	200.43905	33.52867	3.16480	0.0199552	0.21254570	2.7807877	21	5 5.6	20.5
289072 2004 TN_{211}	16.9	X	277.44530	352.83316	355.60484	3.20269	0.1087430	0.21682973	2.7440383	21	5 25.5	20.8
289073 2004 TX_{212}	16.8	X	252.41500	292.90468	34.65197	5.85070	0.2431415	0.26976693	2.3721578	21	3 17.6	20.7
289074 2004 TE_{213}	16.2	X	345.75722	1.89921	65.80661	1.97791	0.1683855	0.17862560	3.1225322	21	12 22.6	19.5
289075 2004 TK_{213}	16.4	X	347.21034	191.14862	163.11713	1.48906	0.2211971	0.16952724	3.2332781	21	9 16.9	19.5
289076 2004 TF_{214}	16.3	X	75.38811	331.82405	34.39933	1.87284	0.1269370	0.18653541	3.0336247	21	—	—
289077 2004 TW_{217}	16.1	X	325.04003	247.98947	194.30140	5.20575	0.1430697	0.18030520	3.1031104	21	12 5.1	19.7
289078 2004 TT_{222}	16.2	X	72.61729	180.13258	180.49786	1.42355	0.0908320	0.18496041	3.0508219	21	—	—
289079 2004 TS_{237}	17.0	X	306.64992	296.42011	41.56121	5.79250	0.2053982	0.28032358	2.3122225	21	6 2.6	19.5
289080 2004 TA_{238}	16.0	X	326.91949	262.53793	30.44822	10.23777	0.1840417	0.21851730	2.7298922	21	5 9.4	19.0
289081 2004 TE_{241}	16.9	X	216.55136	42.87855	335.12137	5.95131	0.1522037	0.27036618	2.3686514	21	4 17.5	20.6
289082 2004 TZ_{241}	17.2	X	340.86794	69.34584	308.93498	6.63095	0.1197100	0.28895010	2.2659700	21	10 26.9	19.3
289083 2004 TP_{242}	15.4	X	41.28167	308.52966	35.82235	23.07362	0.2366243	0.18145475	3.0899906	21	12 9.7	19.9
289084 2004 TB_{243}	16.3	X	355.11461	322.00847	118.22186	13.91271	0.2137059	0.24202382	2.5501397	21	—	—
289085 Andreweil	17.5	X	201.09485	99.61816	12.11507	6.03117	0.1253333	0.28153605	2.3055791	21	8 11.2	20.9
289086 2004 TT_{252}	16.2	X	138.06747	112.24430	229.74495	0.87697	0.0519942	0.19427875	2.9524724	21	—	—
289087 2004 TB_{256}	16.6	X	145.33124	287.04811	81.75447	9.38435	0.1117022	0.25990631	2.4317831	21	1 25.7	20.0
289088 2004 TY_{258}	17.3	X	272.66555	81.42909	14.42449	3.69463	0.1160822	0.28988525	2.2610941	21	10 21.1	19.7
289089 2004 TH_{263}	16.6	X	180.00243	163.18545	25.49664	12.04759	0.1147930	0.23049332	2.6344937	21	10 22.0	20.7
289090 2004 TA_{269}	16.1	X	347.11966	298.11270	68.85267	2.25448	0.0825252	0.17055014	3.2203371	21	10 4.3	20.1
289091 2004 TQ_{272}	15.7	X	22.32928	169.92655	235.13001	10.14874	0.0975249	0.18097973	3.0953951	21	—	—
289092 2004 TP_{274}	17.9	X	233.76438	14.68631	13.25874	1.55947	0.1939439	0.27316475	2.3524457	21	5 16.9	21.4
289093 2004 TQ_{275}	17.8	X	296.98119	214.88355	221.51646	1.89468	0.1294719	0.28923029	2.2645063	21	11 2.7	19.5
289094 2004 TC_{277}	17.6	X	68.26348	218.73940	152.98101	1.25429	0.1903647	0.24394035	2.5367653	21	—	—
289095 2004 TF_{279}	15.8	X	289.44700	16.80389	65.59829	6.03937	0.1171137	0.17077886	3.2174611	21	10 12.5	20.1
289096 2004 TW_{294}	17.1	X	95.95433	140.42548	323.60484	1.69367	0.1542785	0.25939649	2.4349683	21	4 2.6	20.0
289097 2004 TG_{296}	16.6	X	233.57418	74.37357	227.25895	5.67220	0.1161125	0.25925528	2.4358524	21	1 30.6	20.4
289098 2004 TJ_{298}	17.7	X	225.04557	211.33995	171.38539	1.84258	0.2384089	0.27225246	2.3576980	21	5 1.1	21.6
289099 2004 TS_{301}	17.3	X	216.54342	83.41884	329.48762	6.98622	0.2834715	0.27202357	2.3590203	21	5 28.8	21.5
289100 2004 TR_{302}	17.2	X	231.91544	243.44005	117.05984	2.30447	0.2009909	0.27078289	2.3662206	21	4 11.3	21.0
289101 2004 TK_{305}	17.1	X	175.48641	24.94643	18.16097	7.37113	0.1135246	0.26859877	2.3790306	21	4 10.8	20.5
289102 2004 TK_{306}	16.4	X	98.25731	53.63258	313.80062	9.59662	0.1251850	0.19134911	2.9825318	21	—	—
289103 2004 TG_{308}	16.8	X	239.05597	219.68028	222.53845	5.26591	0.0568243	0.28373192	2.2936682	21	8 19.4	19.7
289104 2004 TB_{309}	17.7	X	311.03562	40.78966	231.20330	1.91578	0.1898288	0.27239054	2.3569011	21	3 9.1	20.5
289105 2004 TT_{309}	15.3	X	47.55145	130.83389	241.04884	8.64141	0.1176348	0.18161388	3.0881854	21	—	—
289106 2004 TK_{322}	16.8	X	272.02665	141.11873	239.95140	4.18281	0.1303887	0.27747787	2.3280045	21	6 27.9	19.6
289107 2004 TR_{322}	17.0	X	270.98391	63.29947	42.95791	6.43338	0.0497903	0.28956535	2.2627591	21	11 12.6	19.3
289108 2004 TX_{326}	15.6	X	31.25254	214.77148	247.37597	13.10801	0.0707908	0.19236700	2.9720014	21	—	—
289109 2004 TU_{327}	15.2	X	5.80647	326.97294	50.92131	10.57600	0.0447029	0.17942176	3.1132881	21	11 12.3	19.1
289110 2004 TL_{334}	16.4	X	240.41135	21.74564	353.91117	5.88900	0.0352957	0.21917394	2.7244370	21	5 23.8	20.3
289111 2004 TC_{337}	15.4	X	58.16134	232.36356	124.98623	12.82697	0.1376439	0.18183318	3.0857019	21	—	—
289112 2004 TR_{344}	16.8	X	187.89088	299.25726	55.70155	4.76212	0.1593369	0.26260371	2.4151020	21	2 26.4	20.6
289113 2004 TS_{344}	14.4	X	52.62218	7.76307	35.33684	3.32202	0.2605445	0.12596198	3.9413323	21	—	—
289114 2004 TK_{346}	17.3	X	322.08222	106.19214	298.31460	1.61723	0.1827810	0.23105518	2.6302210	21	10 17.0	19.7
289115 2004 TV_{347}	16.5	X	45.99086	22.53276	330.40185	0.35952	0.1980834	0.18434770	3.0575782	21	12 25.6	20.7
289116 2004 TQ_{354}	17.0	X	254.60291	311.11633	52.03742	6.19272	0.2526956	0.27365135	2.3496562	21	4 30.6	20.7
289117 2004 TV_{355}	15.8	X	304.75404	228.50478	91.45370	10.74858	0.1824918	0.21911619	2.7249157	21	5 16.3	19.3
289118 2004 TK_{357}	15.7	X	75.71438	245.93556	67.38016	11.29594	0.2279216	0.18256444	3.0774565	21	12 12.9	20.4
289119 2004 TF_{359}	15.2	X	38.79408	14.40469	28.32230	1.49451	0.1608790	0.12604721	3.9395556	21	—	—
289120 2004 TT_{360}	17.9	X	96.76488	94.25664	209.71306	3.68380	0.1530514	0.30204477	2.1999957	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289121 2004 TM_{367}	17.1	X	185.88121	168.55926	245.18625	6.79095	0.1011163	0.26868174	2.3785409	21	5 5.1	20.7
289122 2004 TY_{367}	18.0	X	160.28094	113.44102	166.04030	1.91003	0.2179511	0.30630252	2.1795609	21	—	—
289123 2004 UV	17.3	X	232.75561	329.08294	258.22404	18.07447	0.0675289	0.36623912	1.9347561	21	—	—
289124 2004 UE_{1}	15.8	X	32.76540	93.81921	232.69717	12.06243	0.3087867	0.17494959	3.1661205	21	11 21.3	19.8
289125 2004 UV_{2}	16.5	X	344.50697	202.89163	121.29646	7.81078	0.1469918	0.28492213	2.2872761	21	8 10.6	18.2
289126 2004 UW_{2}	16.3	X	232.69787	242.55787	119.00304	8.65719	0.2339327	0.21315963	2.7754457	21	4 18.4	21.1
289127 2004 UV_{3}	15.8	X	50.34170	98.22884	273.71430	14.71419	0.1210626	0.18491255	3.0513483	21	—	—
289128 2004 UZ_{5}	17.7	X	238.44810	162.55640	224.40875	1.28098	0.2232859	0.27418655	2.3465976	21	5 18.4	21.3
289129 2004 UL_{6}	17.1	X	207.45760	163.52244	236.61380	3.87914	0.1624164	0.26970875	2.3724989	21	5 9.7	20.7
289130 2004 UQ_{7}	15.5	X	33.52877	102.83422	254.45842	8.45824	0.1726509	0.17698908	3.1417508	21	12 9.9	19.6
289131 2004 UD_{8}	16.9	X	116.44128	214.62289	244.83470	5.72729	0.1468404	0.26241158	2.4162807	21	4 21.7	20.2
289132 2004 UO_{8}	16.0	X	67.72532	5.14222	15.18311	6.47209	0.1305784	0.18535128	3.0465314	21	—	—
289133 2004 UY_{8}	16.5	X	77.62201	30.84550	311.17996	14.62662	0.1493916	0.24265272	2.5457315	21	—	—
289134 2004 VL	16.5	X	169.35358	306.83647	55.78990	13.51968	0.2292933	0.26072532	2.4266878	21	2 28.2	20.7
289135 2004 VK_{4}	17.3	X	248.10805	154.84785	187.57850	1.77050	0.2422426	0.27127294	2.3633701	21	3 30.1	21.1
289136 2004 VN_{4}	15.0	X	175.87313	180.25215	214.68376	10.49922	0.0993931	0.14614290	3.5695837	21	4 10.4	20.5
289137 2004 VC_{5}	17.2	X	321.51946	18.58948	5.32319	2.78753	0.1648909	0.28664739	2.2780892	21	9 26.8	18.7
289138 2004 VM_{7}	17.3	X	229.78531	313.03877	120.72119	3.15362	0.2093277	0.27698576	2.3307610	21	7 11.8	20.9
289139 2004 VR_{7}	16.8	X	205.78028	15.27448	61.90644	7.25433	0.1612226	0.27405842	2.3473289	21	6 25.9	20.4
289140 2004 VW_{7}	17.6	X	38.42679	334.48021	68.88667	4.85715	0.1385711	0.30183452	2.2010172	21	—	—
289141 2004 VJ_{8}	17.0	X	215.03235	305.24983	139.48411	3.44474	0.2025522	0.27564402	2.3383185	21	7 12.5	20.7
289142 2004 VD_{9}	14.7	X	36.05524	257.15968	160.12113	8.06724	0.2993314	0.12365982	3.9900988	21	—	—
289143 2004 VH_{11}	14.5	X	14.60356	7.56314	74.56457	3.93388	0.2109725	0.12454936	3.9710777	21	—	—
289144 2004 VM_{12}	16.9	X	108.37952	295.44696	144.74546	3.26344	0.1429567	0.25842469	2.4410689	21	3 18.3	19.8
289145 2004 VK_{14}	15.1	X	331.32016	324.10546	69.31095	7.05471	0.1557965	0.16962107	3.2320856	21	10 13.2	18.8
289146 2004 VL_{14}	17.6	X	284.33051	266.35966	132.08430	1.08962	0.1714023	0.28153667	2.3055758	21	8 4.5	19.8
289147 2004 VU_{16}	15.7	X	338.44392	252.92436	170.35362	16.67226	0.2262071	0.17532783	3.1615652	21	12 6.1	19.2
289148 2004 VV_{16}	16.9	X	299.89762	306.62295	61.35905	5.61050	0.2197369	0.28035160	2.3120685	21	7 6.2	19.2
289149 2004 VU_{18}	17.3	X	140.21682	52.52490	23.24637	1.61178	0.1642807	0.26360563	2.4089785	21	4 20.8	20.8
289150 2004 VL_{20}	15.4	X	58.79900	316.59403	64.23254	11.05026	0.0789112	0.18341730	3.0679094	21	—	—
289151 2004 VA_{21}	17.5	X	171.62244	59.56450	359.21295	2.20900	0.1977307	0.26689079	2.3891697	21	4 30.9	21.3
289152 2004 VU_{21}	16.5	X	108.84683	8.29506	58.29356	7.18967	0.1198052	0.25639607	2.4539279	21	2 28.3	19.6
289153 2004 VR_{24}	17.0	X	223.60881	50.69835	344.99626	6.92077	0.1284454	0.27253827	2.3560494	21	5 19.4	20.6
289154 2004 VW_{24}	15.6	X	102.85988	84.56296	273.40821	5.34386	0.2030153	0.18820418	3.0156658	21	—	—
289155 2004 VB_{25}	17.4	X	242.07958	329.21685	34.33162	1.02892	0.2203715	0.27141713	2.3625330	21	4 21.8	21.2
289156 2004 VH_{25}	16.9	X	264.10775	73.38839	31.68583	13.13370	0.2273879	0.22717926	2.6600528	21	9 29.2	20.5
289157 2004 VO_{25}	15.3	X	357.81537	149.25049	259.58640	8.57002	0.0897146	0.17606024	3.1527911	21	12 11.9	19.4
289158 2004 VS_{25}	15.3	X	332.27201	352.27321	37.42407	9.14812	0.1467093	0.16986634	3.2289737	21	10 9.5	19.1
289159 2004 VZ_{26}	15.2	X	348.56914	359.87615	46.26929	28.02742	0.1659656	0.17425970	3.1744713	21	11 23.3	18.9
289160 2004 VT_{29}	15.7	X	322.16595	64.00466	61.01276	10.85934	0.1656404	0.18153012	3.0891352	21	—	—
289161 2004 VT_{35}	17.5	X	151.20459	6.50612	56.91734	2.06221	0.1853745	0.26227853	2.4170978	21	4 18.6	21.1
289162 2004 VH_{36}	16.8	X	302.92003	272.52301	40.72497	4.07055	0.0842971	0.21323998	2.7747485	21	5 17.2	20.3
289163 2004 VB_{37}	16.9	X	25.60941	102.97620	338.04771	0.74542	0.1264178	0.18613281	3.0379976	21	—	—
289164 2004 VZ_{45}	17.4	X	306.22525	207.78916	115.65351	3.44422	0.2381203	0.27664364	2.3326823	21	5 7.8	20.0
289165 2004 VD_{48}	15.2	X	261.00504	85.28713	69.21714	26.19581	0.2600078	0.17294411	3.1905499	21	11 15.4	19.9
289166 2004 VK_{52}	16.6	X	315.41429	329.40101	78.58947	7.22389	0.1582195	0.28757421	2.2731918	21	10 27.4	18.4
289167 2004 VC_{55}	17.0	X	253.75852	256.45734	42.30944	3.42308	0.1789066	0.26455536	2.4032097	21	2 15.2	20.7
289168 2004 VR_{56}	16.8	X	210.64247	169.20522	264.99714	4.55562	0.2206075	0.27377952	2.3489228	21	6 23.9	20.7
289169 2004 VG_{59}	17.4	X	227.54997	98.36094	342.01856	3.43504	0.1535079	0.27755136	2.3275936	21	7 24.4	20.8
289170 2004 VX_{59}	15.6	X	284.21752	278.57415	41.20592	15.07146	0.2743575	0.21385213	2.7694508	21	4 9.5	19.9
289171 2004 VT_{61}	17.8	X	209.12781	211.46047	194.60167	1.86062	0.2093719	0.27045167	2.3681522	21	5 18.2	21.6
289172 2004 VM_{63}	16.1	X	141.31458	265.76971	126.00177	3.50558	0.1552708	0.19854085	2.9100657	21	3 4.7	20.6
289173 2004 VR_{63}	17.4	X	214.53080	308.54378	93.09547	2.96892	0.1747061	0.27099657	2.3649766	21	5 18.7	21.0
289174 2004 VV_{64}	15.4	X	21.84092	301.83956	71.26504	11.44744	0.1500974	0.17489680	3.1667575	21	12 9.0	19.4
289175 2004 VV_{66}	16.8	X	277.29606	299.46957	195.79533	8.06029	0.1094411	0.23982349	2.5657140	21	12 14.2	19.9
289176 2004 VT_{70}	17.5	X	194.00330	93.21671	329.96348	0.64762	0.1708594	0.26980101	2.3719580	21	5 26.9	21.1
289177 2004 VU_{72}	17.1	X	219.53034	123.57835	278.42230	7.61671	0.1895071	0.27447252	2.3449674	21	5 21.5	20.9
289178 2004 VV_{72}	17.6	X	200.83231	95.74834	312.87798	6.20148	0.2140732	0.27179894	2.3603199	21	5 11.8	21.7
289179 2004 VT_{73}	15.3	X	1.66064	224.19349	175.28356	12.85507	0.1586656	0.17618640	3.1512858	21	12 13.3	19.3
289180 2004 VT_{74}	15.1	X	342.66087	321.38517	67.57804	18.95785	0.1262466	0.17142166	3.2094128	21	10 31.5	19.1
289181 2004 VY_{74}	15.7	X	301.10773	130.59504	224.09286	11.02904	0.2012589	0.22276804	2.6950539	21	6 21.2	19.1
289182 2004 VA_{75}	15.4	X	330.96978	233.39316	235.35211	9.73491	0.0458855	0.18260341	3.0770186	21	—	—
289183 2004 VE_{75}	15.7	X	205.21637	256.78894	273.05400	21.12982	0.2474898	0.27989093	2.3146047	21	10 9.8	20.0
289184 2004 VV_{76}	16.7	X	324.30891	19.98391	72.60669	7.45356	0.2733687	0.23553471	2.5967657	21	—	—
289185 2004 VY_{77}	17.0	X	258.81059	125.14285	296.39708	6.49994	0.0650989	0.28342679	2.2953141	21	8 16.7	19.7
289186 2004 VG_{78}	15.1	X	339.99390	278.90676	88.88466	27.47369	0.1953329	0.17348464	3.1839191	21	10 9.1	19.2
289187 2004 VB_{84}	16.2	X	1.29005	312.68467	67.08463	3.82598	0.1135164	0.17359563	3.1825619	21	11 12.6	20.0
289188 2004 VH_{84}	15.1	X	24.44583	275.55539	167.62977	3.12984	0.1971549	0.12512888	3.9588071	21	—	—
289189 2004 VQ_{85}	17.1	X	35.75251	5.11413	233.34806	3.91805	0.1093973	0.27118298	2.3638927	21	7 3.7	19.5
289190 2004 VO_{91}	17.2	X	257.88845	201.37104	170.97446	5.37490	0.2307478	0.27542298	2.3395694	21	5 18.3	20.7
289191 2004 WE_{1}	17.9	X	170.60031	203.46452	231.18840	0.80410	0.1621618	0.26724417	2.3870631	21	5 19.8	21.5
289192 2004 WT_{5}	17.9	X	157.84362	277.14062	203.91604	1.80101	0.1424412	0.27129908	2.3632183	21	7 6.4	21.3
289193 2004 WF_{6}	17.2	X	163.55168	44.18337	20.91064	5.33458	0.2139112	0.26534729	2.3984257	21	5 2.5	21.1
289194 2004 WC_{11}	17.4	X	269.80937	62.29231	34.74708	5.22678	0.1415194	0.22533237	2.6745681	21	10 6.2	20.7
289195 2004 WL_{11}	17.1	X	255.00832	292.31429	110.39093	3.75897	0.2215787	0.27831277	2.3233464	21	6 24.7	20.6
289196 2004 WL_{12}	16.6	X	206.53142	141.23402	298.26353	6.29887	0.0985526	0.27349764	2.3505365	21	7 3.4	20.0
289197 2004 XY_{1}	16.0	X	33.73766	138.42307	271.39274	12.17764	0.3074553	0.18375593	3.0641390	21	—	—
289198 2004 XZ_{4}	16.5	X	75.18135	197.13651	269.58919	8.43743	0.0444163	0.25579739	2.4577553	21	2 15.4	19.6
289199 2004 XC_{5}	16.6	X	254.48123	37.01996	50.72745	5.67795	0.1377928	0.22191827	2.7019295	21	9 5.6	20.4
289200 2004 XN_{5}	16.7	X	20.75525	267.72220	76.78720	6.85545	0.2230607	0.28995153	2.2607495	21	12 8.2	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289201 2004 XV_{5}	17.7	X	212.91017	0.82280	69.96558	3.15806	0.1780227	0.27325580	2.3519231	21	6 23.7	21.4
289202 2004 XH_{6}	16.9	X	218.58854	167.86405	258.04707	1.61470	0.1726840	0.27230779	2.3573786	21	6 23.1	20.6
289203 2004 XU_{7}	16.8	X	317.24252	175.41767	229.98432	3.67198	0.1860844	0.22705187	2.6610477	21	10 6.4	19.3
289204 2004 XL_{9}	17.1	X	217.92121	104.27937	298.38967	2.32849	0.1329144	0.26975034	2.3722551	21	5 24.3	20.7
289205 2004 XA_{12}	16.4	X	137.14439	235.13315	269.52940	5.34580	0.0739900	0.27106071	2.3646036	21	7 10.6	19.6
289206 2004 XJ_{12}	17.1	X	265.61036	6.39635	71.53113	3.81737	0.1466521	0.28148887	2.3058368	21	9 9.9	19.8
289207 2004 XG_{13}	17.4	X	325.17960	92.57017	296.85847	1.92235	0.1634443	0.28577880	2.2827028	21	10 13.5	18.9
289208 2004 XK_{17}	16.6	X	83.59752	31.85264	77.64398	9.98727	0.1830452	0.25510136	2.4622238	21	4 3.7	19.5
289209 2004 XF_{19}	16.1	X	317.68733	175.24014	254.24688	3.53738	0.0661036	0.23009640	2.6375225	21	11 19.5	19.3
289210 2004 XK_{20}	16.8	X	238.89123	159.32625	290.55654	2.95005	0.1435807	0.27820592	2.3239412	21	8 19.1	19.9
289211 2004 XH_{22}	16.0	X	303.80369	266.68298	94.14158	16.34150	0.3071765	0.22036346	2.7146239	21	6 17.1	19.2
289212 2004 XF_{23}	15.9	X	303.68244	178.66564	269.44731	12.86361	0.1505578	0.22864093	2.6487038	21	11 13.9	18.8
289213 2004 XV_{24}	16.2	X	22.79900	276.52781	98.35687	6.21656	0.2955901	0.23464012	2.6033618	21	—	—
289214 2004 XE_{25}	16.0	X	290.71438	331.18307	104.13987	8.98093	0.1368222	0.22305213	2.6927651	21	10 12.5	19.4
289215 2004 XV_{30}	16.3	X	277.49393	50.03985	54.84628	26.20517	0.3317847	0.22530903	2.6747528	21	10 10.9	20.1
289216 2004 XR_{31}	17.1	X	310.79364	191.64771	277.34218	6.96096	0.1132128	0.29144355	2.2530271	21	—	—
289217 2004 XK_{36}	15.0	X	285.93945	26.41383	64.36283	11.17047	0.0515558	0.16989319	3.2286334	21	10 27.4	19.5
289218 2004 XB_{39}	16.2	X	216.37036	295.15067	172.19229	11.89234	0.2540231	0.21592901	2.7516639	21	8 5.5	21.0
289219 2004 XU_{40}	14.8	X	109.16557	57.52885	276.07229	20.94743	0.1257589	0.18185409	3.0854653	21	—	—
289220 2004 XX_{40}	16.4	X	19.22267	35.41406	11.31737	2.92682	0.1727680	0.23774717	2.5806304	21	—	—
289221 2004 XL_{41}	17.4	X	251.81355	21.00008	67.67654	3.61903	0.1517964	0.27789500	2.3256743	21	9 4.7	20.3
289222 2004 XG_{44}	17.0	X	189.16996	158.03518	294.43086	1.65934	0.2207864	0.21185490	2.7868293	21	6 29.6	21.8
289223 2004 XD_{46}	17.3	X	258.32871	330.86939	130.28460	4.42052	0.1395808	0.22370854	2.6874951	21	9 26.8	20.9
289224 2004 XL_{48}	16.7	X	347.78643	193.90316	228.20480	2.78107	0.2507309	0.23365826	2.6106498	21	—	—
289225 2004 XH_{53}	17.0	X	2.79623	295.79042	109.70355	1.54946	0.1396853	0.23388278	2.6089788	21	—	—
289226 2004 XX_{60}	16.4	X	239.56018	10.73689	95.94675	5.92668	0.0655189	0.21889980	2.7267112	21	9 21.9	20.3
289227 2004 XY_{60}	18.9	X	332.28190	130.86046	122.60767	23.77284	0.7966662	1.92389040	0.6402494	21	—	—
289228 2004 XB_{62}	15.2	X	348.84484	174.20845	276.99737	26.69104	0.1206203	0.17902948	3.1178342	21	—	—
289229 2004 XR_{62}	16.2	X	28.11306	309.95606	101.82873	3.29017	0.1996659	0.18162918	3.0880119	21	—	—
289230 2004 XY_{63}	16.1	X	299.62442	17.78426	61.74917	11.79323	0.1473862	0.22786336	2.6547261	21	10 30.9	19.1
289231 2004 XE_{66}	15.0	X	52.61336	326.11263	82.13991	4.03129	0.2600762	0.12547030	3.9516223	21	—	—
289232 2004 XK_{69}	17.0	X	129.08650	199.53042	231.30559	4.89645	0.1618018	0.25949720	2.4343383	21	3 31.6	20.4
289233 2004 XL_{69}	16.7	X	202.07801	231.63544	197.52197	22.06167	0.2082438	0.27148218	2.3621556	21	6 10.2	21.0
289234 2004 XN_{70}	15.6	X	228.33698	212.42904	259.35635	12.23093	0.0810106	0.22329621	2.6908024	21	9 3.2	19.7
289235 2004 XY_{70}	17.8	X	29.60638	71.88514	346.53754	2.29861	0.1376149	0.29755787	2.2220564	21	—	—
289236 2004 XA_{75}	16.5	X	228.91458	89.61236	261.89674	4.96053	0.1393298	0.26312774	2.4118944	21	3 27.8	20.2
289237 2004 XF_{75}	16.0	X	41.42139	304.01135	88.93611	2.37108	0.2947792	0.17991288	3.1076198	21	—	—
289238 2004 XO_{75}	15.3	X	13.23383	329.37066	94.88358	17.94661	0.1992491	0.17763312	3.1341523	21	—	—
289239 2004 XV_{75}	16.7	X	72.96826	47.58609	75.06729	3.57181	0.1388814	0.25559649	2.4590430	21	3 24.8	19.3
289240 2004 XU_{76}	15.4	X	10.32973	39.43385	58.80057	11.44154	0.0501744	0.18491659	3.0513039	21	—	—
289241 2004 XK_{77}	15.4	X	298.84317	254.91217	261.78274	9.66582	0.0231011	0.18042093	3.1017832	21	—	—
289242 2004 XO_{77}	14.9	X	354.61786	315.79687	80.01697	17.12039	0.0585017	0.17258201	3.1950110	21	11 21.7	19.3
289243 2004 XH_{78}	16.3	X	20.17408	33.43283	78.66098	3.90629	0.1408860	0.18619510	3.0373200	21	—	—
289244 2004 XX_{78}	17.3	X	315.29165	128.40963	250.22434	1.51494	0.2105035	0.28288400	2.2982493	21	8 25.9	18.8
289245 2004 XJ_{79}	16.0	X	351.25303	357.82939	60.89735	2.57825	0.1691581	0.17545912	3.1599879	21	12 19.9	19.6
289246 2004 XH_{81}	17.0	X	299.48337	313.06518	84.27534	3.90803	0.2044068	0.28194463	2.3033512	21	8 26.2	19.0
289247 2004 XM_{83}	17.4	X	281.60153	352.04962	70.77568	3.63016	0.1408443	0.28148897	2.3058363	21	9 13.8	19.7
289248 2004 XQ_{84}	15.7	X	280.15297	7.24499	89.66039	3.13231	0.1130973	0.16913773	3.2382401	21	10 17.1	20.0
289249 2004 XT_{84}	17.2	X	100.32478	270.13153	195.27619	1.97879	0.1683859	0.25685160	2.4510257	21	4 14.2	20.3
289250 2004 XZ_{85}	16.0	X	340.69964	300.04271	104.63999	14.27555	0.2880159	0.22999506	2.6382971	21	12 9.5	17.9
289251 2004 XC_{86}	16.7	X	148.54995	290.28427	116.42281	5.47174	0.1903010	0.25689644	2.4507405	21	3 28.8	20.4
289252 2004 XQ_{86}	17.0	X	305.13912	323.97143	136.44989	3.38377	0.2419797	0.22956583	2.6415848	21	11 28.3	19.2
289253 2004 XR_{86}	17.2	X	154.73258	242.71030	243.94911	3.79239	0.1854198	0.26673803	2.3900817	21	7 12.2	21.1
289254 2004 XK_{89}	16.9	X	30.55865	126.98234	32.89631	4.19956	0.1327669	0.25409774	2.4687030	21	2 27.7	19.2
289255 2004 XE_{92}	16.9	X	232.04433	348.23399	42.59813	7.05984	0.2549144	0.27224049	2.3577671	21	5 15.2	21.0
289256 2004 XV_{92}	17.3	X	80.71792	82.44499	10.57892	2.91626	0.1461894	0.25368283	2.4713941	21	2 23.8	20.0
289257 2004 XQ_{99}	17.3	X	201.86538	129.59602	326.91249	0.98324	0.1433863	0.27131555	2.3631226	21	7 18.9	20.8
289258 2004 XC_{101}	17.1	X	68.32442	70.14530	72.91477	2.89815	0.1606249	0.25646969	2.4534583	21	4 17.9	19.5
289259 2004 XO_{101}	17.1	X	331.05373	14.26189	69.96737	5.51436	0.0778975	0.29097883	2.2554253	21	—	—
289260 2004 XB_{105}	16.6	X	143.45281	59.12459	42.41457	2.76328	0.1682053	0.26350760	2.4095759	21	5 28.4	20.1
289261 2004 XD_{107}	15.1	X	28.75026	105.31055	339.04083	3.87872	0.2173693	0.12526136	3.9560154	21	—	—
289262 2004 XO_{111}	17.3	X	272.74373	13.27740	26.41153	4.42449	0.2327858	0.27722836	2.3294011	21	7 10.7	20.3
289263 2004 XZ_{119}	17.3	X	144.82156	321.59468	111.93909	3.11464	0.1849162	0.25936650	2.4351560	21	4 26.4	20.9
289264 2004 XE_{121}	17.2	X	57.50306	107.58391	278.58035	3.09524	0.2075376	0.29887014	2.2155473	21	—	—
289265 2004 XW_{123}	17.5	X	139.06162	221.69562	195.56834	1.06419	0.1802965	0.25796344	2.4439779	21	3 28.8	20.9
289266 2004 XC_{124}	16.2	X	102.32262	97.43493	344.07101	13.95592	0.1215585	0.25520616	2.4615497	21	3 7.3	19.0
289267 2004 XY_{124}	15.4	X	73.51887	320.41227	92.08024	10.88777	0.0559441	0.18475247	3.0531107	21	—	—
289268 2004 XX_{127}	17.1	X	117.35960	214.70957	258.57580	2.01629	0.1229848	0.26132113	2.4229979	21	5 9.5	20.2
289269 2004 XL_{142}	16.1	X	172.63748	177.33177	301.78003	3.71821	0.0753116	0.21281583	2.7784340	21	7 17.9	20.1
289270 2004 XW_{142}	15.4	X	26.34979	344.89457	58.54780	11.81723	0.0854128	0.17832252	3.1260692	21	—	—
289271 2004 XA_{144}	16.2	X	240.18742	333.01990	130.04388	10.40050	0.1613573	0.21763016	2.7373059	21	9 4.4	20.2
289272 2004 XB_{147}	17.3	X	270.62713	102.80133	159.36157	5.69596	0.0792821	0.30947913	2.1646207	21	1 14.2	20.2
289273 2004 XV_{147}	16.9	X	314.30115	291.51110	84.95417	4.94701	0.1866313	0.28398554	2.2923023	21	8 27.7	18.7
289274 2004 XH_{148}	17.1	X	285.48569	333.96034	96.98150	6.45842	0.1327268	0.28095076	2.3087801	21	10 5.9	19.5
289275 2004 XC_{149}	15.6	X	95.05602	250.90675	78.24526	6.47816	0.1389737	0.18007735	3.1057274	21	—	—
289276 2004 XM_{149}	17.9	X	170.47965	66.82736	58.87291	2.09643	0.1305492	0.26916223	2.3757093	21	7 26.2	21.3
289277 2004 XD_{151}	15.5	X	202.53346	286.80493	288.54550	7.93550	0.0555251	0.17435124	3.1733601	21	12 13.4	20.1
289278 2004 XD_{161}	17.3	X	18.59836	98.30492	304.97495	6.40793	0.0360651	0.29234974	2.2483689	21	—	—
289279 2004 XP_{161}	16.5	X	93.04503	113.47179	14.03716	5.42342	0.1658394	0.25945306	2.4346144	21	5 2.7	19.5
289280 2004 XT_{161}	16.4	X	27.57982	132.14690	283.07941	13.30050	0.1205555	0.23807942	2.5782289	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289281 2004 XT_{162}	15.8	X	344.04238	120.97864	307.68291	9.51903	0.0764021	0.17646210	3.1480026	21	12 15.9	19.9
289282 2004 XB_{167}	16.9	X	251.74048	288.24709	107.98824	8.94009	0.3102532	0.27631457	2.3345340	21	6 5.2	20.7
289283 2004 XL_{171}	16.8	X	257.77369	69.65183	253.79597	6.52972	0.1427895	0.26841241	2.3801317	21	3 19.5	20.4
289284 2004 XH_{179}	16.8	X	203.23888	279.38237	127.45189	5.58310	0.1073740	0.26846944	2.3797946	21	5 17.5	20.3
289285 2004 XZ_{181}	12.9	X	350.69325	320.94561	305.99689	8.46159	0.0668266	0.08342345	5.1873308	21	6 3.4	19.6
289286 2004 XG_{186}	17.9	X	303.89248	37.79177	23.73282	2.82704	0.1803344	0.28429373	2.2906454	21	10 16.9	19.5
289287 2004 YS_{2}	16.4	X	172.14394	280.70451	265.77571	3.93529	0.1044510	0.22176371	2.7031847	21	10 9.4	20.6
289288 2004 YK_{6}	17.0	X	144.54035	0.57009	49.93124	5.30558	0.1005457	0.26194502	2.4191490	21	3 19.2	20.3
289289 2004 YD_{11}	15.8	X	170.17521	102.38315	242.63830	10.95458	0.0677200	0.19431650	2.9520901	21	1 25.9	20.4
289290 2004 YB_{16}	16.9	X	115.44368	41.94003	67.40869	2.12930	0.1449127	0.25751210	2.4468328	21	5 5.8	20.3
289291 2004 YQ_{16}	17.7	X	196.73549	314.05058	101.43535	2.24020	0.1894337	0.26508729	2.3999937	21	5 20.1	21.5
289292 2004 YP_{17}	16.6	X	64.67209	262.86091	120.33056	3.46651	0.1673475	0.23814164	2.5777798	21	—	—
289293 2004 YZ_{17}	17.2	X	179.20339	337.03053	115.85532	1.44064	0.1637135	0.26650685	2.3914637	21	6 21.0	20.9
289294 2004 YO_{18}	15.9	X	298.88979	236.90224	287.88171	7.75735	0.1475460	0.17543462	3.1602820	21	—	—
289295 2004 YT_{19}	17.1	X	167.35795	108.12664	272.33712	1.20410	0.2151163	0.25509551	2.4622615	21	3 12.3	21.1
289296 2004 YO_{24}	15.5	X	286.63870	149.21728	100.52014	12.75928	0.0737943	0.18916015	3.0054969	21	2 12.2	19.9
289297 2004 YK_{25}	16.6	X	37.11243	65.38699	287.45210	5.40189	0.0490701	0.22550254	2.6732224	21	11 30.8	20.2
289298 2004 YV_{29}	16.2	X	75.64937	114.99166	356.11005	7.01140	0.1442462	0.25184205	2.4834222	21	3 12.4	18.8
289299 2005 AH_{1}	16.9	X	137.35106	132.87859	298.29290	6.49615	0.1616180	0.25703975	2.4498295	21	4 8.6	20.5
289300 2005 AX_{2}	17.4	X	346.50405	115.07313	333.29825	5.86577	0.0816751	0.29201234	2.2501005	21	—	—
289301 2005 AM_{3}	17.4	X	234.98476	296.85834	142.75685	3.74402	0.2059699	0.27463654	2.3440336	21	7 24.9	21.0
289302 2005 AY_{3}	16.3	X	178.30518	260.52085	98.69294	8.99068	0.1486377	0.25360385	2.4719072	21	2 23.9	20.2
289303 2005 AX_{6}	16.4	X	272.73158	359.34231	103.67532	13.24929	0.2150115	0.22273939	2.6952850	21	10 12.4	20.1
289304 2005 AW_{10}	16.1	X	223.93719	251.22132	304.88302	26.60676	0.2368020	0.28365992	2.2940563	21	12 13.9	19.7
289305 2005 AY_{10}	16.2	X	142.89170	110.86793	79.24701	9.81008	0.0988329	0.21255934	2.7806687	21	9 20.4	20.6
289306 2005 AH_{11}	15.9	X	223.97406	55.97777	110.44061	15.04480	0.1024575	0.22416682	2.6838310	21	11 16.4	20.0
289307 2005 AH_{13}	17.0	X	289.38832	296.95777	151.06831	2.40150	0.1761353	0.22528497	2.6749432	21	10 18.3	19.9
289308 2005 AF_{15}	16.8	X	162.33438	85.99759	311.83693	5.01031	0.1394405	0.25677573	2.4515085	21	3 22.0	20.5
289309 2005 AA_{16}	16.5	X	332.68334	188.41902	283.30324	5.30119	0.2582393	0.23460603	2.6036140	21	—	—
289310 2005 AR_{16}	16.7	X	92.94205	257.21152	282.21146	9.00845	0.1902870	0.26287016	2.4134697	21	7 18.7	19.9
289311 2005 AP_{17}	16.1	X	304.75864	9.00167	122.11403	14.17574	0.0971948	0.23194675	2.6234766	21	—	—
289312 2005 AX_{17}	16.3	X	270.83459	241.37574	284.35617	6.43331	0.1375893	0.23178720	2.6246803	21	—	—
289313 2005 AZ_{21}	16.1	X	3.87082	203.81484	303.24494	18.07779	0.0658814	0.24236654	2.5477351	21	1 3.6	19.3
289314 Chisholm	15.3	X	97.04798	283.70003	111.31395	12.37297	0.0920981	0.18296018	3.0730173	21	1 10.2	19.4
289315 2005 AN_{26}	18.5	X	264.12308	208.44191	175.80050	4.92057	0.6380326	0.27914124	2.3187471	21	5 6.7	23.3
289316 2005 AT_{26}	16.5	X	288.10509	169.57322	283.99864	6.82212	0.0720571	0.22208575	2.7005709	21	11 3.0	19.9
289317 2005 AE_{28}	16.9	X	85.55798	131.77447	125.55893	7.06058	0.0780586	0.27547958	2.3392490	21	10 14.9	20.0
289318 2005 AF_{28}	15.7	X	58.21338	122.93930	290.70598	8.87852	0.0824044	0.17970729	3.1099894	21	—	—
289319 2005 AJ_{42}	14.8	X	66.54630	3.39514	342.15544	15.47287	0.1888346	0.17186171	3.2039320	21	—	—
289320 2005 AP_{42}	16.6	X	221.47503	86.28360	44.88361	9.59189	0.1404266	0.27877305	2.3207883	21	9 29.6	19.9
289321 2005 AN_{45}	16.9	X	143.41654	251.59022	259.10336	3.25004	0.1556066	0.26520230	2.3992998	21	7 31.1	20.6
289322 2005 AS_{45}	17.6	X	120.83671	194.38830	318.02151	19.83204	0.0140911	0.38600081	1.8681450	21	6 24.1	19.8
289323 2005 AZ_{46}	16.3	X	12.88443	166.91825	278.61831	3.09584	0.2805809	0.23760341	2.5816712	21	—	—
289324 2005 AB_{48}	16.4	X	127.85578	224.92372	118.81829	15.93719	0.1349163	0.24034631	2.5619919	21	—	—
289325 2005 AX_{49}	16.8	X	154.62366	262.16842	111.01820	4.34377	0.1831186	0.25229034	2.4804794	21	2 19.2	20.5
289326 2005 AY_{49}	16.5	X	134.19713	189.84865	251.88901	4.92679	0.0830154	0.25722852	2.4486308	21	4 11.1	19.8
289327 2005 AZ_{51}	13.5	X	163.34485	127.14384	333.52422	9.78029	0.0513903	0.08288259	5.2098733	21	6 15.1	20.7
289328 2005 AK_{53}	16.3	X	321.09734	239.94585	277.32876	6.19406	0.1410123	0.23679492	2.5875443	21	—	—
289329 2005 AE_{57}	16.1	X	329.38665	203.58797	270.66758	11.45380	0.1276188	0.23279995	2.6170627	21	—	—
289330 2005 AS_{58}	16.8	X	153.32348	302.61870	125.72274	12.74020	0.1782281	0.25888154	2.4381963	21	5 1.7	20.8
289331 2005 AX_{63}	17.6	X	22.61754	97.84626	287.11203	2.96441	0.1585274	0.29060569	2.2573556	21	—	—
289332 2005 AE_{66}	16.2	X	0.55605	246.26832	131.95173	7.12807	0.0360011	0.22327091	2.6910057	21	11 15.0	19.7
289333 2005 AF_{68}	16.2	X	5.46963	196.13155	287.60230	9.73265	0.1443237	0.23968604	2.5666947	21	—	—
289334 2005 AG_{72}	17.5	X	132.05791	70.71085	89.94696	1.83263	0.1597627	0.26543314	2.3979086	21	8 3.5	21.2
289335 2005 AY_{78}	16.4	X	31.47223	259.93200	334.96540	8.50595	0.0544386	0.20081404	2.8880630	21	6 17.1	20.2
289336 2005 AM_{80}	17.6	X	204.23211	48.43108	43.33188	2.25200	0.1506374	0.26888513	2.3773413	21	7 14.8	21.3
289337 2005 AN_{81}	17.2	X	283.37718	68.42601	76.26795	14.01071	0.2123127	0.22948794	2.6421824	21	12 19.5	19.9
289338 2005 AC_{82}	16.2	X	359.40309	142.41533	333.96759	9.67040	0.1910788	0.17766260	3.1338055	21	—	—
289339 2005 AD_{82}	16.4	X	350.93226	266.20529	109.42165	6.93079	0.0706686	0.22017356	2.7161846	21	10 31.1	19.8
289340 2005 AM_{82}	17.0	X	343.57045	317.02281	220.68087	2.01613	0.1272268	0.24259965	2.5461028	21	1 3.7	20.1
289341 2005 BH_{3}	16.5	X	336.28438	81.62330	336.94984	13.31204	0.2491051	0.22955288	2.6416841	21	12 12.4	18.9
289342 2005 BQ_{4}	16.9	X	306.67293	88.77882	314.70852	7.12720	0.0707630	0.27980561	2.3150752	21	10 1.1	19.6
289343 2005 BE_{5}	17.1	X	205.95075	332.75683	50.51301	3.60468	0.1967621	0.26279092	2.4139549	21	4 17.6	20.9
289344 2005 BD_{6}	17.0	X	276.79853	318.56525	91.94469	5.59816	0.1592009	0.27679788	2.3318157	21	8 14.5	19.6
289345 2005 BZ_{8}	16.9	X	125.29121	51.07295	25.40179	2.34442	0.1825643	0.25484660	2.4638645	21	4 8.5	20.2
289346 2005 BH_{9}	15.2	X	308.00547	18.39316	115.70766	13.08802	0.0787848	0.17177319	3.2050327	21	—	—
289347 2005 BR_{9}	16.6	X	32.60968	143.35889	298.99061	11.96234	0.0846193	0.23864905	2.5741247	21	—	—
289348 2005 BO_{13}	16.8	X	167.08935	28.37666	133.22801	7.63541	0.0797635	0.27140273	2.3626165	21	9 10.6	20.1
289349 2005 BP_{15}	16.7	X	46.96751	276.97222	131.11238	9.34734	0.1640352	0.23805808	2.5783830	21	—	—
289350 2005 BM_{16}	17.0	X	249.19277	14.07027	102.77767	10.95919	0.2402177	0.22122321	2.7075860	21	9 25.7	21.2
289351 2005 BA_{17}	17.6	X	125.17578	62.45946	129.75772	3.10650	0.1706110	0.26893327	2.3770575	21	9 8.5	21.2
289352 2005 BL_{17}	17.5	X	209.19299	170.13148	281.92643	1.89822	0.1687562	0.27055062	2.3675747	21	7 18.7	21.1
289353 2005 BF_{19}	16.4	X	17.84596	6.31098	49.06324	4.93557	0.1569752	0.23416184	2.6069056	21	—	—
289354 2005 BG_{19}	16.2	X	209.54527	176.81067	315.22778	15.21496	0.1732771	0.21542174	2.7559819	21	9 1.7	20.8
289355 2005 BF_{25}	16.8	X	200.18036	91.28377	53.83462	4.05882	0.1361714	0.21672021	2.7449626	21	9 18.0	21.0
289356 2005 BU_{25}	16.2	X	2.07732	261.91270	158.54395	4.97980	0.2974295	0.23264825	2.6182002	21	—	—
289357 2005 BA_{28}	17.2	X	57.51083	64.29006	113.80810	24.50290	0.0606209	0.37561995	1.9024078	21	5 7.3	19.6
289358 2005 BT_{28}	15.9	X	243.42474	278.25412	251.32301	12.61665	0.0804501	0.22569660	2.6716899	21	12 11.9	19.6
289359 2005 BQ_{29}	15.9	X	193.39684	269.79229	322.96428	13.61044	0.1182032	0.22779829	2.6552316	21	12 29.9	20.1
289360 2005 BB_{39}	17.5	X	151.23503	170.02131	132.76299	5.15625	0.1804584	0.29418716	2.2389973	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289361 2005 BZ_{41}	18.4	X	349.07751	193.99330	329.03601	2.04247	0.0628062	0.30332786	2.1937873	21	—	—
289362 2005 BR_{48}	15.1	X	274.78106	277.43944	146.01452	15.80209	0.1366880	0.15404017	3.4465141	21	8 23.7	20.0
289363 2005 BC_{49}	16.4	X	185.91826	241.40489	271.59458	8.49866	0.2626051	0.21234101	2.7825745	21	9 3.5	21.4
289364 2005 BR_{49}	16.4	X	39.39914	197.85589	251.53717	11.78328	0.1467416	0.24140231	2.5545148	21	—	—
289365 2005 CP_{3}	17.0	X	1.92695	316.82358	110.13024	6.56881	0.0533936	0.22823886	2.6518135	21	—	—
289366 2005 CY_{3}	17.5	X	228.49653	169.10320	30.46333	3.95343	0.1120963	0.28582809	2.2824404	21	—	—
289367 2005 CA_{4}	16.4	X	314.80899	66.97185	100.26413	5.29517	0.1347987	0.23514051	2.5996672	21	—	—
289368 2005 CD_{8}	17.2	X	280.76259	117.63553	1.14908	5.61465	0.0995734	0.28586106	2.2822649	21	12 8.8	19.6
289369 2005 CO_{8}	17.6	X	174.82561	20.77571	55.22950	1.43864	0.1803143	0.26271435	2.4144239	21	5 26.2	21.2
289370 2005 CG_{9}	16.6	X	284.03568	66.07536	131.37705	13.09700	0.1641863	0.23399957	2.6081107	21	—	—
289371 2005 CZ_{10}	15.3	X	339.12286	313.51171	341.01267	14.64903	0.2625641	0.19806486	2.9147262	21	5 22.9	18.6
289372 2005 CN_{11}	16.8	X	46.28835	128.73442	336.61418	7.27774	0.0813374	0.24236433	2.5477506	21	1 11.4	19.7
289373 2005 CK_{13}	17.3	X	74.25123	107.80190	347.13816	6.72371	0.0821000	0.30624971	2.1798114	21	1 26.0	19.3
289374 2005 CL_{13}	17.1	X	170.09537	61.44249	109.06054	6.55063	0.1652988	0.27218874	2.3580659	21	9 25.3	20.8
289375 2005 CX_{13}	15.4	X	271.51660	79.27969	134.66134	26.40546	0.2278196	0.17322534	3.1870957	21	—	—
289376 2005 CA_{15}	16.8	X	161.86640	295.38757	116.91503	3.09849	0.1886298	0.25668117	2.4521105	21	4 16.3	20.6
289377 2005 CM_{16}	17.0	X	337.08020	181.17820	305.22192	6.91249	0.0403897	0.29495377	2.2351161	21	—	—
289378 2005 CG_{17}	18.2	X	6.44311	316.81650	143.62557	2.15246	0.1243909	0.29697443	2.2249658	21	—	—
289379 2005 CG_{21}	17.4	X	230.11137	80.54277	85.50402	2.78999	0.1578829	0.28105733	2.3081965	21	11 19.9	20.4
289380 2005 CU_{23}	16.2	X	65.96748	217.31008	240.91418	7.71257	0.1174496	0.24622551	2.5210455	21	1 30.9	19.1
289381 2005 CP_{24}	17.0	X	136.39924	333.14832	260.87306	6.67984	0.0781510	0.27830116	2.3234110	21	11 8.3	20.3
289382 2005 CX_{24}	16.4	X	20.47255	196.82076	263.68201	7.92162	0.1219874	0.23889976	2.5723234	21	—	—
289383 2005 CO_{26}	17.9	X	68.54349	15.72823	106.99903	3.03985	0.0992366	0.31000565	2.1621690	21	2 27.5	19.6
289384 2005 CU_{26}	16.7	X	347.88066	83.50310	123.89541	10.71399	0.0332775	0.24766752	2.5112504	21	3 5.5	19.9
289385 2005 CO_{28}	17.6	X	253.86491	52.97730	8.47066	2.53007	0.1955567	0.27254345	2.3560195	21	7 23.2	20.9
289386 2005 CX_{29}	16.3	X	227.44919	350.42890	114.46267	5.02838	0.0553688	0.21171589	2.7880491	21	9 3.9	20.2
289387 2005 CE_{30}	17.2	X	63.53121	148.83418	101.92466	3.46238	0.1765496	0.26513758	2.3996903	21	9 19.1	20.2
289388 2005 CT_{32}	16.6	X	308.37839	34.78234	353.02322	3.88729	0.1156001	0.21530083	2.7570136	21	9 2.7	19.9
289389 2005 CZ_{33}	17.7	X	350.24932	353.14613	32.81906	2.43669	0.0240841	0.28007971	2.3135645	21	11 17.8	20.3
289390 2005 CY_{34}	16.7	X	12.22549	241.63206	86.21040	2.77456	0.0530371	0.21379293	2.7699621	21	9 25.2	20.1
289391 2005 CJ_{36}	17.5	X	264.32290	159.96293	343.48492	4.22418	0.0687725	0.28549498	2.2842154	21	12 22.3	19.9
289392 2005 CP_{36}	17.3	X	7.38381	11.19315	99.51315	3.19235	0.1272258	0.23817066	2.5775705	21	—	—
289393 2005 CL_{37}	17.7	X	134.91845	118.42356	15.00440	2.41798	0.1200180	0.26135824	2.4227685	21	6 27.2	21.1
289394 2005 CJ_{38}	18.0	X	278.20021	246.13646	152.94438	23.04227	0.1336164	0.39069515	1.8531506	21	8 6.9	19.5
289395 2005 CH_{40}	16.2	X	317.85069	107.51377	87.70662	14.06578	0.2005714	0.23859476	2.5745151	21	—	—
289396 2005 CB_{41}	17.6	X	157.43468	149.54277	111.19826	7.86320	0.1542218	0.28481760	2.2878357	21	—	—
289397 2005 CX_{43}	17.7	X	149.54590	246.94001	241.47209	0.72176	0.1308853	0.26365683	2.4086667	21	7 7.2	21.1
289398 2005 CJ_{44}	16.2	X	220.18056	310.81970	130.87075	7.26707	0.0299964	0.20616678	2.8378554	21	7 26.9	20.0
289399 2005 CH_{46}	15.5	X	175.56575	135.01469	147.86407	11.70803	0.0531386	0.17068010	3.2187022	21	—	—
289400 2005 CM_{46}	17.4	X	207.06249	268.67400	333.95743	2.30363	0.1221708	0.28846164	2.2685273	21	—	—
289401 2005 CG_{47}	17.2	X	173.38338	96.15505	137.01629	2.55238	0.1650222	0.28077932	2.3097198	21	12 14.2	20.6
289402 2005 CM_{48}	16.4	X	22.44628	128.27374	334.91476	12.26145	0.2487597	0.23913880	2.5706089	21	—	—
289403 2005 CK_{50}	16.4	X	295.32056	194.72645	330.37574	4.26757	0.0800331	0.23203352	2.6228225	21	—	—
289404 2005 CT_{50}	16.4	X	299.00302	219.01471	315.27112	7.32066	0.1437415	0.23330454	2.6132879	21	—	—
289405 2005 CM_{52}	16.9	X	205.49393	33.81170	94.67776	5.40919	0.0681588	0.27261716	2.3555948	21	9 12.9	20.1
289406 2005 CK_{58}	17.5	X	237.33265	16.89480	179.38635	5.07795	0.1617283	0.28715139	2.2754228	21	—	—
289407 2005 CX_{58}	16.7	X	284.80946	219.67244	317.68725	7.44164	0.1287365	0.23238761	2.6201575	21	—	—
289408 2005 CR_{59}	17.2	X	270.42020	216.75931	254.96186	2.35951	0.0933248	0.28119751	2.3074293	21	11 11.7	19.8
289409 2005 CS_{60}	16.5	X	80.80388	161.27612	331.82654	7.87364	0.1911398	0.19329519	2.9624795	21	4 30.9	20.5
289410 2005 CN_{65}	17.6	X	276.55137	346.34391	131.16131	4.55849	0.1936324	0.28372586	2.2937008	21	11 17.5	19.7
289411 2005 CE_{72}	16.0	X	143.58592	351.87614	343.47688	14.11312	0.1940209	0.23596712	2.5935924	21	—	—
289412 2005 CT_{73}	17.9	X	261.31138	220.88314	353.35255	2.64560	0.0638618	0.29440949	2.2378700	21	—	—
289413 2005 CL_{74}	15.9	X	215.11241	341.56329	154.76474	9.31721	0.1024737	0.21621759	2.7492150	21	9 25.1	19.9
289414 2005 CM_{75}	17.5	X	123.86257	164.33270	33.84886	2.60004	0.1548304	0.26812814	2.3818137	21	9 13.9	20.9
289415 2005 CW_{79}	16.2	X	67.90129	15.10542	163.43594	15.91760	0.1609999	0.19608113	2.9343518	21	6 12.2	20.3
289416 2005 CY_{80}	15.6	X	304.39774	301.10200	235.69942	14.78669	0.0933071	0.23704563	2.5857195	21	—	—
289417 2005 DF	17.4	X	79.96703	53.00344	176.25654	2.08894	0.0872472	0.26434699	2.4044725	21	8 25.8	20.3
289418 2005 DP_{3}	17.0	X	227.86902	254.85440	167.81743	2.13941	0.0534856	0.20330779	2.8643981	21	7 9.0	21.1
289419 2005 EW_{2}	17.9	X	337.82510	52.32138	132.92596	0.83497	0.1308239	0.30336685	2.1935993	21	—	—
289420 2005 EB_{5}	16.7	X	42.57473	210.43569	6.65661	6.25022	0.0970723	0.25515978	2.4618480	21	6 11.5	19.5
289421 2005 EK_{7}	17.8	X	118.99818	23.24424	165.76059	1.38843	0.1266297	0.26288875	2.4133560	21	8 23.9	21.4
289422 2005 ER_{8}	17.5	X	208.21505	320.75238	126.17646	2.47033	0.0942963	0.26820819	2.3813397	21	7 15.4	20.6
289423 2005 EX_{8}	16.1	X	107.95829	345.81053	321.80480	13.58867	0.1075163	0.22686353	2.6625203	21	—	—
289424 2005 EQ_{12}	16.4	X	235.06585	24.28927	77.22708	3.77387	0.1497423	0.21180724	2.7872474	21	8 28.4	20.5
289425 2005 EL_{13}	17.4	X	106.33986	7.82233	122.58849	2.25285	0.1190289	0.25486469	2.4637479	21	5 19.8	20.5
289426 2005 EW_{13}	17.2	X	207.84382	121.60114	25.04964	3.82173	0.1729519	0.27382356	2.3486710	21	9 28.2	20.6
289427 2005 EY_{13}	17.1	X	174.47448	60.74127	147.46109	8.08994	0.1064186	0.27636554	2.3342469	21	11 19.0	20.6
289428 2005 EA_{19}	17.6	X	46.32331	107.22546	168.84873	6.51615	0.1036092	0.26388835	2.4072576	21	9 16.2	20.2
289429 2005 ED_{19}	16.7	X	345.39494	351.46752	165.75738	4.33478	0.0409206	0.23625141	2.5915113	21	—	—
289430 2005 EJ_{22}	17.0	X	271.13854	259.03513	157.26469	7.75316	0.0969425	0.27055559	2.3675457	21	8 22.3	19.9
289431 2005 EJ_{25}	17.1	X	174.96677	89.57727	80.20527	2.71592	0.1362657	0.27072775	2.3665419	21	9 27.9	20.6
289432 2005 EW_{25}	16.5	X	175.79264	241.45823	342.71009	7.26656	0.1713572	0.21768276	2.7368649	21	11 24.4	21.1
289433 2005 EA_{26}	16.7	X	125.95954	17.01027	165.56467	6.36611	0.0825698	0.26458281	2.4030435	21	8 18.6	20.0
289434 2005 ED_{26}	17.3	X	130.41840	168.05414	345.55449	19.65325	0.0432157	0.38190698	1.8814715	21	7 21.3	19.6
289435 2005 EL_{29}	17.0	X	39.86294	178.16651	299.55288	3.93395	0.2228034	0.24269958	2.5454038	21	1 15.6	19.0
289436 2005 EU_{29}	17.5	X	142.40051	29.05081	38.93661	4.04328	0.1030617	0.31334880	2.1467626	21	4 1.9	20.1
289437 2005 EE_{30}	17.4	X	170.16541	358.11363	195.66668	2.95783	0.1159866	0.27390821	2.3481870	21	10 24.0	20.6
289438 2005 EF_{33}	16.0	X	330.85376	183.69747	307.31631	28.96584	0.1549001	0.23224695	2.6212153	21	—	—
289439 2005 EM_{33}	17.9	X	214.23261	107.86618	352.26238	18.69865	0.1222428	0.38917515	1.8579726	21	8 20.0	20.1
289440 2005 EQ_{34}	17.0	X	157.35303	194.27814	324.64587	7.20112	0.1502335	0.26669316	2.3903498	21	8 25.0	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289441 2005 EL_{35}	16.2	X	299.29873	310.94257	266.91619	11.58901	0.2233003	0.23829250	2.5766918	21	—	—
289442 2005 EG_{39}	17.3	X	289.49104	337.63059	162.10781	2.73030	0.0992174	0.28741626	2.2740246	21	—	—
289443 2005 EE_{40}	17.5	X	251.55258	338.08757	161.03615	3.32835	0.1377216	0.28188922	2.3036530	21	11 16.1	20.1
289444 2005 EH_{41}	16.2	X	201.67577	70.65396	103.84846	13.79431	0.1445611	0.21633766	2.7481976	21	10 29.4	20.7
289445 2005 EF_{42}	16.4	X	37.81727	250.37566	139.81204	5.59913	0.1768710	0.23246905	2.6195455	21	—	—
289446 2005 EW_{42}	14.2	X	334.91553	88.72270	151.78122	13.67711	0.1636055	0.12590101	3.9426048	21	4 3.1	19.2
289447 2005 EN_{45}	16.8	X	334.70564	228.99274	326.43171	3.60873	0.0602503	0.24268408	2.5455122	21	1 25.1	20.1
289448 2005 EW_{46}	17.1	X	257.89865	322.28069	227.02367	3.83140	0.0875171	0.28906482	2.2653704	21	—	—
289449 2005 EF_{48}	17.4	X	6.42582	98.76266	335.69067	4.79147	0.1425144	0.29079020	2.2564006	21	—	—
289450 2005 EW_{48}	16.9	X	82.62364	334.27939	173.90859	8.11753	0.1555552	0.25366546	2.4715069	21	5 19.1	20.0
289451 2005 EO_{53}	17.3	X	166.18390	309.38350	153.01209	1.49180	0.1504141	0.26095518	2.4252626	21	6 20.7	21.0
289452 2005 EN_{54}	17.0	X	231.14779	284.10423	345.19031	3.51771	0.2048500	0.23289928	2.6163185	21	—	—
289453 2005 EL_{55}	16.5	X	122.24182	197.31531	170.58545	10.19531	0.2114211	0.23651410	2.5895921	21	1 12.6	20.2
289454 2005 EG_{56}	16.5	X	48.44358	32.83309	333.96169	4.21389	0.1399902	0.22368427	2.6876895	21	—	—
289455 2005 EW_{58}	17.2	X	152.38844	246.56015	352.90056	8.93866	0.1682744	0.27517617	2.3409681	21	11 29.5	21.1
289456 2005 EL_{60}	17.0	X	134.49813	12.09806	205.10195	3.55193	0.1913087	0.26974546	2.3722836	21	10 18.9	20.8
289457 2005 ER_{60}	17.6	X	308.54744	7.91847	210.68654	3.76160	0.0995348	0.29980323	2.2109479	21	1 1.5	20.4
289458 2005 EB_{61}	15.7	X	4.47311	242.64876	323.65504	8.85257	0.1972411	0.18559058	3.0439121	21	3 21.4	19.0
289459 2005 ET_{63}	17.6	X	178.34982	337.42255	158.70291	3.06138	0.1235504	0.26759806	2.3849581	21	8 16.5	21.0
289460 2005 EY_{63}	16.7	X	264.32736	217.01078	166.81836	2.87146	0.0804871	0.20317235	2.8656709	21	6 29.8	20.7
289461 2005 EZ_{63}	17.7	X	67.50492	74.04664	170.88204	1.32464	0.1498701	0.26358522	2.4091029	21	9 9.9	20.7
289462 2005 EB_{66}	16.9	X	239.33008	243.35227	351.55797	3.74555	0.1970484	0.22929601	2.6436566	21	—	—
289463 2005 EJ_{66}	15.7	X	75.28163	92.49497	126.91900	16.91897	0.2170159	0.19755180	2.9197706	21	8 23.9	19.9
289464 2005 EW_{66}	17.9	X	145.12448	90.42264	356.36246	1.23262	0.1524825	0.25496432	2.4631061	21	5 9.7	21.5
289465 2005 EC_{68}	14.9	X	344.53277	232.19437	326.56660	15.56963	0.1607800	0.18132386	3.0914774	21	2 12.5	18.7
289466 2005 EK_{68}	16.3	X	326.71890	221.88687	320.94728	7.32752	0.1190318	0.23700047	2.5860480	21	—	—
289467 2005 EU_{68}	17.1	X	133.82895	230.92742	291.94976	2.78628	0.1199969	0.26191832	2.4193134	21	8 4.4	20.4
289468 2005 EH_{69}	17.4	X	277.20694	305.03214	196.23377	7.92624	0.1332498	0.28373327	2.2936609	21	12 31.1	19.8
289469 2005 EU_{69}	17.8	X	188.44601	118.37755	315.53350	17.29620	0.0836182	0.38020430	1.8870846	21	5 28.8	20.4
289470 2005 ER_{72}	16.8	X	276.51666	48.99508	79.46017	7.23039	0.0404983	0.28276048	2.2989185	21	12 22.2	19.2
289471 2005 EA_{73}	17.2	X	227.89110	126.39400	65.63323	4.21656	0.0664740	0.28435729	2.2903040	21	—	—
289472 2005 ER_{73}	17.5	X	61.24125	319.74839	122.06928	4.31129	0.0988356	0.29955962	2.2121464	21	—	—
289473 2005 EJ_{75}	16.8	X	246.33827	332.03795	173.49455	7.54362	0.0975693	0.21855522	2.7295764	21	11 13.3	20.5
289474 2005 EV_{75}	16.6	X	135.41740	320.05878	185.02972	1.67728	0.0231990	0.19910077	2.9046073	21	7 4.0	20.8
289475 2005 EH_{78}	16.5	X	246.44637	193.32376	38.03327	5.07759	0.1467286	0.23087066	2.6316222	21	—	—
289476 2005 EV_{78}	17.1	X	47.25137	57.99820	138.92798	5.17128	0.1197444	0.25310172	2.4751754	21	5 25.6	19.8
289477 2005 EN_{79}	16.5	X	254.00731	84.84224	104.13491	7.12273	0.1415704	0.28609064	2.2810438	21	—	—
289478 2005 EL_{80}	17.0	X	152.58525	0.99773	158.75709	8.97953	0.2000524	0.26458549	2.4030273	21	8 22.6	21.0
289479 2005 EG_{83}	17.2	X	131.81605	30.77478	196.35433	0.94157	0.1393775	0.27055680	2.3675386	21	10 27.6	20.7
289480 2005 EH_{83}	16.5	X	77.77829	269.60584	175.29518	15.03134	0.0701897	0.24057911	2.5603388	21	1 28.4	19.8
289481 2005 EL_{83}	17.4	X	196.19112	107.69561	174.49014	6.52066	0.1775174	0.28875123	2.2670103	21	—	—
289482 2005 EK_{84}	16.4	X	306.34685	163.62372	345.62351	11.36124	0.1213674	0.23239129	2.6201299	21	—	—
289483 2005 EK_{87}	17.9	X	312.64114	266.59223	357.48658	6.31560	0.2396905	0.24390816	2.5369885	21	2 27.8	21.1
289484 2005 EB_{88}	15.9	X	210.47049	258.06541	229.31061	8.15308	0.1200688	0.21086402	2.7955530	21	9 1.4	20.4
289485 2005 EB_{90}	17.1	X	155.44379	31.07777	132.46806	2.29067	0.1258428	0.26666135	2.3905399	21	8 29.7	20.6
289486 2005 EH_{92}	16.5	X	126.91379	52.26194	182.45305	8.11240	0.1644794	0.20953724	2.8073415	21	10 28.2	21.0
289487 2005 EX_{96}	16.2	X	327.42054	213.61022	284.10974	9.46936	0.1779576	0.23401859	2.6079693	21	—	—
289488 2005 EB_{101}	16.2	X	221.61799	213.02005	18.16248	12.78005	0.2017649	0.22483846	2.6784835	21	—	—
289489 2005 EH_{105}	17.2	X	4.28962	256.51719	131.53346	5.91996	0.1098319	0.28587438	2.2821940	21	12 24.6	19.5
289490 2005 EC_{107}	16.0	X	242.94711	332.55159	222.98427	8.87749	0.1122461	0.22727713	2.6592891	21	—	—
289491 2005 EF_{109}	15.6	X	78.34317	194.99185	287.23560	10.26747	0.0800679	0.18848230	3.0126985	21	3 25.9	19.9
289492 2005 EK_{110}	15.6	X	357.92392	218.14531	19.55581	7.14079	0.2391138	0.18932235	3.0037800	21	4 20.1	18.4
289493 2005 EN_{112}	16.8	X	315.63150	5.34131	127.42124	3.53544	0.1548502	0.22856194	2.6493140	21	—	—
289494 2005 EO_{116}	17.7	X	89.44036	115.53206	170.18139	6.15818	0.1012007	0.27297745	2.3535216	21	11 26.3	21.0
289495 2005 EG_{120}	17.1	X	65.93324	31.53945	195.20844	7.53484	0.0952892	0.26051724	2.4279798	21	8 1.2	20.2
289496 2005 ES_{127}	17.0	X	249.07260	251.32818	167.64441	6.20435	0.0403258	0.20877409	2.8141785	21	7 31.6	21.0
289497 2005 EU_{128}	17.2	X	287.11249	303.72343	149.29709	5.95877	0.1171801	0.28029157	2.3123986	21	11 11.5	19.6
289498 2005 EY_{128}	17.2	X	328.77712	125.98921	293.87520	1.45035	0.1483708	0.28057678	2.3108312	21	12 9.6	19.1
289499 2005 EC_{131}	16.5	X	335.64882	32.49839	309.89057	3.44208	0.0795905	0.20937890	2.8087566	21	8 17.0	19.8
289500 2005 ED_{132}	16.3	X	166.51467	93.74557	108.36369	10.94860	0.1656232	0.21450046	2.7638675	21	10 27.8	21.0
289501 2005 EJ_{133}	12.7	X	290.74484	0.14011	357.45271	26.80637	0.0495278	0.08222769	5.2374996	21	7 11.6	19.9
289502 2005 EL_{133}	16.3	X	288.24666	135.20000	20.44970	9.97821	0.0518818	0.22910157	2.6451522	21	—	—
289503 2005 EO_{134}	16.0	X	200.21549	154.09949	167.95063	12.22817	0.1347317	0.18016577	3.1047111	21	2 4.2	21.2
289504 2005 ED_{137}	17.6	X	299.10127	331.29259	164.68798	2.23328	0.0534302	0.28363123	2.2942110	21	—	—
289505 2005 ES_{137}	17.4	X	358.34855	49.95252	106.53699	6.04965	0.1067349	0.29967622	2.2115726	21	—	—
289506 2005 EA_{143}	17.0	X	199.56523	77.41648	105.51823	3.62336	0.0990173	0.27496210	2.3421830	21	11 13.2	20.1
289507 2005 EF_{151}	16.9	X	327.58519	354.01187	139.11095	4.45059	0.0712714	0.22777503	2.6554124	21	—	—
289508 2005 EJ_{153}	16.6	X	152.38741	177.75216	48.94911	20.52077	0.2155459	0.21357535	2.7718430	21	11 9.3	21.4
289509 2005 ES_{154}	17.5	X	69.01938	230.03484	41.28916	1.71257	0.1968888	0.26365811	2.4086588	21	10 24.4	20.6
289510 2005 EN_{160}	17.7	X	149.85769	113.86175	127.07087	1.89974	0.1586237	0.27370503	2.3493490	21	12 1.4	21.5
289511 2005 EV_{161}	17.8	X	268.02404	45.12622	118.25719	1.83649	0.1480345	0.28385727	2.2929929	21	—	—
289512 2005 EJ_{162}	16.6	X	79.02956	28.56006	123.46014	1.37822	0.1340625	0.19117016	2.9843928	21	5 18.4	20.4
289513 2005 EO_{162}	17.3	X	158.64368	99.94182	22.54357	3.25655	0.1845550	0.20100049	2.8862767	21	7 11.1	22.1
289514 2005 ES_{170}	16.3	X	346.17540	264.57811	254.83827	8.14780	0.1204326	0.23877911	2.5731899	21	—	—
289515 2005 EC_{174}	17.6	X	112.05107	292.11127	200.91626	5.87004	0.0980094	0.25444828	2.4664351	21	5 27.9	20.8
289516 2005 EN_{174}	16.4	X	79.62673	303.98038	189.47929	10.61388	0.0259463	0.24806054	2.5085971	21	4 2.4	19.5
289517 2005 ES_{175}	15.8	X	160.85077	52.55634	347.11976	9.05116	0.0497663	0.18524646	3.0476805	21	3 24.2	20.3
289518 2005 ES_{178}	17.8	X	274.37346	347.22969	228.53998	2.48132	0.1501978	0.29347318	2.2426273	21	—	—
289519 2005 ED_{179}	15.7	X	112.60479	6.25373	347.28649	14.00878	0.1630744	0.23055874	2.6339953	21	—	—
289520 2005 EF_{179}	16.3	X	123.79570	257.67842	190.49405	2.57523	0.1077754	0.18984017	2.9983154	21	4 18.8	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289521 2005 EY_{181}	17.0	X	102.68045	158.55061	75.78752	4.41426	0.1808290	0.26687307	2.3892754	21	10 12.5	20.7
289522 2005 EK_{186}	16.3	X	215.75562	154.22202	111.93803	3.94716	0.1473604	0.22976297	2.6400736	21	—	—
289523 2005 EL_{186}	16.2	X	240.95140	352.13611	153.79833	12.05240	0.1442490	0.21809301	2.7334316	21	11 2.6	20.2
289524 2005 EX_{186}	17.4	X	346.97790	264.17243	309.55325	1.09169	0.0958800	0.24302186	2.5431530	21	3 2.7	20.3
289525 2005 EZ_{189}	16.6	X	359.01468	281.95559	174.76591	3.90822	0.1760221	0.23566969	2.5957741	21	—	—
289526 2005 EV_{191}	17.6	X	209.13323	186.90214	287.06087	2.06006	0.1109610	0.26875904	2.3780847	21	8 20.6	21.0
289527 2005 EJ_{192}	17.7	X	50.60715	138.17369	292.18683	1.62568	0.1452913	0.29640624	2.2278083	21	—	—
289528 2005 EQ_{194}	16.4	X	81.66389	59.77712	183.29809	10.73809	0.0839477	0.20406656	2.8572932	21	9 9.6	20.4
289529 2005 EP_{196}	17.0	X	317.14477	72.16342	107.48338	2.23264	0.2217588	0.23403577	2.6078417	21	—	—
289530 2005 EY_{199}	16.8	X	269.46972	12.26947	35.72188	7.25330	0.1174349	0.26991666	2.3712805	21	8 8.1	19.8
289531 2005 EE_{200}	17.8	X	299.65394	239.44281	289.43615	1.99698	0.1081174	0.28991569	2.2609358	21	—	—
289532 2005 EJ_{203}	15.8	X	268.78336	351.17889	333.12467	11.32249	0.0499084	0.19728396	2.9224126	21	4 18.2	20.1
289533 2005 EL_{204}	16.1	X	58.65905	302.72455	171.05210	9.90622	0.2319746	0.18347256	3.0672933	21	3 12.7	19.4
289534 2005 EU_{207}	17.2	X	114.00762	295.78948	269.99302	1.42332	0.1456628	0.26456239	2.4031672	21	9 10.9	20.8
289535 2005 ET_{208}	17.5	X	146.29027	315.32471	325.84474	4.20249	0.1675742	0.28225064	2.3016861	21	—	—
289536 2005 EW_{208}	17.1	X	160.66786	354.46432	255.50211	1.41998	0.1349282	0.21980732	2.7192008	21	12 14.7	21.3
289537 2005 EM_{210}	17.3	X	196.73322	43.99544	180.66968	3.03774	0.1760518	0.28059992	2.3107042	21	12 25.3	20.6
289538 2005 EX_{211}	17.0	X	292.76457	241.55605	1.99201	4.66247	0.0952577	0.24052573	2.5607176	21	1 29.6	20.5
289539 2005 EF_{212}	14.8	X	23.00468	41.12072	138.21698	6.01202	0.1450092	0.12668315	3.9263602	21	4 7.0	19.6
289540 2005 EM_{213}	17.2	X	302.12572	143.72418	10.32872	2.41931	0.1185548	0.22861391	2.6489125	21	—	—
289541 2005 EW_{214}	16.5	X	270.64591	125.71902	106.39800	3.36557	0.0921795	0.23531218	2.5984026	21	—	—
289542 2005 EC_{217}	17.0	X	49.07798	65.25157	38.26108	8.47191	0.0449063	0.30164050	2.2019610	21	—	—
289543 2005 EO_{222}	16.2	X	193.25613	172.84285	41.53078	8.65699	0.0821922	0.22018602	2.7160821	21	12 6.6	20.2
289544 2005 EC_{225}	15.4	X	254.71193	181.55822	20.61366	33.69482	0.1474182	0.23191062	2.6237490	21	—	—
289545 2005 EW_{225}	16.2	X	307.24276	137.89028	96.73953	12.25641	0.1548674	0.24269210	2.5454562	21	1 26.9	19.7
289546 2005 EZ_{226}	16.9	X	152.57402	314.97073	354.03171	3.34785	0.2111162	0.22585209	2.6704634	21	—	—
289547 2005 EG_{227}	17.5	X	31.89075	263.90306	350.78800	0.90478	0.1618405	0.25716463	2.4490363	21	7 29.9	19.8
289548 2005 EL_{230}	18.1	X	353.83104	231.18290	356.58384	5.70186	0.1293615	0.30973719	2.1634182	21	3 17.5	19.6
289549 2005 EM_{231}	17.3	X	141.74707	358.84267	26.30997	2.25257	0.0506167	0.24263999	2.5458206	21	2 5.7	20.6
289550 2005 EC_{232}	17.6	X	319.61709	254.76248	38.27840	1.94323	0.1779451	0.25316495	2.4747633	21	4 26.1	20.0
289551 2005 EW_{233}	16.8	X	72.32788	129.52662	105.54141	8.85556	0.2100595	0.26018309	2.4300582	21	9 15.7	20.2
289552 2005 EW_{237}	16.5	X	3.13351	338.95915	143.00801	3.48949	0.0491745	0.23383076	2.6093658	21	—	—
289553 2005 EE_{241}	15.9	X	74.75402	175.46788	30.18096	8.36002	0.1587080	0.19874278	2.9080943	21	7 28.7	20.0
289554 2005 EM_{248}	17.7	X	244.96141	81.32712	15.30363	1.36272	0.1416766	0.27145130	2.3623347	21	9 6.2	20.7
289555 2005 EF_{250}	16.5	X	197.21734	351.59428	185.25006	9.52168	0.1460720	0.21181788	2.7871541	21	10 22.3	21.0
289556 2005 EW_{251}	16.9	X	330.08604	150.44312	300.77702	0.81314	0.0543375	0.22122703	2.7075548	21	—	—
289557 2005 EO_{262}	17.0	X	346.93162	329.44590	118.25404	5.48439	0.1230081	0.28806248	2.2706224	21	—	—
289558 2005 ES_{265}	16.2	X	54.99402	66.27684	196.03489	11.91573	0.1268105	0.20133859	2.8830446	21	9 4.3	20.1
289559 2005 EP_{266}	16.5	X	112.95341	112.53570	193.33765	8.64449	0.1670476	0.21605028	2.7506341	21	—	—
289560 2005 EF_{267}	15.8	X	60.65498	229.81162	204.26224	14.93290	0.1964051	0.17478237	3.1681395	21	1 17.1	19.7
289561 2005 EW_{268}	16.9	X	4.30465	118.03212	339.45208	3.49556	0.0461045	0.22778961	2.6552991	21	—	—
289562 2005 EU_{269}	16.7	X	134.31212	282.43785	271.63517	8.96222	0.1311914	0.26549448	2.3975392	21	9 11.5	20.6
289563 2005 EF_{270}	16.7	X	166.67439	4.78384	117.46448	8.01012	0.0612988	0.25950027	2.4343191	21	7 15.3	19.8
289564 2005 EL_{272}	14.8	X	329.47732	195.01788	52.28398	3.55487	0.1485568	0.12501008	3.9613148	21	4 2.9	19.9
289565 2005 EB_{281}	16.5	X	331.20275	210.54693	94.79146	10.56193	0.0423828	0.25738626	2.4476302	21	6 22.1	19.4
289566 2005 EE_{283}	15.5	X	357.37613	146.32608	21.25946	10.27978	0.0612612	0.17885785	3.1198284	21	2 7.1	19.8
289567 2005 EL_{289}	17.0	X	208.27887	126.13800	92.34768	6.23383	0.1084258	0.28461811	2.2889046	21	—	—
289568 2005 EN_{290}	15.8	X	279.33454	104.04069	323.63088	8.26078	0.0667956	0.21304372	2.7764523	21	9 16.2	19.5
289569 2005 EY_{290}	16.2	X	160.62773	154.94086	82.26977	7.82095	0.1571824	0.21551665	2.7551727	21	11 29.2	20.7
289570 2005 EE_{291}	17.0	X	316.55558	12.85436	134.47955	6.50246	0.0729544	0.28935716	2.2638444	21	—	—
289571 2005 EN_{291}	17.0	X	98.22367	124.37336	154.76670	7.63591	0.2127674	0.27343499	2.3508955	21	12 5.4	20.9
289572 2005 EJ_{292}	16.3	X	324.32026	44.27251	104.73368	4.95019	0.1467475	0.23057820	2.6338471	21	—	—
289573 2005 EF_{307}	16.6	X	100.15907	169.43845	166.43679	14.61017	0.1374877	0.22625467	2.6672948	21	—	—
289574 2005 EX_{309}	16.6	X	208.83801	0.31265	345.02114	0.79362	0.1104138	0.24298635	2.5434008	21	3 5.4	20.5
289575 2005 EC_{312}	17.4	X	54.70406	230.94837	28.74920	3.08706	0.1427679	0.26378357	2.4078951	21	9 12.9	20.3
289576 2005 ES_{312}	16.9	X	65.83723	339.61272	338.23907	6.36093	0.2312192	0.27461797	2.3441393	21	12 24.6	20.5
289577 2005 EX_{315}	16.7	X	142.06334	21.80478	0.89897	17.57683	0.1981706	0.24199466	2.5503446	21	2 25.8	20.7
289578 2005 ET_{317}	16.8	X	125.93503	263.16563	354.21550	4.67032	0.0371358	0.21440072	2.7647247	21	11 14.9	20.7
289579 2005 EN_{323}	16.6	X	342.42806	268.63631	157.58852	7.78614	0.2841788	0.22789671	2.6544671	21	—	—
289580 2005 ER_{324}	16.0	X	340.69404	275.56694	25.75604	13.74891	0.3715367	0.18904336	3.0067346	21	5 20.4	18.7
289581 2005 EN_{325}	17.2	X	19.08213	101.31146	16.02784	5.29855	0.2657107	0.23825692	2.5769483	21	—	—
289582 2005 FO_{1}	17.7	X	275.76879	309.23423	170.58545	5.73240	0.1773682	0.28108983	2.3080185	21	11 21.5	20.0
289583 2005 FW_{2}	17.4	X	318.07836	186.54312	42.34844	6.75012	0.0715021	0.30305576	2.1951002	21	2 4.0	20.1
289584 2005 FF_{4}	15.3	X	35.94637	126.53790	330.22168	9.35455	0.0542246	0.17370648	3.1812078	21	1 2.9	19.6
289585 2005 FG_{4}	17.1	X	98.04265	104.39707	118.77507	3.56313	0.1623194	0.26364584	2.4087336	21	9 20.8	20.6
289586 Shackleton	17.3	X	168.78319	352.14859	184.07951	2.11848	0.1339879	0.26953963	2.3734912	21	9 28.6	20.9
289587 Chantdugros	17.5	X	231.54595	197.01434	23.89221	3.08020	0.1844964	0.28394848	2.2925018	21	—	—
289588 2005 FL_{5}	17.3	X	116.41439	235.92821	10.69544	5.72986	0.0813081	0.27306603	2.3530127	21	11 1.5	20.7
289589 2005 FM_{6}	16.7	X	272.20264	216.23748	41.91839	12.62376	0.2360952	0.23565682	2.5958686	21	1 14.1	21.2
289590 2005 FJ_{11}	15.7	X	147.74749	113.68445	86.54432	10.45237	0.0516035	0.20416672	2.8563587	21	10 6.2	20.0
289591 2005 FC_{13}	16.3	X	145.48083	179.25183	99.21594	9.72150	0.2720764	0.21550525	2.7552699	21	—	—
289592 2005 FY_{14}	15.8	X	10.77985	151.40112	47.72367	5.61382	0.1126894	0.18466353	3.0540909	21	4 2.3	19.4
289593 2005 GU_{2}	17.4	X	210.57607	149.47236	34.57798	2.86273	0.1338410	0.27684212	2.3315672	21	11 22.1	20.4
289594 2005 GW_{2}	17.3	X	128.59924	26.15297	193.47967	5.44033	0.1659767	0.26659280	2.3909497	21	10 15.9	20.9
289595 2005 GK_{5}	17.2	X	184.48171	122.41375	77.20964	4.98294	0.0920779	0.27308936	2.3528787	21	11 17.7	20.4
289596 2005 GM_{5}	16.0	X	121.30646	281.74119	180.64391	9.92471	0.0688389	0.18632675	3.0358892	21	4 30.8	20.4
289597 2005 GT_{5}	17.0	X	61.43682	73.47001	131.95595	3.24532	0.1294587	0.25325019	2.4742079	21	7 1.8	19.8
289598 2005 GX_{6}	16.6	X	101.84124	200.10721	41.35538	8.99936	0.2060529	0.26427086	2.4049342	21	10 21.7	20.4
289599 2005 GH_{9}	15.0	X	29.55535	223.66923	246.13978	23.06282	0.2223487	0.24065761	2.5597820	21	—	—
289600 2005 GR_{9}	15.4	X	289.48370	239.03622	32.79897	11.30361	0.0242844	0.18246470	3.0785779	21	3 23.6	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289601 2005 GJ_{10}	17.3	X	89.93022	158.72949	81.75972	1.65787	0.1538497	0.26376473	2.4080097	21	10 2.9	20.8
289602 2005 GU_{10}	17.3	X	209.40398	54.96352	79.09033	3.37895	0.1247805	0.26938605	2.3743932	21	9 18.4	20.7
289603 2005 GA_{12}	16.9	X	241.72326	62.15167	124.88782	5.63460	0.1113291	0.28196464	2.3032422	21	—	—
289604 2005 GF_{17}	18.0	X	84.19363	188.36734	179.81439	6.36487	0.0361239	0.28908747	2.2652521	21	—	—
289605 2005 GZ_{18}	16.6	X	238.93526	278.60082	189.49082	3.72444	0.0563355	0.20886172	2.8133913	21	9 19.6	20.5
289606 2005 GB_{19}	16.0	X	263.01096	135.56946	12.98410	8.78435	0.0455883	0.21948698	2.7218459	21	12 13.7	19.7
289607 2005 GA_{21}	16.8	X	132.73076	197.13186	352.44378	5.09716	0.0401639	0.26379295	2.4078380	21	9 3.7	19.8
289608 Wanli	17.1	X	161.41218	132.58385	54.69734	4.50573	0.0953752	0.26971309	2.3724735	21	10 7.8	20.5
289609 2005 GS_{23}	16.1	X	237.50741	184.49304	45.42189	14.11801	0.1268400	0.22533448	2.6745514	21	—	—
289610 2005 GP_{24}	16.8	X	228.28507	119.50534	165.48674	7.95652	0.2202888	0.23743300	2.5829063	21	1 8.8	21.3
289611 2005 GW_{25}	16.7	X	166.40981	55.99317	193.02496	1.04582	0.0814733	0.21711021	2.7416745	21	12 20.7	20.9
289612 2005 GM_{27}	15.5	X	343.90330	182.82714	24.05999	17.73063	0.1041862	0.17991860	3.1075539	21	3 8.6	19.7
289613 2005 GU_{27}	16.9	X	85.13127	294.67112	275.55906	3.36166	0.1292567	0.25832772	2.4416798	21	8 11.4	20.1
289614 2005 GZ_{27}	16.9	X	99.55230	323.03263	261.14012	3.07795	0.2472519	0.26189741	2.4194422	21	9 28.2	20.8
289615 2005 GX_{28}	17.8	X	169.46015	39.91630	224.40100	1.73076	0.1359677	0.27951561	2.3166762	21	—	—
289616 2005 GP_{30}	17.3	X	100.45360	63.50466	24.96749	13.76288	0.1508052	0.24342424	2.5403497	21	3 25.1	20.6
289617 2005 GY_{30}	16.2	X	77.87064	271.30001	43.01483	3.32786	0.0650048	0.21310443	2.7759250	21	12 3.2	20.0
289618 2005 GE_{32}	17.9	X	298.77144	70.38995	175.37939	10.22979	0.1511809	0.35932003	1.9595143	21	1 7.2	20.5
289619 2005 GO_{34}	15.4	X	282.79636	231.93689	34.99949	10.24467	0.1881934	0.17608774	3.1524628	21	2 18.5	20.3
289620 2005 GK_{38}	17.4	X	191.41919	317.09195	266.98125	3.11021	0.2079307	0.27741020	2.3283831	21	12 15.8	20.9
289621 2005 GC_{46}	16.1	X	246.59332	180.44246	215.35148	1.94894	0.0731276	0.19848232	2.9106378	21	6 24.6	20.4
289622 2005 GU_{46}	16.9	X	152.90264	39.57449	197.41976	2.18103	0.1136585	0.21429417	2.7656410	21	11 22.0	21.1
289623 2005 GD_{49}	16.7	X	227.79112	115.79249	191.84147	7.77824	0.0749777	0.23634217	2.5908478	21	2 5.6	20.6
289624 2005 GS_{51}	16.8	X	75.93825	115.39687	100.12841	5.74846	0.1174065	0.25635089	2.4542163	21	8 6.7	19.8
289625 2005 GY_{52}	17.0	X	182.61388	98.01436	132.95100	0.62519	0.1375843	0.21509891	2.7587387	21	12 11.8	21.4
289626 2005 GZ_{52}	16.3	X	340.72343	126.56306	205.87831	1.75746	0.0930356	0.19637322	2.9314413	21	8 9.8	19.8
289627 2005 GS_{55}	15.6	X	355.89431	294.49526	268.87085	8.88795	0.0315853	0.18223824	3.0811277	21	3 13.9	20.0
289628 2005 GV_{57}	17.3	X	149.07538	37.95061	157.91370	2.40823	0.1582163	0.26710611	2.3878855	21	10 5.1	20.9
289629 2005 GR_{61}	16.5	X	171.32192	86.55316	186.99911	1.83648	0.0490928	0.22308414	2.6925074	21	—	—
289630 2005 GM_{62}	17.3	X	219.62123	261.78588	342.22396	3.86472	0.1323841	0.28915794	2.2648840	21	—	—
289631 2005 GO_{72}	17.8	X	15.68987	24.19800	168.21479	6.00389	0.1195755	0.30606597	2.1806837	21	3 5.7	19.6
289632 2005 GM_{76}	17.1	X	24.22196	32.05709	92.68904	7.63412	0.1094360	0.29713469	2.2241657	21	—	—
289633 2005 GX_{76}	17.6	X	97.57971	181.74568	44.58540	1.68687	0.1368887	0.26227363	2.4171279	21	9 20.6	21.0
289634 2005 GQ_{78}	16.2	X	286.86498	159.63627	106.65363	14.65958	0.1928474	0.23735174	2.5834958	21	2 10.1	20.2
289635 2005 GW_{82}	16.8	X	323.81170	131.48354	357.54569	4.90556	0.0151566	0.22931950	2.6434761	21	—	—
289636 2005 GS_{88}	16.7	X	260.23741	53.19510	202.61287	2.00492	0.1514098	0.23238542	2.6201740	21	1 4.9	20.9
289637 2005 GF_{89}	17.6	X	211.65189	139.35670	188.52511	7.60840	0.1422820	0.23636903	2.5906515	21	2 13.8	21.9
289638 2005 GG_{91}	15.7	X	99.64507	62.76741	3.10863	8.90609	0.0696472	0.17670583	3.1451072	21	2 20.6	20.1
289639 2005 GT_{91}	17.3	X	98.22281	327.51849	290.22339	2.64035	0.1313259	0.26701763	2.3884130	21	10 30.4	20.8
289640 2005 GQ_{92}	16.8	X	3.46074	124.02499	42.81374	14.54397	0.1903729	0.24094709	2.5577314	21	1 15.1	19.8
289641 2005 GS_{92}	16.0	X	298.22815	116.28657	131.06436	2.14596	0.1277554	0.17574060	3.1566128	21	2 15.4	20.3
289642 2005 GQ_{93}	17.4	X	129.13396	12.47181	228.93100	5.57506	0.0823992	0.27023879	2.3693957	21	11 9.9	20.8
289643 2005 GU_{97}	17.5	X	335.95348	325.03345	136.48290	4.55235	0.0961644	0.28321530	2.2964566	21	—	—
289644 2005 GM_{100}	17.6	X	58.01057	347.20557	223.01730	1.81649	0.1417264	0.25664569	2.4523365	21	7 5.3	20.1
289645 2005 GH_{103}	15.2	X	347.43964	120.35664	21.04248	32.56847	0.1710283	0.17272055	3.1933024	21	—	—
289646 2005 GP_{107}	17.5	X	336.62037	316.60439	180.70009	1.30062	0.1520834	0.29154253	2.2525171	21	—	—
289647 2005 GW_{107}	16.9	X	96.38035	351.88745	31.04070	6.22829	0.0824470	0.22913495	2.6448953	21	—	—
289648 2005 GT_{108}	17.4	X	50.02028	108.65294	124.42757	1.98990	0.1289991	0.25453310	2.4658872	21	7 24.1	20.2
289649 2005 GS_{109}	16.7	X	339.65362	280.39606	78.50500	3.05593	0.0885341	0.20255572	2.8714839	21	9 16.7	20.1
289650 2005 GX_{109}	17.7	X	30.80705	261.82416	28.48572	1.51273	0.1174970	0.25942434	2.4347941	21	9 14.0	20.1
289651 2005 GQ_{110}	17.8	X	144.33431	163.29209	13.59106	1.26049	0.1249910	0.26243657	2.4161273	21	9 4.4	21.2
289652 2005 GB_{114}	15.8	X	280.12594	66.66198	76.08531	15.46129	0.1400058	0.22267814	2.6957792	21	12 19.3	19.0
289653 2005 GE_{114}	15.9	X	328.64421	339.63433	183.20109	14.24162	0.1916479	0.23114524	2.6295377	21	—	—
289654 2005 GJ_{116}	17.3	X	231.48722	265.58910	340.98420	1.75133	0.1008536	0.22679182	2.6630815	21	—	—
289655 2005 GV_{116}	17.6	X	148.47752	65.94385	229.96191	1.68401	0.2046539	0.27888925	2.3201436	21	—	—
289656 2005 GW_{117}	15.3	X	281.37281	312.77598	25.77524	16.54533	0.2245024	0.19017962	2.9947465	21	4 30.9	19.8
289657 2005 GF_{118}	17.6	X	26.96298	255.72076	65.73191	2.40969	0.1976476	0.26468572	2.4024206	21	11 5.8	20.1
289658 2005 GW_{118}	17.3	X	130.94199	181.79111	142.76016	3.15417	0.1901859	0.28289367	2.2981968	21	—	—
289659 2005 GN_{120}	16.4	X	236.84699	231.84477	194.77214	1.58595	0.0494982	0.20277552	2.8694084	21	7 25.5	20.3
289660 2005 GO_{123}	15.7	X	322.19735	232.52759	32.45394	14.60898	0.2190344	0.18091754	3.0961044	21	3 30.3	19.6
289661 2005 GY_{124}	14.7	X	35.14485	14.85816	164.36982	2.97851	0.1530540	0.12346508	3.9942934	21	4 26.2	19.5
289662 2005 GC_{127}	16.4	X	219.52037	51.96729	164.82290	3.49576	0.0821933	0.22035345	2.7147061	21	—	—
289663 2005 GP_{127}	17.4	X	125.90810	293.12347	341.95527	2.19326	0.1660108	0.27256573	2.3558911	21	12 21.3	21.2
289664 2005 GV_{127}	15.9	X	286.39348	210.92786	30.70199	15.86800	0.1039165	0.23646658	2.5899390	21	1 22.8	19.9
289665 2005 GG_{128}	16.5	X	116.81877	208.68451	34.96298	11.40272	0.1829027	0.26907230	2.3762387	21	11 4.0	20.1
289666 2005 GV_{131}	17.1	X	137.77740	111.87908	158.02737	2.98829	0.1484716	0.21439506	2.7647733	21	12 16.9	21.6
289667 2005 GF_{133}	16.2	X	50.63858	285.10322	107.87231	3.46852	0.0599816	0.22251293	2.6971135	21	—	—
289668 2005 GN_{137}	18.5	X	40.64484	201.97908	55.55400	2.58461	0.1156805	0.31778182	2.1267512	21	8 17.7	20.3
289669 2005 GS_{137}	16.3	X	39.59395	158.24030	218.24221	12.92403	0.1254382	0.21560106	2.7544536	21	—	—
289670 2005 GF_{139}	16.7	X	345.29976	343.57735	133.71440	3.60352	0.1611036	0.22771037	2.6559150	21	—	—
289671 2005 GT_{141}	16.8	X	326.21282	10.33035	231.91706	4.61686	0.2155083	0.24341150	2.5404383	21	2 17.4	19.9
289672 2005 GH_{143}	16.7	X	90.55774	314.53500	124.23241	5.44999	0.1643903	0.23831977	2.5764952	21	2 26.2	19.6
289673 2005 GO_{143}	16.2	X	314.17851	85.84687	190.69808	15.17093	0.2291874	0.18121750	3.0926869	21	3 26.9	20.4
289674 2005 GZ_{144}	16.1	X	97.58830	298.56421	358.24721	4.35407	0.0461340	0.21355072	2.7720561	21	12 1.9	20.2
289675 2005 GA_{149}	16.3	X	104.03942	150.64718	157.10166	5.63060	0.0494364	0.21423336	2.7661644	21	12 23.9	20.3
289676 2005 GY_{149}	16.0	X	341.74880	135.67447	48.96054	27.87878	0.1268237	0.17458295	3.1705516	21	2 6.2	20.7
289677 2005 GD_{150}	15.8	X	306.90195	95.00404	136.22345	5.12339	0.1138860	0.17456803	3.1707323	21	2 8.4	20.1
289678 2005 GM_{150}	17.2	X	250.64620	90.95224	75.93011	5.67101	0.0653511	0.27789971	2.3256480	21	—	—
289679 2005 GN_{150}	16.6	X	98.22449	51.49080	122.45845	3.87135	0.1462021	0.19285948	2.9669397	21	7 11.6	20.9
289680 2005 GX_{150}	16.6	X	261.82670	45.01238	109.62563	3.50037	0.0934099	0.21753357	2.7381161	21	12 13.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289681 2005 GW_{156}	16.2	X	26.96912	319.29362	57.94140	5.90925	0.1753218	0.21326241	2.7745539	21	—	—
289682 2005 GG_{157}	16.2	X	131.59970	218.30029	34.53998	7.23117	0.0965462	0.21175652	2.7876924	21	11 18.2	20.5
289683 2005 GW_{158}	16.7	X	109.79899	238.72910	297.04483	3.65129	0.1162987	0.25717895	2.4489454	21	7 24.9	20.2
289684 2005 GH_{161}	16.0	X	70.86602	34.91124	129.34866	7.84700	0.1296053	0.18909906	3.0061442	21	5 24.2	20.0
289685 2005 GV_{161}	16.5	X	241.23427	90.81713	133.31812	7.76233	0.2196718	0.22530939	2.6747500	21	—	—
289686 2005 GZ_{162}	16.1	X	46.80749	237.23823	186.93910	21.76621	0.0637806	0.22820703	2.6520601	21	—	—
289687 2005 GE_{164}	17.4	X	227.87485	342.51810	345.61950	1.02592	0.0651974	0.23920331	2.5701468	21	3 5.3	21.1
289688 2005 GC_{165}	15.9	X	58.91608	307.41528	217.74377	8.63053	0.0454832	0.18461455	3.0546310	21	4 25.0	20.1
289689 2005 GW_{166}	16.7	X	11.19412	286.74511	37.77633	2.30700	0.1256350	0.20102321	2.8860593	21	9 23.2	19.9
289690 2005 GE_{167}	17.7	X	116.66259	85.61350	197.02182	1.75606	0.2012938	0.27019133	2.3696731	21	12 22.9	21.4
289691 2005 GH_{167}	17.3	X	136.71756	83.09794	216.17580	4.81116	0.2535590	0.27482776	2.3429462	21	—	—
289692 2005 GT_{167}	17.6	X	209.85190	131.47027	42.70311	2.78292	0.1559110	0.27288978	2.3540257	21	11 5.7	20.9
289693 2005 GY_{170}	16.6	X	160.82510	324.51230	245.90240	2.51217	0.0342847	0.20968601	2.8060134	21	10 28.1	20.6
289694 2005 GG_{175}	16.0	X	277.63398	277.20791	30.90527	10.75017	0.1030514	0.18249154	3.0782760	21	4 9.7	20.4
289695 2005 GF_{176}	15.8	X	271.57475	305.38219	204.42279	24.85580	0.1271652	0.21870240	2.7283517	21	12 15.1	19.7
289696 2005 GS_{177}	16.8	X	342.55723	312.33404	1.13246	0.58203	0.0586038	0.19599438	2.9352177	21	7 20.0	20.5
289697 2005 GG_{180}	16.0	X	24.51228	59.87325	109.73612	29.09553	0.1524360	0.24068800	2.5595665	21	3 13.8	19.2
289698 2005 GL_{181}	16.5	X	201.95972	182.72293	70.84121	3.41264	0.0432046	0.22427721	2.6829502	21	—	—
289699 2005 GP_{203}	17.1	X	119.63832	112.90066	154.84471	3.20833	0.1400700	0.21336541	2.7736610	21	11 28.3	21.5
289700 2005 GF_{204}	18.1	X	319.51662	129.26695	163.19397	3.37334	0.1593197	0.31049850	2.1598805	21	4 22.7	20.2
289701 2005 GP_{205}	16.7	X	15.15653	54.81374	95.18920	2.79484	0.0580334	0.23523351	2.5989819	21	1 24.9	19.9
289702 2005 GR_{206}	16.1	X	14.53548	164.26951	209.99558	8.62206	0.0621633	0.21072264	2.7968033	21	11 27.8	19.7
289703 2005 GU_{223}	17.2	X	111.09927	103.15443	143.17161	2.63559	0.1707833	0.26618249	2.3934061	21	11 2.9	20.8
289704 2005 GB_{224}	17.4	X	116.66036	1.34452	240.69470	5.35024	0.1917026	0.26656887	2.3910928	21	11 2.1	21.1
289705 2005 GZ_{225}	17.8	X	223.56360	295.00112	212.75007	0.54426	0.1277500	0.27112937	2.3642043	21	10 20.8	21.0
289706 2005 GF_{227}	16.3	X	31.76696	181.96946	11.91888	7.90269	0.1652862	0.24514652	2.5284376	21	4 22.1	18.6
289707 2005 GY_{227}	15.5	X	280.25218	155.04524	127.19849	12.14109	0.0367794	0.17817059	3.1278460	21	3 24.4	20.1
289708 2005 HN	16.9	X	39.30790	133.55030	347.49778	3.36672	0.0980593	0.23660076	2.5889597	21	1 22.5	19.7
289709 2005 HP_{2}	17.0	X	212.28794	35.31808	222.59243	2.97698	0.0229545	0.22429879	2.6827782	21	—	—
289710 2005 HX_{6}	17.3	X	96.24511	40.79033	202.10754	5.78223	0.0801773	0.26617854	2.3934298	21	10 3.7	20.3
289711 2005 HV_{7}	16.9	X	159.15224	177.94944	101.44101	5.16358	0.0956895	0.27898284	2.3196247	21	—	—
289712 2005 HP_{10}	15.1	X	30.42875	346.43489	203.61813	16.29240	0.1161979	0.18233789	3.0800051	21	4 22.2	18.8
289713 2005 JE	16.4	X	15.15909	260.47018	305.03175	5.02799	0.0719085	0.24356458	2.5393738	21	4 5.3	19.5
289714 2005 JJ_{2}	17.5	X	126.52075	312.54019	224.57547	0.62863	0.1320433	0.26154462	2.4216174	21	8 16.5	20.9
289715 2005 JZ_{2}	17.5	X	62.13032	186.95647	57.33082	2.24850	0.1477342	0.25669555	2.4520190	21	9 1.9	20.5
289716 2005 JZ_{3}	17.3	X	172.12487	175.11157	58.19106	6.09976	0.1549070	0.27679392	2.3318379	21	12 12.6	20.7
289717 2005 JP_{4}	16.7	X	192.62253	77.50474	144.93564	11.38730	0.2374272	0.21463566	2.7627068	21	12 6.1	21.5
289718 2005 JB_{5}	14.8	X	245.36204	219.94019	92.21982	29.49306	0.2699784	0.17163828	3.2067119	21	3 10.3	20.8
289719 2005 JK_{8}	17.4	X	283.01544	78.98566	204.55224	2.17082	0.0297046	0.24251817	2.5466730	21	3 16.8	20.9
289720 2005 JE_{11}	17.7	X	61.28256	235.93183	38.64908	3.53386	0.1706525	0.26165551	2.4209331	21	10 15.9	20.7
289721 2005 JE_{13}	17.4	X	22.94091	345.73759	50.77804	3.76368	0.1853455	0.27875592	2.3208834	21	—	—
289722 2005 JE_{16}	15.3	X	340.98032	161.37972	76.30040	10.66758	0.0412250	0.18259814	3.0770778	21	4 15.1	19.6
289723 2005 JE_{17}	16.8	X	100.35940	82.06485	224.44303	6.73317	0.2935403	0.26909512	2.3761043	21	—	—
289724 2005 JG_{17}	16.0	X	210.28529	269.81177	41.22988	14.73667	0.1290381	0.23070904	2.6328511	21	1 30.8	20.4
289725 2005 JR_{17}	16.9	X	61.71245	132.31245	154.69176	6.81730	0.1315023	0.26223157	2.4173863	21	10 29.4	20.1
289726 2005 JV_{17}	16.9	X	124.16821	344.79759	356.24571	0.25909	0.0654255	0.22300985	2.6931054	21	—	—
289727 2005 JE_{21}	16.3	X	281.60548	54.79073	172.09472	13.48443	0.2161206	0.23017451	2.6369257	21	—	—
289728 2005 JY_{21}	16.1	X	358.55078	330.81448	218.52259	28.17319	0.0641676	0.23950544	2.5679849	21	2 10.2	20.0
289729 2005 JV_{23}	17.3	X	7.15429	244.20862	56.34634	7.41536	0.1205637	0.25560284	2.4590023	21	8 20.8	19.9
289730 2005 JV_{24}	17.3	X	85.06061	158.22107	67.09838	2.11766	0.1414979	0.25816424	2.4427105	21	9 5.1	20.5
289731 2005 JC_{27}	17.1	X	258.92291	131.68404	199.63676	9.58015	0.2475523	0.23880397	2.5730113	21	3 27.0	21.2
289732 2005 JM_{28}	16.9	X	230.78457	103.56645	157.35353	8.16761	0.2640011	0.22449469	2.6812172	21	—	—
289733 2005 JX_{28}	16.6	X	73.41118	31.84791	183.84373	9.72597	0.0842820	0.19214804	2.9742587	21	7 23.7	20.9
289734 2005 JB_{29}	13.5	X	178.54252	344.68168	209.71214	20.73494	0.0245403	0.08413485	5.1580487	21	10 13.8	20.4
289735 2005 JH_{29}	15.7	X	358.11900	17.26312	186.82408	11.54855	0.0355168	0.17747684	3.1359919	21	3 22.6	19.9
289736 2005 JL_{30}	18.2	X	310.73171	198.16370	84.72139	4.49764	0.1336699	0.30411810	2.1899853	21	4 1.1	20.6
289737 2005 JE_{33}	16.5	X	90.67261	64.99036	215.12958	0.99128	0.0270908	0.20677991	2.8322428	21	10 31.6	20.5
289738 2005 JU_{35}	16.8	X	263.15171	211.57602	117.37392	5.88574	0.2264827	0.23868078	2.5738965	21	4 2.4	20.9
289739 2005 JX_{35}	17.7	X	128.20487	91.34336	189.58161	5.90196	0.2589432	0.27033196	2.3688512	21	12 30.1	22.0
289740 2005 JA_{37}	16.1	X	167.21019	198.83864	112.55116	15.70457	0.1017473	0.22169675	2.7037290	21	—	—
289741 2005 JF_{37}	17.1	X	114.95405	234.40458	226.84110	19.37806	0.1087267	0.36623869	1.9347576	21	3 31.5	19.2
289742 2005 JN_{42}	15.4	X	327.43630	242.77663	42.79469	13.95451	0.1318314	0.18600875	3.0393483	21	5 11.2	19.2
289743 2005 JN_{47}	16.5	X	70.18177	345.47916	67.47978	3.82934	0.0708317	0.22684212	2.6626878	21	—	—
289744 2005 JO_{49}	16.1	X	154.92773	179.18657	113.65939	3.76752	0.0736814	0.21922766	2.7239919	21	—	—
289745 2005 JT_{52}	15.8	X	337.21892	178.08069	83.77449	10.97495	0.0710794	0.18405637	3.0608037	21	5 6.5	19.8
289746 2005 JT_{53}	16.5	X	273.18386	285.94099	198.31331	12.39921	0.0642018	0.21284331	2.7781949	21	11 24.8	20.2
289747 2005 JN_{56}	16.3	X	195.69598	82.60882	156.98593	12.20889	0.0181525	0.21662461	2.7457702	21	—	—
289748 2005 JB_{58}	17.8	X	156.07697	189.09891	17.36383	1.58810	0.1299161	0.26797358	2.3827294	21	10 24.4	21.2
289749 2005 JQ_{58}	16.3	X	312.16730	28.19603	57.88694	3.68602	0.0522804	0.21645857	2.7471741	21	11 30.9	19.8
289750 2005 JH_{60}	16.7	X	352.24703	168.06904	147.00337	5.62212	0.1217375	0.19389855	2.9563307	21	8 4.9	19.9
289751 2005 JB_{61}	16.7	X	330.75288	354.32302	198.79832	10.02031	0.0748029	0.23255821	2.6188760	21	1 14.3	20.4
289752 2005 JX_{62}	17.2	X	223.31268	31.32165	47.22423	3.63102	0.1354987	0.25701790	2.4499683	21	7 18.6	20.8
289753 2005 JL_{63}	17.0	X	259.90734	159.31389	89.97169	24.19450	0.0521114	0.35289028	1.9832445	21	—	—
289754 2005 JG_{65}	16.1	X	304.59509	269.77421	263.70059	10.31539	0.1385107	0.22965360	2.6409117	21	—	—
289755 2005 JP_{66}	16.2	X	185.87709	328.45624	253.55147	7.93064	0.1494600	0.21414486	2.7669264	21	12 3.3	20.4
289756 2005 JF_{69}	15.5	X	296.02401	240.18948	100.03551	28.49063	0.1488748	0.18676276	3.0311623	21	6 9.4	19.8
289757 2005 JB_{73}	16.9	X	42.04314	301.68047	145.35716	2.43125	0.0641688	0.22794958	2.6540566	21	—	—
289758 2005 JW_{73}	15.6	X	350.08692	144.57492	63.52351	10.56973	0.0458021	0.17799030	3.1299578	21	3 22.2	19.9
289759 2005 JG_{75}	16.9	X	176.15342	44.41348	236.47411	12.38656	0.2571161	0.27887771	2.3202076	21	—	—
289760 2005 JH_{75}	15.3	X	65.24216	308.53688	248.93402	7.82468	0.1515002	0.18966799	3.0001296	21	6 29.9	19.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289761 2005 JK_{75}	16.9	X	252.21145	61.09529	174.69691	3.46815	0.1257390	0.23019834	2.6367437	21	—	—
289762 2005 JN_{75}	16.1	X	157.57386	129.64857	99.04954	11.12881	0.1547801	0.21128437	2.7918439	21	11 18.3	20.8
289763 2005 JC_{76}	17.9	X	209.97135	249.10460	43.47235	4.67091	0.1392246	0.28804260	2.2707269	21	—	—
289764 2005 JT_{77}	17.1	X	82.40091	294.79718	206.14374	5.30997	0.1049856	0.24597303	2.5227703	21	4 29.1	20.0
289765 2005 JX_{81}	16.9	X	306.07397	89.74256	174.76287	11.33167	0.2223897	0.23900878	2.5715411	21	2 20.9	20.6
289766 2005 JA_{82}	16.3	X	174.47998	336.67549	194.08304	11.97154	0.0275088	0.20220758	2.8747788	21	9 23.1	20.3
289767 2005 JY_{82}	17.1	X	57.65192	44.37732	201.89867	7.34739	0.0851115	0.26094300	2.4253380	21	8 14.9	20.1
289768 2005 JQ_{83}	17.1	X	115.14066	29.92122	204.12899	5.46708	0.0952518	0.26421558	2.4052696	21	10 15.8	20.4
289769 2005 JS_{87}	17.0	X	128.17059	156.80298	113.10173	6.90772	0.1647022	0.27050306	2.3678522	21	12 17.0	20.7
289770 2005 JB_{90}	17.5	X	270.85774	50.18192	140.14003	2.21811	0.1457659	0.28485032	2.2876605	21	—	—
289771 2005 JR_{91}	16.9	X	87.24737	16.21881	241.20474	5.43832	0.0816329	0.26255924	2.4153747	21	10 10.5	20.2
289772 2005 JJ_{92}	16.9	X	127.04698	332.62545	314.35278	6.83562	0.1026303	0.27407048	2.3472600	21	—	—
289773 2005 JY_{92}	16.4	X	286.98063	343.13502	278.26341	8.81555	0.1706402	0.23753512	2.5821660	21	2 2.1	20.4
289774 2005 JP_{93}	16.4	X	198.21716	251.89466	42.68394	10.43779	0.2024673	0.22379812	2.6867779	21	—	—
289775 2005 JT_{95}	17.1	X	94.69891	140.25266	155.07398	2.23114	0.2049805	0.26785756	2.3834174	21	12 19.6	20.9
289776 2005 JK_{96}	16.8	X	282.34850	26.76651	195.24273	4.47934	0.1808233	0.23034029	2.6356603	21	—	—
289777 2005 JG_{97}	16.1	X	289.07169	298.35920	174.31398	4.46911	0.0191307	0.21267243	2.7796829	21	12 5.8	19.8
289778 2005 JR_{97}	16.8	X	336.43738	24.62483	144.54077	3.34566	0.0651113	0.23073366	2.6326639	21	—	—
289779 2005 JF_{100}	16.3	X	229.13487	119.73036	201.49841	11.50839	0.2611826	0.23109951	2.6298846	21	2 17.9	21.1
289780 2005 JL_{100}	16.6	X	32.55385	85.11840	102.02961	9.12483	0.0499249	0.24230257	2.5481835	21	4 15.2	19.8
289781 2005 JP_{100}	15.9	X	136.05325	213.84202	48.15641	10.90168	0.1033838	0.21189618	2.7864674	21	12 3.6	20.2
289782 2005 JZ_{101}	17.3	X	182.56797	74.59578	173.15833	7.84789	0.1733188	0.21525212	2.7574295	21	12 28.9	21.9
289783 2005 JA_{102}	15.9	X	304.55134	55.30256	189.40473	11.06561	0.0475949	0.17402024	3.1773829	21	2 28.9	20.4
289784 2005 JO_{102}	15.7	X	321.76706	207.70140	104.36277	11.17275	0.0825387	0.18795109	3.0183724	21	6 14.9	19.7
289785 2005 JC_{105}	16.2	X	113.01694	8.33986	33.93932	7.93442	0.0514342	0.23644929	2.5900652	21	1 25.1	19.7
289786 2005 JX_{105}	16.9	X	10.67574	310.03403	199.99503	4.58901	0.2260623	0.23660605	2.5889211	21	—	—
289787 2005 JY_{105}	17.5	X	291.77915	136.57028	118.50606	2.39246	0.1439088	0.23594216	2.5937753	21	2 5.5	21.0
289788 2005 JN_{108}	16.3	X	319.95391	206.17916	147.40366	9.60266	0.1041618	0.19340573	2.9613505	21	8 3.7	20.1
289789 2005 JE_{111}	18.0	X	158.75298	255.74499	92.02952	4.55132	0.2497589	0.28630578	2.2799009	21	1 23.7	21.4
289790 2005 JS_{112}	13.0	X	265.48197	266.48785	206.27537	27.24623	0.0924010	0.08383487	5.1703458	21	10 8.1	19.9
289791 2005 JC_{114}	15.8	X	120.31583	267.73679	210.27457	9.46873	0.0889857	0.18679753	3.0307861	21	5 20.7	20.2
289792 2005 JS_{117}	16.3	X	32.95570	127.64235	212.64246	14.38161	0.1650520	0.20305616	2.8667640	21	11 23.1	20.0
289793 2005 JM_{118}	15.8	X	37.69693	41.02157	52.92273	14.49019	0.0880305	0.22793073	2.6542029	21	—	—
289794 2005 JR_{119}	16.1	X	316.26190	36.97316	206.53901	9.79835	0.0429379	0.17657177	3.1466990	21	3 14.2	20.6
289795 2005 JF_{122}	15.9	X	317.93374	205.82596	116.71995	20.42035	0.2384613	0.18590216	3.0405099	21	6 4.8	19.9
289796 2005 JE_{128}	15.8	X	341.64371	272.91119	141.77260	17.89678	0.1964937	0.21138617	2.7909475	21	12 12.6	18.9
289797 2005 JM_{129}	15.8	X	333.30228	245.97119	63.43544	11.35265	0.0624191	0.19131973	2.9828372	21	6 29.9	19.7
289798 2005 JK_{130}	17.2	X	141.80031	212.39004	75.98215	3.84586	0.1807160	0.27597145	2.3364686	21	—	—
289799 2005 JK_{131}	17.8	X	239.79926	25.81370	151.12199	5.85554	0.0968752	0.27669283	2.3324058	21	12 25.8	20.6
289800 2005 JC_{132}	16.1	X	11.41167	191.97132	140.24713	9.72391	0.0675285	0.19925713	2.9030876	21	10 1.0	19.9
289801 2005 JT_{133}	17.0	X	82.43548	9.76949	191.61243	5.51874	0.0417311	0.25294300	2.4762107	21	7 12.0	20.2
289802 2005 JJ_{136}	15.5	X	327.35015	83.15571	187.69396	16.55469	0.1029791	0.18349774	3.0670126	21	4 28.8	19.5
289803 2005 JP_{142}	16.9	X	301.08032	130.60700	123.33631	5.39831	0.1670362	0.23872792	2.5735577	21	2 11.5	20.5
289804 2005 JN_{146}	16.6	X	331.87157	104.01630	167.93195	12.69719	0.2870985	0.18196369	3.0842263	21	4 11.3	20.1
289805 2005 JC_{149}	17.4	X	79.61452	229.12515	50.28655	7.69406	0.0940952	0.26537012	2.3982882	21	11 3.9	20.4
289806 2005 JZ_{149}	15.9	X	356.92212	4.67216	196.97175	10.89271	0.0390417	0.17730106	3.1380642	21	3 16.6	20.3
289807 2005 JH_{153}	16.9	X	189.07169	268.08284	31.85845	4.39669	0.1736991	0.22749650	2.6575793	21	—	—
289808 2005 JD_{157}	16.1	X	31.61043	278.26958	121.06826	6.72057	0.0684479	0.21516222	2.7581975	21	—	—
289809 2005 JT_{159}	16.1	X	109.08530	45.52943	32.84062	2.72224	0.0771812	0.17795894	3.1303256	21	3 18.3	20.4
289810 2005 JQ_{164}	17.3	X	321.70238	130.34717	97.79566	3.95590	0.1454497	0.23774173	2.5806698	21	2 7.9	20.5
289811 2005 JG_{168}	16.3	X	27.59031	288.62396	221.92244	13.78970	0.0489949	0.23793776	2.5792522	21	2 6.8	19.8
289812 2005 JM_{171}	16.6	X	97.14470	231.99300	46.26291	5.96803	0.0768056	0.20851260	2.8165308	21	11 11.7	20.8
289813 2005 JQ_{171}	17.4	X	116.37574	95.34451	63.62119	2.04943	0.1316050	0.25538408	2.4604063	21	7 11.9	20.9
289814 2005 JP_{177}	15.3	X	15.34939	119.34131	47.34686	27.54281	0.1553099	0.17905679	3.1175172	21	3 15.2	19.5
289815 2005 JL_{182}	17.8	X	276.18219	278.80008	229.39067	0.52619	0.1549448	0.28069382	2.3101888	21	—	—
289816 2005 JA_{184}	16.3	X	115.16980	206.16203	95.51471	6.24353	0.1448772	0.21199998	2.7855578	21	—	—
289817 2005 KL	17.3	X	154.35694	155.00512	137.31091	3.99446	0.2462618	0.27644278	2.3338121	21	—	—
289818 2005 KY_{2}	17.2	X	192.72858	331.03881	260.09572	4.22507	0.2236956	0.27647324	2.3336407	21	12 24.1	20.6
289819 2005 KA_{3}	17.1	X	55.43788	204.74057	58.54954	5.40764	0.1708717	0.25820323	2.4424645	21	9 24.7	20.1
289820 2005 KD_{3}	16.8	X	125.10778	48.21701	205.13944	5.56923	0.0507249	0.20929971	2.8094650	21	11 11.1	20.9
289821 2005 KR_{3}	16.8	X	241.12276	7.01846	157.08409	2.47173	0.1318177	0.21587878	2.7520907	21	11 23.7	20.5
289822 2005 KE_{7}	16.1	X	208.09233	321.76774	285.74205	8.87111	0.2593678	0.21519278	2.7579364	21	—	—
289823 2005 KX_{7}	17.2	X	114.91650	101.25693	164.61113	2.49583	0.1871593	0.26653946	2.3912686	21	11 30.7	21.1
289824 2005 KG_{10}	17.1	X	240.95934	241.38444	90.32967	11.12564	0.2261769	0.23269200	2.6178721	21	3 21.1	21.7
289825 2005 KW_{12}	16.3	X	128.42568	132.04735	162.26157	7.03356	0.0746615	0.21426749	2.7658707	21	—	—
289826 2005 KX_{13}	16.3	X	348.14545	42.70175	197.71533	6.15796	0.2235997	0.18061364	3.0995765	21	4 6.5	19.3
289827 2005 LP_{3}	15.8	X	161.12743	117.39578	152.67894	26.75051	0.0766821	0.21491328	2.7603271	21	—	—
289828 2005 LT_{4}	15.4	X	179.89138	302.18437	90.38825	11.14294	0.1290463	0.17922872	3.1155231	21	4 15.8	20.5
289829 2005 LC_{9}	17.1	X	14.59603	203.49425	141.10502	3.56975	0.1364264	0.26204264	2.4185482	21	11 8.9	19.7
289830 2005 LC_{11}	15.7	X	64.01818	80.53456	125.45962	9.53912	0.0498769	0.18839287	3.0136518	21	6 25.2	19.8
289831 2005 LS_{12}	15.8	X	3.60209	60.55496	124.34108	29.82308	0.2242422	0.23719392	2.5846417	21	2 4.4	18.3
289832 2005 LM_{14}	15.9	X	355.10907	47.32259	154.80073	6.99014	0.1053439	0.17794869	3.1304458	21	3 12.4	19.8
289833 2005 LC_{18}	17.1	X	91.58972	65.75650	215.33813	6.18080	0.1034691	0.26543054	2.3979242	21	11 20.9	20.5
289834 2005 LW_{20}	16.8	X	297.02563	187.08920	152.27584	7.19711	0.2665015	0.24555276	2.5256481	21	5 16.1	20.2
289835 2005 LC_{22}	16.6	X	209.41759	204.85926	86.16439	14.71375	0.0947481	0.22573845	2.6713596	21	1 1.1	20.7
289836 2005 LK_{23}	16.1	X	276.91727	79.95067	284.27404	7.84652	0.1234391	0.18135088	3.0911704	21	6 14.5	20.6
289837 2005 LJ_{25}	17.6	X	51.76154	206.34091	101.51178	4.25962	0.2153210	0.26086973	2.4257922	21	11 23.7	20.8
289838 2005 LK_{26}	13.6	X	87.33693	99.42287	191.98702	12.15016	0.0806668	0.08314690	5.1988265	21	11 1.5	20.6
289839 2005 LY_{29}	16.5	X	98.58356	9.83245	200.34371	9.88696	0.0518652	0.19534860	2.9416829	21	8 12.2	20.9
289840 2005 LP_{33}	17.9	X	110.99691	132.93886	180.58476	1.93136	0.2146046	0.27231276	2.3573499	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289841 2005 LL_{34}	16.0	X	12.89343	79.78695	211.64653	9.96214	0.0899780	0.19164356	2.9794760	21	8 3.4	20.0
289842 2005 LS_{34}	17.5	X	182.36669	88.81897	167.95463	4.66785	0.1753888	0.27673639	2.3321611	21	—	—
289843 2005 LS_{35}	15.8	X	336.33608	237.79284	84.37121	23.27310	0.1718994	0.19025379	2.9939681	21	7 12.9	19.3
289844 2005 LV_{40}	17.6	X	105.59608	119.75295	194.54351	4.07309	0.2626756	0.26989774	2.3713913	21	—	—
289845 2005 LE_{41}	16.4	X	344.27774	2.12486	242.21358	5.11307	0.1927826	0.24166141	2.5526887	21	3 26.1	19.2
289846 2005 LR_{43}	15.0	X	354.58303	310.34203	284.15831	22.04478	0.0252132	0.17460964	3.1702285	21	4 17.7	19.8
289847 2005 LF_{48}	16.1	X	306.62373	153.76812	64.29074	14.01545	0.2264329	0.23158286	2.6262241	21	—	—
289848 2005 LX_{48}	16.9	X	185.65402	273.38974	244.70382	8.04203	0.2067549	0.26553837	2.3972750	21	9 14.6	21.0
289849 2005 LW_{51}	16.9	X	272.27778	94.86525	208.14538	11.21359	0.1772251	0.23647930	2.5898461	21	3 9.3	20.9
289850 2005 LU_{53}	17.1	X	333.39958	152.69832	279.59798	4.25983	0.0401590	0.26443905	2.4039143	21	12 24.9	19.8
289851 2005 MA_{3}	15.7	X	326.99202	68.98273	174.99422	21.70146	0.2274490	0.17617597	3.1514102	21	3 4.6	19.8
289852 2005 MK_{5}	17.5	X	306.56002	74.21685	194.75227	6.46153	0.2062690	0.29921127	2.2138631	21	2 19.7	20.4
289853 2005 MZ_{5}	15.0	X	292.89904	44.81180	280.33626	14.18206	0.2195297	0.17609634	3.1523601	21	4 27.7	19.7
289854 2005 MW_{6}	16.3	X	310.90595	5.39591	172.44874	5.83751	0.0322773	0.22541202	2.6739380	21	—	—
289855 2005 MT_{8}	16.8	X	53.31125	90.33250	246.39218	5.95513	0.1345215	0.26024552	2.4296695	21	12 20.6	20.1
289856 2005 MC_{9}	17.0	X	180.67029	42.45055	229.09803	3.34076	0.1673026	0.21275218	2.7789882	21	—	—
289857 2005 MK_{9}	16.2	X	260.51504	190.79030	125.93772	11.94779	0.1454872	0.23184089	2.6242751	21	3 25.5	20.3
289858 2005 MR_{9}	16.0	X	359.54084	137.71152	190.66207	6.52323	0.1162150	0.18762449	3.0218741	21	9 3.7	19.5
289859 2005 MZ_{9}	14.8	X	329.46651	17.49313	276.69522	15.34924	0.2140270	0.17852872	3.1236617	21	5 14.4	18.7
289860 2005 MK_{11}	16.7	X	158.50242	155.66946	207.68394	14.10734	0.1979534	0.22553157	2.6729930	21	2 10.3	21.2
289861 2005 MQ_{11}	12.8	X	351.43646	293.33895	104.11380	17.99791	0.0833658	0.08387893	5.1685348	21	11 8.5	19.5
289862 2005 MB_{12}	16.9	X	181.40219	340.40268	292.99348	6.17959	0.0936810	0.27416371	2.3467279	21	—	—
289863 2005 MK_{12}	15.3	X	349.82175	211.78198	113.00949	14.05763	0.1414424	0.18597359	3.0397314	21	8 16.2	18.8
289864 2005 MG_{14}	16.5	X	330.16227	17.39139	143.08002	9.58406	0.2145223	0.22865555	2.6485909	21	—	—
289865 2005 MP_{15}	16.1	X	66.02187	316.46626	122.14702	22.58662	0.0431013	0.22657086	2.6648126	21	1 7.1	19.5
289866 2005 MV_{15}	17.6	X	239.43497	201.32932	117.17503	4.89019	0.1891962	0.29066195	2.2570643	21	2 22.9	21.2
289867 2005 MB_{16}	17.4	X	173.88229	322.73341	290.25600	2.62350	0.1617209	0.27117045	2.3639655	21	—	—
289868 2005 MF_{16}	15.4	X	346.57994	76.20854	253.06054	20.36520	0.2006720	0.18438484	3.0571676	21	8 2.4	19.1
289869 2005 MZ_{16}	17.6	X	257.33579	152.21505	134.62094	4.83340	0.1238497	0.28883692	2.2665619	21	2 2.0	20.9
289870 2005 MM_{17}	17.3	X	172.66991	139.65763	123.37049	3.03094	0.1964973	0.27181917	2.3602028	21	—	—
289871 2005 MP_{17}	15.9	X	295.23666	27.80819	291.09373	4.90321	0.1301436	0.17631744	3.1497243	21	5 8.7	20.2
289872 2005 MB_{21}	15.7	X	358.57684	220.64744	128.87697	10.21977	0.0558876	0.19115809	2.9845184	21	10 4.0	19.7
289873 2005 ME_{21}	16.8	X	335.95419	160.32275	166.91300	4.46151	0.0967540	0.24559884	2.5253322	21	7 27.1	19.5
289874 2005 MQ_{21}	15.5	X	50.27151	272.37208	303.64400	8.36918	0.0358270	0.17853043	3.1236417	21	6 17.8	19.8
289875 2005 MU_{21}	16.4	X	288.87991	140.24165	188.05739	0.44591	0.1782990	0.17583026	3.1555396	21	5 7.1	20.7
289876 2005 MJ_{23}	15.3	X	250.84469	237.34398	92.17168	16.73619	0.2207524	0.17554182	3.1589954	21	4 3.9	20.8
289877 2005 MX_{23}	17.6	X	266.70962	307.16297	298.19461	4.39474	0.1343634	0.28587071	2.2822135	21	—	—
289878 2005 MP_{24}	17.4	X	179.91936	247.27990	68.93209	5.49053	0.2432263	0.27894310	2.3198450	21	1 3.8	21.2
289879 2005 MV_{24}	16.3	X	64.45049	225.52448	124.87657	7.05743	0.0242393	0.21199847	2.7855710	21	12 26.5	20.1
289880 2005 MZ_{24}	16.2	X	128.12151	88.56698	229.29502	5.09107	0.0386826	0.21669279	2.7451942	21	—	—
289881 2005 MK_{25}	16.6	X	45.92685	202.24098	112.32324	8.25060	0.1533718	0.25677284	2.4515269	21	11 17.3	19.8
289882 2005 MQ_{26}	16.5	X	216.37581	206.24325	120.04490	11.92170	0.2445570	0.22479950	2.6787930	21	2 20.6	21.3
289883 2005 MS_{27}	17.2	X	167.71129	105.15462	204.51001	5.62149	0.1366380	0.27652474	2.3333509	21	—	—
289884 2005 MW_{27}	15.7	X	3.98661	73.84270	147.24496	16.80581	0.0289860	0.17233021	3.1981226	21	4 27.6	20.4
289885 2005 MN_{28}	17.4	X	54.75015	43.77503	241.63015	5.53642	0.1201971	0.25375847	2.4709029	21	10 10.7	20.6
289886 2005 MZ_{28}	15.8	X	151.38193	311.62214	274.77319	12.05631	0.1350032	0.20003689	2.8955384	21	11 2.9	20.6
289887 2005 MK_{31}	17.8	X	226.09349	53.52781	281.51911	2.48293	0.1949293	0.28976697	2.2617093	21	3 1.5	21.4
289888 2005 MU_{31}	16.4	X	204.25432	235.72813	105.71491	13.27901	0.2575572	0.22383711	2.6864658	21	3 3.8	21.3
289889 2005 MX_{31}	15.3	X	345.98920	46.96153	325.57975	9.89571	0.1311041	0.19171938	2.9786905	21	10 7.6	18.9
289890 2005 MK_{32}	15.3	X	297.45904	314.61220	12.12697	7.95919	0.2175460	0.17749414	3.1357880	21	5 7.8	19.6
289891 2005 MY_{32}	16.5	X	247.23920	203.54275	133.40077	8.54378	0.1963514	0.23195743	2.6233961	21	4 1.2	20.8
289892 2005 MM_{34}	17.4	X	239.06785	158.03794	133.22783	4.68516	0.1396560	0.28551277	2.2841206	21	1 20.2	20.8
289893 2005 MR_{35}	17.4	X	113.76964	257.96479	114.03064	4.40820	0.2318853	0.27410835	2.3470439	21	1 2.1	19.9
289894 2005 MH_{36}	16.6	X	250.73320	87.55764	301.29835	25.56026	0.1987191	0.23918792	2.5702570	21	6 6.3	21.0
289895 2005 MT_{36}	17.4	X	62.33620	342.55380	316.95556	1.86417	0.1921607	0.25743485	2.4473222	21	11 20.1	20.9
289896 2005 MK_{42}	16.0	X	359.78410	109.73548	243.29484	7.43921	0.1276531	0.19116279	2.9844695	21	10 7.4	19.6
289897 2005 MY_{44}	16.3	X	219.54217	134.97264	261.42428	11.81699	0.1732925	0.23492177	2.6012807	21	5 16.8	20.5
289898 2005 MU_{46}	17.0	X	353.40370	32.47173	264.46640	6.94345	0.0636886	0.24554089	2.5257295	21	7 13.7	20.0
289899 2005 MX_{46}	15.3	X	299.12602	16.83715	281.48936	15.29245	0.1892147	0.17537228	3.1610309	21	4 2.9	20.1
289900 2005 MP_{47}	17.5	X	86.92344	145.65732	193.16788	2.57654	0.2023763	0.26640759	2.3920577	21	—	—
289901 2005 MP_{53}	17.6	X	256.41264	152.60771	128.18137	4.61804	0.1858144	0.28677778	2.2773986	21	1 21.4	21.1
289902 2005 MW_{53}	17.6	X	139.06402	133.45080	160.55146	2.57940	0.1768032	0.26895568	2.3769255	21	—	—
289903 2005 MC_{55}	15.3	X	337.02479	205.42789	110.75447	15.02148	0.1762600	0.18317238	3.0706434	21	7 5.8	18.5
289904 2005 NO_{1}	16.0	X	119.17699	93.22511	300.06173	13.64869	0.0348696	0.22002729	2.7173882	21	1 20.1	19.6
289905 2005 NX_{1}	17.0	X	304.91110	140.72121	122.07457	24.88691	0.2058119	0.29441109	2.2378618	21	2 14.2	20.2
289906 2005 NP_{5}	16.3	X	286.78975	314.56506	130.39258	8.05599	0.1806250	0.19271714	2.9684004	21	10 6.8	20.1
289907 2005 NG_{6}	16.9	X	225.42142	244.46325	167.59097	3.28633	0.2534521	0.23932014	2.5693103	21	6 7.6	21.2
289908 2005 NT_{7}	16.1	X	338.01111	74.67760	209.53097	3.67871	0.1095257	0.17851223	3.1238540	21	5 31.1	19.9
289909 2005 NT_{8}	16.3	X	87.79019	358.87187	134.52221	11.41111	0.0234228	0.23162578	2.6258996	21	4 20.1	19.9
289910 2005 NX_{11}	17.1	X	42.58266	208.19624	114.29944	1.97751	0.0749815	0.25776900	2.4452068	21	11 9.5	20.1
289911 2005 NH_{12}	16.9	X	159.10899	222.30155	134.17882	5.70833	0.1266393	0.22044591	2.7139470	21	2 1.4	21.0
289912 2005 NK_{12}	17.0	X	119.93275	109.79079	124.64502	7.13949	0.1308218	0.25901743	2.4373434	21	10 26.5	20.7
289913 2005 NF_{13}	15.5	X	41.05594	312.95134	274.58655	8.05549	0.0973640	0.18244082	3.0788465	21	6 26.5	19.2
289914 2005 NX_{13}	15.7	X	119.57955	221.64860	151.04469	25.84229	0.1275185	0.21115836	2.7929545	21	1 10.6	19.9
289915 2005 NK_{19}	15.3	X	199.40922	168.94209	129.00003	14.76881	0.0841819	0.15626571	3.4137123	21	1 11.4	20.6
289916 2005 NB_{20}	16.5	X	296.06964	300.87576	329.97384	10.62856	0.1523588	0.23297049	2.6157853	21	2 28.1	20.1
289917 2005 NM_{21}	15.3	X	253.90054	82.17740	272.36465	7.54061	0.1304082	0.17397662	3.1779138	21	5 4.5	20.3
289918 2005 NN_{22}	15.2	X	317.16410	174.23476	131.73880	18.88238	0.2180123	0.17819117	3.1276052	21	5 17.8	19.5
289919 2005 NR_{23}	16.2	X	270.78458	179.54470	149.17320	16.75621	0.0757762	0.17360306	3.1824710	21	5 5.4	21.1
289920 2005 NU_{23}	16.0	X	227.88480	259.10643	156.90519	12.57279	0.0681223	0.17981804	3.1087124	21	6 29.3	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
289921 2005 NT_{24}	16.8	X	187.77493	184.18627	255.52291	7.17812	0.0298342	0.23956032	2.5675927	21	6 13.2	20.3
289922 2005 NP_{26}	15.5	X	318.38901	354.05739	271.43597	8.33942	0.1774924	0.17451951	3.1713200	21	3 23.6	19.9
289923 2005 NQ_{27}	17.4	X	157.94231	189.71141	151.24819	6.10408	0.1455838	0.27900055	2.3195265	21	1 3.0	20.6
289924 2005 NS_{27}	16.9	X	246.22160	105.54714	208.28212	3.01070	0.2008896	0.22857797	2.6491902	21	2 27.2	21.2
289925 2005 NT_{27}	16.3	X	351.61634	275.89997	279.83774	9.61836	0.1371232	0.22960879	2.6412553	21	2 7.9	19.4
289926 2005 NU_{29}	17.0	X	15.40596	321.50798	288.59016	2.09470	0.0225900	0.24099892	2.5573646	21	6 11.1	20.2
289927 2005 NE_{30}	17.2	X	114.86730	118.04692	111.77957	3.38515	0.1601227	0.25733800	2.4479362	21	10 15.8	20.9
289928 2005 NY_{31}	16.1	X	355.30182	307.61083	270.14204	14.28855	0.0249953	0.23211659	2.6221967	21	3 21.9	19.9
289929 2005 ND_{32}	15.4	X	249.39851	236.18947	164.37640	11.83237	0.1504388	0.17987710	3.1080319	21	6 25.2	20.3
289930 2005 NR_{32}	16.4	X	258.21919	211.04737	143.13618	15.00023	0.0609141	0.23808009	2.5782241	21	5 19.7	20.3
289931 2005 NW_{32}	15.6	X	339.23877	129.90238	167.88862	8.77340	0.0526614	0.18126046	3.0921983	21	6 24.2	19.9
289932 2005 NR_{33}	17.2	X	161.16458	243.34897	70.94928	0.73691	0.0611839	0.21419185	2.7665217	21	—	—
289933 2005 NS_{33}	16.6	X	27.94142	158.65108	107.71554	2.41335	0.1361038	0.18512470	3.0490168	21	8 1.9	20.3
289934 2005 NZ_{33}	17.2	X	319.59085	291.79170	327.88160	1.12119	0.1272354	0.23396817	2.6083440	21	3 20.8	20.4
289935 2005 NR_{35}	16.5	X	252.31804	336.71141	25.49962	0.66577	0.1955296	0.17415524	3.1757405	21	5 7.4	21.4
289936 2005 NC_{36}	17.8	X	123.34468	359.10602	208.60029	0.99059	0.0986250	0.31421120	2.1428328	21	9 25.0	20.4
289937 2005 NE_{36}	16.5	X	228.72732	20.78214	304.98087	10.40978	0.0622916	0.22649505	2.6654072	21	3 1.2	20.5
289938 2005 NQ_{37}	15.8	X	218.29089	116.37930	290.44496	8.79708	0.1270226	0.17462534	3.1700385	21	6 2.8	20.9
289939 2005 NM_{40}	17.3	X	40.49538	84.62777	255.50324	1.34548	0.1692964	0.25931701	2.4354659	21	12 14.2	20.2
289940 2005 NM_{41}	15.6	X	6.54557	33.79026	287.19370	9.16726	0.1269606	0.18915882	3.0055110	21	9 3.3	19.2
289941 2005 NB_{44}	16.5	X	317.22153	64.20271	262.75399	2.51430	0.1529957	0.18220421	3.0815114	21	6 18.0	20.2
289942 2005 ND_{44}	16.9	X	180.34346	26.34996	290.12835	5.30472	0.0604586	0.21892293	2.7265191	21	1 1.2	20.8
289943 2005 NE_{45}	17.3	X	218.37549	179.56491	115.51326	3.68759	0.2178912	0.28327039	2.2961588	21	1 7.3	20.9
289944 2005 NK_{46}	15.6	X	328.16237	329.62566	268.05768	7.59535	0.1584748	0.17119963	3.2121871	21	3 6.5	20.0
289945 2005 NQ_{46}	17.0	X	279.04584	133.24873	174.70452	6.03423	0.1365781	0.23404334	2.6077855	21	3 31.6	20.6
289946 2005 NT_{49}	15.7	X	69.43836	266.72879	283.75594	9.62320	0.1082345	0.17993809	3.1073295	21	6 20.9	19.9
289947 2005 NU_{49}	14.7	X	349.13828	54.86213	278.34621	6.86464	0.1598458	0.12439854	3.9742867	21	8 16.4	19.5
289948 2005 NK_{50}	16.0	X	324.02122	351.14103	279.10103	7.86455	0.0357177	0.17441114	3.1726334	21	4 27.4	20.4
289949 2005 NX_{53}	16.4	X	229.76419	341.23017	308.64819	28.97480	0.1640972	0.28396762	2.2923988	21	1 14.6	20.2
289950 2005 NE_{54}	17.6	X	138.23816	2.01196	265.10393	3.04735	0.1853309	0.26626969	2.3928835	21	12 21.4	21.6
289951 2005 NN_{57}	17.2	X	82.01695	238.83222	122.76761	2.91604	0.1932462	0.26714395	2.3876600	21	—	—
289952 2005 NO_{58}	16.9	X	208.66041	139.16136	169.32820	6.06668	0.0129702	0.21723027	2.7406642	21	1 20.7	20.7
289953 2005 NG_{63}	15.6	X	64.11809	55.20136	283.18833	11.13577	0.1687207	0.19873955	2.9081258	21	12 27.7	19.9
289954 2005 NH_{65}	16.2	X	70.83160	169.42804	276.11954	5.93734	0.0674157	0.21942927	2.7223232	21	1 25.1	19.7
289955 2005 NT_{67}	17.2	X	245.19094	309.03832	285.57010	5.46359	0.1262829	0.28040866	2.3117548	21	—	—
289956 2005 NU_{67}	16.5	X	162.97553	156.44341	279.93104	3.67765	0.1561760	0.23464728	2.6033089	21	5 15.1	20.7
289957 2005 NZ_{68}	16.6	X	258.38591	236.99554	94.80900	8.60112	0.2362229	0.23167572	2.6255222	21	4 3.0	21.0
289958 2005 NC_{70}	16.0	X	184.69963	351.56296	303.24525	8.14732	0.1258727	0.21529546	2.7570595	21	—	—
289959 2005 NP_{75}	17.5	X	210.50488	98.06768	167.99274	0.29627	0.0996719	0.21689159	2.7435165	21	—	—
289960 2005 NU_{75}	15.5	X	277.92287	29.34401	294.16181	6.20711	0.1432944	0.17512088	3.1640555	21	4 20.2	20.2
289961 2005 NX_{78}	16.9	X	123.24463	166.67154	129.18428	2.93029	0.0743037	0.20446442	2.8535855	21	12 29.9	21.2
289962 2005 NA_{79}	16.8	X	359.80479	41.44750	126.39104	3.38850	0.0205152	0.22281048	2.6947117	21	2 1.0	20.3
289963 2005 NJ_{82}	17.6	X	201.80737	284.85386	269.65695	1.42817	0.1449588	0.26616116	2.3935339	21	11 23.2	20.9
289964 2005 NA_{84}	16.2	X	61.14159	134.91564	296.33701	8.32326	0.0657518	0.21508773	2.7588343	21	—	—
289965 2005 NR_{84}	16.7	X	105.63869	136.13605	104.41870	10.79512	0.1652418	0.25785406	2.4446690	21	10 24.3	20.6
289966 2005 NH_{90}	15.8	X	294.20678	70.98428	251.05651	9.48135	0.1009179	0.17684138	3.1435000	21	5 16.6	20.0
289967 2005 NL_{92}	16.1	X	245.22944	92.53034	312.22951	7.55464	0.0576839	0.18123166	3.0925258	21	7 7.4	20.5
289968 2005 ND_{94}	15.3	X	346.24543	310.19744	291.80188	10.00911	0.0331106	0.17439143	3.1728725	21	4 19.7	19.8
289969 2005 NX_{95}	17.0	X	349.91903	108.32254	112.21244	2.86488	0.0916188	0.23394418	2.6085223	21	3 20.8	19.9
289970 2005 NL_{100}	17.0	X	27.24023	310.73568	136.47050	0.98950	0.0394441	0.21388961	2.7691273	21	—	—
289971 2005 NP_{100}	16.6	X	48.01606	222.80995	74.01509	7.37120	0.1330923	0.25513568	2.4620031	21	10 24.1	19.7
289972 2005 ND_{112}	17.5	X	26.67563	249.91601	280.87326	0.71286	0.0246043	0.23023336	2.6364764	21	3 11.2	20.8
289973 2005 NZ_{114}	17.0	X	171.47201	63.97704	280.05713	2.15378	0.1143603	0.22082948	2.7108034	21	1 28.5	21.0
289974 2005 NF_{116}	17.7	X	211.09836	301.09445	128.04684	4.35369	0.2238091	0.24021248	2.5629433	21	6 18.4	22.0
289975 2005 NK_{123}	16.5	X	163.92081	260.71161	137.54063	13.85635	0.2255666	0.22435518	2.6823286	21	4 8.7	21.2
289976 2005 NP_{124}	16.7	X	30.84654	224.01644	39.72108	2.46217	0.1213748	0.24584066	2.5236759	21	8 5.3	19.3
289977 2005 NE_{125}	17.3	X	69.89614	61.29832	317.16624	4.50634	0.1270485	0.26558613	2.3969876	21	—	—
289978 2005 OH	14.6	X	289.79165	307.27749	50.01932	27.99291	0.2383687	0.17401365	3.1774630	21	5 30.9	19.3
289979 2005 OY_{4}	16.9	X	193.67485	329.17922	293.25534	6.10101	0.0916706	0.27299599	2.3534151	21	—	—
289980 2005 OK_{7}	16.8	X	6.09401	98.84206	250.03028	18.44112	0.1011935	0.37353510	1.9094800	21	11 18.4	18.3
289981 2005 OR_{8}	16.9	X	354.18142	138.75570	179.28353	5.43974	0.1135873	0.24726293	2.5139890	21	8 15.6	19.4
289982 2005 OO_{9}	15.2	X	304.04183	210.71334	134.40172	22.76170	0.1361728	0.17936319	3.1139658	21	6 26.8	19.6
289983 2005 OD_{20}	16.7	X	195.60225	207.72448	124.91143	5.22718	0.1095126	0.22067624	2.7120581	21	2 8.3	20.8
289984 2005 OF_{23}	16.8	X	181.43015	136.87827	212.85004	4.60474	0.0434094	0.22293399	2.6937163	21	2 8.4	20.7
289985 2005 OD_{24}	16.8	X	197.80016	123.24120	224.89364	4.20774	0.0609982	0.22384284	2.6864200	21	2 25.4	20.7
289986 2005 OG_{27}	15.4	X	284.92837	41.16108	315.50050	9.46135	0.0475377	0.17688607	3.1429704	21	6 27.2	19.8
289987 2005 OJ_{27}	15.3	X	324.67266	307.94721	17.52195	11.38773	0.0812367	0.17840859	3.1250637	21	7 8.6	19.5
289988 2005 OM_{27}	17.2	X	117.37737	191.66913	178.06207	8.49179	0.2474416	0.27312602	2.3526681	21	1 6.1	20.0
289989 2005 OQ_{28}	15.8	X	245.62393	334.65117	310.95854	12.66468	0.1780146	0.22226529	2.6991164	21	1 27.7	20.1
289990 2005 OZ_{28}	15.3	X	78.34601	274.87371	299.86483	15.75082	0.0644119	0.18197256	3.0841260	21	7 27.1	19.5
289991 2005 PS_{1}	15.6	X	56.45365	319.64636	341.56875	12.76015	0.0607221	0.19192946	2.9765165	21	10 12.9	19.9
289992 Onfray	16.6	X	13.11898	213.46364	60.83560	0.35384	0.2090186	0.18341626	3.0679209	21	7 22.5	19.7
289993 2005 PX_{6}	15.4	X	44.79109	216.29398	103.28957	16.06147	0.1625904	0.19259186	2.9696876	21	11 15.6	19.6
289994 2005 PH_{7}	17.3	X	173.47921	348.18754	25.09490	1.94011	0.2695040	0.28288113	2.2982648	21	3 10.3	21.1
289995 2005 PC_{9}	16.0	X	10.57793	16.81328	341.68776	11.11000	0.1531948	0.19191934	2.9766211	21	11 2.5	19.7
289996 2005 PV_{10}	16.1	X	34.95992	212.42954	118.03817	10.39281	0.0625813	0.19257675	2.9698429	21	10 31.8	20.2
289997 2005 PS_{12}	17.2	X	236.37093	215.87607	106.07695	7.79000	0.1440561	0.28822273	2.2697807	21	2 27.8	20.6
289998 2005 PT_{12}	15.7	X	350.28162	306.24133	19.82245	7.44425	0.1280797	0.18390337	3.0625012	21	8 19.9	19.3
289999 2005 PX_{14}	17.2	X	72.61588	255.13727	25.24209	2.27812	0.1650917	0.25436723	2.4669590	21	11 3.5	20.5
290000 2005 PG_{15}	16.4	X	123.29803	235.36299	121.99661	5.12968	0.1447648	0.21065417	2.7974093	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290001 Uebersax	16.0	X	337.21915	229.64039	143.02483	17.41204	0.2271955	0.18559407	3.0438738	21	9 27.8	19.1
290002 2005 PC_{17}	15.8	X	103.85005	307.32427	139.24157	22.43016	0.0476662	0.22515542	2.6759692	21	3 14.1	19.5
290003 2005 PY_{18}	16.8	X	218.35295	129.03589	142.87482	7.84836	0.2433506	0.21862734	2.7289761	21	—	—
290004 2005 PA_{21}	16.2	X	297.60056	128.68913	152.40727	13.40745	0.0536452	0.22986508	2.6392916	21	4 4.0	19.8
290005 2005 PG_{24}	17.0	X	124.99432	253.40634	167.62970	5.20829	0.1572595	0.21956652	2.7211886	21	3 20.5	20.8
290006 2005 PL_{24}	15.9	X	212.10440	90.33394	286.59080	8.02444	0.3442815	0.16532333	3.2878598	21	4 13.5	22.1
290007 2005 QC_{1}	16.9	X	57.02514	64.31029	222.30221	1.72154	0.1733165	0.25338491	2.4733309	21	10 25.2	20.0
290008 2005 QS_{1}	17.2	X	196.98801	295.25618	306.50088	6.29615	0.2202664	0.27195057	2.3594425	21	—	—
290009 2005 QV_{1}	17.1	X	157.12940	7.57074	247.96672	2.07739	0.1697157	0.26626738	2.3928973	21	12 24.0	20.7
290010 2005 QA_{8}	17.6	X	153.53726	12.63737	335.23137	2.87136	0.1763488	0.27565501	2.3382563	21	1 12.2	20.8
290011 2005 QO_{8}	15.6	X	315.19828	175.02156	160.02977	22.12947	0.1100556	0.17803765	3.1294028	21	7 2.2	20.1
290012 2005 QE_{9}	16.4	X	273.55004	161.45509	151.31976	6.22213	0.3112784	0.23069001	2.6329959	21	3 14.2	20.8
290013 2005 QE_{11}	16.5	X	205.64018	301.52512	167.92201	9.99044	0.0408455	0.24198020	2.5504462	21	8 13.9	20.2
290014 2005 QC_{14}	16.1	X	182.44446	227.24208	165.63681	14.14994	0.1013861	0.22529255	2.6748832	21	4 11.6	20.2
290015 2005 QN_{14}	17.3	X	237.54408	100.04270	323.00606	4.19106	0.2912665	0.23671751	2.5881084	21	6 28.7	21.6
290016 2005 QX_{14}	15.2	X	254.01574	47.65013	342.42152	9.88765	0.0952041	0.17571562	3.1569119	21	6 24.3	20.0
290017 2005 QQ_{15}	15.2	X	179.54150	179.91736	174.96930	6.05936	0.0906668	0.15753778	3.3953111	21	2 25.4	20.3
290018 2005 QR_{15}	16.5	X	265.12163	293.39509	319.88392	3.93035	0.0624944	0.21813279	2.7330994	21	1 17.0	20.3
290019 2005 QR_{16}	15.5	X	348.62625	257.47450	353.06523	24.86057	0.2563080	0.17239267	3.1973501	21	4 7.8	19.1
290020 2005 QT_{18}	15.8	X	305.27347	328.66521	30.24649	4.14697	0.1158443	0.17737793	3.1371575	21	7 18.6	19.8
290021 2005 QY_{19}	16.4	X	29.85175	198.60302	159.11053	5.33002	0.1737944	0.19245269	2.9711191	21	12 9.6	20.3
290022 2005 QG_{20}	15.1	X	296.66952	339.10283	338.62220	17.20610	0.1023982	0.17233958	3.1980066	21	5 7.7	19.9
290023 2005 QL_{20}	16.0	X	148.22701	34.84799	346.39858	13.65362	0.1906833	0.21660683	2.7459204	21	2 28.1	20.2
290024 2005 QE_{22}	17.1	X	132.58476	49.64880	296.50135	2.03019	0.1238125	0.21017823	2.8016308	21	—	—
290025 2005 QC_{24}	16.0	X	275.72198	292.60862	129.44793	3.48972	0.0941134	0.18078434	3.0976250	21	8 31.7	20.3
290026 2005 QE_{24}	15.4	X	19.54584	289.70533	11.05671	9.73939	0.0782329	0.18125205	3.0922939	21	8 31.9	19.4
290027 2005 QY_{24}	17.0	X	72.80192	343.61180	12.25816	6.97796	0.1279665	0.26172088	2.4205300	21	—	—
290028 2005 QO_{25}	16.3	X	193.83272	202.59240	145.98305	4.11147	0.2336717	0.21939100	2.7226397	21	2 28.7	21.0
290029 2005 QE_{26}	15.6	X	310.28178	347.08772	31.25353	5.77882	0.1764286	0.17996180	3.1070565	21	8 14.8	19.3
290030 2005 QP_{28}	17.1	X	62.67210	85.92735	331.22280	9.20535	0.1591327	0.26948242	2.3738271	21	—	—
290031 2005 QE_{29}	17.3	X	275.35081	89.34037	260.47522	4.38722	0.1981081	0.29792055	2.2202527	21	5 6.9	20.1
290032 2005 QW_{30}	16.7	X	220.61298	185.03780	154.70966	6.74750	0.0407327	0.22560612	2.6724041	21	3 15.5	20.5
290033 2005 QJ_{31}	17.5	X	55.14641	211.75534	175.01300	2.49898	0.2179495	0.26470152	2.4023250	21	—	—
290034 2005 QW_{31}	16.6	X	227.99988	153.09880	169.59583	4.46554	0.2009872	0.22469037	2.6796603	21	2 23.6	21.2
290035 2005 QF_{32}	17.5	X	138.93142	327.04279	342.83086	0.73549	0.1885990	0.26923357	2.3752896	21	—	—
290036 2005 QK_{32}	15.9	X	194.15728	194.85240	163.63460	14.78380	0.2199066	0.22156529	2.7047984	21	3 12.3	20.5
290037 2005 QU_{32}	17.2	X	272.74172	86.82962	232.37336	1.81697	0.2264175	0.23303843	2.6152769	21	3 27.3	21.1
290038 2005 QP_{33}	15.8	X	338.76145	208.24774	151.60269	10.76072	0.1281804	0.18588446	3.0407029	21	9 13.1	19.3
290039 2005 QW_{34}	15.5	X	322.01891	219.56429	164.15793	11.88928	0.0967380	0.18488876	3.0516101	21	9 18.3	19.2
290040 2005 QT_{35}	16.6	X	88.93593	260.36431	132.74413	2.83537	0.2125889	0.26931054	2.3748371	21	—	—
290041 2005 QR_{38}	17.2	X	255.19448	154.66011	144.60428	6.42618	0.2303515	0.28886437	2.2664183	21	2 9.6	20.9
290042 2005 QU_{38}	17.9	X	199.93606	212.44194	183.22890	2.21095	0.1781766	0.29065793	2.2570851	21	4 26.1	21.2
290043 2005 QQ_{42}	17.0	X	274.87379	210.33309	145.11241	4.35264	0.2190733	0.23563976	2.5959939	21	5 17.4	20.7
290044 2005 QG_{44}	17.3	X	126.11193	191.19092	128.97880	2.02950	0.1928608	0.26827274	2.3809577	21	—	—
290045 2005 QH_{44}	15.7	X	64.55936	293.74781	351.09840	9.30441	0.0825792	0.18939721	3.0029884	21	10 8.3	19.9
290046 2005 QX_{45}	16.6	X	328.04068	70.91799	357.19338	14.63949	0.0526988	0.25691726	2.4506081	21	12 7.1	19.8
290047 2005 QW_{46}	16.9	X	140.04521	338.50680	38.44498	3.92143	0.1733258	0.21476506	2.7615969	21	2 14.0	21.1
290048 2005 QD_{47}	15.6	X	9.25799	146.00938	147.33180	10.18960	0.0718686	0.17992907	3.1074334	21	8 1.5	19.6
290049 2005 QL_{47}	15.6	X	185.90724	296.67396	98.72388	3.57296	0.1493698	0.16301957	3.3187629	21	4 22.3	21.0
290050 2005 QC_{48}	15.6	X	290.28306	240.58440	146.04122	10.10306	0.1020916	0.17929530	3.1147518	21	8 2.9	19.9
290051 2005 QE_{48}	16.3	X	141.97091	322.65209	34.11092	5.46984	0.1669287	0.21205092	2.7851116	21	1 22.3	20.5
290052 2005 QG_{49}	15.6	X	300.40297	191.05577	161.69305	18.02335	0.1349402	0.17708945	3.1405636	21	6 29.7	20.1
290053 2005 QY_{53}	15.9	X	28.18484	282.17764	153.52650	9.56661	0.1143762	0.20620921	2.8374661	21	—	—
290054 2005 QO_{54}	16.7	X	283.04109	286.27813	341.15290	4.92579	0.0235618	0.22255342	2.6967863	21	2 28.4	20.3
290055 2005 QF_{57}	17.4	X	193.80878	330.77229	328.24858	1.66750	0.2085301	0.27696905	2.3308548	21	—	—
290056 2005 QH_{57}	17.8	X	125.12317	342.86304	345.53469	1.10627	0.1795121	0.26923411	2.3752865	21	—	—
290057 2005 QO_{58}	15.9	X	354.47019	309.71305	19.23580	4.75587	0.1540142	0.18273915	3.0754947	21	8 30.4	19.3
290058 2005 QN_{59}	17.1	X	319.29396	149.37852	176.66628	14.60079	0.1899377	0.23894994	2.5719633	21	6 13.7	20.3
290059 2005 QS_{59}	16.1	X	342.38257	150.23009	171.70957	14.56738	0.0128376	0.23991098	2.5650901	21	8 1.2	19.6
290060 2005 QF_{62}	17.0	X	257.57673	207.41639	345.73767	6.28801	0.0574719	0.26827704	2.3809323	21	—	—
290061 2005 QX_{64}	16.8	X	287.25002	250.22877	49.03734	4.74649	0.1286696	0.22915636	2.6447306	21	4 1.7	20.4
290062 2005 QC_{65}	16.3	X	179.68007	218.78200	108.29684	5.14250	0.1002578	0.21387619	2.7692432	21	1 17.1	20.3
290063 2005 QU_{65}	15.9	X	354.82224	340.31222	299.02926	5.20691	0.2933316	0.18111668	3.0938346	21	6 12.9	18.5
290064 2005 QH_{66}	16.7	X	188.26206	132.95203	186.92931	7.55631	0.2213818	0.21661828	2.7458237	21	1 20.5	21.5
290065 2005 QE_{67}	16.6	X	181.88334	345.54920	3.25705	6.44662	0.1218534	0.21890606	2.7266592	21	2 16.6	20.8
290066 2005 QB_{69}	15.2	X	305.30654	356.45314	355.38208	27.65982	0.1328230	0.17925171	3.1152568	21	7 15.1	19.8
290067 2005 QS_{69}	17.3	X	165.86540	24.24047	263.77505	1.75266	0.2311701	0.27324563	2.3519815	21	—	—
290068 2005 QB_{70}	17.6	X	206.19998	312.98083	355.98291	4.11828	0.2621775	0.28176573	2.3043261	21	1 16.8	21.5
290069 2005 QM_{70}	17.4	X	144.05370	216.91124	165.11627	4.64964	0.2156821	0.27782177	2.3260830	21	2 17.9	20.6
290070 2005 QG_{71}	17.4	X	349.58670	334.17179	356.63693	7.11210	0.3312045	0.30695446	2.1764737	21	9 22.8	17.2
290071 2005 QW_{71}	15.2	X	314.69308	335.95143	345.26316	24.15894	0.2333389	0.17618720	3.1512763	21	5 14.9	19.8
290072 2005 QH_{73}	17.3	X	160.58941	7.40009	180.15613	21.71991	0.0356501	0.37294827	1.9114825	21	10 23.4	19.5
290073 2005 QN_{73}	17.2	X	243.57263	188.85046	216.32079	4.29887	0.1592955	0.29760265	2.2218335	21	6 22.1	20.3
290074 Donasadock	16.9	X	261.62520	310.70179	153.94114	24.01507	0.2443291	0.31186145	2.1535829	21	10 2.4	19.5
290075 2005 QR_{78}	17.7	X	64.99571	56.02338	344.80038	1.94123	0.2042554	0.26565028	2.3966017	21	—	—
290076 2005 QA_{81}	16.0	X	17.40086	163.94772	175.85505	10.25796	0.0975355	0.18962665	3.0005657	21	10 20.1	19.8
290077 2005 QA_{85}	15.5	X	245.77236	134.16576	337.61236	9.71249	0.0618619	0.18707973	3.0277376	21	9 27.2	19.9
290078 2005 QH_{85}	15.0	X	322.67114	323.60949	5.28066	20.93959	0.3052468	0.17632540	3.1496294	21	5 31.1	19.0
290079 2005 QD_{88}	18.0	X	141.85640	67.70665	326.69851	1.93840	0.2215812	0.27943078	2.3171450	21	3 4.2	21.4
290080 2005 QA_{89}	16.1	X	332.81586	176.61398	189.93243	12.50603	0.1489667	0.18175963	3.0865343	21	9 6.3	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290081 2005 QM_{89}	18.2	X	137.54666	212.08385	161.28472	0.94793	0.2391683	0.27710123	2.3301135	21	2 3.3	21.5
290082 2005 QQ_{89}	16.2	X	260.65169	183.03904	159.14814	0.98001	0.1783829	0.17147541	3.2087421	21	4 23.7	21.2
290083 2005 QX_{92}	16.5	X	159.80001	239.91170	146.94428	6.07210	0.0423707	0.22081465	2.7109247	21	3 4.3	20.3
290084 2005 QV_{93}	16.8	X	112.78486	195.80269	111.58744	6.67986	0.0923156	0.26258057	2.4152439	21	—	—
290085 2005 QH_{94}	16.8	X	88.31009	170.18588	151.07364	6.35825	0.1395512	0.26282353	2.4137552	21	—	—
290086 2005 QL_{95}	15.4	X	273.88099	353.89117	353.19099	8.94414	0.1025658	0.17370234	3.1812583	21	5 20.5	20.1
290087 2005 QR_{96}	17.6	X	205.10762	269.72589	116.85668	2.98195	0.1745065	0.29045790	2.2581212	21	4 20.0	21.1
290088 2005 QL_{98}	17.5	X	13.11723	285.42014	91.61722	2.87181	0.1423261	0.25617580	2.4553344	21	12 20.1	20.3
290089 2005 QJ_{100}	16.6	X	156.75802	92.97777	228.20141	2.52321	0.0951139	0.21040705	2.7995992	21	—	—
290090 2005 QS_{100}	16.3	X	159.72247	211.81229	189.25772	8.74672	0.2033275	0.22141610	2.7060133	21	4 2.9	20.7
290091 2005 QO_{102}	16.9	X	194.66977	137.42409	227.87294	1.86586	0.0794501	0.22339369	2.6900196	21	3 16.8	21.0
290092 2005 QN_{103}	16.5	X	177.46726	77.51144	315.24019	6.53788	0.0547516	0.22457019	2.6806162	21	3 28.9	20.4
290093 2005 QX_{103}	17.5	X	309.38280	170.34016	174.27980	9.79761	0.1404370	0.24028898	2.5623993	21	6 30.3	20.7
290094 2005 QJ_{104}	16.7	X	190.08921	251.57359	301.27277	5.91684	0.0611174	0.25591374	2.4570103	21	11 12.9	20.1
290095 2005 QN_{106}	15.1	X	315.62684	138.84068	138.87338	15.07037	0.1484221	0.17058179	3.2199387	21	4 19.2	19.6
290096 2005 QX_{108}	16.3	X	6.29694	185.38383	177.74091	1.27961	0.1176262	0.18953354	3.0015483	21	11 2.6	19.7
290097 2005 QL_{111}	16.5	X	239.91220	289.04326	357.37498	1.44729	0.0535337	0.21777883	2.7360599	21	1 30.1	20.4
290098 2005 QC_{112}	16.9	X	174.30781	187.29980	181.57363	5.19281	0.1311873	0.21930885	2.7233196	21	3 3.2	21.2
290099 2005 QC_{113}	16.0	X	328.25272	330.11595	166.54825	10.78358	0.0675937	0.20413999	2.8566081	21	—	—
290100 2005 QD_{113}	16.1	X	310.59175	202.02931	151.99808	4.07696	0.1497226	0.17754109	3.1352352	21	7 13.9	20.1
290101 2005 QP_{113}	15.9	X	286.16438	234.97449	158.23638	11.36887	0.2165652	0.17729967	3.1380806	21	7 18.7	20.3
290102 2005 QS_{113}	15.7	X	247.82757	242.96651	160.35106	5.38835	0.1772271	0.17243153	3.1968696	21	6 24.1	20.8
290103 2005 QA_{114}	16.3	X	347.05706	241.29877	71.50934	2.03502	0.1935966	0.17904407	3.1176648	21	7 20.7	19.5
290104 2005 QR_{114}	16.7	X	207.79632	224.94289	167.56857	5.01077	0.1711529	0.22712324	2.6604902	21	5 4.1	21.1
290105 2005 QH_{116}	15.7	X	93.85750	36.27897	162.46747	9.85937	0.0310281	0.17844106	3.1246845	21	7 20.8	20.2
290106 2005 QL_{116}	16.8	X	177.41414	276.62881	159.60051	5.66120	0.0958908	0.23209094	2.6223899	21	5 29.4	20.8
290107 2005 QA_{117}	17.4	X	228.30061	315.16407	343.98954	5.98490	0.2084922	0.28356583	2.2945637	21	1 21.5	21.2
290108 2005 QO_{117}	16.7	X	313.43658	35.63056	144.31637	4.55844	0.0380365	0.21343519	2.7730564	21	—	—
290109 2005 QX_{117}	16.0	X	324.00754	330.36564	151.24324	6.53207	0.0442338	0.20433391	2.8548005	21	—	—
290110 2005 QE_{118}	16.7	X	341.23178	33.68409	355.38633	3.18556	0.2021061	0.18857653	3.0116948	21	10 25.6	19.6
290111 2005 QT_{118}	16.9	X	123.33996	42.04263	151.32328	2.51413	0.0736328	0.24565824	2.5249251	21	8 29.1	20.4
290112 2005 QB_{120}	16.7	X	301.72098	256.49383	339.46905	4.28862	0.1035202	0.22321379	2.6914648	21	2 1.3	20.4
290113 2005 QB_{123}	16.3	X	90.11645	318.76877	336.49292	1.38433	0.0552587	0.19461164	2.9491046	21	11 19.8	20.6
290114 2005 QZ_{123}	16.6	X	149.42992	213.56612	165.93540	13.38439	0.0621093	0.21761258	2.7374533	21	2 11.3	20.6
290115 2005 QV_{124}	16.4	X	146.81737	85.49704	158.88892	8.63924	0.1535359	0.19786219	2.9167162	21	11 24.7	21.3
290116 2005 QM_{126}	16.3	X	232.80236	75.78868	339.11281	2.04166	0.0462998	0.17607762	3.1525836	21	7 6.1	20.7
290117 2005 QL_{128}	16.1	X	2.02002	339.79711	108.05842	3.18566	0.0299993	0.20384693	2.8593452	21	—	—
290118 2005 QP_{128}	16.3	X	109.39155	270.76169	64.77251	2.98800	0.0688371	0.20379221	2.8598571	21	—	—
290119 2005 QV_{132}	16.9	X	152.92302	271.85308	43.58503	4.09411	0.0860615	0.20862603	2.8155099	21	—	—
290120 2005 QB_{134}	17.0	X	249.21294	287.27582	36.81595	1.02876	0.0672901	0.22556175	2.6727546	21	3 26.3	20.9
290121 2005 QU_{134}	16.5	X	7.41345	245.56974	159.12726	5.27178	0.1521190	0.19447787	2.9504567	21	—	—
290122 2005 QL_{135}	17.1	X	177.85969	105.75271	7.51810	4.65170	0.1053294	0.23586750	2.5943226	21	7 17.4	21.0
290123 2005 QF_{137}	16.5	X	223.10356	158.21409	124.94535	3.97971	0.0456638	0.21358421	2.7717664	21	1 8.1	20.4
290124 2005 QC_{142}	17.1	X	252.13318	256.14235	183.10446	20.23944	0.2738099	0.30167781	2.2017794	21	8 1.2	20.7
290125 2005 QO_{148}	15.7	X	24.39656	221.21894	106.05071	10.91545	0.1384568	0.18896746	3.0075397	21	10 22.9	19.6
290126 2005 QP_{148}	17.4	X	21.63547	189.54335	96.37884	8.23508	0.2111871	0.30837441	2.1697873	21	9 17.0	19.2
290127 Linakostenko	14.9	X	295.78623	9.24714	320.10249	27.71480	0.1673230	0.17566808	3.1574815	21	5 8.5	19.9
290128 2005 QD_{150}	17.2	X	231.13896	275.30698	153.68071	7.13290	0.0877448	0.29986341	2.2106521	21	7 18.6	20.0
290129 Rátzlászló	16.3	X	305.89051	235.03523	166.21760	11.13075	0.2205645	0.18388785	3.0626734	21	8 28.6	19.9
290130 2005 QC_{153}	17.4	X	10.33992	26.49801	301.80545	2.23311	0.1812648	0.30806346	2.1712471	21	10 21.7	19.2
290131 2005 QH_{153}	17.2	X	88.28651	201.70939	73.91323	2.53020	0.1545256	0.25652407	2.4531116	21	11 13.9	20.7
290132 2005 QJ_{153}	17.3	X	210.92906	82.14389	351.49335	7.88307	0.0755346	0.30105718	2.2048043	21	7 2.5	20.3
290133 2005 QS_{153}	17.0	X	66.48349	301.34791	61.71631	6.89813	0.0942280	0.26247436	2.4158954	21	—	—
290134 2005 QB_{154}	16.2	X	348.98881	156.29017	98.86335	8.52878	0.1230886	0.23290326	2.6162888	21	5 6.4	19.1
290135 2005 QH_{154}	15.4	X	269.37512	309.75569	56.72843	11.70142	0.1253990	0.17291348	3.1909266	21	6 7.1	20.0
290136 2005 QK_{154}	15.7	X	333.18257	314.24825	36.35548	13.10937	0.1597567	0.18138206	3.0908161	21	8 24.7	19.5
290137 2005 QH_{155}	17.1	X	199.12638	158.80728	119.91049	7.46356	0.0953986	0.27523511	2.3406339	21	—	—
290138 2005 QQ_{155}	17.6	X	125.20207	332.30747	43.66810	2.97373	0.2346626	0.27524158	2.3405973	21	1 24.3	20.6
290139 2005 QR_{156}	15.1	X	282.58460	53.29020	291.80259	15.93848	0.0251300	0.17240661	3.1971777	21	6 12.4	19.7
290140 2005 QZ_{159}	17.1	X	46.81148	321.03169	355.23542	20.75643	0.0638973	0.37782628	1.8949944	21	11 17.6	19.6
290141 2005 QM_{161}	15.9	X	340.72631	313.60068	22.34904	10.13733	0.2472236	0.18290900	3.0735904	21	8 10.8	19.0
290142 2005 QH_{162}	16.3	X	295.90950	15.05244	9.40401	6.19046	0.0499207	0.24533953	2.5271112	21	8 22.4	19.4
290143 2005 QS_{166}	16.1	X	121.94287	186.23096	177.80822	18.54586	0.2778612	0.21119480	2.7926332	21	1 19.9	20.5
290144 2005 QT_{168}	16.1	X	152.00300	119.56773	209.40858	10.17177	0.2285823	0.21031419	2.8004232	21	1 2.9	20.7
290145 2005 QY_{174}	17.1	X	69.74416	65.29641	259.20094	5.64808	0.3108658	0.25853498	2.4403746	21	—	—
290146 2005 QC_{175}	15.6	X	258.27929	263.18324	178.04068	25.15739	0.2871806	0.17818052	3.1277299	21	8 5.2	20.8
290147 2005 QE_{175}	17.7	X	196.36285	121.33242	186.46203	4.81553	0.1856743	0.27794243	2.3254097	21	1 3.5	21.4
290148 2005 QT_{177}	16.3	X	202.47403	57.96565	273.56345	4.48439	0.1214901	0.21906025	2.7253796	21	2 12.1	20.7
290149 2005 QX_{177}	17.0	X	183.20776	143.09105	183.58167	4.63127	0.1200798	0.21467179	2.7623968	21	1 20.1	21.3
290150 2005 QQ_{178}	17.4	X	25.73618	240.58797	146.91431	5.11443	0.1877567	0.25740287	2.4475250	21	—	—
290151 2005 QW_{178}	15.5	X	332.29713	57.12345	312.03932	10.97431	0.1350179	0.18273295	3.0755643	21	9 7.7	19.2
290152 2005 QJ_{179}	15.6	X	302.19222	35.84665	357.01106	9.46502	0.0879520	0.18176427	3.0864817	21	9 1.8	19.7
290153 2005 QY_{179}	16.0	X	129.80686	283.97104	157.08455	14.34992	0.0472331	0.22313021	2.6921369	21	4 9.2	19.8
290154 2005 QX_{182}	16.4	X	258.17766	344.71773	334.11149	5.29319	0.0264079	0.22657934	2.6647462	21	4 1.3	20.1
290155 2005 QZ_{182}	15.9	X	116.17004	227.83829	116.49451	10.31113	0.1399223	0.20580199	2.8412078	21	—	—
290156 2005 QL_{183}	18.1	X	126.79395	183.84225	116.02565	5.73103	0.1878278	0.26684697	2.3894312	21	—	—
290157 2005 QV_{187}	15.7	X	357.49491	303.89251	336.11164	9.49509	0.2022295	0.17814919	3.1280965	21	6 25.9	19.0
290158 2005 QC_{188}	16.4	X	121.40973	266.60782	54.00431	2.79117	0.0683199	0.20283724	2.8688263	21	—	—
290159 2005 QK_{190}	17.2	X	206.77958	88.01374	274.01566	1.96017	0.1081269	0.22415912	2.6838924	21	3 25.1	21.4
290160 2005 RK_{1}	17.4	X	311.68890	293.44780	59.77695	2.82557	0.2123543	0.24367312	2.5386197	21	7 6.0	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290161 2005 RE_2	15.8	X	176.78057	26.41289	281.96409	16.37368	0.1269372	0.20852863	2.8163866	21	—	—
290162 2005 RC_5	16.7	X	269.38991	213.00036	129.18194	4.43965	0.0306335	0.23106221	2.6301677	21	5 19.5	20.2
290163 2005 RT_{11}	15.0	X	195.93663	161.12658	192.52510	9.52681	0.0682632	0.15565687	3.4226082	21	3 11.3	20.2
290164 2005 RB_{12}	17.2	X	298.23619	359.27847	324.79786	0.58868	0.2030543	0.23658678	2.5890617	21	5 4.8	20.7
290165 2005 RK_{18}	14.8	X	277.37710	337.86059	355.85743	18.66168	0.1310512	0.17128691	3.2110959	21	4 28.9	19.7
290166 2005 RX_{18}	16.9	X	155.28908	208.02606	159.02509	4.50927	0.1071906	0.21544670	2.7557691	21	2 8.7	20.9
290167 2005 RM_{20}	16.2	X	42.64547	88.44975	268.41413	9.23238	0.1179200	0.19357820	2.9595913	21	12 16.9	20.2
290168 2005 RL_{21}	15.6	X	10.86726	299.55439	51.27736	11.49245	0.1035720	0.19057100	2.9906449	21	10 25.7	19.3
290169 2005 RO_{21}	16.8	X	57.07502	149.23993	222.92478	5.77690	0.1179363	0.26267520	2.4146638	21	—	—
290170 2005 RR_{25}	15.4	X	280.62772	141.48737	178.21338	26.28845	0.2384144	0.17290788	3.1909955	21	4 11.7	20.4
290171 2005 RY_{25}	16.5	X	29.85198	214.88160	83.90269	3.61757	0.2519549	0.18590744	3.0404523	21	10 6.9	20.0
290172 2005 RB_{28}	17.0	X	271.69766	89.64029	199.69760	1.41217	0.1867684	0.22712493	2.6604771	21	2 22.6	21.2
290173 2005 RJ_{29}	15.5	X	278.33501	212.18332	200.76813	16.53121	0.2475353	0.17721982	3.1390232	21	7 26.5	20.3
290174 2005 RB_{33}	15.5	X	322.68166	266.77622	122.64806	14.95862	0.3313616	0.18086211	3.0967370	21	9 2.1	18.4
290175 2005 RM_{40}	17.4	X	211.28521	129.58821	182.27246	25.00994	0.1367252	0.27954446	2.3165168	21	1 17.7	21.5
290176 2005 RB_{42}	17.9	X	66.97792	184.53669	217.17701	1.76144	0.1967478	0.26668481	2.3903997	21	—	—
290177 2005 RT_{43}	17.7	X	104.03727	295.60864	151.22389	2.10050	0.1851729	0.27967670	2.3157865	21	3 24.8	20.4
290178 2005 RF_{44}	15.7	X	307.60663	313.18741	8.53736	27.10962	0.1969279	0.17471272	3.1689814	21	5 8.6	20.3
290179 2005 RT_{45}	17.6	X	264.37613	240.79856	164.91102	6.68154	0.0923377	0.23918126	2.5703047	21	7 27.1	21.0
290180 2005 RK_{48}	16.2	X	177.46058	310.52684	47.94095	9.57286	0.1787911	0.21784214	2.7355298	21	3 1.8	20.8
290181 2005 RZ_{50}	16.3	X	201.52458	48.58946	254.79691	6.70995	0.2059627	0.21708515	2.7418855	21	1 11.9	21.0
290182 2005 RT_{51}	16.2	X	45.93901	328.88456	341.05067	9.21010	0.1117949	0.18856943	3.0117704	21	10 18.5	20.4
290183 2005 SZ_4	16.5	X	216.05932	216.02053	177.28321	5.21316	0.0473607	0.22744838	2.6579542	21	5 18.3	20.2
290184 2005 SG_5	16.8	X	159.52306	68.96716	325.90785	4.09814	0.1702141	0.22116328	2.7080751	21	3 22.4	21.1
290185 2005 SL_6	16.3	X	112.72872	162.42405	290.72044	2.78751	0.0672814	0.21798173	2.7343618	21	4 1.6	20.1
290186 2005 SF_7	17.1	X	162.19870	244.68359	196.48108	4.54968	0.1712178	0.22522314	2.6754328	21	5 23.0	21.4
290187 2005 SY_{10}	15.5	X	54.91942	76.16570	203.49698	14.98352	0.0335924	0.18126065	3.0921961	21	9 10.7	20.0
290188 2005 SG_{11}	16.1	X	77.94972	10.35479	15.14304	15.41871	0.1402722	0.20244914	2.8724916	21	—	—
290189 2005 SC_{14}	17.1	X	128.34522	227.38699	182.48610	5.42060	0.0498288	0.21609097	2.7502888	21	2 23.1	21.0
290190 2005 SJ_{15}	17.0	X	156.54193	24.33993	344.58732	2.91640	0.1032905	0.21479649	2.7613276	21	2 13.0	21.1
290191 2005 SX_{15}	16.1	X	167.97635	311.75888	197.86736	11.54966	0.1082936	0.17605383	3.1528676	21	8 16.2	21.2
290192 2005 SM_{22}	16.6	X	9.77700	251.86204	123.41987	4.27089	0.2033160	0.18984790	2.9982339	21	12 4.6	19.9
290193 2005 SD_{23}	17.8	X	75.45364	184.59656	171.54598	1.55809	0.2069806	0.26298626	2.4127594	21	—	—
290194 2005 SV_{24}	15.2	X	296.74310	321.03356	51.48167	9.97740	0.1042738	0.17762398	3.1342597	21	7 27.5	19.5
290195 2005 SD_{27}	16.7	X	205.90517	41.25258	307.30678	5.58660	0.0304522	0.21953842	2.7214207	21	3 7.2	20.5
290196 2005 SF_{27}	16.6	X	170.00535	76.56734	268.06918	4.42619	0.0665950	0.21286776	2.7779822	21	1 24.6	20.7
290197 2005 SY_{27}	17.4	X	278.98466	48.10146	352.31228	10.39530	0.1258713	0.23945237	2.5683643	21	8 8.5	20.7
290198 2005 SX_{28}	16.5	X	343.83405	69.27063	332.62782	4.50149	0.2021192	0.18732848	3.0250566	21	11 17.3	19.6
290199 2005 SS_{29}	16.0	X	292.48185	45.20419	348.68756	9.40375	0.0701741	0.17813743	3.1282342	21	8 22.5	20.3
290200 2005 SE_{32}	16.5	X	86.95011	26.26645	49.93367	5.85232	0.1968658	0.20977092	2.8052561	21	3 1.7	20.0
290201 2005 SK_{34}	16.6	X	144.17762	277.41310	80.15290	4.59116	0.1020997	0.20938389	2.8087120	21	1 17.7	20.6
290202 2005 SD_{36}	15.5	X	344.96105	345.48999	3.75980	14.26984	0.0338279	0.18161733	3.0881462	21	9 11.6	19.7
290203 2005 SM_{37}	16.2	X	37.87556	29.26071	11.75994	13.88594	0.1516153	0.19806763	2.9146990	21	—	—
290204 2005 SN_{37}	16.0	X	85.10249	82.26301	184.49891	10.09257	0.0401022	0.18514524	3.0487912	21	10 7.7	20.2
290205 2005 SC_{38}	15.9	X	10.12685	315.46634	14.07728	10.92605	0.2164988	0.18486315	3.0518919	21	10 4.9	18.9
290206 2005 SW_{38}	16.9	X	136.40921	344.24529	9.25152	4.74207	0.1208658	0.20863691	2.8154120	21	1 6.7	20.9
290207 2005 SM_{39}	16.8	X	48.18939	38.22372	20.54974	1.92193	0.0902534	0.20269207	2.8701960	21	—	—
290208 2005 SN_{40}	17.4	X	346.79719	315.95161	24.79998	4.07654	0.1842255	0.30659883	2.1781564	21	9 20.0	18.5
290209 2005 SA_{41}	15.7	X	119.50172	202.72149	15.98997	5.79044	0.1051478	0.18272859	3.0756132	21	9 24.9	20.3
290210 2005 SH_{41}	16.2	X	256.75203	258.62078	12.89496	13.08021	0.1916108	0.21846199	2.7303530	21	1 24.3	20.9
290211 2005 SF_{42}	16.3	X	99.72538	139.68262	226.27906	5.22765	0.0854915	0.20319502	2.8654578	21	—	—
290212 2005 SB_{44}	15.9	X	24.56043	70.51121	213.00569	10.70495	0.0759298	0.17627258	3.1502586	21	8 8.7	20.2
290213 2005 SG_{44}	16.8	X	322.18839	314.94226	352.87176	5.09238	0.2234790	0.23531241	2.5984009	21	5 14.2	19.8
290214 2005 SH_{44}	16.4	X	212.98977	136.81149	208.53615	8.29040	0.1741906	0.22059200	2.7127486	21	3 9.1	20.9
290215 2005 SV_{45}	15.8	X	312.01557	137.49652	203.38738	12.02059	0.0764966	0.17339403	3.1850283	21	7 7.0	20.2
290216 2005 SY_{45}	17.8	X	140.87092	38.18378	257.26138	1.52998	0.1988209	0.26417811	2.4054970	21	—	—
290217 2005 SO_{48}	14.9	X	299.71670	334.13434	24.54503	17.36874	0.2031367	0.17570352	3.1570569	21	6 25.1	19.4
290218 2005 SE_{49}	16.1	X	46.64338	54.26414	201.82996	8.88708	0.0722340	0.17412778	3.1760744	21	8 5.4	20.5
290219 2005 SX_{50}	16.2	X	195.99019	40.93482	15.80786	9.38256	0.1752377	0.22634981	2.6665473	21	5 19.9	20.7
290220 2005 SG_{51}	16.9	X	151.10227	316.25715	203.57499	4.27912	0.0696489	0.23606762	2.5928562	21	8 14.6	20.6
290221 2005 SN_{53}	17.0	X	106.42890	53.78074	350.31106	5.42709	0.2373388	0.27153116	2.3618715	21	2 7.6	19.6
290222 2005 SY_{53}	16.9	X	156.47836	267.91755	194.43622	5.56995	0.1572976	0.22639357	2.6662037	21	6 12.3	21.2
290223 2005 SS_{54}	16.5	X	83.57194	75.72039	196.81279	9.88828	0.0513132	0.18433944	3.0576695	21	10 14.0	20.7
290224 2005 SU_{56}	17.6	X	110.64255	113.94504	186.21419	1.16935	0.1728925	0.26310984	2.4120038	21	—	—
290225 2005 ST_{58}	16.7	X	114.46979	10.72169	206.23709	1.85269	0.1277555	0.24290690	2.5439553	21	9 23.1	20.3
290226 2005 SL_{59}	16.9	X	36.15425	55.42717	23.95271	2.14410	0.0370112	0.20376683	2.8600945	21	—	—
290227 2005 SL_{62}	16.9	X	289.67129	136.72219	187.45896	2.03828	0.0868677	0.23022334	2.6365528	21	5 12.8	20.4
290228 2005 SA_{63}	16.7	X	121.55839	194.54211	207.77718	3.50054	0.2209532	0.21302514	2.7766138	21	2 28.6	20.8
290229 2005 SP_{63}	16.9	X	204.24943	173.87192	193.55876	3.28267	0.0999735	0.22212989	2.7002132	21	3 30.4	20.9
290230 2005 SB_{64}	16.3	X	88.42460	222.76813	12.12265	1.37802	0.0172968	0.17790190	3.1309946	21	8 28.7	20.6
290231 2005 SR_{64}	16.9	X	1.96359	68.32306	192.47631	3.26323	0.0678069	0.23174099	2.6250292	21	6 6.5	19.9
290232 2005 SL_{65}	16.6	X	268.15981	133.43058	206.89570	14.43493	0.2207487	0.23158382	2.6262168	21	4 19.8	20.6
290233 2005 SF_{71}	17.2	X	330.56655	353.02832	49.23514	25.35859	0.0574397	0.37522500	1.9037425	21	11 30.4	18.9
290234 2005 SF_{73}	16.5	X	121.72888	221.39810	172.85460	4.13306	0.2012230	0.21007473	2.8025509	21	2 17.5	20.5
290235 2005 SO_{74}	16.7	X	91.98601	10.60575	10.44493	1.87583	0.1040573	0.20553207	2.8436948	21	—	—
290236 2005 SP_{74}	16.9	X	342.99522	25.26519	184.48876	5.17112	0.0512685	0.22039911	2.7143311	21	2 28.4	20.3
290237 2005 SN_{81}	16.8	X	72.53313	230.51828	162.11014	1.15140	0.1246096	0.20365374	2.8611533	21	—	—
290238 2005 SR_{81}	16.4	X	346.42710	286.35838	45.72603	1.16835	0.0846816	0.17973485	3.1096716	21	8 19.0	20.2
290239 2005 SS_{81}	16.1	X	338.59642	95.96214	15.46146	7.37942	0.0413266	0.20141339	2.8823308	21	—	—
290240 2005 SC_{86}	16.7	X	100.54753	258.67842	154.31740	2.21986	0.0957121	0.21081840	2.7959562	21	1 31.2	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290241 2005 SY_{90}	15.7	X	358.14347	329.22283	18.17847	9.30369	0.1341226	0.18230643	3.0803594	21	9 30.1	19.3
290242 2005 SA_{93}	15.1	X	281.06238	38.30748	17.34633	16.40417	0.0788939	0.17838489	3.1253405	21	9 7.7	19.5
290243 2005 SD_{95}	15.2	X	163.17901	220.77879	296.49803	16.60745	0.0059529	0.17844620	3.1246246	21	8 17.1	19.8
290244 2005 SB_{98}	16.2	X	253.90171	276.84006	232.28669	8.88902	0.0164746	0.19187694	2.9770596	21	12 2.5	20.2
290245 2005 SH_{98}	16.6	X	192.09282	78.21126	263.18798	5.29772	0.0148917	0.21478489	2.7614270	21	2 10.1	20.5
290246 2005 SU_{101}	16.0	X	122.99647	356.90187	228.14855	8.86323	0.0551552	0.18265376	3.0764532	21	9 28.7	20.6
290247 2005 SW_{101}	16.6	X	145.07557	81.12223	297.54837	4.13980	0.0129664	0.21272209	2.7792503	21	1 31.9	20.4
290248 2005 SJ_{102}	17.2	X	251.26621	41.31615	338.64816	5.19878	0.2386155	0.29455485	2.2371337	21	5 17.2	20.6
290249 2005 SV_{104}	15.9	X	12.60689	296.92852	31.66925	6.31560	0.2176224	0.18386087	3.0629731	21	10 9.3	19.1
290250 2005 SD_{107}	16.2	X	288.19776	1.72647	308.29813	12.37204	0.1805994	0.23129603	2.6283948	21	3 31.6	20.2
290251 2005 SA_{108}	15.1	X	89.88970	50.63655	215.20780	3.23266	0.0958028	0.12355739	3.9923037	21	10 11.3	20.9
290252 2005 SC_{110}	14.8	X	103.89140	240.19537	16.93178	7.92978	0.1606447	0.12473267	3.9671861	21	10 22.1	20.9
290253 2005 SB_{111}	16.4	X	43.93791	82.15851	237.30784	0.51128	0.0998181	0.18693923	3.0292544	21	10 29.6	20.5
290254 2005 SE_{113}	16.2	X	150.06938	190.24619	220.51728	12.29435	0.1292804	0.21888289	2.7268516	21	3 28.4	20.4
290255 2005 SL_{113}	16.7	X	74.61194	223.79088	335.38574	1.21284	0.1326642	0.23375467	2.6099320	21	7 13.6	20.1
290256 2005 SB_{114}	16.8	X	198.98288	269.41172	349.94631	1.45881	0.0288845	0.20366025	2.8610923	21	—	—
290257 2005 SA_{118}	16.7	X	9.63920	274.73178	108.84721	5.98189	0.1150674	0.25402764	2.4691572	21	12 19.2	19.5
290258 2005 SD_{121}	16.5	X	94.02787	66.00999	339.20923	4.37837	0.1218236	0.20849313	2.8167062	21	1 17.9	20.0
290259 2005 SW_{122}	15.2	X	59.95665	31.98278	207.67924	16.10463	0.0240917	0.17576235	3.1563523	21	7 25.2	19.9
290260 2005 SK_{123}	17.1	X	275.93088	50.54493	330.90849	3.45850	0.1532245	0.23698633	2.5861509	21	7 1.1	20.5
290261 2005 SX_{123}	17.7	X	174.83390	284.56555	102.05159	2.27001	0.2296096	0.28246932	2.3004980	21	3 26.4	21.5
290262 2005 ST_{124}	16.2	X	272.12373	120.44570	203.60664	13.88793	0.0680489	0.22705776	2.6610017	21	4 22.9	19.9
290263 2005 SN_{126}	17.5	X	118.05258	253.20032	94.12349	3.12879	0.2395071	0.26795493	2.3828400	21	—	—
290264 2005 SD_{127}	16.2	X	328.67750	157.30729	187.65592	7.64140	0.1941998	0.17878664	3.1206568	21	7 26.1	19.7
290265 2005 SG_{133}	17.8	X	79.17416	271.20618	17.09354	3.64686	0.2150213	0.31424924	2.1426598	21	12 3.7	20.9
290266 2005 SA_{136}	16.5	X	252.46083	190.12370	39.15277	3.20959	0.2198686	0.21068322	2.7971521	21	—	—
290267 2005 SC_{137}	16.1	X	241.87471	236.41925	27.19856	5.13781	0.1190508	0.21273681	2.7791221	21	1 2.7	20.5
290268 2005 SX_{138}	17.9	X	147.11808	19.84013	101.22727	1.33051	0.0659521	0.29367834	2.2415827	21	6 19.2	20.7
290269 2005 SW_{139}	16.2	X	209.35415	140.08185	173.20024	6.48600	0.0509390	0.21458490	2.7631425	21	1 28.2	20.2
290270 2005 SS_{142}	15.5	X	13.76919	303.07116	28.63999	13.68252	0.1131461	0.18444857	3.0564633	21	10 5.8	19.2
290271 2005 SV_{143}	16.8	X	322.45824	102.19000	49.12655	6.08239	0.0786953	0.20431088	2.8550149	21	—	—
290272 2005 SN_{145}	17.1	X	131.60251	293.37789	69.71396	3.46849	0.0836734	0.20927647	2.8096730	21	1 7.4	20.9
290273 2005 SS_{145}	16.9	X	286.93747	84.67551	69.25046	3.00854	0.0259588	0.19945063	2.9012096	21	—	—
290274 2005 SA_{147}	17.2	X	172.65146	93.20630	69.07452	1.30633	0.0593130	0.24131038	2.5551636	21	9 14.6	20.7
290275 2005 SV_{147}	17.0	X	56.86693	84.12744	26.12736	8.39533	0.1979030	0.27180894	2.3602621	21	2 6.9	18.9
290276 2005 SO_{148}	16.5	X	173.58550	140.97665	187.34002	5.31863	0.1004135	0.20961676	2.8066314	21	1 12.1	20.8
290277 2005 SS_{148}	16.2	X	86.57671	39.59353	189.20328	6.49058	0.1676141	0.23949617	2.5680511	21	9 11.3	19.9
290278 2005 SO_{149}	17.3	X	163.75048	2.65032	74.91625	3.31639	0.1308037	0.22340157	2.6899563	21	5 17.7	21.3
290279 2005 ST_{149}	16.6	X	305.13081	168.93893	169.48592	3.11352	0.1891776	0.17312981	3.1882680	21	6 9.6	20.7
290280 2005 SU_{149}	17.2	X	47.00117	105.12000	180.54054	5.46352	0.1811203	0.24541135	2.5266182	21	10 11.6	20.3
290281 2005 SD_{154}	17.4	X	44.85673	157.82728	280.89785	1.66577	0.1622158	0.26739924	2.3861401	21	—	—
290282 2005 SA_{156}	15.9	X	57.41144	318.05778	13.24510	8.79229	0.0882582	0.19081421	2.9881031	21	11 27.3	20.2
290283 2005 SR_{157}	17.9	X	151.87115	201.99120	172.07040	2.04882	0.1998949	0.27634978	2.3343356	21	2 14.4	21.4
290284 2005 SF_{160}	16.7	X	193.14374	143.97598	215.09171	3.61306	0.1015999	0.21983027	2.7190115	21	3 7.9	20.8
290285 2005 SH_{160}	17.2	X	17.91327	346.11976	271.81157	1.87437	0.1025550	0.23582018	2.5946697	21	6 30.5	20.0
290286 2005 SM_{160}	17.0	X	342.35084	180.19875	350.70989	3.89298	0.0229520	0.21228767	2.7830405	21	1 15.9	20.8
290287 2005 SX_{160}	17.0	X	11.06121	213.45198	228.18008	1.11696	0.0304025	0.20173701	2.8792475	21	—	—
290288 2005 SV_{164}	16.0	X	281.32413	275.94214	54.61953	13.42581	0.2851392	0.23069271	2.6329754	21	4 17.4	20.1
290289 2005 SU_{165}	16.6	X	170.97910	279.83883	103.85240	4.38925	0.0960711	0.21983358	2.7189843	21	3 18.7	20.6
290290 2005 SO_{167}	16.4	X	131.81665	247.66058	163.90674	17.77165	0.3155104	0.21375341	2.7703034	21	4 3.9	21.1
290291 2005 SM_{168}	15.7	X	265.40128	310.78763	330.28667	7.63948	0.0273804	0.15635935	3.4123493	21	3 4.2	20.7
290292 2005 SZ_{168}	17.4	X	299.05779	165.13184	215.37795	7.13610	0.1640574	0.24083230	2.5585440	21	7 29.7	20.5
290293 2005 SE_{169}	16.4	X	74.38646	166.58676	318.27886	4.29511	0.0650959	0.21931502	2.7232685	21	3 21.6	19.9
290294 2005 SV_{169}	16.5	X	290.29014	56.55623	329.04036	4.16525	0.1577306	0.17672094	3.1449280	21	7 25.3	20.6
290295 2005 SN_{170}	15.7	X	343.98986	126.05571	209.54430	9.87481	0.0916377	0.17908482	3.1171918	21	8 15.4	19.7
290296 2005 ST_{171}	16.2	X	230.55391	324.83604	324.62917	3.47652	0.0423231	0.21450769	2.7638055	21	1 24.5	20.2
290297 2005 SV_{175}	16.7	X	153.39965	133.70464	325.12944	4.35475	0.0944868	0.22717715	2.6600693	21	5 30.7	20.7
290298 2005 SQ_{176}	17.2	X	74.26282	138.95799	290.57912	2.42152	0.1598341	0.27047947	2.3679899	21	1 4.7	19.3
290299 2005 SS_{176}	17.7	X	137.39710	264.35213	224.98355	4.62573	0.1489664	0.29137231	2.2533944	21	6 26.3	20.8
290300 2005 SF_{178}	16.5	X	252.06377	307.10266	308.46426	3.80357	0.1122616	0.21277147	2.7788203	21	1 3.1	20.8
290301 2005 SE_{179}	17.5	X	155.53816	181.25306	217.50318	1.85849	0.2311616	0.28056335	2.3109050	21	3 23.4	21.1
290302 2005 SX_{179}	15.9	X	249.40091	218.72385	177.77918	5.47749	0.1733111	0.17209241	3.2010680	21	6 17.9	20.9
290303 2005 SA_{181}	15.2	X	327.32980	280.00415	7.52191	18.28004	0.1323165	0.16909567	3.2387770	21	5 9.1	19.6
290304 2005 SU_{181}	16.6	X	148.14656	255.85665	246.97552	3.42448	0.0843370	0.23341458	2.6124665	21	7 21.1	20.4
290305 2005 SX_{181}	16.9	X	93.09634	207.85258	228.69941	4.51292	0.0125617	0.21364829	2.7712121	21	2 6.6	20.6
290306 2005 SZ_{181}	16.6	X	227.42955	317.38452	332.57782	3.14803	0.0715515	0.21300189	2.7768158	21	1 21.2	20.7
290307 2005 SA_{182}	15.8	X	129.92506	58.62210	213.83188	9.58100	0.0634570	0.19299290	2.9655722	21	12 7.2	20.3
290308 2005 SM_{184}	16.5	X	210.82130	182.18404	345.52498	4.51039	0.0740911	0.18742696	3.0239969	21	10 25.5	20.9
290309 2005 SN_{184}	15.8	X	288.83890	107.35606	228.07110	4.35732	0.0733137	0.16914384	3.2381621	21	5 31.9	20.3
290310 2005 SM_{186}	16.3	X	157.96451	18.35985	187.94732	6.71201	0.0314484	0.18590766	3.0404500	21	10 18.0	20.7
290311 2005 SD_{190}	16.0	X	168.15070	215.01615	182.05627	10.19088	0.1741383	0.21937689	2.7227565	21	4 4.6	20.5
290312 2005 SL_{191}	16.6	X	283.29578	152.93355	171.06254	14.21860	0.2762503	0.23112868	2.6296634	21	4 10.4	20.6
290313 2005 SS_{191}	17.1	X	135.86064	254.32544	182.38748	2.60076	0.1455036	0.21838888	2.7309622	21	4 19.7	21.1
290314 2005 SP_{195}	15.2	X	342.31453	307.73866	330.76147	11.92083	0.0877621	0.17399849	3.1776476	21	5 29.7	19.5
290315 2005 ST_{195}	17.0	X	56.92565	52.74873	5.53326	1.72013	0.0637756	0.20533345	2.8455284	21	—	—
290316 2005 SV_{195}	16.7	X	155.80267	29.53359	13.93528	6.17171	0.0404883	0.22051677	2.7133655	21	3 20.6	20.4
290317 2005 SJ_{198}	16.7	X	51.75430	185.97799	212.76905	1.30282	0.0695526	0.20330528	2.8644216	21	—	—
290318 2005 SW_{202}	16.7	X	209.63771	74.92547	174.31709	2.06901	0.0410589	0.20460513	2.8522770	21	—	—
290319 2005 SP_{204}	16.9	X	351.94690	101.07966	183.42665	9.20737	0.1930168	0.23742160	2.5829890	21	6 17.7	19.3
290320 2005 SK_{205}	15.3	X	292.06448	98.34877	201.88900	18.01505	0.2247342	0.16922701	3.2371011	21	3 30.3	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290321 2005 SR_{207}	16.8	X	44.51663	160.71015	273.15855	4.40300	0.1659320	0.26519641	2.3993353	21	—	—
290322 2005 SH_{211}	15.9	X	50.97169	320.75954	359.26226	8.87947	0.1403584	0.18904864	3.0066786	21	11 11.7	20.2
290323 2005 SO_{211}	17.1	X	155.24284	283.28214	215.24893	2.08921	0.0429713	0.23375669	2.6099169	21	7 21.8	20.8
290324 2005 SM_{213}	15.7	X	34.44559	59.06509	212.45868	8.22297	0.0506233	0.17430217	3.1739556	21	8 5.6	20.1
290325 2005 SL_{214}	15.6	X	292.04255	188.29065	222.78477	14.66148	0.1934429	0.17781214	3.1320482	21	8 18.1	20.0
290326 2005 SY_{215}	17.7	X	145.88198	139.68359	266.38127	3.72823	0.2184837	0.27945475	2.3170126	21	3 21.1	21.2
290327 2005 SJ_{217}	16.0	X	152.84338	47.88064	29.01510	14.38036	0.1889000	0.22002310	2.7174227	21	5 7.2	20.4
290328 2005 SX_{217}	17.4	X	29.94570	312.18920	30.14177	2.62269	0.1079814	0.31131364	2.1561085	21	12 3.9	19.6
290329 2005 SV_{224}	16.9	X	259.09819	100.93730	193.31139	11.44391	0.0712705	0.22003911	2.7172909	21	2 25.5	20.9
290330 2005 SR_{225}	15.3	X	14.58531	78.88617	215.18654	9.63720	0.1331352	0.17571610	3.1569063	21	8 11.7	19.3
290331 2005 SU_{226}	15.9	X	157.42784	343.87807	146.76789	0.87186	0.1090441	0.16993490	3.2281051	21	7 16.5	20.8
290332 2005 SZ_{226}	16.8	X	327.11968	106.42071	23.09546	6.38693	0.0422912	0.20127237	2.8836770	21	—	—
290333 2005 SY_{227}	16.9	X	51.66168	122.03548	29.06164	2.67171	0.0159522	0.22063441	2.7124009	21	3 21.7	20.4
290334 2005 SP_{231}	16.6	X	53.76463	42.53248	34.84714	2.36789	0.0520537	0.20444659	2.8537514	21	—	—
290335 2005 SF_{235}	16.7	X	267.65721	298.08260	30.57298	1.22892	0.2794887	0.22878870	2.6475632	21	3 30.5	21.0
290336 2005 ST_{235}	17.3	X	170.29501	176.93087	292.13507	2.03318	0.1548757	0.22876543	2.6477428	21	7 3.7	21.6
290337 2005 SZ_{235}	16.7	X	241.40627	347.98250	304.97243	2.49502	0.1711109	0.21660905	2.7459017	21	2 2.3	21.2
290338 2005 SR_{236}	18.1	X	52.07658	81.84623	230.26958	3.61719	0.1424378	0.31205995	2.1526695	21	11 27.8	20.6
290339 2005 SC_{237}	16.5	X	118.92641	133.83175	311.38500	1.96669	0.0646513	0.21740453	2.7391994	21	3 30.4	20.2
290340 2005 SH_{238}	16.7	X	249.94522	359.51181	296.12299	1.53950	0.1283547	0.21712871	2.7415187	21	2 15.4	20.8
290341 2005 SV_{238}	16.6	X	301.24795	208.93193	197.59238	1.37272	0.1649707	0.18135081	3.0911712	21	9 5.5	20.3
290342 2005 SP_{239}	17.0	X	160.25289	219.38033	188.88308	4.77405	0.0135004	0.22241713	2.6978879	21	3 28.3	20.5
290343 2005 SJ_{245}	16.1	X	304.73539	184.37126	201.31430	11.02530	0.0486678	0.17842553	3.1248659	21	8 26.4	20.4
290344 2005 SO_{246}	15.9	X	275.16577	237.55275	212.99442	9.32979	0.0379487	0.18396509	3.0618161	21	10 12.7	20.2
290345 2005 SN_{247}	17.1	X	225.50383	124.36134	207.52841	4.77252	0.0854158	0.21955502	2.7212836	21	3 7.7	21.1
290346 2005 SB_{248}	16.7	X	94.58243	87.30472	10.68895	3.02805	0.0519527	0.21670928	2.7450549	21	3 15.1	20.4
290347 2005 SC_{248}	16.9	X	122.54515	42.54933	299.64283	1.06315	0.0740515	0.20305783	2.8667482	21	—	—
290348 2005 SZ_{248}	17.5	X	297.95590	41.59251	300.43463	0.76635	0.1028194	0.23331155	2.6132355	21	6 15.2	20.5
290349 2005 SJ_{250}	16.4	X	130.24829	204.16544	152.29216	4.26811	0.1223975	0.20836892	2.8178255	21	1 2.5	20.4
290350 2005 SY_{250}	16.0	X	185.94443	299.85961	59.38868	5.96397	0.1329838	0.21727312	2.7403038	21	3 6.8	20.4
290351 2005 SO_{251}	16.3	X	150.89029	305.27492	41.69884	4.72319	0.2133562	0.21266055	2.7797864	21	1 23.7	20.8
290352 2005 SY_{251}	16.0	X	168.12718	216.52497	127.57462	7.37943	0.0774933	0.21468615	2.7622736	21	1 23.4	20.1
290353 2005 SC_{253}	16.5	X	142.74486	269.15940	146.46793	2.79434	0.1420834	0.21735886	2.7395831	21	3 31.8	20.6
290354 2005 SQ_{258}	16.3	X	327.31657	211.47648	207.09209	5.14637	0.1631017	0.18852759	3.0122160	21	11 9.3	19.6
290355 2005 SJ_{259}	15.4	X	310.01061	256.31127	113.58597	10.81000	0.0937495	0.17886994	3.1196879	21	8 12.8	19.5
290356 2005 ST_{260}	16.6	X	249.45589	68.78719	14.24728	1.56159	0.1517741	0.17613216	3.1519327	21	8 17.5	21.2
290357 2005 SF_{261}	17.9	X	109.12476	271.62757	171.64103	2.20998	0.1954768	0.28222361	2.3018331	21	3 27.8	20.4
290358 2005 SD_{262}	15.9	X	10.91789	307.29045	32.20809	9.12819	0.0628567	0.18493456	3.0511063	21	10 6.3	19.8
290359 2005 SX_{262}	15.8	X	175.64061	164.18667	38.34997	5.35365	0.1073854	0.18804624	3.0173541	21	10 30.5	20.5
290360 2005 SV_{263}	17.5	X	52.72955	351.92230	82.77296	3.18822	0.1777907	0.26600707	2.3944582	21	—	—
290361 2005 SD_{264}	17.6	X	177.08313	224.57875	124.37846	3.11659	0.2507429	0.28025295	2.3126110	21	2 10.5	21.4
290362 2005 SK_{264}	16.4	X	266.78491	253.42095	0.94122	4.14813	0.0178979	0.21206553	2.7849838	21	1 26.7	20.2
290363 2005 SW_{264}	16.3	X	136.60044	92.07912	311.00648	5.16462	0.0173804	0.21568534	2.7537360	21	2 20.5	20.1
290364 2005 SK_{265}	17.4	X	243.45859	67.70724	298.98675	5.58770	0.2807398	0.22975414	2.6401412	21	4 23.1	22.1
290365 2005 SV_{266}	16.3	X	350.14957	345.53018	341.59466	5.07048	0.1521145	0.18064111	3.0992622	21	8 18.2	19.7
290366 2005 SS_{267}	15.7	X	14.17793	32.78315	299.50769	11.23171	0.0984055	0.18630479	3.0361277	21	9 26.5	19.7
290367 2005 SR_{269}	15.2	X	349.52178	280.90266	45.40196	11.34690	0.1148956	0.17923382	3.1154640	21	8 21.2	19.1
290368 2005 SC_{270}	16.0	X	112.55354	39.80049	230.30840	3.90252	0.2017911	0.19072411	2.9890440	21	11 24.8	20.9
290369 2005 SK_{272}	17.1	X	340.90990	102.79759	207.91006	7.87837	0.1683490	0.23949564	2.5680549	21	7 4.9	19.8
290370 2005 SS_{272}	16.5	X	115.40476	179.37587	169.98327	9.60084	0.1375709	0.20468741	2.8515126	21	—	—
290371 2005 SA_{275}	15.8	X	240.91011	190.47816	211.37248	1.37606	0.1835987	0.17426314	3.1744296	21	6 14.9	20.9
290372 2005 SR_{278}	16.9	X	170.66283	237.44469	198.71045	4.22664	0.1012961	0.22474465	2.6792289	21	5 22.0	20.9
290373 2005 SD_{279}	17.4	X	176.51220	41.26488	59.43571	5.46619	0.1312711	0.22926686	2.6438807	21	6 28.7	21.5
290374 2005 SR_{280}	16.1	X	132.67156	312.16249	136.98497	5.76669	0.0811285	0.21998085	2.7177706	21	4 26.6	20.0
290375 2005 SO_{283}	16.6	X	287.92496	272.75793	134.06238	10.61178	0.0580562	0.24051709	2.5607789	21	9 9.7	19.8
290376 2005 SL_{284}	16.1	X	30.01731	123.06929	163.14109	11.19789	0.0501926	0.17732713	3.1377566	21	8 20.6	20.3
290377 2005 SU_{284}	16.7	X	180.63209	250.10430	166.07757	14.58394	0.0864141	0.22352887	2.6889350	21	5 9.6	21.0
290378 2005 SG_{289}	16.1	X	353.06455	243.21391	89.23862	2.35128	0.1809314	0.18065905	3.0990570	21	9 1.0	19.4
290379 2005 SQ_{289}	15.7	X	283.15442	59.76611	198.54576	6.86877	0.0731034	0.15398611	3.4473207	21	2 19.5	20.7
290380 2005 SZ_{290}	16.3	X	193.70664	8.10982	316.07276	5.63419	0.0600398	0.21274481	2.7790524	21	1 26.5	20.2
290381 2005 SB_{291}	16.2	X	28.07569	51.08650	228.11495	2.60250	0.1574601	0.17785774	3.1315128	21	8 20.2	20.0
290382 2005 SB_{292}	16.5	X	76.39216	268.22467	172.24895	8.47139	0.1867819	0.21089694	2.7952621	21	2 12.7	19.8
290383 2005 SK_{292}	16.8	X	240.89069	201.72779	85.05720	0.90259	0.0365814	0.21441572	2.7645957	21	2 2.1	20.8
290384 2005 SN_{292}	15.8	X	333.38887	185.86425	163.75542	12.60249	0.1342530	0.17954486	3.1118649	21	8 16.7	19.5
290385 2005 SE_{293}	15.1	X	313.84989	208.49560	154.87723	20.70620	0.1955756	0.17677019	3.1443439	21	7 24.7	19.2
290386 2005 SS_{293}	15.3	X	52.89852	59.25553	238.90207	8.81591	0.0968207	0.18408067	3.0605344	21	10 11.5	19.6
290387 2005 TW_{6}	17.0	X	199.90968	87.07743	286.51956	4.95929	0.1148606	0.28433051	2.2904479	21	3 24.9	20.5
290388 2005 TJ_{7}	15.7	X	296.59154	44.43329	305.99651	11.20027	0.1758756	0.17322960	3.1870434	21	6 15.1	20.0
290389 2005 TH_{8}	15.3	X	227.25461	109.28801	186.77672	9.87318	0.0672923	0.15064343	3.4981298	21	2 4.7	20.8
290390 2005 TM_{8}	16.3	X	123.78963	129.91838	159.53980	2.51122	0.0890434	0.19484187	2.9467810	21	12 21.9	20.9
290391 2005 TF_{9}	16.8	X	96.55220	237.19182	103.93562	1.41988	0.1268271	0.19894117	2.9061606	21	—	—
290392 2005 TL_{16}	16.1	X	304.26470	103.10839	198.84329	6.99274	0.0298238	0.16720390	3.2631606	21	5 16.6	20.6
290393 2005 TQ_{21}	16.8	X	39.31789	147.61681	52.76377	3.40340	0.0725374	0.22708935	2.6607549	21	5 12.5	20.0
290394 2005 TW_{22}	17.2	X	132.38439	84.75880	353.56938	4.76096	0.1424664	0.28290535	2.2981336	21	4 9.9	20.2
290395 2005 TT_{23}	16.8	X	280.38368	287.46727	352.05374	2.94883	0.0404872	0.22203621	2.7009726	21	3 10.3	20.4
290396 2005 TA_{25}	17.5	X	240.66296	7.58150	48.47516	1.52847	0.0603289	0.29622721	2.2287058	21	7 17.2	20.0
290397 2005 TT_{27}	16.1	X	148.17206	310.44595	48.08129	9.29149	0.1642350	0.20985396	2.8045161	21	2 1.3	20.5
290398 2005 TX_{27}	15.9	X	273.74043	313.13860	36.46452	15.12828	0.1125921	0.22922334	2.6442154	21	5 19.0	19.6
290399 2005 TC_{30}	15.9	X	216.98171	210.61691	130.37022	13.67255	0.1852415	0.22238709	2.6981308	21	3 12.6	20.5
290400 2005 TE_{32}	16.7	X	311.83093	329.47202	169.13115	5.92720	0.0284590	0.20044058	2.8916493	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290401 2005 TY_{32}	16.8	X	55.15345	353.97502	27.66875	10.87430	0.0818404	0.19867777	2.9087286	21	—	—
290402 2005 TQ_{35}	17.4	X	96.24805	141.61471	141.56894	3.22433	0.1827770	0.25552345	2.4595116	21	12 3.5	21.2
290403 2005 TG_{36}	16.5	X	187.34621	216.55596	55.82690	2.93577	0.0268517	0.20363525	2.8613265	21	—	—
290404 2005 TO_{36}	16.6	X	160.23200	279.39235	19.62675	5.92611	0.1575632	0.20593776	2.8399590	21	—	—
290405 2005 TV_{38}	16.4	X	256.95504	103.88156	208.58960	13.60139	0.1276086	0.22473979	2.6792674	21	3 11.2	20.6
290406 2005 TV_{39}	16.3	X	343.79798	344.96610	107.68633	3.23202	0.0534481	0.19525618	2.9426111	21	—	—
290407 2005 TX_{40}	16.8	X	259.71186	110.42643	260.96490	16.77545	0.0760451	0.34598593	2.0095420	21	6 2.8	19.0
290408 2005 TU_{43}	17.7	X	139.74432	275.11557	76.08901	3.23935	0.2232186	0.27162435	2.3613313	21	1 7.7	20.7
290409 2005 TX_{47}	16.6	X	298.78745	35.35243	23.60890	3.52921	0.1047073	0.18052659	3.1005728	21	9 27.3	20.5
290410 2005 TG_{48}	16.1	X	127.63747	196.45245	238.45014	3.85097	0.0281660	0.21751660	2.7382585	21	3 22.2	19.9
290411 2005 TJ_{53}	18.0	X	10.89945	61.19035	348.08641	2.10791	0.1899916	0.25583203	2.4575335	21	—	—
290412 2005 TF_{55}	15.6	X	255.39628	250.22587	184.34186	10.46856	0.0655560	0.17796741	3.1302262	21	8 22.7	20.2
290413 2005 TC_{56}	15.5	X	307.64713	200.68149	189.78565	9.57139	0.1018677	0.17804360	3.1293332	21	8 31.7	19.7
290414 2005 TL_{57}	16.4	X	136.35051	203.07603	197.26917	5.26415	0.0693941	0.21384300	2.7695297	21	2 23.3	20.4
290415 2005 TF_{59}	16.9	X	312.73271	292.72355	144.54306	1.75233	0.0407219	0.18748338	3.0233902	21	11 16.2	20.9
290416 2005 TY_{60}	16.3	X	359.31931	333.31189	319.09739	5.08891	0.1090743	0.17634289	3.1494212	21	7 17.4	20.0
290417 2005 TU_{62}	17.0	X	339.36751	243.19776	92.67275	1.68118	0.1035142	0.23927299	2.5696478	21	8 16.2	19.6
290418 2005 TC_{64}	16.7	X	187.03441	44.50035	326.70065	1.77640	0.0759637	0.21963784	2.7205994	21	3 16.6	20.8
290419 2005 TL_{64}	16.4	X	46.14195	232.30040	84.18690	0.47915	0.1671751	0.18685089	3.0302092	21	11 7.7	20.4
290420 2005 TJ_{75}	16.6	X	133.78209	114.51788	274.12467	3.70020	0.0816033	0.21293059	2.7774357	21	2 7.9	20.5
290421 2005 TH_{76}	16.7	X	312.66215	213.19936	102.02839	9.09408	0.1965930	0.23636006	2.5907171	21	5 17.9	19.8
290422 2005 TK_{77}	17.3	X	89.09901	355.45514	78.46405	3.57753	0.1879948	0.27252991	2.3560975	21	2 13.5	19.6
290423 2005 TE_{79}	16.8	X	253.85945	200.31937	31.41521	2.49974	0.0275195	0.20495153	2.8490623	21	—	—
290424 2005 TK_{81}	15.9	X	94.80943	301.15304	267.78215	3.49301	0.0714634	0.17479099	3.1680353	21	8 9.6	20.5
290425 2005 TK_{82}	17.5	X	160.61993	100.05512	230.19366	3.93922	0.1249223	0.27205293	2.3588507	21	—	—
290426 2005 TO_{90}	15.8	X	281.06523	84.22500	331.61306	8.91420	0.1592570	0.17859666	3.1228694	21	8 20.5	20.0
290427 2005 TB_{95}	15.6	X	218.37445	289.80540	228.07041	8.72411	0.0476213	0.18696364	3.0289908	21	10 25.6	19.9
290428 2005 TE_{96}	16.7	X	128.45898	353.00427	273.92524	2.26472	0.0892891	0.19074392	2.9888371	21	11 29.3	21.3
290429 2005 TM_{96}	17.1	X	119.93610	339.02239	226.71545	6.20717	0.0804391	0.30214174	2.1995250	21	9 13.1	20.0
290430 2005 TO_{98}	16.1	X	202.52097	344.06092	7.02983	7.82579	0.1937657	0.21798527	2.7343322	21	3 11.0	20.7
290431 2005 TF_{100}	17.5	X	6.63196	70.02961	3.54129	4.88497	0.1127876	0.25959070	2.4337537	21	—	—
290432 2005 TL_{100}	16.6	X	297.06235	308.37052	339.85270	5.28529	0.2281341	0.22766920	2.6562352	21	3 14.2	20.5
290433 2005 TR_{109}	16.6	X	228.35395	0.54541	274.92153	2.41813	0.0576816	0.21182681	2.7870757	21	1 4.7	20.8
290434 2005 TP_{110}	17.0	X	338.94626	54.03196	230.06567	3.58343	0.1303031	0.23418932	2.6067016	21	5 26.6	19.6
290435 2005 TS_{110}	16.4	X	49.09861	212.55798	254.71267	3.60953	0.0151946	0.21298386	2.7769725	21	1 21.2	20.1
290436 2005 TH_{112}	16.9	X	34.79840	246.03875	249.24109	2.90434	0.1473315	0.21206060	2.7850269	21	2 8.2	19.8
290437 2005 TV_{114}	17.2	X	129.24192	188.60284	243.17808	2.40855	0.0531083	0.21958403	2.7210439	21	3 23.9	21.0
290438 2005 TT_{115}	17.6	X	33.94263	149.20871	248.17073	1.27350	0.2093732	0.25884887	2.4384014	21	—	—
290439 2005 TL_{116}	16.6	X	53.96724	61.24898	349.66073	5.62052	0.0631436	0.20296963	2.8675787	21	—	—
290440 2005 TO_{116}	17.7	X	171.91201	332.63015	326.86556	2.02290	0.2151597	0.27135305	2.3629049	21	—	—
290441 2005 TP_{116}	16.7	X	146.46356	157.64255	213.16786	4.21734	0.0874611	0.21291636	2.7775594	21	2 1.0	20.8
290442 2005 TF_{122}	16.4	X	179.32622	151.13729	130.28770	0.96605	0.1297172	0.20442804	2.8539241	21	—	—
290443 2005 TM_{125}	16.7	X	25.03059	72.73001	312.65001	0.78181	0.0906588	0.19218280	2.9739001	21	12 24.9	20.5
290444 2005 TX_{125}	16.2	X	61.16628	69.46239	201.18234	7.31467	0.0619186	0.17940268	3.1135088	21	9 12.8	20.6
290445 2005 TE_{132}	16.9	X	223.77708	293.62993	33.47275	2.53868	0.1517847	0.21901981	2.7257150	21	2 28.7	21.2
290446 2005 TK_{132}	16.8	X	92.77356	211.31690	187.12905	1.72850	0.0801800	0.20579657	2.8412577	21	1 1.6	20.5
290447 2005 TC_{133}	15.5	X	276.84229	236.31406	310.37072	9.91183	0.0209401	0.18787599	3.0191767	21	—	—
290448 2005 TW_{137}	16.3	X	320.42350	313.09469	101.61836	2.77900	0.1627775	0.18376231	3.0640681	21	10 22.0	19.8
290449 2005 TJ_{139}	17.6	X	42.13664	235.12925	98.36517	2.35049	0.1096964	0.25125512	2.4872881	21	11 27.3	20.7
290450 2005 TR_{145}	15.8	X	33.28818	198.47012	80.50338	6.08301	0.1177259	0.17756224	3.1349862	21	8 27.5	19.8
290451 2005 TW_{151}	16.1	X	254.14808	318.49278	195.99682	11.54164	0.0833390	0.19079586	2.9882946	21	11 30.7	20.4
290452 2005 TW_{152}	15.2	X	241.13240	161.80275	248.81964	8.99714	0.0868409	0.17234751	3.1979086	21	7 4.7	20.1
290453 2005 TZ_{155}	16.5	X	277.45816	314.43913	263.13497	3.02837	0.0450243	0.20892953	2.8127826	21	—	—
290454 2005 TT_{159}	16.6	X	115.25032	148.53742	263.02554	4.03835	0.0503935	0.21225267	2.7833465	21	2 9.3	20.4
290455 2005 TJ_{160}	16.4	X	104.52671	9.47691	6.90540	9.34032	0.1416582	0.20485550	2.8499526	21	—	—
290456 2005 TQ_{162}	15.8	X	18.53419	96.01297	226.72048	5.63853	0.0941745	0.18135778	3.0910920	21	9 24.1	19.7
290457 2005 TG_{164}	17.7	X	73.05562	185.67782	302.52586	1.60470	0.1512146	0.27790648	2.3256102	21	3 27.9	19.8
290458 2005 TH_{164}	16.5	X	256.45326	64.40426	240.50594	4.69251	0.0445205	0.21882618	2.7273227	21	3 10.9	20.4
290459 2005 TC_{167}	16.2	X	72.53289	358.40910	214.18828	11.59029	0.1357168	0.23224882	2.6212013	21	7 25.8	19.8
290460 2005 TD_{168}	16.8	X	85.11704	264.76719	255.29069	1.66195	0.0817864	0.22438278	2.6821086	21	5 27.0	20.1
290461 2005 TL_{168}	15.4	X	51.79659	238.06621	28.20113	19.74132	0.1496954	0.17791121	3.1308854	21	9 18.3	19.8
290462 2005 TR_{168}	16.0	X	251.52525	239.90731	211.58300	10.49934	0.0197049	0.17902885	3.1178415	21	9 14.1	20.5
290463 2005 TK_{169}	16.4	X	264.34529	242.48551	6.38876	3.70763	0.0521651	0.21021989	2.8012606	21	1 13.6	20.5
290464 2005 TS_{169}	16.3	X	132.81110	67.78036	303.41624	2.88487	0.1103903	0.20995098	2.8036521	21	1 21.9	20.3
290465 2005 TY_{169}	15.2	X	58.54091	85.19355	223.98558	12.09553	0.0428424	0.18555031	3.0443524	21	10 26.6	19.4
290466 2005 TH_{170}	16.0	X	300.37002	335.85168	96.59158	14.89285	0.0613996	0.23693963	2.5864906	21	11 5.8	19.4
290467 2005 TY_{172}	16.6	X	239.09060	346.11459	0.86922	4.50180	0.3008682	0.22521605	2.6754889	21	3 28.7	21.3
290468 2005 TL_{174}	16.0	X	351.78292	16.12268	209.22487	10.95078	0.0420552	0.22109744	2.7086127	21	4 3.0	19.5
290469 2005 TC_{181}	15.1	X	158.33676	22.38174	198.04175	8.20804	0.1209905	0.12583922	3.9438952	21	10 29.0	21.2
290470 2005 TH_{181}	16.0	X	49.37285	93.92855	135.33009	1.88407	0.0716449	0.16973341	3.2306593	21	7 7.9	20.2
290471 2005 TR_{181}	16.5	X	113.96533	71.53066	336.20266	3.65472	0.0665719	0.21033181	2.8002668	21	2 7.6	20.2
290472 2005 TW_{181}	16.6	X	255.39235	20.86166	241.43964	9.35049	0.1115459	0.27713863	2.3299039	21	1 1.5	20.1
290473 2005 TL_{186}	18.3	X	39.53246	222.03247	113.01510	1.37158	0.0421816	0.31195016	2.1531746	21	11 27.3	20.6
290474 2005 TN_{186}	17.2	X	263.28100	142.20413	130.45645	3.06587	0.0448183	0.21765847	2.7370685	21	2 9.3	21.0
290475 2005 TY_{188}	16.4	X	126.75691	307.01764	333.00401	3.95883	0.0823690	0.19300729	2.9654248	21	12 12.9	20.9
290476 2005 TD_{190}	16.3	X	301.11805	221.74837	180.37211	5.15004	0.1349266	0.17977869	3.1091660	21	9 3.2	20.1
290477 2005 TH_{190}	16.9	X	90.16125	153.15221	50.35844	7.00128	0.1001134	0.23056805	2.6339244	21	8 7.0	20.6
290478 2005 TG_{192}	14.7	X	349.54102	224.87344	98.00125	17.76179	0.2179706	0.17795732	3.1303446	21	8 12.1	18.0
290479 2005 TH_{192}	16.1	X	218.65438	335.38855	355.83930	7.66576	0.1187140	0.21805437	2.7337546	21	3 1.9	20.3
290480 2005 TB_{193}	17.0	X	26.16308	31.80451	107.95096	4.04563	0.1410002	0.21171096	2.7880923	21	1 31.3	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290481 2005 TF_{193}	16.7	X	350.45812	243.32113	189.64494	2.77623	0.0764394	0.19309865	2.9644893	21	—	—
290482 2005 TV_{193}	17.0	X	109.26187	358.57015	64.52055	1.40406	0.0560411	0.21265739	2.7798139	21	2 19.1	20.7
290483 2005 TR_{194}	16.3	X	350.26753	116.79376	220.74655	4.93107	0.1617970	0.17495358	3.1660723	21	8 29.2	19.9
290484 2005 TW_{195}	16.8	X	76.15548	286.80021	103.50378	3.24642	0.0865996	0.20170842	2.8795195	21	—	—
290485 2005 TU_{196}	15.7	X	290.03619	251.45846	146.11682	12.50523	0.1441320	0.17665427	3.1457193	21	8 10.6	19.9
290486 2005 UX_{1}	16.5	X	199.74435	327.77179	26.21119	2.76579	0.0752047	0.21680466	2.7442498	21	3 10.6	20.5
290487 2005 UH_{4}	16.0	X	163.82864	204.94519	208.48746	13.17869	0.1491746	0.21867018	2.7286196	21	4 18.5	20.2
290488 2005 UD_{6}	17.7	X	327.28765	121.31830	283.86974	2.30833	0.1490401	0.30947784	2.1646267	21	11 21.5	19.2
290489 2005 UW_{9}	15.8	X	95.79575	322.57430	42.62298	8.84741	0.0458459	0.20104454	2.8858551	21	—	—
290490 2005 UT_{10}	16.2	X	344.40446	221.36725	214.61940	8.59665	0.0764023	0.19185018	2.9773364	21	12 28.4	20.1
290491 2005 UC_{12}	16.3	X	78.02915	266.67165	87.52711	3.13585	0.1137882	0.19433627	2.9518899	21	—	—
290492 2005 UZ_{13}	16.5	X	249.30610	31.54245	189.80869	4.72605	0.0386290	0.20311203	2.8662382	21	—	—
290493 2005 UQ_{15}	17.3	X	306.70843	179.71645	137.33731	1.47351	0.0988317	0.22986648	2.6392809	21	5 25.4	20.7
290494 2005 UA_{16}	17.1	X	96.67275	348.87229	71.76572	2.41209	0.0673998	0.20872727	2.8145994	21	2 2.2	20.8
290495 2005 UW_{17}	16.2	X	135.43287	335.80029	28.71962	14.22438	0.0849955	0.20848867	2.8167464	21	1 16.9	20.5
290496 2005 UE_{19}	16.6	X	206.65495	288.63099	86.04661	5.24626	0.1350049	0.22271035	2.6955193	21	4 12.9	20.9
290497 2005 UQ_{20}	15.9	X	286.59422	59.12113	29.11782	26.60509	0.2397021	0.18039104	3.1021259	21	10 5.2	20.0
290498 2005 UA_{21}	15.4	X	51.40036	50.88872	223.73209	13.58626	0.1229753	0.17842631	3.1248568	21	9 10.5	19.8
290499 2005 UO_{21}	16.4	X	91.11407	90.44684	1.53507	4.27883	0.0323908	0.21361935	2.7714624	21	2 28.9	20.0
290500 2005 UA_{22}	15.2	X	261.98007	166.83132	222.35546	15.06445	0.0238468	0.16992065	3.2282855	21	7 8.9	20.0
290501 2005 UC_{23}	15.8	X	133.21847	122.94990	27.02368	12.33456	0.0338050	0.16750597	3.2592363	21	7 10.6	20.7
290502 2005 UZ_{24}	15.9	X	31.88464	62.03900	229.94438	7.42712	0.1025242	0.17707401	3.1407461	21	9 3.2	20.0
290503 2005 UM_{26}	17.0	X	62.34219	114.52394	262.68325	1.55640	0.1628825	0.19763328	2.9189680	21	—	—
290504 2005 US_{28}	15.5	X	249.71626	70.12994	39.08372	10.10058	0.0873505	0.17946473	3.1127911	21	9 30.9	20.0
290505 2005 UW_{28}	17.7	X	57.86037	36.50196	220.64175	5.38287	0.0980063	0.30032679	2.2083776	21	9 6.1	20.2
290506 2005 UE_{29}	17.5	X	354.58736	120.72724	222.07677	4.57591	0.1765907	0.30537327	2.1839803	21	10 9.9	18.9
290507 2005 UO_{29}	15.9	X	320.16570	325.55177	56.45456	3.53967	0.2093026	0.17807942	3.1289135	21	9 1.5	19.4
290508 2005 UB_{32}	17.4	X	62.70079	65.33321	42.61834	1.79222	0.1452202	0.27174268	2.3606457	21	2 7.7	19.3
290509 2005 UD_{33}	17.8	X	38.38422	150.07034	171.23873	0.55884	0.1292041	0.24674320	2.5175180	21	11 7.9	20.8
290510 2005 UQ_{33}	18.2	X	91.67058	93.66354	14.23184	2.50817	0.1444194	0.27630278	2.3346004	21	3 29.5	20.6
290511 2005 UT_{33}	15.5	X	281.01849	22.99037	46.90370	12.75825	0.1118061	0.17721125	3.1391244	21	9 20.7	19.9
290512 2005 UV_{33}	17.0	X	323.86569	83.05887	53.59594	2.87725	0.0486162	0.19686530	2.9265544	21	—	—
290513 2005 UY_{35}	16.1	X	184.68864	127.90539	57.30286	2.40136	0.1276758	0.18072778	3.0982712	21	10 17.7	21.0
290514 2005 UG_{37}	16.6	X	306.99052	295.95786	23.45893	5.54145	0.1140923	0.22850495	2.6497545	21	5 25.2	20.0
290515 2005 UO_{37}	16.4	X	124.82024	225.11354	218.09943	5.36194	0.0248457	0.21541386	2.7560491	21	3 29.6	20.1
290516 2005 UU_{37}	16.9	X	190.23242	243.51431	118.47265	1.39603	0.0858225	0.21404272	2.7678067	21	3 10.7	21.0
290517 2005 UW_{37}	18.2	X	298.10188	273.57884	121.50503	0.83699	0.0931900	0.30102188	2.2049767	21	9 7.8	20.2
290518 2005 UJ_{38}	16.7	X	334.25716	225.65063	58.65852	10.84102	0.1334698	0.22671798	2.6636597	21	5 18.4	19.5
290519 2005 UJ_{39}	17.1	X	310.37403	318.03005	137.54127	0.55207	0.1502762	0.18603237	3.0390910	21	11 27.5	20.6
290520 2005 UW_{41}	17.3	X	168.38400	238.30429	167.20492	3.00606	0.1639090	0.28144405	2.3060816	21	4 9.5	20.7
290521 2005 UC_{42}	17.7	X	129.78034	25.24360	49.04721	1.60531	0.1838984	0.27987196	2.3147093	21	4 8.7	20.7
290522 2005 US_{42}	15.5	X	348.00289	323.56070	40.70467	16.88590	0.1061375	0.18117099	3.0932162	21	10 8.9	19.4
290523 2005 UB_{44}	16.3	X	67.62347	232.46875	194.25187	5.79407	0.0648974	0.20401780	2.8577485	21	—	—
290524 2005 UH_{44}	15.8	X	85.21903	50.65096	208.08250	9.14685	0.0707163	0.17893259	3.1189597	21	9 29.3	20.3
290525 2005 UK_{44}	16.4	X	80.91940	58.87734	195.46774	6.03633	0.0594113	0.24004952	2.5641032	21	9 23.8	19.7
290526 2005 UD_{45}	16.7	X	125.90337	332.82614	141.67428	3.34257	0.0641400	0.22203846	2.7009543	21	5 17.9	20.4
290527 2005 UE_{45}	16.5	X	323.37150	48.06055	177.38640	4.76980	0.0614714	0.21401590	2.7680379	21	2 21.8	20.2
290528 2005 UB_{48}	16.7	X	171.79223	324.82816	58.67036	3.44881	0.1898635	0.21671229	2.7450295	21	3 24.1	21.2
290529 2005 UK_{51}	16.1	X	186.03874	25.13390	18.15554	13.70487	0.1666437	0.22185143	2.7024722	21	4 24.4	20.6
290530 2005 UX_{51}	15.4	X	85.74337	35.96308	254.80233	8.41873	0.0395673	0.18600683	3.0393692	21	11 5.0	19.7
290531 2005 UN_{54}	15.8	X	348.00009	293.98004	38.44560	13.57184	0.2035725	0.17818779	3.1276447	21	8 27.6	19.3
290532 2005 UA_{58}	15.9	X	81.77185	61.15553	223.54973	9.43592	0.2314093	0.18547657	3.0451592	21	11 17.1	20.6
290533 2005 UQ_{59}	16.9	X	50.87724	353.59490	85.48724	3.19216	0.0355117	0.20436173	2.8545413	21	—	—
290534 2005 UL_{61}	16.9	X	213.16687	287.11081	100.64384	6.34849	0.1124226	0.28559921	2.2836596	21	5 2.2	20.2
290535 2005 UK_{65}	16.0	X	163.26823	269.51920	80.70592	9.05639	0.1219180	0.21289839	2.7777158	21	1 31.9	20.3
290536 2005 UF_{67}	16.3	X	234.05997	298.17255	72.12789	14.52332	0.1547679	0.22592275	2.6699067	21	5 4.3	20.6
290537 2005 UB_{69}	15.8	X	10.63649	24.76556	233.22336	13.05301	0.1201618	0.23098673	2.6307406	21	6 17.1	18.7
290538 2005 UX_{69}	17.2	X	162.04481	123.70940	277.95150	7.94109	0.1328138	0.28137382	2.3064653	21	3 21.2	20.7
290539 2005 UR_{71}	16.0	X	114.38109	232.20024	244.77830	12.65881	0.1571034	0.22051340	2.7133931	21	5 18.1	19.8
290540 2005 UY_{71}	15.3	X	262.32590	183.63264	256.53508	10.17857	0.0527195	0.17835642	3.1256730	21	9 6.1	19.9
290541 2005 UL_{72}	15.4	X	34.36788	56.19242	268.19513	11.25924	0.1020120	0.18411710	3.0601306	21	10 18.4	19.6
290542 2005 UM_{77}	16.6	X	125.62647	244.28719	212.16245	7.40921	0.2016545	0.21616404	2.7496690	21	5 10.1	20.8
290543 2005 UY_{78}	16.6	X	98.05497	342.71397	71.48948	4.96850	0.2251525	0.26950363	2.3737026	21	2 7.7	19.1
290544 2005 UO_{82}	16.5	X	261.78918	232.84289	212.77654	2.27454	0.1222943	0.17747886	3.1359680	21	9 6.8	20.9
290545 2005 UZ_{82}	17.7	X	127.50003	42.92395	43.77901	2.76174	0.2079706	0.27987799	2.3146761	21	4 25.5	21.0
290546 2005 UW_{85}	16.7	X	148.27549	183.85908	188.11862	3.62143	0.1071551	0.21078802	2.7962249	21	2 7.4	20.8
290547 2005 UE_{89}	15.7	X	10.29104	324.77454	247.21369	12.66426	0.1418357	0.21986509	2.7187245	21	4 5.8	18.9
290548 2005 UM_{92}	17.5	X	162.35010	107.01582	292.35520	3.57312	0.1191645	0.27930658	2.3178319	21	3 20.2	20.8
290549 2005 UX_{92}	15.8	X	186.38127	259.84087	352.34045	4.67589	0.0344333	0.19484411	2.9467584	21	—	—
290550 2005 UD_{94}	16.1	X	58.25669	313.22314	301.86009	3.66662	0.0839196	0.17328229	3.1863974	21	8 23.6	20.5
290551 2005 UE_{96}	17.0	X	133.75850	317.12718	182.78127	4.04700	0.0648314	0.22738045	2.6584835	21	6 29.1	20.8
290552 2005 UV_{96}	15.7	X	23.16218	239.78203	95.07958	3.46432	0.0447369	0.18110083	3.0940150	21	10 14.8	19.8
290553 2005 UK_{97}	16.3	X	42.90605	233.52475	187.16348	6.13586	0.0343887	0.19856067	2.9098721	21	—	—
290554 2005 UG_{101}	16.5	X	155.13237	203.78205	177.59560	5.62441	0.1090067	0.21245838	2.7815496	21	2 26.2	20.6
290555 2005 UY_{103}	18.0	X	306.00138	290.50451	120.76570	1.84674	0.0972551	0.30529003	2.1843772	21	10 19.3	19.8
290556 2005 UG_{106}	16.3	X	90.03059	112.98379	208.44014	8.46233	0.1225185	0.19103202	2.9858313	21	12 26.9	21.0
290557 2005 UQ_{106}	15.7	X	148.00953	108.96478	69.60426	7.93276	0.0809236	0.17237851	3.1975251	21	9 6.6	20.6
290558 2005 UE_{107}	15.3	X	198.52031	32.86979	64.84595	9.59278	0.0561312	0.16742324	3.2603100	21	7 20.6	20.2
290559 2005 UV_{108}	15.4	X	39.25299	246.75294	69.00484	11.53319	0.1145828	0.18494560	3.0509848	21	10 24.7	19.5
290560 2005 UK_{109}	16.4	X	224.11745	357.13651	15.75066	5.21931	0.0088755	0.22071651	2.7117282	21	5 1.9	20.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290561 2005 UK_{110}	17.6	X	111.39008	215.14264	260.01141	3.60592	0.1627315	0.27911817	2.3188748	21	5 8.6	20.5
290562 2005 UN_{110}	16.2	X	227.20529	187.68170	288.03641	2.96791	0.0200870	0.17491816	3.1664997	21	9 15.3	20.7
290563 2005 UJ_{111}	16.5	X	246.71956	107.54507	252.72917	5.35910	0.0852899	0.22363087	2.6881173	21	5 6.3	20.3
290564 2005 UX_{111}	17.6	X	168.43728	320.61273	322.27364	1.37133	0.0666523	0.32198992	2.1081809	21	—	—
290565 2005 UT_{112}	16.3	X	56.41552	156.73749	294.57494	2.16898	0.0713559	0.20416812	2.8563456	21	1 16.7	19.6
290566 2005 UH_{115}	18.0	X	259.55626	88.25842	355.45327	1.99718	0.1271900	0.30293044	2.1957056	21	9 12.7	20.5
290567 2005 UM_{116}	16.5	X	225.02694	289.60134	74.55788	7.37258	0.0535930	0.22157987	2.7046798	21	4 22.4	20.4
290568 2005 UA_{117}	17.7	X	254.57357	108.84534	225.43501	9.60190	0.1246432	0.34928222	1.9968789	21	3 23.1	20.4
290569 2005 UK_{119}	16.7	X	303.79507	260.35871	273.18933	0.99660	0.0105072	0.20253897	2.8716421	21	—	—
290570 2005 UW_{119}	16.8	X	132.55827	59.34669	284.90222	0.98649	0.0730088	0.20354948	2.8621302	21	—	—
290571 2005 UO_{123}	16.0	X	2.22018	190.16083	34.50130	5.57655	0.0999189	0.22089705	2.7102505	21	4 16.2	18.9
290572 2005 UP_{124}	17.5	X	348.68639	8.87017	312.27139	1.37482	0.0551764	0.23559467	2.5963251	21	8 10.9	20.6
290573 2005 UG_{127}	16.4	X	87.55150	270.56558	41.36999	2.75536	0.1503536	0.19010230	2.9955585	21	12 16.4	21.0
290574 2005 UN_{128}	17.5	X	218.40034	322.88350	230.52956	6.91870	0.0313081	0.25225590	2.4807052	21	12 23.1	20.7
290575 2005 UO_{128}	16.9	X	359.80313	53.24673	231.58951	3.44218	0.2271378	0.23428714	2.6059760	21	7 7.2	18.7
290576 2005 UP_{136}	16.6	X	6.28937	156.17836	27.55721	1.74815	0.1626450	0.21534469	2.7566393	21	2 21.9	19.5
290577 2005 UB_{137}	17.5	X	274.13413	144.96513	204.66448	2.16191	0.1028384	0.23031556	2.6358490	21	5 24.1	21.1
290578 2005 UP_{138}	16.3	X	44.32183	191.87982	218.09368	9.91234	0.1016885	0.19660081	2.9291785	21	—	—
290579 2005 UF_{148}	16.1	X	17.68588	48.49369	0.49056	2.17561	0.0517724	0.19242494	2.9714047	21	—	—
290580 2005 UY_{149}	17.2	X	346.17140	287.53944	29.29664	2.75808	0.1123614	0.23757847	2.5818519	21	7 31.3	19.9
290581 2005 UZ_{152}	17.5	X	333.71461	146.61219	27.07008	2.44574	0.1267727	0.26618260	2.3934054	21	—	—
290582 2005 UA_{153}	16.3	X	281.51018	272.19710	38.04933	3.81945	0.0856886	0.22201127	2.7011749	21	4 14.5	20.1
290583 2005 UK_{153}	16.4	X	287.41369	34.73807	236.59902	8.02827	0.2346564	0.21749589	2.7384323	21	2 9.6	20.8
290584 2005 UW_{153}	17.2	X	26.82808	10.03010	238.53760	4.35974	0.1203498	0.29142019	2.2531475	21	7 3.8	19.2
290585 2005 UL_{155}	17.1	X	343.63541	210.14272	116.70630	6.49680	0.2884202	0.24238800	2.5475847	21	8 1.0	18.4
290586 2005 UU_{155}	15.4	X	119.35228	233.10515	105.64299	9.28814	0.2180517	0.20068035	2.8893455	21	—	—
290587 2005 UC_{156}	15.6	X	163.27515	244.77438	85.50092	14.42129	0.2720290	0.20956309	2.8071106	21	1 19.4	20.5
290588 2005 US_{157}	15.4	X	265.11628	244.93790	238.43015	9.11065	0.0621699	0.18938082	3.0031617	21	11 7.4	19.5
290589 2005 UU_{157}	16.5	X	213.80932	181.50455	194.49378	5.43175	0.0536902	0.22306514	2.6926604	21	4 22.4	20.4
290590 2005 UE_{163}	18.0	X	288.86789	345.27019	293.10457	1.66455	0.2235882	0.28513650	2.2861296	21	2 14.4	21.5
290591 2005 UC_{165}	17.1	X	96.25616	206.31415	225.65525	3.21641	0.0850948	0.21044070	2.7993007	21	2 15.9	20.7
290592 2005 UC_{167}	17.3	X	153.20388	279.63941	217.06224	5.84548	0.1740538	0.22897145	2.6461543	21	7 21.8	21.7
290593 2005 UC_{172}	17.1	X	127.91861	242.01377	177.07318	0.93566	0.1216898	0.21257384	2.7805423	21	3 17.2	20.9
290594 2005 UK_{172}	17.8	X	16.72229	301.72387	227.53314	1.71278	0.1328378	0.27340439	2.3510709	21	2 6.4	19.8
290595 2005 UD_{177}	17.4	X	345.84919	20.72364	325.81934	1.37272	0.1055549	0.23969081	2.5666607	21	9 12.2	20.2
290596 2005 UW_{177}	16.7	X	159.01940	95.82494	275.49353	2.66027	0.0910694	0.21088391	2.7953772	21	2 16.5	20.7
290597 2005 UC_{179}	16.0	X	23.75699	261.22845	76.38199	6.03878	0.1529444	0.18230546	3.0803704	21	11 1.4	19.9
290598 2005 UK_{179}	17.5	X	160.36408	100.71786	70.05732	6.37278	0.0912326	0.29849376	2.2174093	21	9 19.2	20.6
290599 2005 UP_{181}	16.2	X	332.02133	293.50706	81.28724	4.56248	0.0552917	0.17696125	3.1420801	21	9 24.8	20.3
290600 2005 UR_{191}	16.6	X	187.48129	317.21529	29.99377	3.88904	0.1009699	0.21214177	2.7843164	21	2 19.8	20.8
290601 2005 UL_{193}	16.9	X	185.80154	331.56311	58.20266	2.92268	0.0864364	0.22120816	2.7077088	21	4 9.2	20.9
290602 2005 UT_{194}	17.0	X	48.55611	77.76352	61.44386	12.73303	0.0859774	0.27488018	2.3426483	21	3 2.3	19.7
290603 2005 UC_{195}	17.4	X	274.77962	294.23994	93.96312	2.52329	0.0820863	0.23344454	2.6122430	21	7 20.0	20.7
290604 2005 UB_{197}	15.3	X	96.60333	24.70126	227.73739	18.53259	0.1341510	0.17818630	3.1276622	21	10 10.5	20.2
290605 2005 UY_{198}	16.3	X	290.68847	60.84191	82.90486	1.84987	0.1888433	0.19130726	2.9829668	21	12 23.5	19.5
290606 2005 UP_{199}	16.6	X	3.00868	208.98646	64.28687	3.36494	0.0466196	0.22952332	2.6419109	21	6 25.9	19.7
290607 2005 UX_{201}	16.2	X	346.01419	33.18147	64.27116	4.11189	0.1970815	0.19258814	2.9697259	21	—	—
290608 2005 UJ_{205}	16.5	X	265.73850	99.80697	82.64446	3.21740	0.1208087	0.19301185	2.9653781	21	—	—
290609 2005 UW_{206}	16.8	X	136.17698	192.24202	178.25980	4.44185	0.0833425	0.21013036	2.8020563	21	1 20.4	20.8
290610 2005 UE_{211}	16.9	X	269.23660	263.25299	118.85902	1.17420	0.1746463	0.23262727	2.6183577	21	6 19.9	20.5
290611 2005 US_{215}	16.0	X	230.98425	312.13444	52.74312	7.16034	0.0384499	0.22315080	2.6919712	21	4 29.6	19.7
290612 2005 UV_{216}	15.4	X	213.42038	25.07054	57.09028	8.26344	0.0268717	0.16999660	3.2273239	21	7 20.4	20.1
290613 2005 UB_{218}	16.3	X	261.18343	150.64913	300.90989	11.91869	0.2090591	0.23108548	2.6299911	21	9 1.2	20.2
290614 2005 UH_{220}	16.0	X	239.00733	71.62558	16.14847	9.33471	0.0482573	0.17408615	3.1765808	21	8 27.4	20.6
290615 2005 UJ_{222}	16.4	X	1.49703	74.15157	267.02787	3.63968	0.1170557	0.18020914	3.1042129	21	9 22.9	20.3
290616 2005 UO_{222}	16.7	X	255.44532	33.50739	254.24921	4.69363	0.0386179	0.21435964	2.7650779	21	2 17.7	20.6
290617 2005 UK_{223}	15.3	X	50.69139	222.61293	25.94854	13.34252	0.2187394	0.17401747	3.1774166	21	9 1.5	19.6
290618 2005 UB_{226}	16.3	X	99.81496	326.11151	48.99500	2.59606	0.0819520	0.20162404	2.8803229	21	—	—
290619 2005 UP_{226}	16.8	X	27.48955	49.87079	57.86809	2.91482	0.0175423	0.20400832	2.8578370	21	—	—
290620 2005 UB_{228}	15.7	X	215.03271	41.02564	67.98738	5.60341	0.1203301	0.17038223	3.2224525	21	8 18.1	20.7
290621 2005 UW_{229}	17.1	X	97.67218	357.97675	186.96325	2.84016	0.1594713	0.22743854	2.6580308	21	7 26.9	20.8
290622 2005 UC_{230}	17.0	X	145.09246	203.85845	85.35326	3.27667	0.2067905	0.26040292	2.4286904	21	—	—
290623 2005 US_{232}	16.1	X	258.11064	65.39633	223.04340	11.08890	0.0894392	0.21433071	2.7653267	21	2 14.6	20.5
290624 2005 UE_{234}	17.8	X	240.94102	228.55969	179.26878	4.22795	0.1357571	0.29386839	2.2406162	21	6 25.5	20.8
290625 2005 US_{234}	16.9	X	286.77834	235.63442	101.40968	3.90191	0.1243901	0.22866916	2.6484858	21	5 21.0	20.4
290626 2005 UD_{239}	17.0	X	262.40306	221.77173	140.42922	4.71534	0.0939249	0.22772324	2.6558150	21	5 28.3	20.7
290627 2005 UL_{240}	16.9	X	237.71934	173.94702	121.04012	5.27862	0.0436371	0.21107786	2.7936646	21	2 9.1	20.8
290628 2005 UB_{241}	16.9	X	172.25114	267.16697	124.93660	4.27062	0.2049253	0.21715063	2.7413342	21	4 4.8	21.5
290629 2005 UY_{241}	16.8	X	46.79575	343.69989	311.72515	3.51666	0.2120648	0.24215914	2.5491896	21	10 26.3	20.0
290630 2005 UK_{242}	17.3	X	148.84277	121.04376	297.95900	3.25770	0.1602595	0.27836000	2.3230835	21	4 4.6	20.8
290631 2005 UO_{243}	15.7	X	225.86204	274.07878	275.79149	6.75761	0.1114886	0.18638902	3.0352130	21	12 4.4	20.1
290632 2005 UA_{246}	15.5	X	285.41466	113.81650	254.55939	6.26940	0.1704867	0.17177579	3.2050003	21	6 23.7	20.0
290633 2005 UM_{246}	18.1	X	56.47541	102.87776	178.35050	3.84375	0.1167141	0.30395422	2.1907724	21	10 16.5	20.5
290634 2005 UH_{249}	17.0	X	292.44013	165.27613	93.86335	1.85403	0.0244691	0.21392177	2.7688498	21	3 3.8	20.8
290635 2005 UQ_{250}	16.1	X	22.16012	35.04198	331.09992	12.24083	0.1104807	0.18886962	3.0085783	21	11 26.1	20.2
290636 2005 UW_{250}	16.0	X	355.49091	35.73471	337.12680	10.16201	0.1408124	0.18506997	3.0496178	21	10 24.2	19.7
290637 2005 UH_{251}	15.5	X	352.22641	67.55023	290.88523	8.74822	0.0957107	0.18099957	3.0951689	21	9 26.7	19.5
290638 2005 UJ_{252}	15.3	X	222.33130	99.51370	347.39653	14.53202	0.1461651	0.17126243	3.2114018	21	7 29.5	20.5
290639 2005 UB_{257}	16.0	X	58.90878	238.21325	51.65977	7.87767	0.1467676	0.18248178	3.0783858	21	10 20.3	20.3
290640 2005 UY_{258}	16.4	X	49.55750	224.98008	61.20836	6.03966	0.1165758	0.17910166	3.1169964	21	9 29.6	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290641 2005 UZ_{259}	16.7	X	72.35509	255.09389	158.91090	2.34999	0.0599381	0.20344357	2.8631235	21	—	—
290642 2005 UG_{263}	17.1	X	201.85516	297.16854	86.82054	2.70819	0.0820312	0.22197798	2.7014449	21	4 19.1	21.0
290643 2005 UJ_{264}	16.7	X	295.83089	206.62004	54.79396	6.16163	0.0983480	0.21802093	2.7340341	21	3 2.0	20.5
290644 2005 UZ_{266}	15.9	X	31.25966	243.25195	64.55781	11.51657	0.1034367	0.17757219	3.1348691	21	10 2.6	20.1
290645 2005 UH_{269}	17.0	X	81.55385	14.61251	76.88527	1.63350	0.0348457	0.21292978	2.7774427	21	2 15.9	20.5
290646 2005 UZ_{275}	16.8	X	168.65597	13.33824	28.77253	6.90201	0.0219778	0.21850805	2.7299692	21	4 2.4	20.6
290647 2005 UY_{277}	16.6	X	76.57501	285.44517	25.69843	1.86289	0.1013601	0.18799252	3.0179289	21	11 28.2	21.0
290648 2005 UQ_{279}	16.9	X	196.27247	323.48268	48.65706	3.00411	0.0557603	0.21827107	2.7319449	21	3 29.3	20.7
290649 2005 UV_{279}	16.8	X	87.78332	198.34847	186.86230	0.92842	0.1627104	0.20174296	2.8791908	21	—	—
290650 2005 UF_{280}	16.3	X	111.55063	262.92381	217.89994	9.31990	0.0310530	0.22125809	2.7073014	21	5 2.5	19.9
290651 2005 UB_{284}	15.7	X	358.50937	168.15574	165.01681	4.51460	0.0902897	0.17814630	3.1281304	21	9 8.0	19.5
290652 2005 UM_{284}	16.6	X	163.41698	296.39480	63.95784	6.29910	0.0947850	0.21152952	2.7896864	21	2 11.6	20.8
290653 2005 UG_{286}	16.6	X	346.26038	119.02679	192.30449	9.93107	0.1661747	0.23713963	2.5850362	21	7 17.0	19.2
290654 2005 UQ_{286}	17.4	X	181.12042	188.22508	104.00187	3.23606	0.2020982	0.26889799	2.3772654	21	—	—
290655 2005 UN_{287}	17.3	X	250.79546	23.45829	98.46421	4.37878	0.1235283	0.24499790	2.5294599	21	10 19.9	20.6
290656 2005 UA_{293}	17.9	X	62.08583	164.31055	305.32549	1.99371	0.1596606	0.27093183	2.3653533	21	2 9.6	19.8
290657 2005 UZ_{293}	16.4	X	310.17606	66.63459	20.08040	5.67832	0.1576377	0.18531097	3.0469731	21	11 13.4	19.8
290658 2005 UV_{294}	16.8	X	254.38891	74.90127	289.69354	1.93373	0.1002694	0.22696198	2.6617503	21	5 19.4	20.5
290659 2005 UJ_{295}	16.9	X	216.09043	210.87560	313.83850	2.53692	0.1053889	0.24487318	2.5303187	21	11 1.3	20.6
290660 2005 UY_{297}	15.4	X	68.39750	204.85179	56.54601	10.12393	0.0416658	0.17392821	3.1785036	21	9 14.2	20.0
290661 2005 UD_{299}	16.9	X	260.14459	334.30886	147.52993	0.53636	0.1240423	0.18204733	3.0832815	21	10 21.1	21.2
290662 2005 UB_{300}	16.7	X	197.33451	196.65462	61.86695	0.91074	0.0652896	0.19699737	2.9252462	21	—	—
290663 2005 UV_{300}	16.2	X	3.67577	265.12945	122.57191	5.75034	0.1804896	0.18611309	3.0382122	21	12 6.6	19.7
290664 2005 UM_{305}	17.4	X	117.54875	209.20093	246.68668	3.52737	0.0987858	0.28027537	2.3124876	21	4 9.2	20.2
290665 2005 UO_{308}	17.6	X	319.20448	89.21865	34.39622	1.73840	0.1403535	0.25458105	2.4655775	21	—	—
290666 2005 UY_{310}	16.8	X	82.43935	68.10772	47.44701	5.68760	0.1234709	0.21578840	2.7528591	21	4 2.6	20.3
290667 2005 UN_{312}	16.4	X	309.37574	251.62002	135.36323	1.94787	0.1780200	0.17787434	3.1313180	21	8 22.1	20.2
290668 2005 UQ_{312}	17.4	X	98.46596	128.13396	287.72586	0.50352	0.1662515	0.27049510	2.3678987	21	1 29.5	19.8
290669 2005 UV_{314}	16.1	X	206.67370	300.63451	64.26654	9.71993	0.1996119	0.22119852	2.7077875	21	4 2.6	20.8
290670 2005 UN_{317}	16.2	X	62.88432	30.37685	271.72904	1.57233	0.1695322	0.18947550	3.0021612	21	11 10.8	20.5
290671 2005 UX_{320}	16.4	X	238.22502	161.22985	196.71582	5.71205	0.0425320	0.22205581	2.7008136	21	4 29.1	20.1
290672 2005 UR_{321}	15.4	X	74.02264	41.89030	256.65173	9.64195	0.0279035	0.18148238	3.0896769	21	10 28.4	19.9
290673 2005 UU_{325}	17.4	X	224.85186	227.64296	191.56817	5.82959	0.0474202	0.23235118	2.6204314	21	7 1.0	21.1
290674 2005 UV_{337}	16.3	X	74.90722	87.30518	173.14004	0.79708	0.1381760	0.17969359	3.1101475	21	9 29.9	20.8
290675 2005 UL_{338}	17.0	X	111.65210	195.37804	179.35026	1.91079	0.0817417	0.20484077	2.8500892	21	—	—
290676 2005 UO_{338}	17.0	X	204.72225	85.58837	309.98255	4.50229	0.0796028	0.22356670	2.6886316	21	5 3.9	21.1
290677 2005 UV_{341}	17.4	X	357.37208	243.97722	287.38316	5.34289	0.1567166	0.27079212	2.3661668	21	1 4.1	19.9
290678 2005 UT_{342}	16.3	X	153.14858	266.73574	89.99627	5.41721	0.1291725	0.20826872	2.8187292	21	1 29.8	20.5
290679 2005 UY_{342}	16.0	X	178.25325	195.94304	240.27542	8.83223	0.2499170	0.22222683	2.6994278	21	6 1.1	20.7
290680 2005 UV_{347}	15.6	X	10.80318	92.91702	212.20979	15.10285	0.2263580	0.17753558	3.1353000	21	8 26.7	19.1
290681 2005 UM_{350}	16.2	X	38.40636	137.32896	186.53170	15.42422	0.2249006	0.18719842	3.0264577	21	11 17.3	20.3
290682 2005 UK_{351}	16.3	X	154.49860	79.91869	12.63437	13.22992	0.0987929	0.22417912	2.6837328	21	5 21.1	20.5
290683 2005 UZ_{351}	15.0	X	177.63933	275.92874	254.59267	9.59975	0.0601860	0.17902755	3.1178566	21	9 19.9	19.9
290684 2005 US_{354}	15.4	X	309.27758	43.50808	16.16481	9.23745	0.0677987	0.18099826	3.0951839	21	10 16.1	19.4
290685 2005 UT_{354}	15.5	X	307.89398	351.36309	58.07333	18.53152	0.1901798	0.17781421	3.1320239	21	9 28.3	19.5
290686 2005 UW_{354}	15.4	X	283.33330	49.19348	13.91091	11.61375	0.0642397	0.17741074	3.1367707	21	9 18.1	19.7
290687 2005 UY_{360}	16.0	X	301.91865	70.14769	38.11533	9.14638	0.1543832	0.18855861	3.0118856	21	11 28.3	19.6
290688 2005 UX_{361}	17.0	X	90.96870	20.04712	78.03054	1.77400	0.0377241	0.21467000	2.7624122	21	3 9.2	20.5
290689 2005 UY_{363}	16.1	X	246.38854	100.15537	210.77008	10.68113	0.0490490	0.21615860	2.7497151	21	3 5.7	20.3
290690 2005 UK_{365}	17.2	X	85.57572	71.24805	116.58972	3.29196	0.0133630	0.22813129	2.6526471	21	6 24.0	20.8
290691 2005 UX_{367}	16.1	X	11.10434	110.24733	67.07062	5.49587	0.0151145	0.21263951	2.7799698	21	3 5.0	19.9
290692 2005 UN_{368}	16.2	X	90.37214	249.79223	75.65433	6.45780	0.0752840	0.19074233	2.9888537	21	12 28.0	20.6
290693 2005 UW_{370}	16.4	X	273.31279	199.93735	76.45854	6.49650	0.0284258	0.21357971	2.7718053	21	3 3.7	20.3
290694 2005 UC_{371}	17.3	X	190.83619	77.12277	36.13049	2.67835	0.0165243	0.23194644	2.6234789	21	8 3.6	20.9
290695 2005 UO_{371}	18.1	X	265.75320	151.25137	249.29546	2.04754	0.0867409	0.29615939	2.2290461	21	7 24.9	20.8
290696 2005 UA_{373}	16.6	X	276.52078	26.06163	289.72956	2.28201	0.0795625	0.22081859	2.7108925	21	4 14.8	20.5
290697 2005 UJ_{373}	16.4	X	57.26443	172.98803	256.07602	3.42668	0.1110782	0.20066477	2.8894951	21	—	—
290698 2005 UH_{374}	16.8	X	72.61882	147.73398	268.89128	1.03827	0.1261375	0.20176287	2.8790014	21	1 2.2	20.2
290699 2005 UK_{379}	16.2	X	17.88356	103.06783	191.34801	5.15315	0.1489247	0.17650270	3.1475199	21	8 21.8	20.0
290700 2005 UR_{382}	17.5	X	250.06744	308.57067	118.16346	5.89976	0.1949398	0.29946932	2.2125911	21	7 26.2	20.2
290701 2005 UF_{385}	16.9	X	193.37132	155.09871	285.08261	4.77922	0.0252711	0.22846634	2.6500531	21	6 21.5	20.5
290702 2005 UP_{387}	16.4	X	62.12629	14.83034	299.20316	2.37570	0.1067977	0.18338504	3.0682691	21	11 14.6	20.7
290703 2005 UU_{389}	18.0	X	151.67443	38.91379	194.57169	5.10007	0.1144095	0.31347006	2.1462089	21	12 1.1	21.1
290704 2005 UA_{392}	18.1	X	59.89779	115.21550	164.35265	3.46075	0.1640624	0.30749160	2.1739383	21	10 27.0	20.6
290705 2005 UB_{392}	16.9	X	348.17849	4.60752	125.87130	2.95747	0.0163398	0.20286792	2.8685370	21	—	—
290706 2005 UK_{393}	15.3	X	326.35363	296.18761	89.21755	11.20125	0.0489515	0.18011726	3.1052685	21	10 4.8	19.6
290707 2005 UH_{402}	15.5	X	81.75713	12.91144	238.72094	10.83089	0.2044000	0.17740195	3.1368743	21	10 1.3	20.4
290708 2005 UY_{403}	17.3	X	175.79231	220.32729	200.05168	6.55131	0.0897070	0.28400259	2.2922106	21	5 2.9	20.5
290709 2005 UM_{407}	17.0	X	102.34699	218.01424	141.41372	2.62148	0.0774426	0.20160880	2.8804680	21	—	—
290710 2005 UP_{412}	16.5	X	126.49845	136.30312	220.66962	5.71476	0.1110444	0.20187564	2.8779292	21	—	—
290711 2005 UP_{413}	17.0	X	210.40703	142.81334	202.40327	5.74686	0.0273962	0.21616811	2.7496345	21	3 9.4	20.8
290712 2005 UC_{414}	15.2	X	267.92249	218.55860	55.77548	11.04141	0.0487872	0.15064269	3.4981413	21	3 4.0	20.4
290713 2005 UM_{414}	16.1	X	316.08435	297.54854	210.77186	10.52435	0.0451138	0.19858320	2.9096520	21	—	—
290714 2005 UN_{414}	17.5	X	36.35045	60.06566	74.03825	3.83738	0.1768761	0.27050108	2.3678638	21	1 23.9	19.3
290715 2005 UO_{417}	16.2	X	346.86189	294.59942	111.41350	3.67332	0.0808738	0.18699075	3.0286979	21	11 25.0	19.9
290716 2005 UL_{422}	17.7	X	168.42444	66.68727	37.65094	3.18414	0.1420229	0.28875040	2.2670146	21	6 24.9	21.2
290717 2005 UA_{424}	18.3	X	316.32823	153.30313	216.71961	3.74411	0.1477486	0.30293572	2.1956801	21	8 23.8	20.2
290718 2005 UJ_{427}	15.3	X	58.68189	31.49361	254.12518	8.03546	0.0547897	0.17748933	3.1358447	21	9 25.0	19.8
290719 2005 UL_{427}	15.9	X	251.12080	322.57706	38.67819	12.71040	0.0986253	0.22527557	2.6750177	21	5 10.6	19.8
290720 2005 UR_{429}	18.0	X	276.35945	10.35288	298.19401	1.14728	0.0545682	0.28301989	2.2975135	21	4 1.9	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290721 2005 UE_{430}	17.7	X	123.48398	80.96540	275.43665	2.38712	0.1415237	0.26595725	2.3947572	21	—	—
290722 2005 UQ_{430}	15.7	X	340.34990	78.60250	255.15511	4.40709	0.2020269	0.17518131	3.1633278	21	8 2.8	19.1
290723 2005 UZ_{437}	16.2	X	110.03642	255.81694	220.38922	7.34269	0.1503558	0.21942744	2.7223383	21	5 11.8	20.0
290724 2005 UC_{443}	15.8	X	266.16899	301.21041	249.49422	10.54700	0.0477764	0.19931983	2.9024787	21	—	—
290725 2005 UG_{443}	15.3	X	249.94846	30.86257	27.25719	22.57098	0.1121685	0.17086796	3.2163425	21	7 30.3	20.5
290726 2005 UM_{443}	15.8	X	63.81374	245.08652	248.53208	8.17434	0.1417001	0.21486752	2.7607190	21	3 26.1	19.3
290727 2005 UO_{443}	17.0	X	239.11998	59.27886	358.16287	8.79399	0.2115455	0.23255501	2.6189000	21	6 30.2	21.3
290728 2005 UY_{443}	17.1	X	147.26634	93.53595	328.27051	5.78123	0.1573152	0.27924017	2.3181994	21	4 5.4	20.6
290729 2005 US_{444}	17.0	X	265.57109	329.83276	41.78790	8.10018	0.2004454	0.29290904	2.2455059	21	5 25.7	20.2
290730 2005 UL_{445}	15.7	X	136.29391	211.32519	71.36946	12.07907	0.0832706	0.19128771	2.9831700	21	12 25.3	20.3
290731 2005 UV_{446}	15.4	X	71.75772	74.43232	256.49802	10.58145	0.0323004	0.18987850	2.9979118	21	12 8.1	19.6
290732 2005 UH_{447}	16.9	X	201.89926	84.86072	269.32476	6.52361	0.1334279	0.27982663	2.3149593	21	3 2.1	20.5
290733 2005 UJ_{447}	15.2	X	359.21195	75.33679	246.77145	14.08027	0.1664346	0.17687081	3.1431512	21	8 20.3	19.1
290734 2005 UN_{448}	16.8	X	173.35283	229.49054	285.21298	6.61590	0.0738146	0.29970735	2.2114194	21	9 5.2	19.8
290735 2005 UG_{453}	15.9	X	312.01911	99.91525	269.81524	3.79370	0.1581983	0.17613279	3.1519252	21	8 4.6	19.7
290736 2005 UM_{456}	15.9	X	312.02512	310.97248	95.06105	7.45357	0.0877286	0.18179256	3.0861614	21	10 5.7	19.9
290737 2005 UH_{457}	15.4	X	336.12279	292.70851	90.69889	10.04460	0.1299808	0.18175546	3.0865815	21	10 13.8	19.2
290738 2005 UM_{457}	15.1	X	325.20135	253.13500	88.44990	16.78401	0.2735375	0.17740234	3.1368698	21	7 4.5	18.5
290739 2005 UD_{462}	16.2	X	35.04692	326.77623	100.35615	3.13694	0.0672673	0.19949088	2.9008194	21	—	—
290740 2005 UZ_{465}	16.8	X	185.13039	253.31291	75.32276	6.72594	0.0309412	0.20960284	2.8067556	21	1 22.1	20.8
290741 2005 UZ_{466}	16.6	X	235.92668	32.62042	311.78407	4.57115	0.0830165	0.22014677	2.7164049	21	4 2.8	20.7
290742 2005 UF_{470}	14.6	X	136.34351	340.54356	271.83804	7.24907	0.1707776	0.12382232	3.9866070	21	11 14.0	20.9
290743 2005 UK_{470}	17.2	X	9.62623	205.28871	326.40400	3.17730	0.0496511	0.27431463	2.3458671	21	2 6.5	19.6
290744 2005 UU_{470}	16.7	X	109.63098	71.79702	25.43020	7.53423	0.1922732	0.21430488	2.7655489	21	4 21.9	20.7
290745 2005 UV_{472}	16.7	X	12.78025	11.37665	273.16858	4.53676	0.2753922	0.23436457	2.6054020	21	8 16.2	18.5
290746 2005 UB_{473}	16.8	X	233.71677	275.13826	27.15220	4.67893	0.0512670	0.20980109	2.8049873	21	2 14.6	21.0
290747 2005 UP_{479}	15.0	X	133.40074	140.80714	115.76976	4.65600	0.1360134	0.12313109	4.0015131	21	11 16.9	21.2
290748 2005 UY_{479}	16.5	X	156.77902	29.98116	76.62267	30.67398	0.2291754	0.28599704	2.2815414	21	6 17.8	20.3
290749 2005 UO_{485}	15.7	X	359.17071	256.93314	65.91619	12.50624	0.2165261	0.17892505	3.1190472	21	9 8.1	19.1
290750 2005 UC_{487}	15.5	X	262.81368	157.32417	280.07104	10.78462	0.0689497	0.18004902	3.1060531	21	8 31.9	20.1
290751 2005 UC_{488}	15.6	X	314.68073	48.67826	291.27342	12.99937	0.1543796	0.17479413	3.1679975	21	7 2.1	19.6
290752 2005 UV_{492}	16.4	X	359.47834	31.48917	280.14345	11.04598	0.1185134	0.23922380	2.5700000	21	8 12.5	19.3
290753 2005 UY_{493}	15.4	X	338.89253	90.65007	274.51078	9.87182	0.1024038	0.17838276	3.1253653	21	9 13.1	19.4
290754 2005 UH_{494}	17.2	X	96.21370	346.91367	116.21028	3.55723	0.1577648	0.27598192	2.3364095	21	4 2.8	19.8
290755 2005 US_{494}	15.5	X	342.87528	212.45698	174.49087	10.94760	0.1524636	0.18291980	3.0734694	21	10 27.6	19.0
290756 2005 UA_{498}	15.8	X	325.85737	284.19549	87.81702	6.30910	0.1695192	0.17860901	3.1227255	21	9 4.4	19.4
290757 2005 UE_{500}	16.0	X	324.31110	213.80116	166.66571	12.32304	0.1744639	0.17907854	3.1172648	21	9 9.4	19.5
290758 2005 UH_{502}	16.0	X	302.33642	41.22687	264.91960	12.59862	0.2553794	0.22921214	2.6443015	21	4 3.4	20.0
290759 2005 UR_{505}	17.0	X	270.35492	29.17467	334.23291	6.45635	0.1318760	0.27644782	2.3337837	21	5 29.9	20.1
290760 2005 UC_{509}	17.4	X	325.70788	264.73560	62.45897	7.70732	0.1283131	0.29519127	2.2339171	21	7 6.3	19.3
290761 2005 UW_{510}	18.1	X	58.41521	71.75061	227.19973	4.44110	0.2061589	0.30946009	2.1647095	21	11 25.7	20.8
290762 2005 US_{511}	17.6	X	100.35081	125.58645	321.36947	1.71902	0.1408672	0.27427820	2.3460748	21	3 11.9	20.2
290763 2005 UP_{512}	17.3	X	116.21660	44.95990	278.71162	3.03510	0.0950154	0.25696353	2.4503139	21	—	—
290764 2005 UL_{513}	16.7	X	67.73799	288.07508	213.14962	1.67575	0.0430842	0.21354361	2.7721177	21	4 2.3	20.3
290765 2005 UB_{514}	17.0	X	197.24706	25.63676	12.93825	6.02655	0.0616016	0.22318871	2.6916664	21	4 30.2	20.9
290766 2005 UH_{514}	17.2	X	204.96974	31.26060	155.47144	2.43182	0.1579738	0.25436433	2.4669778	21	11 14.6	20.8
290767 2005 UJ_{514}	16.9	X	278.94674	154.93591	143.89012	2.70197	0.0700662	0.22521860	2.6754688	21	3 29.8	20.5
290768 2005 UR_{515}	15.8	X	29.26764	102.74931	173.27135	16.04781	0.0544861	0.17294293	3.1905643	21	8 5.0	20.2
290769 2005 UQ_{517}	16.0	X	313.90957	208.30952	166.23354	10.57470	0.0827447	0.17713520	3.1400227	21	8 23.4	20.2
290770 2005 UG_{523}	16.2	X	15.55554	97.71954	187.64180	8.54198	0.1630636	0.17907880	3.1172617	21	8 5.7	19.8
290771 2005 UY_{526}	17.0	X	82.60051	19.54631	98.16939	1.87959	0.0271380	0.21297974	2.7770084	21	3 22.3	20.6
290772 2005 VC	17.5	X	354.79434	290.19839	227.97116	4.48308	0.5948372	0.32782434	2.0830926	21	—	—
290773 2005 VL_{3}	15.8	X	255.50808	59.34740	238.66254	7.97480	0.0860069	0.21814068	2.7330335	21	2 23.9	20.1
290774 2005 VM_{4}	17.4	X	250.69170	194.50644	231.84897	2.21436	0.2265482	0.23481998	2.6020323	21	7 20.4	21.3
290775 2005 VT_{11}	17.2	X	204.72019	3.89074	55.79453	6.75720	0.1906952	0.28987343	2.2611555	21	5 30.9	20.7
290776 2005 VV_{14}	16.3	X	175.82377	90.62820	92.40945	6.54940	0.0871548	0.17809211	3.1287649	21	10 10.3	21.2
290777 2005 VX_{26}	16.0	X	174.41135	348.87464	230.80836	9.95795	0.0616781	0.18822222	3.0154731	21	11 20.4	20.6
290778 2005 VP_{28}	16.5	X	199.45576	135.53217	246.06779	4.52026	0.0440630	0.22094841	2.7098305	21	4 10.9	20.4
290779 2005 VB_{32}	15.7	X	302.83041	335.85975	66.32004	6.71574	0.2201436	0.17581375	3.1557372	21	8 28.3	19.6
290780 2005 VR_{33}	15.6	X	307.98953	154.14538	224.20416	14.57036	0.1410161	0.17381690	3.1798603	21	8 7.1	20.0
290781 2005 VC_{38}	17.3	X	21.52125	302.70230	186.44171	4.02335	0.1766602	0.26520160	2.3993040	21	—	—
290782 2005 VU_{39}	15.1	X	292.42079	161.93026	236.33746	9.72886	0.0087551	0.17648319	3.1477519	21	8 29.4	19.7
290783 2005 VW_{39}	15.5	X	146.08357	24.34746	240.43443	7.66042	0.0484178	0.19147326	2.9812425	21	12 14.3	19.8
290784 2005 VU_{40}	16.7	X	5.09880	80.35655	142.23101	3.34809	0.0750449	0.21805071	2.7337852	21	4 20.7	19.9
290785 2005 VD_{43}	15.8	X	239.78544	288.52523	228.43733	9.22004	0.0719733	0.18670588	3.0317779	21	11 16.3	20.0
290786 2005 VA_{44}	16.3	X	339.88452	359.73308	66.10838	3.38568	0.1336319	0.19205143	2.9752561	21	12 11.8	19.8
290787 2005 VH_{46}	16.6	X	150.49649	270.97992	164.87524	4.99629	0.0839636	0.21746030	2.7387311	21	4 29.8	20.6
290788 2005 VR_{50}	15.5	X	251.48381	309.86035	175.85809	11.99135	0.2663650	0.18103459	3.0947698	21	9 27.6	20.2
290789 2005 VU_{50}	15.6	X	275.05989	348.61619	85.76224	10.25806	0.0821371	0.17896755	3.1185534	21	9 21.9	20.0
290790 2005 VE_{61}	16.1	X	309.94672	280.51621	120.69869	5.63651	0.1365242	0.17927953	3.1149344	21	9 18.9	19.9
290791 2005 VT_{62}	17.7	X	61.35814	46.28540	264.52712	1.55957	0.1939627	0.25412723	2.4685120	21	12 3.5	21.0
290792 2005 VA_{67}	16.3	X	0.63485	30.52127	67.90231	5.84716	0.0800816	0.19750307	2.9202508	21	—	—
290793 2005 VV_{69}	17.0	X	178.89059	335.61462	125.80591	3.49162	0.0721211	0.22689208	2.6622969	21	7 1.7	20.9
290794 2005 VX_{70}	16.8	X	200.25483	167.14938	188.08894	3.32908	0.1070437	0.21456480	2.7633150	21	3 11.9	21.1
290795 2005 VC_{72}	17.5	X	34.45363	290.45378	191.46702	2.16764	0.1680326	0.26639822	2.3921138	21	1 1.4	19.5
290796 2005 VP_{74}	17.1	X	327.14418	173.11568	215.65270	7.59578	0.0924003	0.30388769	2.1910922	21	10 22.5	19.1
290797 2005 VO_{75}	17.3	X	122.98875	24.83554	29.20357	2.76040	0.2192195	0.27263591	2.3554868	21	3 11.1	20.3
290798 2005 VR_{78}	15.5	X	280.02000	340.31933	87.03437	12.17002	0.1124829	0.17777031	3.1325395	21	9 15.8	20.0
290799 2005 VP_{79}	15.4	X	320.74751	32.96598	18.08355	16.63599	0.2773990	0.18093693	3.0958833	21	10 5.5	18.2
290800 2005 VE_{83}	16.5	X	234.94738	174.87240	189.74858	5.92664	0.0551560	0.22196275	2.7015685	21	5 3.0	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290801 2005 VN_{87}	17.9	X	153.16602	276.78912	183.18472	1.69459	0.1622039	0.28527316	2.2853994	21	6 4.6	21.4
290802 2005 VA_{89}	17.0	X	238.29483	292.76788	105.93896	4.30334	0.1995776	0.22913422	2.6449010	21	6 6.1	21.1
290803 2005 VB_{89}	17.2	X	52.17370	218.14431	97.91862	5.09396	0.1810265	0.31071848	2.1588609	21	12 8.5	19.9
290804 2005 VM_{90}	15.9	X	8.01427	342.33321	35.82605	10.91876	0.1175065	0.18399165	3.0615215	21	11 21.3	19.8
290805 2005 VR_{93}	15.8	X	190.19086	10.94946	192.24782	7.03427	0.1040377	0.18269141	3.0760304	21	11 15.0	20.5
290806 2005 VX_{93}	16.9	X	331.23628	10.66725	146.85621	3.86703	0.1314311	0.26195819	2.4190679	21	—	—
290807 2005 VY_{93}	15.7	X	210.02879	257.60189	219.37630	16.49469	0.1386618	0.16981600	3.2296117	21	8 13.4	21.2
290808 2005 VZ_{93}	16.5	X	162.25471	285.43877	105.17176	5.29697	0.1130132	0.21378027	2.7700714	21	3 20.5	20.7
290809 2005 VG_{96}	15.8	X	13.52264	126.41290	233.13767	9.46434	0.1147331	0.18449143	3.0559899	21	11 7.2	19.6
290810 2005 VW_{98}	15.9	X	239.42252	42.92520	306.86079	14.16480	0.0273520	0.22231219	2.6987368	21	4 12.7	20.0
290811 2005 VR_{101}	17.4	X	201.65122	86.20097	94.12072	5.30247	0.0308701	0.30821749	2.1705237	21	11 26.2	19.8
290812 2005 VN_{102}	16.0	X	67.69143	225.25309	190.30561	10.10237	0.0843785	0.20226061	2.8742763	21	—	—
290813 2005 VR_{102}	15.8	X	198.63085	354.32325	4.46397	13.16107	0.2007124	0.21819723	2.7325612	21	3 16.9	20.5
290814 2005 VA_{107}	17.2	X	244.02237	72.71514	222.58525	6.24191	0.1245896	0.27808271	2.3246276	21	1 29.7	20.7
290815 2005 VR_{109}	17.2	X	121.93356	224.49062	214.92123	5.15480	0.0823889	0.27822165	2.3238536	21	3 20.7	20.1
290816 2005 VL_{111}	17.3	X	89.10916	276.68933	272.16473	4.66769	0.0939567	0.28786000	2.2716870	21	7 13.2	20.0
290817 2005 VE_{112}	17.0	X	277.81411	45.85288	346.99698	2.27692	0.1435353	0.23332003	2.6131722	21	7 21.2	20.4
290818 2005 VK_{114}	17.5	X	110.03716	266.00842	241.61575	2.40858	0.1039849	0.28422610	2.2910087	21	6 13.9	20.4
290819 2005 VP_{115}	16.2	X	210.75083	24.02666	295.60969	3.29393	0.0611513	0.21063026	2.7976210	21	2 7.8	20.3
290820 2005 VY_{116}	15.3	X	306.29998	23.76567	22.74237	23.37271	0.1972258	0.17785243	3.1315752	21	9 19.8	19.3
290821 2005 VA_{124}	15.6	X	0.24950	273.16691	86.52826	12.76384	0.2161141	0.18042278	3.1017619	21	10 30.9	19.0
290822 2005 VA_{126}	17.2	X	148.21570	256.69810	201.24685	4.07462	0.1319044	0.22667648	2.6639848	21	5 28.0	21.2
290823 2005 VY_{127}	17.4	X	230.05325	159.39009	72.08360	3.50309	0.1358030	0.26720867	2.3872745	21	—	—
290824 2005 VU_{128}	16.8	X	129.07181	309.86812	67.03896	5.24807	0.0823954	0.21041943	2.7994894	21	1 21.7	20.7
290825 2005 VC_{129}	17.2	X	65.14106	22.30308	94.78921	3.26154	0.0529424	0.21559092	2.7545400	21	2 28.8	20.6
290826 2005 VF_{129}	16.9	X	243.80506	196.35720	109.75604	3.96930	0.0532077	0.21890029	2.7267071	21	2 28.7	20.7
290827 2005 VU_{131}	16.2	X	160.41956	66.87053	166.76134	11.19104	0.0499053	0.18983675	2.9983513	21	11 24.7	20.8
290828 2005 VX_{132}	16.5	X	284.81724	251.52094	145.82932	10.14143	0.0886807	0.17468443	3.1693236	21	8 11.3	20.9
290829 2005 VH_{133}	16.5	X	275.23964	358.15268	148.19781	11.06175	0.0552319	0.19159154	2.9800153	21	12 21.3	20.7
290830 2005 VC_{135}	15.9	X	174.86204	330.40770	281.04754	8.32986	0.0378933	0.18939254	3.0030379	21	12 29.9	20.3
290831 2005 VZ_{135}	15.9	X	190.28300	207.22188	103.57849	7.40590	0.0529320	0.20326773	2.8647744	21	1 7.8	19.9
290832 2005 WJ_{1}	14.9	X	317.14479	44.97451	313.11681	25.84579	0.2666035	0.17469785	3.1691613	21	7 18.4	18.6
290833 2005 WH_{2}	16.2	X	277.15755	264.91928	84.30539	14.91492	0.1430571	0.22765983	2.6563081	21	5 23.9	20.0
290834 2005 WW_{5}	15.8	X	264.38344	249.34590	89.96769	13.78860	0.2762375	0.22643431	2.6658839	21	4 16.7	20.4
290835 2005 WY_{7}	15.2	X	323.19526	304.06275	68.69168	17.52771	0.2382403	0.17608876	3.1524506	21	8 29.0	18.9
290836 2005 WT_{11}	17.7	X	37.22006	68.25249	81.08232	2.19939	0.1324547	0.27215007	2.3582893	21	2 19.1	19.7
290837 2005 WO_{14}	16.5	X	192.60881	276.20329	62.86245	10.31479	0.2675259	0.21342604	2.7731356	21	2 22.3	21.6
290838 2005 WD_{17}	16.2	X	40.94272	132.18121	240.39860	2.19739	0.1220287	0.18836555	3.0139432	21	—	—
290839 2005 WR_{17}	17.1	X	35.08577	102.03153	232.79779	3.85922	0.1039058	0.30800627	2.1715159	21	11 29.8	19.5
290840 2005 WF_{19}	17.1	X	142.75064	256.45439	131.61751	7.73060	0.2838904	0.27365125	2.3496567	21	3 6.4	20.8
290841 2005 WL_{24}	17.3	X	136.81370	94.06031	28.50705	4.56091	0.0758757	0.22215470	2.7000121	21	6 10.7	21.2
290842 2005 WJ_{25}	16.8	X	35.76493	252.70729	44.11022	4.92826	0.1052932	0.23735514	2.5834712	21	9 28.2	19.8
290843 2005 WX_{27}	15.6	X	62.87057	287.79960	62.69310	8.41147	0.1100321	0.18861482	3.0112872	21	12 31.3	20.0
290844 2005 WR_{29}	15.9	X	40.06673	62.24611	285.73470	4.29401	0.0734848	0.18355647	3.0663585	21	11 23.9	20.0
290845 2005 WJ_{30}	16.4	X	62.59057	10.42095	353.70186	2.14417	0.1147951	0.19069759	2.9893212	21	—	—
290846 2005 WD_{31}	16.4	X	246.46434	5.98819	294.21400	3.33626	0.0464302	0.21008681	2.8024434	21	2 23.7	20.5
290847 2005 WE_{31}	18.4	X	0.12598	40.83411	340.84199	1.67060	0.1623826	0.30952123	2.1644244	21	12 23.6	20.1
290848 2005 WM_{32}	16.3	X	147.06804	279.24367	259.56132	11.58677	0.1502344	0.23034819	2.6356001	21	9 1.9	20.8
290849 2005 WP_{32}	16.5	X	316.52381	169.14417	41.70397	2.56489	0.0097409	0.20584009	2.8408573	21	2 5.1	20.3
290850 2005 WB_{33}	15.0	X	248.04912	270.34598	257.91027	12.88020	0.1627761	0.18401455	3.0612674	21	11 26.4	19.4
290851 2005 WE_{33}	16.4	X	284.15275	338.50923	49.51527	6.07531	0.1704809	0.23470745	2.6028639	21	7 19.9	19.7
290852 2005 WZ_{33}	16.5	X	351.14735	163.57394	308.97596	2.17653	0.1296862	0.19291609	2.9663592	21	—	—
290853 2005 WP_{35}	16.9	X	36.50041	340.84776	244.20522	6.21885	0.0656488	0.28535723	2.2849505	21	6 9.0	19.1
290854 2005 WS_{37}	16.9	X	180.23995	346.47099	88.14902	3.32001	0.0963599	0.22104060	2.7090770	21	5 29.9	20.9
290855 2005 WE_{41}	16.0	X	342.47538	325.64385	24.40077	0.63346	0.1723341	0.17638190	3.1489568	21	9 2.8	19.5
290856 2005 WB_{42}	16.6	X	235.74041	103.99483	50.40400	2.66231	0.1002523	0.18301023	3.0724569	21	11 4.3	20.9
290857 2005 WM_{43}	16.2	X	298.13026	37.49258	258.29742	7.97158	0.0896517	0.21921379	2.7241068	21	4 13.3	20.0
290858 2005 WW_{44}	16.1	X	51.08401	6.93628	60.17397	9.03840	0.0344503	0.19900692	2.9055205	21	—	—
290859 2005 WG_{45}	16.5	X	290.67575	32.17828	254.82873	2.77457	0.0668815	0.21690970	2.7433638	21	3 28.3	20.2
290860 2005 WM_{47}	16.5	X	145.81041	358.02303	60.29797	3.30641	0.0630723	0.21338552	2.7734867	21	3 31.3	20.4
290861 2005 WD_{49}	16.4	X	227.42823	307.82184	66.31061	7.51324	0.1997339	0.22244267	2.6976813	21	4 28.3	20.8
290862 2005 WL_{49}	16.5	X	171.29467	19.57840	310.56620	1.31407	0.0562124	0.20242020	2.8727653	21	1 10.6	20.6
290863 2005 WW_{51}	16.7	X	125.04528	99.89418	238.86339	1.11596	0.0696997	0.19805279	2.9148446	21	—	—
290864 2005 WK_{52}	17.6	X	314.36153	107.78238	247.33186	2.82739	0.0606553	0.29556993	2.2320087	21	8 6.5	19.8
290865 2005 WH_{53}	16.7	X	259.84088	292.92122	62.14145	6.90079	0.0578730	0.22276406	2.6950860	21	5 19.7	20.3
290866 2005 WL_{55}	16.3	X	168.45833	263.82324	43.66846	3.45910	0.0536981	0.20239820	2.8729735	21	—	—
290867 2005 WT_{55}	17.2	X	228.17819	236.86570	262.72146	4.17358	0.0510868	0.30432198	2.1890071	21	10 30.2	19.8
290868 2005 WA_{56}	17.2	X	209.67199	130.22286	232.05023	1.41893	0.1805581	0.21750448	2.7383602	21	3 28.4	21.6
290869 2005 WH_{56}	17.2	X	135.42270	146.56101	290.14771	5.05208	0.2648036	0.27792167	2.3255255	21	4 24.0	20.9
290870 2005 WE_{57}	17.1	X	64.49970	337.38893	52.29067	0.55941	0.1495363	0.19709805	2.9242500	21	—	—
290871 2005 WJ_{57}	14.2	X	348.99735	160.70407	290.53615	4.10762	0.1595249	0.12528290	3.9555619	21	—	—
290872 2005 WQ_{57}	15.8	X	248.28212	98.93427	36.40306	17.20295	0.0636178	0.18370953	3.0646550	21	10 31.4	20.2
290873 2005 WA_{58}	17.4	X	37.60142	182.67477	252.78309	0.55242	0.1608653	0.26075533	2.4265016	21	—	—
290874 2005 WQ_{58}	15.5	X	259.24562	248.99633	284.86522	8.15136	0.0259344	0.18383151	3.0632992	21	—	—
290875 2005 WC_{60}	16.1	X	20.97211	192.95670	215.30328	9.32225	0.0689631	0.19026860	2.9938127	21	—	—
290876 2005 WH_{60}	16.0	X	144.13916	258.19908	171.44888	14.94612	0.0355367	0.21628572	2.7486376	21	4 10.4	19.9
290877 2005 WN_{66}	15.9	X	210.03829	79.02787	81.14867	2.29008	0.1278539	0.17846127	3.1244487	21	10 12.5	20.8
290878 2005 WK_{68}	16.5	X	219.42687	335.63094	171.31751	0.84263	0.1027450	0.17834880	3.1257621	21	10 7.6	21.2
290879 2005 WH_{69}	16.9	X	73.02100	177.27429	76.06477	4.39008	0.0168756	0.23551641	2.5969003	21	9 8.2	20.3
290880 2005 WZ_{71}	16.2	X	148.60634	303.49721	85.75937	4.71888	0.1019210	0.20997077	2.8034759	21	3 3.6	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290881 2005 WW_{72}	15.4	X	30.10235	13.32822	62.82617	12.76599	0.0315955	0.19534744	2.9416945	21	—	—
290882 2005 WG_{73}	15.2	X	357.70085	270.00774	86.98375	11.92164	0.1658189	0.17929014	3.1148116	21	10 18.7	18.9
290883 2005 WH_{73}	17.1	X	135.46656	10.11991	48.79868	3.09740	0.1926088	0.27489891	2.3425419	21	3 27.9	20.3
290884 2005 WK_{75}	17.9	X	243.71523	177.07489	343.48924	2.12189	0.0352041	0.31284927	2.1490472	21	12 27.5	20.2
290885 2005 WN_{75}	16.7	X	197.98111	67.53158	284.00145	3.96360	0.0907730	0.21435805	2.7650915	21	3 3.6	21.0
290886 2005 WD_{76}	16.3	X	104.79528	3.50418	36.74502	2.26863	0.0534765	0.20321408	2.8652785	21	1 17.3	20.1
290887 2005 WA_{78}	15.7	X	13.61353	241.71160	72.10061	15.44752	0.0343052	0.17079886	3.2172099	21	9 10.0	20.4
290888 2005 WG_{80}	16.3	X	216.77316	276.30716	67.27099	2.93388	0.0964293	0.21343750	2.7730364	21	3 16.4	20.6
290889 2005 WA_{82}	16.1	X	46.28913	91.09171	283.55998	3.58609	0.2029886	0.18990741	2.9976076	21	—	—
290890 2005 WY_{82}	16.4	X	186.11614	293.61485	66.30102	7.56059	0.0836654	0.21322733	2.7748583	21	3 7.3	20.7
290891 2005 WD_{84}	16.2	X	66.60629	312.35194	251.28867	8.31046	0.1053696	0.22434275	2.6824277	21	7 2.7	19.7
290892 2005 WL_{85}	16.6	X	330.77871	224.87682	176.26705	1.95090	0.1801049	0.18366843	3.0651122	21	10 21.4	19.9
290893 2005 WC_{86}	16.3	X	55.97007	280.48999	78.73543	4.04327	0.2493104	0.19166148	2.9792903	21	—	—
290894 2005 WC_{87}	17.3	X	63.00561	55.15519	75.81513	3.06169	0.1355308	0.26950302	2.3737062	21	3 15.8	19.6
290895 2005 WQ_{87}	16.7	X	333.31437	198.43829	230.54373	0.12950	0.2146685	0.18273739	3.0755145	21	12 2.6	19.5
290896 2005 WV_{87}	15.4	X	309.61954	121.00162	270.67881	12.43987	0.2995152	0.17396286	3.1780814	21	8 4.7	19.2
290897 2005 WQ_{94}	16.7	X	311.17607	284.93629	88.67594	4.93056	0.1993790	0.23665791	2.5885429	21	8 8.6	19.3
290898 2005 WR_{96}	17.8	X	16.58856	91.43871	111.78086	3.41706	0.1797730	0.27427989	2.3460651	21	3 31.4	19.5
290899 2005 WZ_{96}	16.6	X	6.65145	265.61439	243.38598	1.09146	0.0118297	0.20253672	2.8716634	21	1 21.6	20.5
290900 2005 WN_{97}	17.6	X	120.61887	32.88203	60.32844	3.62392	0.1241086	0.27737516	2.3285791	21	4 16.3	20.4
290901 2005 WV_{97}	15.9	X	57.44837	349.77998	69.67432	3.06741	0.1209749	0.19590892	2.9360711	21	—	—
290902 2005 WL_{98}	16.3	X	250.70059	279.57805	150.95168	1.95155	0.1710185	0.17250623	3.1959467	21	7 31.1	21.1
290903 2005 WA_{99}	16.2	X	142.97030	192.07181	82.78205	5.39643	0.0316088	0.18697418	3.0288769	21	12 21.8	20.7
290904 2005 WU_{99}	15.5	X	47.59513	131.31822	73.49898	16.51759	0.0928756	0.15709672	3.4016631	21	6 6.5	19.8
290905 2005 WJ_{100}	15.7	X	18.33261	112.06052	235.42690	9.71854	0.1246527	0.18145598	3.0899766	21	10 30.0	19.6
290906 2005 WA_{101}	17.1	X	297.75774	159.63914	219.61845	2.18122	0.1990328	0.23565819	2.5958585	21	7 21.5	20.1
290907 2005 WW_{101}	17.2	X	124.12156	208.26412	234.50021	4.70392	0.1398702	0.27631050	2.3345569	21	4 6.0	20.2
290908 2005 WY_{102}	16.9	X	120.65429	284.60499	105.12789	8.54820	0.2136791	0.26997370	2.3709465	21	2 4.1	19.9
290909 2005 WE_{104}	17.3	X	128.07557	341.82880	119.30957	3.00809	0.1665966	0.27933319	2.3176847	21	5 11.7	20.5
290910 2005 WV_{104}	15.2	X	211.94297	178.25080	214.67933	7.90096	0.1667626	0.15841332	3.3827891	21	5 11.0	20.7
290911 2005 WT_{105}	15.9	X	246.03485	190.43181	170.27737	13.94682	0.0480041	0.22226289	2.6991359	21	5 14.2	19.9
290912 2005 WB_{107}	17.2	X	190.37786	259.15006	173.99301	1.64703	0.0428178	0.22531178	2.6747310	21	6 8.1	20.9
290913 2005 WR_{109}	16.0	X	208.50466	64.05064	74.14390	5.65173	0.0913772	0.17368765	3.1814377	21	9 18.9	20.9
290914 2005 WY_{113}	16.8	X	280.39175	21.83873	309.47554	4.41282	0.0614864	0.22289221	2.6940529	21	5 12.4	20.5
290915 2005 WB_{114}	15.0	X	10.57950	213.37517	44.25920	6.29209	0.0685181	0.16751671	3.2590971	21	6 17.4	19.2
290916 2005 WN_{114}	17.0	X	282.28748	23.57415	359.03531	3.53863	0.2166932	0.23364337	2.6107608	21	7 1.3	20.5
290917 2005 WV_{114}	16.0	X	257.54704	224.16570	96.67406	7.09709	0.0317835	0.21197369	2.7857881	21	4 9.9	19.9
290918 2005 WQ_{117}	17.6	X	322.03803	17.82377	45.01747	7.09382	0.1090634	0.30901171	2.1668030	21	12 6.8	19.3
290919 2005 WZ_{117}	17.3	X	83.39857	72.00554	17.77571	3.87338	0.1733656	0.27042021	2.3683358	21	2 24.8	19.7
290920 2005 WQ_{118}	15.5	X	315.43765	153.88090	311.49289	8.96085	0.0454675	0.18921405	3.0049260	21	12 24.7	19.5
290921 2005 WU_{118}	17.6	X	116.12982	233.14073	278.41718	2.03963	0.1365703	0.28480613	2.2878971	21	7 1.8	20.7
290922 2005 WQ_{119}	17.2	X	235.49706	300.96357	109.34292	3.23775	0.2031157	0.22884492	2.6471296	21	6 17.6	21.3
290923 2005 WU_{123}	17.2	X	275.48227	121.91545	204.17028	1.70056	0.0870041	0.22638053	2.6663060	21	4 26.7	20.6
290924 2005 WX_{123}	17.5	X	75.95251	274.09537	216.95865	2.51136	0.1296063	0.27877697	2.3207665	21	4 3.2	19.9
290925 2005 WV_{125}	17.0	X	278.18455	83.76492	23.08439	0.39113	0.1417752	0.18270515	3.0758763	21	10 23.2	20.8
290926 2005 WT_{127}	16.9	X	95.66828	353.17890	236.29098	2.62131	0.1200734	0.23506091	2.6002540	21	9 16.2	20.6
290927 2005 WO_{130}	17.1	X	302.78249	186.99360	69.34765	6.63175	0.1140538	0.27634370	2.3343699	21	2 20.3	20.1
290928 2005 WC_{131}	16.0	X	49.86838	213.20165	64.25663	2.26038	0.1778939	0.17393204	3.1784569	21	9 25.6	20.1
290929 2005 WG_{131}	16.7	X	186.50912	114.58668	260.58111	1.98880	0.1065657	0.21475357	2.7616954	21	3 21.9	21.0
290930 2005 WZ_{135}	17.1	X	177.68972	28.61796	62.61674	3.71927	0.0704526	0.22396958	2.6854065	21	6 16.8	20.9
290931 2005 WG_{136}	17.3	X	94.24370	78.57600	73.75229	3.84226	0.1452517	0.28039531	2.3118282	21	6 5.7	19.8
290932 2005 WC_{139}	16.1	X	156.90086	286.86734	272.07456	0.94831	0.0580005	0.17559838	3.1583169	21	10 5.8	20.7
290933 2005 WK_{140}	15.6	X	311.60948	5.68416	95.09486	4.78512	0.0180063	0.18205000	3.0832513	21	12 13.3	19.7
290934 2005 WM_{140}	14.3	X	13.93288	334.19708	96.33592	8.33845	0.2408887	0.12572029	3.9463822	21	—	—
290935 2005 WT_{140}	16.1	X	261.07021	194.27068	280.22309	14.34673	0.0518401	0.23827516	2.5768168	21	10 26.3	19.8
290936 2005 WQ_{143}	17.5	X	337.92362	79.17060	85.84273	1.93637	0.1407021	0.26241659	2.4162500	21	—	—
290937 2005 WV_{145}	17.0	X	277.36358	41.09407	331.38544	1.47266	0.1059115	0.22976673	2.6400447	21	6 27.9	20.4
290938 2005 WK_{146}	16.6	X	0.79360	181.01536	50.45519	4.10955	0.1331375	0.21699694	2.7426284	21	4 22.2	19.5
290939 2005 WN_{149}	17.6	X	273.42755	17.82566	44.69365	4.86414	0.1129863	0.29911520	2.2143371	21	9 7.2	19.9
290940 2005 WS_{149}	15.4	X	149.29116	351.49996	268.66755	14.31772	0.2090817	0.18543811	3.0455803	21	12 11.7	20.7
290941 2005 WN_{150}	15.2	X	291.95019	140.98349	261.07797	10.25328	0.0639772	0.17484946	3.1673290	21	8 25.7	19.7
290942 2005 WA_{153}	15.9	X	172.01503	263.19451	63.28162	10.84936	0.0303678	0.20221054	2.8747507	21	1 4.9	20.1
290943 2005 WN_{154}	15.3	X	8.55692	195.85596	125.00402	10.43657	0.0817161	0.17484024	3.1674404	21	9 9.8	19.4
290944 2005 WF_{156}	16.1	X	322.97089	228.46554	202.97410	10.53042	0.2118179	0.18330916	3.0691157	21	11 15.1	19.2
290945 2005 WH_{156}	16.2	X	277.90727	140.18366	215.65488	12.14267	0.1883436	0.22877540	2.6476658	21	5 25.3	20.0
290946 2005 WE_{158}	16.3	X	250.28507	132.65477	278.09178	12.23634	0.1977690	0.22794836	2.6540661	21	7 3.3	20.4
290947 2005 WX_{159}	16.0	X	225.25190	1.96724	163.03170	1.12259	0.1151510	0.18027806	3.1034217	21	11 3.5	20.5
290948 2005 WD_{163}	17.2	X	159.73061	211.54991	224.40764	3.41582	0.1520648	0.28809661	2.2704431	21	5 9.0	20.4
290949 2005 WZ_{168}	15.6	X	158.57776	348.73755	243.05915	7.66234	0.0325967	0.18156917	3.0886923	21	11 16.9	20.1
290950 2005 WY_{169}	17.5	X	38.50227	68.97032	96.27086	2.99517	0.1301900	0.27320641	2.3522066	21	3 18.9	19.5
290951 2005 WV_{171}	17.2	X	5.19876	95.73099	84.72807	2.37063	0.1210247	0.27221744	2.3579002	21	2 5.2	19.4
290952 2005 WZ_{172}	15.9	X	95.13252	89.38797	239.11267	6.39272	0.0735436	0.19019083	2.9946289	21	—	—
290953 2005 WE_{173}	15.3	X	139.87619	98.68493	90.69662	9.94975	0.0827006	0.16788199	3.2543678	21	9 11.6	20.4
290954 2005 WO_{174}	15.0	X	268.15645	4.10490	97.38826	18.90244	0.1471296	0.17585537	3.1552393	21	10 11.8	19.7
290955 2005 WO_{178}	16.6	X	34.05910	327.20961	160.03226	2.31759	0.0260342	0.20604771	2.8389485	21	1 28.7	20.3
290956 2005 WS_{179}	17.6	X	287.41169	29.61004	0.34507	5.98651	0.1335660	0.29867598	2.2165074	21	8 6.6	19.8
290957 2005 WP_{180}	16.8	X	142.35253	274.88520	145.62904	6.34361	0.2656133	0.21548694	2.7554260	21	4 18.5	21.4
290958 2005 WC_{181}	15.4	X	357.61570	262.33594	71.27269	13.49363	0.1906740	0.17914564	3.1164863	21	9 19.7	19.0
290959 2005 WZ_{181}	16.0	X	22.28867	207.92885	214.01820	9.70772	0.0963408	0.19311591	2.9643127	21	—	—
290960 2005 WO_{185}	15.8	X	328.60851	185.12366	83.22754	12.52105	0.0730332	0.21946343	2.7220406	21	4 30.3	19.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
290961 2005 WK_{186}	17.6	X	305.96391	287.44284	113.20857	8.16197	0.2341245	0.29893876	2.2152083	21	9 14.9	19.1
290962 2005 WU_{190}	15.6	X	282.00948	158.64223	323.69655	7.79347	0.1350194	0.18460175	3.0547723	21	11 15.8	19.7
290963 2005 WE_{191}	15.9	X	35.10969	281.09960	100.91823	11.48601	0.1120729	0.19045352	2.9918746	21	—	—
290964 2005 WB_{193}	16.5	X	160.64894	243.46353	118.59718	5.46522	0.2143843	0.21179209	2.7873803	21	2 18.9	21.0
290965 2005 WQ_{197}	16.4	X	329.80023	166.42011	311.12812	2.20812	0.1845576	0.18999381	2.9966987	21	—	—
290966 2005 WS_{207}	17.5	X	138.70694	178.67989	311.86664	5.12043	0.2211039	0.28465539	2.2887048	21	7 5.5	21.0
290967 2005 XH	15.8	X	119.60343	312.46437	67.77240	3.08250	0.0777409	0.20276085	2.8695468	21	1 14.6	19.8
290968 2005 XS_{1}	17.0	X	318.52211	290.14993	69.07651	8.16103	0.1638159	0.29819469	2.2188917	21	8 13.5	18.9
290969 2005 XU_{6}	17.8	X	13.94899	141.61125	128.58610	0.72846	0.2110117	0.29115521	2.2545144	21	7 22.5	19.0
290970 2005 XE_{7}	16.8	X	29.18688	153.69559	282.12902	5.36495	0.1067183	0.25863710	2.4397323	21	—	—
290971 2005 XA_{10}	16.5	X	1.69057	304.31340	305.89902	3.79432	0.0083191	0.22153298	2.7050613	21	5 22.7	20.1
290972 2005 XD_{11}	17.1	X	245.93188	41.41768	111.43308	3.95573	0.0730132	0.30838188	2.1697522	21	12 12.9	19.2
290973 2005 XS_{16}	17.2	X	199.31064	175.89170	248.01776	3.32113	0.1632919	0.28550063	2.2841853	21	6 1.7	20.7
290974 2005 XT_{16}	17.3	X	325.89496	178.76030	104.32954	4.90373	0.1120382	0.28180867	2.3040920	21	5 1.9	19.7
290975 2005 XH_{17}	16.3	X	317.68937	309.70362	40.14064	9.99889	0.1638790	0.23472980	2.6026987	21	7 22.9	19.3
290976 2005 XM_{20}	15.6	X	224.93041	68.99146	25.40101	4.10562	0.0965770	0.16771454	3.2565336	21	8 11.7	20.5
290977 2005 XG_{25}	16.3	X	144.04356	354.88344	203.05388	0.72772	0.1036005	0.17233547	3.1980575	21	9 22.7	21.3
290978 2005 XH_{32}	17.1	X	68.21151	53.74310	79.21488	3.86421	0.1191829	0.27298964	2.3534516	21	3 25.9	19.5
290979 2005 XP_{37}	18.3	X	146.98092	64.54715	4.47038	1.23702	0.1589032	0.27623271	2.3349951	21	4 17.4	21.5
290980 2005 XH_{41}	16.8	X	92.59864	174.86457	35.20831	4.71625	0.1068264	0.22509180	2.6764734	21	8 19.0	20.5
290981 2005 XZ_{42}	16.6	X	256.22507	200.03731	207.96402	7.21346	0.1566607	0.23154594	2.6265032	21	7 10.1	20.5
290982 2005 XF_{45}	15.3	X	190.50815	236.23599	286.99708	7.14680	0.1003416	0.17381226	3.1799170	21	9 23.4	20.3
290983 2005 XU_{45}	16.3	X	57.19002	289.07587	39.80776	4.83914	0.1495755	0.18383155	3.0632987	21	12 2.7	20.5
290984 2005 XF_{46}	15.1	X	318.24508	119.73925	283.07725	14.38748	0.0393530	0.17605845	3.1528125	21	10 1.6	19.8
290985 2005 XH_{49}	16.9	X	96.46886	118.89651	317.03472	4.36455	0.0604083	0.26842340	2.3800668	21	2 7.7	19.5
290986 2005 XV_{49}	16.9	X	198.62260	170.76480	298.90807	6.99569	0.0955174	0.29108245	2.2548900	21	8 4.5	19.8
290987 2005 XP_{50}	16.5	X	236.35654	319.95367	53.75696	6.72753	0.0412987	0.21853545	2.7297411	21	5 16.9	20.1
290988 2005 XY_{50}	14.8	X	20.54575	272.71430	296.61026	14.85431	0.0783079	0.14932633	3.5186692	21	4 27.1	19.7
290989 2005 XO_{53}	16.8	X	200.88476	13.91334	301.66157	2.81085	0.0899030	0.20919782	2.8103772	21	1 24.8	21.2
290990 2005 XN_{60}	17.0	X	65.70108	250.74342	268.27955	4.24409	0.0566709	0.28153670	2.3055756	21	4 15.3	19.7
290991 2005 XZ_{62}	15.5	X	166.63488	23.99449	18.28774	1.83968	0.0757105	0.15016038	3.5056278	21	4 9.4	20.7
290992 2005 XY_{63}	16.9	X	333.41258	113.39538	33.14302	2.60255	0.1589263	0.25750178	2.4468981	21	—	—
290993 2005 XR_{64}	17.1	X	4.76101	192.38137	181.50937	3.95359	0.1784203	0.30941086	2.1649391	21	12 22.6	19.0
290994 2005 XB_{73}	17.5	X	238.60742	156.99115	301.47618	5.02219	0.1011942	0.29633462	2.2281672	21	9 5.9	20.2
290995 2005 XJ_{74}	16.6	X	332.73332	323.78502	348.36493	4.73153	0.1005554	0.22427684	2.6829532	21	6 29.7	19.7
290996 2005 XQ_{76}	16.9	X	3.03774	36.46792	313.94135	2.75309	0.0321395	0.24185431	2.5513311	21	10 11.3	20.2
290997 2005 XK_{82}	17.2	X	335.48321	232.79562	315.23308	1.99143	0.1230725	0.26693522	2.3889045	21	—	—
290998 2005 XV_{82}	16.1	X	334.26848	80.47312	303.73832	4.04016	0.1368011	0.17681249	3.1438423	21	10 2.8	19.9
290999 2005 XT_{83}	15.7	X	330.38301	12.92700	49.81728	5.86139	0.2896750	0.18102652	3.0948617	21	11 14.5	18.0
291000 2005 XC_{85}	16.9	X	127.68958	38.57054	32.78228	4.72982	0.0446173	0.21223306	2.7835179	21	3 23.8	20.8
291001 2005 XO_{85}	16.3	X	233.45143	141.12232	37.95554	3.87572	0.1230983	0.18162398	3.0880709	21	11 27.5	20.8
291002 2005 XG_{88}	16.4	X	332.59908	327.98688	140.34026	2.31320	0.1298481	0.18754600	3.0227172	21	—	—
291003 2005 XU_{90}	16.0	X	214.42808	110.24385	86.81123	4.46465	0.1273951	0.18004928	3.1060501	21	11 28.8	20.8
291004 2005 XG_{91}	18.1	X	86.16709	136.87499	34.79978	4.18959	0.1380414	0.27939677	2.3173331	21	6 21.2	20.9
291005 2005 XR_{92}	16.6	X	49.68854	321.06717	25.28856	6.42808	0.2374288	0.31122853	2.1565016	21	—	—
291006 2005 XY_{102}	18.0	X	295.51793	318.93661	303.78337	1.95174	0.1814326	0.26467130	2.4025079	21	2 9.4	21.3
291007 2005 XE_{112}	17.6	X	102.59410	199.06866	299.01241	4.70228	0.0726588	0.27481095	2.3430418	21	5 14.8	20.6
291008 2005 XK_{112}	17.1	X	83.41188	274.15149	10.92169	1.89228	0.0526639	0.22666002	2.6641138	21	11 3.8	20.6
291009 2005 XR_{112}	16.6	X	322.37227	264.21132	300.17517	1.01109	0.0095297	0.20617462	2.8377834	21	2 3.3	20.5
291010 2005 XN_{115}	16.9	X	252.36793	204.35193	291.79419	1.85498	0.1011022	0.24177474	2.5518908	21	11 9.9	20.2
291011 2005 YM_{1}	16.7	X	212.64556	35.54771	25.97507	7.30758	0.1805755	0.22553333	2.6729791	21	6 11.3	21.2
291012 2005 YA_{4}	16.6	X	99.75037	18.42129	351.98535	8.11947	0.0889444	0.25800405	2.4437214	21	—	—
291013 2005 YY_{6}	16.4	X	320.32273	133.67082	316.55593	0.29648	0.1538431	0.18226481	3.0808283	21	12 6.6	19.8
291014 2005 YJ_{8}	15.8	X	215.71607	257.94174	285.94046	12.79538	0.1078787	0.23921108	2.5700911	21	11 23.8	19.6
291015 2005 YH_{9}	16.7	X	117.13031	224.10444	263.71939	4.66091	0.0566423	0.21986045	2.7187627	21	5 22.2	20.5
291016 2005 YD_{11}	16.9	X	154.35973	159.63494	325.58898	1.66212	0.0412238	0.22293677	2.6936939	21	7 3.3	20.7
291017 2005 YQ_{11}	17.7	X	274.15189	47.75999	11.78879	1.74426	0.0814868	0.29683778	2.2256486	21	9 6.8	19.9
291018 2005 YL_{14}	17.7	X	74.24484	244.11768	105.78343	2.02221	0.1840793	0.31224887	2.1518011	21	—	—
291019 2005 YD_{15}	15.9	X	23.70814	143.71897	298.70268	8.59180	0.1390147	0.19060425	2.9902971	21	—	—
291020 2005 YY_{18}	16.5	X	109.89457	348.74325	88.42780	3.05705	0.0770119	0.21029378	2.8006044	21	3 14.1	20.3
291021 2005 YH_{23}	16.7	X	306.47123	167.72920	104.25241	7.17922	0.1118856	0.27279228	2.3545866	21	3 19.9	19.7
291022 2005 YR_{24}	17.0	X	330.87805	321.09897	247.18440	0.88816	0.2069545	0.26265906	2.4147627	21	1 9.1	19.9
291023 2005 YT_{25}	15.9	X	256.64519	38.19701	119.64050	6.06739	0.1715185	0.17870095	3.1216544	21	11 23.7	20.3
291024 2005 YG_{27}	16.6	X	330.41082	346.11887	77.23887	2.46386	0.1302186	0.17913221	3.1166421	21	11 19.5	20.3
291025 2005 YP_{27}	16.1	X	329.37139	2.01685	85.25633	3.01703	0.0551118	0.18170678	3.0871326	21	12 18.9	20.2
291026 2005 YQ_{28}	16.6	X	254.18735	99.88299	52.52746	0.64803	0.1268883	0.17858867	3.1229626	21	11 18.9	21.0
291027 2005 YM_{29}	17.9	X	103.35854	80.67397	81.13363	3.10861	0.1388555	0.27963762	2.3160023	21	6 30.7	20.9
291028 2005 YM_{30}	16.1	X	322.14239	21.74342	70.43870	3.12649	0.0689274	0.18481248	3.0524497	21	12 15.4	19.9
291029 2005 YX_{30}	17.7	X	329.51602	346.26591	98.54447	0.96649	0.0810606	0.30870709	2.1682282	21	—	—
291030 2005 YR_{32}	17.6	X	71.11752	75.19252	123.31569	6.02471	0.0977370	0.27952016	2.3166511	21	7 1.4	20.2
291031 2005 YN_{33}	17.1	X	69.39712	321.31240	276.18790	6.50965	0.1783423	0.28659306	2.2783771	21	9 4.8	20.0
291032 2005 YP_{34}	17.6	X	54.70482	351.74915	137.15067	3.71776	0.1872891	0.26592259	2.3949653	21	3 1.3	19.4
291033 2005 YG_{35}	17.8	X	182.61841	247.25206	235.13157	2.32018	0.0835360	0.29160274	2.2522070	21	8 3.8	21.0
291034 2005 YR_{36}	16.7	X	227.20676	59.30300	301.89887	4.92517	0.0488588	0.21161925	2.7888978	21	4 17.2	20.7
291035 2005 YE_{37}	17.5	X	38.62837	93.30160	304.45278	17.32614	0.1195576	0.37810997	1.8940465	21	—	—
291036 2005 YK_{39}	16.0	X	314.68663	163.20597	303.43641	10.35220	0.1821153	0.18371419	3.0646032	21	12 17.0	19.4
291037 2005 YA_{40}	17.8	X	107.60291	236.53736	101.41784	1.43395	0.1432071	0.31479240	2.1401944	21	—	—
291038 2005 YO_{40}	17.6	X	152.54467	276.58882	266.55262	1.52459	0.1295418	0.29143378	2.2530775	21	9 22.2	21.0
291039 2005 YU_{40}	15.8	X	40.25864	85.34190	288.10422	9.32542	0.0705342	0.18122317	3.0926224	21	12 25.1	20.0
291040 2005 YF_{42}	17.9	X	136.16572	93.82047	107.34268	7.07543	0.0271988	0.29372168	2.2413622	21	9 29.9	20.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291041 2005 YJ_{45}	17.7	X	147.68676	359.79264	122.13156	5.00956	0.1215970	0.28233640	2.3012200	21	6 25.7	20.8
291042 2005 YH_{46}	15.9	X	5.43858	2.45654	118.66534	10.62769	0.0091808	0.19359517	2.9594184	21	—	—
291043 2005 YB_{48}	17.3	X	69.99613	259.48501	242.34745	2.69889	0.1013350	0.27470631	2.3436367	21	4 4.8	19.8
291044 2005 YH_{49}	17.6	X	92.39144	259.15484	149.12612	1.72287	0.1714409	0.26187579	2.4195754	21	1 11.7	20.0
291045 2005 YU_{49}	15.9	X	230.48881	183.76398	294.64777	3.83945	0.0897487	0.16879119	3.2426708	21	9 13.6	20.7
291046 2005 YX_{50}	16.9	X	146.09290	321.12019	145.74248	3.74787	0.0450299	0.21662973	2.7457269	21	5 30.7	20.8
291047 2005 YK_{51}	16.9	X	358.37851	343.42958	280.32069	2.15455	0.0413247	0.21577767	2.7529503	21	6 5.8	20.2
291048 2005 YY_{52}	17.8	X	97.19928	66.90929	77.22644	3.09012	0.1551488	0.27596855	2.3364850	21	5 30.8	20.6
291049 2005 YC_{54}	16.5	X	21.16746	337.97292	281.73896	3.57738	0.0988980	0.21918399	2.7243537	21	7 8.7	19.5
291050 2005 YK_{54}	17.0	X	45.13592	268.41998	274.81608	7.00341	0.1113470	0.27326104	2.3518931	21	4 22.7	19.5
291051 2005 YD_{55}	16.4	X	46.29874	137.60288	123.54947	8.79052	0.1650528	0.22358346	2.6884973	21	9 3.2	19.7
291052 2005 YW_{57}	16.2	X	244.98078	90.38068	76.84963	2.87780	0.1083329	0.17929713	3.1147306	21	11 28.6	20.6
291053 2005 YC_{58}	16.1	X	342.65051	262.44490	133.52932	1.86934	0.1431363	0.17671425	3.1450073	21	11 4.9	19.6
291054 2005 YZ_{62}	15.3	X	24.90623	26.21339	303.78452	5.50921	0.1513783	0.17354916	3.1831300	21	10 18.0	19.3
291055 2005 YQ_{63}	17.8	X	92.83547	117.16224	332.65067	0.80965	0.1490516	0.26875054	2.3781349	21	3 7.2	20.1
291056 2005 YW_{64}	17.1	X	110.41768	338.42134	94.80671	4.74835	0.0958757	0.26943509	2.3741051	21	3 3.8	20.0
291057 2005 YO_{65}	17.3	X	294.46844	245.84997	343.66517	0.79779	0.1397279	0.26189650	2.4194478	21	1 2.9	20.8
291058 2005 YJ_{70}	17.7	X	144.46589	86.98137	340.65660	2.38679	0.1459825	0.27406988	2.3472635	21	4 11.1	21.0
291059 2005 YQ_{70}	16.2	X	134.75734	301.93385	32.28527	2.39143	0.0594461	0.19680109	2.9271909	21	—	—
291060 2005 YH_{77}	17.2	X	287.46818	138.47319	50.60595	1.66738	0.0506900	0.25528422	2.4610479	21	—	—
291061 2005 YZ_{79}	16.2	X	29.30526	250.50088	86.97654	2.56205	0.1714336	0.17498939	3.1656404	21	11 9.6	20.2
291062 2005 YK_{80}	16.5	X	174.32360	313.96328	108.92505	5.95017	0.0552450	0.21435131	2.7651496	21	5 9.2	20.5
291063 2005 YV_{86}	15.6	X	118.16675	38.15248	294.29870	4.58114	0.1317979	0.18903266	3.0068480	21	—	—
291064 2005 YW_{88}	16.2	X	237.75163	171.33801	216.22421	1.12835	0.0330438	0.15451212	3.4394924	21	6 9.3	21.1
291065 2005 YV_{89}	15.4	X	298.82413	312.54469	107.81780	28.04076	0.1948957	0.17361150	3.1823680	21	9 27.2	19.9
291066 2005 YY_{90}	16.0	X	183.24034	213.93990	131.43969	6.85027	0.0765272	0.20076741	2.8885102	21	2 12.7	20.4
291067 2005 YN_{92}	16.4	X	37.77154	94.65480	130.34296	4.27395	0.0477254	0.21611738	2.7500648	21	6 12.3	19.9
291068 2005 YS_{98}	17.4	X	259.42686	339.82525	80.16227	6.96104	0.1456554	0.29362613	2.2418484	21	8 6.6	20.1
291069 2005 YV_{103}	17.2	X	291.01937	352.86327	234.58154	0.54688	0.1390562	0.26162257	2.4211363	21	—	—
291070 2005 YV_{104}	16.8	X	222.02971	226.85063	286.76327	4.22810	0.0566597	0.23794831	2.5791759	21	10 29.6	20.4
291071 2005 YX_{104}	16.2	X	329.04329	278.68481	89.87451	2.06302	0.0776733	0.16940025	3.2348937	21	9 9.1	20.3
291072 2005 YD_{108}	15.8	X	129.64057	72.76507	271.52513	4.52683	0.0897670	0.19318801	2.9635751	21	—	—
291073 2005 YK_{113}	15.5	X	72.28241	30.08094	309.89283	10.46086	0.0815396	0.18201678	3.0836264	21	12 25.1	20.0
291074 2005 YD_{116}	17.3	X	294.76133	322.30765	81.97522	5.01362	0.1616095	0.29673593	2.2261579	21	9 7.7	19.3
291075 2005 YY_{116}	17.7	X	67.21529	243.92611	316.68826	6.34711	0.0355000	0.28009684	2.3134702	21	6 18.1	20.4
291076 2005 YF_{117}	17.5	X	143.99933	94.12918	348.51262	2.02136	0.0692998	0.21114584	2.7930649	21	4 27.8	21.4
291077 2005 YG_{120}	16.5	X	293.24650	52.84971	257.56634	3.72362	0.1048357	0.21567466	2.7538269	21	4 26.0	20.1
291078 2005 YM_{120}	15.6	X	245.24791	243.13872	276.93842	8.04081	0.0265030	0.17911735	3.1168144	21	11 30.9	20.1
291079 2005 YR_{120}	17.6	X	98.00689	355.19847	150.68055	2.34708	0.1479320	0.27663236	2.3327457	21	6 2.6	20.5
291080 2005 YV_{120}	15.9	X	76.58620	202.14469	168.85594	3.92483	0.1055997	0.18799168	3.0179378	21	—	—
291081 2005 YY_{120}	15.2	X	235.39187	61.76286	110.66344	15.71559	0.0500149	0.17842376	3.1248866	21	12 4.1	19.8
291082 2005 YB_{121}	16.8	X	79.51866	169.84345	311.52161	4.19833	0.0274845	0.20931705	2.8093099	21	3 20.5	20.6
291083 2005 YZ_{122}	16.9	X	129.87332	167.71602	333.18824	7.63296	0.0996369	0.28311733	2.2969863	21	6 30.2	20.1
291084 2005 YK_{123}	16.3	X	42.25080	359.01589	340.47420	4.15331	0.1225382	0.17813744	3.1282341	21	11 21.7	20.6
291085 2005 YP_{123}	16.4	X	157.18681	46.76931	63.99769	4.06277	0.0245177	0.21938115	2.7227212	21	6 16.2	20.0
291086 2005 YU_{127}	16.4	X	269.81173	171.54261	332.56260	4.05958	0.0822918	0.18133007	3.0914069	21	12 4.6	20.6
291087 2005 YT_{131}	15.9	X	241.12093	134.57821	121.12575	13.21535	0.1727798	0.19004166	2.9961956	21	—	—
291088 2005 YZ_{131}	16.3	X	74.64141	260.85514	124.64822	5.18424	0.1500393	0.18982255	2.9985009	21	—	—
291089 2005 YA_{133}	17.5	X	358.72997	187.61558	354.69826	2.82867	0.1202390	0.26578764	2.3957759	21	1 29.6	19.9
291090 2005 YL_{133}	17.2	X	342.60215	4.36043	47.15326	3.45376	0.0965871	0.24420933	2.5349022	21	12 8.8	20.0
291091 2005 YN_{133}	15.5	X	31.80452	320.90191	81.62456	10.50910	0.0283258	0.18683709	3.0303584	21	—	—
291092 2005 YS_{133}	16.9	X	346.67763	263.85318	33.15346	3.07563	0.0855675	0.22385411	2.6863298	21	7 2.7	20.0
291093 2005 YF_{134}	16.8	X	204.47102	68.57616	343.83960	5.89279	0.0181908	0.21770519	2.7366769	21	5 28.6	20.6
291094 2005 YW_{134}	17.0	X	358.18654	188.43247	67.08624	8.65126	0.0823988	0.27894315	2.3198447	21	5 19.5	19.2
291095 2005 YZ_{134}	17.0	X	325.08125	355.88817	312.76237	6.75517	0.1318031	0.28567079	2.2832782	21	6 2.7	19.4
291096 2005 YG_{135}	16.0	X	27.97596	118.74820	85.73454	12.75121	0.0978040	0.21161936	2.7888969	21	5 7.4	19.4
291097 2005 YW_{136}	17.4	X	28.54875	52.46413	313.12313	4.25311	0.1797672	0.30829677	2.1701516	21	—	—
291098 2005 YZ_{143}	16.9	X	340.37599	324.43273	324.41865	5.10729	0.2268012	0.27904574	2.3192761	21	5 16.9	18.6
291099 2005 YL_{148}	17.1	X	291.42992	221.45788	57.34661	4.20732	0.1593264	0.27089584	2.3655629	21	3 1.9	20.3
291100 2005 YX_{148}	16.4	X	150.78127	3.90005	56.80437	4.69110	0.0862598	0.20965355	2.8063031	21	4 11.7	20.5
291101 2005 YP_{153}	17.3	X	306.86837	65.43917	329.90984	5.17170	0.2242900	0.29909737	2.2144251	21	9 3.8	18.5
291102 2005 YK_{154}	15.9	X	327.96704	105.21051	305.21965	10.93560	0.1863945	0.17723550	3.1388381	21	10 20.4	19.6
291103 2005 YU_{160}	15.3	X	125.58628	358.98942	263.54668	10.25831	0.0410697	0.17647163	3.1478893	21	11 15.5	20.0
291104 2005 YO_{161}	15.5	X	306.39561	314.57708	124.85126	9.60002	0.2083582	0.17941267	3.1133933	21	10 26.7	19.2
291105 2005 YB_{165}	15.9	X	354.23484	61.43228	356.33317	4.02241	0.2469536	0.18408172	3.0605228	21	—	—
291106 2005 YL_{165}	16.6	X	90.17474	310.22496	29.07161	3.36737	0.1587683	0.19170994	2.9787883	21	—	—
291107 2005 YR_{166}	16.7	X	295.65954	80.52358	142.49091	5.34909	0.1859135	0.25916621	2.4364105	21	—	—
291108 2005 YT_{167}	15.8	X	236.33969	52.14921	126.91558	11.12215	0.1675127	0.17787364	3.1313262	21	11 27.7	20.6
291109 2005 YX_{172}	15.1	X	241.03572	217.30368	305.59418	15.86493	0.1636403	0.17963521	3.1108214	21	11 6.4	20.0
291110 2005 YW_{173}	16.0	X	196.81580	225.40885	288.49268	8.64227	0.1854286	0.22732529	2.6589135	21	9 16.9	20.5
291111 2005 YV_{174}	15.3	X	9.85198	348.47392	75.02957	17.64093	0.1063784	0.18545042	3.0454456	21	—	—
291112 2005 YB_{177}	17.4	X	327.80909	33.96885	292.92794	5.01890	0.1805713	0.28943396	2.2634438	21	7 2.3	19.1
291113 2005 YQ_{178}	17.6	X	200.36782	126.96765	319.38726	5.88612	0.0672205	0.28584461	2.2823524	21	7 7.6	20.6
291114 2005 YS_{179}	17.6	X	143.26284	22.40798	130.56387	6.24290	0.1850475	0.28433538	2.2904217	21	8 6.1	21.0
291115 2005 YU_{179}	17.3	X	172.75505	172.38437	103.20119	5.18345	0.1467392	0.31237005	2.1512446	21	—	—
291116 2005 YB_{182}	16.9	X	60.47631	40.11114	60.49196	5.93440	0.0853772	0.26317332	2.4116159	21	1 22.5	19.5
291117 2005 YJ_{186}	17.9	X	250.35081	130.51058	315.94716	17.77673	0.0910787	0.35719651	1.9672728	21	9 6.4	20.1
291118 2005 YS_{188}	16.4	X	218.86140	68.31744	312.89992	2.93747	0.1125053	0.21413288	2.7670296	21	4 30.8	20.7
291119 2005 YD_{194}	17.9	X	40.56467	190.07996	237.25730	1.81937	0.1767554	0.25695333	2.4503788	21	—	—
291120 2005 YP_{199}	17.2	X	125.55002	10.82819	116.70036	5.90970	0.0761567	0.27795107	2.3253615	21	6 2.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291121 2005 YB_{200}	16.3	X	272.04061	26.93529	92.88905	2.25956	0.1289140	0.17672999	3.1448206	21	11 1.9	20.6
291122 2005 YJ_{200}	16.3	X	319.37959	353.62336	91.35661	2.06079	0.2452937	0.18205962	3.0831427	21	11 22.3	19.0
291123 2005 YP_{200}	16.5	X	336.01861	57.75798	108.66899	3.22634	0.0512782	0.19551068	2.9400568	21	1 1.6	20.4
291124 2005 YW_{200}	17.2	X	332.88423	327.97426	300.58644	6.71446	0.0756857	0.27551140	2.3390688	21	4 21.9	20.0
291125 2005 YB_{201}	16.9	X	330.61403	102.33537	133.55237	1.93765	0.2424462	0.26532779	2.3985433	21	2 8.7	19.6
291126 2005 YF_{201}	16.0	X	187.53989	263.14025	297.36938	0.63274	0.1473208	0.17223041	3.1993579	21	11 4.5	21.1
291127 2005 YJ_{201}	16.7	X	230.01904	259.40359	117.28588	12.74726	0.2355941	0.21882494	2.7273330	21	5 5.3	21.6
291128 2005 YP_{201}	16.0	X	199.68509	220.86666	93.96864	3.15807	0.0787665	0.19881542	2.9073859	21	1 24.6	20.5
291129 2005 YY_{204}	16.5	X	351.81479	325.65070	108.35345	2.78027	0.0538265	0.18356905	3.0662183	21	—	—
291130 2005 YO_{207}	15.8	X	332.76849	353.90837	108.63601	5.23137	0.1102543	0.18389968	3.0625420	21	—	—
291131 2005 YR_{207}	17.5	X	60.29400	105.44416	50.63191	2.12403	0.1207463	0.27230776	2.3573788	21	4 14.1	19.8
291132 2005 YL_{208}	14.9	X	339.53817	338.45472	82.13945	16.55319	0.0552550	0.18011806	3.1052593	21	12 1.3	19.1
291133 2005 YD_{212}	15.5	X	24.41896	260.01982	175.49846	15.94397	0.2828139	0.19136097	2.9824086	21	—	—
291134 2005 YN_{214}	15.8	X	351.03904	20.84301	28.22728	13.60564	0.2846948	0.18204652	3.0832906	21	12 18.9	18.9
291135 2005 YS_{215}	16.2	X	22.59297	233.67277	113.62580	11.56648	0.0122449	0.17368883	3.1814233	21	10 28.7	20.8
291136 2005 YO_{218}	17.2	X	356.43120	117.93281	75.35221	5.35695	0.1023105	0.26624081	2.3930566	21	2 14.2	19.9
291137 2005 YC_{219}	17.0	X	22.02580	194.24431	307.18374	1.66527	0.1537485	0.26439922	2.4041558	21	1 7.8	19.0
291138 2005 YH_{223}	18.0	X	117.49346	79.80763	13.26487	1.85087	0.1518325	0.27412634	2.3469412	21	4 15.0	21.1
291139 2005 YF_{225}	16.5	X	52.53493	357.43390	77.80523	3.15956	0.0473937	0.20067404	2.8894062	21	—	—
291140 2005 YK_{229}	16.9	X	131.93675	207.33857	315.29990	5.05037	0.0701513	0.28060070	2.3106999	21	7 29.9	19.9
291141 2005 YH_{230}	18.0	X	69.67755	58.32876	53.46188	3.30232	0.1460001	0.26722976	2.3871489	21	3 1.4	20.2
291142 2005 YS_{231}	16.2	X	16.07185	279.49714	139.21247	8.70236	0.1001503	0.18587707	3.0407836	21	—	—
291143 2005 YR_{236}	16.7	X	65.44371	356.95844	132.84091	2.97477	0.0145120	0.20533195	2.8455422	21	3 14.8	20.6
291144 2005 YK_{237}	18.3	X	326.62845	352.84727	55.74533	1.86083	0.1558219	0.30237118	2.1984122	21	11 24.3	19.6
291145 2005 YW_{237}	16.3	X	250.34407	333.04140	168.88582	3.80714	0.0909319	0.17571724	3.1568926	21	11 7.3	20.8
291146 2005 YB_{246}	16.1	X	38.91523	227.45728	126.48846	28.20872	0.1103021	0.24098883	2.5574360	21	12 21.9	19.9
291147 2005 YY_{250}	16.9	X	89.73394	224.25752	174.34380	2.24267	0.0854270	0.19506520	2.9445313	21	—	—
291148 2005 YN_{256}	17.8	X	279.69693	142.23942	252.59209	5.94178	0.1155339	0.29144236	2.2530332	21	7 30.7	20.4
291149 2005 YZ_{256}	15.7	X	271.64653	291.14261	273.11615	8.66828	0.0486946	0.18877975	3.0095331	21	—	—
291150 2005 YE_{262}	16.5	X	162.46357	218.16846	36.00450	0.97220	0.1355719	0.18036033	3.1024780	21	12 15.4	21.4
291151 2005 YS_{265}	17.5	X	219.40287	123.48885	336.31626	1.94996	0.0555212	0.22791807	2.6543012	21	8 17.7	21.1
291152 2005 YX_{273}	15.1	X	179.92999	274.44640	316.90580	18.12550	0.1758883	0.17414513	3.1758634	21	11 30.4	20.7
291153 2005 YM_{284}	16.7	X	311.16794	82.27566	72.32678	1.91218	0.1737780	0.18842131	3.0133485	21	—	—
291154 2005 YU_{285}	16.7	X	289.04131	155.63921	48.06610	3.38037	0.1456184	0.25697924	2.4502141	21	—	—
291155 2005 YD_{286}	16.2	X	152.03129	206.11062	72.83290	2.59190	0.0734844	0.18303517	3.0721779	21	—	—
291156 2005 YS_{286}	16.0	X	356.21827	94.91522	320.53529	5.05239	0.1302845	0.18080766	3.0973587	21	12 22.5	19.7
291157 2005 YW_{290}	17.8	X	246.57809	357.88509	41.97691	2.43182	0.2353768	0.28897652	2.2658319	21	6 10.3	21.2
291158 2005 YM_{291}	16.8	X	116.48340	140.03435	267.00323	0.92084	0.0732015	0.20154032	2.8811205	21	2 11.5	20.8
291159 2005 YT_{291}	16.9	X	262.50721	21.03193	303.67935	3.40506	0.0689802	0.21124031	2.7922321	21	4 10.9	20.9
291160 2006 AE	16.6	X	244.57328	214.48063	252.75471	7.91945	0.0968327	0.23418256	2.6067518	21	9 18.6	20.4
291161 2006 AV	16.0	X	331.27112	282.41107	175.36289	4.95626	0.2086744	0.18524848	3.0476583	21	—	—
291162 2006 AY_{6}	15.0	X	148.02834	321.82779	318.90226	12.15284	0.0269135	0.18224298	3.0810744	21	—	—
291163 2006 AS_{11}	15.3	X	291.55368	67.47787	123.49250	12.07246	0.0419041	0.19256649	2.9699484	21	—	—
291164 2006 AE_{14}	16.7	X	112.40460	243.24488	148.73907	1.71138	0.0594662	0.19526484	2.9425241	21	1 18.5	20.6
291165 2006 AC_{15}	17.5	X	88.53051	325.39197	297.77959	16.49845	0.0523178	0.35823353	1.9634743	21	10 23.2	20.1
291166 2006 AA_{23}	16.3	X	211.22237	6.56662	295.04773	10.96212	0.0230068	0.19769850	2.9183260	21	1 19.9	20.4
291167 2006 AJ_{24}	17.1	X	359.31044	193.83251	73.69888	2.34680	0.2060291	0.28123886	2.3072031	21	6 3.4	18.5
291168 2006 AM_{24}	17.8	X	324.52371	64.86394	356.07604	1.06905	0.1422012	0.30570904	2.1823808	21	12 10.3	19.4
291169 2006 AP_{25}	16.4	X	236.80814	214.28997	85.61013	3.19949	0.0412253	0.20307453	2.8665911	21	2 16.1	20.4
291170 2006 AU_{25}	17.8	X	157.71564	136.84725	90.35668	2.40845	0.1145543	0.30138631	2.2031989	21	11 26.9	20.8
291171 2006 AS_{28}	17.0	X	230.23111	10.02660	354.35579	4.25037	0.0882108	0.21445835	2.7642294	21	4 22.8	21.2
291172 2006 AK_{33}	15.9	X	334.91885	61.06734	15.21239	4.84743	0.1090896	0.18289089	3.0737934	21	12 13.6	19.6
291173 2006 AM_{33}	15.5	X	251.28797	237.09405	324.66268	17.86350	0.2292514	0.18281040	3.0746956	21	—	—
291174 2006 AV_{33}	16.1	X	285.83734	23.04700	41.28352	2.52503	0.0579004	0.17018371	3.2249579	21	9 21.4	20.5
291175 2006 AA_{37}	17.5	X	318.84557	246.31405	11.32585	1.46374	0.1459008	0.26883459	2.3776392	21	3 9.0	20.1
291176 2006 AY_{39}	16.4	X	6.81878	12.96018	20.20483	0.49909	0.1757592	0.17930271	3.1146660	21	12 15.6	20.0
291177 2006 AB_{40}	17.8	X	81.90141	141.01939	315.63314	1.79387	0.0522858	0.26485893	2.4013730	21	2 14.4	20.7
291178 2006 AD_{43}	16.1	X	350.50184	20.99857	285.69172	6.58790	0.0410160	0.22140795	2.7060797	21	7 23.2	19.5
291179 2006 AJ_{44}	16.5	X	185.75257	69.63147	340.94664	5.30141	0.0595876	0.21190856	2.7863589	21	5 2.6	20.7
291180 2006 AS_{44}	17.7	X	348.02607	143.49524	100.08146	2.36936	0.1410071	0.27113704	2.3641597	21	4 7.5	19.8
291181 2006 AL_{45}	17.5	X	346.04391	256.80751	149.11062	3.40186	0.1312321	0.30653569	2.1784555	21	12 28.9	19.4
291182 2006 AW_{45}	16.1	X	167.38819	139.41262	135.99250	4.20877	0.0615007	0.18458283	3.0549810	21	—	—
291183 2006 AP_{49}	16.5	X	228.96641	319.18957	93.90449	6.10751	0.0427601	0.22269036	2.6956806	21	6 29.0	20.2
291184 2006 AB_{50}	17.5	X	14.76336	48.00660	97.24656	2.23403	0.1318943	0.26208704	2.4182750	21	1 2.9	19.9
291185 2006 AC_{53}	16.8	X	122.87926	232.70219	164.50021	2.37246	0.0710636	0.19974023	2.8984046	21	2 7.2	20.7
291186 2006 AH_{53}	16.4	X	38.04927	238.36492	160.70477	3.10657	0.0764443	0.18523469	3.0478096	21	—	—
291187 2006 AG_{54}	17.4	X	325.54697	119.89244	138.09134	7.42201	0.0891052	0.27181300	2.3602386	21	3 31.1	20.1
291188 2006 AL_{54}	16.8	X	34.68455	15.59890	264.94610	4.59671	0.1774946	0.28768370	2.2726150	21	9 16.0	19.1
291189 2006 AR_{54}	15.2	X	169.42094	136.79067	132.74774	11.83885	0.0447566	0.18310389	3.0714092	21	—	—
291190 2006 AW_{57}	18.0	X	196.41407	304.23457	159.29850	2.45631	0.1733672	0.28678773	2.2773459	21	7 21.2	21.5
291191 2006 AF_{58}	17.6	X	292.50106	242.25608	214.39795	2.01785	0.1210442	0.23894321	2.5720116	21	11 14.1	20.3
291192 2006 AH_{62}	16.6	X	332.89787	231.24095	163.23054	4.16848	0.2140170	0.17482209	3.1676597	21	10 13.9	19.7
291193 2006 AP_{62}	15.8	X	149.87160	199.69663	73.39112	4.25605	0.1362511	0.18079274	3.0975290	21	12 25.9	20.8
291194 2006 AQ_{62}	17.6	X	102.04688	114.90075	20.96461	2.29520	0.1561107	0.27565025	2.3382833	21	5 25.2	20.6
291195 2006 AR_{63}	14.7	X	24.59128	124.62315	304.28854	8.06811	0.2624966	0.12429927	3.9764025	21	—	—
291196 2006 AQ_{64}	16.8	X	32.02473	28.78837	74.70957	2.90891	0.0590506	0.19528257	2.9423459	21	—	—
291197 2006 AU_{64}	16.6	X	196.51603	148.50325	52.50541	1.84317	0.1443040	0.17492494	3.1664179	21	11 13.9	21.5
291198 2006 AK_{69}	17.5	X	32.43191	227.33357	262.20629	2.04992	0.1470068	0.26320211	2.4114400	21	1 11.4	19.6
291199 2006 AF_{71}	17.0	X	163.57520	235.78902	136.06654	8.54258	0.1131052	0.26564174	2.3966530	21	2 17.7	20.3
291200 2006 AO_{73}	17.6	X	82.64587	60.99072	138.41393	6.42315	0.1119152	0.28065693	2.3103913	21	7 22.2	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291201 2006 AN_{74}	14.8	X	190.50201	94.66989	99.77379	20.17914	0.0529123	0.17355343	3.1830777	21	11 13.4	19.8
291202 2006 AD_{79}	15.8	X	136.55302	205.23795	131.32291	11.68849	0.1100214	0.18996136	2.9970399	21	—	—
291203 2006 AC_{80}	16.1	X	37.61042	30.28159	324.81764	4.78558	0.1484383	0.17676518	3.1444033	21	12 8.7	20.4
291204 2006 AE_{80}	17.9	X	168.27686	130.85906	287.00313	2.16660	0.1825291	0.27603575	2.3361057	21	4 25.2	21.7
291205 2006 AO_{80}	17.9	X	42.06592	213.09940	267.65285	1.49816	0.1699158	0.26188493	2.4195191	21	1 18.0	19.7
291206 2006 AQ_{80}	17.5	X	222.30458	163.77832	292.93276	6.98578	0.0739565	0.28983265	2.2613677	21	8 16.2	20.4
291207 2006 AB_{82}	16.7	X	274.80527	125.59724	235.27080	2.97737	0.1087212	0.22178621	2.7030019	21	6 8.4	20.3
291208 2006 AW_{82}	15.9	X	225.55469	349.41097	266.63967	8.78574	0.0885359	0.25279797	2.4771577	21	—	—
291209 2006 AG_{84}	15.2	X	291.61210	85.70938	356.20754	14.28188	0.0214250	0.17297517	3.1901679	21	10 19.6	19.8
291210 2006 AB_{85}	14.8	X	197.65227	128.62985	97.70764	28.32889	0.1353782	0.17542922	3.1603469	21	12 16.9	19.8
291211 2006 AZ_{89}	17.4	X	223.13809	260.67639	147.70891	3.38786	0.0792616	0.28060364	2.3106838	21	6 11.1	20.5
291212 2006 AB_{93}	15.5	X	76.96702	193.60533	104.04178	7.25467	0.1550387	0.17211665	3.2007675	21	11 18.8	20.3
291213 2006 AR_{100}	17.7	X	349.20874	299.20644	259.69497	0.61292	0.1150998	0.26318350	2.4115537	21	2 6.8	20.2
291214 2006 AS_{100}	17.8	X	137.93890	155.36423	292.98394	2.04147	0.1488966	0.27395861	2.3478990	21	5 1.9	21.1
291215 2006 AY_{101}	17.3	X	28.58966	70.29304	286.66600	2.77869	0.1754176	0.23988376	2.5652842	21	12 17.1	20.4
291216 2006 AA_{102}	15.8	X	59.71814	228.43019	146.07498	5.59528	0.1528564	0.18161420	3.0881818	21	—	—
291217 2006 AD_{102}	17.2	X	345.29426	243.67122	14.24403	2.61829	0.0914620	0.26777995	2.3838779	21	4 29.0	19.6
291218 2006 AM_{102}	17.6	X	5.23702	196.51636	42.79872	1.88307	0.1375330	0.26729321	2.3867710	21	5 5.3	19.8
291219 2006 AR_{104}	17.4	X	331.24128	175.83178	119.92284	2.98387	0.1730433	0.28050240	2.3112397	21	5 20.5	19.4
291220 2006 BD	16.7	X	325.85142	314.96068	148.03805	5.06269	0.2658670	0.18498947	3.0505024	21	—	—
291221 2006 BK_{1}	17.3	X	272.78515	57.70168	312.12277	4.13610	0.1373332	0.28496546	2.2870442	21	6 11.4	20.2
291222 2006 BL_{5}	15.8	X	206.80713	42.61530	127.79833	6.03951	0.1256625	0.17328690	3.1863409	21	10 22.6	20.8
291223 2006 BM_{5}	16.8	X	17.73610	346.69266	134.18430	10.12014	0.1081665	0.25853767	2.4403577	21	—	—
291224 2006 BX_{6}	17.2	X	63.73620	76.96524	128.44213	3.25959	0.1674329	0.27672100	2.3322475	21	7 12.2	19.7
291225 2006 BJ_{8}	16.0	X	151.68107	247.76199	330.72825	12.60031	0.0508088	0.22971312	2.6404555	21	10 24.8	20.0
291226 2006 BZ_{10}	17.2	X	303.64084	315.20639	312.73158	7.25671	0.1197304	0.26753985	2.3853040	21	3 3.9	20.4
291227 2006 BW_{16}	16.2	X	350.30096	160.32086	132.72487	7.00445	0.1194755	0.21852071	2.7298638	21	7 1.5	19.2
291228 2006 BU_{19}	17.0	X	77.69163	292.15066	142.14324	5.15926	0.1661666	0.26120504	2.4237157	21	1 21.9	19.3
291229 2006 BH_{20}	17.5	X	209.61736	352.32698	114.64256	3.49002	0.0966315	0.28977097	2.2616885	21	8 15.2	20.4
291230 2006 BR_{22}	17.5	X	99.98688	125.87706	119.85365	2.66262	0.1316728	0.29078109	2.2564477	21	10 22.0	20.7
291231 2006 BW_{23}	15.5	X	334.38909	209.25899	290.68536	7.86517	0.0846147	0.18903606	3.0068120	21	—	—
291232 2006 BA_{25}	16.9	X	163.21529	336.17672	135.89735	5.60727	0.0763154	0.21861946	2.7290417	21	6 27.9	20.9
291233 2006 BO_{29}	17.0	X	51.14042	104.66840	330.30929	6.98403	0.0534975	0.25531493	2.4608506	21	—	—
291234 2006 BK_{30}	15.9	X	8.56989	104.03415	333.99773	5.91464	0.0734237	0.18445361	3.0564076	21	—	—
291235 2006 BP_{30}	17.7	X	285.11780	324.20340	89.23279	3.02850	0.1364376	0.29411871	2.2393447	21	9 7.1	19.8
291236 2006 BG_{31}	15.5	X	283.52957	181.80078	319.02165	8.67466	0.0401792	0.17916682	3.1162407	21	12 24.1	19.8
291237 2006 BG_{33}	16.6	X	306.99300	341.52718	355.23845	6.87627	0.2006513	0.27839102	2.3229110	21	6 1.5	19.3
291238 2006 BU_{34}	16.6	X	225.61858	117.77277	34.83060	1.78456	0.0505339	0.17249517	3.1960833	21	10 26.2	21.1
291239 2006 BY_{36}	15.3	X	44.65773	36.87670	344.46299	8.90070	0.1175110	0.18042961	3.1016837	21	—	—
291240 2006 BE_{39}	15.5	X	252.12744	223.15864	327.30956	4.85618	0.1038525	0.18160360	3.0883019	21	—	—
291241 2006 BQ_{41}	17.3	X	303.25879	218.95778	152.22068	7.62799	0.1099949	0.28514486	2.2860849	21	8 4.9	19.5
291242 2006 BW_{42}	15.3	X	177.59089	155.52127	111.78622	11.42167	0.0686366	0.18177053	3.0864108	21	—	—
291243 2006 BV_{43}	17.4	X	27.77964	124.68935	26.51098	2.53682	0.1510812	0.26173375	2.4204506	21	2 5.3	19.4
291244 2006 BZ_{44}	16.2	X	304.75440	190.85476	154.34185	10.96529	0.0765786	0.21615520	2.7497439	21	7 3.8	19.9
291245 2006 BG_{45}	17.7	X	93.60255	354.36200	148.86497	1.74944	0.1156799	0.27153607	2.3618431	21	5 18.7	20.4
291246 2006 BM_{51}	16.8	X	229.39750	357.52686	18.65859	1.23615	0.0884598	0.21275840	2.7789341	21	5 8.1	20.8
291247 2006 BE_{52}	16.3	X	284.90806	359.18356	99.76037	2.39929	0.1143922	0.17405817	3.1769212	21	10 26.2	20.4
291248 2006 BT_{52}	16.5	X	152.40627	113.77666	117.23577	3.41284	0.0907777	0.17014199	3.2254851	21	11 9.6	21.5
291249 2006 BJ_{53}	16.4	X	142.18463	298.84803	334.47478	4.04800	0.1313610	0.23727854	2.5840272	21	12 28.6	20.5
291250 2006 BB_{54}	16.1	X	295.30572	29.61694	146.11742	4.84925	0.1817712	0.18278287	3.0750043	21	—	—
291251 2006 BM_{54}	13.7	X	37.71347	261.47916	342.07250	10.72595	0.0973003	0.08264299	5.2199383	21	7 13.9	20.3
291252 2006 BP_{54}	16.8	X	325.74070	274.06018	334.51039	6.31636	0.3635533	0.25973151	2.4328740	21	2 2.8	20.1
291253 2006 BT_{54}	16.0	X	23.61700	248.15253	151.75014	13.00606	0.1317081	0.17793451	3.1306121	21	—	—
291254 2006 BU_{54}	16.8	X	64.59569	107.55935	130.50794	4.89676	0.1356847	0.28041940	2.3116958	21	8 27.2	19.4
291255 2006 BZ_{55}	12.9	X	75.39110	27.85954	155.50737	20.82243	0.0442473	0.08168225	5.2607895	21	6 15.3	20.0
291256 2006 BR_{56}	17.8	X	85.17075	106.13311	139.70859	2.68390	0.1116158	0.28884479	2.2665207	21	10 2.2	20.8
291257 2006 BK_{57}	17.4	X	40.92257	95.86310	4.87048	2.35816	0.1682296	0.25912279	2.4366827	21	—	—
291258 2006 BM_{60}	15.4	X	277.39011	127.10885	326.94805	16.42902	0.1600634	0.17020927	3.2246351	21	9 24.6	20.0
291259 2006 BV_{69}	17.0	X	38.24396	169.69744	55.58188	4.51633	0.1558171	0.27512240	2.3412731	21	6 24.3	19.1
291260 2006 BE_{73}	13.8	X	9.71797	269.52176	345.65344	8.34226	0.0876190	0.08473720	5.1335757	21	6 15.8	20.2
291261 2006 BW_{73}	16.3	X	70.92218	336.02667	25.00630	4.44145	0.0759443	0.18126533	3.0921428	21	—	—
291262 2006 BS_{75}	16.9	X	291.28227	38.69009	356.38759	4.17012	0.1590754	0.22861779	2.6488826	21	8 11.3	20.1
291263 2006 BC_{76}	17.2	X	12.97680	263.77590	333.46424	8.27082	0.1655378	0.27265373	2.3553842	21	5 14.3	19.3
291264 2006 BB_{81}	16.3	X	244.56418	271.79018	66.52903	3.05936	0.0713543	0.20350902	2.8625095	21	4 10.8	20.4
291265 2006 BB_{82}	17.6	X	59.39582	225.92380	99.33983	3.31229	0.0709641	0.29668244	2.2264254	21	12 11.9	20.4
291266 2006 BT_{82}	14.6	X	4.74107	252.52143	105.99593	27.11338	0.2153408	0.17826505	3.1267410	21	11 14.0	18.6
291267 2006 BA_{85}	16.5	X	195.90380	165.49087	115.70997	5.77011	0.1088749	0.25116114	2.4879086	21	—	—
291268 2006 BJ_{87}	15.8	X	166.31886	186.11822	117.39332	10.46806	0.1742857	0.18502167	3.0501485	21	—	—
291269 2006 BB_{88}	17.1	X	164.37912	104.37099	121.57692	5.52401	0.1724090	0.23331976	2.6131742	21	11 21.8	21.5
291270 2006 BQ_{89}	16.2	X	11.68147	167.62825	120.04513	6.20719	0.0819401	0.21896146	2.7261993	21	7 31.9	19.4
291271 2006 BR_{90}	16.9	X	114.56455	57.97863	134.07322	5.14663	0.0910127	0.28188433	2.3036797	21	8 21.1	19.9
291272 2006 BM_{91}	17.8	X	176.65328	204.52214	276.25116	1.15022	0.1494777	0.28362799	2.2942284	21	7 25.5	21.0
291273 2006 BE_{92}	17.2	X	75.66223	220.74789	321.12253	4.42303	0.1024005	0.27718083	2.3296674	21	6 14.2	19.9
291274 2006 BA_{97}	17.2	X	321.87426	313.84310	145.14139	4.67181	0.2438949	0.24262935	2.5458950	21	—	—
291275 2006 BF_{97}	17.2	X	237.87305	105.34521	135.34408	3.75379	0.1364195	0.24676792	2.5173499	21	—	—
291276 2006 BE_{98}	13.1	X	330.42291	138.99300	150.99047	31.30574	0.0606380	0.08204222	5.2453901	21	6 10.3	20.2
291277 2006 BJ_{100}	17.4	X	313.41960	86.54187	341.91953	18.59052	0.1185204	0.36464283	1.9403985	21	12 19.1	19.3
291278 2006 BL_{102}	17.6	X	8.27110	74.33812	185.09712	1.96143	0.1712118	0.27482753	2.3429475	21	6 14.4	19.4
291279 2006 BQ_{113}	17.5	X	93.79411	179.57179	88.96098	2.29036	0.2015162	0.29236160	2.2483081	21	11 19.2	20.9
291280 2006 BG_{115}	17.8	X	69.43691	201.17249	235.39637	1.67746	0.1722395	0.25910237	2.4368107	21	1 10.6	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291281 2006 BQ_{117}	17.9	X	283.00054	335.27253	33.71121	2.11990	0.1103496	0.28622733	2.2803175	21	6 29.8	20.5
291282 2006 BU_{118}	17.5	X	13.34705	223.90259	187.52696	2.04803	0.1048901	0.24297303	2.5434937	21	—	—
291283 2006 BA_{119}	17.3	X	326.22236	282.14106	342.62940	2.48895	0.1706825	0.27159312	2.3615123	21	3 24.7	20.0
291284 2006 BO_{120}	17.6	X	53.36864	20.67445	184.66840	3.44551	0.1316324	0.27370705	2.3493374	21	6 18.0	19.9
291285 2006 BQ_{122}	17.3	X	221.19784	14.04307	204.02448	0.40396	0.0798549	0.24171471	2.5523133	21	—	—
291286 2006 BU_{125}	16.4	X	244.50581	315.08811	341.19340	10.16438	0.0930800	0.19479501	2.9472535	21	2 17.9	20.8
291287 2006 BP_{126}	16.4	X	280.13391	20.51145	331.91655	5.79575	0.0316472	0.21312892	2.7757124	21	6 15.9	20.2
291288 2006 BA_{127}	17.3	X	232.67959	299.43774	322.99480	6.06627	0.1214514	0.25042504	2.4927815	21	—	—
291289 2006 BK_{127}	17.0	X	248.09034	357.75611	323.36746	5.85439	0.0938627	0.26556774	2.3970982	21	3 11.9	20.4
291290 2006 BW_{129}	18.3	X	167.71742	81.17789	165.94140	4.67972	0.1288751	0.29994641	2.2102442	21	12 31.5	21.6
291291 2006 BH_{130}	15.5	X	192.07417	68.90332	158.79308	5.69681	0.1222716	0.17249720	3.1960582	21	12 12.0	20.5
291292 2006 BO_{130}	17.5	X	90.79586	182.66737	311.29461	2.48362	0.1436187	0.26940714	2.3742693	21	5 4.3	20.4
291293 2006 BT_{130}	16.8	X	204.55981	154.13667	159.64175	1.20558	0.1690355	0.25444211	2.4664750	21	1 21.2	20.7
291294 2006 BZ_{132}	17.4	X	35.59851	22.89947	208.25988	1.71530	0.1711167	0.27262777	2.3555337	21	6 30.6	19.4
291295 2006 BF_{135}	17.8	X	264.59157	267.80782	115.23775	3.60241	0.0419102	0.28349236	2.2949601	21	7 4.9	20.6
291296 2006 BA_{137}	17.1	X	44.84341	177.67242	330.30520	4.80783	0.0903353	0.26516951	2.3994976	21	3 2.4	19.5
291297 2006 BS_{138}	12.9	X	298.93209	350.29537	332.87559	18.33098	0.1069035	0.08237536	5.2312381	21	5 24.9	19.9
291298 2006 BE_{139}	16.5	X	270.95104	29.79895	313.09516	3.46986	0.0822307	0.20906720	2.8115477	21	5 13.8	20.5
291299 2006 BV_{140}	15.0	X	304.05207	303.60662	155.57793	27.43361	0.1751686	0.17751268	3.1355698	21	11 23.1	19.3
291300 2006 BZ_{141}	17.0	X	251.43680	14.85319	345.10316	4.79088	0.0765503	0.21456361	2.7633253	21	5 12.1	21.0
291301 2006 BC_{142}	13.0	X	50.81085	256.99676	323.97963	18.08921	0.0266980	0.08434528	5.1494659	21	6 27.3	19.9
291302 2006 BE_{142}	15.7	X	323.08161	301.66821	170.37254	7.22826	0.0866869	0.18023193	3.1039513	21	—	—
291303 2006 BF_{145}	17.5	X	121.22217	305.45064	197.54177	4.19586	0.1707732	0.27785070	2.3259215	21	6 29.4	20.8
291304 2006 BF_{147}	16.7	X	347.87059	57.55128	73.76493	0.88414	0.1515351	0.18786860	3.0192558	21	—	—
291305 2006 BS_{149}	16.7	X	35.18372	71.69062	45.51030	6.83293	0.1049951	0.26056493	2.4276835	21	1 2.3	19.3
291306 2006 BT_{151}	16.9	X	157.68397	356.52800	46.98816	2.45364	0.0720709	0.20419484	2.8560965	21	3 27.6	21.0
291307 2006 BE_{152}	16.7	X	271.16435	202.95377	74.44174	3.40280	0.2052287	0.26074820	2.4265459	21	2 3.0	20.6
291308 2006 BS_{153}	16.3	X	67.96879	28.07115	358.93105	2.91911	0.0799294	0.18487406	3.0517718	21	—	—
291309 2006 BF_{154}	17.1	X	153.42651	193.88802	16.02054	2.07179	0.1572739	0.22759782	2.6567905	21	10 21.9	21.5
291310 2006 BO_{156}	16.4	X	41.18257	334.22503	355.99411	5.22401	0.1472835	0.22965772	2.6408801	21	11 21.5	19.9
291311 2006 BV_{156}	18.0	X	67.89242	78.00088	33.02475	1.84017	0.1436087	0.26213503	2.4179798	21	2 24.8	20.4
291312 2006 BE_{158}	17.3	X	216.99533	235.56346	144.67738	6.73691	0.1421099	0.27244351	2.3565957	21	4 26.4	20.9
291313 2006 BV_{158}	16.4	X	32.97246	333.32254	115.21829	3.91328	0.0603695	0.18790459	3.0188703	21	—	—
291314 2006 BC_{163}	16.3	X	109.97840	226.98361	137.39386	2.21042	0.0926385	0.18846400	3.0128935	21	—	—
291315 2006 BA_{165}	17.2	X	150.15870	221.37874	156.36770	6.05765	0.1112654	0.26002272	2.4310572	21	2 9.6	20.5
291316 2006 BE_{167}	13.3	X	346.53488	132.26866	149.33884	25.43095	0.0813769	0.08323459	5.1951746	21	6 18.3	20.1
291317 2006 BT_{168}	17.7	X	157.03972	221.53820	349.95479	2.30522	0.1023272	0.29262692	2.2469489	21	11 3.8	20.7
291318 2006 BQ_{169}	17.5	X	0.43865	318.29413	332.57764	1.73457	0.2090196	0.27698050	2.3307906	21	7 21.9	18.8
291319 2006 BV_{170}	17.1	X	334.22779	173.79979	130.20345	7.43142	0.1295770	0.28129372	2.3069031	21	6 15.5	19.2
291320 2006 BT_{171}	17.7	X	151.37226	128.37429	260.17092	0.40185	0.1891277	0.26804073	2.3823315	21	3 4.4	21.3
291321 2006 BB_{176}	17.3	X	109.06281	68.54265	82.74254	4.04597	0.1182997	0.27692116	2.3311235	21	6 20.1	20.3
291322 2006 BM_{182}	16.3	X	317.15427	220.46037	17.52772	1.95953	0.0470200	0.19922960	2.9033550	21	3 7.3	20.0
291323 2006 BQ_{183}	17.1	X	28.01645	158.40219	44.52931	2.91393	0.1580952	0.27048147	2.3679782	21	4 26.0	18.7
291324 2006 BL_{186}	16.2	X	178.76732	267.07329	317.39473	10.75913	0.1365732	0.23372739	2.6101350	21	12 1.8	20.5
291325 de Tyard	16.9	X	200.90504	63.13722	143.14497	5.25410	0.1371486	0.23595445	2.5936852	21	12 4.2	20.8
291326 2006 BR_{191}	17.6	X	23.30064	146.78628	41.49853	1.59419	0.1307964	0.26772329	2.3842143	21	3 23.7	19.7
291327 2006 BQ_{194}	13.5	X	347.15469	346.18287	294.67906	5.56897	0.1131700	0.08400110	5.1635224	21	6 13.5	19.9
291328 2006 BZ_{195}	16.6	X	50.90772	344.16828	296.49190	4.00823	0.1567932	0.22206910	2.7007059	21	9 30.3	20.2
291329 2006 BW_{197}	17.3	X	113.41042	168.27135	240.91724	2.65134	0.1596285	0.26200110	2.4188038	21	2 11.1	20.3
291330 2006 BW_{199}	16.2	X	320.42799	10.61553	130.36870	2.63144	0.1143217	0.18243219	3.0789436	21	—	—
291331 2006 BX_{203}	17.9	X	121.30879	292.05132	252.20079	2.13027	0.0908826	0.28530306	2.2852397	21	8 17.1	20.9
291332 2006 BA_{205}	17.2	X	325.84090	164.15937	124.73463	3.15901	0.1934297	0.27230504	2.3573945	21	4 27.2	19.5
291333 2006 BL_{205}	17.1	X	257.75053	182.64192	124.32310	3.44489	0.1952607	0.26433067	2.4045714	21	2 27.2	20.8
291334 2006 BG_{214}	16.7	X	101.27004	272.37152	285.02690	6.82601	0.0970182	0.28111646	2.3078728	21	8 9.9	19.7
291335 2006 BQ_{214}	17.4	X	154.86471	161.94186	304.58778	11.81176	0.1911058	0.27757408	2.3274665	21	6 17.1	21.2
291336 2006 BE_{215}	15.6	X	282.13190	6.14069	127.74983	10.36893	0.1003708	0.17849502	3.1240548	21	12 7.9	19.8
291337 2006 BS_{216}	15.4	X	282.00571	89.07595	343.59013	8.06716	0.0624721	0.16825126	3.2496045	21	9 23.4	19.8
291338 2006 BC_{217}	15.7	X	34.13843	333.80421	78.94254	7.32854	0.0815751	0.18669964	3.0318454	21	—	—
291339 2006 BU_{217}	16.1	X	158.04302	305.17891	266.17320	10.71792	0.2381231	0.22877837	2.6476429	21	10 24.4	20.9
291340 2006 BR_{218}	16.7	X	305.51291	196.16714	95.25075	3.78797	0.1662875	0.27281280	2.3544685	21	4 4.2	19.6
291341 2006 BQ_{219}	15.4	X	350.51625	52.79927	105.94636	9.72846	0.1033943	0.18977288	2.9990241	21	1 6.7	19.0
291342 2006 BE_{221}	17.4	X	292.27613	161.14711	111.16836	1.94221	0.1868968	0.26459591	2.4029642	21	2 18.3	20.7
291343 2006 BH_{223}	17.6	X	295.69953	108.89581	311.07094	2.43493	0.2210662	0.23373700	2.6100635	21	9 11.2	20.5
291344 2006 BO_{223}	15.6	X	44.35211	110.89457	314.31394	1.34215	0.2620765	0.12617753	3.9368424	21	1 2.2	19.8
291345 2006 BW_{228}	17.9	X	99.67787	16.59749	63.04779	2.39245	0.1447971	0.26630299	2.3926840	21	3 4.6	20.6
291346 2006 BH_{230}	15.4	X	223.84572	108.17229	117.89594	14.38069	0.1643912	0.18052914	3.1005435	21	—	—
291347 2006 BP_{238}	17.0	X	261.78424	347.21963	355.20798	4.07348	0.0833435	0.21192935	2.7861767	21	5 1.4	21.0
291348 2006 BH_{242}	13.4	X	328.86036	280.17644	12.32990	4.56219	0.0626049	0.08416368	5.1568705	21	6 4.7	20.1
291349 2006 BA_{248}	16.3	X	111.34308	325.10373	119.56473	3.15241	0.0408647	0.20118878	2.8844756	21	3 21.3	20.2
291350 2006 BV_{248}	15.9	X	231.85471	121.90188	63.40847	2.14313	0.1063285	0.17470409	3.1690858	21	12 4.4	20.4
291351 2006 BH_{249}	16.4	X	348.49322	20.31149	39.56145	2.19675	0.0609444	0.17553274	3.1591043	21	12 10.3	20.6
291352 2006 BP_{249}	15.1	X	341.67612	265.08119	140.11249	12.49505	0.0336931	0.17404820	3.1770425	21	11 16.3	19.6
291353 2006 BZ_{252}	17.5	X	288.04398	291.99772	291.56504	1.88962	0.1336741	0.25418327	2.4681492	21	—	—
291354 2006 BT_{254}	17.5	X	112.51417	77.96270	149.02721	2.84475	0.0848738	0.28882863	2.2666053	21	10 6.5	20.4
291355 2006 BT_{257}	17.6	X	123.41672	77.13977	14.31243	3.00412	0.1396438	0.26984470	2.3717020	21	4 18.7	20.6
291356 2006 BW_{258}	18.1	X	121.20779	8.93708	101.80672	2.17374	0.1430078	0.27216646	2.3581947	21	5 13.8	21.3
291357 2006 BE_{259}	16.9	X	132.20051	192.40436	118.31140	3.33561	0.0742107	0.24278199	2.5448278	21	—	—
291358 2006 BX_{259}	16.8	X	174.47610	314.31016	279.37050	3.47063	0.1493144	0.23554998	2.5966535	21	12 9.7	20.9
291359 2006 BB_{260}	17.4	X	274.69404	62.94528	338.90936	7.86853	0.1291380	0.28790939	2.2714272	21	8 4.2	19.9
291360 2006 BV_{261}	16.6	X	146.02368	179.85500	111.95330	2.57506	0.0949500	0.24161034	2.5530483	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291361 2006 BW_{261}	16.4	X	11.42736	190.50238	146.57799	14.35089	0.1732090	0.22718471	2.6600103	21	10 25.9	19.5
291362 2006 BJ_{262}	18.2	X	172.04940	150.03608	109.00295	2.55135	0.1161351	0.30362284	2.1923661	21	—	—
291363 2006 BD_{263}	17.9	X	221.62415	105.35504	120.44754	4.00167	0.1463201	0.24114923	2.5563018	21	—	—
291364 2006 BP_{263}	16.0	X	217.21671	131.48424	139.52795	8.33040	0.0111169	0.18629059	3.0362820	21	—	—
291365 2006 BB_{264}	16.8	X	295.84133	140.65804	128.21879	6.05840	0.1640484	0.26136382	2.4227340	21	2 21.7	20.1
291366 2006 BQ_{265}	16.3	X	219.72337	158.00026	149.41539	7.60968	0.1564264	0.25649827	2.4532761	21	1 25.9	20.3
291367 2006 BR_{265}	17.8	X	42.72911	203.22085	334.83392	2.05123	0.1393117	0.26699501	2.3885479	21	4 15.6	20.1
291368 2006 BG_{268}	15.1	X	321.72864	140.04340	347.72359	27.33737	0.1203472	0.18217008	3.0818963	21	—	—
291369 2006 BA_{274}	17.6	X	204.94357	63.56528	337.46017	5.45941	0.1614593	0.27491750	2.3424363	21	5 6.2	21.3
291370 2006 BV_{274}	17.4	X	237.72499	170.39518	339.43670	2.00723	0.1199878	0.23247018	2.6195370	21	11 4.5	20.9
291371 2006 BJ_{275}	16.9	X	33.90190	53.40393	163.86767	6.28077	0.0525129	0.27442802	2.3452209	21	5 24.7	19.6
291372 2006 BA_{276}	16.6	X	199.68548	350.17733	335.53966	6.70144	0.1868154	0.25446362	2.4663361	21	2 2.1	20.6
291373 2006 BD_{276}	16.4	X	252.91498	60.44874	156.28823	1.59347	0.1217766	0.18195574	3.0843160	21	—	—
291374 2006 BQ_{276}	18.8	X	271.06975	275.48536	321.18832	2.67609	0.0556811	0.31723513	2.1291938	21	—	—
291375 2006 BG_{281}	16.3	X	287.92016	215.80053	144.39622	10.62535	0.2524685	0.21742720	2.7390090	21	6 4.8	20.3
291376 2006 BX_{281}	16.1	X	163.38795	109.06843	157.07087	10.16995	0.0615666	0.17431636	3.1737834	21	12 30.7	21.1
291377 2006 BN_{282}	16.7	X	124.41965	336.67268	75.91022	3.14607	0.0732529	0.19869104	2.9085991	21	3 2.3	20.8
291378 2006 CV_{7}	16.2	X	64.16940	351.12291	323.79067	11.23718	0.0557255	0.23163418	2.6258362	21	11 16.0	20.0
291379 2006 CU_{12}	15.4	X	144.61731	116.62003	137.99363	18.77253	0.1220603	0.17203465	3.2017845	21	12 3.1	20.8
291380 2006 CW_{12}	17.1	X	49.04525	168.72112	137.82443	4.56612	0.1273322	0.29387524	2.2405813	21	11 12.1	19.8
291381 2006 CJ_{13}	15.8	X	319.91933	270.35981	142.53904	5.90254	0.1566475	0.17238283	3.1974717	21	10 18.1	19.5
291382 2006 CY_{20}	17.0	X	57.03826	320.76149	287.91741	4.37051	0.1102975	0.28399708	2.2922403	21	8 24.5	19.5
291383 2006 CO_{28}	15.6	X	114.75917	212.17561	136.26544	11.73982	0.1175470	0.18761812	3.0219425	21	—	—
291384 2006 CF_{29}	17.5	X	29.23509	240.28431	302.58897	4.10516	0.1467874	0.26661371	2.3908247	21	3 24.6	19.7
291385 2006 CZ_{32}	12.8	X	337.15249	356.69427	289.49464	9.18934	0.0727644	0.08347909	5.1850256	21	6 7.9	19.4
291386 2006 CF_{33}	17.0	X	80.55881	166.99547	343.70059	5.99711	0.0517246	0.27381966	2.3486932	21	4 25.8	19.9
291387 2006 CN_{36}	17.4	X	6.03942	136.23236	117.19833	4.67128	0.1205479	0.27446468	2.3450120	21	5 30.9	19.5
291388 2006 CM_{38}	15.9	X	147.94537	269.26271	324.15976	11.22009	0.1039919	0.23034233	2.6356448	21	11 10.6	20.2
291389 2006 CO_{42}	16.4	X	220.31443	14.46043	299.27324	5.92303	0.1405101	0.25706499	2.4496691	21	2 3.1	20.3
291390 2006 CG_{43}	13.7	X	184.25543	235.49706	198.81906	8.95559	0.0194360	0.08156242	5.2659407	21	6 7.5	20.8
291391 2006 CN_{45}	17.1	X	333.74714	149.36934	118.23187	6.64093	0.0760818	0.27364402	2.3496981	21	4 29.2	19.7
291392 2006 CJ_{46}	17.5	X	309.31212	304.49404	354.78994	2.72414	0.1683729	0.27474532	2.3434149	21	4 17.2	20.1
291393 2006 CP_{46}	18.0	X	123.57841	6.01764	51.81184	2.19804	0.1733376	0.26716400	2.3875406	21	3 11.3	21.1
291394 2006 CG_{47}	18.1	X	46.09039	167.84310	29.98227	1.72388	0.1278519	0.27239349	2.3568842	21	5 22.5	20.3
291395 2006 CX_{47}	17.9	X	10.83496	5.77735	183.63658	1.39087	0.0538263	0.26554547	2.3972323	21	3 6.3	20.7
291396 2006 CT_{49}	17.4	X	57.86441	257.74344	318.36751	4.60293	0.0966814	0.27807093	2.3246933	21	7 7.2	19.8
291397 2006 CM_{56}	15.3	X	300.78772	149.39095	160.49398	5.70003	0.0244745	0.14705227	3.5548522	21	5 24.3	20.4
291398 2006 CH_{57}	18.2	X	290.18950	178.87025	314.86870	0.80342	0.1213813	0.30513643	2.1851102	21	—	—
291399 2006 CD_{60}	17.7	X	238.54615	238.49285	189.08239	5.88218	0.0999584	0.28645320	2.2791186	21	7 23.6	20.8
291400 2006 CN_{60}	15.7	X	354.96065	85.56409	54.32608	12.23931	0.0504425	0.19279569	2.9675941	21	—	—
291401 2006 CB_{61}	16.3	X	261.64208	264.19325	154.36872	17.33945	0.2661172	0.22851775	2.6496555	21	7 16.6	20.5
291402 2006 CU_{61}	16.8	X	44.59848	162.88489	49.73756	4.17202	0.1885824	0.27202354	2.3590205	21	6 22.1	18.9
291403 2006 CL_{65}	17.3	X	103.51810	258.05995	177.72398	6.41628	0.1142732	0.26210690	2.4181528	21	2 26.3	20.1
291404 2006 CV_{65}	16.9	X	258.22843	80.13587	77.67381	4.32472	0.2123218	0.23590077	2.5940786	21	11 28.9	20.1
291405 2006 CH_{68}	16.6	X	28.72259	290.19139	304.16392	20.46173	0.1965492	0.27709361	2.3301562	21	6 27.6	18.6
291406 2006 DP_{1}	17.1	X	306.71581	79.94378	37.61737	3.71744	0.1457461	0.24261716	2.5459803	21	—	—
291407 2006 DY_{2}	16.3	X	3.29223	21.68690	335.23411	13.54872	0.2671663	0.23080879	2.6320925	21	11 10.5	19.0
291408 2006 DK_{3}	16.5	X	165.73317	270.61853	315.94584	4.86299	0.1621758	0.23233693	2.6205385	21	11 21.2	20.9
291409 2006 DP_{3}	17.7	X	19.11098	41.62259	173.99978	5.16537	0.1735011	0.26802510	2.3824241	21	4 28.6	19.4
291410 2006 DG_{4}	15.2	X	309.04275	326.15021	162.08085	10.44977	0.0928421	0.17801800	3.1296332	21	—	—
291411 2006 DZ_{5}	17.4	X	71.33564	158.89981	42.50570	3.43710	0.1421076	0.27545484	2.3393890	21	7 14.7	20.2
291412 2006 DC_{6}	15.2	X	318.09120	329.59507	134.49903	16.06598	0.0459104	0.17683955	3.1435216	21	12 24.4	19.6
291413 2006 DK_{7}	16.6	X	256.95063	38.98558	177.14320	0.99823	0.0931867	0.18128589	3.0919091	21	—	—
291414 2006 DG_{8}	15.7	X	281.24169	334.24420	176.07221	10.68212	0.1788806	0.17559394	3.1583702	21	12 14.7	19.8
291415 2006 DA_{9}	16.7	X	319.84885	123.76549	77.25956	7.91466	0.0673869	0.25607219	2.4559967	21	1 8.3	19.8
291416 2006 DX_{9}	16.2	X	189.10089	178.83319	359.97213	12.33068	0.0294590	0.22972549	2.6403607	21	10 21.5	20.0
291417 2006 DV_{11}	17.0	X	28.99289	323.26721	162.35439	5.01627	0.0606041	0.26030680	2.4292882	21	1 5.3	19.9
291418 2006 DD_{12}	15.9	X	309.91963	301.69238	145.74254	4.78623	0.0888023	0.17536312	3.1611410	21	11 20.2	20.0
291419 2006 DL_{12}	15.5	X	235.53337	68.94416	153.41107	10.35635	0.1890090	0.17695024	3.1422105	21	—	—
291420 2006 DN_{12}	16.6	X	114.06860	261.86734	345.68978	10.91323	0.1670186	0.22427450	2.6829718	21	10 27.9	21.0
291421 2006 DP_{12}	17.4	X	180.55360	313.03154	157.73680	4.25077	0.1608155	0.28171572	2.3045988	21	7 15.5	20.9
291422 2006 DN_{14}	17.0	X	159.20949	37.55887	125.08077	4.49636	0.1153754	0.28390344	2.2927443	21	9 3.2	20.2
291423 2006 DM_{15}	17.2	X	324.61711	160.80002	120.47531	4.73630	0.1697241	0.27068133	2.3668125	21	4 18.9	19.7
291424 2006 DZ_{22}	16.9	X	236.51076	222.53500	68.78547	2.16613	0.1693693	0.25441681	2.4666386	21	1 22.6	20.9
291425 2006 DX_{23}	16.5	X	108.97529	336.93848	134.37444	2.94942	0.0193287	0.20299212	2.8673669	21	4 17.8	20.3
291426 2006 DL_{25}	16.6	X	264.36199	145.19482	136.12701	2.77060	0.0348857	0.19624752	2.9326930	21	2 26.1	20.6
291427 2006 DH_{26}	17.0	X	297.07003	260.58610	5.73129	5.17985	0.1449565	0.26298451	2.4127701	21	2 22.6	20.3
291428 2006 DC_{27}	17.6	X	11.63988	353.82202	156.25229	2.92334	0.1455530	0.25637895	2.4540372	21	1 4.2	20.2
291429 2006 DD_{27}	13.5	X	295.65341	331.47362	3.35435	5.00949	0.0273598	0.08068450	5.3040708	21	6 17.2	20.4
291430 2006 DO_{27}	17.1	X	130.77009	330.34486	158.27046	5.80969	0.1649461	0.27500224	2.3419551	21	6 20.2	20.6
291431 2006 DT_{27}	17.4	X	315.91697	326.45836	157.02801	5.25688	0.2042532	0.24375990	2.5380171	21	—	—
291432 2006 DV_{28}	16.9	X	328.97372	207.63739	153.28162	7.36539	0.1200155	0.28505525	2.2865640	21	9 8.3	18.8
291433 2006 DY_{29}	16.5	X	138.74360	209.19229	172.97700	10.70566	0.0975221	0.19133349	2.9826942	21	2 10.7	21.0
291434 2006 DG_{30}	17.3	X	236.91094	194.73541	181.33224	2.42323	0.0757732	0.27248130	2.3563777	21	5 14.9	20.5
291435 2006 DV_{31}	16.7	X	334.07074	340.38770	174.09183	0.97885	0.2599566	0.18662977	3.0326022	21	—	—
291436 2006 DX_{31}	15.6	X	223.25653	63.07277	168.51066	10.04480	0.0977516	0.17736884	3.1372647	21	—	—
291437 2006 DO_{32}	13.4	X	341.04019	300.88674	353.18671	4.23881	0.0372921	0.08083850	5.2973324	21	6 24.5	20.3
291438 2006 DQ_{32}	17.0	X	202.06653	190.12088	344.41699	4.46520	0.1696404	0.22955155	2.6416943	21	10 21.4	21.3
291439 2006 DP_{33}	17.2	X	138.93007	290.68440	170.24663	6.81953	0.0685104	0.26998347	2.3708893	21	5 14.3	20.4
291440 2006 DQ_{33}	16.5	X	157.77759	254.66037	0.11368	5.00791	0.0639657	0.23382756	2.6093895	21	12 22.3	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291441 2006 DG_{34}	17.4	X	310.90634	102.21051	167.55058	9.04050	0.2136421	0.26067197	2.4270189	21	3 4.8	20.6
291442 2006 DK_{34}	16.1	X	101.79612	257.00855	168.98050	10.93876	0.0552350	0.19174350	2.9784407	21	2 14.8	20.4
291443 2006 DQ_{35}	17.0	X	348.98058	166.77809	179.06385	6.47264	0.1782294	0.28405461	2.2919307	21	9 28.6	18.5
291444 2006 DW_{35}	17.4	X	244.08081	158.42544	358.35306	4.36232	0.0974074	0.23352448	2.6116468	21	11 24.5	20.8
291445 2006 DK_{36}	17.6	X	125.79663	275.04659	358.01728	4.28092	0.1418977	0.29400973	2.2398980	21	12 21.8	21.1
291446 2006 DY_{37}	17.6	X	229.00249	207.55795	355.15427	5.10623	0.1932434	0.30099681	2.2050992	21	—	—
291447 2006 DH_{40}	16.2	X	265.00530	215.51265	296.74096	12.56621	0.1400230	0.23896767	2.5718361	21	12 13.5	19.3
291448 2006 DU_{40}	17.1	X	215.94421	5.26646	158.57124	5.26310	0.1009016	0.29452612	2.2372791	21	11 10.9	20.0
291449 2006 DF_{42}	16.8	X	184.58587	267.95564	142.84932	5.07693	0.0712683	0.21240765	2.7819925	21	5 5.8	21.0
291450 2006 DB_{45}	17.5	X	77.78743	59.02334	82.26143	2.39731	0.1274988	0.26762819	2.3847790	21	4 24.3	20.1
291451 2006 DD_{46}	16.6	X	130.41438	240.81984	2.14420	4.75640	0.1576162	0.22592022	2.6699265	21	11 8.9	21.0
291452 2006 DG_{47}	17.8	X	74.09962	275.69489	171.53830	2.59697	0.1640027	0.26074085	2.4265914	21	2 2.8	20.1
291453 2006 DC_{48}	16.8	X	81.60575	98.14807	300.92142	0.49848	0.0663171	0.18727363	3.0256472	21	—	—
291454 2006 DE_{48}	17.5	X	74.01481	145.07686	332.04903	4.20458	0.1854608	0.26507240	2.4000836	21	3 20.5	19.8
291455 2006 DV_{50}	17.6	X	348.52755	34.29826	200.15045	3.13603	0.1462233	0.26935689	2.3745646	21	3 22.9	19.9
291456 2006 DE_{51}	16.6	X	93.40864	46.28758	160.77462	6.87943	0.0518397	0.27997126	2.3141619	21	8 7.4	19.4
291457 2006 DJ_{52}	16.1	X	257.60383	244.24658	71.96068	3.00467	0.0574792	0.20110134	2.8853117	21	3 31.1	20.2
291458 2006 DY_{52}	17.6	X	42.93779	31.36481	207.18817	1.79958	0.1654987	0.27443546	2.3451785	21	7 26.2	19.7
291459 2006 DP_{54}	17.9	X	60.87274	232.07706	153.29791	2.88184	0.0618096	0.30684667	2.1769833	21	—	—
291460 2006 DL_{58}	17.3	X	130.87332	86.33548	178.28982	4.66766	0.1063572	0.29473933	2.2362001	21	12 16.3	20.5
291461 2006 DY_{59}	17.5	X	21.24607	263.24792	335.66207	1.28718	0.1409360	0.26907995	2.3761936	21	6 8.5	19.4
291462 2006 DY_{60}	17.9	X	72.08776	12.40631	170.76977	2.86620	0.1076689	0.27062729	2.3671275	21	6 12.1	20.6
291463 2006 DA_{61}	16.0	X	23.63694	295.63065	185.82575	10.04431	0.0967359	0.18768608	3.0212130	21	1 8.9	19.9
291464 2006 DH_{64}	16.1	X	295.07429	57.26514	35.67814	12.75357	0.1391521	0.23640948	2.5903560	21	11 8.9	19.0
291465 2006 DF_{66}	15.4	X	272.32827	164.90609	43.78626	9.87300	0.0779214	0.18511635	3.0491084	21	—	—
291466 2006 DE_{69}	16.7	X	39.11399	179.05365	54.23576	8.60231	0.0624402	0.27713601	2.3299186	21	6 25.9	19.2
291467 2006 DS_{73}	17.3	X	252.02361	290.23738	153.32658	6.56408	0.1674410	0.29025250	2.2591864	21	8 24.9	19.9
291468 2006 DG_{75}	17.1	X	208.25869	163.47645	130.73488	5.48864	0.2151058	0.25207583	2.4818865	21	1 2.6	21.3
291469 2006 DR_{81}	16.3	X	178.12017	173.29415	171.18102	11.08799	0.0356076	0.19110658	2.9850547	21	2 3.1	20.8
291470 2006 DE_{83}	16.8	X	52.47116	99.02268	302.48679	1.18316	0.0020811	0.24324273	2.5416133	21	—	—
291471 2006 DY_{83}	13.7	X	216.10857	231.74277	184.47770	7.55446	0.0460549	0.08241161	5.2297041	21	6 19.6	20.8
291472 2006 DV_{85}	16.1	X	125.32295	150.92242	167.76559	12.88261	0.0394137	0.17638382	3.1489340	21	—	—
291473 2006 DF_{86}	17.4	X	285.05278	197.76424	121.10231	2.26866	0.1987170	0.26731287	2.3866540	21	4 10.6	20.6
291474 2006 DR_{87}	16.9	X	27.54819	212.98391	23.32973	4.33979	0.2172989	0.26976813	2.3721508	21	6 27.9	18.6
291475 2006 DW_{88}	17.7	X	299.45550	250.04265	23.76215	1.63025	0.1645160	0.26106771	2.4245656	21	3 3.9	21.0
291476 2006 DU_{89}	16.6	X	94.75570	283.30908	311.60138	2.02001	0.0175223	0.22180309	2.7028648	21	9 8.3	20.2
291477 2006 DC_{90}	17.0	X	115.72529	131.29101	162.58743	3.28165	0.1514392	0.23174029	2.6250345	21	12 28.0	21.2
291478 2006 DP_{92}	16.5	X	187.01237	54.91323	218.79928	0.68874	0.0364748	0.17897745	3.1184384	21	—	—
291479 2006 DB_{93}	17.3	X	170.04219	112.07585	172.66190	5.71693	0.2161637	0.23780353	2.5802227	21	—	—
291480 2006 DU_{93}	15.8	X	120.94749	242.62340	0.53863	11.20156	0.0321113	0.22489935	2.6780001	21	10 21.4	19.7
291481 2006 DX_{93}	18.0	X	185.34927	77.40647	169.53255	4.10721	0.0767037	0.30088902	2.2056257	21	—	—
291482 2006 DJ_{96}	16.3	X	248.50755	39.92781	169.69797	1.10273	0.1306239	0.17597707	3.1537843	21	—	—
291483 2006 DJ_{99}	16.6	X	261.75006	73.00154	174.53931	3.55291	0.1317575	0.18834974	3.0141119	21	1 5.4	21.4
291484 2006 DK_{102}	15.5	X	238.30195	68.37256	121.70567	2.67187	0.1683225	0.17412235	3.1761405	21	12 9.6	20.2
291485 2006 DU_{103}	13.3	X	260.29055	3.05583	2.73203	6.64418	0.0432408	0.08126406	5.2788221	21	6 9.5	20.3
291486 2006 DP_{107}	15.9	X	2.44254	265.98967	172.71724	10.08697	0.0968022	0.17804670	3.1292968	21	—	—
291487 2006 DF_{109}	17.3	X	239.03458	113.98722	209.09594	2.13688	0.0929870	0.26096599	2.4251956	21	3 6.2	20.9
291488 2006 DJ_{109}	17.2	X	80.05328	270.48887	334.57107	6.29233	0.0778151	0.28250320	2.3003141	21	9 16.3	20.0
291489 2006 DQ_{109}	16.9	X	288.29441	15.55132	272.41668	1.79032	0.1172188	0.26255802	2.4153822	21	3 13.7	20.2
291490 2006 DS_{117}	16.8	X	201.29168	168.84156	97.55552	2.16317	0.0751142	0.24224995	2.5485525	21	—	—
291491 2006 DA_{118}	16.9	X	79.47590	57.74809	6.14449	6.02923	0.1039309	0.25229017	2.4804806	21	1 6.8	19.7
291492 2006 DU_{119}	16.3	X	248.04332	192.99618	49.01709	9.74634	0.0617963	0.25175519	2.4839934	21	—	—
291493 2006 DH_{120}	16.9	X	70.81569	60.40806	143.61074	7.58384	0.0528669	0.27579608	2.3374590	21	7 1.5	19.7
291494 2006 DQ_{120}	14.7	X	274.90620	75.82493	32.05217	18.81210	0.1110817	0.16911562	3.2385224	21	10 23.2	18.9
291495 2006 DA_{131}	13.4	X	287.30889	224.04469	111.87959	7.81686	0.0792836	0.08103054	5.2889591	21	6 3.3	20.4
291496 2006 DA_{139}	16.5	X	58.68466	207.01183	25.79798	5.73846	0.0690031	0.27790707	2.3256070	21	7 31.0	19.2
291497 2006 DH_{140}	15.9	X	71.33021	294.16105	143.50431	10.67162	0.0704772	0.19043105	2.9921099	21	1 23.1	19.9
291498 2006 DT_{142}	15.9	X	55.12523	27.92333	17.77556	5.18448	0.1582433	0.18386913	3.0628813	21	—	—
291499 2006 DU_{143}	17.0	X	29.52299	255.12657	149.10138	4.41378	0.1484081	0.24357708	2.5392869	21	—	—
291500 2006 DR_{147}	17.7	X	327.33856	334.15443	312.13766	1.42493	0.1644904	0.26830331	2.3807769	21	4 29.1	20.0
291501 2006 DL_{154}	16.9	X	223.83713	127.12447	197.08988	5.62733	0.1334447	0.25702843	2.4499014	21	2 18.3	20.7
291502 2006 DC_{155}	17.2	X	281.91168	301.76250	195.61202	7.30039	0.1265765	0.23785910	2.5798208	21	12 21.3	20.3
291503 2006 DX_{155}	16.5	X	323.85301	37.10776	109.30091	3.14113	0.1248610	0.18449544	3.0559456	21	—	—
291504 2006 DN_{156}	16.9	X	201.79684	307.48570	35.05950	1.85080	0.2009929	0.25947298	2.4344898	21	2 23.5	21.0
291505 2006 DE_{174}	16.3	X	276.45052	86.02999	69.70361	2.24140	0.1071909	0.17575619	3.1564262	21	12 23.6	20.3
291506 2006 DM_{174}	17.3	X	31.50832	178.00220	48.20207	1.86484	0.1381532	0.27046805	2.3680566	21	6 9.4	19.3
291507 2006 DE_{178}	17.3	X	76.11086	152.17658	137.16105	3.61262	0.1701883	0.28925075	2.2643995	21	11 25.6	20.4
291508 2006 DK_{186}	15.9	X	294.40125	314.38992	11.04721	16.20248	0.2567482	0.20366526	2.8610453	21	4 22.5	20.1
291509 2006 DM_{191}	17.0	X	165.22738	269.15880	22.17670	10.01097	0.1991402	0.23774678	2.5806332	21	—	—
291510 2006 DJ_{192}	16.8	X	157.85913	196.07545	47.04632	4.21753	0.2434582	0.22791811	2.6543009	21	12 2.8	21.3
291511 2006 DS_{195}	15.0	X	316.89219	58.99679	357.04755	18.37754	0.1296769	0.17004163	3.2267541	21	10 11.0	19.2
291512 2006 DL_{198}	17.4	X	311.49691	121.52854	127.31718	3.15732	0.1757121	0.26117516	2.4239006	21	2 12.1	20.6
291513 2006 DY_{200}	15.9	X	138.96602	225.18951	31.94303	13.82956	0.2243079	0.22728090	2.6592597	21	12 2.9	20.6
291514 2006 DA_{208}	17.0	X	213.78103	43.95630	263.42427	2.05189	0.1212902	0.25102162	2.4888303	21	1 21.2	20.8
291515 2006 DO_{209}	17.3	X	57.55814	309.76404	337.14489	1.71666	0.2233790	0.28339411	2.2954905	21	11 6.1	20.3
291516 2006 DT_{209}	15.9	X	231.49313	73.37655	154.86101	9.29210	0.0549115	0.18174207	3.0867331	21	—	—
291517 2006 DS_{211}	17.1	X	198.54903	219.15425	182.20745	6.20678	0.0873493	0.26846043	2.3798479	21	5 4.8	20.5
291518 2006 DW_{213}	17.0	X	203.73668	180.75643	267.77583	18.40604	0.0384427	0.34712564	2.0051410	21	7 13.4	19.4
291519 2006 DF_{214}	13.3	X	308.86830	164.98932	163.47031	16.08837	0.0909417	0.08429877	5.1513598	21	6 19.3	20.1
291520 2006 EZ	17.4	X	5.90983	38.56349	303.68613	17.29550	0.0621262	0.35575901	1.9725686	21	10 16.0	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291521 2006 EM_2	16.8	X	212.03328	133.46083	17.83390	6.13308	0.1611607	0.22784778	2.6548471	21	10 4.9	20.7
291522 2006 EB_7	15.9	X	14.18416	300.88095	150.20403	1.49119	0.0639023	0.18232074	3.0801983	21	—	—
291523 2006 EW_8	17.0	X	327.73334	356.76173	32.33446	1.83291	0.1982817	0.22819783	2.6521314	21	10 5.9	19.1
291524 2006 EY_8	17.4	X	286.31572	76.21261	21.87136	2.78077	0.1646103	0.23397562	2.6082886	21	10 29.1	20.3
291525 2006 EA_{10}	17.2	X	182.03842	107.38960	161.57567	7.72589	0.1798594	0.23871139	2.5736765	21	—	—
291526 2006 EL_{10}	17.0	X	6.02220	224.30424	13.70791	5.06400	0.1008727	0.26808611	2.3820626	21	5 4.9	19.5
291527 2006 EW_{13}	17.2	X	175.40943	277.58342	350.82072	12.40127	0.1541506	0.23822390	2.5771864	21	—	—
291528 2006 EX_{13}	16.6	X	216.12213	295.86461	165.56986	2.47121	0.0084434	0.21861267	2.7290982	21	8 19.6	20.3
291529 2006 ET_{15}	16.9	X	299.09664	51.92516	21.59737	3.89415	0.1579399	0.23083086	2.6319248	21	10 17.3	19.6
291530 2006 EY_{15}	18.0	X	164.84114	276.89178	4.87380	6.26246	0.1137868	0.30304218	2.1951658	21	—	—
291531 2006 EV_{20}	16.5	X	215.12455	128.47662	337.08898	11.21449	0.1104093	0.22455452	2.6807409	21	8 16.4	20.4
291532 2006 EA_{22}	18.1	X	214.29976	101.23216	152.66229	4.22297	0.1718972	0.30827670	2.1702457	21	—	—
291533 2006 EL_{26}	17.6	X	8.97537	64.96425	182.38239	2.57810	0.1769290	0.27480769	2.3430603	21	5 26.2	19.1
291534 2006 EE_{31}	15.4	X	313.81380	336.13650	157.17460	11.66457	0.0662090	0.17834859	3.1257645	21	—	—
291535 2006 EJ_{36}	16.5	X	334.78175	272.52472	31.34104	4.78003	0.0497350	0.21207774	2.7848768	21	6 25.6	20.0
291536 2006 EJ_{40}	17.4	X	180.37836	2.51812	220.79696	2.20787	0.0906065	0.23279731	2.6170825	21	12 6.3	21.2
291537 2006 EK_{40}	16.6	X	358.51828	262.75839	223.63512	3.68558	0.0903023	0.18536225	3.0464112	21	—	—
291538 2006 ER_{40}	17.8	X	13.48385	297.87224	226.80109	2.27013	0.0358495	0.25810082	2.4431106	21	2 6.1	20.6
291539 2006 EZ_{41}	16.3	X	161.24623	287.71580	237.90506	8.13324	0.1919245	0.21994748	2.7180455	21	8 31.9	21.1
291540 2006 EY_{42}	16.2	X	326.69606	10.65309	301.22569	3.34008	0.0531160	0.20985496	2.8045072	21	6 24.2	19.9
291541 2006 EC_{44}	16.9	X	218.46336	219.34340	97.85509	2.56540	0.2021710	0.25619967	2.4551819	21	2 6.9	20.9
291542 2006 EK_{47}	17.0	X	295.61047	26.49889	349.71287	22.62684	0.3070851	0.28819978	2.2699012	21	6 28.5	20.2
291543 2006 EW_{49}	16.1	X	98.20767	268.10288	101.06741	4.16503	0.0670257	0.18233647	3.0800211	21	—	—
291544 2006 EX_{51}	17.1	X	338.05629	67.72466	176.89154	6.69463	0.0734706	0.26463001	2.4027578	21	4 1.5	19.8
291545 2006 EA_{52}	17.1	X	155.20363	43.40243	179.01756	5.76918	0.1926494	0.22661356	2.6644779	21	11 8.7	21.6
291546 2006 EO_{54}	16.3	X	2.02309	98.70421	332.91449	13.64608	0.2206278	0.18448651	3.0560443	21	—	—
291547 2006 EP_{54}	16.8	X	176.14051	37.19274	156.92449	4.05682	0.1451019	0.22894163	2.6463840	21	10 25.3	20.9
291548 2006 EG_{55}	17.4	X	108.50901	221.43749	249.57717	1.67565	0.1478011	0.26908616	2.3761570	21	4 27.9	20.3
291549 2006 EG_{63}	16.7	X	59.33845	358.67305	195.43412	8.65741	0.2385960	0.20477093	2.8507371	21	6 30.3	20.3
291550 2006 EA_{64}	16.6	X	165.18795	282.19896	340.58126	11.02031	0.1853745	0.23343809	2.6122911	21	—	—
291551 2006 EA_{72}	17.8	X	198.47492	33.58651	190.38654	5.48070	0.1264990	0.30025360	2.2087364	21	—	—
291552 2006 EK_{72}	17.0	X	180.19675	53.07420	190.85482	6.29471	0.0891090	0.23701035	2.5859761	21	12 31.6	21.0
291553 2006 EW_{72}	17.0	X	214.87516	229.33614	171.45084	7.31993	0.1657178	0.27108138	2.3644834	21	5 19.4	20.7
291554 2006 EC_{73}	16.6	X	317.90047	270.90176	237.29904	0.44822	0.0107334	0.17916727	3.1162355	21	—	—
291555 2006 EE_{73}	16.5	X	148.82337	288.88753	13.26191	13.21827	0.1065450	0.23920764	2.5701158	21	—	—
291556 2006 FT_1	17.1	X	211.04334	151.23327	39.49878	5.41412	0.0790144	0.29693782	2.2251487	21	12 12.5	19.7
291557 2006 FC_2	13.0	X	329.74139	143.47337	156.72889	24.29044	0.0690913	0.08410841	5.1591298	21	6 17.5	19.9
291558 2006 FM_3	17.4	X	283.30360	40.50028	133.38377	0.96980	0.1074427	0.24149004	2.5538962	21	—	—
291559 2006 FH_5	17.3	X	198.98501	61.93530	103.86816	3.14886	0.0974188	0.28893192	2.2660650	21	10 23.3	20.2
291560 2006 FB_9	16.3	X	290.88189	116.18192	105.22092	1.98135	0.2266496	0.18310050	3.0714470	21	—	—
291561 2006 FQ_{10}	17.6	X	340.50452	138.40265	157.11171	2.54540	0.2008719	0.27163680	2.3612591	21	6 5.6	19.3
291562 2006 FV_{18}	17.1	X	179.69285	59.47864	16.22160	6.62447	0.1007569	0.27050603	2.3678349	21	5 27.0	20.5
291563 2006 FH_{26}	17.2	X	169.70559	247.73776	26.05720	4.29892	0.1835554	0.23442749	2.6049358	21	—	—
291564 2006 FJ_{28}	16.4	X	234.88447	117.37178	190.76274	6.12061	0.1625612	0.18550343	3.0448653	21	2 17.2	21.4
291565 2006 FF_{29}	16.4	X	14.37319	82.42580	22.79665	1.77327	0.1552698	0.18520799	3.0481026	21	—	—
291566 2006 FS_{29}	16.7	X	195.83928	201.65546	195.17102	6.15960	0.1145080	0.26306031	2.4123066	21	4 25.6	20.4
291567 2006 FR_{31}	15.7	X	198.28212	132.24748	197.71695	10.68338	0.1268203	0.18405681	3.0607988	21	2 9.7	20.8
291568 2006 FS_{31}	17.6	X	108.43246	169.17688	63.40196	1.86724	0.1569961	0.28166727	2.3048631	21	10 14.1	20.8
291569 2006 FW_{31}	17.4	X	215.42050	207.75735	61.08126	3.08783	0.1199362	0.24158377	2.5532356	21	—	—
291570 2006 FJ_{32}	15.3	X	220.58108	253.59460	19.23789	13.50637	0.2526634	0.17639819	3.1487629	21	—	—
291571 2006 FO_{32}	17.3	X	121.59836	83.03338	193.07945	7.86090	0.1685031	0.22512164	2.6762369	21	12 12.4	21.7
291572 2006 FC_{34}	15.7	X	275.83631	301.61337	204.04457	9.62485	0.1997277	0.17531992	3.1616603	21	11 28.3	19.9
291573 2006 FL_{35}	17.2	X	119.59101	98.75677	126.64479	2.81397	0.1722670	0.28380231	2.2932889	21	10 17.7	20.7
291574 2006 FY_{36}	16.5	X	83.83142	203.69423	35.82418	21.45059	0.0424233	0.28120846	2.3073694	21	9 22.1	19.8
291575 2006 FK_{39}	15.7	X	141.70517	257.79642	19.69729	7.70946	0.0289158	0.17050838	3.2208629	21	12 20.1	20.5
291576 2006 FW_{41}	17.7	X	243.55359	116.81648	138.11896	2.19506	0.1327865	0.24449969	2.5328949	21	—	—
291577 2006 FF_{42}	17.1	X	120.20852	110.71314	178.34821	4.18636	0.2068989	0.22616324	2.6680136	21	12 27.2	21.6
291578 2006 FP_{42}	17.3	X	291.77156	234.02625	168.61027	4.63300	0.1073276	0.28322141	2.2964235	21	9 3.5	19.4
291579 2006 FG_{47}	16.3	X	163.24648	240.76162	50.33485	13.63324	0.1573848	0.23773515	2.5807174	21	—	—
291580 2006 FZ_{49}	16.9	X	308.49305	163.72603	105.86656	4.54916	0.2151911	0.26053846	2.4278480	21	3 3.6	20.1
291581 2006 FZ_{52}	18.5	X	269.77172	176.96257	32.34966	2.14576	0.0892996	0.30760487	2.1734046	21	—	—
291582 2006 FL_{53}	17.3	X	359.76807	307.20606	311.05873	1.75479	0.1639772	0.26527663	2.3988516	21	5 22.6	19.3
291583 2006 GN_1	15.5	X	336.84261	252.55719	137.12978	14.31806	0.0792800	0.17386247	3.1793047	21	10 22.9	19.8
291584 2006 GG_4	18.5	X	197.31333	58.42155	186.53076	0.89001	0.1422795	0.30336022	2.1936313	21	—	—
291585 2006 GD_6	16.6	X	232.84175	20.87886	113.39631	5.30936	0.0846156	0.22653857	2.6650658	21	10 17.1	20.3
291586 2006 GF_8	17.5	X	117.47449	85.16124	169.93136	8.98855	0.0718146	0.28934008	2.2639334	21	11 19.4	20.7
291587 2006 GZ_9	17.5	X	161.25097	165.50977	71.89879	2.91213	0.1327334	0.29394547	2.2402245	21	12 11.4	20.8
291588 2006 GD_{12}	17.6	X	228.43849	205.85469	54.98323	5.11349	0.2527991	0.24203964	2.5500286	21	—	—
291589 2006 GQ_{13}	16.7	X	318.48300	182.18100	49.52294	7.36431	0.1128568	0.25552791	2.4594830	21	2 12.1	19.9
291590 2006 GH_{14}	17.0	X	136.13364	84.70855	138.38812	3.48948	0.0505060	0.22165759	2.7040474	21	10 19.4	20.9
291591 2006 GQ_{16}	17.4	X	302.15272	308.26880	166.57106	4.03103	0.1290567	0.23544570	2.5974202	21	12 24.3	20.1
291592 2006 GD_{19}	16.0	X	116.69417	187.94267	191.80186	14.53621	0.1216397	0.24578577	2.5240516	21	1 4.6	19.6
291593 2006 GY_{19}	16.1	X	275.65275	169.67573	46.59940	8.45761	0.1410469	0.17998306	3.1068119	21	—	—
291594 2006 GD_{20}	18.2	X	186.38206	227.55548	52.28281	4.85378	0.1837045	0.30209897	2.1997326	21	—	—
291595 2006 GY_{20}	15.6	X	352.39405	105.74765	44.55241	10.40802	0.0695333	0.18341425	3.0679433	21	1 4.9	19.8
291596 2006 GJ_{22}	16.9	X	296.07438	259.73019	53.26278	6.92275	0.1070197	0.26411861	2.4058583	21	4 30.6	19.8
291597 2006 GD_{23}	17.3	X	172.71335	330.16057	106.00771	2.45989	0.1582480	0.26886095	2.3774838	21	5 24.0	21.0
291598 2006 GS_{29}	17.4	X	287.44998	147.96987	58.78820	1.89331	0.0518802	0.24521218	2.5279862	21	—	—
291599 2006 GA_{30}	16.8	X	179.51733	93.43232	189.82351	9.07452	0.1972475	0.23655245	2.5893122	21	—	—
291600 2006 GH_{30}	17.8	X	56.41218	208.30638	81.56314	3.20982	0.2192157	0.27967423	2.3158001	21	11 9.1	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291601 2006 GD_{31}	16.5	X	264.82912	125.27183	56.88348	3.71458	0.0627666	0.23610132	2.5926095	21	—	—
291602 2006 GG_{31}	17.5	X	286.80616	65.77620	180.43865	3.55870	0.1005474	0.24987165	2.4964606	21	1 21.5	21.0
291603 2006 GE_{34}	16.1	X	239.32033	127.23421	89.72781	3.74579	0.0909909	0.17379179	3.1801667	21	—	—
291604 2006 GQ_{35}	16.4	X	151.01005	217.84959	52.86094	3.28540	0.2711820	0.22955439	2.6416725	21	12 29.7	21.2
291605 2006 GV_{35}	15.9	X	150.53509	197.62760	22.55518	13.54784	0.1164482	0.22441129	2.6818814	21	10 29.4	20.1
291606 2006 GF_{36}	16.3	X	202.86549	40.04553	173.67433	14.51815	0.1095075	0.23185404	2.6241759	21	12 17.3	20.4
291607 2006 GM_{38}	15.3	X	240.02832	109.30057	123.70883	14.34312	0.2553387	0.17476705	3.1683247	21	—	—
291608 2006 GG_{39}	17.7	X	159.12878	107.85326	151.18705	3.08844	0.1578800	0.29547772	2.2324730	21	—	—
291609 2006 GL_{42}	16.2	X	210.94957	130.52865	119.99910	13.58166	0.2352203	0.23479142	2.6022433	21	—	—
291610 2006 GQ_{43}	15.8	X	295.17612	325.24410	180.69604	12.89232	0.1407161	0.17824427	3.1269840	21	—	—
291611 2006 GN_{46}	17.0	X	267.72645	47.55783	57.25485	7.67115	0.0648746	0.28812664	2.2702853	21	11 4.7	19.4
291612 2006 GW_{46}	17.1	X	353.55590	163.10543	90.46900	2.38635	0.1500259	0.26506121	2.4001512	21	5 3.6	19.3
291613 2006 GX_{46}	17.2	X	277.38059	86.38237	40.86761	5.24851	0.0712530	0.29644642	2.2276070	21	12 22.3	19.4
291614 2006 GE_{48}	18.4	X	141.91456	38.11949	199.39627	0.83863	0.1032384	0.28882575	2.2666203	21	11 21.9	21.7
291615 2006 GD_{54}	16.9	X	55.56171	255.53620	43.71249	9.67981	0.2974730	0.21357636	2.7718343	21	11 18.9	21.0
291616 2006 HC_{1}	15.1	X	279.97371	328.01730	209.13219	26.96102	0.1310040	0.17550509	3.1594361	21	—	—
291617 2006 HF_{1}	15.2	X	274.26044	345.88016	213.82859	10.51554	0.0488400	0.17699369	3.1416963	21	—	—
291618 2006 HV_{1}	16.6	X	272.08684	188.26247	62.58406	8.64963	0.0921597	0.24991218	2.4961907	21	1 13.5	20.3
291619 2006 HP_{2}	17.3	X	338.18605	322.49993	153.65621	4.54543	0.0841271	0.24334032	2.5409337	21	—	—
291620 2006 HN_{4}	15.6	X	296.86951	308.21498	198.73676	16.04713	0.2209684	0.17514523	3.1637622	21	12 27.9	19.5
291621 2006 HP_{5}	16.7	X	308.09950	179.57611	91.38203	7.53436	0.1083899	0.25991841	2.4317076	21	3 23.8	19.8
291622 2006 HW_{6}	14.1	X	281.14788	118.07870	133.53070	9.39538	0.0803135	0.12420969	3.9783140	21	2 15.8	19.7
291623 2006 HM_{7}	17.1	X	114.81996	25.42745	224.52852	6.12282	0.1887424	0.28623727	2.2802647	21	11 13.2	20.5
291624 2006 HM_{9}	15.2	X	221.22375	21.36953	204.30028	17.02991	0.1423392	0.17286761	3.1914911	21	—	—
291625 2006 HV_{10}	16.8	X	48.42278	347.26411	153.59956	6.14961	0.0672575	0.25646881	2.4534639	21	2 27.8	19.4
291626 2006 HO_{11}	16.7	X	327.55543	235.17990	140.01791	7.63995	0.0658833	0.21714557	2.7413768	21	9 22.8	20.1
291627 2006 HF_{12}	15.5	X	232.42732	43.37911	188.63964	13.64555	0.1609681	0.17333223	3.1857853	21	—	—
291628 2006 HL_{12}	16.9	X	285.53046	148.71754	150.10927	6.42064	0.1302427	0.25844799	2.4409223	21	3 26.4	20.3
291629 2006 HM_{13}	16.8	X	335.08615	17.48228	226.52312	5.59912	0.1583351	0.26134904	2.4228254	21	3 11.1	19.5
291630 2006 HS_{14}	16.4	X	43.51559	16.22143	32.26827	11.41842	0.1236891	0.23871899	2.5736219	21	—	—
291631 2006 HG_{15}	17.6	X	213.97126	216.76180	36.41287	7.72089	0.1123540	0.30389114	2.1910756	21	—	—
291632 2006 HG_{16}	17.5	X	172.03328	205.84907	70.98936	6.02150	0.1346890	0.29795514	2.2200809	21	—	—
291633 Heyun	16.2	X	216.30285	85.08667	195.47303	12.66901	0.1488177	0.17944078	3.1130680	21	1 2.3	21.5
291634 2006 HU_{21}	17.0	X	86.18281	57.42224	65.79645	7.18664	0.0747616	0.26020364	2.4299302	21	4 6.5	19.9
291635 2006 HY_{21}	16.7	X	189.26463	174.52508	145.40558	5.24600	0.2502167	0.24219697	2.5489242	21	1 20.3	21.1
291636 2006 HM_{23}	17.4	X	45.55070	55.43888	87.70416	2.98964	0.1405363	0.25767938	2.4457737	21	3 3.2	19.6
291637 2006 HU_{25}	16.5	X	5.57354	193.30262	54.08576	13.25385	0.1803907	0.26342847	2.4100585	21	5 17.7	18.1
291638 2006 HR_{26}	17.1	X	146.28698	34.44805	158.43705	8.84871	0.1331566	0.21596878	2.7513261	21	9 24.8	21.4
291639 2006 HU_{27}	17.2	X	15.51096	223.81377	110.06603	7.44875	0.2253878	0.27678582	2.3318834	21	11 14.3	19.5
291640 2006 HY_{28}	16.7	X	302.26717	45.09978	94.07028	5.54677	0.1370589	0.23614670	2.5922773	21	—	—
291641 2006 HL_{31}	16.8	X	106.24213	18.73320	199.10398	4.41545	0.0806087	0.27990708	2.3145157	21	9 12.7	20.0
291642 2006 HD_{37}	17.0	X	6.34533	19.60067	224.64597	4.33288	0.1234789	0.26761731	2.3848437	21	5 16.4	18.9
291643 2006 HT_{38}	17.3	X	172.00299	120.12856	88.15073	4.84024	0.0960853	0.28881402	2.2666817	21	11 17.5	20.4
291644 2006 HH_{39}	17.9	X	17.61795	178.65716	122.15425	3.28275	0.2087814	0.27272956	2.3549475	21	9 23.2	19.8
291645 2006 HR_{41}	16.4	X	145.08183	123.05410	149.31056	9.33865	0.1345775	0.22722277	2.6597132	21	12 28.2	20.8
291646 2006 HY_{43}	16.5	X	304.55382	314.71610	106.52772	4.22605	0.0656354	0.22028139	2.7152980	21	10 20.3	19.9
291647 2006 HA_{46}	16.5	X	326.23928	51.87765	102.64827	2.24445	0.1262398	0.18191769	3.0847461	21	—	—
291648 2006 HM_{47}	15.9	X	216.95394	125.15598	196.21648	13.02740	0.0924245	0.18633832	3.0357635	21	2 16.8	20.7
291649 2006 HB_{49}	16.4	X	262.03534	52.16396	25.47637	12.89579	0.1338209	0.22207972	2.7006198	21	9 5.6	20.2
291650 2006 HY_{49}	17.2	X	141.57983	255.05661	190.54016	6.23881	0.0669258	0.26535235	2.3983952	21	4 25.7	20.4
291651 2006 HR_{50}	16.8	X	117.90500	231.20640	11.59741	1.72260	0.0237423	0.22305834	2.6927151	21	10 19.4	20.5
291652 2006 HE_{51}	17.4	X	265.68903	245.93442	325.45231	5.11225	0.0816541	0.30706312	2.1759602	21	—	—
291653 2006 HK_{52}	16.5	X	319.88977	215.16725	261.36878	3.69814	0.2246430	0.24096090	2.5576336	21	—	—
291654 2006 HF_{53}	17.4	X	313.22621	74.48548	78.33122	23.90358	0.0965207	0.37300039	1.9113044	21	—	—
291655 2006 HQ_{54}	15.2	X	200.07336	65.01662	205.96524	20.41951	0.1522708	0.17521459	3.1629273	21	—	—
291656 2006 HK_{55}	16.4	X	353.91158	44.68939	115.89606	7.00585	0.1237663	0.25160186	2.4850024	21	—	—
291657 2006 HF_{56}	17.4	X	148.98557	189.50500	54.94810	5.85836	0.1298996	0.29054743	2.2576573	21	12 7.3	20.7
291658 2006 HR_{61}	16.9	X	138.60471	162.36714	53.69921	4.35133	0.1108716	0.22120343	2.7077474	21	10 15.4	21.0
291659 2006 HX_{62}	17.2	X	27.16778	43.11393	79.18612	2.62052	0.0391063	0.24733846	2.5134772	21	1 3.4	20.3
291660 2006 HL_{65}	16.0	X	143.23026	106.60003	213.55879	8.83630	0.1419881	0.23459300	2.6037104	21	—	—
291661 2006 HZ_{66}	17.7	X	34.85471	105.85373	165.38667	1.51986	0.1655547	0.27225866	2.3576622	21	8 31.9	20.0
291662 2006 HF_{67}	16.2	X	93.65551	92.97631	214.53887	9.76022	0.2114291	0.22276237	2.6950996	21	12 26.2	20.7
291663 2006 HL_{67}	17.5	X	165.33775	317.16064	191.36213	2.49635	0.1014589	0.27794362	2.3254031	21	8 19.3	20.8
291664 2006 HE_{69}	16.0	X	349.00299	335.84261	52.28997	15.26606	0.0511902	0.22110325	2.7085652	21	11 10.4	19.4
291665 2006 HN_{69}	16.3	X	314.24063	317.24011	220.75324	13.28583	0.1369268	0.17895535	3.1186951	21	—	—
291666 2006 HS_{69}	17.3	X	61.36459	186.62051	81.09291	6.02240	0.2139752	0.27648904	2.3335517	21	10 17.4	20.4
291667 2006 HU_{69}	15.7	X	171.24737	261.52449	71.76639	19.36684	0.1403796	0.17633588	3.1495047	21	1 27.6	21.0
291668 2006 HV_{73}	15.9	X	264.49202	104.94762	110.43414	4.89704	0.1412557	0.17569132	3.1572030	21	—	—
291669 2006 HV_{74}	16.7	X	201.41865	345.19227	76.59766	7.87012	0.0913162	0.26712604	2.3877667	21	6 3.4	20.2
291670 2006 HV_{75}	16.3	X	188.33820	138.49337	123.25016	8.29077	0.1640420	0.23327347	2.6135199	21	—	—
291671 2006 HB_{79}	16.7	X	180.41380	163.90563	230.22756	4.84131	0.1954784	0.25714519	2.4491597	21	4 7.7	20.6
291672 2006 HJ_{79}	16.5	X	254.44723	345.43575	44.47929	7.62227	0.1110517	0.26972509	2.3724031	21	6 20.0	19.7
291673 2006 HU_{79}	17.0	X	127.52841	123.85463	214.10095	4.08957	0.1613237	0.23452698	2.6041990	21	—	—
291674 2006 HG_{80}	16.8	X	15.55591	243.72114	222.80915	7.22327	0.0643855	0.24176748	2.5519419	21	—	—
291675 2006 HX_{82}	17.3	X	85.85964	232.03808	43.01315	3.88335	0.1319141	0.21726251	2.7403930	21	11 2.8	21.1
291676 2006 HF_{83}	14.7	X	319.81770	19.56981	227.15620	7.76184	0.1951095	0.12493601	3.9628804	21	3 9.2	19.9
291677 2006 HM_{84}	17.5	X	125.21977	353.85854	184.21661	4.71658	0.0320068	0.27306150	2.3530387	21	8 6.2	20.5
291678 2006 HW_{84}	16.1	X	80.84665	170.24139	71.43111	9.66968	0.0943597	0.21067854	2.7971935	21	9 15.6	20.2
291679 2006 HF_{89}	15.0	X	177.93131	200.64662	70.21150	15.87445	0.0735910	0.16998142	3.2275161	21	—	—
291680 2006 HK_{91}	17.5	X	283.19882	339.35508	169.46468	5.84130	0.0750815	0.29839720	2.2178877	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291681 2006 HT_{92}	17.3	X	14.32870	225.35740	104.14293	4.14305	0.1568735	0.27761144	2.3272577	21	10 24.4	19.5
291682 2006 HW_{95}	16.9	X	94.91781	204.39641	34.63364	0.61971	0.0112661	0.21417610	2.7666574	21	9 13.3	20.4
291683 2006 HM_{96}	17.1	X	303.66458	246.01395	55.29226	2.83238	0.2028169	0.25939347	2.4349872	21	4 9.9	20.1
291684 2006 HK_{97}	16.7	X	357.51249	238.28412	17.83184	1.98183	0.0217264	0.19976780	2.8981380	21	5 26.3	20.4
291685 2006 HD_{98}	16.7	X	248.45539	32.21535	32.64489	5.06143	0.0535356	0.21097927	2.7945348	21	8 9.2	20.6
291686 2006 HM_{99}	17.0	X	111.57406	85.91384	184.41221	1.66751	0.0249547	0.22215885	2.6999785	21	11 16.2	20.7
291687 2006 HT_{99}	16.6	X	240.03974	42.67103	54.81016	5.06434	0.0327355	0.21440645	2.7646754	21	9 14.1	20.4
291688 2006 HC_{100}	17.9	X	31.40326	286.70389	222.33909	1.40098	0.1635451	0.25450393	2.4660756	21	2 9.5	20.0
291689 2006 HA_{103}	17.6	X	199.75945	76.37485	111.31344	3.02705	0.0972228	0.28976430	2.2617233	21	11 21.9	20.7
291690 2006 HK_{104}	16.4	X	115.35996	223.13772	120.48165	13.47863	0.3058320	0.22920454	2.6443600	21	—	—
291691 2006 HT_{105}	17.4	X	122.92671	333.28574	220.96914	4.50838	0.1896468	0.27861932	2.3216419	21	9 8.0	21.0
291692 2006 HZ_{107}	16.3	X	100.92601	250.93854	64.61172	11.88494	0.2022986	0.22615037	2.6681148	21	—	—
291693 2006 HB_{108}	16.8	X	160.55876	6.06545	144.80523	4.20023	0.0332886	0.21132374	2.7914972	21	8 13.1	20.8
291694 2006 HF_{110}	16.0	X	152.71175	312.26778	259.62831	23.94097	0.1523972	0.28722684	2.2750243	21	10 25.5	19.9
291695 2006 HL_{111}	16.4	X	151.43072	299.08583	303.55530	6.30763	0.1887818	0.22406268	2.6846625	21	11 26.8	21.0
291696 2006 HK_{116}	16.8	X	140.94559	140.31055	37.31412	4.19591	0.0317976	0.21168810	2.7882931	21	8 26.1	20.7
291697 2006 HP_{116}	17.2	X	230.98123	330.29064	131.89464	0.89444	0.0254464	0.21405088	2.7677363	21	9 7.2	20.9
291698 2006 HR_{116}	17.7	X	112.79672	70.75407	86.44886	2.50453	0.1270628	0.26975514	2.3722269	21	7 4.5	21.0
291699 2006 HP_{117}	16.7	X	353.46672	163.06019	96.59170	6.10095	0.0786773	0.26381327	2.4077143	21	5 19.8	19.2
291700 2006 HV_{152}	18.0	X	246.18871	184.68062	95.17782	3.59292	0.1276100	0.31123120	2.1564893	21	1 8.9	20.9
291701 2006 HA_{154}	17.2	X	325.08599	193.23544	215.01267	4.74277	0.1144775	0.28804660	2.2707059	21	11 15.5	19.0
291702 2006 JM_{2}	16.6	X	163.74283	24.98557	146.62805	4.95638	0.0424584	0.21434889	2.7651704	21	9 14.4	20.4
291703 2006 JQ_{4}	16.1	X	58.66331	280.68079	55.77935	10.29825	0.3255169	0.21981977	2.7190981	21	—	—
291704 2006 JG_{6}	17.4	X	278.52489	43.57457	167.56898	2.58255	0.1632486	0.24290822	2.5439461	21	—	—
291705 2006 JE_{7}	16.4	X	125.65609	286.97617	55.62252	14.39917	0.1323101	0.23624375	2.5915674	21	—	—
291706 2006 JK_{7}	16.0	X	105.83311	159.15084	57.55892	13.97833	0.0918188	0.21240800	2.7819894	21	9 15.7	20.3
291707 2006 JN_{11}	15.2	X	180.17374	80.25209	224.82526	13.98994	0.1889119	0.17331989	3.1859365	21	1 1.4	20.7
291708 2006 JT_{11}	16.8	X	47.24961	194.04629	93.70809	7.26937	0.1104697	0.27695789	2.3309174	21	10 11.2	19.6
291709 2006 JF_{13}	16.9	X	108.18732	25.30961	169.92177	5.17628	0.0901011	0.20870137	2.8148322	21	8 12.2	21.0
291710 2006 JH_{15}	16.3	X	293.16571	253.16112	206.85539	13.27543	0.1567834	0.23049033	2.6345164	21	11 14.6	19.1
291711 2006 JY_{16}	17.5	X	33.43080	215.70173	66.65343	6.08083	0.1606184	0.27306014	2.3530465	21	9 18.7	20.0
291712 2006 JZ_{17}	17.3	X	341.97695	253.19282	69.78575	5.81720	0.2563911	0.26833932	2.3805639	21	7 24.9	18.6
291713 2006 JZ_{18}	16.5	X	85.58850	292.69064	64.52097	13.84653	0.2818744	0.22798862	2.6537537	21	—	—
291714 2006 JL_{20}	15.4	X	149.43340	250.43636	84.36274	16.46499	0.0671224	0.17393727	3.1783932	21	—	—
291715 2006 JL_{23}	16.7	X	35.63874	265.16091	227.73724	6.95900	0.0804416	0.25184542	2.4834000	21	1 25.5	19.7
291716 2006 JQ_{23}	16.9	X	113.49242	246.66550	68.93452	2.56289	0.1442765	0.22939687	2.6428817	21	—	—
291717 2006 JR_{23}	17.6	X	145.17268	81.15967	240.94375	1.50966	0.1652358	0.23555768	2.5965969	21	—	—
291718 2006 JN_{26}	16.3	X	163.48111	335.77615	251.70315	9.58806	0.1972300	0.22481592	2.6786625	21	11 19.4	20.9
291719 2006 JK_{27}	16.5	X	36.71783	208.96052	230.51340	8.79769	0.1066279	0.24023571	2.5627782	21	—	—
291720 2006 JT_{28}	17.6	X	157.24183	171.86611	101.03407	3.08867	0.0693881	0.29647505	2.2274636	21	—	—
291721 2006 JJ_{29}	17.3	X	103.09145	67.39579	191.73963	5.81888	0.0682551	0.28421941	2.2910447	21	11 5.5	20.2
291722 2006 JP_{29}	16.6	X	38.38769	237.43792	67.55962	5.30663	0.0596321	0.21556288	2.7547788	21	10 4.5	20.2
291723 2006 JM_{32}	16.4	X	359.14875	276.55431	173.69334	12.75676	0.1636735	0.23689132	2.5868423	21	—	—
291724 2006 JZ_{33}	17.2	X	109.02937	92.26385	208.92759	4.21420	0.1125809	0.22562835	2.6722286	21	12 27.4	21.3
291725 2006 JQ_{34}	17.2	X	187.21424	88.40064	51.39484	6.07099	0.1003696	0.27948803	2.3168286	21	9 5.2	20.5
291726 2006 JX_{34}	17.0	X	248.19477	53.40636	232.24059	5.15113	0.1029620	0.24833570	2.5067437	21	1 28.1	20.7
291727 2006 JX_{37}	17.7	X	182.44455	89.07740	188.16781	5.73476	0.1600903	0.29989399	2.2105018	21	—	—
291728 2006 JD_{38}	16.5	X	151.94403	70.66655	206.73193	11.49471	0.1362231	0.23100217	2.6306234	21	—	—
291729 2006 JP_{40}	16.5	X	135.41168	216.44097	196.43156	8.44555	0.2041257	0.25440388	2.4667221	21	3 21.4	20.1
291730 2006 JU_{40}	16.5	X	272.42667	54.10323	152.05095	3.65277	0.0565728	0.17595933	3.1539963	21	—	—
291731 2006 JP_{41}	16.0	X	93.13681	86.82807	113.18478	11.61637	0.0660674	0.20606182	2.8388190	21	7 29.1	19.9
291732 2006 JV_{42}	18.1	X	36.55038	133.46522	111.12588	2.06393	0.1447934	0.26882957	2.3776688	21	7 20.6	20.3
291733 2006 JY_{44}	17.8	X	70.58548	99.39475	121.19260	3.16417	0.1455528	0.27262422	2.3555542	21	8 10.9	20.6
291734 2006 JQ_{47}	16.1	X	210.11691	190.31612	65.81566	6.51657	0.1066636	0.23654310	2.5893804	21	—	—
291735 2006 JZ_{47}	16.0	X	113.22183	242.26664	57.25167	15.54131	0.1110267	0.22748694	2.6576538	21	12 29.5	20.3
291736 2006 JR_{49}	15.9	X	114.96536	274.73942	43.73398	13.08597	0.2764659	0.22745112	2.6579328	21	—	—
291737 2006 JT_{49}	17.4	X	106.37167	334.23254	235.71680	3.72797	0.1672327	0.27720883	2.3295105	21	9 10.2	20.9
291738 2006 JF_{50}	16.1	X	146.98394	316.32829	41.42517	2.47034	0.1557920	0.17875873	3.1209816	21	1 31.9	20.9
291739 2006 JC_{51}	17.0	X	310.87371	273.36499	82.88451	3.10606	0.2292330	0.27158028	2.3615867	21	7 5.9	18.9
291740 2006 JZ_{52}	16.8	X	90.92425	125.78591	217.22226	5.26174	0.2209406	0.22871466	2.6481345	21	—	—
291741 2006 JC_{55}	18.1	X	102.36084	48.78945	215.85164	2.17169	0.1773975	0.28274949	2.2989781	21	11 19.2	21.6
291742 2006 JN_{56}	17.1	X	249.53112	77.58335	123.31971	5.41563	0.0720263	0.30098113	2.2051757	21	—	—
291743 2006 JM_{64}	17.6	X	50.66908	13.43943	189.68538	3.44426	0.1354101	0.27135613	2.3628870	21	6 10.5	19.9
291744 2006 JU_{81}	16.5	X	278.10500	233.88577	180.89667	5.12321	0.0689141	0.21300162	2.7768182	21	8 29.9	20.2
291745 2006 KH_{1}	16.0	X	271.37888	318.88536	228.98273	14.84158	0.0813714	0.23656783	2.5892000	21	—	—
291746 2006 KZ_{1}	16.1	X	55.69863	182.94232	40.07293	8.73166	0.2248555	0.20368991	2.8608145	21	8 5.6	19.8
291747 2006 KZ_{2}	16.6	X	237.75172	81.20685	183.94286	7.21972	0.1346387	0.24170843	2.5523575	21	—	—
291748 2006 KD_{3}	15.9	X	211.15547	75.62095	205.50259	8.96382	0.2143025	0.17696878	3.1419910	21	—	—
291749 2006 KM_{3}	17.1	X	198.90918	134.52829	176.42233	3.06295	0.0593040	0.24792604	2.5095044	21	1 8.6	20.6
291750 2006 KC_{4}	15.2	X	166.91707	217.68079	85.40503	14.82420	0.2292498	0.16921378	3.2372698	21	—	—
291751 2006 KF_{5}	16.8	X	124.74946	71.50860	229.29392	3.61442	0.0835829	0.22830810	2.6512774	21	—	—
291752 2006 KV_{5}	17.0	X	51.38976	120.86993	185.76401	0.94041	0.0691550	0.21638307	2.7478131	21	10 23.3	20.4
291753 2006 KZ_{5}	15.0	X	329.59254	168.78278	55.54214	6.44587	0.1751782	0.12335830	3.9965979	21	3 5.7	20.2
291754 2006 KG_{6}	16.8	X	16.84583	93.88879	237.27187	2.86841	0.0742407	0.21428715	2.7657014	21	10 5.9	20.2
291755 2006 KF_{8}	16.3	X	28.71644	247.71028	67.48372	5.45748	0.0978773	0.21269864	2.7794545	21	10 8.8	19.7
291756 2006 KZ_{9}	17.3	X	129.47247	224.15727	71.68043	4.73986	0.1367084	0.29269196	2.2466160	21	—	—
291757 2006 KM_{10}	16.7	X	268.76852	188.42741	61.95775	7.97143	0.0692892	0.24642769	2.5196664	21	1 11.9	20.3
291758 2006 KJ_{13}	16.7	X	195.59199	172.88393	103.16766	13.61863	0.1015417	0.23839074	2.5759838	21	—	—
291759 2006 KC_{15}	15.9	X	129.07558	33.81106	211.33983	12.35423	0.1373503	0.21955029	2.7213226	21	11 10.9	20.3
291760 2006 KA_{16}	16.4	X	193.13445	230.58887	86.76615	11.78142	0.1376128	0.24214640	2.5492790	21	1 16.7	20.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291761 2006 KE_{16}	17.0	X	57.18051	213.16466	101.08374	7.46654	0.1352628	0.28189258	2.3036348	21	12 1.4	20.1
291762 2006 KM_{16}	17.2	X	80.51959	57.65399	203.36200	7.26066	0.1484541	0.28160824	2.3051851	21	10 20.1	20.3
291763 2006 KC_{18}	16.1	X	10.48841	24.22303	120.21923	10.98479	0.1032853	0.18515002	3.0487387	21	1 19.6	19.8
291764 2006 KC_{19}	15.6	X	246.38012	235.84628	119.02994	16.20137	0.2263461	0.19561183	2.9390432	21	4 26.5	20.7
291765 2006 KE_{19}	17.5	X	37.34795	153.91989	127.14107	8.70934	0.2034981	0.27413100	2.3469146	21	10 1.5	20.1
291766 2006 KG_{19}	16.5	X	233.53110	55.57633	176.39247	8.28624	0.1887370	0.23663514	2.5887089	21	—	—
291767 2006 KT_{19}	17.0	X	344.11239	74.83965	198.58330	2.09163	0.1734039	0.26297515	2.4128273	21	5 12.4	19.1
291768 2006 KK_{22}	16.8	X	268.00056	24.08308	178.56977	5.68467	0.0926451	0.23917130	2.5703761	21	—	—
291769 2006 KP_{25}	17.7	X	70.53608	277.07361	40.70245	0.46412	0.2555016	0.28294348	2.2979272	21	12 31.9	21.4
291770 2006 KX_{27}	17.2	X	148.26187	264.00554	58.73628	3.87047	0.0026156	0.23839526	2.5759512	21	—	—
291771 2006 KS_{28}	17.9	X	301.53926	54.42347	64.68581	3.91466	0.1237470	0.29674534	2.2261108	21	—	—
291772 2006 KT_{28}	17.1	X	21.78719	123.56980	228.68413	4.84328	0.1896646	0.28212395	2.3023751	21	12 13.3	19.5
291773 2006 KC_{29}	16.4	X	97.46514	232.79613	149.88058	1.36759	0.1728203	0.17274204	3.1930375	21	1 9.4	20.6
291774 2006 KV_{31}	17.3	X	114.85621	291.37517	354.71123	0.45462	0.1706873	0.22353677	2.6888716	21	12 17.7	21.7
291775 2006 KP_{34}	17.0	X	114.38540	193.94470	172.27307	2.53361	0.1926338	0.23549226	2.5970778	21	—	—
291776 2006 KY_{34}	16.9	X	83.09810	211.85175	223.91145	2.37088	0.0721116	0.24647141	2.5193684	21	1 24.6	20.0
291777 2006 KB_{35}	17.5	X	164.90813	83.91352	79.82265	3.30739	0.0934702	0.27843321	2.3226763	21	9 11.2	20.8
291778 2006 KD_{35}	17.4	X	186.66131	7.81288	71.42442	2.24908	0.1709560	0.26703533	2.3883075	21	6 10.2	21.1
291779 2006 KJ_{35}	16.7	X	162.86545	120.95653	65.95021	4.77543	0.0290826	0.21627374	2.7487391	21	10 4.5	20.5
291780 2006 KO_{38}	17.2	X	204.63975	302.88294	234.38916	19.58727	0.0700203	0.35378621	1.9798948	21	11 28.5	19.2
291781 2006 KE_{39}	17.2	X	3.08084	177.21145	100.71497	4.24007	0.2264644	0.26536346	2.3983283	21	7 5.1	18.2
291782 2006 KP_{41}	16.5	X	162.22021	137.89545	95.08993	13.24136	0.1104546	0.22317805	2.6917521	21	11 29.3	20.8
291783 2006 KF_{42}	17.5	X	239.89074	351.76941	232.44486	5.52642	0.1236748	0.30240246	2.1982606	21	—	—
291784 2006 KW_{43}	16.8	X	239.78199	128.49654	59.88976	6.60662	0.2389920	0.23300703	2.6155119	21	12 9.7	20.5
291785 2006 KY_{46}	16.8	X	83.71054	295.49423	90.78107	5.02838	0.1104878	0.23593059	2.5938601	21	—	—
291786 2006 KR_{48}	17.1	X	33.19222	271.41831	89.63897	6.57800	0.1575133	0.28618007	2.2805685	21	—	—
291787 2006 KQ_{50}	16.7	X	168.18434	157.66161	82.12123	3.31893	0.0484745	0.22686961	2.6624727	21	12 14.7	20.4
291788 2006 KM_{53}	16.4	X	134.83479	143.96788	86.37104	9.60682	0.0856151	0.21838082	2.7310295	21	10 30.3	20.6
291789 2006 KR_{53}	17.2	X	153.22945	301.26882	154.77649	5.03591	0.1923067	0.26459127	2.4029923	21	6 2.6	21.1
291790 2006 KK_{54}	17.7	X	347.67908	272.64269	161.88536	2.83258	0.0506477	0.29385305	2.2406942	21	—	—
291791 2006 KL_{55}	16.4	X	204.31742	234.48374	110.53963	13.28198	0.3214869	0.24365269	2.5387615	21	3 6.6	21.3
291792 2006 KU_{57}	16.9	X	177.01885	12.95422	144.73589	4.98564	0.0216214	0.21270398	2.7794080	21	9 12.7	20.8
291793 2006 KA_{60}	16.8	X	69.02303	79.55086	125.51625	6.44579	0.0583515	0.26731624	2.3866340	21	7 1.3	19.6
291794 2006 KG_{64}	17.0	X	123.76230	177.07305	177.58464	7.47065	0.1858661	0.23587979	2.5942325	21	—	—
291795 2006 KC_{65}	17.2	X	102.61392	204.43453	102.14587	5.99822	0.1731086	0.28333738	2.2957969	21	—	—
291796 2006 KE_{65}	17.6	X	217.33245	47.45841	252.31085	2.70656	0.1073788	0.30345998	2.1931505	21	1 5.9	20.8
291797 2006 KG_{66}	16.8	X	149.34840	137.21639	74.66201	5.73243	0.0352707	0.22022311	2.7157771	21	10 20.7	20.7
291798 2006 KA_{68}	15.9	X	89.19865	175.26213	81.52083	14.73199	0.2364311	0.21310986	2.7758778	21	10 30.9	20.5
291799 2006 KL_{69}	17.0	X	78.27607	45.62228	196.69316	6.11619	0.0897406	0.27590533	2.3368418	21	9 11.2	20.0
291800 2006 KR_{71}	17.4	X	313.28985	36.45375	128.60709	6.03484	0.0955668	0.30532929	2.1841899	21	—	—
291801 2006 KZ_{71}	16.0	X	19.03754	232.39432	226.03822	21.29876	0.0622011	0.23827460	2.5768208	21	—	—
291802 2006 KJ_{74}	16.6	X	124.94571	276.23186	110.73766	12.91806	0.2078352	0.24082659	2.5585844	21	2 10.7	20.2
291803 2006 KH_{75}	15.2	X	222.56882	29.63990	218.31308	20.51176	0.1669750	0.17431890	3.1737525	21	—	—
291804 2006 KE_{76}	16.8	X	222.04158	79.44831	218.03836	3.38671	0.2593620	0.24197999	2.5504476	21	1 17.8	21.3
291805 2006 KX_{80}	17.6	X	104.35801	105.71575	174.80375	5.49967	0.1330934	0.28518206	2.2858861	21	12 9.2	21.0
291806 2006 KV_{83}	16.4	X	169.32433	197.44654	218.57420	8.54067	0.2068134	0.25816566	2.4427015	21	4 26.9	20.2
291807 2006 KG_{89}	12.8	X	301.84494	333.57188	350.03231	23.88754	0.0942594	0.08285654	5.2109654	21	5 28.9	19.8
291808 2006 KK_{90}	16.5	X	144.90439	228.60898	31.84396	9.02745	0.1022736	0.22549617	2.6732728	21	12 12.7	20.7
291809 2006 KH_{91}	16.7	X	172.56120	186.20033	121.42527	9.95901	0.1610559	0.23858488	2.5745862	21	—	—
291810 2006 KN_{91}	14.8	X	72.29878	284.38476	91.81910	22.74279	0.2481246	0.16961775	3.2321277	21	—	—
291811 2006 KK_{94}	16.5	X	329.18767	241.44303	146.79506	4.99863	0.0854846	0.21531200	2.7569183	21	10 11.7	19.8
291812 2006 KC_{95}	17.3	X	246.01504	355.53761	148.25176	2.92862	0.1490456	0.22594988	2.6696929	21	11 3.7	20.8
291813 2006 KD_{97}	17.1	X	324.04842	81.38565	216.70261	1.93795	0.2060167	0.25637898	2.4540370	21	5 6.0	19.3
291814 2006 KB_{98}	16.4	X	49.47615	285.05002	93.41095	14.60909	0.0959064	0.22779988	2.6552193	21	—	—
291815 2006 KP_{99}	16.6	X	215.86559	164.80450	103.32965	5.84341	0.1764747	0.23743431	2.5828968	21	—	—
291816 2006 KS_{99}	17.1	X	228.62868	64.39222	213.89438	6.21304	0.2315413	0.24112221	2.5564928	21	—	—
291817 2006 KP_{100}	16.5	X	139.19566	269.27613	153.86194	14.71215	0.0508959	0.25729403	2.4482151	21	3 23.9	19.8
291818 2006 KY_{104}	15.8	X	85.88002	290.09499	155.78959	15.74983	0.0921174	0.18322510	3.0700544	21	2 26.9	19.8
291819 2006 KO_{116}	17.8	X	20.50246	123.11556	122.26769	1.98932	0.1547818	0.26569724	2.3963193	21	6 19.1	19.7
291820 2006 KN_{117}	17.0	X	169.42007	74.69046	175.86845	12.72290	0.2338562	0.22695921	2.6617719	21	12 20.6	21.8
291821 2006 KU_{118}	17.2	X	83.23237	134.94710	186.33067	2.49506	0.1786643	0.28183650	2.3039403	21	—	—
291822 2006 KB_{121}	16.1	X	197.61913	77.62103	122.24770	13.26957	0.2089079	0.22588532	2.6702016	21	11 19.3	20.7
291823 2006 KH_{121}	16.1	X	201.35824	303.71281	296.00654	11.87120	0.1908173	0.23292932	2.6160936	21	—	—
291824 2006 KH_{133}	16.8	X	355.60250	204.82902	64.80105	6.72608	0.0420780	0.26409534	2.4059997	21	6 7.6	19.4
291825 2006 KL_{143}	17.7	X	122.25501	212.05094	147.07859	4.81158	0.1796771	0.30160267	2.2021451	21	—	—
291826 2006 KZ_{143}	17.6	X	87.18915	90.90589	230.19781	4.48619	0.1650430	0.28850092	2.2683213	21	—	—
291827 2006 LE	16.6	X	256.67510	76.75529	184.81299	27.98980	0.1450150	0.23482098	2.6020249	21	1 6.5	21.3
291828 2006 LF_{2}	16.1	X	233.87748	35.06596	169.20926	14.85727	0.0451199	0.23274897	2.6174448	21	—	—
291829 2006 LO_{2}	17.5	X	52.38597	36.33546	247.70498	5.85468	0.2101381	0.27459849	2.3442502	21	10 22.9	20.6
291830 2006 LP_{2}	15.6	X	123.19143	186.70309	73.98359	15.55906	0.1667545	0.21957198	2.7211435	21	11 25.7	20.0
291831 2006 LX_{3}	16.8	X	132.68028	41.97736	220.05066	9.37432	0.1741601	0.22186730	2.7023432	21	12 4.9	21.3
291832 2006 LO_{4}	15.1	X	70.03050	25.50321	282.97241	21.85114	0.2521739	0.21126711	2.7919959	21	12 10.2	19.7
291833 2006 LP_{4}	15.8	X	146.78506	320.58919	278.21540	15.58104	0.2459390	0.21708206	2.7419114	21	11 17.3	20.8
291834 2006 LQ_{4}	17.4	X	104.59484	140.65754	131.09635	8.54938	0.2050824	0.28381221	2.2932355	21	12 3.2	21.1
291835 2006 LC_{5}	17.2	X	348.21334	196.43879	118.79229	3.35608	0.2209712	0.26328652	2.4109246	21	7 30.4	18.6
291836 2006 LD_{7}	17.3	X	24.59400	210.59761	115.73233	6.73647	0.2375405	0.27173026	2.3607177	21	11 19.0	19.9
291837 2006 MH_{2}	17.5	X	174.70471	144.51933	153.61975	6.22011	0.1052821	0.30079976	2.2060621	21	—	—
291838 2006 MV_{2}	16.7	X	212.91555	186.88845	132.86096	11.07328	0.1846487	0.24384337	2.5374379	21	2 6.5	20.7
291839 2006 MJ_{4}	17.7	X	71.96685	145.55753	152.88779	7.56423	0.2348300	0.28022140	2.3127846	21	12 8.3	21.3
291840 2006 MK_{5}	16.7	X	48.57754	269.71065	190.33167	14.43591	0.0486622	0.24324397	2.5416047	21	1 3.9	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291841 2006 MQ_7	15.6	X	258.33005	252.22128	117.66499	9.76038	0.1077572	0.19057693	2.9905828	21	6 2.9	20.1
291842 2006 MY_7	16.7	X	118.47142	199.46856	130.08745	3.00578	0.0821914	0.22416509	2.6838448	21	—	—
291843 2006 MZ_8	17.5	X	258.90569	61.83828	135.15582	8.14740	0.0708731	0.29285723	2.2457707	21	—	—
291844 2006 ME_{13}	16.9	X	307.62436	18.61195	281.86457	5.35839	0.0927408	0.25424664	2.4677391	21	4 29.9	20.0
291845 2006 MW_{13}	15.7	X	187.21809	206.43567	76.41205	34.16461	0.1788767	0.23088813	2.6314895	21	—	—
291846 2006 MD_{14}	15.8	X	233.13895	225.04021	48.10383	13.24604	0.1599164	0.23797316	2.5789963	21	—	—
291847 Ladoix	17.1	X	15.11216	359.19908	314.24023	4.56461	0.2879458	0.26672825	2.3901402	21	10 16.9	19.1
291848 2006 OY_1	15.6	X	74.69979	335.19273	307.88864	16.46151	0.2028917	0.21007935	2.8025098	21	11 1.4	20.2
291849 Orchestralondon	16.5	X	42.27710	260.38605	121.61188	7.87554	0.2067703	0.21562895	2.7542161	21	—	—
291850 2006 OV_4	17.3	X	338.47435	90.49117	248.81934	1.50028	0.2439308	0.26170690	2.4206162	21	8 12.2	18.8
291851 2006 OZ_5	16.8	X	119.39314	310.45690	310.23172	9.26606	0.1784584	0.28131384	2.3067931	21	11 27.9	20.6
291852 2006 OW_8	17.3	X	284.07039	221.37524	48.13765	1.90434	0.2067055	0.31123890	2.1564537	21	1 28.4	20.3
291853 2006 OM_9	17.9	X	63.08780	359.80546	342.92593	5.45119	0.1876947	0.27847905	2.3224214	21	—	—
291854 2006 OM_{13}	15.1	X	215.46124	16.21292	307.91273	16.68418	0.1414129	0.17258267	3.1950030	21	2 18.3	20.4
291855 Calabr`ocorrado	17.2	X	13.68215	55.08663	285.94172	1.23296	0.2254003	0.26933813	2.3746748	21	11 16.6	19.4
291856 2006 OV_{14}	16.3	X	129.30367	352.32850	323.78849	9.85720	0.2526833	0.22325445	2.6911380	21	—	—
291857 2006 OY_{15}	17.3	X	356.42449	284.56078	15.71421	3.60947	0.2356584	0.26284747	2.4136086	21	7 28.8	18.6
291858 2006 OQ_{16}	16.9	X	4.14772	126.28691	134.99176	7.42425	0.1848145	0.25965456	2.4333547	21	6 9.2	18.9
291859 2006 OG_{18}	15.2	X	209.23935	358.92401	321.18486	14.38912	0.2444230	0.17279871	3.1923394	21	2 11.5	20.8
291860 2006 OZ_{20}	16.3	X	229.70351	276.17732	75.94695	13.60239	0.2095313	0.24208642	2.5497001	21	4 6.8	20.8
291861 2006 PG	15.9	X	11.06289	55.74343	289.55862	10.60781	0.1639702	0.20390918	2.8587633	21	10 19.9	19.4
291862 2006 PX	16.4	X	148.74535	195.79549	131.90536	4.87039	0.1776317	0.22671099	2.6637144	21	—	—
291863 2006 PL_3	16.2	X	69.08729	338.11847	327.41043	9.58732	0.1125896	0.21025194	2.8009759	21	11 14.9	20.3
291864 2006 PH_4	17.4	X	164.39231	215.90068	110.07190	7.04735	0.2103092	0.29517598	2.2339942	21	—	—
291865 2006 PX_4	16.5	X	155.20011	322.88829	320.64786	12.60458	0.2625707	0.22483251	2.6785308	21	—	—
291866 2006 PF_5	17.5	X	28.31549	161.16487	154.56444	2.62431	0.2207383	0.26976966	2.3721418	21	11 5.4	19.9
291867 2006 PT_5	16.8	X	87.72957	200.88583	113.26532	7.78494	0.1502750	0.28042682	2.3116550	21	—	—
291868 2006 PT_7	17.3	X	357.59963	350.03665	351.03067	3.47061	0.1953709	0.26674461	2.3900424	21	10 7.8	19.1
291869 2006 PO_9	18.1	X	9.69199	193.22681	146.50029	2.63125	0.2348861	0.26832233	2.3806644	21	11 10.0	20.2
291870 2006 PA_{10}	17.0	X	9.06031	189.89677	151.24634	6.01535	0.1818053	0.26848250	2.3797174	21	11 3.5	19.3
291871 2006 PT_{11}	17.7	X	177.37163	174.52978	133.18398	5.30334	0.1254103	0.29453176	2.2372506	21	—	—
291872 2006 PE_{12}	17.3	X	34.67365	173.46137	233.84992	2.01914	0.2185606	0.28115746	2.3076484	21	—	—
291873 2006 PF_{12}	17.5	X	27.41500	58.80172	310.10658	4.92016	0.1501595	0.27540770	2.3396559	21	—	—
291874 2006 PL_{12}	16.7	X	173.73310	241.72880	155.08778	14.85479	0.1745087	0.23978538	2.5659858	21	4 10.7	21.0
291875 2006 PW_{15}	17.3	X	187.58934	217.80419	113.65405	5.75206	0.2013280	0.29995455	2.2102043	21	1 23.1	20.7
291876 2006 PO_{17}	16.7	X	227.97082	148.86628	157.96159	8.45193	0.1947762	0.23708961	2.5853998	21	2 3.2	21.1
291877 2006 PB_{18}	17.4	X	153.02198	177.92530	139.96572	4.27894	0.2707386	0.29194732	2.2504346	21	—	—
291878 2006 PU_{18}	17.3	X	329.81187	351.72746	355.52019	2.24858	0.2207834	0.26287388	2.4134469	21	8 6.0	18.8
291879 2006 PW_{19}	17.2	X	20.26108	199.32990	133.12163	3.31887	0.2264214	0.26918822	2.3755564	21	11 17.2	19.6
291880 2006 PQ_{20}	17.6	X	55.61488	13.87735	329.81481	3.89376	0.2112167	0.27871706	2.3210991	21	—	—
291881 2006 PJ_{22}	17.2	X	2.37660	43.42979	249.99109	1.95923	0.1936138	0.26135803	2.4227698	21	7 29.3	18.9
291882 2006 PZ_{22}	16.2	X	153.49393	201.76980	101.26422	15.24048	0.2414954	0.22335410	2.6903375	21	—	—
291883 2006 PF_{23}	17.2	X	23.48756	244.43115	109.90338	3.37224	0.1849164	0.27378567	2.3488876	21	12 15.9	19.8
291884 2006 PC_{24}	17.2	X	7.12240	189.72799	106.04991	4.15914	0.2287878	0.26322438	2.4113041	21	8 21.3	18.7
291885 2006 PE_{25}	17.4	X	336.09494	180.52960	155.79680	1.97448	0.2017195	0.26192288	2.4192853	21	8 4.2	18.9
291886 2006 PG_{26}	17.6	X	36.63282	344.52298	315.24335	1.54129	0.2052300	0.26853601	2.3794013	21	10 21.8	20.3
291887 2006 PM_{26}	17.4	X	34.47148	232.78787	60.92109	2.94673	0.2128772	0.26699012	2.3885771	21	10 12.9	20.0
291888 2006 PC_{29}	16.8	X	162.52834	212.88970	114.37863	7.06966	0.2117298	0.29229134	2.2486684	21	—	—
291889 2006 PQ_{30}	15.9	X	17.52460	243.76583	129.49153	10.09991	0.1816704	0.20863709	2.8154104	21	12 16.6	19.4
291890 2006 PD_{31}	15.8	X	208.44430	193.20587	149.03460	4.31240	0.1371815	0.17333609	3.1857380	21	3 9.7	20.8
291891 2006 PW_{34}	17.2	X	84.44394	121.85811	201.14376	4.23561	0.2540747	0.28146168	2.3059853	21	—	—
291892 2006 PN_{35}	17.1	X	322.77196	21.88482	296.40909	2.70122	0.1958279	0.25817251	2.4426583	21	6 5.1	19.3
291893 2006 PO_{36}	16.6	X	245.70786	239.64088	68.18543	9.19706	0.1785845	0.24249058	2.5468662	21	2 24.5	20.9
291894 2006 PN_{42}	17.0	X	195.39496	210.73021	154.82154	5.15112	0.1742798	0.24087762	2.5582231	21	3 19.5	21.1
291895 2006 QP_1	17.2	X	63.25825	262.90820	79.14953	4.96184	0.1935239	0.27809140	2.3245792	21	—	—
291896 2006 QW_3	16.4	X	110.20407	189.00339	160.64006	2.99566	0.2436940	0.21983953	2.7189352	21	—	—
291897 2006 QY_3	16.4	X	210.46136	350.44292	144.94657	2.70160	0.0157394	0.19925883	2.9030710	21	9 24.6	20.3
291898 2006 QN_4	16.8	X	35.67307	65.18749	272.03236	7.72558	0.2419953	0.27141950	2.3625192	21	12 17.6	19.8
291899 2006 QS_4	17.9	X	282.04883	305.09271	87.25883	2.59451	0.1876601	0.25890679	2.4380377	21	7 19.6	20.8
291900 2006 QU_4	15.9	X	172.77789	77.78870	351.91853	12.88793	0.2929500	0.17562237	3.1580294	21	5 18.4	21.8
291901 2006 QB_8	17.7	X	98.34385	305.45235	17.91203	0.65042	0.2297491	0.28218914	2.3020205	21	—	—
291902 2006 QG_8	17.0	X	135.70526	310.61203	340.37429	6.27588	0.1200475	0.28377437	2.2934394	21	—	—
291903 2006 QM_8	16.2	X	149.02975	175.06045	152.68379	6.57949	0.0225050	0.22520752	2.6755565	21	—	—
291904 2006 QT_9	15.6	X	100.90703	320.16963	346.17191	12.63065	0.2458600	0.21260663	2.7802564	21	—	—
291905 2006 QU_9	15.4	X	256.92528	210.53292	173.95465	24.50343	0.1894797	0.18398665	3.0615769	21	6 10.3	20.6
291906 2006 QK_{10}	16.4	X	196.14404	242.16300	116.56258	14.41481	0.1921310	0.23799886	2.5788107	21	3 16.7	20.9
291907 2006 QU_{10}	18.2	X	236.38920	178.95548	168.92980	7.42843	0.2314899	0.31135159	2.1559333	21	3 25.3	21.7
291908 2006 QM_{11}	15.5	X	233.10255	220.29640	127.56171	11.83957	0.0331347	0.18008466	3.1056432	21	4 19.1	20.2
291909 2006 QP_{11}	17.1	X	35.61819	241.81173	33.99713	2.86757	0.1786261	0.26524290	2.3990550	21	9 12.2	19.6
291910 2006 QU_{11}	15.9	X	108.30541	284.46876	331.39500	19.59213	0.1887764	0.21034260	2.8001711	21	10 27.4	20.8
291911 2006 QV_{11}	15.5	X	206.02349	357.39171	8.87530	5.41900	0.0730762	0.17791853	3.1307995	21	4 4.3	20.3
291912 2006 QK_{15}	16.5	X	162.36321	202.46135	202.98745	4.36789	0.1588369	0.24037736	2.5617712	21	4 5.7	20.6
291913 2006 QL_{15}	16.0	X	25.96567	95.54580	300.17084	8.83623	0.1542942	0.21365967	2.7711137	21	—	—
291914 2006 QD_{17}	17.2	X	128.63717	278.87928	357.94376	6.15854	0.1853541	0.28240472	2.3008488	21	12 27.8	21.0
291915 2006 QQ_{17}	17.0	X	40.24786	302.01515	66.40626	3.68456	0.1879074	0.27789848	2.3256549	21	—	—
291916 2006 QW_{17}	17.1	X	64.50243	291.01624	73.92268	5.75476	0.1936769	0.28167868	2.3048008	21	—	—
291917 2006 QS_{18}	16.4	X	119.05149	1.73620	351.89805	5.73514	0.1956751	0.22308976	2.6924622	21	—	—
291918 2006 QB_{19}	17.2	X	136.67640	347.62590	353.64753	7.55293	0.1647500	0.29119272	2.2543207	21	—	—
291919 2006 QU_{20}	17.1	X	180.18535	201.86416	174.65116	6.44040	0.2638470	0.30161025	2.2021082	21	3 17.0	20.5
291920 2006 QY_{22}	17.4	X	171.68631	19.65069	352.36226	6.08694	0.2473168	0.29912054	2.2143107	21	3 4.3	20.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
291921 2006 QL_{23}	17.0	X	92.87355	187.68332	175.07822	6.49656	0.1258542	0.28488260	2.2874877	21	—	—
291922 2006 QM_{23}	16.9	X	91.96251	61.49281	316.42515	3.97839	0.1745320	0.22074652	2.7114825	21	—	—
291923 Kuzmaskryabin	17.5	X	13.58268	4.27345	315.47956	1.74950	0.1992157	0.26645041	2.3918014	21	10 9.3	19.6
291924 2006 QJ_{25}	16.0	X	70.11217	186.32447	168.10442	12.75593	0.2156366	0.21362715	2.7713949	21	—	—
291925 2006 QD_{26}	17.0	X	178.04644	34.93573	303.12564	2.95130	0.1098860	0.23176050	2.6248819	21	1 26.2	20.7
291926 2006 QM_{26}	16.4	X	132.57720	166.09657	171.13675	5.07915	0.0549020	0.22288440	2.6941159	21	—	—
291927 2006 QH_{27}	16.6	X	128.95800	273.17553	51.93570	6.34097	0.1380249	0.28516110	2.2859981	21	—	—
291928 2006 QS_{27}	16.6	X	231.04511	340.38986	300.89339	4.24218	0.2353851	0.23410064	2.6073599	21	1 7.8	21.0
291929 2006 QG_{28}	16.4	X	169.43670	196.88457	129.40328	6.65214	0.1542080	0.22656022	2.6648960	21	1 7.7	20.4
291930 2006 QQ_{28}	17.9	X	49.05122	339.08403	338.37867	0.72823	0.1915732	0.27209600	2.3586017	21	11 30.6	21.0
291931 2006 QD_{29}	17.2	X	208.05940	299.38563	7.76136	2.00527	0.1982301	0.23360590	2.6110399	21	1 20.4	21.5
291932 2006 QJ_{29}	17.3	X	312.56938	298.76587	30.71071	2.86641	0.2169733	0.25704047	2.4498249	21	5 30.4	19.9
291933 2006 QE_{30}	17.2	X	58.13166	293.95406	79.80845	3.16749	0.2170550	0.28257763	2.2999101	21	—	—
291934 2006 QN_{30}	17.7	X	103.37314	18.69462	356.47601	1.38253	0.2389164	0.28918103	2.2647635	21	—	—
291935 2006 QS_{30}	15.4	X	65.37799	331.28564	358.57378	9.12198	0.1646578	0.21025728	2.8009285	21	12 19.9	19.7
291936 2006 QU_{30}	15.2	X	264.28652	10.45221	349.84945	18.99418	0.2261752	0.18356623	3.0662497	21	5 4.9	20.4
291937 2006 QD_{31}	15.2	X	217.62391	334.77014	15.78389	17.66666	0.2163198	0.17602256	3.1532410	21	3 26.6	20.7
291938 2006 QN_{32}	14.8	X	286.97170	64.95326	316.26166	10.72047	0.3123197	0.12354850	3.9924952	21	6 22.8	20.6
291939 2006 QX_{32}	16.0	X	128.79256	327.43803	317.82018	13.07810	0.1830317	0.21578936	2.7528510	21	12 29.2	20.7
291940 2006 QN_{33}	16.2	X	346.49585	216.81797	153.00981	11.24321	0.1151897	0.20024324	2.8935488	21	10 14.6	19.7
291941 2006 QW_{33}	16.9	X	205.93204	87.95128	219.09328	2.55754	0.2453019	0.23366791	2.6105780	21	1 18.4	21.4
291942 2006 QD_{34}	16.2	X	76.40257	85.31246	253.23294	7.85275	0.1624811	0.21442947	2.7644775	21	—	—
291943 2006 QB_{36}	16.6	X	119.18547	154.84858	196.78613	6.24688	0.2208738	0.22237201	2.6982528	21	—	—
291944 2006 QG_{36}	16.5	X	199.15703	310.45062	358.52448	4.57477	0.2957553	0.23241051	2.6199855	21	1 18.8	21.2
291945 2006 QL_{36}	17.2	X	146.92086	212.17096	78.78105	3.63043	0.1630574	0.28788191	2.2715718	21	—	—
291946 2006 QB_{37}	17.2	X	81.70710	254.20007	25.39135	4.12132	0.1698344	0.27394740	2.3479631	21	11 15.0	20.5
291947 2006 QZ_{38}	16.1	X	148.91672	182.02942	150.40754	9.29682	0.2781519	0.22434025	2.6824476	21	1 7.4	20.5
291948 2006 QV_{40}	17.9	X	121.33228	173.77997	155.86612	4.47434	0.1710316	0.28835120	2.2691065	21	—	—
291949 2006 QG_{41}	17.2	X	30.26370	245.06744	32.55327	3.70162	0.1737574	0.26366613	2.4086100	21	9 4.8	19.5
291950 2006 QM_{41}	17.6	X	309.17062	102.76796	222.93357	6.24127	0.1956149	0.25506328	2.4624689	21	5 23.9	20.4
291951 2006 QP_{41}	15.9	X	106.60083	296.72831	168.83530	27.67538	0.1327860	0.24054717	2.5605654	21	4 23.2	19.7
291952 2006 QL_{42}	17.7	X	323.87200	286.44577	64.82890	2.81295	0.1854220	0.26075062	2.4265308	21	8 3.3	19.8
291953 2006 QX_{42}	16.6	X	206.67752	342.96753	338.64001	10.51818	0.1906782	0.23379814	2.6096084	21	2 6.5	20.9
291954 2006 QC_{43}	17.3	X	199.19677	182.31952	121.71383	3.03841	0.2411993	0.29647396	2.2274691	21	1 1.8	20.9
291955 2006 QR_{43}	16.5	X	130.94224	23.46062	354.26435	11.19566	0.1908987	0.22670910	2.6637293	21	2 7.5	20.4
291956 2006 QM_{45}	17.5	X	276.75026	87.29959	200.71044	2.88921	0.1914340	0.31001394	2.1621305	21	2 13.8	20.8
291957 2006 QT_{46}	16.2	X	34.44115	57.44744	352.80989	10.30438	0.1346657	0.21756560	2.7378473	21	—	—
291958 2006 QL_{47}	16.8	X	217.76023	194.19108	136.43329	11.56967	0.1067037	0.23793620	2.5792634	21	2 26.3	20.7
291959 2006 QJ_{51}	16.9	X	347.89351	179.83331	93.47124	5.69900	0.1771445	0.25674819	2.4516838	21	5 21.7	19.0
291960 2006 QM_{51}	17.2	X	132.83432	113.21043	215.08282	6.16479	0.1652331	0.28976681	2.2617102	21	—	—
291961 2006 QW_{51}	15.8	X	295.96095	339.61486	30.04867	3.57676	0.0962707	0.19327782	2.9626570	21	7 22.5	19.7
291962 2006 QN_{52}	17.2	X	58.17423	176.08540	86.63926	3.24456	0.2046934	0.26671508	2.3902189	21	10 2.9	20.3
291963 2006 QO_{54}	17.5	X	19.87307	322.18239	6.17397	5.26495	0.1664997	0.26768263	2.3844557	21	10 28.3	19.9
291964 2006 QH_{58}	16.7	X	29.38635	72.14400	262.85377	8.27278	0.2574386	0.27036121	2.3686804	21	12 8.6	19.5
291965 2006 QY_{59}	17.0	X	61.62414	199.60890	147.08103	5.15813	0.2645390	0.27604091	2.3360766	21	—	—
291966 2006 QV_{60}	17.4	X	72.42573	232.87735	140.34165	1.95082	0.2249430	0.28331078	2.2959406	21	—	—
291967 2006 QO_{61}	16.6	X	43.37167	319.04660	310.00594	5.12570	0.0848312	0.26225788	2.4172247	21	8 27.5	19.3
291968 2006 QX_{63}	15.7	X	279.79054	8.23109	344.24334	10.73425	0.1099713	0.18397172	3.0617425	21	6 2.9	20.3
291969 2006 QX_{64}	16.7	X	133.85830	208.07316	155.57503	9.35049	0.1363610	0.22758112	2.6569205	21	1 12.9	20.5
291970 2006 QC_{66}	17.3	X	323.71994	280.81159	162.81115	7.06542	0.0634023	0.27729331	2.3290374	21	12 30.1	20.0
291971 2006 QC_{77}	15.4	X	202.95102	138.93205	329.69944	10.61811	0.1269992	0.19048981	2.9914946	21	8 5.1	20.0
291972 2006 QU_{77}	16.0	X	189.18436	224.21987	153.71897	5.60784	0.1968705	0.17307271	3.1889692	21	4 4.6	21.4
291973 2006 QD_{78}	17.1	X	136.65723	184.30582	152.29542	7.31183	0.1083597	0.28960334	2.2625612	21	—	—
291974 2006 QH_{78}	17.4	X	356.80406	247.30861	128.13685	1.92577	0.1997834	0.26853279	2.3794203	21	12 2.0	19.3
291975 2006 QJ_{78}	17.8	X	331.11480	343.97128	355.44367	1.94010	0.2361433	0.25931326	2.4354894	21	7 23.9	19.6
291976 2006 QR_{78}	15.4	X	234.59381	332.14980	21.39843	13.43855	0.2375308	0.17622710	3.1508006	21	4 9.2	20.7
291977 2006 QR_{79}	15.8	X	246.00163	40.53548	306.78251	5.14542	0.1430519	0.18004743	3.1060714	21	4 15.4	20.8
291978 2006 QJ_{83}	17.8	X	29.34647	89.89948	265.21748	0.73477	0.1615432	0.27340114	2.3510895	21	12 21.3	20.6
291979 2006 QT_{83}	16.3	X	219.52483	261.94443	339.17437	6.30950	0.1400990	0.22501749	2.6770627	21	—	—
291980 2006 QM_{86}	16.8	X	161.51500	102.90173	153.49427	8.61183	0.2409444	0.21960397	2.7208792	21	12 20.4	21.7
291981 2006 QH_{88}	16.0	X	90.33720	305.28711	355.41558	3.77229	0.0895091	0.20904910	2.8117099	21	12 2.4	20.1
291982 2006 QN_{88}	17.6	X	2.05161	262.45322	127.70076	2.12589	0.1905620	0.27180888	2.3602624	21	—	—
291983 2006 QN_{95}	17.2	X	57.57266	257.00993	98.60381	4.68024	0.1541707	0.27825765	2.3236532	21	—	—
291984 2006 QC_{96}	16.9	X	33.66581	295.73626	68.04268	7.75742	0.1818503	0.27498210	2.3420694	21	—	—
291985 2006 QZ_{96}	16.9	X	59.36133	145.58908	167.32435	6.74083	0.1179306	0.27158565	2.3615555	21	11 28.4	20.1
291986 2006 QJ_{97}	16.2	X	350.38815	191.09090	202.40241	5.76287	0.0868188	0.20444822	2.8537362	21	11 18.3	19.7
291987 2006 QK_{97}	17.7	X	92.18028	33.70772	266.53097	2.11227	0.1880785	0.27685072	2.3315189	21	12 23.6	21.1
291988 2006 QO_{99}	15.7	X	56.29880	346.26055	34.09054	10.15114	0.1303079	0.21515451	2.7582634	21	—	—
291989 2006 QQ_{100}	17.8	X	269.82318	7.48240	309.73730	3.66669	0.1339590	0.31126869	2.1563161	21	3 21.9	20.7
291990 2006 QO_{104}	17.1	X	9.46417	330.32225	335.35961	5.36530	0.1859046	0.26378618	2.4078792	21	9 5.7	18.9
291991 2006 QR_{105}	16.7	X	266.61206	138.61593	175.02112	8.97752	0.0656879	0.24488315	2.5302501	21	4 1.2	20.1
291992 2006 QB_{107}	17.3	X	37.59854	340.11876	320.88727	11.87018	0.2726947	0.26876428	2.3780539	21	10 31.1	20.5
291993 2006 QY_{107}	17.9	X	100.04812	185.28093	205.13099	2.58284	0.1681794	0.29045629	2.2581296	21	—	—
291994 2006 QO_{108}	17.6	X	32.73821	74.69500	238.07562	1.68333	0.2292492	0.26793568	2.3829541	21	11 7.8	20.2
291995 2006 QX_{111}	17.1	X	48.15356	146.66038	216.92504	6.61627	0.1407031	0.27826481	2.3236133	21	—	—
291996 2006 QO_{112}	17.1	X	44.05582	327.75106	61.48562	6.23530	0.1681466	0.28027207	2.3125058	21	—	—
291997 2006 QJ_{113}	17.1	X	353.56713	98.26634	277.18274	2.54802	0.2015898	0.26857013	2.3791998	21	11 24.8	18.9
291998 2006 QW_{114}	16.1	X	230.22627	353.61037	292.29559	11.46546	0.1943409	0.23418048	2.6067673	21	1 12.8	20.5
291999 2006 QX_{115}	16.2	X	81.78326	86.28995	245.26049	5.09555	0.1454009	0.21297948	2.7770106	21	—	—
292000 2006 QF_{117}	17.0	X	215.68084	190.28199	168.22788	14.99709	0.1753361	0.24094339	2.5577575	21	3 29.4	21.2