Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
144001 2004 AC_5	16.9	X	165.62651	266.51712	126.12754	5.22543	0.1599023	0.29702532	2.2247117	21	3 20.5	20.1
144002 2004 AY_5	15.8	X	195.00176	117.82285	61.49927	4.88359	0.0953809	0.26348901	2.4096893	21	11 1.8	19.3
144003 2004 AS_6	16.2	X	79.84786	257.21587	47.32544	1.91792	0.0553878	0.21163968	2.7887183	21	11 22.2	19.9
144004 2004 AH_7	16.8	X	336.53177	74.62971	40.15889	6.28721	0.1456474	0.27772280	2.3266356	21	—	—
144005 2004 AB_8	16.5	X	307.32172	32.88600	89.73393	3.54359	0.1760245	0.27399152	2.3477110	21	—	—
144006 2004 AB_9	15.9	X	31.33305	356.34389	235.01265	7.10950	0.2497749	0.24182748	2.5515198	21	7 3.1	18.1
144007 2004 AP_9	15.3	X	75.51147	133.26428	266.49686	11.10678	0.0760171	0.22519673	2.6756419	21	—	—
144008 2004 AQ_{10}	16.8	X	164.21907	249.77097	129.21960	6.37504	0.2039630	0.29615669	2.2290596	21	3 4.7	20.1
144009 2004 AX_{11}	15.6	X	8.42836	73.82711	157.80905	6.85448	0.1249542	0.24283009	2.5444918	21	5 6.1	18.2
144010 2004 AG_{22}	15.7	X	219.18406	331.27743	291.27562	4.12400	0.1618275	0.22457570	2.6805724	21	—	—
144011 2004 BT_2	17.5	X	265.00327	169.72896	309.10646	1.56386	0.1654800	0.26728092	2.3868442	21	10 29.6	20.2
144012 2004 BM_3	15.8	X	227.46225	253.39087	314.19752	6.19154	0.0762288	0.27319910	2.3522485	21	—	—
144013 2004 BH_4	16.0	X	357.01028	241.98607	313.67038	4.42863	0.1002287	0.23449878	2.6044078	21	2 22.5	19.1
144014 2004 BM_4	16.6	X	242.53228	108.56213	78.25367	2.39489	0.1356193	0.27138703	2.3627076	21	—	—
144015 2004 BG_6	16.4	X	304.38527	40.81234	135.56419	2.83804	0.0232272	0.22513412	2.6761380	21	—	—
144016 2004 BC_8	16.7	X	37.69144	211.16355	80.98439	6.50542	0.1031046	0.25930998	2.4355099	21	9 29.1	19.6
144017 2004 BS_9	16.4	X	274.31271	343.16848	123.65566	1.97401	0.1386637	0.26636805	2.3922945	21	11 2.2	18.8
144018 2004 BW_{10}	15.9	X	344.86376	302.86337	253.68713	5.54857	0.0773429	0.23388077	2.6089938	21	2 6.7	19.1
144019 2004 BK_{12}	16.8	X	230.78456	261.12047	285.37035	2.74183	0.1146904	0.27039209	2.3685000	21	12 22.1	19.5
144020 2004 BO_{12}	15.7	X	344.13792	252.29810	117.60514	2.97171	0.0336345	0.20594235	2.8399167	21	10 8.5	19.4
144021 2004 BX_{12}	16.5	X	330.95004	227.60315	293.89177	2.10905	0.1664618	0.28210245	2.3024921	21	—	—
144022 2004 BW_{13}	17.0	X	303.77508	97.67554	106.95809	4.82902	0.1467017	0.28330149	2.2959908	21	—	—
144023 2004 BZ_{13}	17.2	X	112.36198	286.42344	142.80507	0.51777	0.1040422	0.29253575	2.2474158	21	2 23.7	19.8
144024 2004 BA_{14}	16.3	X	79.27105	137.64906	320.82421	2.76046	0.0067575	0.23376145	2.6098815	21	2 14.1	19.8
144025 2004 BC_{15}	16.2	X	207.21165	4.67543	41.19796	1.50680	0.0409963	0.24735904	2.5133377	21	5 21.9	19.6
144026 2004 BP_{15}	16.4	X	315.01645	231.19033	158.24031	2.65620	0.1830999	0.26371357	2.4083212	21	9 15.2	18.2
144027 2004 BB_{19}	16.0	X	262.56062	247.41201	71.20081	6.20989	0.0357419	0.24045086	2.5612492	21	4 8.9	19.4
144028 2004 BF_{20}	15.5	X	223.73241	128.85896	34.60201	14.52243	0.1958551	0.26488701	2.4012034	21	10 31.7	19.0
144029 2004 BM_{20}	15.8	X	115.62742	345.21461	67.04243	7.32405	0.1168744	0.23553905	2.5967338	21	2 21.2	19.3
144030 2004 BP_{20}	16.6	X	61.67669	88.26283	333.75831	6.86425	0.0820364	0.28417785	2.2912681	21	—	—
144031 2004 BA_{21}	16.8	X	33.99731	117.26780	292.38718	7.52584	0.1095631	0.27823744	2.3237657	21	—	—
144032 2004 BN_{22}	16.2	X	49.79954	35.75974	306.03940	2.49050	0.2689135	0.27167713	2.3610254	21	—	—
144033 2004 BO_{22}	16.2	X	90.59910	325.69798	305.00162	5.69401	0.1009213	0.26233785	2.4167334	21	11 2.8	19.6
144034 2004 BM_{23}	15.9	X	55.96083	328.10129	131.13911	12.41542	0.0284059	0.22988024	2.6391756	21	1 17.3	19.2
144035 2004 BA_{24}	16.6	X	286.97722	342.36889	117.83034	4.92283	0.1482916	0.26871236	2.3783601	21	11 14.5	18.9
144036 2004 BE_{24}	15.7	X	220.48416	203.40350	117.54058	13.47036	0.1966371	0.23722424	2.5844215	21	2 16.6	20.1
144037 2004 BL_{24}	16.8	X	349.86754	17.74648	121.92253	5.95589	0.1381196	0.28350058	2.2949158	21	—	—
144038 2004 BT_{24}	16.9	X	204.12966	41.07647	184.05435	1.15824	0.1358025	0.27140437	2.3626070	21	—	—
144039 2004 BL_{25}	16.6	X	236.10555	237.50611	288.26466	1.55582	0.1260259	0.26878734	2.3779178	21	11 29.1	19.6
144040 2004 BV_{25}	16.3	X	63.73987	288.22856	130.39314	2.89541	0.0671307	0.22613199	2.6682594	21	—	—
144041 2004 BG_{26}	16.4	X	92.61311	221.13459	221.28480	1.49375	0.0308952	0.23452966	2.6041792	21	2 13.2	19.8
144042 2004 BM_{26}	17.3	X	96.88490	112.41912	301.45850	3.16977	0.1040272	0.28839258	2.2688894	21	1 9.8	19.5
144043 2004 BT_{26}	16.7	X	102.16641	259.55097	112.40743	7.06019	0.1938906	0.28470069	2.2884620	21	—	—
144044 2004 BD_{27}	16.3	X	246.82605	5.06072	153.55616	3.26162	0.0709854	0.26844697	2.3799274	21	12 13.2	19.1
144045 2004 BK_{27}	15.8	X	105.28670	152.36585	3.38871	27.56775	0.1635353	0.24459485	2.5322379	21	7 2.0	20.1
144046 2004 BC_{28}	16.1	X	140.15296	173.66136	60.85168	2.40515	0.1484258	0.26161947	2.4211555	21	11 12.9	19.7
144047 2004 BD_{28}	16.1	X	126.06441	208.13549	1.26508	2.23840	0.1253265	0.25581664	2.4576320	21	9 26.8	19.7
144048 2004 BW_{29}	15.1	X	121.68236	344.95539	326.78109	11.71087	0.0437233	0.21650603	2.7467727	21	—	—
144049 2004 BY_{29}	15.6	X	158.12519	221.91452	115.40289	9.11718	0.1133431	0.22685540	2.6625839	21	1 5.7	19.6
144050 2004 BD_{30}	16.8	X	288.87520	81.23000	13.65829	2.85649	0.1326416	0.26664228	2.3906539	21	11 9.1	19.2
144051 2004 BF_{30}	16.1	X	75.89141	78.02922	17.03426	2.39493	0.0423772	0.23195433	2.6234194	21	2 10.3	19.4
144052 2004 BO_{30}	16.3	X	355.35653	356.01271	4.27702	2.22988	0.2205309	0.26321545	2.4113586	21	11 5.6	18.0
144053 2004 BZ_{30}	15.2	X	41.70963	152.53341	84.68434	3.18345	0.1569328	0.18824947	3.0151820	21	7 19.0	18.7
144054 2004 BM_{34}	16.1	X	117.10826	329.75343	323.28698	6.27637	0.0906132	0.27014013	2.3699725	21	—	—
144055 2004 BR_{34}	16.8	X	308.81171	124.89629	343.98304	2.36692	0.1476006	0.27268746	2.3551899	21	—	—
144056 2004 BH_{35}	16.8	X	250.72132	84.53573	97.09741	3.35535	0.1339320	0.27230680	2.3573843	21	—	—
144057 2004 BJ_{36}	16.2	X	257.08307	199.56902	335.06372	2.20805	0.1130682	0.27268898	2.3551812	21	—	—
144058 2004 BV_{37}	15.0	X	69.95795	81.43328	321.91065	14.41197	0.0204213	0.22250886	2.6971464	21	—	—
144059 2004 BL_{40}	16.7	X	53.66584	105.57770	289.27907	3.98554	0.2242903	0.28003075	2.3138342	21	—	—
144060 2004 BR_{41}	15.8	X	280.77006	205.00616	45.45890	13.46800	0.2535266	0.22860858	2.6489537	21	1 11.5	20.4
144061 2004 BB_{42}	16.6	X	206.31158	160.36734	357.32024	4.93310	0.1304050	0.26088474	2.4256991	21	10 11.7	20.2
144062 2004 BF_{42}	16.9	X	9.20347	80.71424	34.89290	3.25718	0.1748276	0.28158512	2.3053113	21	—	—
144063 2004 BU_{42}	16.6	X	315.76127	152.57709	338.92152	2.06191	0.1670521	0.27501382	2.3418894	21	—	—
144064 2004 BE_{43}	16.8	X	298.31917	189.98968	328.73554	2.29995	0.1350932	0.27575628	2.3376839	21	—	—
144065 2004 BS_{43}	16.5	X	18.92401	39.76522	100.32980	3.47431	0.0570618	0.28572836	2.2829715	21	1 3.6	19.0
144066 2004 BD_{44}	16.1	X	338.88648	19.26283	42.88967	3.24318	0.1527933	0.26907401	2.3762286	21	12 30.5	18.3
144067 2004 BP_{44}	16.2	X	196.40671	239.96324	225.32115	5.39242	0.0851616	0.25242829	2.4795756	21	7 25.3	19.8
144068 2004 BO_{45}	16.1	X	294.31271	208.07570	272.43238	3.96009	0.1675383	0.27383401	2.3486112	21	12 27.5	17.9
144069 2004 BQ_{45}	16.1	X	153.58290	29.08859	116.43392	8.11538	0.0938198	0.25419120	2.4680979	21	8 2.2	19.7
144070 2004 BV_{46}	16.2	X	355.75976	121.87904	284.60588	5.41268	0.1113444	0.27130924	2.3631593	21	—	—
144071 2004 BY_{46}	16.2	X	325.94960	261.48862	148.29588	11.48452	0.1823621	0.26730128	2.3867230	21	11 18.5	18.4
144072 2004 BE_{47}	16.0	X	109.23890	138.85635	151.29442	2.45599	0.0266622	0.21429359	2.7656460	21	12 6.9	19.8
144073 2004 BB_{48}	16.7	X	171.71298	250.41493	114.87269	5.90086	0.1456128	0.29400607	2.2399166	21	2 17.5	19.8
144074 2004 BQ_{48}	16.6	X	89.04082	261.21171	272.01851	0.49954	0.0618977	0.24751053	2.5123121	21	6 15.8	19.5
144075 2004 BS_{48}	16.4	X	271.79318	106.34653	269.47951	0.43917	0.1733574	0.25537164	2.4604862	21	6 14.2	19.8
144076 2004 BY_{48}	16.8	X	169.52013	236.19238	136.73145	4.96845	0.2004166	0.29557471	2.2319847	21	2 28.9	20.1
144077 2004 BJ_{49}	16.6	X	50.97976	209.47157	211.83855	1.14913	0.1154827	0.22619437	2.6677688	21	—	—
144078 2004 BM_{49}	16.7	X	48.77212	119.39370	246.68244	1.23763	0.0746789	0.27319560	2.3522686	21	—	—
144079 2004 BH_{50}	15.6	X	255.67493	337.40629	307.16893	13.62165	0.0896653	0.23420367	2.6065952	21	2 6.9	19.4
144080 2004 BL_{50}	16.4	X	88.67647	269.47770	255.97155	1.63579	0.0304027	0.24590967	2.5232037	21	5 30.2	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
144081 2004 BR_{50}	16.3	X	151.68870	83.01310	151.61268	2.74176	0.1426590	0.26412556	2.4058161	21	11 24.7	19.9
144082 2004 BP_{51}	15.4	X	6.97498	341.23589	341.30379	1.94561	0.0646620	0.20037762	2.8922549	21	9 7.9	19.0
144083 2004 BR_{51}	17.1	X	326.56752	295.26707	141.77385	3.61594	0.1532535	0.27091171	2.3654705	21	12 28.5	19.1
144084 2004 BX_{51}	17.0	X	347.00043	185.34229	268.85327	1.20605	0.1675271	0.27641429	2.3339724	21	—	—
144085 2004 BO_{52}	17.1	X	244.01374	38.00380	124.37486	0.65184	0.1558320	0.26947457	2.3738732	21	12 1.1	20.1
144086 2004 BF_{54}	16.8	X	22.95614	89.06981	337.89194	4.28403	0.1280386	0.27871769	2.3210956	21	—	—
144087 2004 BR_{54}	16.3	X	284.46833	95.39239	90.15655	0.78965	0.1400893	0.27701212	2.3306132	21	—	—
144088 2004 BV_{54}	16.9	X	354.18375	326.76542	91.14965	3.79941	0.1128401	0.27274983	2.3548309	21	—	—
144089 2004 BV_{55}	15.2	X	97.06582	6.05497	301.85786	8.55114	0.1358566	0.21254906	2.7807584	21	12 23.8	19.5
144090 2004 BN_{56}	15.6	X	164.71216	150.73082	311.52865	11.93732	0.0952205	0.24686066	2.5167194	21	6 17.6	19.4
144091 2004 BP_{56}	15.0	X	321.65295	69.97120	151.36041	9.49787	0.0383068	0.17458910	3.1704772	21	2 25.4	19.2
144092 2004 BX_{56}	16.5	X	239.75974	73.29298	156.02169	1.54500	0.2127234	0.27481204	2.3430355	21	—	—
144093 2004 BZ_{56}	16.9	X	310.60973	206.54710	252.54668	0.54249	0.1437177	0.27095028	2.3652460	21	12 28.9	18.9
144094 2004 BC_{58}	16.2	X	254.83843	237.32786	233.13175	5.35255	0.0476924	0.26372337	2.4082615	21	10 21.2	19.3
144095 2004 BO_{58}	16.5	X	284.57658	315.75345	174.32854	4.35359	0.1175533	0.27101152	2.3648897	21	12 26.4	18.9
144096 Wiesendangen	17.4	X	346.66870	261.83237	182.47154	1.16760	0.2181440	0.27609556	2.3357683	21	—	—
144097 2004 BB_{59}	15.5	X	43.57099	307.49877	155.03372	15.05097	0.0858911	0.22921287	2.6442959	21	1 5.2	18.9
144098 2004 BE_{59}	16.3	X	240.97558	296.53628	213.67537	3.90853	0.1624601	0.26658046	2.3910234	21	11 9.3	19.4
144099 2004 BO_{61}	15.9	X	296.78875	324.96827	164.56332	2.73234	0.0099609	0.21718395	2.7410538	21	—	—
144100 2004 BN_{62}	15.8	X	44.87336	228.80944	112.22103	13.47712	0.2445869	0.27127802	2.3633406	21	—	—
144101 2004 BX_{65}	16.1	X	234.36830	176.40961	106.95625	3.54138	0.1755907	0.23127710	2.6285382	21	1 14.1	20.5
144102 2004 BH_{66}	16.6	X	351.17531	232.34837	111.67557	7.18628	0.1360962	0.26159268	2.4213207	21	9 27.6	18.9
144103 2004 BS_{68}	15.6	X	86.85562	175.87073	231.92522	25.72632	0.2252965	0.28841594	2.2687669	21	—	—
144104 2004 BN_{69}	16.0	X	86.14841	164.86874	303.07973	7.28741	0.1671353	0.23519307	2.5992798	21	3 26.6	19.4
144105 2004 BV_{69}	16.6	X	132.21517	114.63318	333.58977	6.70668	0.1333963	0.29925343	2.2136551	21	4 18.6	19.5
144106 2004 BW_{70}	14.5	X	355.78829	275.70782	320.93941	14.78812	0.2056788	0.18089605	3.0963496	21	4 10.1	18.1
144107 2004 BZ_{70}	16.5	X	249.84280	113.60193	358.69219	2.21525	0.1291512	0.26268141	2.4146257	21	10 4.5	19.4
144108 2004 BV_{71}	16.0	X	103.32678	103.33279	233.49638	4.29371	0.0588351	0.21986283	2.7187431	21	—	—
144109 2004 BA_{72}	16.2	X	248.35922	309.59180	259.90660	5.86145	0.0637678	0.27673537	2.3321668	21	—	—
144110 2004 BN_{72}	15.3	X	95.87731	332.59662	258.50391	5.40301	0.0912712	0.25462668	2.4652830	21	9 15.0	18.7
144111 2004 BO_{72}	16.1	X	294.27301	267.47865	171.12729	6.53711	0.0917241	0.26493103	2.4009374	21	11 2.2	18.7
144112 2004 BM_{75}	16.2	X	283.84859	317.34708	203.87223	6.48794	0.1440454	0.27454430	2.3445586	21	—	—
144113 2004 BN_{75}	15.7	X	85.24843	255.26199	241.22280	13.66353	0.0331044	0.24048739	2.5609898	21	4 12.8	19.2
144114 2004 BW_{75}	16.2	X	274.65263	110.55106	94.37067	5.09051	0.0853565	0.27693277	2.3310584	21	—	—
144115 2004 BR_{76}	15.7	X	325.20344	23.34411	248.85470	7.77392	0.0684994	0.24189278	2.5510606	21	4 21.6	18.9
144116 2004 BB_{77}	16.3	X	273.61631	244.33362	127.21017	6.84172	0.1241107	0.25333100	2.4736817	21	6 18.5	19.5
144117 2004 BU_{79}	16.1	X	330.18392	161.02849	253.72109	5.30822	0.1073389	0.26697325	2.3886777	21	11 28.6	18.4
144118 2004 BP_{81}	16.1	X	172.87492	161.59757	83.18511	6.78143	0.0959292	0.27074054	2.3664674	21	12 31.4	19.5
144119 2004 BC_{82}	16.3	X	67.81386	181.21408	152.46003	4.73896	0.0777533	0.21488928	2.7605326	21	12 17.8	20.2
144120 2004 BE_{82}	16.3	X	27.31351	303.72917	198.99763	6.71678	0.0458845	0.28843176	2.2686839	21	1 18.7	18.9
144121 2004 BK_{82}	15.7	X	29.17145	272.24322	169.52945	13.17722	0.0822255	0.22353430	2.6888915	21	—	—
144122 2004 BX_{82}	15.1	X	225.70287	298.00884	356.40934	14.06651	0.0654659	0.22692159	2.6620661	21	1 26.6	19.2
144123 2004 BC_{84}	16.0	X	246.75876	162.75658	134.12913	11.09547	0.0358328	0.23365090	2.6107047	21	2 19.2	19.5
144124 2004 BR_{86}	15.1	X	293.04069	254.38420	335.85900	13.27632	0.0447286	0.22962986	2.6410937	21	1 23.8	18.8
144125 2004 BS_{86}	16.9	X	138.09459	19.12061	339.27191	3.16562	0.1425797	0.28618329	2.2805514	21	—	—
144126 2004 BJ_{88}	15.7	X	160.78158	37.86105	203.11273	5.45500	0.0602507	0.21172470	2.7879717	21	12 5.4	19.8
144127 2004 BM_{88}	15.7	X	84.99990	83.74193	243.81678	4.72796	0.0060383	0.21443659	2.7644164	21	12 21.4	19.6
144128 2004 BW_{88}	16.3	X	221.33361	189.34360	239.69453	5.52882	0.1278129	0.25273997	2.4775367	21	7 2.9	20.1
144129 2004 BA_{89}	16.4	X	230.40912	167.04270	240.24966	5.00635	0.1938538	0.25210869	2.4816708	21	6 9.2	20.3
144130 2004 BM_{89}	16.5	X	309.23861	251.70285	251.94365	4.79968	0.2015644	0.27543542	2.3394989	21	—	—
144131 2004 BN_{89}	15.6	X	308.64918	178.71699	291.70592	7.90558	0.0700522	0.21395385	2.7685730	21	12 26.4	19.0
144132 2004 BO_{89}	16.6	X	250.28208	344.04996	174.91273	5.16189	0.1498865	0.26803277	2.3823786	21	12 6.5	19.4
144133 2004 BT_{89}	15.7	X	188.66090	7.49178	187.54946	7.69689	0.2337708	0.20435059	2.8546451	21	10 30.8	20.6
144134 2004 BZ_{89}	17.1	X	323.02334	289.91380	255.50214	4.57431	0.0998905	0.28335037	2.2957268	21	—	—
144135 2004 BE_{90}	16.3	X	22.48773	281.63274	168.64812	9.16354	0.1822621	0.27996509	2.3141959	21	—	—
144136 2004 BN_{90}	16.5	X	272.52084	261.78942	173.58731	1.32187	0.1733248	0.26171273	2.4205802	21	9 7.7	19.3
144137 2004 BW_{90}	15.6	X	232.47586	276.55821	304.86804	5.34161	0.0413842	0.21783864	2.7355591	21	—	—
144138 2004 BB_{91}	15.5	X	302.93400	184.16772	320.61592	11.87100	0.0748330	0.21695840	2.7429532	21	—	—
144139 2004 BC_{91}	16.9	X	303.49687	17.96964	139.01011	3.99275	0.1603105	0.27535785	2.3399383	21	—	—
144140 2004 BH_{92}	16.2	X	352.22424	119.21826	281.48290	6.47726	0.1391981	0.26884813	2.3775593	21	12 21.9	18.6
144141 2004 BS_{92}	16.1	X	356.58812	351.34719	243.71934	6.95372	0.1524584	0.23886860	2.5725471	21	4 11.3	18.8
144142 2004 BU_{92}	16.0	X	52.68696	188.03012	179.11359	11.43240	0.2610806	0.27512695	2.3412473	21	—	—
144143 2004 BG_{93}	15.5	X	154.56949	325.41724	209.36980	10.61983	0.0792035	0.19850890	2.9103780	21	9 3.2	20.0
144144 2004 BK_{93}	15.8	X	241.10729	47.15619	82.01493	9.15861	0.1336147	0.26063017	2.4272784	21	10 19.9	19.1
144145 2004 BT_{93}	15.8	X	78.01238	14.43639	238.13525	11.81943	0.1617654	0.25270321	2.4777770	21	9 29.9	19.5
144146 2004 BW_{93}	16.6	X	21.99264	296.18054	161.95650	7.04820	0.0780800	0.28065466	2.3104038	21	—	—
144147 2004 BE_{94}	14.8	X	357.24265	34.27946	168.03286	15.03910	0.1881017	0.17637823	3.1490005	21	3 8.3	18.1
144148 2004 BX_{94}	14.9	X	184.28111	57.60812	281.15471	13.77218	0.1643805	0.22883245	2.6472258	21	2 1.9	19.3
144149 2004 BK_{95}	15.3	X	347.10341	230.27340	301.15134	10.91889	0.0968357	0.22602124	2.6691310	21	1 10.2	18.5
144150 2004 BS_{95}	16.4	X	344.14533	269.34284	71.44594	5.28873	0.1337460	0.31490824	2.1396695	21	9 14.9	17.9
144151 2004 BP_{96}	16.9	X	69.42707	281.81107	144.50617	1.71920	0.1872712	0.28625475	2.2801718	21	—	—
144152 2004 BY_{96}	16.1	X	260.10665	50.63984	133.63915	6.90991	0.0791333	0.27329165	2.3517174	21	—	—
144153 2004 BL_{97}	16.5	X	331.39979	268.45605	110.16470	7.98477	0.1869734	0.26408504	2.4060622	21	10 11.4	18.5
144154 2004 BN_{98}	16.1	X	339.18453	215.04712	166.88901	11.16228	0.1347846	0.20199232	2.8768208	21	10 17.9	19.3
144155 2004 BP_{98}	15.6	X	104.06509	4.57302	160.33484	9.46265	0.0740020	0.18608189	3.0385518	21	6 27.3	20.1
144156 2004 BE_{99}	15.1	X	329.72000	322.45016	140.46128	13.38674	0.1113763	0.21393641	2.7687235	21	—	—
144157 2004 BQ_{99}	17.1	X	223.02326	51.43635	89.96455	3.54788	0.1408922	0.25937152	2.4351246	21	10 10.6	20.6
144158 2004 BR_{99}	15.1	X	282.75169	188.85981	149.69180	16.88734	0.0472194	0.18470131	3.0536744	21	6 3.4	19.7
144159 2004 BH_{100}	16.0	X	37.82592	36.25817	264.21471	1.02296	0.0468962	0.20238547	2.8730940	21	9 21.2	19.9
144160 2004 BU_{100}	16.2	X	240.37576	311.64196	323.35566	4.22014	0.1825980	0.22825784	2.6516665	21	1 10.0	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
144161 2004 BP_{101}	15.1	X	329.67145	49.85831	170.98607	22.27401	0.1700468	0.17392005	3.1786029	21	2 15.7	19.3
144162 2004 BA_{102}	16.3	X	212.00415	36.90033	133.64882	2.87244	0.1929439	0.26268167	2.4146241	21	10 30.4	19.9
144163 2004 BV_{103}	16.5	X	316.55384	13.16418	52.72207	3.70766	0.1500717	0.26647268	2.3916681	21	11 18.6	18.5
144164 2004 BY_{103}	15.8	X	160.33384	97.80065	97.74480	6.33882	0.1035666	0.25817160	2.4426640	21	10 17.5	19.5
144165 2004 BZ_{105}	15.7	X	348.74651	81.17334	56.39120	4.66320	0.0319123	0.22554366	2.6728974	21	—	—
144166 2004 BE_{106}	16.2	X	236.44021	48.21646	8.30489	3.64151	0.1444867	0.25424242	2.4677664	21	7 2.2	19.9
144167 2004 BQ_{106}	15.4	X	314.20768	327.93107	314.20223	13.52665	0.0898876	0.24094048	2.5577781	21	4 9.9	19.0
144168 2004 BF_{107}	15.7	X	300.30813	166.68497	4.48921	9.08778	0.1362154	0.22089606	2.7102586	21	—	—
144169 2004 BX_{107}	16.3	X	189.39279	146.63470	63.94751	4.78867	0.1225351	0.26611637	2.3938025	21	12 2.6	19.5
144170 2004 BK_{108}	16.4	X	278.27886	85.89756	42.06011	4.64854	0.1118845	0.26904472	2.3764011	21	12 12.2	18.8
144171 2004 BR_{108}	16.8	X	11.36178	91.57665	62.05991	5.21080	0.1341450	0.28629822	2.2799410	21	1 1.2	19.0
144172 2004 BK_{110}	15.9	X	191.03283	32.26225	106.42987	15.23150	0.0358178	0.25405069	2.4690078	21	9 13.3	19.5
144173 2004 BK_{111}	15.7	X	118.73041	126.13895	351.95807	18.40683	0.1761597	0.24179423	2.5517537	21	5 19.3	19.8
144174 2004 BW_{111}	16.2	X	196.22453	341.24347	80.51149	6.43494	0.1518457	0.24691947	2.5163197	21	5 28.7	20.1
144175 2004 BZ_{111}	15.5	X	22.85102	84.25767	151.09889	2.10131	0.0977533	0.18692385	3.0294206	21	6 8.1	19.1
144176 2004 BN_{113}	14.8	X	15.03948	333.42687	257.04699	8.16367	0.1416687	0.18119343	3.0929608	21	5 20.2	18.3
144177 2004 BV_{113}	15.6	X	281.91395	63.51386	153.37576	5.28626	0.2407091	0.21911321	2.7249404	21	—	—
144178 2004 BD_{114}	16.7	X	264.65736	285.18976	207.31984	1.90915	0.1655474	0.26625104	2.3929953	21	11 18.2	19.3
144179 2004 BO_{114}	16.6	X	203.59589	28.48115	179.79805	4.80810	0.1789895	0.26536551	2.3983159	21	12 9.4	20.2
144180 2004 BP_{114}	14.8	X	69.18606	221.96516	303.37090	12.51510	0.0975685	0.18216808	3.0819188	21	5 13.4	19.2
144181 2004 BT_{115}	15.4	X	172.35956	7.85486	34.15902	13.59089	0.1151596	0.24068713	2.5595727	21	4 11.2	19.2
144182 2004 BX_{115}	16.5	X	282.61542	125.57658	347.20820	4.78084	0.1089160	0.26968740	2.3726241	21	11 27.5	19.1
144183 2004 BC_{116}	16.4	X	16.86366	43.21823	38.77695	5.40388	0.0272728	0.27866423	2.3213925	21	—	—
144184 2004 BZ_{116}	16.2	X	274.10195	9.87742	48.47487	7.13574	0.1105065	0.25924568	2.4359126	21	8 31.2	19.2
144185 2004 BC_{117}	16.0	X	334.59102	135.40361	357.43948	11.40227	0.0343602	0.22205502	2.7008201	21	—	—
144186 2004 BQ_{119}	15.5	X	351.75811	205.71620	48.01658	15.00542	0.1647677	0.23993289	2.5649340	21	5 2.3	17.9
144187 2004 BU_{119}	15.7	X	41.87292	173.92128	28.60802	18.32304	0.1053198	0.24060808	2.5601333	21	5 16.7	18.7
144188 2004 BW_{119}	15.9	X	95.71872	236.73137	221.45855	3.62628	0.2536420	0.23624627	2.5915489	21	4 13.1	19.3
144189 2004 BX_{119}	16.3	X	260.03001	113.50894	81.57833	7.98701	0.1835827	0.27164485	2.3612124	21	—	—
144190 2004 BB_{120}	15.3	X	237.44167	217.90225	38.36179	9.03132	0.0788952	0.22498473	2.6773225	21	—	—
144191 2004 BQ_{121}	15.2	X	159.67954	327.23828	9.75046	28.36486	0.1130459	0.22560957	2.6723769	21	1 15.5	19.8
144192 2004 BT_{123}	16.4	X	173.99948	346.86657	27.11999	5.58188	0.0529290	0.23052746	2.6342336	21	3 5.6	20.2
144193 2004 BY_{123}	15.2	X	321.11543	94.25010	199.30923	13.38536	0.1182370	0.24157729	2.5532812	21	5 11.9	18.2
144194 2004 BA_{124}	16.0	X	284.81917	28.13622	78.01883	8.92098	0.0616660	0.26769679	2.3843716	21	11 28.6	18.7
144195 2004 BV_{127}	16.3	X	170.06256	27.24785	293.02187	2.38718	0.1131728	0.22802376	2.6534810	21	—	—
144196 2004 BX_{135}	16.5	X	263.66562	335.11142	344.15927	3.52009	0.2117634	0.24247118	2.5470021	21	3 19.5	20.4
144197 2004 BZ_{139}	17.3	X	3.10274	216.44582	169.06731	1.34072	0.1785739	0.27066217	2.3669242	21	12 25.4	19.5
144198 2004 BN_{147}	16.3	X	292.87939	172.71250	128.27430	8.89292	0.0786233	0.24413285	2.5354316	21	4 19.5	19.7
144199 2004 BV_{161}	16.4	X	205.04867	23.02696	341.56815	4.56451	0.0762853	0.23823050	2.5771388	21	3 25.1	20.3
144200 2004 CH	15.2	X	68.23245	333.97610	288.11686	7.12683	0.1001606	0.19862435	2.9092501	21	9 16.3	19.3
144201 2004 CO_{1}	15.8	X	90.12623	57.63202	203.86860	2.69493	0.1468772	0.25760499	2.4462446	21	10 28.3	19.3
144202 2004 CR_{1}	15.9	X	322.35492	280.45702	278.39738	2.78749	0.0653870	0.22894265	2.6463762	21	1 14.7	19.5
144203 2004 CD_{7}	15.8	X	203.12429	249.39032	141.35364	15.68244	0.0706862	0.24273279	2.5451717	21	5 2.4	19.8
144204 2004 CF_{7}	15.5	X	345.22635	239.22565	138.32019	7.34233	0.0786497	0.20646140	2.8351550	21	10 22.7	19.1
144205 2004 CS_{7}	16.4	X	38.30233	241.82850	133.52326	3.94565	0.2079865	0.27298518	2.3534772	21	—	—
144206 2004 CB_{9}	16.9	X	315.68446	9.10125	7.96502	2.72313	0.1921615	0.26114093	2.4241124	21	8 26.5	18.8
144207 2004 CT_{9}	16.0	X	264.09504	135.47652	348.15359	5.30356	0.0122084	0.21027653	2.8007575	21	11 15.6	19.8
144208 2004 CS_{10}	15.0	X	51.45441	203.53057	319.48375	15.59679	0.0499848	0.18113627	3.0936115	21	4 4.4	19.5
144209 2004 CB_{12}	15.5	X	64.42785	181.14243	171.43416	6.75753	0.0615485	0.21297142	2.7770807	21	—	—
144210 2004 CH_{12}	16.0	X	58.41454	30.65663	122.49612	2.24984	0.0503965	0.23661623	2.5888469	21	4 4.2	19.2
144211 2004 CM_{12}	16.6	X	284.88495	290.64042	201.35158	1.03900	0.1312075	0.26941233	2.3742388	21	12 27.9	18.8
144212 2004 CS_{13}	15.9	X	305.35583	186.83288	331.66690	3.30409	0.0579603	0.21973489	2.7197983	21	—	—
144213 2004 CD_{14}	15.3	X	44.92617	305.81550	188.29268	0.64434	0.1735274	0.17537019	3.1610561	21	3 8.9	18.7
144214 2004 CE_{15}	16.6	X	110.68184	141.98606	312.17176	4.21211	0.1609163	0.23750488	2.5823852	21	4 11.1	20.2
144215 2004 CJ_{15}	16.1	X	55.77211	321.67831	144.67617	4.34475	0.0707713	0.23004367	2.6379255	21	1 28.6	19.1
144216 2004 CW_{16}	16.0	X	294.08448	314.16588	358.26590	2.25197	0.1755818	0.24122091	2.5557954	21	4 17.1	19.2
144217 2004 CD_{18}	15.5	X	188.28690	139.14823	123.50446	2.78950	0.0413321	0.21785709	2.7354047	21	—	—
144218 2004 CF_{18}	15.8	X	142.86362	271.10307	130.88513	15.46482	0.0399111	0.23382855	2.6093822	21	3 2.8	19.4
144219 2004 CS_{22}	17.3	X	114.82199	73.39209	38.77175	2.23878	0.1019396	0.29862734	2.2167480	21	4 28.7	19.7
144220 2004 CX_{22}	16.2	X	0.08064	51.74444	341.11308	6.52667	0.1044200	0.26937482	2.3744592	21	12 19.3	18.9
144221 2004 CS_{26}	16.9	X	248.08849	162.69364	5.17449	0.51636	0.1340246	0.26832969	2.3806208	21	12 17.4	19.6
144222 2004 CA_{27}	16.6	X	238.23623	66.99079	171.39506	4.15107	0.1484525	0.27526699	2.3404532	21	—	—
144223 2004 CH_{33}	15.9	X	113.84430	180.68606	101.06622	3.35658	0.0651385	0.21082632	2.7958862	21	12 4.1	19.9
144224 2004 CQ_{35}	16.2	X	82.45337	135.72813	344.49799	14.18496	0.1304885	0.23572012	2.5954038	21	3 31.1	19.5
144225 2004 CL_{37}	16.2	X	336.21276	163.66932	275.33286	1.72000	0.1650516	0.27065414	2.3669710	21	—	—
144226 2004 CZ_{37}	16.1	X	341.41035	352.32648	109.67833	11.09397	0.1162376	0.27432700	2.3457966	21	—	—
144227 2004 CU_{41}	15.1	X	180.75634	173.02463	300.69143	7.83402	0.0537844	0.19194844	2.9763203	21	7 19.9	19.4
144228 2004 CN_{43}	16.1	X	335.05534	124.39654	333.73637	2.43785	0.0640863	0.21480496	2.7612550	21	—	—
144229 2004 CU_{49}	16.6	X	288.09358	316.34008	306.88372	2.58950	0.1444180	0.28939998	2.2636210	21	2 2.3	19.7
144230 2004 CA_{51}	16.5	X	210.22762	5.09861	185.45891	4.51695	0.1308371	0.26524930	2.3990164	21	11 29.7	19.9
144231 2004 CV_{52}	15.9	X	155.50985	178.66262	50.85072	3.27108	0.1391434	0.26407858	2.4061014	21	11 21.2	19.7
144232 2004 CN_{54}	16.1	X	183.18575	190.89811	16.03409	3.70928	0.1481740	0.26248379	2.4158375	21	11 18.4	19.8
144233 2004 CO_{54}	16.6	X	304.39707	334.56915	124.29403	3.68693	0.1512609	0.26857096	2.3791949	21	12 14.9	18.5
144234 2004 CO_{55}	16.5	X	292.18981	184.14829	321.83690	1.78144	0.1241585	0.27139848	2.3626412	21	—	—
144235 2004 CP_{58}	16.4	X	322.13457	303.44792	83.53394	5.48829	0.1521539	0.26293461	2.4130753	21	10 3.3	18.6
144236 2004 CU_{65}	16.2	X	49.80921	38.77421	348.56760	5.93068	0.0721319	0.27627730	2.3347439	21	—	—
144237 2004 CA_{73}	16.4	X	62.92760	298.65064	75.28573	3.03441	0.2820553	0.27696525	2.3308761	21	—	—
144238 2004 CJ_{73}	15.7	X	272.81997	192.22561	56.02873	9.65504	0.0903071	0.22616387	2.6680086	21	1 16.2	19.7
144239 2004 CS_{73}	17.3	X	350.22779	24.47462	56.03863	3.30226	0.2011044	0.27585648	2.3371177	21	—	—
144240 2004 CC_{74}	16.7	X	347.31997	256.93059	138.43928	6.56826	0.0928268	0.26629871	2.3927097	21	12 1.2	19.4

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
144241	2004 CD_{74}	16.4	X	133.27003	141.70787	91.04937	2.37280	0.1445351	0.25889444	2.4381152	21	11 4.5	20.1
144242	2004 CE_{74}	15.1	X	337.97109	217.28362	28.06978	1.96220	0.1474550	0.17920231	3.1158292	21	4 4.9	19.0
144243	2004 CA_{76}	16.5	X	87.74680	252.10233	148.52579	6.09340	0.1726180	0.28465222	2.2887218	21	—	—
144244	2004 CW_{76}	15.9	X	210.69685	139.01599	175.63662	2.38651	0.0647115	0.22922462	2.6442055	21	1 29.7	19.7
144245	2004 CU_{78}	15.7	X	140.02771	172.88431	137.68934	3.29064	0.0485668	0.21676126	2.7446161	21	—	—
144246	2004 CZ_{78}	16.2	X	332.51016	303.88452	136.88902	7.21621	0.0351690	0.26858957	2.3790850	21	—	—
144247	2004 CG_{79}	15.6	X	314.30786	304.57598	111.82368	3.22442	0.0558823	0.20544926	2.8444589	21	10 25.9	19.2
144248	2004 CE_{80}	15.6	X	343.30295	19.13141	145.07212	12.30289	0.0206156	0.22518396	2.6757431	21	1 4.9	19.4
144249	2004 CV_{82}	16.5	X	14.94882	60.59931	347.54427	3.16016	0.1316247	0.27263106	2.3555147	21	—	—
144250	2004 CQ_{83}	15.7	X	58.28928	58.72146	158.26375	0.95038	0.0350527	0.18940017	3.0029572	21	6 29.5	19.7
144251	2004 CU_{83}	16.0	X	168.27307	103.20560	161.41720	4.14434	0.0187971	0.21468378	2.7622939	21	—	—
144252	2004 CC_{84}	14.9	X	289.83959	114.01012	153.38439	15.88106	0.0912862	0.17619146	3.1512255	21	3 7.4	19.3
144253	2004 CV_{84}	16.9	X	273.49507	162.33225	293.56111	3.84435	0.0663186	0.26301084	2.4126090	21	10 23.9	19.7
144254	2004 CD_{86}	15.5	X	128.60089	13.19548	331.56975	15.41799	0.1518734	0.22141632	2.7060114	21	—	—
144255	2004 CF_{87}	16.4	X	273.47289	239.09247	174.33758	7.13327	0.2151727	0.25886557	2.4382965	21	7 31.1	19.6
144256	2004 CL_{87}	16.7	X	266.82015	164.79508	332.35915	3.10361	0.1210159	0.26723598	2.3871118	21	12 4.6	19.3
144257	2004 CH_{89}	16.2	X	342.18655	210.15927	122.19659	15.62980	0.1617914	0.25543516	2.4600783	21	8 16.9	18.3
144258	2004 CN_{90}	15.8	X	199.57795	46.94365	225.41556	7.24310	0.1059893	0.21999149	2.7176830	21	—	—
144259	2004 CY_{92}	16.1	X	333.99243	223.05799	58.15085	3.51834	0.0889466	0.24474388	2.5312099	21	5 17.5	18.8
144260	2004 CK_{93}	14.9	X	309.17498	271.66946	337.38611	18.12109	0.1584541	0.17721360	3.1390966	21	2 25.9	19.0
144261	2004 CX_{93}	15.6	X	197.62546	124.37295	154.31890	13.80229	0.0745828	0.22037204	2.7145534	21	—	—
144262	2004 CY_{93}	16.0	X	113.29710	177.65925	304.21838	8.61369	0.1023270	0.24131670	2.5551190	21	5 12.2	19.7
144263	2004 CR_{94}	15.6	X	244.29678	249.73668	211.07649	5.39016	0.0197316	0.20083870	2.8878266	21	9 20.3	19.7
144264	2004 CF_{95}	15.7	X	343.82140	253.92756	182.26394	3.48928	0.0715886	0.21348708	2.7726070	21	—	—
144265	2004 CH_{95}	14.9	X	216.14681	23.86839	346.27585	15.25216	0.1207264	0.23814813	2.5777330	21	4 7.3	19.0
144266	2004 CZ_{95}	16.4	X	321.55911	105.72205	325.31999	6.40464	0.0851230	0.26659106	2.3909601	21	12 5.6	19.0
144267	2004 CE_{96}	15.0	X	220.56311	335.00843	322.58924	10.35828	0.0786142	0.16975005	3.2304481	21	1 30.6	19.9
144268	2004 CG_{96}	14.9	X	155.17917	171.98833	157.33979	15.79072	0.1935323	0.22195392	2.7016401	21	1 2.1	19.3
144269	2004 CJ_{96}	16.9	X	231.55308	338.86661	192.40286	2.12504	0.1266013	0.26590316	2.3950820	21	11 30.5	20.0
144270	2004 CM_{96}	15.8	X	48.96536	109.53242	91.44007	9.94338	0.0663953	0.24149970	2.5538280	21	5 28.6	18.8
144271	2004 CY_{96}	15.2	X	56.55349	34.00619	166.95031	18.22831	0.0859481	0.18537974	3.0462195	21	6 14.4	19.6
144272	2004 CA_{97}	15.7	X	245.51681	98.56275	195.50691	8.97388	0.0623859	0.23287776	2.6164797	21	2 8.8	19.6
144273	2004 CG_{97}	14.5	X	347.38666	226.54582	349.12081	21.43606	0.1658047	0.17344130	3.1844495	21	3 10.9	18.2
144274	2004 CQ_{97}	15.7	X	285.90330	217.17396	8.42254	12.16617	0.0460946	0.22834726	2.6509743	21	1 8.5	19.6
144275	2004 CY_{98}	15.1	X	346.46965	57.53386	166.03866	5.74593	0.0912990	0.17602824	3.1531731	21	3 28.2	19.0
144276	2004 CN_{99}	16.3	X	327.05230	323.47430	134.71610	4.61956	0.1203981	0.27072581	2.3665532	21	—	—
144277	2004 CO_{100}	16.5	X	324.69731	42.82033	56.94663	3.06228	0.1418017	0.27102818	2.3647927	21	—	—
144278	2004 CU_{100}	16.8	X	200.17662	70.76653	74.55408	3.32286	0.1339106	0.25671694	2.4518828	21	9 21.3	20.5
144279	2004 CG_{101}	15.6	X	245.05848	24.78115	183.39157	9.90214	0.1451897	0.21344017	2.7730133	21	—	—
144280	2004 CH_{101}	16.2	X	109.97810	342.29319	177.14733	13.46324	0.0922872	0.24286445	2.5442518	21	6 28.9	20.0
144281	2004 CW_{103}	15.2	X	89.98192	349.29659	194.05894	1.76334	0.1592883	0.18631702	3.0359948	21	7 15.4	19.4
144282	2004 CO_{104}	14.7	X	29.73918	283.79040	298.18846	13.62121	0.0610815	0.18511585	3.0491139	21	5 27.9	18.8
144283	2004 CY_{106}	15.2	X	353.86681	124.55466	313.80681	12.53029	0.1758262	0.21551142	2.7552173	21	—	—
144284	2004 CP_{107}	16.8	X	177.34652	330.09475	201.23211	1.08951	0.1192017	0.25740762	2.4474948	21	9 30.2	20.5
144285	2004 CT_{108}	15.7	X	192.39649	357.29121	310.32989	12.85961	0.1187570	0.22363749	2.6880642	21	1 7.2	19.9
144286	2004 CF_{109}	14.8	X	30.44519	47.16265	174.52545	8.98276	0.0660403	0.18227622	3.0806997	21	5 31.9	18.9
144287	2004 CE_{110}	15.7	X	317.31825	277.66281	310.74743	7.82026	0.0849876	0.22897844	2.6461004	21	2 11.3	19.2
144288	2004 CY_{110}	16.7	X	317.06979	196.56454	258.13847	0.54242	0.1441359	0.26915701	2.3757401	21	—	—
144289	2004 CD_{113}	15.9	X	23.51552	226.82183	353.36125	4.82521	0.1545744	0.24187568	2.5511809	21	5 15.5	18.4
144290	2004 CO_{116}	16.4	X	243.17090	200.55257	256.31658	6.04383	0.0664419	0.25997961	2.4313260	21	9 10.4	19.7
144291	2004 CS_{116}	15.6	X	199.33276	1.81525	253.94867	6.47621	0.1765392	0.21676517	2.7445831	21	—	—
144292	2004 CX_{116}	17.1	X	151.64151	117.52799	101.94969	2.58207	0.1282315	0.26146410	2.4221145	21	11 5.8	20.7
144293	2004 CH_{121}	15.8	X	280.37290	318.01998	280.07469	12.80709	0.0636618	0.22714253	2.6603395	21	1 12.4	19.6
144294	2004 CQ_{121}	16.5	X	339.34263	201.99264	134.53939	6.90675	0.1283690	0.25340040	2.4732301	21	8 17.2	18.7
144295	2004 CK_{128}	17.0	X	204.16427	327.90132	251.03231	1.19783	0.1386209	0.27010352	2.3701867	21	12 28.4	20.3
144296	Steviewonder	16.0	X	219.86915	289.47507	263.27198	6.53884	0.1503764	0.26530055	2.3987075	21	12 10.4	19.3
144297	2004 DS	16.7	X	80.37876	73.04877	12.03714	4.63500	0.1817403	0.28897485	2.2658406	21	2 8.8	18.5
144298	2004 DY	15.2	X	235.84465	167.48491	345.28387	24.53931	0.2971406	0.26447727	2.4036828	21	10 7.7	19.3
144299	2004 DA_{3}	15.8	X	236.39024	216.85740	147.55561	15.65423	0.1385966	0.24165094	2.5527624	21	4 30.5	20.0
144300	2004 DC_{3}	16.5	X	176.30585	226.97686	346.78189	2.66994	0.0810510	0.26293387	2.4130799	21	11 24.6	19.8
144301	2004 DK_{4}	16.5	X	324.62487	29.48040	99.59881	5.87270	0.1748298	0.27432225	2.3458236	21	—	—
144302	2004 DV_{4}	16.1	X	359.78665	232.09971	12.83355	3.48029	0.1420578	0.23946683	2.5682609	21	5 5.1	18.7
144303	Mirellabreschi	16.5	X	132.46106	254.06159	164.53564	11.88638	0.0603915	0.23482175	2.6020192	21	3 11.5	19.9
144304	2004 DS_{7}	16.2	X	167.75330	182.51687	157.15232	4.49759	0.1945664	0.22603772	2.6690012	21	1 24.8	20.6
144305	2004 DT_{8}	16.5	X	158.51406	215.46169	354.62893	1.70205	0.1630617	0.25861822	2.4398510	21	10 29.5	20.4
144306	2004 DC_{11}	16.3	X	305.07005	37.29019	73.99746	3.11477	0.1451893	0.26920230	2.3754736	21	—	—
144307	2004 DL_{11}	16.5	X	36.37689	278.86283	299.30900	2.98530	0.1245563	0.24059409	2.5602326	21	6 6.3	19.1
144308	2004 DV_{11}	16.7	X	304.38281	124.95026	323.53602	0.96184	0.1469815	0.26682273	2.3895759	21	11 28.2	18.8
144309	2004 DR_{12}	16.9	X	359.66698	330.00060	142.80003	6.11272	0.1408896	0.27734436	2.3287515	21	—	—
144310	2004 DZ_{12}	16.0	X	78.30483	345.90866	133.25024	8.53771	0.1483025	0.23318057	2.6142141	21	4 4.4	19.2
144311	2004 DJ_{14}	15.7	X	285.79453	114.70446	52.85773	2.46295	0.0673398	0.21480145	2.7612851	21	—	—
144312	2004 DO_{14}	17.1	X	290.33499	108.67499	345.46011	2.25717	0.1502900	0.26519372	2.3993516	21	11 7.8	19.4
144313	2004 DW_{15}	14.8	X	233.88894	206.65188	143.55173	15.90620	0.1937431	0.23575932	2.5951162	21	4 6.9	19.3
144314	2004 DF_{16}	16.5	X	236.79559	50.28477	153.26717	2.85020	0.1733172	0.26829015	2.3808547	21	—	—
144315	2004 DM_{16}	15.7	X	136.07427	277.78076	165.63098	16.54322	0.1776730	0.23604360	2.5930321	21	5 3.9	19.9
144316	2004 DX_{16}	16.8	X	34.11545	96.43316	333.62582	3.81941	0.1986238	0.27944220	2.3170819	21	—	—
144317	2004 DT_{17}	14.7	X	28.09841	210.89190	275.70439	9.58738	0.0669230	0.17122320	3.2118923	21	1 25.8	19.1
144318	2004 DL_{18}	16.7	X	305.63432	226.86361	270.73499	5.32078	0.1610260	0.27288629	2.3540458	21	—	—
144319	2004 DR_{18}	15.6	X	288.80626	88.18285	95.21451	3.47892	0.0766126	0.21745086	2.7388104	21	—	—
144320	2004 DS_{18}	16.4	X	121.39740	321.27537	163.93041	5.75345	0.1046548	0.24008047	2.5638827	21	5 31.0	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
144321 2004 DJ_{19}	15.9	X	87.50301	346.06133	138.09899	6.03272	0.0539063	0.23699474	2.5860896	21	4 8.7	19.2
144322 2004 DK_{20}	16.3	X	323.94696	206.09900	277.33673	6.65505	0.0702681	0.27315730	2.3524885	21	—	—
144323 2004 DN_{20}	15.9	X	163.01035	323.27495	271.63474	5.70136	0.1098271	0.26260678	2.4150832	21	12 6.0	19.4
144324 2004 DO_{20}	16.2	X	288.90327	61.16367	55.07649	2.77938	0.1727910	0.26796744	2.3827658	21	12 6.8	18.2
144325 2004 DX_{20}	16.3	X	351.13179	85.72604	30.28740	6.30655	0.0905916	0.27646590	2.3336819	21	—	—
144326 2004 DZ_{21}	16.3	X	352.33934	31.73618	116.18180	6.56092	0.0981311	0.28029139	2.3123996	21	—	—
144327 2004 DD_{22}	16.2	X	226.59298	89.68437	74.07077	3.84181	0.1227067	0.26285793	2.4135446	21	11 14.6	19.3
144328 2004 DU_{22}	16.8	X	340.94346	39.60115	100.87827	3.88939	0.1135148	0.27821040	2.3239162	21	—	—
144329 2004 DD_{23}	15.0	X	139.97591	270.72468	150.45991	14.99253	0.1061147	0.23251309	2.6192148	21	4 2.3	18.9
144330 2004 DE_{24}	16.5	X	55.16184	208.77997	270.42974	5.79309	0.1513636	0.28720046	2.2751636	21	2 2.2	18.4
144331 2004 DR_{24}	16.2	X	285.92429	315.08710	178.85051	6.02524	0.0646210	0.26794155	2.3829194	21	—	—
144332 2004 DV_{24}	16.5	X	229.65568	186.38562	171.13588	55.89563	0.2897958	0.58064833	1.4229641	21	3 7.1	17.9
144333 Marcinkiewicz	15.6	X	136.76151	348.50357	8.15817	13.01508	0.1503196	0.22348271	2.6893052	21	1 14.3	19.7
144334 2004 DM_{26}	16.1	X	114.74771	29.08267	358.31587	5.69015	0.0316065	0.22633307	2.6666788	21	1 6.1	19.6
144335 2004 DS_{28}	16.1	X	31.41898	65.82953	352.16514	5.38633	0.0827899	0.21823853	2.7322164	21	—	—
144336 2004 DE_{30}	14.6	X	245.96328	307.75499	339.51863	15.02217	0.1243846	0.17113159	3.2130385	21	2 11.4	19.7
144337 2004 DG_{30}	16.6	X	270.86285	117.44256	16.33402	3.39190	0.0821874	0.26709412	2.3879570	21	12 11.9	19.4
144338 2004 DO_{30}	15.0	X	1.26022	22.67883	344.45861	14.90598	0.1514431	0.20510361	2.8476538	21	10 29.2	18.5
144339 2004 DY_{31}	15.3	X	140.57389	289.93449	162.33099	10.01100	0.0754164	0.18041102	3.1018968	21	5 12.3	20.0
144340 2004 DG_{32}	16.5	X	198.35246	335.20305	242.48464	4.29334	0.1455372	0.26718758	2.3874001	21	12 19.1	19.9
144341 2004 DS_{32}	16.3	X	21.40387	196.73306	54.12420	2.01083	0.0902495	0.24344129	2.5402310	21	6 25.3	18.9
144342 2004 DW_{32}	15.9	X	17.52690	95.96650	136.90742	6.77478	0.0622948	0.23995320	2.5647893	21	5 23.9	19.0
144343 2004 DM_{33}	16.4	X	182.49290	164.45889	36.15617	2.03644	0.1185343	0.26051006	2.4280244	21	11 12.2	19.7
144344 2004 DQ_{33}	16.5	X	327.60787	295.06085	139.76731	7.39512	0.1156520	0.26646390	2.3917207	21	12 23.9	18.9
144345 2004 DJ_{34}	15.9	X	119.99957	61.56447	355.32556	9.60195	0.0867618	0.23160392	2.6260649	21	2 27.3	19.3
144346 2004 DH_{35}	16.0	X	174.86061	326.59408	227.54356	5.53309	0.0787001	0.26038821	2.4287818	21	10 28.8	19.4
144347 2004 DO_{36}	15.8	X	271.87116	283.90308	187.14293	8.10054	0.0096794	0.20611646	2.8383172	21	11 12.5	19.7
144348 2004 DR_{36}	16.8	X	231.95100	249.29735	284.34236	1.27508	0.1504861	0.26528693	2.3987895	21	11 29.9	20.0
144349 2004 DU_{36}	14.8	X	222.60395	18.54593	335.29176	15.17457	0.1322195	0.23495765	2.6010158	21	3 24.4	19.1
144350 2004 DV_{36}	16.0	X	338.56010	257.16841	277.91885	2.75175	0.2078951	0.22475621	2.6791370	21	—	—
144351 2004 DY_{36}	16.5	X	122.54782	134.16465	4.56942	6.03191	0.1373300	0.24299464	2.5433429	21	6 22.2	20.3
144352 2004 DY_{37}	15.2	X	72.65269	85.17375	158.52980	10.80870	0.0469307	0.19108782	2.9852500	21	8 24.2	19.2
144353 2004 DY_{39}	16.9	X	151.81043	58.46394	173.12201	1.17011	0.1505304	0.26029016	2.4293917	21	11 20.0	20.8
144354 2004 DB_{41}	14.7	X	17.46430	74.65126	119.30932	6.57013	0.1256642	0.17515294	3.1636695	21	4 9.4	18.5
144355 2004 DH_{41}	14.6	X	320.93434	51.92050	189.97938	9.48792	0.1815181	0.17125807	3.2114564	21	2 28.3	18.9
144356 2004 DJ_{41}	15.0	X	144.18537	112.10727	147.81976	14.03685	0.1258815	0.20495823	2.8490002	21	12 11.2	19.8
144357 2004 DB_{42}	16.2	X	77.16160	259.41862	302.08657	2.24813	0.1147776	0.24366918	2.5386470	21	7 17.6	19.3
144358 2004 DD_{42}	16.2	X	105.72469	66.81192	115.56511	2.22937	0.0698007	0.24569567	2.5246686	21	7 22.6	19.6
144359 2004 DJ_{42}	16.0	X	146.14434	157.38900	330.53785	14.93139	0.0699215	0.24527284	2.5275693	21	7 1.0	19.8
144360 2004 DF_{44}	14.6	X	304.20168	252.53065	6.78654	25.62272	0.2352231	0.17118011	3.2124313	21	3 4.2	19.4
144361 2004 DV_{44}	16.8	X	2.45105	317.69956	201.63231	10.91357	0.1938343	0.28528594	2.2853312	21	—	—
144362 2004 DG_{45}	15.4	X	21.39945	21.06576	160.25005	16.77475	0.0315763	0.17853786	3.1235551	21	3 28.2	19.7
144363 2004 DX_{46}	15.1	X	21.30450	289.97403	303.65367	8.52006	0.0302462	0.18444635	3.0564879	21	5 29.8	19.3
144364 2004 DE_{47}	15.5	X	115.57136	126.71436	205.26995	6.56201	0.0344631	0.21505146	2.7591446	21	—	—
144365 2004 DN_{47}	16.2	X	47.35013	359.48192	201.14777	7.15366	0.1037591	0.23996940	2.5646738	21	5 29.5	19.1
144366 2004 DA_{48}	15.5	X	248.05535	249.11390	199.82502	1.69041	0.0273609	0.19767098	2.9185969	21	9 9.4	19.6
144367 2004 DG_{48}	15.5	X	96.79115	190.71086	357.77980	1.44988	0.1837572	0.18721567	3.0262717	21	8 2.6	20.1
144368 2004 DK_{48}	16.8	X	261.51075	334.01942	168.96654	3.07271	0.1680663	0.26585108	2.3953948	21	11 27.9	19.4
144369 2004 DW_{48}	15.8	X	305.04544	216.12051	311.37336	2.41029	0.0541509	0.21852017	2.7298683	21	—	—
144370 2004 DH_{49}	16.8	X	218.77960	0.80650	202.95164	0.49155	0.1240624	0.26670698	2.3902673	21	12 27.3	19.9
144371 2004 DJ_{49}	15.6	X	40.54883	79.49049	343.01055	4.49681	0.0360960	0.21787889	2.7352222	21	—	—
144372 2004 DN_{51}	16.7	X	296.20577	313.25892	140.90461	4.10890	0.1528280	0.26501834	2.4004100	21	11 21.1	19.0
144373 2004 DX_{52}	16.1	X	305.55514	55.90954	61.42616	7.19121	0.1289861	0.26830560	2.3807634	21	—	—
144374 2004 DF_{55}	16.7	X	343.37475	245.08027	37.83876	0.05137	0.0766836	0.24416392	2.5352165	21	6 6.2	19.3
144375 2004 DL_{56}	15.7	X	103.85791	123.12833	157.19788	15.20647	0.1429037	0.20529854	2.8458509	21	11 29.7	20.4
144376 2004 DR_{59}	15.7	X	127.90252	283.26254	46.45494	6.39839	0.0538988	0.21575838	2.7531145	21	—	—
144377 2004 DW_{59}	17.6	X	86.99612	234.29957	193.47202	1.65678	0.1930112	0.28713549	2.2755068	21	1 25.9	19.6
144378 2004 DK_{60}	16.0	X	337.27875	186.80278	245.33460	0.75315	0.0732877	0.21201543	2.7854224	21	12 18.8	19.4
144379 2004 DW_{60}	15.2	X	305.77094	78.66632	160.46836	9.25412	0.0327839	0.17398392	3.1778250	21	2 27.7	19.5
144380 2004 DC_{61}	16.7	X	66.83668	178.16609	330.85911	1.92175	0.0970449	0.23684190	2.5872021	21	4 14.9	19.8
144381 2004 DK_{61}	15.8	X	212.25015	188.55428	157.84135	13.22986	0.1740165	0.23376817	2.6098315	21	3 11.7	20.0
144382 2004 DZ_{62}	16.5	X	138.35931	201.98115	128.63914	6.27658	0.1168428	0.21978670	2.7193709	21	—	—
144383 2004 DK_{65}	17.0	X	206.59272	182.46025	12.24617	1.13343	0.1211988	0.26434146	2.4045060	21	11 30.9	20.4
144384 2004 DZ_{65}	16.4	X	274.37460	106.95964	99.85395	1.98923	0.0983515	0.21928137	2.7235471	21	—	—
144385 2004 DJ_{69}	15.2	X	54.23037	9.15368	335.16839	6.97953	0.1248552	0.21239086	2.7821390	21	12 20.6	19.2
144386 Emmabirath	17.5	X	100.91724	333.13760	73.96357	1.11505	0.1705706	0.28746577	2.2737635	21	1 17.4	19.5
144387 2004 DT_{71}	15.5	X	229.39171	211.86967	114.64636	15.42818	0.1140698	0.23032755	2.6357576	21	3 9.0	19.8
144388 2004 DD_{72}	15.5	X	273.68842	127.51242	164.82386	3.35395	0.2114986	0.17447763	3.1718275	21	3 4.4	20.5
144389 2004 DT_{72}	16.2	X	285.29393	99.38212	173.05354	5.26859	0.1142155	0.23119954	2.6291260	21	2 23.3	20.0
144390 2004 DK_{75}	17.0	X	1.19354	175.22128	227.49001	2.00210	0.2025971	0.26987012	2.3715531	21	—	—
144391 2004 EK	15.8	X	277.68108	253.01238	196.21696	1.45713	0.0295418	0.20343414	2.8632119	21	10 19.0	19.6
144392 2004 EO_{1}	15.5	X	151.73104	259.08561	112.16909	6.52352	0.0278202	0.22692388	2.6620482	21	1 31.1	19.1
144393 2004 EW_{1}	16.3	X	319.22495	154.40107	99.98851	1.48512	0.1065884	0.23299631	2.6155922	21	3 17.7	19.4
144394 2004 EO_{2}	16.0	X	358.29654	216.53733	270.66432	2.64395	0.0458614	0.22119681	2.7078014	21	—	—
144395 2004 ER_{2}	16.0	X	39.97967	66.96364	88.15299	3.07092	0.0647411	0.22922537	2.6441998	21	3 12.8	19.1
144396 2004 EG_{3}	15.2	X	39.72247	308.87889	133.42768	14.96433	0.1171515	0.22233122	2.6985828	21	—	—
144397 2004 EP_{3}	15.8	X	171.90558	64.53338	86.41428	10.90779	0.0903001	0.25225235	2.4807285	21	9 3.5	19.6
144398 2004 EY_{4}	15.7	X	45.16615	231.05791	136.44557	3.79820	0.0606404	0.20916119	2.8107053	21	12 28.3	19.5
144399 2004 ES_{6}	15.7	X	48.56776	26.51643	228.35818	1.97186	0.1933111	0.18790552	3.0188604	21	8 27.2	19.4
144400 2004 EZ_{6}	17.1	X	4.54077	258.25964	215.05860	1.39921	0.1859845	0.27831552	2.3233311	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
144401 2004 ED_{7}	16.4	X	336.36035	25.97510	169.78122	3.24067	0.0919364	0.22664733	2.6642132	21	1 25.7	19.9
144402 2004 EG_{7}	15.5	X	23.84243	81.20692	139.82740	1.78938	0.1216131	0.17943428	3.1131432	21	5 23.3	19.2
144403 2004 EH_{7}	16.2	X	146.28813	308.29584	154.77881	5.73124	0.1512783	0.24168080	2.5525521	21	6 3.1	20.2
144404 2004 EK_{7}	16.4	X	295.83602	56.20500	164.29417	5.39836	0.1126978	0.22287015	2.6942307	21	1 3.9	20.4
144405 2004 EP_{7}	14.8	X	247.56009	157.84763	166.18269	9.75360	0.0656349	0.17481686	3.1677228	21	3 31.5	19.4
144406 2004 EQ_{8}	15.8	X	156.21489	84.20093	7.08423	9.92818	0.0530495	0.23913321	2.5706490	21	5 18.1	19.5
144407 2004 EV_{8}	15.6	X	287.00946	164.35719	61.17559	15.75466	0.1369425	0.22013393	2.7165105	21	—	—
144408 2004 EZ_{8}	14.6	X	344.96578	18.97585	248.49586	7.94033	0.0359996	0.18044247	3.1015363	21	5 24.4	18.8
144409 2004 EC_{9}	15.8	X	119.44393	306.73618	195.00821	9.70314	0.0860268	0.23961023	2.5672361	21	6 16.6	19.5
144410 2004 EF_{9}	15.6	X	191.15331	352.21459	185.87253	6.58927	0.1432160	0.19906285	2.9049761	21	10 16.5	20.1
144411 2004 EW_{9}	16.5	X	134.42877	8.18173	288.82536	8.79108	0.5335761	0.37115922	1.9176200	21	—	—
144412 2004 EH_{10}	15.5	X	184.89129	176.65370	167.29690	8.81281	0.1525271	0.22737050	2.6585610	21	2 10.9	19.8
144413 2004 EF_{11}	16.6	X	48.98911	68.32102	6.94523	9.02919	0.1832366	0.28185343	2.3038480	21	—	—
144414 2004 EM_{11}	14.6	X	19.68114	122.58594	139.51383	11.40630	0.1309138	0.18651588	3.0338366	21	7 11.3	18.3
144415 2004 ES_{11}	15.3	X	189.31591	232.57229	27.03018	12.84417	0.1292870	0.21258413	2.7804525	21	—	—
144416 2004 EZ_{11}	16.9	X	20.04636	103.73691	327.97655	5.05237	0.1625500	0.27646888	2.3336652	21	—	—
144417 2004 EU_{12}	15.7	X	40.60504	216.67325	30.10335	5.09726	0.1719535	0.18631750	3.0359896	21	8 3.1	19.4
144418 2004 EF_{14}	16.4	X	206.89196	101.73732	84.81581	5.43241	0.1369269	0.26197415	2.4189697	21	11 19.8	19.9
144419 2004 ER_{14}	14.9	X	214.29092	151.02136	24.11280	15.51391	0.0760340	0.20474425	2.8509848	21	11 7.8	19.2
144420 2004 ET_{14}	16.1	X	291.26941	146.01955	85.18225	6.01909	0.2311977	0.22248621	2.6973294	21	—	—
144421 2004 EU_{16}	14.8	X	287.60311	205.34132	72.62415	5.84868	0.1135139	0.17214532	3.2004121	21	3 16.9	19.5
144422 2004 EL_{18}	15.4	X	116.49464	299.72527	148.15996	13.71692	0.1253372	0.23193036	2.6236002	21	4 12.3	19.2
144423 2004 ET_{18}	15.4	X	33.59873	143.31110	158.04038	11.27518	0.1095095	0.19575458	2.9376142	21	9 26.5	19.1
144424 2004 EU_{19}	15.7	X	147.81805	186.28565	173.43922	6.82483	0.0723122	0.22418903	2.6836537	21	1 16.4	19.5
144425 2004 EH_{20}	16.1	X	22.44681	274.22541	226.91045	1.49668	0.0353487	0.22729748	2.6591304	21	1 25.8	19.6
144426 2004 EG_{23}	14.9	X	313.95883	302.46925	0.69262	16.59668	0.0998117	0.18199212	3.0839050	21	5 13.5	19.3
144427 2004 EC_{26}	15.9	X	7.85287	147.80234	86.37106	6.86012	0.0961802	0.24008826	2.5638273	21	5 9.3	18.7
144428 2004 EC_{27}	16.2	X	110.00316	102.43400	31.20807	3.04327	0.1420524	0.23831821	2.5765064	21	5 31.9	19.8
144429 2004 EK_{28}	15.5	X	285.69908	132.26451	167.64337	5.98530	0.1221440	0.17750588	3.1356498	21	4 6.9	19.9
144430 2004 EM_{31}	15.2	X	142.43888	308.88750	297.21671	8.35591	0.0908474	0.20253978	2.8716345	21	11 18.8	19.8
144431 2004 EP_{31}	16.0	X	147.40187	25.38960	290.89058	5.60488	0.1150016	0.27046913	2.3680503	21	—	—
144432 2004 EP_{32}	15.5	X	74.80520	247.28602	276.60115	10.15906	0.2107469	0.23811503	2.5779719	21	6 6.8	18.6
144433 2004 EC_{33}	15.8	X	82.24382	264.29685	238.10149	14.37483	0.0744597	0.23489270	2.6014952	21	4 25.0	19.3
144434 2004 EF_{33}	15.2	X	221.17024	91.81103	308.27442	12.78538	0.1425971	0.24041187	2.5615260	21	5 23.1	19.5
144435 2004 EV_{33}	15.4	X	300.96351	342.30416	66.73110	2.98147	0.0382014	0.19836424	2.9117927	21	9 28.3	19.2
144436 2004 ED_{34}	16.9	X	236.59484	118.89573	346.24053	8.61347	0.1592014	0.25655009	2.4529457	21	9 4.2	20.2
144437 2004 EH_{34}	15.7	X	24.09404	50.33684	3.02041	3.87347	0.0968512	0.21391671	2.7688934	21	—	—
144438 2004 EA_{35}	17.0	X	305.31905	195.19716	25.80724	6.01620	0.2307184	0.27967745	2.3157824	21	—	—
144439 2004 EB_{35}	15.6	X	63.80397	259.74937	140.90886	6.67214	0.0316159	0.21573399	2.7533219	21	—	—
144440 2004 EC_{35}	15.1	X	224.69656	232.83615	153.90076	10.78837	0.0335079	0.18136801	3.0909757	21	5 25.1	19.8
144441 2004 EM_{35}	15.1	X	145.64492	52.78636	76.29801	6.02237	0.0501420	0.18475637	3.0530677	21	6 28.5	19.5
144442 2004 EA_{37}	14.8	X	1.25526	136.23381	171.21217	10.38234	0.1007471	0.18805525	3.0172577	21	8 8.1	18.5
144443 2004 EG_{38}	15.1	X	321.78810	51.09912	159.49431	3.49645	0.2085875	0.16635843	3.2742073	21	1 20.9	19.5
144444 2004 EN_{38}	15.4	X	294.70475	45.48630	129.50188	6.52774	0.0540020	0.21590590	2.7518602	21	—	—
144445 2004 EQ_{38}	15.1	X	101.26451	166.43231	48.81158	6.15515	0.1229508	0.19002914	2.9963272	21	9 5.7	19.6
144446 2004 EA_{39}	14.7	X	356.90928	218.61251	40.44278	17.84055	0.1649950	0.17794605	3.1304767	21	5 22.5	18.3
144447 2004 EG_{39}	15.8	X	299.78974	184.66248	350.06412	2.65886	0.0317062	0.21858775	2.7293056	21	—	—
144448 2004 EJ_{40}	16.0	X	343.32300	298.12691	173.21705	13.11820	0.1208672	0.21702400	2.7424005	21	—	—
144449 2004 EV_{40}	17.1	X	241.62972	155.85169	22.68025	1.89980	0.1143582	0.26662897	2.3907335	21	12 25.4	19.9
144450 2004 EX_{40}	16.0	X	226.21241	310.62333	192.11193	1.46948	0.0714384	0.20227271	2.8741617	21	10 16.1	20.0
144451 2004 EA_{41}	15.7	X	355.79389	243.81949	209.23155	3.65615	0.0353594	0.21472785	2.7619160	21	—	—
144452 2004 EC_{41}	15.6	X	74.39878	283.85124	330.30310	3.56460	0.1869490	0.19227732	2.9729254	21	9 28.0	19.9
144453 2004 EQ_{41}	16.0	X	107.80670	124.12976	316.54406	2.31610	0.0252492	0.23002721	2.6380513	21	3 3.0	19.5
144454 2004 EC_{42}	16.7	X	290.82855	129.14930	352.37193	5.98664	0.1928642	0.26767726	2.3844876	21	12 16.2	18.7
144455 2004 EF_{42}	15.3	X	203.03085	179.39512	6.54792	15.22524	0.0787934	0.20347798	2.8628006	21	11 6.3	19.7
144456 2004 EZ_{42}	15.5	X	334.13002	352.93518	73.95649	3.15925	0.0240231	0.20577698	2.8414380	21	12 5.0	19.2
144457 2004 EQ_{43}	14.9	X	45.92187	176.70206	32.87573	11.44869	0.1273463	0.17946477	3.1127906	21	6 12.3	19.0
144458 2004 ET_{43}	16.7	X	186.86715	310.95683	253.56157	0.23386	0.1502714	0.26267308	2.4146768	21	11 19.7	20.4
144459 2004 EW_{43}	15.5	X	1.54357	208.28314	351.71768	4.61703	0.0415218	0.17400259	3.1775977	21	3 22.2	19.7
144460 2004 EZ_{43}	16.4	X	289.92799	40.20790	161.44512	4.79452	0.0498719	0.21974674	2.7197006	21	—	—
144461 2004 EO_{44}	17.2	X	354.31439	107.70731	350.94902	1.92816	0.1663455	0.27516154	2.3410511	21	—	—
144462 2004 EP_{47}	15.3	X	203.08602	27.03468	67.14061	3.20780	0.0485168	0.19026843	2.9938145	21	7 21.4	19.7
144463 2004 EA_{48}	14.9	X	349.77782	115.95029	160.53128	16.87077	0.1099954	0.18401386	3.0612751	21	6 10.8	19.0
144464 2004 EL_{48}	16.0	X	195.34174	230.42156	88.80258	3.48009	0.0553179	0.22435068	2.6823645	21	1 20.0	19.8
144465 2004 EM_{48}	15.6	X	139.12977	343.69982	23.62290	6.31699	0.0408467	0.22289314	2.6940454	21	1 14.0	19.4
144466 2004 EO_{49}	15.9	X	89.47067	3.96664	25.57412	3.11623	0.0754006	0.21878402	2.7276731	21	—	—
144467 2004 EV_{51}	16.6	X	281.31483	50.46407	28.85193	2.32096	0.1456206	0.26070518	2.4268128	21	10 2.5	19.4
144468 2004 ET_{52}	16.5	X	269.78425	86.98933	120.70895	3.80550	0.1190601	0.21739448	2.7392839	21	—	—
144469 2004 EC_{55}	14.6	X	270.99232	63.10514	217.27235	14.89454	0.1486757	0.17092968	3.2155683	21	2 17.8	19.8
144470 2004 ED_{55}	15.5	X	341.21409	257.20318	300.02605	11.06752	0.1123708	0.22785685	2.6547767	21	1 30.9	18.7
144471 2004 EE_{55}	15.8	X	74.04940	214.95167	251.05029	9.39108	0.1417787	0.23114389	2.6295480	21	2 28.7	19.0
144472 2004 EW_{55}	15.1	X	328.38215	118.19592	309.60156	10.17966	0.1323631	0.20669997	2.8329731	21	11 26.4	18.4
144473 2004 ED_{56}	15.3	X	44.16013	209.72989	218.42545	8.32510	0.1192135	0.21786405	2.7353464	21	—	—
144474 2004 EE_{56}	16.5	X	341.72882	256.05613	294.32424	3.47449	0.0962568	0.28252917	2.3001731	21	1 12.9	19.1
144475 2004 EJ_{56}	14.6	X	39.97597	232.53809	357.39732	10.26467	0.0689772	0.18221882	3.0813466	21	6 25.4	18.8
144476 2004 EK_{56}	15.6	X	70.16585	124.69083	0.32174	11.79048	0.1443164	0.23058008	2.6338328	21	3 25.6	18.7
144477 2004 EL_{56}	15.7	X	350.20623	7.70760	193.59336	11.95201	0.2349620	0.22747575	2.6577410	21	1 30.3	18.8
144478 2004 ER_{56}	16.6	X	344.13772	295.09770	179.32388	7.92872	0.2556761	0.27436409	2.3455852	21	—	—
144479 2004 EW_{57}	14.8	X	248.85850	168.88596	165.38023	17.41856	0.1060698	0.17797522	3.1301347	21	4 11.7	19.7
144480 2004 ET_{58}	14.6	X	165.35274	78.67260	331.55248	20.93469	0.0495155	0.17680321	3.1439523	21	4 2.8	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
144481 2004 EV_{58}	14.5	X	6.38233	314.14138	255.05009	14.61013	0.0643954	0.17527245	3.1622312	21	4 3.4	19.0
144482 2004 EW_{59}	15.1	X	268.12091	163.85243	19.66568	9.23293	0.2005136	0.21242280	2.7818602	21	—	—
144483 2004 EE_{60}	15.1	X	346.46070	215.69900	242.19449	6.02605	0.0971122	0.21189150	2.7865084	21	—	—
144484 2004 ER_{61}	15.7	X	334.47520	208.74987	191.34155	1.68936	0.0674346	0.20332418	2.8642441	21	11 1.4	19.3
144485 2004 ES_{61}	15.7	X	119.45836	50.33572	348.99864	12.62365	0.0686410	0.22586604	2.6703535	21	2 4.6	19.4
144486 2004 EC_{63}	15.4	X	154.96241	188.24706	303.74013	3.00977	0.0322616	0.18943291	3.0026112	21	7 12.3	19.7
144487 2004 EO_{63}	16.9	X	324.95053	233.44113	263.07642	1.58713	0.1650645	0.27429895	2.3459565	21	—	—
144488 2004 EP_{63}	16.0	X	321.22321	175.62177	353.11348	5.42141	0.0113737	0.21960278	2.7208890	21	—	—
144489 2004 EW_{63}	15.0	X	283.38756	150.98528	182.88600	11.21001	0.1345238	0.18131908	3.0915317	21	5 15.2	19.5
144490 2004 EX_{63}	15.8	X	25.96148	249.61495	182.90839	8.65642	0.0979085	0.21578266	2.7529079	21	—	—
144491 2004 EF_{65}	14.1	X	332.82231	151.78101	118.95306	19.51908	0.1076308	0.18009363	3.1055402	21	5 12.7	18.4
144492 2004 EQ_{65}	15.1	X	294.88510	247.67535	66.16204	14.38803	0.1753760	0.23913083	2.5706661	21	4 25.8	18.7
144493 2004 ES_{65}	16.7	X	2.05295	112.63832	147.68774	1.90400	0.0658459	0.24112187	2.5564952	21	6 5.5	19.5
144494 2004 EW_{65}	16.1	X	225.73024	112.45297	189.66478	3.27325	0.0700216	0.22636643	2.6664168	21	1 30.5	20.0
144495 2004 EP_{66}	16.6	X	147.71112	227.19910	272.97307	1.83277	0.0957286	0.30251771	2.1977022	21	7 19.5	19.4
144496 Reingard	15.8	X	299.38075	193.14207	25.35031	12.20576	0.1276156	0.22407358	2.6845755	21	1 5.0	19.9
144497 2004 EO_{67}	16.3	X	149.25874	301.26653	333.87503	2.97578	0.0631263	0.20964796	2.8063529	21	—	—
144498 2004 ES_{67}	17.0	X	244.43019	278.17653	194.24919	3.77159	0.1470188	0.25894825	2.4377775	21	9 24.4	20.1
144499 2004 EE_{68}	15.6	X	124.88465	334.76012	223.49955	1.36919	0.0177987	0.19572729	2.9378873	21	8 28.0	19.7
144500 2004 EV_{68}	16.0	X	42.65338	76.58068	347.08393	7.62680	0.0599764	0.21897868	2.7260563	21	—	—
144501 2004 EF_{69}	14.7	X	270.63001	342.71487	344.55045	17.75622	0.1976057	0.18095021	3.0957317	21	4 5.6	19.8
144502 2004 EO_{69}	16.2	X	133.41113	40.42485	11.57487	2.02317	0.0766075	0.23076792	2.6324033	21	3 6.9	19.9
144503 2004 EY_{69}	15.9	X	146.42422	224.91652	175.65904	11.00169	0.1816648	0.23217230	2.6217772	21	3 18.3	19.8
144504 2004 EA_{70}	15.8	X	92.31606	15.45212	357.05154	9.27968	0.1445961	0.21726973	2.7403323	21	—	—
144505 2004 ES_{71}	16.3	X	91.94061	262.72757	175.70590	14.84064	0.1463636	0.22936964	2.6430908	21	2 23.6	19.7
144506 2004 EY_{71}	16.6	X	39.31134	48.38624	198.25331	1.18574	0.1225034	0.24393112	2.5368293	21	7 24.2	19.5
144507 2004 EZ_{71}	15.2	X	157.94123	187.95527	178.73172	14.28241	0.2072967	0.22608783	2.6686068	21	2 16.6	19.6
144508 2004 EC_{72}	15.5	X	82.16068	224.47729	178.01594	13.41963	0.0689793	0.22001921	2.7174547	21	—	—
144509 2004 ER_{73}	15.5	X	106.18172	304.32240	58.43370	8.60741	0.0989698	0.21800985	2.7341267	21	—	—
144510 2004 EM_{75}	15.7	X	342.82621	125.08099	131.59369	4.01647	0.1346390	0.17691385	3.1426414	21	5 1.2	19.5
144511 2004 EO_{75}	14.9	X	286.28032	292.40613	27.08757	11.30379	0.1246968	0.17857347	3.1231398	21	4 28.8	19.3
144512 2004 EQ_{75}	15.0	X	319.62536	319.50200	20.44490	17.45799	0.1363119	0.18731957	3.0251525	21	7 16.4	19.1
144513 2004 ES_{75}	15.7	X	25.04714	189.99537	40.43921	4.07156	0.1375670	0.17888282	3.1195381	21	6 7.5	19.3
144514 2004 ET_{75}	15.2	X	132.40259	4.29195	180.51587	10.79839	0.0634890	0.18974419	2.9993264	21	8 22.2	19.8
144515 2004 EY_{76}	16.0	X	303.24261	80.40461	116.95509	3.54548	0.0766249	0.22158701	2.7046216	21	—	—
144516 2004 EH_{77}	16.3	X	294.14634	263.50030	147.85034	5.85511	0.0555222	0.25623883	2.4549317	21	9 26.8	19.1
144517 2004 EN_{77}	16.0	X	124.47116	192.28983	202.16602	4.48893	0.0808796	0.22601521	2.6691784	21	2 1.2	19.7
144518 2004 EF_{78}	14.9	X	144.54720	22.39170	15.29677	14.24650	0.1379218	0.22920948	2.6443220	21	3 12.9	18.9
144519 2004 EM_{78}	15.5	X	332.54734	298.93929	170.96116	13.54683	0.1223310	0.21424556	2.7660594	21	—	—
144520 2004 EO_{78}	17.1	X	311.78296	326.07092	138.41704	2.59823	0.2026635	0.26867677	2.3785702	21	—	—
144521 2004 ED_{79}	14.9	X	336.57128	283.89761	340.02972	9.09867	0.0406360	0.17770103	3.1333537	21	5 4.5	19.3
144522 2004 EF_{79}	15.3	X	95.36884	274.20352	191.96450	21.35636	0.1095977	0.23046778	2.6346883	21	4 2.2	18.7
144523 2004 EK_{79}	16.1	X	335.31147	85.21971	135.14103	3.31222	0.1290792	0.22713368	2.6604087	21	2 21.1	19.3
144524 2004 ER_{79}	15.3	X	38.55368	250.52883	213.95179	13.74702	0.1027156	0.22112331	2.7084014	21	—	—
144525 2004 EF_{80}	15.3	X	224.56581	224.89112	138.12265	15.35248	0.1112943	0.23787797	2.5796843	21	4 19.0	19.5
144526 2004 ER_{80}	15.9	X	93.82666	345.98788	116.46494	4.90395	0.0731944	0.23421738	2.6064934	21	3 22.4	19.2
144527 2004 EX_{80}	15.7	X	236.39603	188.55055	48.99756	6.64945	0.2332891	0.21584706	2.7523603	21	—	—
144528 2004 EF_{81}	14.2	X	17.57746	159.83729	124.75450	11.56399	0.0200397	0.18974830	2.9992831	21	7 31.5	18.3
144529 2004 EH_{81}	14.6	X	304.02640	123.19566	152.96620	22.74677	0.0349652	0.17621287	3.1509703	21	4 17.1	19.3
144530 2004 EG_{82}	15.2	X	29.16898	178.20409	86.25789	3.51492	0.1710532	0.18600409	3.0393991	21	8 6.5	18.6
144531 2004 EN_{82}	15.3	X	201.83211	215.24125	138.50528	13.65302	0.1716184	0.23142226	2.6274389	21	3 13.6	19.7
144532 2004 EX_{82}	14.8	X	348.07796	287.76812	32.93591	16.71682	0.2158544	0.18605086	3.0388896	21	8 11.6	18.2
144533 2004 EB_{83}	16.2	X	343.66035	190.07846	41.22369	4.19105	0.1250970	0.23478731	2.6022737	21	3 21.6	19.1
144534 2004 EM_{83}	16.6	X	117.22644	312.99429	113.09978	5.66362	0.1384713	0.28678454	2.2773628	21	3 7.3	19.3
144535 2004 ER_{83}	15.7	X	160.31977	248.55932	57.92735	7.04762	0.0461908	0.21444923	2.7643077	21	—	—
144536 2004 EZ_{83}	16.0	X	9.33955	202.39434	304.66695	2.86430	0.1378928	0.22363423	2.6880903	21	1 7.6	18.8
144537 2004 EB_{84}	15.6	X	153.03564	14.51097	21.49599	11.88491	0.0241708	0.22825362	2.6516992	21	3 8.5	19.3
144538 2004 EQ_{84}	16.8	X	300.06136	25.77751	115.22043	4.41659	0.0684802	0.27164005	2.3612403	21	—	—
144539 2004 EZ_{85}	16.4	X	114.05956	68.87218	58.11246	4.94955	0.1460768	0.23937323	2.5689304	21	5 28.6	19.9
144540 2004 EV_{86}	16.5	X	313.12348	343.75849	83.58126	3.84348	0.1648202	0.26327650	2.4109858	21	11 13.0	18.4
144541 2004 EZ_{93}	15.3	X	14.58486	218.62901	97.91733	5.58188	0.1198852	0.19277985	2.9677567	21	9 18.7	18.9
144542 2004 EQ_{94}	15.2	X	18.29793	260.86653	61.09428	12.84087	0.0573448	0.19451252	2.9501064	21	9 29.9	19.2
144543 2004 EV_{94}	14.8	X	70.78407	91.90249	150.42975	15.73979	0.0814669	0.18885201	3.0087652	21	8 25.6	18.8
144544 2004 EM_{95}	16.5	X	209.33811	160.66096	28.50084	2.49712	0.1325891	0.26049889	2.4280938	21	11 24.8	19.8
144545 2004 EZ_{95}	15.8	X	3.87926	154.20245	59.03076	15.45778	0.0462706	0.23457513	2.6038427	21	4 10.9	19.2
144546 2004 EP_{101}	15.6	X	76.82617	195.75189	184.07547	12.37352	0.1513222	0.21660784	2.7459119	21	—	—
144547 2004 ED_{103}	16.1	X	131.48166	216.77272	151.39563	4.99226	0.1089364	0.22262591	2.6962009	21	1 13.3	19.9
144548 2004 ED_{105}	15.2	X	228.66016	191.38522	165.39379	11.05466	0.0680912	0.17893326	3.1189518	21	4 20.1	19.9
144549 2004 EJ_{112}	15.2	X	106.98751	359.03326	129.05226	10.14510	0.0450777	0.17841246	3.1250185	21	5 14.6	19.8
144550 2004 EJ_{114}	15.2	X	170.02217	278.05128	42.27985	18.16811	0.1826624	0.22036636	2.7146000	21	1 5.4	19.8
144551 2004 EL_{115}	16.2	X	172.92681	26.51194	80.54366	5.57114	0.0537830	0.24745224	2.5127067	21	7 2.0	19.7
144552 Jackiesue	15.5	X	158.00374	143.90215	139.02771	3.28344	0.0310981	0.21395597	2.7685547	21	—	—
144553 2004 FB_{6}	15.8	X	25.70635	235.96836	176.58533	14.37093	0.0793800	0.21487404	2.7606631	21	—	—
144554 2004 FP_{6}	15.9	X	54.57977	198.05872	350.37108	11.47395	0.1054798	0.23791509	2.5794160	21	5 19.2	19.1
144555 2004 FQ_{8}	16.9	X	170.82974	138.13436	91.44914	3.26658	0.1673304	0.26365102	2.4087020	21	12 4.7	20.6
144556 2004 FT_{8}	15.0	X	293.78859	101.42123	172.29132	21.72969	0.1194124	0.17476516	3.1683475	21	3 15.1	19.5
144557 2004 FW_{8}	15.2	X	59.03288	265.60435	166.92535	13.72361	0.0952449	0.22016741	2.7162351	21	—	—
144558 2004 FU_{9}	16.0	X	184.56911	99.90144	88.41712	2.53817	0.1434571	0.19989946	2.8968653	21	10 22.9	20.7
144559 2004 FK_{10}	15.8	X	184.96354	182.17349	111.04649	3.48390	0.1121864	0.21651067	2.7467334	21	—	—
144560 2004 FH_{12}	15.2	X	127.44454	235.96681	308.53867	9.03116	0.0390846	0.19079678	2.9882851	21	8 14.7	19.4

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
144561	2004 FK_{12}	15.6	X	307.43705	213.91281	274.54535	7.35588	0.2584630	0.21559161	2.7545341	21	—	—
144562	2004 FS_{12}	16.2	X	156.76100	263.77992	203.62342	9.25281	0.2357097	0.24462116	2.5320563	21	6 21.5	20.7
144563	2004 FV_{12}	16.1	X	35.50902	255.04542	274.27471	4.84266	0.0899380	0.28887948	2.2663392	21	3 9.9	18.3
144564	2004 FE_{13}	15.7	X	194.84927	11.83553	300.02886	5.46436	0.1460656	0.27651136	2.3334261	21	1 5.8	19.3
144565	2004 FH_{13}	15.3	X	232.99026	359.25875	233.06999	7.24822	0.1604767	0.21366702	2.7710502	21	—	—
144566	2004 FT_{13}	16.0	X	309.01827	124.67131	47.82751	5.45883	0.0511183	0.21827084	2.7319468	21	—	—
144567	2004 FE_{14}	15.8	X	101.56211	257.62351	199.32866	18.56115	0.0881994	0.23269722	2.6178329	21	3 24.1	19.3
144568	2004 FN_{14}	15.7	X	208.19466	206.70285	358.55499	8.07928	0.2486673	0.20550444	2.8439497	21	11 22.9	20.5
144569	2004 FO_{14}	15.3	X	93.95346	324.39814	250.81069	1.90874	0.1301197	0.18778055	3.0201996	21	8 25.1	19.6
144570	2004 FX_{18}	15.6	X	17.17762	133.47097	8.75593	12.70291	0.1459354	0.22515060	2.6760074	21	1 17.3	18.7
144571	2004 FA_{20}	16.3	X	186.16698	99.99293	344.23477	14.95871	0.1090664	0.24518225	2.5281919	21	6 16.7	20.4
144572	2004 FH_{20}	16.4	X	267.34635	271.23411	279.17027	2.28526	0.1468909	0.21514529	2.7583422	21	—	—
144573	2004 FG_{21}	15.0	X	24.37532	221.56549	342.25413	4.97356	0.1128275	0.17696648	3.1420183	21	4 28.2	18.8
144574	2004 FS_{22}	16.5	X	138.64175	260.86295	347.39076	0.65150	0.0810002	0.20285780	2.8686325	21	11 18.9	20.9
144575	2004 FR_{25}	14.8	X	31.47019	331.08546	218.90173	3.93722	0.1202257	0.17568714	3.1572531	21	4 24.2	18.7
144576	2004 FH_{27}	16.6	X	176.70063	230.10631	231.99067	0.25139	0.0492823	0.24413950	2.5353856	21	6 29.8	20.1
144577	2004 FB_{28}	16.5	X	89.33551	104.99670	187.77936	5.67065	0.0327936	0.20214551	2.8753672	21	11 15.8	20.5
144578	2004 FH_{28}	15.8	X	77.35615	359.74884	14.36087	5.01791	0.0823032	0.21312465	2.7757494	21	—	—
144579	2004 FO_{32}	16.2	X	103.80599	214.56077	221.07924	5.13587	0.0253196	0.22702938	2.6612235	21	2 18.2	19.8
144580	2004 FY_{32}	16.8	X	286.80857	255.88406	236.91202	4.41122	0.1769762	0.26835105	2.3804945	21	12 27.2	18.8
144581	2004 FG_{34}	16.7	X	263.18291	23.38153	92.15576	2.49265	0.1431215	0.26172177	2.4205245	21	10 26.8	19.4
144582	2004 FG_{35}	16.7	X	65.21003	155.74355	299.53413	4.79452	0.1497449	0.28473299	2.2882889	21	1 19.6	18.4
144583	2004 FR_{35}	15.5	X	133.35351	355.98282	173.63652	10.01588	0.0370437	0.18900766	3.0071132	21	8 1.9	20.0
144584	2004 FV_{35}	14.3	X	173.62085	343.36293	18.07468	22.35003	0.0534073	0.16858852	3.2452691	21	3 6.3	19.4
144585	2004 FJ_{38}	15.8	X	255.22504	260.13244	304.18484	3.96599	0.1067194	0.21394263	2.7686698	21	—	—
144586	2004 FP_{38}	14.6	X	214.77057	52.36269	336.85480	8.93673	0.1564216	0.23773821	2.5806953	21	5 1.0	18.9
144587	2004 FV_{38}	15.8	X	11.34361	257.77841	315.58712	3.61999	0.2060370	0.23232676	2.6206150	21	4 7.7	18.0
144588	2004 FY_{38}	15.8	X	122.71765	96.20854	82.24524	1.69428	0.1259207	0.18854283	3.0120536	21	8 11.5	20.4
144589	2004 FJ_{41}	15.5	X	34.19310	151.85827	283.36735	2.27088	0.0536827	0.21738762	2.7393415	21	—	—
144590	2004 FM_{41}	16.1	X	221.77213	276.61866	209.25913	8.88456	0.2446487	0.25601311	2.4563745	21	9 3.7	20.1
144591	2004 FV_{41}	15.9	X	356.93060	177.87663	98.57784	5.72791	0.1257911	0.24455382	2.5325212	21	6 18.7	18.3
144592	2004 FG_{42}	16.0	X	157.16783	243.45451	53.52194	6.78530	0.0853920	0.21455280	2.7634181	21	—	—
144593	2004 FB_{44}	16.1	X	295.61228	352.83591	231.75520	6.00041	0.2233205	0.22283961	2.6944769	21	—	—
144594	2004 FD_{44}	16.3	X	325.68387	254.78691	192.95781	8.25480	0.1660649	0.26885401	2.3775247	21	—	—
144595	2004 FQ_{44}	16.8	X	174.83321	51.91251	117.11075	3.44701	0.1758909	0.25401495	2.4692394	21	9 24.5	20.7
144596	2004 FR_{44}	16.7	X	106.89521	330.89785	121.28829	4.16815	0.1264262	0.28964455	2.2623466	21	3 26.9	19.3
144597	2004 FS_{44}	14.7	X	355.82420	61.71000	154.24536	9.76599	0.0326208	0.17455675	3.1708689	21	4 7.1	19.0
144598	2004 FY_{44}	14.7	X	1.08689	57.40882	179.83736	17.13671	0.1096005	0.17580663	3.1558224	21	5 9.1	18.8
144599	2004 FZ_{44}	15.7	X	290.51491	23.00363	127.96530	5.25685	0.1448618	0.21215550	2.7841963	21	—	—
144600	2004 FM_{45}	16.0	X	104.47909	358.19451	111.10525	5.39092	0.2089457	0.23534417	2.5981672	21	5 4.9	19.7
144601	2004 FH_{46}	15.8	X	178.92518	238.68936	151.77932	16.13742	0.1691282	0.23596372	2.5936173	21	4 7.9	20.2
144602	2004 FV_{47}	16.4	X	12.54468	3.86936	229.71952	3.09930	0.0853106	0.24066830	2.5597062	21	5 14.8	19.3
144603	2004 FZ_{47}	15.8	X	68.94543	274.59264	162.87819	14.82747	0.0572418	0.22768100	2.6561434	21	1 9.1	19.4
144604	2004 FW_{48}	16.3	X	290.16170	124.55141	211.99634	3.12169	0.0269754	0.24251237	2.5467137	21	6 8.2	19.5
144605	2004 FX_{49}	16.2	X	296.35739	331.42355	343.28368	2.63034	0.0317860	0.23802559	2.5786176	21	5 15.8	19.7
144606	2004 FF_{50}	14.7	X	292.91079	295.55152	358.59989	12.92556	0.2181020	0.17334837	3.1855875	21	3 24.6	19.4
144607	2004 FW_{51}	16.0	X	50.54641	62.58788	358.75237	14.21658	0.1481285	0.22063772	2.7123738	21	—	—
144608	2004 FN_{52}	15.7	X	357.75964	160.55874	10.42856	14.11243	0.0271612	0.22582097	2.6707088	21	2 6.9	19.4
144609	2004 FT_{52}	16.0	X	316.69734	204.19970	37.85328	4.91719	0.0215619	0.22916583	2.6446577	21	3 12.5	19.5
144610	2004 FV_{52}	15.4	X	109.12311	229.80251	172.81350	10.65680	0.0950791	0.22388024	2.6861208	21	1 25.1	19.1
144611	2004 FZ_{52}	16.7	X	103.35168	341.56836	112.81269	3.57331	0.1141123	0.28813548	2.2702389	21	3 22.7	19.2
144612	2004 FD_{56}	16.3	X	209.87119	91.03364	135.81327	4.03988	0.1307444	0.20966262	2.8062221	21	—	—
144613	2004 FJ_{58}	15.5	X	323.89292	124.33257	139.26233	1.90138	0.1739102	0.17400861	3.1775244	21	4 4.2	19.6
144614	2004 FM_{61}	15.6	X	69.15240	221.95638	95.47945	3.29646	0.0608209	0.20313139	2.8660561	21	11 25.3	19.5
144615	2004 FD_{62}	15.6	X	356.94444	23.12107	143.55847	3.04981	0.1379132	0.22533878	2.6745174	21	1 12.5	18.7
144616	2004 FJ_{62}	16.4	X	8.15189	104.17051	149.48001	2.84888	0.1053189	0.23932381	2.5692840	21	6 6.4	19.0
144617	2004 FD_{63}	16.1	X	135.25404	302.79283	186.39223	9.92796	0.1236893	0.24013508	2.5634941	21	6 22.2	20.1
144618	2004 FB_{65}	15.6	X	347.53433	124.65855	41.61406	13.47525	0.0971638	0.22107485	2.7087971	21	1 5.6	19.3
144619	2004 FR_{65}	16.2	X	38.21439	65.26138	72.27263	3.20669	0.1415578	0.22647950	2.6655293	21	2 16.6	18.8
144620	2004 FU_{65}	15.6	X	209.56176	61.25305	99.09840	3.00486	0.0571416	0.19846934	2.9107647	21	10 21.1	19.9
144621	2004 FU_{66}	15.4	X	255.21254	251.52255	120.96194	4.19545	0.2582950	0.24293246	2.5437769	21	5 14.9	19.6
144622	2004 FZ_{66}	15.6	X	1.83581	336.56197	133.11584	6.07592	0.0200856	0.21698034	2.7427683	21	—	—
144623	2004 FO_{68}	16.1	X	279.96444	191.78687	98.23305	3.31446	0.0551015	0.23022623	2.6365308	21	3 21.9	19.6
144624	2004 FP_{68}	15.5	X	42.73551	165.78120	106.65958	3.55993	0.1732758	0.18819367	3.0157781	21	9 10.1	19.3
144625	2004 FK_{69}	15.7	X	103.39366	194.26794	50.00133	2.47314	0.0749109	0.19461390	2.9490817	21	10 6.9	19.9
144626	2004 FG_{70}	15.4	X	4.05065	206.61713	337.31351	2.14460	0.0124673	0.16943861	3.2344055	21	3 7.9	19.7
144627	2004 FK_{71}	16.3	X	173.22267	218.07429	148.09356	3.15819	0.2275219	0.22872728	2.6480371	21	3 4.3	20.8
144628	2004 FE_{77}	17.2	X	288.89104	70.41304	29.38882	0.42676	0.1719618	0.26439141	2.4042031	21	11 11.1	19.6
144629	2004 FJ_{77}	15.3	X	326.74344	130.32961	182.20674	11.65970	0.1780306	0.18484403	3.0521024	21	6 11.6	19.1
144630	2004 FU_{77}	15.7	X	82.90938	147.82642	26.03701	9.24893	0.1092983	0.23750685	2.5823709	21	6 14.9	19.2
144631	2004 FX_{77}	16.4	X	145.85988	14.82140	101.68285	2.17171	0.0968655	0.24312952	2.5424022	21	6 15.1	19.9
144632	2004 FM_{79}	16.5	X	172.71313	216.71301	179.81305	5.11311	0.2490979	0.23454499	2.6040657	21	4 9.9	20.9
144633	Georgecarroll	15.2	X	149.64108	56.10321	19.82226	12.86773	0.1539954	0.23412091	2.6072094	21	4 29.4	19.3
144634	2004 FJ_{80}	15.4	X	341.16874	342.48273	39.68880	3.47763	0.0592678	0.20139257	2.8825295	21	10 18.8	19.0
144635	2004 FG_{85}	15.5	X	134.47014	288.19263	163.38243	15.04674	0.0920186	0.23534040	2.5981949	21	5 3.6	19.4
144636	2004 FP_{88}	16.2	X	72.73468	315.55239	87.59995	6.04493	0.1143683	0.21949836	2.7217518	21	—	—
144637	2004 FS_{90}	15.6	X	27.12804	355.28884	160.50513	12.27584	0.1095770	0.22603038	2.6690590	21	2 19.7	18.5
144638	2004 FB_{93}	15.4	X	20.06824	217.12042	56.65979	2.61847	0.1771893	0.18483750	3.0521743	21	8 3.2	18.8
144639	2004 FH_{93}	15.8	X	84.40898	36.72924	92.29828	5.68871	0.1117400	0.23266304	2.6180893	21	4 20.4	19.1
144640	2004 FO_{93}	15.7	X	158.67840	146.04809	149.46646	5.69951	0.0322066	0.21313279	2.7756787	21	—	—

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
144641	2004 FN_{94}	16.8	X	342.65689	355.00064	144.49588	0.90648	0.1607486	0.27619703	2.3351962	21	—	—
144642	2004 FO_{96}	15.6	X	178.08264	283.44571	141.27198	14.22118	0.0486936	0.23899478	2.5716416	21	5 16.8	19.5
144643	2004 FV_{97}	15.3	X	8.86447	339.46954	109.27155	9.38355	0.1837958	0.21789841	2.7350589	21	—	—
144644	2004 FT_{99}	16.0	X	102.38598	241.61577	24.43716	5.94970	0.0560621	0.19958177	2.8999386	21	10 29.8	20.2
144645	2004 FZ_{100}	16.0	X	116.66843	21.28627	11.94779	2.46339	0.0693706	0.22318977	2.6916578	21	1 21.8	19.6
144646	2004 FB_{102}	15.5	X	238.84331	257.20579	328.87845	6.26005	0.0740328	0.21300400	2.7767975	21	—	—
144647	2004 FT_{102}	16.9	X	331.56815	25.12914	46.82761	3.68019	0.2134744	0.26799344	2.3826117	21	—	—
144648	2004 FH_{105}	14.6	X	292.55923	53.68145	228.59219	26.59860	0.1821477	0.17181799	3.2044756	21	3 7.9	19.7
144649	2004 FO_{105}	15.4	X	153.96550	154.14852	313.67631	13.26601	0.1074013	0.24017541	2.5632071	21	6 13.6	19.5
144650	2004 FX_{105}	15.1	X	144.94612	230.85984	93.58967	10.49366	0.1082767	0.21601561	2.7509284	21	—	—
144651	2004 FE_{106}	16.5	X	169.25621	322.19638	184.21963	4.42505	0.1123920	0.24628582	2.5206339	21	8 18.8	20.3
144652	2004 FF_{106}	15.0	X	318.26319	61.71140	203.69685	12.22416	0.0825978	0.17153046	3.2080555	21	4 10.4	19.3
144653	2004 FD_{108}	16.0	X	121.85520	35.40762	13.13571	8.80010	0.0837087	0.22659514	2.6646223	21	2 20.9	19.7
144654	2004 FV_{108}	15.9	X	91.93719	2.63882	28.13661	6.48277	0.0512960	0.21667286	2.7453626	21	—	—
144655	2004 FE_{110}	15.8	X	87.03875	233.49358	257.74047	4.05593	0.2738465	0.23477146	2.6023908	21	5 19.7	19.2
144656	2004 FS_{110}	15.9	X	235.25435	160.65533	12.40208	9.30133	0.0665455	0.20474441	2.8509833	21	12 2.3	20.0
144657	2004 FO_{112}	17.2	X	218.22589	207.15108	280.92711	1.08913	0.1342526	0.25546085	2.4599134	21	9 15.6	20.7
144658	2004 FF_{116}	14.9	X	83.89499	95.64221	146.00559	11.08612	0.0665410	0.19146625	2.9813152	21	9 9.8	19.1
144659	2004 FP_{116}	15.2	X	47.00962	6.42298	170.69206	17.48343	0.1484815	0.17535899	3.1611906	21	5 9.8	19.3
144660	2004 FO_{117}	15.5	X	254.99311	103.47537	112.53821	9.91306	0.0751320	0.21260271	2.7802906	21	—	—
144661	2004 FU_{117}	15.7	X	339.05014	56.90473	23.67880	4.55344	0.0395546	0.21098446	2.7944890	21	12 30.8	19.4
144662	2004 FA_{121}	15.9	X	168.68650	226.95240	117.83552	8.59192	0.1131065	0.27768527	2.3268452	21	1 16.9	18.9
144663	2004 FT_{121}	16.8	X	342.49117	177.02565	29.85252	2.68482	0.1035216	0.28438275	2.2901673	21	2 5.7	19.2
144664	2004 FV_{122}	15.2	X	82.04701	5.13434	241.01224	10.40613	0.0777724	0.19155724	2.9803711	21	9 8.3	19.6
144665	2004 FO_{125}	15.5	X	11.60620	121.14969	199.54897	10.11789	0.1108953	0.19180557	2.9777980	21	9 13.1	19.1
144666	2004 FQ_{125}	16.3	X	121.35213	260.09076	251.62149	2.95250	0.1233666	0.24226901	2.5484188	21	7 6.4	19.8
144667	2004 FQ_{127}	15.4	X	230.03054	165.85981	150.47988	1.70028	0.1205199	0.16897048	3.2403766	21	2 27.8	20.4
144668	2004 FK_{128}	16.0	X	309.19669	94.45889	132.95904	3.07923	0.1462252	0.22320269	2.6915540	21	1 23.7	19.8
144669	2004 FN_{129}	16.4	X	328.33869	344.38415	148.65958	10.51407	0.2070778	0.27391214	2.3481646	21	—	—
144670	2004 FB_{130}	15.0	X	128.72415	246.34442	86.27206	13.57681	0.1532094	0.21130376	2.7916731	21	—	—
144671	2004 FE_{130}	14.6	X	56.12879	108.42522	50.57536	18.28194	0.0629904	0.17459455	3.1704112	21	4 21.2	18.9
144672	2004 FS_{130}	14.2	X	291.53006	282.77137	37.39830	26.45929	0.1876706	0.17851507	3.1238209	21	4 28.3	18.5
144673	2004 FA_{131}	14.2	X	304.78036	240.22496	42.65935	28.37467	0.1248392	0.17456111	3.1708161	21	4 16.5	18.7
144674	2004 FN_{131}	16.1	X	89.78148	171.06947	24.78558	4.19536	0.1281636	0.24147436	2.5540067	21	7 30.3	19.5
144675	2004 FZ_{132}	14.9	X	170.90103	289.54305	151.08546	16.36517	0.0828531	0.18404677	3.0609101	21	5 31.8	19.9
144676	2004 FU_{134}	14.9	X	117.44070	227.23801	353.07628	19.65828	0.1434993	0.19237967	2.9718709	21	9 25.1	19.5
144677	2004 FM_{136}	15.6	X	29.26000	19.24223	127.72165	12.67194	0.1316404	0.22579818	2.6708885	21	2 12.8	18.4
144678	2004 FG_{137}	16.4	X	330.08382	58.59358	351.92152	5.24482	0.2355959	0.26615821	2.3935517	21	11 25.6	17.9
144679	2004 FH_{140}	15.6	X	41.49349	279.31323	222.66583	11.92262	0.1814183	0.23160488	2.6260576	21	2 22.8	18.4
144680	2004 FP_{140}	15.9	X	244.60010	268.36665	308.75111	3.95830	0.0987684	0.21306873	2.7762351	21	—	—
144681	2004 FR_{141}	16.4	X	180.01829	267.72216	264.29886	1.98285	0.1315123	0.25338170	2.4733518	21	10 2.1	20.3
144682	2004 FN_{142}	15.6	X	106.40849	292.30154	166.73876	2.81013	0.0455895	0.22985877	2.6393400	21	3 29.4	18.9
144683	2004 FS_{142}	15.1	X	17.98080	47.13711	186.90953	4.99759	0.0824170	0.17755508	3.1350705	21	5 29.8	19.0
144684	2004 FA_{143}	15.1	X	54.34261	58.61147	27.55620	9.30603	0.2030457	0.22082421	2.7108465	21	1 12.3	17.8
144685	2004 FE_{144}	15.0	X	233.52012	186.61636	319.91392	14.31739	0.0796108	0.20401036	2.8578180	21	10 21.1	19.5
144686	2004 FG_{144}	14.6	X	103.06598	166.84330	310.09806	11.95344	0.1121145	0.17944509	3.1130182	21	4 26.3	19.3
144687	2004 FE_{145}	15.5	X	82.84405	65.94317	103.23673	15.81387	0.0398380	0.23698171	2.5861844	21	6 1.4	19.0
144688	2004 FG_{145}	16.1	X	63.95557	310.73651	200.93943	3.46234	0.1403383	0.23249245	2.6193697	21	4 22.0	19.0
144689	2004 FD_{146}	14.6	X	271.50366	225.97574	79.54447	2.62664	0.1605847	0.16933746	3.2356934	21	3 25.0	19.5
144690	2004 FV_{147}	14.7	X	90.72742	204.99107	349.89309	21.82933	0.0387166	0.18450836	3.0558030	21	7 21.9	19.4
144691	2004 FR_{154}	15.2	X	138.75656	226.93866	304.40302	10.39038	0.0243889	0.19017641	2.9947802	21	8 10.2	19.5
144692	Katemary	16.4	X	322.57915	35.19356	195.19850	3.02946	0.1377310	0.22563560	2.6721713	21	2 13.5	19.9
144693	2004 GF	16.0	X	343.25504	337.26669	213.09523	16.85699	0.1310348	0.22481321	2.6786841	21	1 19.3	19.7
144694	2004 GL_{1}	15.0	X	293.80018	287.05598	30.53902	10.94113	0.0733664	0.17843126	3.1247990	21	5 12.9	19.4
144695	2004 GY_{2}	14.4	X	76.82211	129.35638	238.71048	32.66736	0.1674142	0.21357567	2.7718403	21	—	—
144696	2004 GZ_{3}	16.4	X	45.57058	273.96446	212.23940	2.44847	0.0880143	0.22602503	2.6691011	21	2 9.4	19.5
144697	2004 GZ_{5}	16.5	X	70.42331	106.01325	31.53348	1.39990	0.1112782	0.23341682	2.6124498	21	4 8.2	19.4
144698	2004 GX_{10}	15.7	X	104.21365	351.65138	101.82273	16.53550	0.0828871	0.23164060	2.6257876	21	4 2.2	19.5
144699	2004 GE_{11}	15.2	X	252.35605	317.94396	270.44077	11.89278	0.0246252	0.21468821	2.7622560	21	—	—
144700	2004 GF_{13}	15.6	X	172.51823	356.82809	251.44885	3.59634	0.1401398	0.20478624	2.8505951	21	12 21.0	20.2
144701	2004 GF_{14}	15.7	X	57.71516	25.17501	141.44668	7.89180	0.1401008	0.23244803	2.6197035	21	5 5.9	18.8
144702	2004 GS_{15}	15.1	X	318.40795	64.78665	118.85519	13.46619	0.1184549	0.22034486	2.7147767	21	—	—
144703	2004 GY_{15}	16.2	X	286.28514	24.44075	183.98706	7.99214	0.1455410	0.21775523	2.7362576	21	—	—
144704	2004 GA_{17}	15.5	X	33.02221	351.52117	134.90843	14.75458	0.1944069	0.22392885	2.6857320	21	1 19.9	17.9
144705	2004 GE_{18}	15.4	X	304.02397	95.05533	76.28749	10.51698	0.0434155	0.21656395	2.7462829	21	—	—
144706	2004 GF_{18}	15.3	X	319.10885	97.97409	58.85880	13.88837	0.1436909	0.21410567	2.7672641	21	—	—
144707	2004 GG_{18}	14.9	X	125.99637	45.46568	176.43657	22.51163	0.1065121	0.19228439	2.9728525	21	10 7.2	19.5
144708	2004 GM_{18}	14.7	X	87.62931	51.57294	112.70471	11.64068	0.0682011	0.18139854	3.0906289	21	6 6.7	19.1
144709	2004 GL_{21}	16.1	X	47.29057	329.77045	172.90929	8.15605	0.0754369	0.22594227	2.6697528	21	3 6.2	19.4
144710	2004 GR_{21}	15.9	X	66.17221	11.89246	138.90882	7.64386	0.2284659	0.23188963	2.6239074	21	5 11.8	18.9
144711	2004 GV_{21}	15.7	X	242.73032	353.21203	241.61183	8.27450	0.2333338	0.21601929	2.7508972	21	—	—
144712	2004 GN_{22}	15.9	X	126.01895	158.32780	101.09673	2.33235	0.1584854	0.19841671	2.9112794	21	11 22.9	20.5
144713	2004 GF_{23}	17.0	X	149.64676	11.24312	123.78950	0.70118	0.1615116	0.24416349	2.5352195	21	7 17.6	20.9
144714	2004 GH_{24}	15.3	X	274.54685	116.90805	78.85177	9.88860	0.0939991	0.21309399	2.7760157	21	—	—
144715	2004 GN_{26}	15.5	X	152.06923	196.62232	65.09705	10.92947	0.0919564	0.20272506	2.8698845	21	12 18.1	20.0
144716	Scotttucker	15.0	X	206.68309	51.37548	73.57677	11.82289	0.0420749	0.19216095	2.9741255	21	9 9.2	19.5
144717	2004 GG_{29}	15.4	X	77.06924	66.19198	205.99040	10.53471	0.1031662	0.19315198	2.9639436	21	10 13.2	19.5
144718	2004 GR_{30}	15.9	X	88.63963	54.10426	137.59639	4.07733	0.1265302	0.23976264	2.5661480	21	7 21.0	19.3
144719	2004 GC_{31}	15.2	X	36.14572	250.24491	48.96034	10.65685	0.1260579	0.18943293	3.0026110	21	10 1.8	19.1
144720	2004 GE_{32}	15.5	X	293.14459	231.27635	306.99357	11.89471	0.1348039	0.21699108	2.7426778	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
144721 2004 GD_{34}	14.8	X	70.75602	336.52796	209.99252	15.01175	0.0310298	0.17664867	3.1457857	21	6 6.5	19.3
144722 2004 GL_{34}	15.1	X	74.51614	157.50195	312.62808	14.06465	0.0505674	0.22767776	2.6561686	21	2 24.8	18.7
144723 2004 GQ_{34}	16.3	X	51.88419	226.67225	283.56223	1.93638	0.0993961	0.23068781	2.6330127	21	3 24.4	19.4
144724 2004 GX_{34}	15.1	X	320.90188	65.27883	226.23447	15.64798	0.2146571	0.17713978	3.1399687	21	4 27.8	18.9
144725 2004 GL_{35}	16.0	X	152.47523	79.56163	327.87546	2.97282	0.0186270	0.22856102	2.6493211	21	3 16.3	19.7
144726 2004 GN_{35}	15.2	X	105.27574	321.13529	278.27362	9.35156	0.0955693	0.19326366	2.9628017	21	9 29.2	19.8
144727 2004 GS_{36}	15.2	X	69.15837	354.86228	256.68850	5.18729	0.2516635	0.18683207	3.0304126	21	9 25.6	19.7
144728 2004 GE_{37}	15.5	X	27.48439	19.50462	224.27519	10.83445	0.1034309	0.18096791	3.0955299	21	6 26.4	19.4
144729 2004 GU_{37}	15.3	X	236.43774	358.10399	231.49278	12.74594	0.1265587	0.21121095	2.7924909	21	—	—
144730 2004 GZ_{38}	14.7	X	281.68162	82.38578	219.89577	12.30846	0.1761021	0.17186885	3.2038433	21	3 25.8	19.7
144731 2004 GA_{39}	16.1	X	276.06219	9.32014	207.65612	8.86150	0.0722403	0.21721216	2.7408165	21	—	—
144732 2004 GN_{40}	15.6	X	71.32434	143.75626	6.24166	0.43300	0.1312312	0.17602427	3.1532206	21	5 5.2	19.8
144733 2004 GS_{40}	15.8	X	314.01632	26.95819	139.30227	4.65612	0.0464694	0.21443681	2.7644145	21	—	—
144734 2004 GM_{41}	15.9	X	172.48372	116.14794	58.05401	2.75047	0.0283537	0.19496442	2.9455460	21	9 26.7	20.0
144735 2004 GB_{42}	16.1	X	234.76625	59.20451	210.93278	2.63096	0.1260604	0.21704416	2.7422306	21	1 2.0	20.4
144736 2004 GG_{42}	15.7	X	305.75287	28.35031	138.66597	6.44160	0.0280748	0.21439153	2.7648037	21	—	—
144737 2004 GY_{42}	15.2	X	11.17701	6.70768	143.37260	15.81502	0.1118152	0.22164722	2.7041318	21	1 17.1	18.4
144738 2004 GB_{50}	16.0	X	28.98467	37.16055	251.82778	1.69641	0.0621937	0.18828879	3.0147623	21	8 24.9	19.8
144739 2004 GM_{50}	15.7	X	130.83517	276.13475	358.34988	4.13193	0.1293308	0.20160535	2.8805008	21	12 13.3	20.3
144740 2004 GU_{51}	15.7	X	325.95233	174.59474	117.72258	2.61208	0.2032973	0.17790351	3.1309757	21	5 10.5	19.4
144741 2004 GL_{59}	15.2	X	24.22800	151.03915	116.34491	3.66791	0.2478231	0.18152026	3.0892471	21	8 10.8	18.3
144742 2004 GZ_{60}	15.7	X	118.63440	143.16149	75.51787	3.35226	0.0723189	0.19155690	2.9803746	21	9 22.7	20.2
144743 2004 GD_{61}	15.3	X	76.90075	165.68426	86.77240	3.09539	0.1931471	0.18816943	3.0160371	21	10 1.9	19.8
144744 2004 GC_{62}	15.8	X	347.94858	303.35360	39.94456	2.89244	0.0214927	0.19209662	2.9747895	21	9 7.4	19.7
144745 2004 GR_{65}	16.7	X	135.04949	182.89804	178.05077	1.42460	0.0450406	0.21813066	2.7331171	21	1 1.2	20.4
144746 2004 GA_{67}	16.0	X	145.64769	35.44162	6.19110	3.79870	0.1399738	0.22752929	2.6573240	21	3 15.6	20.0
144747 2004 GX_{74}	16.2	X	213.39565	341.28744	144.25939	7.65731	0.0904881	0.25188430	2.4831445	21	9 13.1	19.6
144748 2004 GR_{80}	16.5	X	316.15992	263.20447	29.44174	2.73966	0.0716325	0.23842374	2.5757461	21	5 8.1	19.5
144749 2004 GF_{83}	16.0	X	336.55788	321.99559	76.26230	3.29401	0.0935375	0.19935583	2.9021293	21	11 2.1	19.4
144750 2004 GN_{87}	15.0	X	24.69935	202.42240	98.29645	12.36397	0.0691085	0.18959841	3.0008636	21	9 10.5	19.1
144751 2004 GZ_{87}	15.5	X	305.13106	336.64934	256.97310	13.50255	0.1216571	0.22578725	2.6709747	21	1 25.3	19.5
144752 Plunge	15.6	X	46.15607	190.58308	103.60580	2.17849	0.0690205	0.19112279	2.9848859	21	9 27.9	19.5
144753 2004 HF_{1}	15.4	X	321.35273	313.96431	123.94052	26.28940	0.3117566	0.26456522	2.4031500	21	12 27.3	16.9
144754 2004 HH_{2}	16.9	X	139.02260	291.99975	279.76245	1.09192	0.1159837	0.25154524	2.4853753	21	10 11.8	20.7
144755 2004 HO_{3}	14.6	X	35.71684	215.80713	12.06466	17.22516	0.0641300	0.17938102	3.1137595	21	6 13.1	19.1
144756 2004 HX_{4}	16.3	X	100.53626	68.81636	52.53318	4.25504	0.0705591	0.23351323	2.6117307	21	4 23.9	19.7
144757 2004 HJ_{5}	16.3	X	267.16253	249.66648	245.07219	5.79082	0.1558006	0.26389123	2.4072401	21	11 26.1	18.8
144758 2004 HR_{7}	15.9	X	58.91207	348.32711	41.12625	6.89431	0.0298548	0.21114453	2.7930765	21	—	—
144759 2004 HH_{9}	16.3	X	182.18841	297.44719	223.01626	7.17051	0.1089762	0.25180637	2.4836567	21	9 18.7	20.1
144760 2004 HQ_{9}	15.5	X	322.86571	101.78203	29.75955	12.90581	0.1783197	0.21308776	2.7760698	21	—	—
144761 2004 HX_{9}	16.1	X	25.06976	52.72283	100.69919	5.05091	0.1925997	0.22487904	2.6781613	21	2 12.9	18.6
144762 2004 HR_{10}	15.2	X	60.47191	268.37479	202.72964	13.14319	0.1559707	0.22251002	2.6971370	21	2 17.2	18.4
144763 2004 HU_{11}	15.1	X	19.65140	196.78822	51.62031	13.01500	0.1749259	0.17883015	3.1201506	21	6 25.1	18.7
144764 2004 HB_{16}	15.0	X	48.43019	206.05764	117.04206	13.03266	0.0545798	0.19470011	2.9482112	21	11 9.1	19.3
144765 2004 HH_{17}	15.8	X	103.90201	341.61356	164.17040	10.48199	0.1757256	0.23694139	2.5864778	21	6 15.8	19.7
144766 2004 HS_{17}	15.0	X	88.38343	252.03050	14.55272	9.98377	0.0936399	0.19306255	2.9648588	21	10 17.5	19.3
144767 2004 HR_{19}	15.8	X	28.47324	233.96327	37.69684	2.97094	0.1547249	0.18394675	3.0620196	21	8 13.4	19.5
144768 2004 HB_{20}	15.4	X	158.80226	16.83779	19.05342	15.39554	0.1234474	0.22952262	2.6419163	21	3 23.4	19.4
144769 Zachariassen	15.6	X	331.84156	133.45865	147.66439	1.07674	0.0486934	0.17878054	3.1207278	21	5 23.3	19.8
144770 2004 HM_{22}	15.9	X	174.68438	170.51364	17.17250	1.93187	0.0327747	0.19666283	2.9285627	21	10 14.9	20.0
144771 2004 HQ_{22}	16.2	X	27.21862	216.06724	213.34338	2.99142	0.0805335	0.21212164	2.7844926	21	—	—
144772 2004 HB_{25}	15.7	X	43.80500	209.56885	76.43065	3.27933	0.1037116	0.18931504	3.0038574	21	9 19.5	19.6
144773 2004 HG_{25}	15.8	X	77.49022	61.18783	61.74339	4.81707	0.0557034	0.22846865	2.6500352	21	3 25.1	19.2
144774 2004 HQ_{25}	16.2	X	359.14143	151.35699	89.07174	2.34885	0.0852327	0.23236604	2.6203196	21	5 3.1	19.2
144775 2004 HT_{25}	15.1	X	36.23182	161.08453	62.48026	4.68944	0.0933245	0.17840828	3.1250674	21	6 13.1	19.1
144776 2004 HN_{26}	15.9	X	107.27212	352.06523	119.38822	12.71079	0.1265896	0.23341982	2.6124274	21	5 3.1	19.7
144777 2004 HR_{27}	15.5	X	63.31419	22.89960	188.86403	9.66822	0.0728315	0.18112209	3.0937730	21	7 3.8	19.9
144778 2004 HA_{28}	14.9	X	348.74415	238.23207	52.04255	18.31047	0.1494679	0.17950031	3.1123797	21	6 21.8	18.7
144779 2004 HV_{28}	15.9	X	194.78367	104.30075	222.96859	4.81341	0.0129995	0.22126874	2.7072146	21	1 25.9	19.8
144780 2004 HJ_{29}	15.8	X	20.32702	126.75573	215.13281	7.74840	0.1012091	0.19461105	2.9491106	21	10 26.3	19.4
144781 2004 HZ_{29}	16.7	X	359.93399	250.57380	259.46124	3.25700	0.0813241	0.27790117	2.3256399	21	—	—
144782 2004 HH_{30}	15.2	X	7.26215	263.79606	32.48380	8.10324	0.0536496	0.18507590	3.0495527	21	8 5.9	19.3
144783 2004 HO_{30}	15.0	X	17.36901	78.02831	214.15001	10.61949	0.1706599	0.18364176	3.0654089	21	8 17.8	18.7
144784 2004 HR_{30}	16.0	X	76.04090	274.63399	227.70554	5.19487	0.1028312	0.23079472	2.6321995	21	4 21.7	19.2
144785 2004 HC_{31}	15.6	X	113.56243	178.43046	329.15635	12.23314	0.1926751	0.24069977	2.5594831	21	7 2.0	19.6
144786 2004 HT_{35}	15.7	X	229.70334	338.55361	227.45411	10.23191	0.0806042	0.20649705	2.8348287	21	—	—
144787 2004 HQ_{38}	15.2	X	271.71673	3.21411	179.84849	12.83647	0.1381203	0.20985422	2.8045138	21	—	—
144788 2004 HX_{42}	15.4	X	42.23155	249.92641	33.00272	10.46679	0.0461463	0.18780765	3.0199091	21	9 8.6	19.6
144789 2004 HF_{43}	16.0	X	161.11071	227.03874	156.36292	6.54600	0.0269834	0.22353177	2.6889117	21	2 26.8	19.5
144790 2004 HT_{43}	15.2	X	25.95417	83.34906	227.79022	10.70040	0.1230881	0.18982344	2.9984915	21	9 23.0	19.0
144791 2004 HY_{43}	16.4	X	56.21706	13.96787	326.53443	4.80606	0.1522711	0.31344325	2.1463313	21	—	—
144792 2004 HD_{46}	14.5	X	285.68431	61.35100	241.13963	25.90856	0.2000307	0.17110142	3.2134161	21	3 22.6	19.8
144793 2004 HD_{47}	15.8	X	338.09965	18.57802	122.58212	7.87972	0.0879515	0.21685712	2.7438072	21	—	—
144794 2004 HF_{47}	14.9	X	314.67380	239.37534	78.00757	12.23289	0.0967296	0.18132898	3.0914192	21	6 9.1	18.8
144795 2004 HV_{47}	15.1	X	132.48360	105.80079	341.23795	10.92078	0.1781102	0.23315659	2.6143933	21	4 26.2	19.2
144796 2004 HV_{48}	15.4	X	65.91089	223.90456	14.64696	10.14212	0.0980742	0.18429726	3.0581361	21	8 20.6	19.7
144797 2004 HM_{49}	14.5	X	195.56765	242.06948	76.35290	9.31722	0.1596425	0.16056117	3.3525534	21	2 2.8	20.1
144798 2004 HX_{50}	15.7	X	120.22587	275.76469	231.09736	26.71335	0.1852098	0.24248843	2.5468813	21	6 29.6	20.0
144799 2004 HX_{54}	15.4	X	44.35293	354.24512	217.20096	12.22631	0.1156975	0.23521706	2.5991031	21	6 10.2	18.5
144800 2004 HC_{55}	15.1	X	39.71595	91.99426	162.61742	11.77687	0.0421855	0.18556496	3.0441922	21	7 22.9	19.4

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
144801	2004 HF_{55}	16.0	X	184.29430	6.62237	87.20259	8.57044	0.1923512	0.24499116	2.5295063	21	6 27.1	20.1
144802	2004 HH_{55}	14.5	X	286.08221	199.03120	129.00060	17.29686	0.2233749	0.17658699	3.1465182	21	5 3.9	19.4
144803	2004 HL_{56}	13.9	X	222.12372	254.90615	128.71361	26.99681	0.1705090	0.17478601	3.1680955	21	5 17.1	19.6
144804	2004 HU_{58}	15.9	X	101.86772	273.31089	213.09169	3.10701	0.0773799	0.23130785	2.6283052	21	5 3.3	19.4
144805	2004 HD_{59}	15.3	X	287.74791	63.11039	220.56608	8.77260	0.0446903	0.16889434	3.2413504	21	3 28.9	19.9
144806	2004 HC_{61}	15.6	X	33.40520	82.15174	195.98890	5.46318	0.2028506	0.18550417	3.0448572	21	9 3.8	19.1
144807	2004 HV_{63}	15.9	X	355.80997	199.11643	111.78913	10.75553	0.1327567	0.23874178	2.5734581	21	8 10.7	18.5
144808	2004 HD_{64}	15.5	X	93.38506	31.48814	110.77741	13.93465	0.2220625	0.23394073	2.6085479	21	6 6.5	19.2
144809	2004 HV_{72}	15.7	X	309.60546	53.81534	222.20613	2.69698	0.1618210	0.17036519	3.2226673	21	3 31.4	20.0
144810	2004 HE_{74}	14.9	X	222.41027	356.14766	28.99866	7.62831	0.0487113	0.17468245	3.1693475	21	5 15.7	19.7
144811	2004 HK_{74}	15.6	X	244.73908	3.92151	265.99150	7.22410	0.0832442	0.21804439	2.7338379	21	1 12.4	19.7
144812	2004 JX	15.3	X	343.72304	75.81379	227.54417	8.44713	0.0295790	0.18092963	3.0959665	21	7 7.7	19.6
144813	2004 JU_{1}	15.0	X	106.31606	250.61321	327.64700	7.72008	0.0669567	0.18750944	3.0231100	21	9 4.2	19.3
144814	2004 JL_{2}	15.5	X	59.11786	305.12703	232.12925	3.66834	0.0705722	0.17422659	3.1748735	21	5 14.9	19.8
144815	2004 JP_{2}	15.8	X	203.22909	217.39557	8.04342	8.36566	0.1056083	0.20523210	2.8464651	21	12 27.1	20.2
144816	2004 JL_{4}	15.4	X	314.04136	274.90483	221.87746	14.79103	0.1932731	0.21121051	2.7924948	21	—	—
144817	2004 JB_{5}	15.2	X	84.08953	217.22386	345.46167	11.40073	0.0545616	0.18179088	3.0861805	21	7 21.2	19.6
144818	2004 JD_{5}	15.0	X	321.80838	249.36936	38.91377	9.78535	0.0522789	0.17428793	3.1741285	21	5 16.9	19.2
144819	2004 JS_{5}	14.8	X	219.43084	10.10202	99.39170	12.19506	0.0670798	0.19196769	2.9761213	21	8 31.2	19.3
144820	2004 JW_{5}	15.3	X	102.97420	18.58804	120.47245	27.06968	0.0691077	0.23401062	2.6080285	21	5 29.7	19.4
144821	2004 JB_{6}	15.6	X	287.88223	120.73118	101.86014	26.58050	0.1924901	0.27459871	2.3442489	21	—	—
144822	2004 JF_{12}	14.7	X	70.80030	275.31277	258.50289	9.13739	0.0790730	0.17862841	3.1224993	21	5 27.4	18.8
144823	2004 JU_{13}	15.5	X	10.72687	205.27258	47.29331	2.02233	0.0883686	0.17822626	3.1271947	21	6 11.2	19.4
144824	2004 JZ_{13}	15.0	X	312.07506	314.03250	37.59974	11.00396	0.0801683	0.18266938	3.0762777	21	7 26.3	19.2
144825	2004 JB_{15}	15.1	X	328.18502	85.45523	183.52825	5.31828	0.1454514	0.17121799	3.2119574	21	4 22.3	19.1
144826	2004 JP_{15}	16.7	X	298.10380	87.58596	96.89596	3.82023	0.1178867	0.27053544	2.3676633	21	—	—
144827	2004 JF_{16}	15.5	X	113.93837	10.10865	206.42869	7.23438	0.0749664	0.18919719	3.0051046	21	9 11.0	20.0
144828	2004 JL_{16}	15.7	X	269.33954	35.18772	200.30148	7.79255	0.1640609	0.21604199	2.7507045	21	—	—
144829	2004 JV_{16}	16.2	X	132.45321	109.87730	51.02748	3.58515	0.1225401	0.24242405	2.5473322	21	8 1.5	20.0
144830	2004 JQ_{17}	15.5	X	87.66604	304.44909	231.08615	3.98413	0.2161964	0.17983171	3.1085549	21	7 10.1	20.0
144831	2004 JN_{21}	15.7	X	122.48246	142.38062	44.27047	9.74653	0.0517674	0.18611369	3.0382057	21	8 18.3	20.2
144832	2004 JE_{23}	15.4	X	47.27740	177.88167	85.62739	2.35031	0.1137153	0.18437005	3.0573311	21	8 26.3	19.3
144833	2004 JM_{24}	15.7	X	125.52077	195.61547	63.38813	1.57847	0.1056540	0.19808403	2.9145381	21	11 19.1	20.2
144834	2004 JR_{24}	15.7	X	43.91930	289.38943	230.09423	10.56966	0.1315457	0.22796647	2.6539256	21	3 24.2	18.8
144835	2004 JC_{26}	15.4	X	30.80360	25.21257	239.98901	15.87255	0.1990534	0.18122166	3.0926396	21	8 5.8	19.3
144836	2004 JR_{28}	15.3	X	111.73251	213.79506	207.48545	11.65356	0.1918709	0.22483645	2.6784995	21	3 5.7	19.2
144837	2004 JG_{29}	15.1	X	22.77995	205.03771	79.40186	6.98223	0.0833671	0.18321479	3.0701696	21	8 14.7	19.0
144838	2004 JM_{30}	16.2	X	160.42708	160.15161	116.16282	3.47065	0.1983942	0.25966398	2.4332958	21	—	—
144839	2004 JJ_{31}	15.2	X	72.29557	330.05797	211.91603	12.37474	0.2312529	0.23400060	2.6081030	21	6 30.5	18.7
144840	2004 JX_{35}	12.4	X	63.75823	72.45496	251.59122	4.34131	0.0518749	0.07986150	5.3404486	21	11 5.4	19.3
144841	2004 JB_{37}	15.2	X	320.47962	89.15212	237.98869	9.21189	0.0915030	0.17997337	3.1069234	21	6 30.5	19.3
144842	2004 JF_{37}	14.9	X	262.12159	326.67498	351.94339	4.57454	0.1391374	0.16891524	3.2410830	21	3 31.2	19.8
144843	2004 JH_{38}	15.6	X	166.62210	297.21022	179.18883	14.05084	0.1214712	0.24024898	2.5626838	21	7 7.4	19.8
144844	2004 JD_{41}	16.5	X	278.29127	298.27726	297.34396	4.92565	0.0889298	0.27648793	2.3335580	21	—	—
144845	2004 JM_{42}	15.9	X	342.52393	130.09608	154.41143	0.95725	0.1334415	0.17686596	3.1432087	21	6 5.8	19.4
144846	2004 JW_{46}	16.4	X	107.55913	346.68194	340.19653	1.35984	0.0591587	0.20653813	2.8344527	21	—	—
144847	2004 JP_{49}	16.0	X	31.88860	327.05778	254.90596	4.11909	0.0938133	0.17641403	3.1485745	21	6 4.5	20.0
144848	2004 KB_{3}	15.5	X	331.39189	293.75774	42.56910	9.71426	0.0878292	0.18371885	3.0645514	21	8 4.1	19.5
144849	2004 KG_{3}	15.0	X	348.79056	236.29614	63.98948	10.26018	0.0582192	0.18031380	3.1030116	21	7 12.1	19.1
144850	2004 KY_{5}	16.2	X	314.93433	122.34974	112.39631	2.57116	0.0791982	0.22311145	2.6922877	21	2 19.9	19.7
144851	2004 KK_{7}	14.3	X	339.11027	212.44873	116.46853	4.02794	0.2327722	0.12276880	4.0093814	21	7 21.1	18.7
144852	2004 KU_{7}	15.2	X	355.30682	91.08274	224.69068	8.83196	0.0747978	0.18255561	3.0775557	21	8 7.3	19.3
144853	2004 KW_{8}	15.4	X	79.31918	69.14564	194.44880	7.37021	0.0716198	0.18931018	3.0039088	21	9 30.5	19.7
144854	2004 KA_{10}	15.1	X	291.34322	318.77272	261.42599	16.41844	0.1160859	0.21646129	2.7471512	21	—	—
144855	2004 KF_{10}	15.5	X	41.75083	165.48696	16.59173	8.91040	0.1637649	0.17334705	3.1856036	21	5 3.5	19.3
144856	2004 KH_{10}	15.9	X	13.08317	171.03041	91.31510	10.43249	0.0592229	0.23559778	2.5963023	21	6 26.5	18.8
144857	2004 LT_{7}	15.6	X	22.27370	246.08544	75.07167	3.91964	0.2029685	0.23971496	2.5664883	21	10 25.6	18.2
144858	2004 LT_{9}	15.3	X	6.08565	284.87834	285.02463	10.91487	0.1371942	0.22194667	2.7016990	21	3 23.4	18.6
144859	2004 LG_{10}	16.6	X	295.25780	30.41136	104.99337	2.65168	0.1174176	0.26456479	2.4031526	21	—	—
144860	2004 LJ_{11}	16.1	X	76.30672	152.67703	16.45892	2.42058	0.1142414	0.23355450	2.6114230	21	5 31.3	19.3
144861	2004 LA_{12}	15.4	X	49.52927	199.43704	159.22467	39.42983	0.7491954	0.24799192	2.5090599	21	—	—
144862	2004 LK_{13}	14.8	X	64.31443	7.39089	249.13217	9.28981	0.2568595	0.18470786	3.0536022	21	9 25.2	19.3
144863	2004 LW_{13}	15.1	X	133.59512	15.35281	228.03093	10.15830	0.0728908	0.19267817	2.9688007	21	11 6.2	19.5
144864	2004 LC_{15}	15.5	X	16.95909	215.01465	111.03749	13.47693	0.1959890	0.23854282	2.5748888	21	10 27.6	18.5
144865	2004 LD_{15}	14.3	X	335.92444	239.11257	87.77706	18.52354	0.1397527	0.17492297	3.1664416	21	7 22.7	18.2
144866	2004 LX_{16}	14.1	X	22.69106	69.03142	251.33188	9.80231	0.3118099	0.12515506	3.9582551	21	10 15.8	18.6
144867	2004 LA_{17}	15.9	X	56.23779	321.35696	300.34398	3.35872	0.1427654	0.24085676	2.5583708	21	9 12.7	19.2
144868	2004 LW_{29}	15.1	X	129.85593	304.32286	275.16798	9.72532	0.0133930	0.18239782	3.0793304	21	9 23.8	19.6
144869	2004 MQ	16.1	X	336.77840	19.42956	158.71059	4.97648	0.2184233	0.21906867	2.7253097	21	—	—
144870	2004 MA_{8}	14.3	X	349.24582	185.49231	32.68676	13.15138	0.5466043	0.16663601	3.2705702	21	1 18.9	18.0
144871	2004 NN_{1}	15.7	X	7.28213	147.33270	175.23086	1.73906	0.2088792	0.17795420	3.1303812	21	9 16.9	18.9
144872	2004 NN_{12}	14.9	X	86.87026	209.04083	102.50449	11.31415	0.1277239	0.18862668	3.0111610	21	12 13.7	19.4
144873	2004 NT_{19}	14.8	X	22.48000	51.59006	278.52401	16.54287	0.0942124	0.18188057	3.0851659	21	10 2.7	19.2
144874	2004 NV_{30}	16.3	X	157.15207	261.43851	111.95875	2.34913	0.1917471	0.26560261	2.3968885	21	2 20.5	19.9
144875	2004 OX	16.1	X	51.76406	261.47882	33.70168	4.07750	0.1832223	0.24077103	2.5589780	21	10 29.5	19.4
144876	2004 OB_{1}	14.8	X	108.42697	163.45310	119.61223	12.61360	0.1091429	0.19347388	2.9606552	21	12 2.7	19.5
144877	2004 OS_{5}	15.1	X	341.00660	258.18503	117.65814	10.16922	0.1023446	0.18170323	3.0871729	21	10 11.9	19.0
144878	2004 RO_{13}	14.5	X	30.57520	7.84146	233.21153	14.66265	0.1785712	0.17146224	3.2089064	21	7 4.3	18.5
144879	2004 RS_{39}	15.1	X	115.73458	198.29917	352.14862	12.37600	0.1948629	0.23028464	2.6360850	21	8 29.2	19.3
144880	2004 RU_{56}	14.9	X	104.96056	138.99927	118.02645	6.01090	0.1185517	0.17941738	3.1133388	21	10 28.5	19.7

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
144881	2004 RM_{99}	15.0	X	1.34884	49.73544	321.18927	6.28499	0.0507622	0.17917353	3.1161629	21	10 25.9	19.2
144882	2004 RP_{106}	15.0	X	75.58125	38.58832	359.31056	14.92405	0.1003379	0.19107436	2.9853903	21	—	—
144883	2004 RM_{110}	17.0	X	283.54651	281.12441	195.90577	21.35850	0.1032495	0.35882704	1.9613086	21	—	—
144884	2004 RQ_{113}	16.1	X	258.90958	227.81555	158.01306	3.08207	0.1043564	0.22533665	2.6745343	21	6 22.2	19.9
144885	2004 RH_{116}	14.4	X	241.66388	234.20800	138.91434	9.52305	0.1247031	0.15940160	3.3687926	21	5 20.2	19.7
144886	2004 RJ_{141}	15.6	X	157.81709	2.22271	8.63257	1.92191	0.0814108	0.20374424	2.8603059	21	2 16.4	19.7
144887	2004 RD_{165}	14.8	X	185.02952	207.34152	288.72344	12.17852	0.0467852	0.17288647	3.1912589	21	8 17.1	19.6
144888	2004 RZ_{192}	14.6	X	44.56874	347.63574	334.48050	8.28148	0.0711211	0.17667028	3.1455292	21	10 24.6	19.0
144889	2004 RZ_{213}	14.2	X	113.83024	322.18032	334.34615	21.39809	0.0654923	0.18263414	3.0766734	21	12 17.4	19.2
144890	2004 RG_{288}	16.1	X	332.58496	244.56610	173.12694	4.67146	0.2547549	0.23372523	2.6101511	21	12 4.9	17.9
144891	2004 RC_{289}	16.9	X	253.87970	289.33676	222.41350	19.45343	0.0873165	0.35859501	1.9621546	21	12 31.9	19.1
144892	2004 SJ_{3}	15.7	X	269.51108	33.83376	220.91471	3.71015	0.2382958	0.21056983	2.7981562	21	1 8.9	20.3
144893	2004 ST_{4}	16.8	X	80.98938	344.04163	17.49830	6.99315	0.2143839	0.30360361	2.1924587	21	—	—
144894	2004 SY_{5}	13.9	X	350.43001	135.78021	305.48840	2.06398	0.1428477	0.12672148	3.9255685	21	12 30.7	18.8
144895	2004 TO_{65}	15.7	X	249.72663	234.27247	124.87627	9.95112	0.1734438	0.21468959	2.7622441	21	5 4.8	20.2
144896	2004 TT_{308}	17.0	X	79.53534	10.27628	292.90234	1.36138	0.1231484	0.29719759	2.2238519	21	12 12.8	19.8
144897	2004 UX_{10}	4.4	X	97.86213	156.75725	147.79144	9.52748	0.0441053	0.00403238	39.0926716	21	11 12.8	20.4
144898	2004 VD_{17}	18.8	X	27.47140	90.95834	224.00326	4.22416	0.5888510	0.53235303	1.5077739	21	—	—
144899	2004 VX_{34}	15.8	X	283.86255	105.15031	60.04225	11.60236	0.0673487	0.24235284	2.5478312	21	—	—
144900	2004 VG_{64}	18.3	X	228.43003	43.92539	208.86165	36.25466	0.6555346	1.03434624	0.9683345	21	—	—
144901	2004 WG_{1}	17.4	X	68.02404	232.47215	42.00074	13.03973	0.5215708	0.46928389	1.6400067	21	12 11.2	20.6
144902	2004 XO_{12}	16.4	X	77.71697	106.16850	94.73523	7.04327	0.0587757	0.26962319	2.3730008	21	7 8.6	19.1
144903	2004 XD_{22}	15.1	X	175.49319	235.03925	255.54152	14.04269	0.1609006	0.21252996	2.7809250	21	7 30.6	19.9
144904	2004 XD_{26}	15.8	X	249.09545	30.74714	58.18706	5.80589	0.0847027	0.21848374	2.7301717	21	9 7.9	19.6
144905	2004 XY_{27}	16.0	X	194.68708	89.77879	89.00083	3.21270	0.0885155	0.22547047	2.6734758	21	10 27.8	19.9
144906	2004 XE_{128}	16.2	X	46.34661	33.47097	359.70237	1.50981	0.0902583	0.23799111	2.5788667	21	—	—
144907	Whitehorne	16.0	X	112.67546	45.75691	31.33865	0.50211	0.1097762	0.19308267	2.9646529	21	3 22.9	20.2
144908	2004 YH_{32}	12.9	X	246.36388	348.65143	47.73958	79.08370	0.5655722	0.04223867	8.1657464	21	5 7.1	23.5
144909	2004 YO_{33}	15.7	X	338.43135	218.76022	287.17621	5.75932	0.2578380	0.18076469	3.0978495	21	—	—
144910	2005 AX_{15}	15.6	X	147.87584	286.88544	178.76748	1.84971	0.0185019	0.20221070	2.8747492	21	5 29.1	19.5
144911	2005 AS_{27}	16.0	X	208.80102	286.91080	346.57427	18.57509	0.0568788	0.35900171	1.9606724	21	—	—
144912	2005 AY_{32}	15.6	X	1.48605	109.95682	34.75554	0.67800	0.1017834	0.18257415	3.0773474	21	1 7.3	19.3
144913	2005 AB_{39}	15.5	X	0.95059	106.93050	105.78307	11.41424	0.0803169	0.19277055	2.9678522	21	4 8.7	19.4
144914	2005 AK_{40}	15.8	X	351.59492	229.64468	47.27330	2.60149	0.0265825	0.20422087	2.8558538	21	6 14.7	19.7
144915	2005 AQ_{45}	15.6	X	153.88330	265.65151	316.34680	22.17806	0.2323499	0.27923431	2.3182318	21	11 1.2	20.2
144916	2005 AY_{69}	15.8	X	309.25513	253.51283	9.90156	1.98659	0.1539238	0.19175932	2.9782768	21	3 14.4	19.9
144917	2005 BJ_{6}	16.6	X	213.34300	251.76376	317.04140	6.10579	0.2005445	0.28648865	2.2789306	21	12 21.3	19.9
144918	2005 BV_{26}	16.6	X	272.38828	49.55022	146.81755	6.08211	0.1891023	0.29192191	2.2505651	21	—	—
144919	2005 BA_{27}	16.3	X	216.12562	266.79702	11.97000	22.32968	0.1094564	0.35850192	1.9624942	21	—	—
144920	2005 BN_{29}	16.8	X	91.94541	63.64955	343.89286	17.41431	0.1172658	0.36005215	1.9568571	21	—	—
144921	2005 CE_{25}	16.3	X	233.85447	86.40228	129.78425	3.92344	0.1324286	0.28591533	2.2819761	21	—	—
144922	2005 CK_{38}	17.3	X	65.66486	213.75339	8.74105	8.23029	0.4113822	0.31617733	2.1339401	21	9 19.1	20.3
144923	2005 CQ_{43}	16.1	X	193.78224	237.90342	325.92843	3.61786	0.1711815	0.28089992	2.3090587	21	11 25.7	19.5
144924	2005 CX_{48}	14.8	X	134.44789	276.07266	338.60215	17.87793	0.2293068	0.21467705	2.7623517	21	11 23.1	19.9
144925	2005 CO_{50}	16.6	X	219.33703	33.83290	156.51672	5.65622	0.0972235	0.28317104	2.2966959	21	12 18.0	19.5
144926	2005 CL_{51}	16.4	X	194.68266	292.58862	328.32791	7.07062	0.1168413	0.28859196	2.2678443	21	—	—
144927	2005 CF_{52}	17.1	X	166.43949	290.11672	288.28870	1.68935	0.1481753	0.27688235	2.3313413	21	11 18.9	20.7
144928	2005 CH_{52}	16.9	X	163.84980	344.29612	227.70010	1.65530	0.1200525	0.27604798	2.3360367	21	11 9.6	20.4
144929	2005 CP_{61}	16.7	X	352.28889	264.52038	335.04475	17.11538	0.0703170	0.37379211	1.9086046	21	3 22.1	18.4
144930	2005 CZ_{67}	16.4	X	208.59925	273.04857	108.39570	2.06985	0.1932172	0.25949330	2.4343627	21	4 18.1	20.3
144931	2005 ED_{2}	16.5	X	50.47465	185.58525	345.99181	20.39322	0.0401874	0.37247397	1.9131048	21	3 20.3	18.1
144932	2005 EQ_{7}	16.7	X	42.10481	78.52684	160.73489	2.77485	0.1360386	0.25674528	2.4517023	21	7 20.4	19.2
144933	2005 EA_{8}	16.5	X	157.44327	322.00498	3.95394	8.26425	0.1532997	0.29030254	2.2589268	21	—	—
144934	2005 EZ_{9}	17.0	X	136.32887	25.14028	191.17459	1.03115	0.1345067	0.27052629	2.3677167	21	10 18.1	20.5
144935	2005 ES_{10}	16.4	X	90.63404	301.77272	327.84705	6.20791	0.0905674	0.27200712	2.3591155	21	11 1.3	19.8
144936	2005 EQ_{13}	17.1	X	134.30287	217.93711	40.73086	2.85730	0.1996744	0.27578161	2.3375407	21	12 9.0	21.0
144937	2005 EP_{15}	16.7	X	63.31858	242.82485	350.72644	3.78051	0.1226555	0.26147413	2.4220526	21	8 15.2	19.4
144938	2005 EC_{16}	16.7	X	113.82444	63.59090	134.79656	1.36250	0.1093499	0.26488972	2.4011870	21	8 29.5	20.0
144939	2005 EJ_{16}	16.9	X	293.48075	221.20666	349.84042	6.19163	0.0959882	0.29703947	2.2246410	21	—	—
144940	2005 EO_{19}	16.1	X	206.76092	278.45188	355.21453	7.47938	0.2659357	0.22752173	2.6573829	21	—	—
144941	2005 EW_{23}	16.1	X	49.59888	70.58057	168.91027	6.06774	0.0536852	0.26101693	2.4248801	21	7 20.2	19.0
144942	2005 EB_{24}	16.6	X	204.35474	176.54228	45.50920	2.69723	0.1660590	0.28165732	2.3049174	21	12 31.8	19.9
144943	2005 EG_{24}	15.9	X	142.50980	129.21104	149.28110	10.46952	0.2318741	0.27955196	2.3164754	21	—	—
144944	2005 EY_{26}	16.9	X	68.10935	244.02087	11.87632	0.91975	0.1440461	0.26469129	2.4023869	21	9 25.3	19.8
144945	2005 EC_{29}	16.8	X	108.22530	108.19627	358.88408	19.66677	0.0873922	0.37048930	1.9199309	21	3 26.9	18.5
144946	2005 EJ_{31}	16.2	X	322.39259	266.88125	13.46615	4.38769	0.0603433	0.25082204	2.4901504	21	4 30.0	19.2
144947	2005 ES_{31}	15.2	X	25.83470	295.11899	156.23527	16.98903	0.2366867	0.17691552	3.1426217	21	—	—
144948	2005 EB_{32}	15.6	X	109.84645	95.45762	161.12228	13.41344	0.1796846	0.21192157	2.7862448	21	11 11.1	20.3
144949	2005 EG_{35}	16.9	X	125.34228	319.93862	288.07317	1.33645	0.1804616	0.27047667	2.3680062	21	11 17.4	20.7
144950	2005 EQ_{35}	16.7	X	262.17114	208.22712	335.78098	6.65638	0.0441804	0.28667674	2.2779337	21	—	—
144951	2005 EE_{37}	15.5	X	137.05263	206.03637	38.78317	24.66947	0.1357016	0.27044078	2.3682157	21	11 18.7	19.3
144952	2005 EC_{38}	16.4	X	209.56710	45.52299	201.19118	5.64951	0.1459076	0.28646361	2.2790634	21	—	—
144953	2005 ER_{41}	16.3	X	117.05774	44.51300	164.82731	6.54722	0.0551784	0.26533438	2.3985036	21	9 11.9	19.5
144954	2005 EH_{44}	16.5	X	51.99101	300.99028	352.30458	2.31308	0.1859648	0.26730796	2.3866833	21	10 30.9	19.6
144955	2005 ER_{45}	15.7	X	169.92526	259.87337	1.26603	5.15714	0.1923847	0.22105486	2.7089605	21	—	—
144956	2005 EM_{47}	16.8	X	0.01702	344.93102	342.52647	4.35203	0.1964200	0.26567700	2.3964410	21	9 20.9	18.6
144957	2005 EW_{47}	16.8	X	159.14358	83.07595	140.90938	2.65147	0.1799700	0.27568940	2.3380619	21	11 19.1	20.5
144958	2005 EV_{50}	16.5	X	111.69485	76.21765	180.43536	7.03483	0.0884604	0.27323060	2.3520678	21	11 12.8	19.8
144959	2005 EX_{58}	17.2	X	125.31763	83.76057	170.45166	2.46681	0.1763074	0.27256889	2.3558729	21	11 26.0	20.9
144960	2005 EN_{77}	16.6	X	130.41836	132.30960	137.79236	2.91024	0.1387735	0.27874089	2.3209668	21	12 20.1	20.2

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
144961 2005 EP_{77}	16.6	X	158.06004	127.49937	141.83011	7.31317	0.1013741	0.28375420	2.2935481	21	—	—
144962 2005 EZ_{77}	16.6	X	50.76135	10.48323	248.64420	2.02458	0.1521234	0.26306592	2.4122723	21	9 5.1	19.3
144963 2005 EZ_{79}	16.3	X	49.57851	204.57459	30.06594	2.44215	0.1795307	0.25648267	2.4533756	21	8 4.6	18.8
144964 2005 EC_{80}	16.5	X	71.83720	268.54456	13.24923	6.75014	0.1249111	0.27107128	2.3645420	21	10 31.3	19.7
144965 2005 EA_{86}	16.3	X	98.51796	188.23730	98.97320	3.27638	0.2099369	0.27363536	2.3497477	21	12 14.2	19.9
144966 2005 EA_{90}	16.1	X	49.79640	205.12946	100.73053	6.00357	0.1861540	0.26914791	2.3757936	21	11 16.8	19.1
144967 2005 EX_{92}	15.6	X	336.16179	307.69286	3.81634	6.33515	0.1444642	0.25922720	2.4360283	21	6 30.5	18.0
144968 2005 EY_{93}	14.8	X	283.54510	112.72748	161.75136	26.27587	0.2145987	0.17715024	3.1398451	21	2 19.6	19.7
144969 2005 EH_{95}	16.5	X	352.93679	217.41086	17.09418	21.16728	0.0489404	0.37169769	1.9157675	21	3 30.4	17.9
144970 2005 EE_{101}	16.2	X	34.94423	155.44190	126.09210	6.64216	0.2336225	0.26006068	2.4308207	21	9 30.7	18.8
144971 2005 EY_{108}	16.4	X	191.73955	29.69070	222.88727	4.96479	0.1521666	0.28491606	2.2873086	21	—	—
144972 2005 EM_{119}	16.5	X	168.39354	267.60853	23.66795	6.00801	0.1401875	0.28622431	2.2803335	21	—	—
144973 2005 EP_{124}	16.5	X	279.93507	267.95412	340.78902	4.67273	0.1410454	0.29835327	2.2181054	21	1 5.4	19.8
144974 2005 EH_{125}	16.8	X	59.69636	218.32867	175.35173	6.56198	0.0945587	0.28748087	2.2736839	21	—	—
144975 2005 EB_{126}	16.3	X	4.08603	347.80890	329.52557	1.76048	0.2203895	0.26388475	2.4072795	21	9 16.9	17.9
144976 2005 EV_{126}	16.4	X	286.80393	252.36985	14.08946	5.59523	0.1424444	0.29981517	2.2108892	21	2 5.9	19.4
144977 2005 EC_{127}	17.1	X	214.68672	312.74713	336.83821	4.74829	0.1729738	0.29912347	2.2142962	21	—	—
144978 2005 EY_{131}	16.6	X	10.38897	98.39635	354.79997	18.25537	0.0899515	0.35480106	1.9761176	21	—	—
144979 2005 EE_{137}	16.1	X	49.74537	310.75285	22.60759	6.14804	0.2550673	0.26992753	2.3712168	21	12 30.0	19.6
144980 2005 EK_{139}	16.0	X	233.82417	91.96730	145.90987	2.75948	0.1472096	0.22626011	2.6672520	21	—	—
144981 2005 EM_{142}	16.8	X	163.09830	191.07110	95.34578	3.89649	0.1577058	0.28253549	2.3001388	21	—	—
144982 2005 EZ_{142}	16.1	X	289.72304	133.13448	150.45509	6.59799	0.2150966	0.24187580	2.5511800	21	3 1.5	19.8
144983 2005 EM_{148}	17.5	X	10.99386	203.54204	82.96097	3.01906	0.1656600	0.31781236	2.1266149	21	8 12.5	18.7
144984 2005 EK_{150}	17.1	X	245.92377	266.48314	40.01878	7.14545	0.0661490	0.30165986	2.2018667	21	2 20.2	20.0
144985 2005 EE_{152}	16.4	X	294.95771	94.54468	160.59942	5.12580	0.1548611	0.23969833	2.5666070	21	2 6.2	19.9
144986 2005 ET_{154}	17.0	X	50.57041	201.03693	31.45074	2.74319	0.1488163	0.25593611	2.4568671	21	7 28.6	19.6
144987 2005 EQ_{155}	16.9	X	205.17338	290.02487	13.59384	3.95584	0.1692176	0.29232693	2.2484859	21	1 4.1	20.4
144988 2005 EC_{164}	16.9	X	82.84090	75.66919	194.86834	1.87942	0.1964345	0.26601418	2.3944155	21	11 7.4	20.4
144989 2005 EV_{171}	16.3	X	124.49500	8.96928	251.39761	7.07022	0.0786513	0.27623261	2.3349957	21	11 30.1	19.6
144990 2005 ES_{179}	17.3	X	119.98528	50.46013	211.95454	1.64473	0.1449597	0.27399106	2.3477136	21	11 30.2	20.9
144991 2005 EH_{182}	15.3	X	141.86129	108.52617	166.57525	7.96303	0.1928867	0.21725054	2.7404937	21	12 26.7	20.0
144992 2005 EM_{182}	16.9	X	236.76438	33.99956	208.39956	5.01678	0.2086710	0.28824045	2.2696876	21	—	—
144993 2005 EH_{185}	16.6	X	325.38708	280.68951	200.47680	21.24075	0.0623982	0.34758820	2.0033617	21	—	—
144994 2005 EO_{186}	16.3	X	259.10016	190.14425	65.57799	6.51773	0.1672088	0.29378786	2.2410256	21	—	—
144995 2005 EA_{187}	16.7	X	57.75666	307.78380	5.35169	6.66924	0.0996268	0.27035347	2.3687256	21	11 20.5	19.9
144996 2005 EA_{188}	17.2	X	254.22923	206.29427	358.10442	5.22914	0.1768656	0.28619839	2.2804712	21	—	—
144997 2005 EH_{196}	16.6	X	99.50549	134.81615	189.42934	7.61289	0.1377279	0.28054801	2.3109893	21	—	—
144998 2005 EY_{198}	17.0	X	228.04740	78.91954	201.39546	6.88146	0.1454285	0.29218600	2.2492088	21	—	—
144999 2005 EJ_{199}	15.6	X	103.42443	247.76090	17.55284	7.59900	0.1790634	0.20913033	2.8109818	21	11 10.2	20.2
145000 2005 EH_{200}	16.5	X	200.76218	99.12278	144.87743	2.96574	0.2304443	0.27965759	2.3158920	21	—	—
145001 2005 EW_{203}	17.1	X	251.21947	150.91620	115.48435	3.41658	0.0801779	0.30287156	2.1959902	21	—	—
145002 2005 EY_{204}	16.6	X	5.83967	282.54604	357.62421	5.79474	0.1827554	0.25372568	2.4711158	21	7 16.8	18.6
145003 2005 EZ_{205}	16.3	X	105.68576	321.24174	20.58183	7.83146	0.1441287	0.28476938	2.2880940	21	—	—
145004 2005 ER_{206}	16.9	X	306.45380	199.26853	321.18305	2.45841	0.0620305	0.28957076	2.2627309	21	—	—
145005 2005 ES_{212}	15.5	X	255.16743	78.10398	143.25500	14.61985	0.1406934	0.22678538	2.6631319	21	—	—
145006 2005 EH_{214}	16.2	X	189.07699	297.33011	333.91764	6.24943	0.1156779	0.28554238	2.2839626	21	—	—
145007 2005 ER_{219}	15.3	X	142.18510	98.39614	188.44063	10.93347	0.1973553	0.21661854	2.7458215	21	—	—
145008 2005 EO_{221}	15.8	X	273.29853	193.49475	42.75950	27.15968	0.1371122	0.29068543	2.2569427	21	—	—
145009 2005 EW_{221}	16.5	X	90.78897	75.23636	191.31741	5.83689	0.0799919	0.26892759	2.3770910	21	10 30.5	19.7
145010 2005 EE_{222}	16.9	X	92.40759	34.41763	237.74845	0.99510	0.0541888	0.27133469	2.3630115	21	11 5.3	19.9
145011 2005 ET_{236}	15.4	X	260.23503	233.01969	28.11523	14.57831	0.1630680	0.23306628	2.6150686	21	1 13.3	19.8
145012 2005 EU_{236}	14.5	X	311.24061	276.19689	29.73007	18.22951	0.4017932	0.18433797	3.0576857	21	4 6.5	18.7
145013 2005 EO_{237}	16.9	X	188.65308	323.55113	9.11416	6.47181	0.1449420	0.29843551	2.2176979	21	1 23.9	20.2
145014 2005 EC_{240}	16.3	X	256.47339	164.21420	143.31139	2.52450	0.1352180	0.24404194	2.5360612	21	3 5.2	20.2
145015 2005 ES_{240}	16.7	X	71.31110	11.44751	242.56662	1.58366	0.2053704	0.26779036	2.3838161	21	10 5.0	19.8
145016 2005 EE_{242}	15.4	X	187.75285	208.79329	30.36477	11.10473	0.2440564	0.22091335	2.7101172	21	12 19.2	20.2
145017 2005 ED_{246}	17.0	X	149.98509	240.56853	18.29759	2.32984	0.2067282	0.27687098	2.3314052	21	12 22.4	20.7
145018 2005 EP_{247}	17.0	X	75.40498	280.76584	22.55559	1.55461	0.1957262	0.27170959	2.3608373	21	12 11.4	20.6
145019 2005 EB_{250}	15.4	X	119.90581	203.07517	134.06478	5.68582	0.1871689	0.23054046	2.6341345	21	—	—
145020 2005 EA_{253}	16.1	X	37.36781	306.87725	284.82560	3.03004	0.1232499	0.25334429	2.4735952	21	6 28.7	18.5
145021 2005 EB_{257}	16.0	X	105.16240	271.68525	338.33428	13.20099	0.1157813	0.26901949	2.3765496	21	10 21.6	19.7
145022 2005 EC_{259}	17.2	X	353.69849	164.19496	181.75869	1.43084	0.1329934	0.26646526	2.3917126	21	10 2.2	19.4
145023 2005 EB_{260}	16.9	X	264.20096	167.47237	130.39077	1.51076	0.1116130	0.24084999	2.5584188	21	3 3.8	20.6
145024 2005 EU_{260}	17.4	X	293.97881	271.73127	353.16613	2.92302	0.1386574	0.30284930	2.1960977	21	2 10.5	20.2
145025 2005 EH_{264}	17.0	X	100.90086	28.19917	232.46249	1.45268	0.1615083	0.26912114	2.3759511	21	11 9.7	20.6
145026 2005 EK_{266}	16.3	X	121.83789	117.41898	196.78369	7.98939	0.2179464	0.27869049	2.3212466	21	—	—
145027 2005 ET_{266}	17.0	X	12.89233	24.02678	352.59671	3.27168	0.0891598	0.27470679	2.3436340	21	12 15.5	19.6
145028 2005 EY_{267}	17.2	X	119.12170	346.68837	264.39254	1.54585	0.1708199	0.27023472	2.3694195	21	11 15.4	20.8
145029 2005 ER_{269}	16.6	X	45.40611	39.16873	218.58549	5.70745	0.0911814	0.25857026	2.4401527	21	8 13.6	19.6
145030 2005 ET_{269}	15.5	X	167.57470	329.39839	299.13176	10.82080	0.2407293	0.21923928	2.7238957	21	—	—
145031 2005 EB_{272}	15.6	X	135.97200	101.57955	156.90201	9.04593	0.0715843	0.21558594	2.7545823	21	12 1.9	19.9
145032 2005 EX_{272}	16.5	X	7.96999	179.23576	121.50690	5.67919	0.1902474	0.26178671	2.4201242	21	8 27.5	18.3
145033 2005 ET_{275}	16.4	X	53.62223	85.86096	192.40475	12.81609	0.1765295	0.26430762	2.4047112	21	10 12.2	19.4
145034 2005 EC_{278}	16.6	X	201.65455	48.64613	167.36102	6.73438	0.0747537	0.28055745	2.3109374	21	12 31.6	19.8
145035 2005 EC_{282}	16.6	X	322.16967	139.55802	86.30653	3.82771	0.1399024	0.30037239	2.2081541	21	1 23.9	19.3
145036 2005 EW_{282}	15.6	X	138.51943	120.22791	159.83185	9.64155	0.0548707	0.21859189	2.7292712	21	12 29.3	19.8
145037 2005 EC_{291}	16.3	X	56.35809	176.55867	116.00477	7.65269	0.1122726	0.26683887	2.3894796	21	10 28.9	19.4
145038 2005 EF_{295}	15.8	X	14.36089	235.32139	79.89223	7.67848	0.1236108	0.26299097	2.4127306	21	9 28.2	18.4
145039 2005 EB_{312}	17.7	X	322.91561	258.63227	9.26344	1.74815	0.1476595	0.31116969	2.1567734	21	3 22.3	19.8
145040 2005 FB_{2}	16.6	X	62.78931	236.50366	28.42533	9.64046	0.1331222	0.26599750	2.3945156	21	10 1.6	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145041 2005 FJ_6	17.1	X	179.06102	279.40253	355.56500	7.02714	0.1058918	0.28763276	2.2728834	21	—	—
145042 2005 FO_6	16.4	X	209.45428	206.01231	62.34254	8.24925	0.1516067	0.28814815	2.2701723	21	—	—
145043 2005 FE_7	16.3	X	24.20328	260.30822	20.26398	12.86837	0.1993633	0.25815294	2.4427818	21	9 5.9	18.8
145044 2005 FH_7	16.6	X	132.63593	227.77590	61.38476	13.01019	0.1431804	0.27518335	2.3409274	21	—	—
145045 2005 FP_7	16.2	X	2.74794	213.67730	79.71620	7.90908	0.1651027	0.25743101	2.4473466	21	7 31.5	18.3
145046 2005 GD_2	16.8	X	119.52961	30.68435	24.25695	20.73670	0.1004321	0.36539737	1.9377263	21	2 8.9	19.2
145047 2005 GW_3	15.8	X	175.81057	61.50019	174.06694	8.89474	0.0978689	0.21635377	2.7480612	21	12 13.8	20.1
145048 2005 GR_4	16.6	X	355.03393	46.75765	126.52211	4.14999	0.0671029	0.29800101	2.2198531	21	1 8.9	18.9
145049 2005 GR_6	17.0	X	332.26402	157.62136	66.06757	3.51284	0.1278953	0.30138069	2.2032262	21	2 6.6	19.3
145050 2005 GN_7	16.3	X	198.18826	176.18003	99.04173	6.54295	0.1908942	0.28475550	2.2881683	21	—	—
145051 2005 GT_{10}	16.1	X	251.22824	152.45240	169.17157	7.35453	0.0611305	0.24466387	2.5317617	21	3 24.3	19.6
145052 2005 GY_{10}	16.6	X	169.96638	122.15363	96.79636	8.12859	0.0606690	0.27453080	2.3446355	21	11 29.3	19.8
145053 2005 GX_{11}	15.4	X	182.76774	72.13890	156.98283	10.74919	0.0990610	0.21691300	2.7433360	21	12 13.6	19.7
145054 2005 GD_{12}	16.2	X	286.35939	86.76289	112.85453	5.09615	0.0698216	0.29113753	2.2546056	21	—	—
145055 2005 GQ_{12}	16.3	X	87.75828	214.13133	127.95933	4.69202	0.1539477	0.27942702	2.3171658	21	—	—
145056 2005 GT_{12}	17.3	X	244.86747	52.33232	178.82719	2.84118	0.1052093	0.28806151	2.2706275	21	—	—
145057 2005 GM_{13}	15.4	X	130.37859	134.04453	150.82458	12.39168	0.1682245	0.21444121	2.7643767	21	12 28.3	20.1
145058 2005 GM_{19}	15.1	X	84.79760	302.72464	22.44523	11.45048	0.2285695	0.21306964	2.7762272	21	—	—
145059 2005 GL_{20}	15.8	X	213.36772	234.28888	39.83552	3.97647	0.2346174	0.22526163	2.6751280	21	—	—
145060 2005 GV_{20}	17.0	X	180.45595	318.37647	204.48986	1.74478	0.1341188	0.26602614	2.3943438	21	9 22.3	20.7
145061 2005 GK_{21}	17.0	X	303.50128	233.00582	14.38425	3.92786	0.0789881	0.30043444	2.2078500	21	2 8.0	19.6
145062 Hashikami	15.5	X	174.52835	115.32369	143.23760	6.79417	0.1019048	0.21926674	2.7236683	21	—	—
145063 2005 GZ_{22}	14.9	X	236.15996	109.50253	159.53642	15.26479	0.1493189	0.17018715	3.2249146	21	1 8.3	20.3
145064 2005 GD_{23}	15.5	X	190.26835	228.53643	39.13397	12.25526	0.1874583	0.22319143	2.6916446	21	—	—
145065 2005 GX_{23}	16.9	X	182.03736	302.28660	334.46774	5.90849	0.1713708	0.28956589	2.2627563	21	—	—
145066 2005 GJ_{26}	16.1	X	163.90444	284.89063	20.62310	2.19313	0.1927778	0.22300159	2.6931719	21	—	—
145067 2005 GO_{27}	16.6	X	163.81926	114.93830	193.57466	5.70434	0.1382490	0.28553375	2.2840087	21	—	—
145068 2005 GF_{30}	16.0	X	9.75698	232.31876	77.68454	6.99363	0.1186287	0.26121024	2.4236836	21	9 10.2	18.5
145069 2005 GG_{31}	16.4	X	148.06341	208.51635	71.12627	6.26760	0.2148736	0.27817361	2.3241212	21	—	—
145070 2005 GR_{32}	16.5	X	120.64681	253.44874	26.03865	6.25579	0.1390235	0.27356764	2.3501355	21	12 21.3	20.2
145071 2005 GW_{32}	15.9	X	261.41198	255.73422	43.64738	10.67896	0.1071125	0.23862775	2.5742778	21	3 8.5	19.8
145072 2005 GX_{32}	16.5	X	274.62357	216.37451	51.37053	5.66639	0.1183395	0.29644031	2.2276376	21	1 27.8	19.6
145073 2005 GY_{32}	16.7	X	297.31660	140.54418	94.46750	1.15071	0.0651714	0.29737429	2.2229709	21	1 15.2	19.5
145074 2005 GO_{33}	16.1	X	169.13302	316.16928	349.67708	8.61847	0.2454270	0.28520042	2.2857880	21	—	—
145075 Zipernowsky	16.1	X	315.75417	21.14062	199.06616	11.30003	0.1156576	0.23680391	2.5874788	21	1 21.7	19.8
145076 2005 GY_{36}	16.7	X	72.81152	156.66189	95.55823	2.27579	0.1566025	0.26069397	2.4268824	21	9 28.9	19.9
145077 2005 GL_{38}	16.7	X	290.42525	247.07372	352.55428	7.48062	0.1435446	0.29596938	2.2300000	21	1 5.6	20.0
145078 2005 GO_{39}	16.4	X	129.54718	168.05007	95.97144	6.95073	0.2169762	0.27200921	2.3591034	21	12 11.8	20.5
145079 2005 GZ_{43}	16.8	X	182.26611	225.46651	206.33178	19.44580	0.1196659	0.37514870	1.9040006	21	5 22.6	19.3
145080 2005 GG_{45}	16.4	X	210.53722	28.46209	280.82652	3.40769	0.1584398	0.29302773	2.2448995	21	1 14.9	19.9
145081 2005 GV_{49}	16.6	X	65.24080	181.59586	168.18406	2.32659	0.2368417	0.27522948	2.3406658	21	—	—
145082 2005 GE_{50}	16.5	X	215.17444	134.37668	185.87856	2.98833	0.1710027	0.23482867	2.6019681	21	2 9.1	20.7
145083 2005 GB_{53}	15.9	X	146.23479	88.59999	213.97195	8.53874	0.0777220	0.21964629	2.7205297	21	—	—
145084 2005 GE_{53}	16.5	X	102.18628	258.21571	38.16763	7.37391	0.1059284	0.27163690	2.3612585	21	12 22.3	19.9
145085 2005 GY_{53}	16.1	X	282.14700	222.39028	20.14993	7.64903	0.1591001	0.23371417	2.6102335	21	1 10.8	20.1
145086 2005 GC_{54}	15.5	X	180.99002	253.75263	36.37790	4.71635	0.2198630	0.22250252	2.6971975	21	—	—
145087 2005 GK_{54}	16.7	X	206.81488	137.16084	190.41910	4.55972	0.1938624	0.29826591	2.2185385	21	2 2.6	20.3
145088 2005 GW_{54}	16.7	X	299.77430	15.31522	338.57525	1.48094	0.2236731	0.25869178	2.4393884	21	6 13.7	19.6
145089 2005 GY_{59}	17.0	X	161.77683	233.18891	191.45735	23.02546	0.0699876	0.36927545	1.9241360	21	4 11.8	18.9
145090 2005 GF_{60}	16.8	X	168.45028	128.66936	314.98923	18.30798	0.1191474	0.37633474	1.8999982	21	5 16.9	19.6
145091 2005 GM_{64}	16.6	X	106.15897	166.16052	115.28934	15.40691	0.2349108	0.27138407	2.3627249	21	12 15.9	20.7
145092 2005 GR_{66}	16.3	X	115.82770	130.20359	195.36123	6.55482	0.1423870	0.28067495	2.3102924	21	—	—
145093 2005 GS_{73}	15.5	X	235.71661	83.92396	172.97596	14.75047	0.0850169	0.22843804	2.6502719	21	—	—
145094 2005 GW_{73}	15.6	X	229.36673	147.97696	128.07911	10.27052	0.0992595	0.22949201	2.6421512	21	1 2.5	19.7
145095 2005 GB_{74}	15.2	X	335.04510	104.66252	154.86726	15.93196	0.1206223	0.18414021	3.0598746	21	4 26.2	19.3
145096 2005 GP_{74}	17.0	X	280.76063	329.65895	208.53266	2.59178	0.0412350	0.28624923	2.2802012	21	—	—
145097 2005 GU_{74}	16.6	X	241.28502	213.09154	55.93281	4.61387	0.1473311	0.29217339	2.2492736	21	—	—
145098 2005 GJ_{86}	15.6	X	108.57601	219.95513	50.00602	8.69359	0.1885033	0.21050125	2.7987639	21	11 22.2	20.0
145099 2005 GX_{87}	16.2	X	291.29162	350.77181	261.76180	2.40828	0.0873155	0.23798947	2.5788785	21	2 7.5	19.7
145100 2005 GJ_{88}	16.6	X	182.54907	190.90773	19.47445	6.72659	0.0660872	0.27464250	2.3439997	21	11 29.9	19.9
145101 2005 GM_{88}	16.2	X	182.87100	255.65183	17.66362	7.07001	0.0660778	0.22330530	2.6907294	21	—	—
145102 2005 GW_{90}	16.7	X	170.01571	9.15081	232.28629	4.55638	0.1878901	0.27625240	2.3348842	21	12 18.9	20.4
145103 2005 GC_{96}	16.6	X	158.34611	257.73667	108.50601	1.80966	0.1405645	0.29512119	2.2342707	21	2 2.4	19.6
145104 2005 GU_{101}	16.8	X	38.91616	112.14881	202.75158	10.36847	0.2410241	0.26353658	2.4093993	21	11 21.7	19.9
145105 2005 GW_{101}	16.2	X	340.07742	272.45156	35.16294	5.48926	0.1151101	0.25603901	2.4562088	21	7 4.9	18.8
145106 2005 GF_{105}	15.7	X	155.38745	252.51036	62.35256	4.79710	0.1220510	0.22441657	2.6818394	21	—	—
145107 2005 GG_{105}	16.9	X	252.74006	22.21564	183.63927	7.46187	0.0405947	0.28550141	2.2841811	21	—	—
145108 2005 GB_{113}	15.9	X	264.41321	110.82320	144.92618	15.02909	0.1811831	0.23315870	2.6143775	21	1 6.6	20.2
145109 2005 GL_{113}	16.9	X	105.75471	65.60491	195.35501	1.98820	0.1822474	0.27213337	2.3583858	21	11 16.9	20.5
145110 2005 GF_{117}	16.3	X	8.27872	325.74916	15.16927	6.62584	0.1266880	0.26478594	2.4018143	21	10 20.4	18.7
145111 2005 GN_{119}	15.8	X	18.38801	248.58833	300.30985	12.15457	0.1021465	0.24373230	2.5382086	21	3 12.9	18.9
145112 2005 GK_{121}	17.1	X	11.68699	161.87591	94.25307	2.27137	0.1085974	0.31204580	2.1527346	21	6 13.5	18.8
145113 2005 GH_{123}	16.8	X	144.12700	212.39405	47.71361	3.43807	0.0973812	0.27479473	2.3431340	21	12 20.7	20.3
145114 2005 GJ_{123}	17.6	X	214.70337	27.52761	182.34656	2.47653	0.1759057	0.27972547	2.3155174	21	12 25.9	20.6
145115 2005 GP_{124}	15.6	X	269.18250	233.30578	63.62303	14.70353	0.1835406	0.24314854	2.5422696	21	3 8.3	19.8
145116 2005 GT_{126}	16.2	X	126.99078	152.92479	215.97895	8.38100	0.1094013	0.28955781	2.2627984	21	—	—
145117 2005 GV_{129}	16.2	X	257.34828	240.99023	75.03287	5.65084	0.2472927	0.23861865	2.5743433	21	3 11.1	20.5
145118 2005 GJ_{130}	16.8	X	36.93811	231.95415	41.29843	1.68034	0.1601102	0.25656275	2.4528650	21	9 6.1	19.3
145119 2005 GS_{132}	16.8	X	324.19193	71.95953	177.87484	5.04272	0.1086571	0.24314497	2.5422945	21	3 15.9	20.0
145120 2005 GF_{135}	16.5	X	229.12044	286.28050	34.54057	2.97274	0.1757055	0.23537274	2.5979569	21	2 23.6	20.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145121 2005 GC_{136}	15.9	X	276.80577	147.75850	187.07183	15.16439	0.2457370	0.24386802	2.5372668	21	4 19.3	19.7
145122 2005 GD_{136}	16.7	X	140.14233	178.98842	162.10499	7.06997	0.1840971	0.28454508	2.2892963	21	—	—
145123 2005 GD_{139}	16.6	X	101.04301	1.01498	227.54872	3.98510	0.1588845	0.26171756	2.4205505	21	9 27.4	20.2
145124 2005 GT_{139}	16.1	X	95.09229	163.80318	171.82227	4.80293	0.1250878	0.21715295	2.7413147	21	—	—
145125 2005 GU_{141}	16.3	X	1.92253	251.69135	16.15290	6.11440	0.1179467	0.25400140	2.4693272	21	6 14.3	18.9
145126 2005 GV_{144}	16.7	X	123.80387	295.78107	5.10678	6.10797	0.1298893	0.28305590	2.2973187	21	—	—
145127 2005 GL_{147}	16.8	X	228.06176	259.35423	347.43797	2.19230	0.1167526	0.28681678	2.2771921	21	—	—
145128 2005 GG_{149}	15.8	X	24.44000	241.15251	141.75144	5.36177	0.0813457	0.21365366	2.7711657	21	12 24.8	19.4
145129 2005 GH_{150}	16.6	X	97.86535	195.00012	93.23877	5.28464	0.2301326	0.26762171	2.3848175	21	12 15.2	20.4
145130 2005 GF_{153}	16.4	X	198.30356	226.95437	63.41829	10.58149	0.1441842	0.28640687	2.2793644	21	—	—
145131 2005 GM_{153}	15.5	X	201.66830	175.54100	126.71570	16.35642	0.1162207	0.22700925	2.6613807	21	1 7.6	19.6
145132 2005 GZ_{157}	16.2	X	195.19825	131.43676	147.35612	4.35904	0.1840771	0.22498644	2.6773089	21	—	—
145133 2005 GO_{158}	16.4	X	248.59882	46.95117	236.68134	4.34968	0.2183402	0.23294917	2.6159450	21	1 23.1	20.9
145134 2005 GU_{160}	15.9	X	221.99321	69.95651	191.37406	10.94577	0.2270640	0.22414424	2.6840112	21	—	—
145135 2005 GU_{161}	16.4	X	142.80184	211.99697	85.93614	8.56595	0.1573717	0.28006358	2.3136534	21	—	—
145136 2005 GY_{161}	15.8	X	153.03873	9.16544	281.23549	3.47648	0.1879733	0.21845565	2.7304058	21	—	—
145137 2005 GW_{162}	14.8	X	23.18085	66.49666	152.02471	14.42760	0.1929800	0.18552761	3.0446008	21	5 26.1	18.3
145138 2005 GB_{163}	15.1	X	34.39585	51.18920	50.50604	22.69733	0.0410594	0.22942601	2.6426579	21	—	—
145139 2005 GV_{165}	17.3	X	170.55472	170.85393	19.34943	1.46106	0.1220602	0.26987165	2.3715441	21	10 18.7	20.8
145140 2005 GV_{167}	16.0	X	295.73452	200.21139	38.69878	3.10924	0.1432785	0.23436943	2.6053660	21	1 21.7	19.7
145141 2005 GF_{168}	16.4	X	320.53608	67.89191	221.94885	4.71822	0.1498736	0.24543930	2.5264264	21	4 28.3	19.1
145142 2005 GX_{168}	16.1	X	328.00072	49.45397	186.07197	1.29699	0.1179233	0.24132063	2.5550913	21	2 28.8	19.1
145143 2005 GL_{170}	16.6	X	322.55705	70.02557	209.65726	6.13323	0.1096603	0.30728130	2.1749301	21	4 15.7	18.9
145144 2005 GU_{171}	14.8	X	290.76107	218.89466	70.59396	18.02173	0.1796659	0.17848429	3.1241800	21	4 1.0	19.6
145145 2005 GV_{171}	15.9	X	65.98449	294.24149	160.62174	5.25584	0.0666628	0.23608882	2.5927010	21	1 26.5	18.9
145146 2005 GC_{172}	16.5	X	351.22798	288.94397	52.03751	3.93935	0.1891781	0.26187091	2.4196054	21	9 24.0	18.3
145147 2005 GD_{175}	15.1	X	299.16778	335.39597	260.72716	3.31400	0.2964553	0.23538021	2.5979019	21	1 3.6	19.3
145148 2005 GR_{176}	16.2	X	335.19454	158.49701	114.09733	5.52766	0.0656091	0.24739346	2.5131046	21	5 11.6	19.2
145149 2005 GX_{177}	17.3	X	95.26401	305.63785	20.82043	2.89555	0.1827358	0.27570952	2.3379482	21	—	—
145150 2005 GX_{178}	15.7	X	283.31075	298.09620	312.11655	14.17274	0.1581678	0.23455775	2.6039713	21	1 21.1	19.6
145151 2005 GH_{179}	14.9	X	1.80122	89.62779	160.99579	15.19266	0.2445820	0.18522236	3.0479449	21	5 24.5	18.1
145152 2005 GS_{181}	16.8	X	85.43114	309.94240	46.22419	5.48660	0.1543795	0.28184003	2.3039211	21	—	—
145153 2005 GJ_{182}	15.9	X	313.94730	114.23125	162.42095	10.60226	0.1582255	0.24199173	2.5503651	21	4 1.2	19.0
145154 2005 GD_{201}	16.7	X	244.34243	295.47383	11.82045	12.48035	0.2655515	0.23843027	2.5756991	21	2 19.6	21.3
145155 2005 HD	15.7	X	31.85624	124.63090	56.73456	5.53341	0.0628445	0.24277934	2.5448464	21	4 3.7	18.7
145156 2005 HO	16.5	X	200.01518	328.75082	356.56286	4.87842	0.1890928	0.23202954	2.6228524	21	2 5.0	20.8
145157 2005 HY_{1}	17.1	X	207.17670	199.32286	68.97675	4.42914	0.2080837	0.28370100	2.2938348	21	—	—
145158 2005 HU_{3}	16.4	X	51.32747	57.69667	156.19652	6.37903	0.0619528	0.25305614	2.4754726	21	6 17.9	19.4
145159 2005 HM_{4}	16.6	X	204.27296	270.71746	80.57610	6.07318	0.1894639	0.29877306	2.2160272	21	3 6.2	20.2
145160 2005 HY_{4}	15.0	X	274.70303	206.12225	86.34254	7.68404	0.1396328	0.17765968	3.1338399	21	3 16.9	19.8
145161 2005 HZ_{4}	15.7	X	319.45761	23.09276	202.92009	12.18000	0.0997694	0.23737181	2.5833503	21	2 4.3	19.4
145162 2005 HG_{5}	15.5	X	283.44329	115.24634	194.73689	8.63335	0.1788851	0.17966740	3.1104498	21	4 7.7	19.9
145163 2005 HT_{6}	15.4	X	298.72533	316.15625	243.71184	4.08115	0.1848676	0.23020203	2.6367156	21	—	—
145164 2005 HA_{7}	15.5	X	301.00513	350.30778	235.62016	6.86215	0.1101590	0.23246022	2.6196119	21	1 13.9	19.3
145165 2005 HS_{7}	15.8	X	303.62929	314.83333	53.34458	6.72303	0.2049608	0.25700627	2.4500422	21	7 16.6	18.4
145166 2005 JL	16.8	X	193.27742	230.42925	68.42339	7.92624	0.1224575	0.28853757	2.2681293	21	—	—
145167 2005 JF_{1}	16.6	X	159.04002	190.57418	94.53859	7.67307	0.1143598	0.27850512	2.3222765	21	—	—
145168 2005 JD_{3}	16.0	X	236.81555	232.54655	56.54721	8.89363	0.1791076	0.22966176	2.6408491	21	1 25.1	20.5
145169 2005 JF_{3}	17.0	X	22.47797	170.33803	69.13016	4.07151	0.1157245	0.30946694	2.1646775	21	6 8.2	18.5
145170 2005 JL_{3}	17.1	X	212.38486	262.58219	162.91891	23.55149	0.0723267	0.37763183	1.8956449	21	6 22.3	20.0
145171 2005 JV_{3}	15.9	X	35.07631	305.71575	29.25112	12.90674	0.2283733	0.26947874	2.3738487	21	12 9.2	19.1
145172 2005 JX_{3}	16.0	X	181.11433	109.60722	175.73824	2.31992	0.1558689	0.22511858	2.6762611	21	—	—
145173 2005 JX_{4}	16.6	X	7.77454	166.89651	153.70945	7.03191	0.1305802	0.25801020	2.4436826	21	9 20.6	19.0
145174 2005 JC_{5}	15.9	X	344.11130	107.12544	146.25853	15.30653	0.0654274	0.24397278	2.5365405	21	5 2.4	19.2
145175 2005 JF_{5}	16.3	X	106.49201	241.69372	176.60617	14.87992	0.1062958	0.23123341	2.6288693	21	2 10.3	19.9
145176 2005 JJ_{5}	15.4	X	280.39132	58.34934	183.43322	12.89627	0.1425376	0.23138729	2.6277036	21	1 7.2	19.6
145177 2005 JX_{13}	16.5	X	277.78170	349.83470	283.23358	3.77587	0.1132034	0.29947943	2.2125413	21	2 4.5	19.6
145178 2005 JN_{14}	17.0	X	228.94252	344.82410	232.52401	5.93348	0.1559006	0.28214581	2.3022561	21	—	—
145179 2005 JB_{16}	16.5	X	219.94357	233.05128	72.51787	8.70570	0.1502053	0.29294342	2.2453302	21	1 20.3	20.0
145180 2005 JA_{20}	15.7	X	208.93637	184.21838	110.63602	12.61300	0.1749565	0.22755000	2.6571627	21	1 6.8	19.9
145181 2005 JK_{20}	14.9	X	257.34670	208.33796	94.11043	18.38475	0.1815172	0.17464277	3.1698276	21	3 11.6	20.2
145182 2005 JT_{20}	15.4	X	129.16587	190.77563	133.73772	9.83350	0.1720599	0.21843091	2.7306120	21	—	—
145183 2005 JD_{21}	15.9	X	12.69832	7.72290	165.86922	14.02881	0.1864213	0.23863926	2.5741951	21	2 8.7	18.4
145184 2005 JK_{21}	16.7	X	149.37557	272.91217	309.93812	0.61748	0.1351039	0.26921494	2.3753992	21	11 7.6	20.3
145185 2005 JP_{21}	16.9	X	269.03351	3.34633	238.35320	5.11094	0.1633378	0.29122045	2.2541776	21	—	—
145186 2005 JQ_{21}	17.4	X	283.82646	334.23359	266.83133	0.80685	0.1398502	0.29367321	2.2416089	21	—	—
145187 2005 JW_{22}	15.7	X	175.83626	31.84049	250.35352	6.15096	0.1157969	0.22083622	2.7107482	21	—	—
145188 2005 JJ_{24}	16.0	X	167.20181	219.00113	74.29346	4.25002	0.0895146	0.22096751	2.7096743	21	—	—
145189 2005 JM_{24}	17.3	X	141.50953	36.83463	191.98403	2.18498	0.1607498	0.26834545	2.3805276	21	11 8.3	21.0
145190 2005 JR_{26}	16.9	X	225.74803	331.48866	191.14150	6.06694	0.0705892	0.27207624	2.3587159	21	11 21.7	20.0
145191 2005 JG_{27}	15.7	X	216.17540	77.56627	200.25627	8.32943	0.1026293	0.22720432	2.6598573	21	—	—
145192 2005 JO_{27}	15.4	X	137.01611	264.04159	60.16931	14.55130	0.1960323	0.21842479	2.7306629	21	—	—
145193 2005 JL_{29}	16.0	X	319.66895	113.55733	155.86053	4.34795	0.2328606	0.24050276	2.5608806	21	3 17.3	18.9
145194 2005 JM_{29}	15.3	X	237.53479	64.80889	213.83880	12.09575	0.1641337	0.22790562	2.6543979	21	1 9.7	19.8
145195 2005 JM_{30}	15.8	X	92.29510	144.37247	191.84854	5.44421	0.0305190	0.21657121	2.7462215	21	—	—
145196 2005 JX_{31}	15.3	X	220.00791	38.36636	226.83891	14.27104	0.0720499	0.22561655	2.6723217	21	—	—
145197 2005 JY_{31}	16.0	X	283.15564	16.00421	215.53706	2.55049	0.0467175	0.23220470	2.6215333	21	1 8.9	19.5
145198 2005 JP_{32}	16.4	X	158.97237	19.31995	222.04655	5.58164	0.1206740	0.27229926	2.3574278	21	12 11.4	20.0
145199 2005 JQ_{32}	14.9	X	289.92311	43.76723	225.32439	13.32563	0.2181346	0.17466546	3.1695530	21	2 15.4	19.9
145200 2005 JR_{32}	17.0	X	130.01582	198.65740	57.21133	3.18383	0.2092888	0.26882118	2.3777183	21	12 1.5	21.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145201 2005 JQ_{33}	15.7	X	278.99190	321.31371	230.27757	12.60336	0.0312293	0.22386964	2.6862056	21	—	—
145202 2005 JS_{33}	15.2	X	58.60224	150.76957	228.39129	8.31832	0.2967572	0.21342220	2.7731689	21	—	—
145203 2005 JZ_{33}	16.1	X	108.33068	182.21408	125.35273	0.63658	0.0584014	0.21264801	2.7798957	21	12 28.9	20.2
145204 2005 JT_{34}	16.5	X	234.01857	108.13016	151.06620	6.09526	0.0856862	0.28666546	2.2779934	21	—	—
145205 2005 JP_{36}	16.7	X	4.75078	209.97646	235.41033	4.19287	0.0145126	0.28118638	2.3074902	21	—	—
145206 2005 JQ_{36}	16.3	X	63.44639	17.29591	240.50412	4.18863	0.1928817	0.25768141	2.4457608	21	9 26.4	19.5
145207 2005 JS_{36}	16.6	X	82.13709	146.24800	130.70786	2.93628	0.1782054	0.26297583	2.4128232	21	11 13.3	20.1
145208 2005 JJ_{38}	15.1	X	229.73588	279.12319	23.09227	11.40251	0.2759480	0.22988155	2.6391656	21	2 3.7	20.0
145209 2005 JY_{38}	16.2	X	353.30479	242.83567	71.39552	1.34882	0.2790991	0.19192373	2.9765757	21	8 6.1	18.3
145210 2005 JZ_{38}	15.5	X	115.65723	315.32157	48.11981	14.87534	0.2167441	0.22187592	2.7022733	21	1 4.7	19.3
145211 2005 JO_{39}	17.0	X	69.78911	244.26429	32.42004	1.59779	0.2032289	0.26227167	2.4171400	21	11 1.6	20.5
145212 2005 JY_{43}	15.3	X	233.54123	226.10034	56.26135	12.21619	0.1763082	0.22892325	2.6465257	21	1 13.9	19.8
145213 2005 JE_{44}	16.2	X	74.65647	211.06280	56.32798	6.89385	0.1026968	0.26057825	2.4276008	21	10 15.1	19.4
145214 2005 JF_{44}	15.1	X	177.63053	99.55159	242.73142	9.97410	0.2563264	0.22672555	2.6636004	21	2 5.3	19.9
145215 2005 JM_{46}	17.8	X	152.89354	107.77248	207.63821	3.54817	0.1597622	0.28218963	2.3020178	21	—	—
145216 2005 JO_{48}	16.2	X	111.89659	194.38200	126.48329	5.40814	0.0986533	0.21466680	2.7624396	21	—	—
145217 2005 JZ_{48}	15.4	X	246.35729	51.10427	222.25712	14.40431	0.1392909	0.23004510	2.6379146	21	1 11.0	19.8
145218 2005 JH_{49}	15.8	X	212.14015	188.60609	171.30525	6.19469	0.3493960	0.23525674	2.5988108	21	3 25.4	20.8
145219 2005 JQ_{55}	14.8	X	287.94734	232.43779	123.68239	14.55120	0.0855926	0.18957193	3.0011430	21	6 24.7	19.1
145220 2005 JC_{56}	14.6	X	254.83637	191.25636	119.01595	20.13242	0.1256705	0.17525575	3.1624320	21	3 22.3	19.7
145221 2005 JT_{57}	16.1	X	260.86623	304.29768	239.55094	4.36538	0.0145021	0.21982901	2.7190220	21	—	—
145222 2005 JY_{60}	15.9	X	66.47083	139.13673	211.79541	7.17468	0.2334856	0.20991674	2.8039569	21	—	—
145223 2005 JS_{61}	16.5	X	112.21890	254.40703	44.76119	7.44069	0.1243958	0.27270842	2.3550692	21	—	—
145224 2005 JR_{63}	15.5	X	288.09666	36.68475	177.84872	26.41563	0.0461319	0.22829573	2.6513732	21	—	—
145225 2005 JO_{66}	16.4	X	122.77115	236.30832	16.34324	7.33583	0.0984852	0.26842313	2.3800683	21	11 16.1	19.9
145226 2005 JE_{67}	15.4	X	185.34435	247.44245	89.04063	14.76069	0.1994071	0.22936177	2.6431513	21	2 8.6	20.0
145227 2005 JG_{67}	15.3	X	134.24986	149.07839	169.19051	11.87754	0.1216791	0.21884069	2.7272021	21	—	—
145228 2005 JF_{68}	15.5	X	131.01946	155.01528	173.76300	15.09661	0.1425880	0.22090943	2.7101493	21	—	—
145229 2005 JT_{70}	16.1	X	319.59180	142.64202	148.54386	8.99859	0.1134949	0.24627958	2.5206778	21	5 8.1	19.2
145230 2005 JM_{75}	16.2	X	72.39085	181.28860	126.94057	15.64243	0.1892714	0.26828788	2.3808682	21	12 15.5	19.9
145231 2005 JX_{77}	15.2	X	293.84163	261.95933	352.64002	9.22401	0.1855636	0.17451521	3.1713721	21	2 13.8	19.9
145232 2005 JU_{79}	16.6	X	289.53044	316.80021	238.55901	6.99085	0.0297889	0.28732195	2.2745222	21	—	—
145233 2005 JB_{80}	15.9	X	32.00335	344.80929	266.77780	0.96874	0.1939540	0.19040559	2.9923766	21	7 26.7	19.1
145234 2005 JQ_{80}	15.1	X	252.62904	196.08157	168.64818	18.07319	0.2202450	0.18161249	3.0882011	21	5 11.8	20.3
145235 2005 JB_{83}	16.7	X	42.18391	282.21536	170.50603	1.81300	0.0449979	0.22885489	2.6470527	21	—	—
145236 2005 JY_{84}	16.9	X	289.07422	256.35013	25.63193	2.89632	0.1111082	0.24176119	2.5519862	21	3 12.5	20.3
145237 2005 JE_{85}	16.4	X	332.71674	155.53512	95.40640	4.89883	0.1634343	0.30232802	2.1986214	21	3 14.4	18.6
145238 2005 JO_{87}	15.5	X	352.97415	61.70103	207.01633	9.43646	0.0639204	0.18805739	3.0172348	21	6 5.6	19.4
145239 2005 JW_{88}	15.6	X	243.76205	295.52606	289.89440	13.27649	0.1078621	0.22664328	2.6642449	21	—	—
145240 2005 JN_{91}	16.0	X	284.54963	213.91156	4.20888	3.49328	0.1450914	0.23002057	2.6381021	21	—	—
145241 2005 JT_{91}	16.9	X	95.42780	355.33567	271.61973	0.69303	0.1409562	0.26479078	2.4017851	21	11 9.7	20.4
145242 2005 JS_{92}	15.5	X	234.08347	338.63677	271.48450	13.40012	0.0317357	0.22875298	2.6478388	21	—	—
145243 2005 JX_{95}	17.0	X	136.21923	265.22741	54.93097	6.42926	0.0825167	0.28091247	2.3089899	21	—	—
145244 2005 JO_{98}	14.9	X	229.77050	174.92161	167.04134	17.05028	0.0461695	0.17796450	3.1302604	21	4 4.6	19.6
145245 2005 JX_{102}	15.1	X	315.17939	167.66318	144.61146	9.25471	0.2550343	0.18460189	3.0547707	21	5 12.9	19.0
145246 2005 JN_{103}	16.7	X	52.00390	291.06613	21.50240	1.46795	0.1946378	0.26811526	2.3818900	21	11 27.4	19.8
145247 2005 JK_{105}	16.2	X	299.55271	177.23474	98.78269	5.80298	0.1907203	0.24145094	2.5541719	21	3 8.3	19.7
145248 2005 JB_{106}	17.3	X	90.86528	219.53963	208.81248	6.73853	0.0772359	0.29378720	2.2410290	21	1 13.9	19.8
145249 2005 JJ_{109}	16.6	X	55.50597	270.54785	26.30802	2.35118	0.2111649	0.26001698	2.4310930	21	11 11.9	20.0
145250 2005 JN_{112}	16.0	X	126.72399	205.98148	102.76323	9.30055	0.2114578	0.21285197	2.7781196	21	—	—
145251 2005 JP_{112}	16.0	X	259.01267	115.73820	203.43536	3.06763	0.2405801	0.23578559	2.5949234	21	3 13.3	20.3
145252 2005 JO_{117}	16.5	X	260.67834	324.02978	170.73686	6.25304	0.0635448	0.27251185	2.3562016	21	12 3.3	19.3
145253 2005 JJ_{118}	16.2	X	83.84781	287.24453	176.27645	7.37267	0.1076382	0.23711617	2.5852067	21	3 11.4	19.2
145254 2005 JP_{119}	15.7	X	296.27523	292.97613	181.18744	6.32616	0.0138014	0.21286379	2.7780167	21	12 17.1	19.5
145255 2005 JB_{122}	15.8	X	190.89445	146.13878	170.87345	16.50955	0.1569521	0.22519814	2.6756307	21	1 15.4	20.4
145256 2005 JL_{125}	15.2	X	268.55913	181.12432	123.71823	11.34438	0.0726329	0.17775178	3.1327572	21	4 2.9	19.9
145257 2005 JQ_{127}	15.2	X	330.13985	223.41152	87.43546	11.12184	0.0935420	0.18933151	3.0036831	21	6 24.2	19.0
145258 2005 JT_{127}	15.8	X	265.18659	82.51579	201.22972	5.37764	0.1789744	0.23345190	2.6121880	21	2 8.3	19.9
145259 2005 JA_{128}	14.6	X	331.15145	198.41318	80.51331	15.10664	0.1190968	0.18458746	3.0549300	21	5 14.7	18.5
145260 2005 JJ_{128}	15.6	X	186.81916	247.77818	84.97472	16.13961	0.1621976	0.22687510	2.6624298	21	2 3.9	20.1
145261 2005 JM_{130}	15.7	X	160.30636	84.34405	235.79356	5.71334	0.1414591	0.22395546	2.6855193	21	—	—
145262 2005 JL_{131}	16.5	X	7.04413	307.26420	56.17153	4.26165	0.0784045	0.26655039	2.3912033	21	11 15.0	19.0
145263 2005 JB_{133}	15.9	X	218.08166	211.82088	163.63399	5.38358	0.3082835	0.23854721	2.5748572	21	4 17.7	20.6
145264 2005 JF_{133}	15.8	X	128.27280	178.64663	158.65314	5.28639	0.1161686	0.21958123	2.7210670	21	—	—
145265 2005 JZ_{133}	15.8	X	49.39186	100.07622	214.32472	12.68948	0.1030264	0.20313274	2.8660435	21	11 2.8	19.5
145266 2005 JE_{134}	15.0	X	213.96630	223.06461	127.94589	14.08949	0.1999154	0.23308231	2.6149487	21	3 21.9	19.6
145267 2005 JW_{134}	15.8	X	349.48692	229.45253	124.93294	4.18188	0.1435681	0.19880394	2.9074977	21	9 27.5	18.9
145268 2005 JZ_{136}	15.5	X	274.79515	263.00726	25.80088	10.01167	0.1941119	0.17564369	3.1577738	21	3 6.9	20.5
145269 2005 JC_{138}	15.1	X	229.59276	239.55613	110.28141	11.33840	0.2332116	0.17673492	3.1447621	21	4 6.1	20.6
145270 2005 JE_{138}	15.3	X	268.19712	256.08482	102.00488	11.50274	0.1899437	0.18548635	3.0450522	21	5 21.3	20.0
145271 2005 JP_{138}	17.1	X	356.91523	14.33919	189.22003	0.17685	0.0870373	0.30042492	2.2078967	21	2 21.7	19.3
145272 2005 JE_{139}	15.1	X	269.62250	126.10992	207.57499	26.29032	0.1666015	0.18040990	3.1019096	21	4 23.3	19.8
145273 2005 JH_{139}	15.4	X	183.83148	252.64641	21.87089	11.00995	0.1419633	0.21958075	2.7210710	21	—	—
145274 2005 JD_{140}	16.3	X	142.73813	246.75014	59.83726	7.24962	0.1232404	0.27807546	2.3246680	21	—	—
145275 2005 JN_{140}	15.4	X	240.94061	184.33698	131.69593	14.92755	0.1752840	0.23484904	2.6018177	21	3 1.3	19.7
145276 2005 JA_{144}	16.1	X	121.52167	310.29041	92.92425	4.38051	0.0947669	0.23044489	2.6348628	21	2 12.6	19.7
145277 2005 JQ_{146}	15.2	X	142.81153	210.63024	142.96394	12.92219	0.2026972	0.22319011	2.6916551	21	1 19.3	19.3
145278 2005 JZ_{146}	16.6	X	94.22096	75.76692	213.83422	6.34071	0.1247947	0.26744312	2.3858791	21	12 6.7	20.1
145279 2005 JG_{147}	16.0	X	92.22221	283.00970	196.83357	4.54973	0.1816161	0.24262388	2.5459333	21	4 27.0	19.0
145280 2005 JS_{147}	15.3	X	168.15476	163.19331	161.53591	12.05650	0.1864295	0.22340377	2.6899387	21	1 7.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145281 2005 JH_{156}	16.9	X	110.16028	99.19683	189.30490	0.78572	0.1844402	0.26944425	2.3740513	21	12 23.8	20.5
145282 2005 JM_{160}	15.6	X	28.14311	93.41761	166.38153	11.04245	0.0689080	0.19061396	2.9901955	21	7 15.9	19.6
145283 2005 JF_{163}	17.0	X	29.49809	207.66244	163.38215	1.84544	0.0907410	0.27081595	2.3660281	21	12 31.1	19.9
145284 2005 JY_{165}	17.4	X	141.14621	252.37097	133.75595	1.50906	0.1640816	0.29433793	2.2382326	21	2 11.7	20.3
145285 2005 JN_{167}	16.1	X	349.33398	131.88899	119.44766	4.16282	0.0823297	0.24363602	2.5388773	21	5 2.4	19.0
145286 2005 JP_{167}	15.8	X	242.28405	233.40983	40.12927	3.97095	0.1965643	0.22815821	2.6524384	21	1 9.5	20.2
145287 2005 JN_{175}	16.8	X	217.68373	335.79286	62.26524	23.56070	0.0888915	0.37491053	1.9048069	21	5 16.6	18.8
145288 2005 JL_{177}	17.0	X	56.79414	337.43132	36.26318	2.14994	0.0391760	0.27934599	2.3176139	21	—	—
145289 2005 JU_{177}	16.5	X	218.39255	104.14729	205.46842	2.12495	0.0534490	0.23471745	2.6027900	21	1 30.8	20.2
145290 2005 JX_{177}	16.3	X	55.15621	70.57468	205.37012	4.72271	0.1210395	0.25919752	2.4362143	21	9 30.3	19.3
145291 2005 JO_{178}	17.5	X	231.68692	262.05842	44.22597	5.65668	0.1670893	0.29453435	2.2372374	21	2 1.6	21.0
145292 2005 JA_{179}	16.1	X	227.67832	304.35110	74.05951	9.32601	0.0829879	0.24611925	2.5217711	21	5 9.5	19.7
145293 2005 KE	14.8	X	214.62072	257.46586	62.63332	15.49161	0.2234285	0.22814048	2.6525758	21	2 16.1	19.7
145294 2005 KX_{2}	14.0	X	272.06403	70.71763	242.57018	21.89840	0.2826968	0.17709000	3.1405571	21	3 11.8	19.6
145295 2005 KK_{6}	16.7	X	39.74142	88.55279	207.83168	4.23756	0.1911128	0.25823680	2.4422529	21	10 18.4	19.5
145296 2005 KC_{7}	15.9	X	280.42217	346.67577	308.08405	3.25653	0.1632892	0.23777501	2.5804290	21	3 10.5	19.6
145297 2005 KS_{7}	15.3	X	46.90659	162.79029	121.72709	11.37917	0.0543009	0.18997499	2.9968967	21	9 17.3	19.5
145298 2005 KB_{8}	16.2	X	179.27673	175.36147	160.35412	3.52283	0.1085841	0.22696998	2.6616877	21	1 24.8	20.3
145299 2005 KE_{8}	15.8	X	291.68844	79.83363	233.48661	13.14399	0.1759220	0.24126570	2.5554791	21	4 13.3	19.5
145300 2005 KK_{8}	16.3	X	313.00815	264.61797	237.02378	6.13771	0.0629814	0.28107350	2.3081079	21	—	—
145301 2005 KY_{8}	15.7	X	168.66212	253.78435	103.33221	13.66988	0.2825123	0.22691676	2.6621039	21	2 24.7	20.5
145302 2005 KD_{9}	16.3	X	30.32716	357.55254	162.53289	5.41882	0.0856800	0.23745838	2.5827223	21	3 1.2	19.1
145303 2005 KH_{9}	16.8	X	300.90062	213.03599	51.16870	4.08282	0.1261627	0.29818880	2.2189209	21	2 21.9	19.6
145304 2005 KZ_{9}	15.6	X	49.26132	18.72629	266.35623	14.41624	0.1806270	0.25850759	2.4405470	21	10 8.0	19.0
145305 2005 KT_{10}	16.1	X	347.03466	207.57109	101.85062	8.07806	0.1782346	0.25170197	2.4843435	21	7 18.4	18.0
145306 2005 KC_{11}	16.6	X	57.11158	204.11937	107.06130	7.39786	0.1063612	0.26416704	2.4055643	21	11 20.9	19.8
145307 2005 KA_{12}	15.9	X	290.56142	185.03819	153.21719	5.62708	0.2548527	0.24525750	2.5276747	21	5 7.9	19.4
145308 2005 LD_{1}	16.7	X	38.17290	141.22240	156.49036	2.86073	0.1957032	0.25755343	2.4465710	21	10 19.8	19.5
145309 2005 LE_{1}	16.8	X	59.64830	171.20415	121.46088	3.47204	0.1889187	0.26056967	2.4276541	21	11 10.1	20.1
145310 2005 LF_{1}	16.8	X	43.04014	93.22117	216.53263	5.91611	0.1335351	0.26058134	2.4275816	21	11 1.9	19.8
145311 2005 LH_{1}	14.9	X	145.08554	111.30406	234.34636	11.81920	0.1956542	0.22109904	2.7085996	21	1 9.9	19.2
145312 2005 LB_{3}	14.9	X	328.68451	194.84466	93.19206	16.14726	0.1704757	0.18403183	3.0610758	21	5 17.5	18.7
145313 2005 LK_{3}	14.9	X	162.00012	126.38759	241.08821	11.92324	0.2705509	0.22661651	2.6644547	21	2 22.0	19.7
145314 2005 LE_{5}	16.7	X	41.89944	147.03404	145.76436	3.42118	0.1698935	0.25780080	2.4450057	21	10 14.7	19.5
145315 2005 LR_{5}	16.6	X	333.40571	144.50602	113.51809	6.19195	0.0867153	0.30272897	2.1966796	21	4 9.1	18.9
145316 2005 LV_{5}	15.7	X	137.45244	131.26543	200.60626	4.29091	0.1156370	0.21890272	2.7266870	21	—	—
145317 2005 LA_{6}	16.1	X	199.93458	176.83075	116.17494	11.48011	0.1312867	0.22432739	2.6825502	21	—	—
145318 2005 LT_{13}	16.2	X	47.15136	234.63939	170.73035	6.07020	0.0254491	0.21878098	2.7276984	21	—	—
145319 2005 LC_{14}	15.9	X	2.04527	28.19606	213.49448	5.23708	0.1855907	0.24109779	2.5566654	21	5 3.1	18.1
145320 2005 LE_{16}	16.2	X	178.10042	62.02391	212.08012	3.35188	0.0688298	0.21271229	2.7793356	21	—	—
145321 2005 LU_{18}	15.8	X	55.26413	164.96691	150.76944	7.06233	0.0545646	0.20361245	2.8615400	21	11 7.2	19.8
145322 2005 LP_{22}	15.8	X	321.76276	107.07875	185.20176	1.48057	0.1824480	0.17946868	3.1127454	21	5 5.9	19.7
145323 2005 LR_{22}	14.9	X	16.66806	319.89023	278.25254	7.52256	0.1532275	0.18107651	3.0942921	21	6 3.7	18.5
145324 2005 LE_{25}	16.9	X	346.81819	254.58968	133.88656	3.37945	0.1308354	0.26573912	2.3960675	21	11 23.1	19.1
145325 2005 LG_{28}	15.6	X	102.29066	164.89541	147.09181	8.03157	0.1417392	0.20502556	2.8483764	21	—	—
145326 2005 LB_{33}	15.6	X	44.72169	5.88773	69.94043	15.50195	0.0725058	0.22558956	2.6725349	21	—	—
145327 2005 LA_{36}	17.1	X	138.84895	359.41249	128.70536	1.01271	0.0438568	0.25093438	2.4894071	21	6 17.3	20.3
145328 2005 LH_{36}	16.4	X	219.00571	187.85509	84.29897	3.51366	0.1675342	0.22506779	2.6766637	21	—	—
145329 2005 LH_{38}	15.8	X	179.19435	307.30020	100.14914	13.40649	0.2280270	0.23943754	2.5684704	21	5 2.1	20.4
145330 2005 LR_{38}	16.2	X	202.90848	268.15911	99.29029	10.57467	0.0952752	0.23728132	2.5840070	21	4 2.3	20.3
145331 2005 LC_{39}	16.1	X	80.21505	89.78425	154.99028	7.81925	0.0923070	0.25744483	2.4472590	21	9 18.6	19.2
145332 2005 LT_{45}	15.5	X	159.05962	245.11926	125.75919	13.97129	0.1738467	0.22822970	2.6518845	21	2 24.0	19.7
145333 2005 LG_{49}	15.8	X	94.03425	181.32708	216.31984	5.35931	0.0354234	0.22474305	2.6792415	21	—	—
145334 2005 LP_{49}	15.8	X	269.36151	161.02015	177.61570	5.22444	0.2079122	0.24088496	2.5581711	21	4 20.5	19.6
145335 2005 LM_{50}	16.1	X	225.72516	164.51230	212.99381	12.45689	0.2462926	0.23991219	2.5650815	21	4 26.2	20.3
145336 2005 LM_{52}	15.5	X	166.62259	209.66183	186.01026	27.88511	0.0151895	0.23559362	2.5963329	21	3 17.5	19.0
145337 2005 MG_{1}	16.0	X	245.35755	239.90054	267.74686	0.92269	0.0093433	0.19627641	2.9324051	21	11 21.7	20.2
145338 2005 MR_{2}	16.2	X	4.01145	348.61120	282.01207	2.72234	0.1714975	0.24313270	2.5423800	21	6 24.2	18.5
145339 2005 MD_{3}	14.7	X	293.00937	188.98482	129.29711	11.49205	0.1253759	0.17591759	3.1544952	21	5 11.4	19.3
145340 2005 MZ_{3}	16.1	X	80.64195	184.48605	162.76185	2.85481	0.0485935	0.21356705	2.7719149	21	—	—
145341 2005 MT_{7}	16.0	X	152.94235	150.10237	216.68974	2.00614	0.1129050	0.22803391	2.6534022	21	2 4.2	20.0
145342 2005 MS_{9}	16.2	X	208.70738	299.86047	250.13249	5.53818	0.0522558	0.26337864	2.4103625	21	12 6.1	19.2
145343 2005 MY_{9}	15.1	X	309.12389	43.62908	264.15511	5.25278	0.1847442	0.17641960	3.1485082	21	5 5.5	19.4
145344 2005 MN_{11}	15.5	X	166.98535	226.95576	115.35619	15.02889	0.1177271	0.22526976	2.6750636	21	1 22.0	19.5
145345 2005 MA_{12}	15.6	X	48.48468	214.65240	157.19057	6.50017	0.0541849	0.21236999	2.7823213	21	—	—
145346 2005 MU_{12}	16.0	X	81.00115	217.98743	172.14669	9.79278	0.0883287	0.21954396	2.7213750	21	—	—
145347 2005 MB_{13}	15.9	X	279.45187	154.31237	105.89454	3.02856	0.0302788	0.22524875	2.6752300	21	2 14.2	19.6
145348 2005 MJ_{15}	14.9	X	117.69267	244.94973	141.27968	10.29672	0.0692155	0.15544755	3.4256801	21	1 26.6	19.7
145349 2005 MS_{15}	16.3	X	178.64304	27.86275	220.27161	0.72284	0.1728653	0.20991567	2.8039664	21	12 25.4	20.8
145350 2005 MR_{18}	16.1	X	354.01370	103.41234	273.05294	5.53651	0.1279109	0.25555224	2.4593269	21	11 13.6	18.5
145351 2005 ML_{19}	15.9	X	22.15809	333.40897	171.35392	13.39042	0.1134677	0.23253448	2.6190541	21	1 23.7	19.1
145352 2005 MF_{21}	15.1	X	276.91998	256.97698	139.94526	9.35874	0.1348979	0.18287490	3.0739725	21	7 24.5	19.5
145353 2005 MK_{21}	16.3	X	277.35445	334.40492	214.22110	0.84789	0.0323581	0.21273576	2.7791312	21	—	—
145354 2005 MY_{21}	15.3	X	265.34659	198.35044	125.83438	2.67202	0.1787056	0.17169031	3.2060640	21	4 7.7	20.1
145355 2005 MM_{22}	15.4	X	5.47219	25.73325	302.16403	8.62676	0.0925904	0.18893584	3.0078753	21	9 9.3	19.3
145356 2005 MV_{23}	16.5	X	201.65370	148.27248	104.42071	7.06909	0.1485362	0.27608660	2.3358189	21	—	—
145357 2005 ME_{25}	14.8	X	290.00747	197.25986	121.34847	12.11739	0.1959033	0.17618811	3.1512655	21	4 28.9	19.5
145358 2005 MX_{25}	16.4	X	96.00444	298.39067	135.99361	4.66713	0.0650475	0.22307771	2.6925592	21	2 15.2	19.7
145359 2005 ME_{26}	16.8	X	93.92441	288.45100	146.39431	5.21935	0.0881150	0.29272776	2.2464329	21	1 31.2	19.1
145360 2005 MC_{27}	16.2	X	82.09616	194.38093	235.29000	2.64081	0.0705336	0.21994534	2.7180632	21	1 21.3	19.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145361 2005 MF_{29}	15.2	X	266.29186	178.08104	165.10739	8.92380	0.0709045	0.17455031	3.1709469	21	5 15.7	19.9
145362 2005 MV_{29}	16.5	X	70.58129	297.96958	252.76410	6.33713	0.0853189	0.23996496	2.5647054	21	6 17.7	19.5
145363 2005 MH_{31}	15.3	X	226.28622	143.15283	294.21359	10.21572	0.1141915	0.18331083	3.0690971	21	7 20.0	20.0
145364 2005 MB_{35}	15.1	X	159.13356	220.80296	166.42175	13.34660	0.2945628	0.22998493	2.6383747	21	3 22.7	19.7
145365 2005 MT_{35}	15.6	X	55.68018	242.43865	112.71347	6.82698	0.0750906	0.20211237	2.8756815	21	12 26.6	19.6
145366 2005 MP_{39}	15.4	X	327.12803	77.33467	223.34746	1.70652	0.1767632	0.17925229	3.1152500	21	5 26.8	18.9
145367 2005 MS_{41}	15.8	X	261.16330	229.60334	137.65173	2.49795	0.1125653	0.17695233	3.1421858	21	6 1.4	20.4
145368 2005 MB_{43}	14.7	X	343.69214	146.56157	202.60853	3.00217	0.1969762	0.12406604	3.9813844	21	8 26.9	19.2
145369 2005 MK_{43}	15.9	X	185.34191	55.50122	217.93366	6.49281	0.0754611	0.21852757	2.7298067	21	—	—
145370 2005 MZ_{43}	15.9	X	209.94488	14.91819	255.22538	8.79626	0.0976775	0.21642753	2.7474368	21	—	—
145371 2005 MT_{44}	15.9	X	196.95106	68.99181	224.94469	8.15249	0.0462533	0.21650172	2.7468091	21	—	—
145372 2005 MZ_{44}	16.6	X	330.59020	66.22171	205.55364	3.60950	0.1674244	0.24242258	2.5473425	21	4 16.8	19.1
145373 2005 MV_{49}	14.9	X	319.34031	250.86469	119.25200	3.89544	0.2368995	0.12268272	4.0112567	21	8 5.3	19.5
145374 2005 MJ_{50}	15.2	X	26.74870	194.27245	100.17778	10.62560	0.1590905	0.18922063	3.0048564	21	9 15.6	19.0
145375 2005 NK_{4}	16.6	X	178.26102	147.20190	278.11528	3.15647	0.1341818	0.29577385	2.2309827	21	5 11.8	19.9
145376 2005 NA_{6}	14.2	X	347.19128	35.18312	247.10919	23.07196	0.2107845	0.18491599	3.0513105	21	6 4.1	17.4
145377 2005 NJ_{6}	15.3	X	67.15022	41.67103	272.63112	5.01497	0.0813657	0.19908238	2.9047862	21	11 19.9	19.5
145378 2005 NB_{8}	16.4	X	157.52481	269.33202	203.00872	3.76711	0.0889508	0.23952065	2.5678762	21	6 22.2	20.2
145379 2005 NU_{8}	17.3	X	296.73753	72.75044	138.36304	3.98303	0.1605615	0.28406804	2.2918585	21	—	—
145380 2005 NK_{11}	16.1	X	38.23627	162.11611	139.72345	2.47931	0.0919165	0.19249712	2.9706619	21	9 30.0	20.0
145381 2005 NR_{12}	15.6	X	127.77298	273.72459	121.21273	15.25804	0.0582051	0.22250232	2.6971992	21	2 5.7	19.2
145382 2005 NY_{12}	15.0	X	345.99925	225.93142	119.45246	10.87223	0.0850587	0.18879998	3.0093181	21	9 8.9	18.8
145383 2005 NE_{14}	15.5	X	75.69305	280.87706	300.53839	3.26217	0.0619244	0.17951050	3.1122619	21	8 1.3	19.8
145384 2005 NA_{16}	15.9	X	352.94141	185.05979	84.45885	2.37685	0.1379961	0.18026991	3.1035153	21	6 3.3	19.5
145385 2005 NF_{16}	16.3	X	140.54698	79.97836	339.85057	2.42267	0.0359633	0.22877184	2.6476933	21	3 19.8	19.8
145386 2005 NY_{16}	16.1	X	354.05748	64.69751	226.53390	1.22569	0.1846939	0.18329769	3.0692438	21	7 4.2	19.4
145387 2005 NV_{18}	16.7	X	269.48538	52.59273	187.47906	1.50410	0.1989810	0.28561887	2.2835549	21	—	—
145388 2005 NP_{24}	16.7	X	93.87058	344.47855	239.18114	2.51070	0.0729479	0.25150497	2.4856406	21	9 1.4	20.1
145389 2005 NH_{31}	17.2	X	269.87304	15.28785	135.36252	4.06057	0.0787806	0.26865161	2.3787187	21	—	—
145390 2005 NW_{31}	15.0	X	250.21710	232.04033	181.98293	9.75833	0.1121324	0.18335187	3.0686391	21	7 15.9	19.6
145391 2005 ND_{39}	16.0	X	100.92522	196.94042	42.02084	5.36080	0.1617842	0.25711773	2.4493341	21	10 13.2	19.5
145392 2005 NS_{39}	15.0	X	302.52092	344.20909	97.38851	18.86380	0.0353973	0.19945453	2.9011718	21	11 16.5	19.1
145393 2005 NB_{43}	15.5	X	290.44185	173.83718	189.08876	2.83895	0.1401478	0.18131581	3.0915690	21	6 27.8	19.6
145394 2005 NT_{43}	17.0	X	328.98208	188.66179	275.27446	1.60703	0.1527239	0.26934153	2.3746549	21	—	—
145395 2005 ND_{51}	16.0	X	126.33263	223.03090	295.26794	12.43113	0.1035898	0.24386751	2.5372704	21	7 19.1	19.6
145396 2005 NE_{53}	14.4	X	342.81486	104.56212	220.65351	3.77755	0.2054597	0.12274683	4.0098599	21	7 24.6	19.1
145397 2005 NC_{54}	14.8	X	5.74751	116.50855	198.86074	3.03187	0.1838484	0.12461893	3.9695997	21	8 25.8	19.3
145398 2005 NH_{54}	16.3	X	80.50956	235.85530	220.52115	2.70006	0.0458209	0.22408224	2.6845063	21	2 18.2	19.7
145399 2005 NJ_{56}	16.4	X	345.31621	112.70326	152.03696	3.46042	0.0874035	0.24464227	2.5319107	21	5 13.9	19.3
145400 2005 NN_{65}	16.1	X	248.50283	35.21140	194.20238	2.91974	0.0536057	0.21476356	2.7616099	21	—	—
145401 2005 NL_{70}	15.0	X	297.09391	208.87744	106.20231	6.23801	0.1392827	0.17527662	3.1621809	21	5 8.6	19.3
145402 2005 NT_{72}	15.6	X	187.28713	293.71240	315.36633	5.70565	0.0502678	0.20918227	2.8105165	21	—	—
145403 2005 NC_{73}	16.2	X	288.66654	29.97688	238.12548	4.94695	0.1381666	0.22884887	2.6470991	21	2 17.5	20.0
145404 2005 NX_{79}	14.9	X	268.66789	31.22784	340.57204	10.28378	0.0710252	0.18143888	3.0901708	21	6 21.8	19.5
145405 2005 NK_{80}	16.2	X	176.82028	74.44856	294.48651	8.40656	0.2664558	0.28553328	2.2840112	21	3 2.9	20.2
145406 2005 NL_{83}	15.2	X	164.22674	226.13688	203.94370	4.82693	0.0617482	0.17191830	3.2032289	21	5 8.4	19.9
145407 2005 NN_{83}	15.4	X	35.35589	132.11545	229.26958	4.37562	0.0750190	0.19943407	2.9013702	21	12 8.4	19.3
145408 2005 NJ_{84}	15.3	X	177.99037	119.89979	309.70017	8.04321	0.0791161	0.17482430	3.1676330	21	5 20.7	20.2
145409 2005 NT_{86}	15.6	X	55.04590	307.41169	25.81548	9.23171	0.0675870	0.19810821	2.9143010	21	11 25.3	19.7
145410 2005 NN_{87}	15.2	X	279.25542	99.25161	210.56957	6.94800	0.1992553	0.23794393	2.5792076	21	3 23.8	19.1
145411 2005 NL_{99}	15.1	X	228.28263	279.36806	161.28158	15.85785	0.2091371	0.18137526	3.0908934	21	7 17.2	20.3
145412 2005 OO	15.2	X	196.92900	117.16936	316.48252	9.60498	0.0815275	0.17744979	3.1363105	21	6 16.7	20.1
145413 2005 OK_{8}	15.5	X	213.36953	321.31038	161.35927	10.24114	0.0278726	0.18986887	2.9980132	21	9 9.5	19.8
145414 2005 OM_{13}	15.9	X	165.26727	280.11319	101.89880	6.59320	0.0871702	0.22094186	2.7098841	21	3 10.6	19.9
145415 2005 OW_{14}	15.1	X	324.65558	322.18447	355.84156	8.88741	0.1806731	0.18122910	3.0925549	21	6 13.8	19.0
145416 2005 OA_{24}	15.4	X	237.64725	172.19779	201.55282	7.40866	0.1083722	0.17223153	3.1993440	21	5 15.9	20.4
145417 2005 PC_{2}	13.8	X	358.99049	198.80102	136.98043	8.81095	0.2609019	0.12424398	3.9775819	21	9 14.2	17.9
145418 2005 PO_{11}	15.7	X	332.04523	355.75716	100.57654	3.20243	0.0294619	0.20292611	2.8679887	21	—	—
145419 2005 PW_{15}	15.4	X	89.34922	190.26790	6.55182	7.15671	0.0258481	0.17861345	3.1226737	21	7 14.6	19.9
145420 2005 PP_{17}	14.8	X	273.49395	258.96633	72.67408	17.62205	0.1526201	0.17398915	3.1777613	21	5 2.5	19.6
145421 2005 PD_{19}	14.7	X	0.53945	357.10706	338.42055	1.91793	0.2529778	0.12479470	3.9658714	21	9 14.6	18.7
145422 2005 PT_{20}	14.2	X	356.19881	239.91281	103.28685	6.23585	0.2876670	0.12483795	3.9649554	21	9 19.5	18.1
145423 2005 QQ_{4}	15.3	X	347.22419	188.07431	120.21009	2.82792	0.1605855	0.17985001	3.1083440	21	7 15.6	18.5
145424 2005 QC_{16}	15.8	X	286.88913	182.07399	155.57441	1.33257	0.0901976	0.17350803	3.1836330	21	5 29.6	20.1
145425 2005 QP_{39}	15.0	X	164.37009	301.28206	283.23252	10.83915	0.0035772	0.19631334	2.9320374	21	11 15.9	19.2
145426 2005 QS_{48}	13.0	X	23.74976	305.12138	9.22317	11.29343	0.2768379	0.12504501	3.9605770	21	10 7.4	17.5
145427 2005 QE_{52}	15.5	X	45.68582	99.62305	174.59580	2.20871	0.1193303	0.18503707	3.0499793	21	9 6.6	19.4
145428 2005 QP_{64}	14.9	X	239.70910	208.55733	88.63559	3.36210	0.0583063	0.15852817	3.3811550	21	2 21.7	19.9
145429 2005 QO_{65}	14.7	X	251.30050	136.26622	211.79326	10.96763	0.0833779	0.17014273	3.2254757	21	5 1.3	19.4
145430 2005 QH_{72}	16.1	X	98.23109	87.27971	244.98432	1.25221	0.2167812	0.26408477	2.4060638	21	—	—
145431 2005 QZ_{77}	16.4	X	108.20338	252.21908	185.06331	1.69489	0.0542647	0.21870802	2.7283049	21	3 5.5	20.1
145432 2005 QJ_{78}	17.2	X	156.13359	197.15557	216.19731	2.09757	0.1510461	0.28431332	2.2905402	21	4 4.8	20.6
145433 2005 QU_{79}	14.7	X	281.44506	76.17216	239.19023	8.63067	0.0443177	0.16993483	3.2281059	21	4 30.3	19.3
145434 2005 QV_{84}	16.1	X	203.33297	229.25993	316.01404	5.77236	0.0438359	0.25611074	2.4557502	21	11 21.3	19.6
145435 2005 QU_{87}	15.0	X	28.48214	51.66221	230.71051	8.70078	0.0858060	0.18151262	3.0893337	21	8 14.4	19.1
145436 2005 QF_{90}	15.7	X	337.43446	114.09309	312.73155	4.76648	0.0833349	0.19870553	2.9084577	21	12 8.9	19.3
145437 2005 QC_{94}	13.9	X	19.85216	238.22110	72.35337	5.56161	0.1825647	0.12320906	3.9998246	21	9 17.6	18.7
145438 2005 QM_{94}	15.4	X	321.37279	167.02878	162.06683	0.78662	0.1757098	0.17979789	3.1089447	21	6 24.7	19.2
145439 2005 QQ_{101}	15.2	X	12.93805	242.43425	323.48594	10.45479	0.1561174	0.22931511	2.6435098	21	3 29.9	18.0
145440 2005 QU_{143}	14.4	X	75.75461	9.56392	223.50792	16.20083	0.1346451	0.17980430	3.1088708	21	8 20.8	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145441 2005 QY_{157}	15.2	X	299.44749	287.04117	118.59307	11.69858	0.1360647	0.18368439	3.0649346	21	9 10.2	19.2
145442 2005 QB_{160}	15.0	X	128.19469	126.69327	104.21064	11.13808	0.0500890	0.19026247	2.9938770	21	10 20.3	19.6
145443 2005 QR_{165}	14.0	X	47.79629	183.79778	130.08896	5.13475	0.2373715	0.12680549	3.9238346	21	11 8.8	19.3
145444 2005 QD_{175}	16.3	X	201.55859	51.73970	286.02896	2.61836	0.1044703	0.21962477	2.7207073	21	2 18.9	20.5
145445 Le Floch	15.8	X	125.31911	153.10194	117.52379	3.30337	0.0731447	0.19703044	2.9249189	21	12 1.4	20.3
145446 2005 RN_{10}	14.8	X	331.97221	131.31975	189.06961	22.53454	0.2101810	0.17706382	3.1408667	21	6 26.2	18.8
145447 2005 RE_{12}	16.8	X	30.32802	316.22623	154.40627	2.00837	0.0505274	0.27588186	2.3369744	21	—	—
145448 2005 RJ_{26}	14.9	X	36.62039	80.04383	177.26130	5.39366	0.1061783	0.17893856	3.1188902	21	7 29.4	18.9
145449 2005 RN_{27}	15.4	X	184.36732	121.31741	305.86024	8.56325	0.0638918	0.22683407	2.6627508	21	5 22.0	19.4
145450 2005 RM_{31}	14.6	X	280.71090	285.21237	120.16792	10.89775	0.2329897	0.17719534	3.1393123	21	7 26.1	18.8
145451 2005 RM_{43}	4.4	X	6.98840	318.01619	84.61588	28.79021	0.6136887	0.00114010	90.7487553	21	12 11.8	20.2
145452 2005 RN_{43}	3.7	X	353.27236	167.08540	187.02520	19.23282	0.0298410	0.00364110	41.8454263	21	9 8.3	19.8
145453 2005 RR_{43}	4.0	X	50.81860	278.79453	85.81001	28.54674	0.1414731	0.00346518	43.2499271	21	12 5.1	20.0
145454 2005 SL_{3}	15.3	X	12.71493	222.62984	130.34252	1.97359	0.1727269	0.18592731	3.0402357	21	11 5.7	18.7
145455 2005 SU_{3}	15.3	X	324.90975	238.48282	41.88020	10.97207	0.1375941	0.22818175	2.6522560	21	4 26.7	18.2
145456 2005 SA_{5}	14.1	X	307.00350	37.27127	257.95256	21.06944	0.0613341	0.16992993	3.2281680	21	5 3.9	18.8
145457 2005 SE_{5}	15.5	X	353.74277	201.33711	112.34089	2.47909	0.1454217	0.18203398	3.0834322	21	8 5.8	18.8
145458 2005 SF_{22}	14.5	X	10.02472	234.36083	33.26217	10.38193	0.1908104	0.17605301	3.1528774	21	7 5.5	18.0
145459 2005 SA_{25}	15.5	X	145.69494	251.58165	78.17625	6.91853	0.0552044	0.20712944	2.8290557	21	—	—
145460 2005 SZ_{31}	16.0	X	71.73621	265.71197	139.74921	2.72945	0.0780980	0.20384756	2.8593394	21	—	—
145461 2005 SD_{69}	17.0	X	332.05677	40.63830	213.21503	4.55985	0.1777608	0.29090158	2.2558246	21	3 12.5	19.4
145462 2005 ST_{69}	15.7	X	315.85622	225.19435	115.98765	16.25167	0.1342123	0.23775376	2.5805827	21	7 8.1	18.5
145463 2005 SU_{112}	15.1	X	297.83839	126.05871	269.22852	8.71002	0.0714848	0.17954603	3.1118513	21	8 25.4	19.4
145464 2005 SW_{133}	15.0	X	228.80520	287.39988	117.88213	22.71674	0.0546492	0.23074226	2.6325985	21	6 19.9	18.9
145465 2005 SS_{134}	15.1	X	357.94783	286.13442	47.62616	2.62211	0.1440111	0.17982247	3.1086614	21	9 11.4	18.7
145466 2005 SN_{165}	17.0	X	12.38316	287.43449	137.15037	2.71742	0.2012600	0.25990969	2.4317620	21	—	—
145467 2005 ST_{167}	16.3	X	168.34389	159.09396	209.08118	5.81537	0.2296167	0.27679374	2.3318389	21	2 23.3	20.2
145468 2005 SH_{173}	15.7	X	358.61905	28.45396	230.60593	4.35012	0.1477929	0.17151302	3.2082730	21	5 30.6	19.3
145469 2005 SE_{222}	15.7	X	183.13625	359.89840	108.30247	15.58810	0.0470622	0.23495730	2.6010183	21	7 16.1	19.2
145470 2005 SJ_{222}	15.7	X	187.47430	246.83270	115.31146	13.58334	0.0577254	0.21820237	2.7325182	21	3 10.5	19.9
145471 2005 ST_{234}	15.3	X	78.10236	135.73928	104.40003	1.80888	0.1546512	0.18306852	3.0718047	21	9 11.7	19.7
145472 2005 SD_{256}	14.9	X	32.49809	27.83294	218.63829	4.00389	0.1168039	0.17584858	3.1553205	21	7 9.9	18.8
145473 2005 SL_{262}	14.3	X	43.89020	89.66365	213.00270	8.39674	0.1977590	0.12650976	3.9299471	21	10 13.4	19.3
145474 2005 SA_{278}	6.1	X	353.76607	276.85578	170.24491	16.26068	0.6415817	0.00111015	92.3737298	21	11 17.6	21.6
145475 Rehoboth	16.1	X	334.18837	171.89466	29.60004	2.99003	0.0233435	0.21352735	2.7722584	21	2 12.9	19.8
145476 2005 TW_{65}	15.0	X	281.35654	90.43570	267.16127	9.20246	0.0130811	0.17069060	3.2185701	21	6 27.8	19.4
145477 2005 TM_{76}	15.2	X	178.95343	253.40143	114.28440	10.19624	0.1527902	0.21907962	2.7252189	21	3 11.8	19.7
145478 2005 TC_{86}	13.8	X	321.16678	204.53139	247.89104	10.46014	0.2167841	0.12507575	3.9599281	21	11 21.2	18.4
145479 2005 TE_{124}	15.9	X	45.67639	76.67500	342.90570	1.54785	0.0545098	0.20157899	2.8807520	21	—	—
145480 2005 TB_{190}	4.4	X	2.54598	171.23169	180.45060	26.42072	0.3981283	0.00146544	76.7639751	21	9 21.3	21.1
145481 2005 UA_{72}	14.9	X	285.19770	153.53044	279.45499	8.37331	0.0487249	0.18145347	3.0900051	21	9 28.3	19.3
145482 2005 UD_{130}	15.1	X	230.16939	24.39037	112.57921	12.74459	0.1076448	0.18106393	3.0944354	21	10 12.8	19.9
145483 2005 UM_{142}	14.9	X	320.24186	259.81002	121.77492	9.18089	0.1881139	0.17786174	3.1314659	21	9 4.4	18.4
145484 2005 UV_{273}	15.1	X	200.87594	238.75943	260.57600	8.89798	0.0378155	0.17899653	3.1182168	21	9 8.7	19.8
145485 2005 UN_{398}	14.2	X	220.01405	233.58323	141.22279	11.55951	0.5195167	0.10034095	4.5865267	21	4 20.7	22.4
145486 2005 UJ_{438}	10.8	X	53.89675	208.00623	263.01592	3.78251	0.5299241	0.01336736	17.5835136	21	5 7.1	22.9
145487 2005 UG_{455}	14.9	X	253.57046	116.85117	289.47082	16.23270	0.1142554	0.17430166	3.1739618	21	7 11.3	19.6
145488 Kaczendre	16.6	X	100.15817	162.83278	276.97837	5.73127	0.1022549	0.27298907	2.3534549	21	2 21.2	19.4
145489 2005 VG_{33}	15.2	X	135.04363	180.71860	269.14059	21.12331	0.0379774	0.22729063	2.6591838	21	4 14.7	19.4
145490 2005 VB_{102}	15.0	X	341.59560	63.00518	317.00673	9.06077	0.0828424	0.18096470	3.0955665	21	10 8.4	19.1
145491 2005 VX_{108}	15.4	X	304.35919	336.48980	66.27944	1.35965	0.0893342	0.17808013	3.1289052	21	9 16.1	19.3
145492 2005 WD_{6}	14.0	X	334.14985	333.24660	122.69472	11.63431	0.2286981	0.12609935	3.9384694	21	12 21.1	18.4
145493 2005 WA_{7}	14.5	X	355.02354	344.78818	86.02929	1.63741	0.1076965	0.12712771	3.9172013	21	12 23.7	19.4
145494 2005 WO_{35}	15.8	X	140.51007	195.97313	215.16117	1.35367	0.0858306	0.21123435	2.7922846	21	3 17.0	19.6
145495 2005 WK_{37}	17.0	X	137.21971	337.19099	93.04531	3.27899	0.1789178	0.27691152	2.3311776	21	4 12.5	20.3
145496 2005 WQ_{113}	13.8	X	115.42540	247.02214	261.42601	24.78744	0.0923277	0.16187619	3.3343721	21	6 21.5	18.7
145497 2005 XZ_{67}	15.2	X	349.55636	283.09150	141.11585	10.51183	0.1208460	0.17618680	3.1512811	21	12 21.4	19.2
145498 2005 YQ_{190}	15.8	X	85.08073	236.55552	56.04322	0.62136	0.1572591	0.17418206	3.1754146	21	11 19.9	20.7
145499 2006 BV_{33}	15.2	X	189.66629	305.29103	340.62726	4.31805	0.1444749	0.18150564	3.0894130	21	—	—
145500 2006 BL_{59}	15.8	X	67.38397	189.79555	143.32278	13.16519	0.1866256	0.24065752	2.5597826	21	—	—
145501 2006 BC_{101}	15.1	X	262.43100	23.05549	198.17304	8.38427	0.0522784	0.18830430	3.0145967	21	—	—
145502 2006 BA_{191}	15.8	X	358.58946	52.40045	156.17076	5.75284	0.1537463	0.19197922	2.9760021	21	3 20.2	19.0
145503 2006 BJ_{215}	14.8	X	106.33831	259.26438	53.06498	7.11281	0.0608816	0.17859727	3.1228624	21	12 26.0	19.4
145504 2006 BC_{242}	17.0	X	334.91639	186.56665	105.24308	3.59865	0.1967353	0.27575797	2.3376743	21	5 18.3	18.9
145505 2006 BN_{258}	15.2	X	54.93281	138.46224	351.15149	9.71849	0.0281829	0.19776882	2.9176341	21	3 3.2	19.1
145506 2006 DH_{10}	15.5	X	143.22676	145.91484	19.95981	3.57743	0.1278444	0.21644983	2.7472481	21	8 18.8	19.7
145507 2006 DW_{40}	14.9	X	224.79269	62.60230	132.41339	2.97377	0.1446281	0.17191726	3.2032418	21	12 3.9	19.7
145508 2006 DO_{50}	15.3	X	191.46841	335.02316	152.58404	9.19620	0.0839743	0.21920856	2.7241502	21	8 18.3	19.3
145509 2006 DX_{65}	15.8	X	141.09094	268.48729	288.18202	5.06968	0.0802166	0.22320800	2.6915113	21	9 18.7	19.9
145510 2006 DZ_{82}	15.8	X	13.40870	241.50982	199.98239	2.31045	0.0761280	0.18068253	3.0987885	21	—	—
145511 2006 DL_{93}	15.9	X	328.33516	107.74949	349.33423	2.73364	0.0941592	0.17479641	3.1679699	21	12 27.9	19.9
145512 2006 DP_{93}	15.6	X	323.48508	128.71283	347.60855	1.27453	0.0669334	0.17577915	3.1561513	21	—	—
145513 2006 DY_{96}	15.8	X	274.14865	196.26640	172.75733	5.44683	0.0618615	0.21080323	2.7960904	21	6 25.6	19.6
145514 2006 DN_{119}	14.8	X	220.49077	163.97774	72.43347	12.80092	0.1606580	0.17908325	3.1172100	21	—	—
145515 2006 DA_{122}	15.8	X	137.98044	57.58883	129.69240	6.29035	0.0106940	0.22011294	2.7166832	21	9 2.6	19.6
145516 2006 DC_{148}	15.6	X	206.24266	63.35271	319.07759	1.10712	0.0812673	0.20318124	2.8655873	21	4 21.7	19.9
145517 2006 DX_{152}	16.9	X	51.09552	48.48756	213.26718	2.16615	0.1430150	0.27811110	2.3244694	21	9 9.7	19.5
145518 2006 DN_{199}	16.1	X	310.86026	183.96454	73.16263	5.76948	0.1568735	0.26041647	2.4286061	21	2 27.9	19.2
145519 2006 DD_{208}	15.5	X	323.95335	298.63520	219.06574	3.25257	0.1594406	0.18298464	3.0727434	21	—	—
145520 2006 EA_{16}	16.8	X	354.82101	86.15250	13.96248	3.29596	0.0734357	0.24381796	2.5376141	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145521 2006 EC_{30}	14.6	X	213.69159	264.86534	354.18978	16.44967	0.0602773	0.17899871	3.1181915	21	—	—
145522 2006 EU_{38}	14.8	X	279.87961	279.11951	187.06343	25.50259	0.2283454	0.17137291	3.2100215	21	10 11.2	19.1
145523 Lulin	15.6	X	86.40287	272.88200	345.18486	10.87372	0.1830103	0.21644455	2.7472927	21	10 14.9	19.8
145524 2006 FS	15.5	X	225.71186	156.84525	23.22200	10.16318	0.1423920	0.23148049	2.6269983	21	11 23.9	19.3
145525 2006 FY_{2}	17.4	X	108.67372	346.76560	165.77975	2.30270	0.1511992	0.27196923	2.3593346	21	6 25.9	20.5
145526 2006 FC_{11}	16.4	X	53.87850	152.50223	100.42074	2.95948	0.1447017	0.27711397	2.3300421	21	9 3.6	18.9
145527 2006 FV_{19}	16.0	X	186.90213	350.79314	200.78024	11.74627	0.1286303	0.22549945	2.6732468	21	11 1.6	20.2
145528 2006 FB_{29}	14.4	X	140.68884	232.63744	351.80819	15.50962	0.0594587	0.15798231	3.3889389	21	10 12.6	19.7
145529 2006 FQ_{31}	15.4	X	345.24869	289.81440	192.98487	6.61169	0.2109640	0.18026090	3.1036187	21	—	—
145530 2006 FW_{32}	16.4	X	156.63552	214.25970	60.10270	3.52541	0.1186086	0.23179807	2.6245983	21	—	—
145531 2006 FF_{33}	17.1	X	183.69720	84.95980	210.29433	6.47686	0.1710860	0.23882211	2.5728810	21	—	—
145532 2006 FD_{42}	16.0	X	160.64316	200.04513	179.17256	4.71027	0.2280585	0.25197541	2.4825458	21	3 6.3	20.1
145533 2006 FE_{51}	15.4	X	81.66224	23.23643	213.15059	16.95021	0.1918510	0.21212074	2.7845005	21	9 13.2	19.7
145534 Jhongda	15.6	X	80.12455	188.93810	105.80916	6.20280	0.1421090	0.22149352	2.7053827	21	11 23.8	19.6
145535 2006 GP_{3}	15.0	X	228.76956	173.33503	89.19209	11.55830	0.0934783	0.17951121	3.1122537	21	—	—
145536 2006 GP_{19}	16.6	X	255.30287	219.80316	73.73968	2.98493	0.1801324	0.25211838	2.4816072	21	2 11.4	20.5
145537 2006 GB_{20}	16.3	X	152.92445	305.42578	106.62673	3.19788	0.0963890	0.19466645	2.9485510	21	4 5.7	20.8
145538 2006 GP_{28}	15.9	X	248.92074	136.82215	105.24046	1.43386	0.0321465	0.24381730	2.5376187	21	—	—
145539 2006 GU_{35}	16.0	X	115.55772	49.99705	187.72219	13.00596	0.1256511	0.22052973	2.7132592	21	10 19.8	20.2
145540 2006 GR_{47}	17.0	X	62.46855	125.15137	131.26075	0.14180	0.1518821	0.27699482	2.3307102	21	9 20.9	19.8
145541 2006 HN_{24}	16.3	X	308.37805	198.96118	120.71853	3.01043	0.0914606	0.20048835	2.8911899	21	6 3.3	20.1
145542 2006 HA_{82}	16.9	X	307.47456	141.11159	149.91262	1.43860	0.1642903	0.25886516	2.4382991	21	4 6.9	19.7
145543 2006 JF_{38}	15.7	X	258.75536	120.01046	137.65715	1.45531	0.0721432	0.18333609	3.0688152	21	1 20.3	20.2
145544 2006 JP_{46}	16.2	X	221.69185	109.88563	160.40242	13.22002	0.2486993	0.23398914	2.6081881	21	—	—
145545 Wensayling	14.8	X	224.44715	122.81535	77.99720	15.42796	0.1649657	0.16473268	3.2957142	21	12 6.9	19.8
145546 Suiqizhong	15.7	X	224.52559	164.34248	137.55344	1.51319	0.1682978	0.17770100	3.1333540	21	2 3.5	20.9
145547 2006 KC_{87}	14.7	X	238.73659	174.51773	127.16926	49.00937	0.1489898	0.23943428	2.5684937	21	2 6.9	18.9
145548 2006 KG_{99}	16.8	X	297.97759	188.55717	190.15017	2.18921	0.1530323	0.26266648	2.4147172	21	7 30.0	19.4
145549 2006 KJ_{124}	15.1	X	207.62598	1.02188	354.85740	20.62499	0.2775471	0.24257800	2.5462543	21	3 16.7	19.8
145550 2006 KA_{125}	15.1	X	110.85713	295.80569	56.95873	10.96320	0.3675464	0.21993551	2.7181441	21	1 7.8	19.0
145551 2006 LX_{1}	15.3	X	71.34448	233.59287	114.98582	10.14760	0.1851795	0.21615257	2.7497663	21	—	—
145552 2006 LZ_{1}	15.5	X	292.59103	185.14011	147.15199	10.25731	0.2474717	0.25441608	2.4666432	21	5 4.6	19.0
145553 2006 LN_{5}	16.5	X	115.82096	139.99317	207.86079	5.38927	0.2571713	0.28716139	2.2753700	21	—	—
145554 2006 MJ_{9}	16.4	X	331.11624	186.51840	164.96033	2.43407	0.2470560	0.26329955	2.4108451	21	8 12.6	18.0
145555 2006 MQ_{12}	14.6	X	176.98694	59.63164	312.66942	16.30839	0.2404271	0.17151039	3.2083058	21	3 12.4	20.4
145556 2006 MG_{14}	15.5	X	228.66057	310.87466	35.65603	15.74274	0.1601179	0.24579725	2.5239730	21	3 30.0	19.6
145557 2006 ML_{14}	16.4	X	180.38060	341.06957	308.06280	7.09190	0.2122814	0.29386300	2.2406436	21	—	—
145558 Raiatea	15.9	X	131.61649	254.61592	41.92336	3.16431	0.1742610	0.21911299	2.7249423	21	—	—
145559 Didiermüller	15.1	X	256.30660	186.90588	190.86335	11.12966	0.1184941	0.19059125	2.9904330	21	6 8.2	19.7
145560 2006 OG_{2}	16.0	X	129.58899	202.16224	113.82710	13.52381	0.2255806	0.22360260	2.6883439	21	—	—
145561 2006 OV_{2}	15.6	X	108.39688	202.36442	92.92098	10.53192	0.1395822	0.21573108	2.7533467	21	12 20.1	20.0
145562 Zurbriggen	15.8	X	148.67708	328.79554	339.41408	4.28416	0.1579607	0.22268528	2.6957217	21	—	—
145563 2006 ON_{7}	16.3	X	338.58281	40.20454	311.46866	3.71006	0.2054046	0.26318618	2.4115374	21	9 5.9	17.9
145564 2006 OF_{9}	15.7	X	218.93312	182.34677	135.07967	16.32767	0.2072100	0.23690447	2.5867465	21	2 9.6	20.0
145565 2006 OH_{10}	15.4	X	220.32125	259.45482	89.41207	4.26234	0.0892150	0.17750139	3.1357027	21	3 31.1	20.2
145566 Andreasphilipp	15.2	X	153.48428	355.75572	297.68280	10.98008	0.1743938	0.22244643	2.6976510	21	—	—
145567 2006 OZ_{10}	16.8	X	130.37922	358.30789	294.31881	4.42992	0.1119872	0.28542550	2.2845861	21	—	—
145568 2006 OJ_{11}	15.1	X	197.29841	88.82911	304.16019	14.88676	0.2594079	0.17808971	3.1287930	21	4 19.7	20.9
145569 2006 OL_{11}	17.1	X	175.28677	135.67890	149.53454	6.89324	0.1886246	0.29225102	2.2488752	21	—	—
145570 2006 OM_{11}	16.3	X	313.15928	2.00988	347.33473	1.96838	0.2099518	0.25906243	2.4370612	21	7 3.2	18.7
145571 2006 OY_{11}	15.0	X	239.02232	172.29463	153.26013	17.55306	0.2773947	0.17696460	3.1420405	21	3 10.6	20.5
145572 2006 OJ_{12}	15.8	X	56.90229	203.55650	294.12906	7.62465	0.1121615	0.24185670	2.5513143	21	3 11.3	18.7
145573 2006 OA_{13}	16.2	X	353.62655	318.16411	348.48134	6.60267	0.2558787	0.26366663	2.4086070	21	8 2.3	17.5
145574 2006 OD_{13}	15.7	X	99.78889	206.95628	134.09169	15.05440	0.1666330	0.21883168	2.7272770	21	—	—
145575 2006 OV_{15}	15.7	X	204.72429	213.48982	132.08649	14.39646	0.1913260	0.23732207	2.5837112	21	3 5.7	20.1
145576 2006 PE	14.6	X	240.82740	318.05652	313.58949	17.54538	0.2101748	0.17167417	3.2062649	21	1 15.2	20.1
145577 2006 PK_{1}	16.1	X	298.56341	359.32933	347.40103	2.27036	0.2027837	0.25591704	2.4569892	21	6 4.8	19.2
145578 2006 PA_{4}	15.8	X	190.77760	240.95813	115.77210	14.13812	0.1802836	0.23777621	2.5804203	21	3 8.8	20.2
145579 2006 PQ_{6}	15.6	X	353.89894	38.62709	11.44080	7.70811	0.2204076	0.20947789	2.8078717	21	12 30.5	18.6
145580 2006 PM_{10}	14.8	X	205.67288	54.29775	321.63038	15.01942	0.0697103	0.17827137	3.1266671	21	4 8.1	19.8
145581 2006 PJ_{11}	16.3	X	55.04555	275.13312	61.46720	0.51755	0.0779318	0.20992124	2.8039168	21	12 4.9	20.0
145582 2006 PP_{11}	15.8	X	152.98605	323.44686	333.29301	5.90501	0.1033210	0.22197705	2.7014525	21	—	—
145583 2006 PB_{14}	15.5	X	235.56807	355.14674	10.40857	9.91503	0.2750562	0.24666795	2.5180300	21	4 15.8	20.0
145584 2006 PT_{14}	16.0	X	318.06374	210.28551	92.78903	3.61334	0.1962243	0.25470184	2.4647979	21	5 6.1	18.6
145585 2006 PU_{15}	16.7	X	45.70673	242.76790	21.06846	2.49454	0.1690719	0.26448708	2.4036233	21	9 9.2	19.3
145586 2006 PD_{16}	16.3	X	300.49909	291.09192	39.65944	3.29366	0.2036412	0.25412209	2.4685453	21	5 15.7	19.4
145587 2006 PT_{16}	16.9	X	97.68017	175.98296	176.16014	2.88184	0.2172629	0.28493452	2.2872098	21	—	—
145588 Sudongpo	16.9	X	107.77466	136.01070	159.98942	6.57924	0.1147269	0.27901204	2.3194628	21	12 29.4	20.4
145589 2006 PC_{18}	16.8	X	100.66893	321.94879	321.72755	6.55591	0.1058408	0.27607248	2.3358985	21	12 4.7	20.2
145590 2006 PF_{25}	15.8	X	340.10309	214.51818	135.49360	2.74494	0.1021280	0.19862022	2.9092904	21	9 3.3	19.0
145591 2006 PE_{31}	15.2	X	145.54551	216.36727	176.64809	8.47502	0.0578039	0.17044875	3.2216140	21	3 2.6	19.9
145592 2006 PL_{33}	15.6	X	302.73698	286.58382	143.04872	13.13255	0.1557695	0.20386351	2.8591902	21	10 18.9	19.1
145593 Xántus	16.0	X	66.99910	53.53331	231.18330	9.05111	0.0680868	0.20206710	2.8761110	21	10 11.1	20.1
145594 2006 QH_{2}	16.5	X	45.96225	89.16587	178.51859	1.91698	0.1866836	0.26482822	2.4015587	21	9 17.3	19.1
145595 2006 QE_{3}	15.9	X	165.41012	21.20963	348.98960	8.15195	0.1855940	0.29869052	2.2164355	21	2 20.4	19.1
145596 2006 QS_{3}	15.9	X	71.44341	155.59350	165.44445	1.66433	0.2254015	0.21068980	2.7970939	21	12 22.5	20.1
145597 2006 QP_{6}	16.3	X	215.67701	283.21199	156.85777	6.92681	0.1083041	0.25515678	2.4618673	21	7 12.8	20.0
145598 2006 QZ_{6}	17.0	X	160.78919	134.21001	143.25461	5.96215	0.1588427	0.28642770	2.2792539	21	—	—
145599 2006 QV_{8}	16.8	X	29.51480	61.80314	241.57120	0.62029	0.1879061	0.26621886	2.3931881	21	10 12.8	19.4
145600 2006 QS_{11}	14.7	X	221.76330	28.41793	334.20080	15.58808	0.2325898	0.17872662	3.1213555	21	4 2.9	20.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145601 2006 QV_{19}	16.0	X	1.12537	85.75709	201.83576	4.97560	0.1471618	0.25975491	2.4327279	21	7 14.0	18.3
145602 2006 QG_{20}	17.2	X	232.79149	312.62728	348.54569	4.65713	0.2369403	0.30429695	2.1891271	21	1 24.5	20.9
145603 2006 QP_{24}	17.3	X	277.18159	306.30810	345.92321	6.93937	0.1889845	0.30901113	2.1668057	21	2 22.1	20.4
145604 2006 QD_{25}	16.1	X	347.56597	335.40039	315.64793	8.96845	0.2194340	0.25787172	2.4445574	21	6 13.9	18.1
145605 2006 QE_{27}	16.9	X	59.08678	335.73059	316.36136	1.88088	0.1683027	0.26843745	2.3799837	21	11 4.8	19.9
145606 2006 QH_{29}	15.4	X	113.74447	281.08326	60.50876	15.32676	0.1685796	0.22260948	2.6963336	21	—	—
145607 2006 QK_{30}	16.7	X	93.98227	245.35030	110.07540	6.16055	0.1086590	0.28546326	2.2843847	21	—	—
145608 2006 QL_{35}	15.3	X	265.81826	224.66637	135.51625	10.43248	0.0994564	0.18580532	3.0415663	21	6 1.1	19.8
145609 2006 QU_{35}	16.5	X	338.75145	272.24566	62.18810	2.28482	0.1797388	0.26053429	2.4278739	21	8 10.9	18.4
145610 2006 QG_{37}	15.9	X	195.39256	336.98102	341.16992	13.91401	0.0885365	0.23379524	2.6096300	21	1 21.9	19.9
145611 2006 QP_{42}	16.1	X	54.46814	228.20604	127.10873	4.35146	0.1043837	0.21189137	2.7865095	21	12 31.3	20.1
145612 2006 QQ_{45}	16.8	X	125.10307	266.23651	30.89581	7.29397	0.1221743	0.28250476	2.3003056	21	—	—
145613 2006 QT_{47}	16.6	X	172.33522	283.24417	83.16440	2.89138	0.1693947	0.23292655	2.6161143	21	3 1.2	20.7
145614 2006 QF_{48}	16.9	X	22.32860	189.87200	133.42711	2.07074	0.1801467	0.26780184	2.3837480	21	10 30.0	19.3
145615 2006 QL_{54}	15.6	X	8.97688	39.26626	336.98946	6.00850	0.1156428	0.20464214	2.8519331	21	11 24.8	19.1
145616 2006 QV_{54}	15.1	X	193.79417	55.81351	351.61749	19.93002	0.2441370	0.17388928	3.1789779	21	5 2.5	21.0
145617 2006 QS_{60}	16.1	X	132.36605	34.39908	346.74368	14.57976	0.1277619	0.22822643	2.6519098	21	2 5.7	19.9
145618 2006 QX_{78}	15.5	X	70.67860	213.48342	140.41731	10.51850	0.1668716	0.21373811	2.7704357	21	—	—
145619 2006 QT_{80}	15.7	X	172.64935	341.23863	328.42709	11.77515	0.1845398	0.22567532	2.6718578	21	—	—
145620 2006 QE_{94}	16.0	X	313.87240	139.84618	254.82786	0.85473	0.1341400	0.19883236	2.9072207	21	9 16.4	19.3
145621 2006 QG_{95}	15.1	X	201.86662	266.49931	137.30062	12.74210	0.1830879	0.17852592	3.1236944	21	5 17.3	20.5
145622 2006 QM_{95}	15.8	X	92.64143	274.27852	81.72515	5.82351	0.0278978	0.21903490	2.7255899	21	—	—
145623 2006 QL_{100}	16.8	X	256.76158	181.28951	79.43138	7.83819	0.1035952	0.30054497	2.2073087	21	—	—
145624 2006 QB_{102}	16.2	X	16.15516	199.52461	192.31756	2.66540	0.0995758	0.21022703	2.8011972	21	12 26.2	19.7
145625 2006 QR_{107}	16.5	X	124.02302	139.65479	210.94050	5.66226	0.1822570	0.28937457	2.2637535	21	—	—
145626 2006 QT_{119}	16.3	X	172.97705	217.85329	112.13787	7.33978	0.2058662	0.29452666	2.2372764	21	1 8.7	19.5
145627 2006 RY_{102}	11.0	X	279.94287	346.86606	94.48910	18.68981	0.2804543	0.06167858	6.3442431	21	8 31.2	19.0
145628 2135 P–L	17.7	X	304.11148	9.33022	332.00444	2.18880	0.1889606	0.32110000	2.1120742	21	6 4.9	19.8
145629 2188 P–L	16.7	X	40.60828	113.55450	286.36654	2.15628	0.1697675	0.27850475	2.3222785	21	—	—
145630 2214 P–L	16.1	X	206.83136	70.84564	309.09788	2.84065	0.0932051	0.23688217	2.5869089	21	4 15.3	20.1
145631 2215 P–L	15.2	X	154.71492	166.38914	244.54376	4.37247	0.1760188	0.17170440	3.2058886	21	4 10.9	20.4
145632 2216 P–L	16.1	X	313.93697	157.19784	208.59429	10.13489	0.1826324	0.19247748	2.9708639	21	7 28.6	19.8
145633 2227 P–L	17.0	X	304.48551	49.74723	336.26309	3.59707	0.2051708	0.25745403	2.4472007	21	8 14.1	19.1
145634 2516 P–L	15.4	X	107.11083	3.68800	6.27605	9.45253	0.1817571	0.21555406	2.7548539	21	—	—
145635 2585 P–L	15.3	X	48.42415	42.93428	10.15007	9.65049	0.1971526	0.21436109	2.7650654	21	—	—
145636 2597 P–L	16.6	X	106.00279	316.33804	22.52346	7.42881	0.2533042	0.27973390	2.3154708	21	—	—
145637 2671 P–L	15.6	X	80.81474	41.34615	14.73816	14.78300	0.1627202	0.21607618	2.7504143	21	1 19.9	19.1
145638 2715 P–L	16.2	X	243.36997	150.83775	179.76697	3.42145	0.1342744	0.23667900	2.5883891	21	3 21.3	20.1
145639 2847 P–L	15.9	X	239.77269	311.59898	11.46549	6.56075	0.1464607	0.23616853	2.5921176	21	3 9.3	19.9
145640 3008 P–L	15.8	X	174.31108	120.38566	296.45392	9.06484	0.1933152	0.23657008	2.5891836	21	4 29.7	20.2
145641 3562 P–L	15.5	X	160.32201	56.50342	290.45277	8.12123	0.1668530	0.28214763	2.3022463	21	1 15.4	18.8
145642 4058 P–L	15.4	X	103.09954	139.93028	243.26663	4.12743	0.1226978	0.21602727	2.7508294	21	—	—
145643 4064 P–L	15.4	X	317.33010	6.08287	324.00536	2.54781	0.1998827	0.19206332	2.9751333	21	6 15.0	18.8
145644 4107 P–L	14.8	X	168.59292	16.90621	327.66229	4.29978	0.1079936	0.16890158	3.2412578	21	2 3.5	19.9
145645 4125 P–L	14.9	X	206.00938	184.14845	193.06974	11.47884	0.2031211	0.17355185	3.1830971	21	4 16.2	20.2
145646 4170 P–L	16.2	X	317.89466	95.35554	236.21869	4.90465	0.1425743	0.25649727	2.4532824	21	6 25.5	18.6
145647 4193 P–L	15.7	X	193.56078	90.44477	328.21474	2.68285	0.1765403	0.23761369	2.5815967	21	5 21.3	19.9
145648 4223 P–L	16.5	X	306.31061	346.70108	328.96901	2.47785	0.1877042	0.25564213	2.4587503	21	5 4.7	19.6
145649 4233 P–L	16.1	X	40.11245	100.64989	284.21796	1.35820	0.1916323	0.21316835	2.7753701	21	—	—
145650 4242 P–L	17.1	X	162.92009	224.40741	192.98522	6.64695	0.3565444	0.23566334	2.5958207	21	5 2.2	22.0
145651 4264 P–L	17.4	X	232.39832	19.00130	346.61805	1.19296	0.1972956	0.27008743	2.3702808	21	4 16.8	21.0
145652 4278 P–L	15.1	X	265.50993	107.09176	227.24277	3.88781	0.1731170	0.17431273	3.1738274	21	4 18.6	19.9
145653 4333 P–L	16.2	X	131.66555	59.96663	358.51802	12.47649	0.1640549	0.23472165	2.6027589	21	3 22.6	20.0
145654 4728 P–L	15.5	X	248.53406	181.36375	186.93738	5.83032	0.2194330	0.17531590	3.1617086	21	5 10.2	20.6
145655 4740 P–L	15.1	X	282.71400	352.34629	337.86266	1.38643	0.1222368	0.17459455	3.1704112	21	5 9.4	19.5
145656 4788 P–L	16.4	X	95.03983	100.92145	174.38505	11.08757	0.5559230	0.22985759	2.6393490	21	12 11.0	22.1
145657 6218 P–L	14.6	X	210.21551	58.81181	344.73184	12.17177	0.2003058	0.17404060	3.1771350	21	5 15.9	20.2
145658 6596 P–L	15.5	X	218.52860	349.74786	8.73738	3.63720	0.1562234	0.23691300	2.5866844	21	3 30.9	19.6
145659 6697 P–L	15.9	X	88.57824	12.63382	51.01118	3.60576	0.1744483	0.21701137	2.7425068	21	2 9.3	19.2
145660 6701 P–L	15.6	X	84.11489	139.63836	179.23438	14.67688	0.1101466	0.21327214	2.7744696	21	12 21.3	20.0
145661 6714 P–L	14.8	X	200.54770	55.99596	3.05536	21.70626	0.1118056	0.17397609	3.1779203	21	5 25.8	20.2
145662 6737 P–L	16.1	X	82.07113	298.82295	12.74114	3.31427	0.1834175	0.21330668	2.7741701	21	12 17.5	20.4
145663 6805 P–L	16.4	X	222.90583	278.92818	60.22307	3.00900	0.2786472	0.23635892	2.5907254	21	3 10.0	21.0
145664 6848 P–L	17.5	X	160.91872	1.32066	16.84985	6.35130	0.1812971	0.29967439	2.2115816	21	2 26.6	20.6
145665 6859 P–L	15.3	X	22.39831	186.92119	123.75460	3.82388	0.0620147	0.19350835	2.9603035	21	9 15.7	19.0
145666 6882 P–L	16.9	X	190.71013	24.19212	8.33186	4.05979	0.2473012	0.23672544	2.5880506	21	4 17.1	21.3
145667 9537 P–L	15.3	X	176.96257	257.02245	173.88056	5.36398	0.0748018	0.23804733	2.5784606	21	5 21.1	19.1
145668 1071 T–1	16.5	X	326.70679	147.70899	337.64764	2.25775	0.1381178	0.27032274	2.3689051	21	—	—
145669 2244 T–1	15.7	X	156.47497	186.42380	20.85596	10.64675	0.1779836	0.22514553	2.6760476	21	10 20.7	20.2
145670 4241 T–1	15.6	X	288.35719	84.45647	171.21613	12.83847	0.1392489	0.23439818	2.6051529	21	2 1.0	19.6
145671 1073 T–2	16.0	X	64.75888	352.74720	355.07046	5.65043	0.0656251	0.27126568	2.3634122	21	—	—
145672 1321 T–2	15.7	X	229.85273	214.87017	171.61710	3.04614	0.1080764	0.24128344	2.5553538	21	5 19.9	19.4
145673 1333 T–2	15.8	X	5.92405	37.07145	322.41053	2.22762	0.2203725	0.18612256	3.0381092	21	11 6.2	19.0
145674 1524 T–2	17.5	X	61.41726	3.12997	344.93856	1.10867	0.1971906	0.27116821	2.3639786	21	—	—
145675 2002 T–2	16.3	X	74.85762	68.52979	304.71870	2.01766	0.1668536	0.27278878	2.3546068	21	—	—
145676 2093 T–2	17.2	X	203.33480	344.79298	10.63106	4.91177	0.1558491	0.30011786	2.2094024	21	3 7.8	20.4
145677 2172 T–2	15.9	X	230.06141	340.83314	5.37095	13.72399	0.1897910	0.23934505	2.5691320	21	3 25.0	20.2
145678 2251 T–2	14.8	X	264.60720	40.36802	356.40349	6.68640	0.1696244	0.18179101	3.0861790	21	7 5.7	19.4
145679 2402 T–2	16.1	X	236.17096	70.31742	327.11026	2.65488	0.2560777	0.24183124	2.5514934	21	5 28.0	20.3
145680 3002 T–2	15.4	X	58.64799	31.34389	8.82158	7.75791	0.2267733	0.21095163	2.7947789	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145681 3018 T–2	16.5	X	26.00364	208.73604	162.52326	7.15865	0.1292394	0.27023700	2.3694061	21	—	—
145682 3131 T–2	15.0	X	319.61722	277.05219	16.64530	13.51197	0.1611565	0.24236711	2.5477311	21	4 27.6	18.0
145683 3275 T–2	17.4	X	49.08704	265.08765	97.57698	1.76574	0.2252899	0.27105175	2.3646556	21	—	—
145684 3279 T–2	15.0	X	258.36481	338.55547	15.58405	11.24999	0.1136095	0.18006909	3.1058223	21	5 9.2	19.7
145685 4075 T–2	16.5	X	180.83987	192.21005	178.94222	9.09135	0.1727300	0.23760928	2.5816287	21	3 12.4	20.7
145686 4077 T–2	16.6	X	181.76835	52.83756	12.23192	8.63118	0.1481833	0.24010056	2.5637398	21	5 16.6	20.7
145687 1072 T–3	15.6	X	313.53706	239.95480	231.25743	10.32799	0.0340928	0.20566705	2.8424504	21	12 31.8	19.5
145688 2159 T–3	17.4	X	359.53005	17.48752	332.21632	2.56904	0.2404276	0.26932943	2.3747260	21	11 2.5	19.0
145689 2219 T–3	15.1	X	342.78140	55.07665	329.06444	2.79496	0.0544464	0.24717117	2.5146112	21	10 29.7	18.1
145690 2280 T–3	16.8	X	84.99940	71.11767	270.52257	1.74074	0.1044943	0.27386962	2.3484076	21	—	—
145691 2319 T–3	15.6	X	290.45038	119.52937	10.23839	14.99845	0.0891056	0.20471755	2.8512327	21	12 19.3	19.5
145692 2625 T–3	14.9	X	78.68960	91.61967	3.79670	11.05570	0.0796868	0.18937570	3.0032158	21	3 1.2	18.9
145693 3112 T–3	16.8	X	17.95990	356.93382	19.19341	2.52434	0.2246225	0.27149008	2.3621097	21	—	—
145694 3198 T–3	16.6	X	16.15530	198.60374	188.25725	8.06401	0.0442929	0.27195985	2.3593889	21	12 26.7	19.6
145695 3290 T–3	15.5	X	207.22622	105.86618	19.50528	25.52902	0.1060438	0.22134090	2.7066261	21	9 13.3	19.9
145696 3361 T–3	15.1	X	221.03909	164.50166	191.61183	5.05560	0.1653443	0.17183103	3.2043135	21	4 4.6	20.4
145697 3394 T–3	16.5	X	9.92031	194.84788	155.00676	1.46860	0.1997575	0.26991305	2.3713016	21	11 19.4	18.7
145698 3471 T–3	15.5	X	275.64599	277.19180	46.04245	3.33747	0.1214664	0.23994396	2.5648551	21	4 17.6	18.9
145699 3499 T–3	16.5	X	223.53173	311.05877	31.76639	4.98747	0.2854504	0.23799718	2.5788229	21	3 14.7	21.2
145700 4139 T–3	15.8	X	182.13816	275.23699	126.50369	4.95591	0.1808980	0.23794686	2.5791864	21	4 22.9	20.1
145701 4269 T–3	16.0	X	211.45519	196.46770	184.61033	15.52830	0.1507796	0.23882726	2.5728440	21	4 23.6	20.2
145702 4274 T–3	16.6	X	14.68759	300.26500	127.12646	3.16379	0.2155546	0.27328483	2.3517566	21	—	—
145703 4389 T–3	15.0	X	277.42688	277.95871	33.48174	27.53334	0.1507935	0.23954146	2.5677274	21	4 8.2	18.8
145704 4537 T–3	16.0	X	284.00158	237.28879	53.19012	6.38754	0.1380975	0.23861582	2.5743637	21	3 16.6	19.7
145705 5149 T–3	16.8	X	233.23581	224.58689	91.24360	6.04202	0.1998821	0.30474389	2.1869862	21	2 12.9	20.3
145706 1981 EE_6	15.6	X	347.19085	322.26868	261.48438	6.77966	0.1425978	0.22164266	2.7041689	21	3 11.4	18.8
145707 1981 EN_{10}	15.0	X	53.92574	296.89643	342.32320	14.28267	0.2755288	0.22849617	2.6498224	21	10 16.9	18.8
145708 1981 EB_{32}	14.9	X	130.20636	305.33032	251.97490	8.23108	0.0244381	0.18048996	3.1009922	21	8 29.4	19.5
145709 Rocknowar	15.1	X	221.96050	66.62830	327.53360	12.99230	0.2095130	0.24122469	2.5557687	21	5 10.3	19.6
145710 1989 SF_3	15.7	X	225.66179	303.06745	52.84168	4.16892	0.3128396	0.23596031	2.5936423	21	3 30.8	20.4
145711 1989 TY_6	16.7	X	198.30927	320.57380	50.09944	6.77500	0.1794475	0.29625705	2.2285562	21	3 25.4	20.2
145712 1991 BQ_1	15.7	X	206.48941	345.44421	119.42960	6.58599	0.2157284	0.24387714	2.5372036	21	7 30.1	19.9
145713 1991 TQ_{15}	16.4	X	136.22338	166.28428	172.11214	3.81595	0.2585506	0.27471655	2.3435785	21	—	—
145714 1992 DK_7	16.1	X	315.32906	331.08063	147.40856	3.82929	0.1993643	0.26205438	2.4184759	21	—	—
145715 1992 DX_{10}	16.5	X	252.02212	181.19009	279.06410	2.17826	0.1108448	0.25399519	2.4693674	21	9 21.8	19.8
145716 1993 FC_{23}	16.2	X	201.55418	258.37586	326.90674	1.74713	0.1376099	0.26611944	2.3937842	21	—	—
145717 1993 FQ_{41}	16.2	X	288.00432	165.48652	356.77165	2.63100	0.1387559	0.20058619	2.8902497	21	—	—
145718 1993 FT_{57}	14.6	X	231.39681	315.18584	218.55174	2.14005	0.1320171	0.12627582	3.9347994	21	11 10.9	20.5
145719 1993 FG_{81}	17.0	X	304.81176	6.92995	125.86319	1.84372	0.1284302	0.26974251	2.3723010	21	—	—
145720 1993 OX_7	15.9	X	230.10341	233.58489	127.48873	6.83014	0.3582654	0.23745615	2.5827385	21	4 8.5	20.8
145721 1993 PG	14.7	X	73.01307	226.59872	301.30530	16.96116	0.0318459	0.16954998	3.2329889	21	5 12.8	19.5
145722 1993 TZ_{46}	17.5	X	317.53368	220.48436	125.06389	2.61444	0.2057546	0.31314905	2.1476754	21	7 6.6	18.7
145723 1993 YT	14.6	X	43.75738	77.11165	88.85319	26.94329	0.2918878	0.22334387	2.6904197	21	5 11.6	17.5
145724 1994 AA_{10}	16.0	X	111.86127	79.52352	334.40156	4.53171	0.1494603	0.22108578	2.7087079	21	2 22.3	19.7
145725 1994 CB_5	16.4	X	92.69111	46.04989	149.03006	4.57568	0.1627107	0.22846149	2.6500905	21	8 4.3	20.0
145726 1994 GF_2	15.8	X	89.29353	41.44945	28.91659	9.48755	0.1474459	0.21554849	2.7549014	21	2 18.3	19.4
145727 1994 PL_{29}	16.3	X	36.16635	294.91389	45.81239	1.95898	0.2070435	0.26113170	2.4241695	21	12 15.3	19.2
145728 1994 RO	16.7	X	323.60954	171.44189	225.71466	1.29614	0.1994989	0.25730400	2.4481519	21	10 14.9	18.3
145729 1994 RS_4	15.6	X	175.80780	57.74874	125.93898	3.49296	0.0323779	0.18329041	3.0693250	21	10 11.4	20.1
145730 1994 UG_{10}	16.6	X	221.15161	313.53303	264.16144	2.71913	0.1319316	0.26318978	2.4115154	21	—	—
145731 1995 AU	15.2	X	256.10448	276.78639	126.97386	7.20929	0.2317653	0.24488819	2.5302153	21	6 26.5	19.0
145732 Kanmon	16.1	X	192.49213	219.98552	221.33466	3.69175	0.1459481	0.23733861	2.5835911	21	6 19.3	20.2
145733 1995 DL_5	17.1	X	191.14300	222.82984	200.36988	1.59966	0.1494624	0.23765656	2.5812863	21	5 25.9	21.3
145734 1995 HT_2	15.9	X	125.66898	250.18201	82.15904	5.16047	0.1055047	0.21212442	2.7844683	21	—	—
145735 1995 OW_7	16.7	X	33.65748	353.01639	270.47736	6.56518	0.1191361	0.30349310	2.1929909	21	8 9.5	18.8
145736 1995 SN_9	16.1	X	352.05496	224.00960	168.96105	3.53850	0.2539371	0.19213810	2.9743613	21	11 30.8	18.9
145737 1995 SN_{11}	16.2	X	180.64527	120.84644	222.64267	0.84928	0.1728998	0.28594975	2.2817929	21	1 31.3	19.6
145738 1995 SW_{21}	16.4	X	328.27697	102.73607	28.60882	4.28907	0.0423238	0.27733996	2.3287762	21	—	—
145739 1995 SX_{27}	15.1	X	277.92794	28.88014	17.53777	15.35857	0.1358092	0.18426355	3.0585090	21	8 14.8	19.5
145740 1995 SZ_{68}	16.1	X	195.72964	301.95173	9.37380	3.34633	0.2013060	0.28503573	2.2866684	21	1 8.0	19.6
145741 1995 SM_{70}	15.8	X	329.94268	175.09402	190.84033	2.65953	0.1844736	0.18863782	3.0110424	21	8 30.5	19.0
145742 1995 SV_{74}	16.8	X	292.02195	13.96467	140.88956	2.68377	0.1067322	0.27566082	2.3382235	21	—	—
145743 1995 SN_{77}	15.7	X	12.23245	158.69284	238.40347	9.00695	0.0587214	0.19808553	2.9145235	21	12 19.3	19.6
145744 1995 UV_{10}	16.9	X	29.62214	193.31518	255.40492	1.61999	0.1467963	0.27784475	2.3259547	21	—	—
145745 1995 UT_{13}	17.0	X	293.63824	210.26290	15.17312	0.55201	0.1450025	0.28328417	2.2960844	21	—	—
145746 1995 UR_{18}	16.9	X	303.33898	292.06601	358.11291	3.30447	0.1393230	0.29325866	2.2437208	21	3 29.5	19.4
145747 1995 UF_{39}	15.9	X	57.83385	106.87767	327.41175	1.16651	0.0745830	0.20255064	2.8715319	21	—	—
145748 1995 UP_{50}	17.0	X	342.07880	1.57283	90.20488	3.17057	0.1509263	0.27065148	2.3669865	21	—	—
145749 1995 UT_{55}	16.8	X	21.44660	182.61998	354.54494	2.81604	0.0928873	0.28759018	2.2731077	21	2 27.9	18.8
145750 1995 VT_{13}	16.9	X	55.90063	183.73440	191.48953	5.82024	0.1359868	0.27288017	2.3540810	21	—	—
145751 1995 YK_6	16.9	X	332.21479	330.19918	210.72056	2.58750	0.1615767	0.27770999	2.3267071	21	—	—
145752 1995 YV_{11}	15.7	X	227.83756	303.73902	170.45366	2.73211	0.0479661	0.17825314	3.1268803	21	9 12.7	20.3
145753 1996 AK_6	15.9	X	93.52320	242.11863	52.06019	3.09592	0.1684530	0.26038608	2.4287951	21	12 13.4	19.5
145754 1996 HF_{26}	16.3	X	196.41685	96.28578	84.84933	2.87124	0.1849214	0.25308333	2.4752953	21	10 28.1	20.1
145755 1996 TC_{37}	17.7	X	184.56088	108.72545	213.21879	1.90240	0.1947004	0.29369826	2.2414814	21	1 8.5	21.0
145756 1996 TZ_{38}	15.9	X	188.49690	225.52207	103.84046	3.59112	0.0580833	0.21667557	2.7453396	21	1 26.4	19.7
145757 1996 VO_{17}	15.4	X	34.85408	338.47577	50.15888	16.10065	0.0819678	0.20199181	2.8768257	21	—	—
145758 1997 CL_7	17.0	X	202.93729	112.53322	318.89707	4.32837	0.1577476	0.30057560	2.2071587	21	6 15.0	20.2
145759 1997 CG_{25}	14.6	X	288.98186	333.06367	331.37971	16.05229	0.0974918	0.17064651	3.2191245	21	4 11.2	19.5
145760 1997 EO_3	15.2	X	144.58532	171.00137	18.13133	2.69998	0.0227950	0.17925281	3.1152440	21	9 10.2	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145761 1997 ES_{24}	15.5	X	280.24394	263.29649	124.30376	10.60710	0.1362641	0.17980500	3.1088626	21	7 16.8	19.7
145762 1997 GC_{12}	17.0	X	317.06763	341.44872	200.88645	1.59804	0.1563821	0.27866292	2.3213997	21	—	—
145763 1997 GS_{14}	16.2	X	347.96380	307.78414	342.82623	5.31376	0.1445737	0.29208230	2.2497412	21	6 19.9	18.0
145764 1997 GD_{31}	15.6	X	137.77108	23.79847	153.26958	1.57713	0.1113135	0.17643415	3.1483351	21	8 22.9	20.5
145765 1997 HR_{3}	16.8	X	73.28671	342.37242	115.04159	3.79588	0.1714634	0.28055013	2.3109776	21	2 13.5	18.8
145766 1997 MX	15.2	X	276.64577	242.62994	131.05393	6.82561	0.2790891	0.24321725	2.5417908	21	6 4.1	19.1
145767 1997 PW	15.1	X	35.06188	121.39168	189.98930	2.55668	0.2708785	0.12690547	3.9217733	21	10 22.9	20.0
145768 Petiška	16.2	X	270.06516	289.21350	28.82319	4.85718	0.1806322	0.23604516	2.5930207	21	3 29.4	20.0
145769 1997 SR_{14}	16.1	X	96.60995	169.43496	230.45666	5.30123	0.1400567	0.22043570	2.7140307	21	1 12.5	19.5
145770 1997 TW_{24}	16.2	X	147.80677	106.03812	275.42367	7.14562	0.2906464	0.22462412	2.6801872	21	3 2.9	20.9
145771 1997 VD_{2}	15.6	X	350.40557	44.02162	339.92442	2.99156	0.1666995	0.24635418	2.5201676	21	11 19.6	18.0
145772 1997 WC_{4}	16.0	X	156.34290	225.54591	227.10319	2.94811	0.0440050	0.23215394	2.6219154	21	5 23.0	19.6
145773 1997 WH_{4}	16.5	X	14.55601	350.67695	220.30617	2.55590	0.0526624	0.22969766	2.6405739	21	4 16.8	19.5
145774 1998 BE_{17}	15.7	X	105.05967	275.38956	130.45530	4.63362	0.1005712	0.21232476	2.7827164	21	1 28.8	19.2
145775 1998 BE_{20}	15.6	X	137.17888	204.38275	299.07306	10.74770	0.1354018	0.22834780	2.6509701	21	7 14.6	19.7
145776 1998 BB_{21}	15.9	X	34.66836	235.13047	299.93152	5.62024	0.0588240	0.22032816	2.7149138	21	3 27.9	19.3
145777 1998 BG_{21}	15.6	X	305.69290	315.03265	298.33635	11.86712	0.1016933	0.21854028	2.7297009	21	2 23.8	19.5
145778 1998 BL_{24}	15.7	X	111.81224	50.76064	319.51830	4.54272	0.2040005	0.21123197	2.7923057	21	1 8.9	19.3
145779 1998 CC	16.5	X	358.13939	185.48104	71.23523	4.00449	0.1507648	0.30618559	2.1801157	21	5 13.6	18.0
145780 1998 DG_{8}	15.7	X	303.53129	282.47698	306.46672	3.27307	0.0133160	0.21252801	2.7809420	21	2 8.4	19.4
145781 1998 FO_{41}	15.3	X	113.54527	300.26316	179.49808	25.97269	0.2075088	0.22035489	2.7146942	21	5 29.5	19.9
145782 1998 FE_{74}	16.0	X	40.44579	54.17833	134.72638	2.91663	0.1660336	0.21694021	2.7431065	21	5 9.6	18.8
145783 1998 KF	15.2	X	46.95994	70.03464	267.57846	3.78628	0.1985804	0.18802630	3.0175674	21	12 9.1	19.4
145784 1998 KY_{3}	15.6	X	166.65774	77.36132	228.30273	22.07978	0.2302897	0.28082271	2.3094819	21	—	—
145785 1998 MO_{33}	15.7	X	104.20869	237.54659	102.60564	7.04037	0.2645234	0.27305491	2.3530765	21	—	—
145786 1998 OT_{11}	16.5	X	40.30522	181.61908	197.42945	1.72070	0.2379451	0.26730409	2.3867063	21	—	—
145787 1998 QH_{4}	16.5	X	26.90542	268.05101	87.07045	3.34952	0.2014842	0.26394647	2.4069042	21	12 21.9	19.4
145788 1998 QZ_{18}	14.9	X	97.47505	336.44904	295.25807	7.38212	0.2594270	0.18046231	3.1013090	21	11 15.4	20.1
145789 1998 QJ_{31}	16.5	X	147.46772	219.90810	97.46034	3.73075	0.2331266	0.27526954	2.3404387	21	—	—
145790 1998 QE_{36}	15.8	X	90.39028	3.09598	315.25076	5.88830	0.1365288	0.26795821	2.3828205	21	—	—
145791 1998 QM_{77}	15.8	X	4.29493	114.94906	289.83360	9.29451	0.2432428	0.26325655	2.4111076	21	—	—
145792 1998 QV_{83}	16.6	X	67.73543	55.53976	266.39475	8.45485	0.2349876	0.26578056	2.3958185	21	12 29.7	20.3
145793 1998 QX_{96}	16.2	X	142.19744	71.24202	224.66813	6.16441	0.1391402	0.27209651	2.3585988	21	—	—
145794 1998 QJ_{109}	16.0	X	80.19513	229.55061	136.38354	5.73082	0.1869290	0.27101914	2.3648453	21	—	—
145795 1998 RA_{16}	15.7	X	70.24540	231.13831	106.56985	3.35205	0.1879794	0.26554000	2.3972652	21	—	—
145796 1998 RM_{22}	16.6	X	44.86221	6.31254	338.59635	4.35169	0.2016273	0.26473612	2.4021157	21	12 31.8	19.9
145797 1998 RB_{23}	16.2	X	3.73672	330.00589	30.14422	3.56909	0.2362027	0.26107637	2.4245120	21	11 25.6	18.2
145798 1998 RA_{30}	16.4	X	140.50066	290.11175	17.91706	2.93139	0.1714444	0.27264848	2.3554144	21	—	—
145799 1998 RE_{51}	16.4	X	165.16240	105.76734	229.93282	3.59096	0.1956035	0.27744974	2.3281619	21	1 9.6	19.8
145800 1998 RY_{59}	16.3	X	101.64427	91.04107	318.83276	4.05699	0.1574224	0.27596425	2.3365092	21	1 23.8	18.8
145801 1998 RF_{80}	15.9	X	19.28170	340.47908	59.41720	6.12603	0.2008268	0.26443237	2.4039549	21	—	—
145802 1998 SC_{9}	15.9	X	50.80672	301.08260	15.63265	6.79670	0.1177985	0.26056255	2.4276983	21	11 17.4	19.0
145803 1998 SW_{12}	14.8	X	157.83373	303.65976	49.96611	32.42508	0.3017905	0.23384098	2.6092897	21	2 27.3	20.0
145804 1998 SX_{41}	17.2	X	17.86470	57.40835	305.37088	0.38534	0.1934899	0.26301190	2.4126026	21	12 17.8	19.8
145805 1998 SC_{42}	16.2	X	0.67060	31.46169	19.48007	6.48663	0.0972631	0.26265390	2.4147943	21	—	—
145806 1998 SA_{77}	14.3	X	318.30344	96.43672	254.25370	5.09120	0.3069096	0.12420402	3.9784351	21	6 28.5	18.9
145807 1998 SU_{77}	16.0	X	1.20168	313.90117	78.03822	3.66050	0.1908012	0.26263772	2.4148935	21	12 30.9	18.4
145808 1998 SQ_{83}	16.4	X	109.31782	326.85765	0.43588	2.91695	0.1871935	0.26981700	2.3718643	21	—	—
145809 1998 SF_{84}	16.6	X	25.48190	288.48091	45.73720	2.02830	0.1949605	0.26057409	2.4276266	21	11 19.5	19.3
145810 1998 SR_{86}	16.1	X	39.71321	27.62312	324.46519	1.99002	0.1976118	0.26356096	2.4092507	21	—	—
145811 1998 ST_{104}	15.9	X	282.20465	122.54485	138.77274	6.78016	0.1327139	0.28280818	2.2986600	21	1 26.5	18.9
145812 1998 SX_{115}	15.0	X	118.65878	163.35049	342.93216	2.61588	0.0474425	0.24594273	2.5229776	21	6 16.3	18.2
145813 1998 SJ_{125}	16.2	X	243.65643	313.21816	35.82862	8.97752	0.1844462	0.24393651	2.5367919	21	4 10.9	20.2
145814 1998 SD_{140}	16.4	X	253.90190	29.87531	352.58663	6.55093	0.2265583	0.24742444	2.5128948	21	5 26.2	20.3
145815 1998 SN_{149}	16.8	X	317.99450	46.17459	353.23840	7.04107	0.2349142	0.25687023	2.4509072	21	9 29.7	18.5
145816 1998 SC_{152}	16.3	X	89.05195	262.71217	40.84722	1.83607	0.1820301	0.26502893	2.4003461	21	12 22.5	19.8
145817 1998 SQ_{161}	15.8	X	231.70746	351.62401	33.20285	4.47961	0.1617090	0.24522705	2.5278840	21	5 14.2	19.8
145818 1998 SF_{170}	16.6	X	34.48160	118.13099	260.93406	6.29579	0.1498446	0.26484136	2.4014793	21	—	—
145819 1998 TB_{2}	16.3	X	334.43340	44.78102	324.28859	2.60198	0.1648777	0.25581483	2.4576436	21	9 25.0	18.2
145820 Valeromeo	16.2	X	15.19471	307.54954	38.13825	3.12366	0.1981392	0.25873858	2.4390943	21	11 18.8	18.7
145821 1998 TK_{12}	16.5	X	310.26318	73.86267	37.77313	4.17733	0.0606063	0.26322020	2.4113296	21	—	—
145822 1998 TW_{18}	16.2	X	315.45044	169.38579	203.55544	4.73459	0.1959223	0.25382032	2.4705015	21	8 14.7	18.4
145823 1998 UH_{1}	16.6	X	286.35937	21.24718	295.07200	18.42813	0.0621876	0.37379532	1.9085936	21	4 2.8	19.3
145824 1998 UP_{34}	15.8	X	217.01354	310.81170	67.25051	6.78832	0.2514915	0.24331295	2.5411243	21	4 21.7	20.2
145825 1998 UE_{42}	17.0	X	225.65700	334.20375	58.31760	3.36004	0.2769061	0.24482710	2.5306362	21	5 12.9	21.5
145826 1998 UP_{45}	17.1	X	324.40219	105.37327	289.92915	0.33988	0.1936712	0.25602089	2.4563247	21	10 13.9	18.7
145827 1998 VA_{7}	16.0	X	335.17404	24.76550	48.31470	9.90882	0.1887824	0.26165760	2.4209202	21	—	—
145828 1998 VS_{25}	16.4	X	345.06428	350.59161	63.90837	2.14554	0.1747096	0.25992459	2.4316691	21	12 30.5	18.6
145829 1998 VC_{42}	16.9	X	324.59558	198.51154	240.86452	1.51090	0.2192932	0.25973653	2.4328427	21	12 27.3	18.5
145830 1998 VY_{56}	16.9	X	324.04096	305.07119	79.12746	2.52959	0.2582585	0.25469918	2.4648151	21	9 20.2	18.4
145831 1998 VB_{57}	15.9	X	327.81809	32.70815	355.88186	10.37179	0.2512841	0.25582591	2.4575726	21	10 5.7	17.3
145832 1998 WG_{31}	16.2	X	169.73633	35.16411	91.99594	22.63585	0.0859285	0.37716795	1.8971989	21	7 31.6	18.6
145833 1998 WY_{37}	13.9	X	36.57572	241.47037	51.43346	3.44471	0.2067644	0.12370025	3.9892293	21	9 24.3	18.8
145834 1998 WH_{39}	17.0	X	265.89138	239.80994	198.91616	2.35070	0.0938772	0.25205506	2.4820228	21	9 14.4	19.9
145835 1998 XW_{23}	16.3	X	59.42722	84.50746	106.19225	2.45813	0.2261742	0.23324892	2.6137033	21	6 23.9	19.3
145836 1998 XE_{63}	15.3	X	307.06993	103.69616	261.42118	13.07560	0.2861736	0.25133619	2.4867533	21	6 30.5	17.9
145837 1998 YZ_{2}	16.5	X	344.31440	194.86117	226.08640	1.78789	0.1885551	0.25859979	2.4399669	21	—	—
145838 1998 YF_{11}	15.8	X	49.55284	76.58663	108.81682	3.36761	0.1346845	0.23078464	2.6322762	21	5 15.9	18.8
145839 1998 YK_{12}	16.3	X	254.00993	121.48969	280.32355	18.65464	0.0825324	0.37465238	1.9056818	21	7 10.5	18.1
145840 1998 YW_{18}	16.2	X	285.47378	251.07521	172.90670	2.25310	0.1631454	0.25234526	2.4801195	21	9 12.4	19.1

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145841 1998 YH_{20}	14.9	X	314.95325	126.35151	321.87016	2.91482	0.2379399	0.12541250	3.9528363	21	11 1.8	19.6
145842 1999 AL_{6}	15.6	X	78.59130	285.23742	129.99131	5.79254	0.1587056	0.22120362	2.7077458	21	1 8.1	18.5
145843 1999 AD_{10}	14.2	X	308.61099	251.68073	223.70690	4.38831	0.2125371	0.12464684	3.9690070	21	11 27.9	18.9
145844 1999 AG_{26}	15.9	X	207.31123	343.12333	100.06015	5.45114	0.2363482	0.24271219	2.5453157	21	7 2.2	20.3
145845 1999 BS_{26}	16.3	X	173.86157	337.56677	120.16669	5.08322	0.1613872	0.23873241	2.5735254	21	6 22.7	20.5
145846 1999 CC_{13}	15.6	X	233.17001	262.99849	185.72489	5.24496	0.1859540	0.24297451	2.5434834	21	8 4.2	19.4
145847 1999 CQ_{13}	15.8	X	36.38967	252.22251	307.17997	6.55919	0.0830669	0.22970203	2.6405405	21	5 4.1	19.1
145848 1999 CP_{36}	15.6	X	146.35729	74.32246	63.04446	5.38309	0.1317441	0.23744696	2.5828051	21	7 16.4	19.5
145849 1999 CE_{43}	16.6	X	154.45448	25.28876	104.87726	2.79494	0.2420573	0.23756775	2.5819296	21	7 18.9	21.0
145850 1999 CA_{66}	15.3	X	39.21100	13.09977	146.47484	13.87495	0.1081947	0.22666642	2.6640636	21	3 21.9	18.3
145851 1999 CS_{69}	16.0	X	111.62424	317.62754	182.41518	12.41540	0.1260235	0.23352983	2.6116069	21	6 10.8	19.9
145852 1999 CN_{93}	15.5	X	72.75749	278.53375	138.98730	12.29113	0.1723264	0.22068238	2.7120078	21	1 3.1	18.6
145853 1999 CX_{97}	15.5	X	28.27790	115.48968	80.60522	6.20737	0.2525376	0.22747129	2.6577757	21	5 1.3	17.4
145854 1999 CS_{98}	15.6	X	214.19246	357.79232	131.89827	13.16866	0.0889758	0.24405032	2.5360032	21	9 21.7	19.3
145855 1999 CV_{105}	15.6	X	209.07919	235.11329	192.35837	4.16626	0.2071776	0.23975766	2.5661836	21	6 15.2	19.8
145856 1999 CY_{114}	16.3	X	191.98093	270.87857	196.78044	4.73682	0.2067418	0.23995317	2.5647895	21	7 20.1	20.7
145857 1999 EY_{2}	15.6	X	353.38416	286.62441	154.46918	21.20538	0.3708545	0.26193409	2.4192163	21	—	—
145858 1999 EM_{8}	16.2	X	356.05157	293.08539	328.34857	0.99033	0.1553972	0.23140057	2.6276031	21	5 23.4	18.8
145859 1999 JH_{135}	15.7	X	265.20642	159.09517	109.41685	7.58124	0.2162296	0.21360440	2.7715917	21	1 23.3	20.3
145860 1999 KO_{3}	15.8	X	150.43396	195.34759	94.74716	3.30655	0.0289878	0.20346992	2.8628762	21	—	—
145861 1999 LF_{1}	14.6	X	289.76974	126.20376	83.32591	34.28757	0.2392300	0.21358562	2.7717542	21	—	—
145862 1999 ML_{2}	16.6	X	203.81031	19.69294	306.65993	6.30031	0.1578899	0.29652451	2.2272159	21	1 29.5	19.8
145863 1999 NT_{15}	15.2	X	282.24820	331.40143	289.41706	7.00886	0.2253918	0.21214619	2.7842777	21	1 27.4	19.5
145864 1999 NE_{41}	14.9	X	288.10741	150.32519	122.29732	28.73128	0.2992248	0.21276727	2.7788568	21	2 9.9	19.5
145865 1999 RC_{4}	16.7	X	316.97393	341.26848	302.00824	4.72420	0.1998673	0.30655547	2.1783618	21	3 24.7	19.3
145866 1999 RL_{55}	15.0	X	349.01239	222.57655	124.95752	2.07154	0.2457300	0.18010779	3.1053773	21	9 14.2	17.6
145867 1999 RJ_{131}	16.4	X	224.89629	136.75729	236.04929	7.18384	0.0930693	0.30289340	2.1958846	21	4 20.4	19.4
145868 1999 RA_{138}	16.9	X	322.63907	350.73702	348.78047	3.92690	0.2028364	0.31140251	2.1556983	21	7 9.5	18.3
145869 1999 RQ_{140}	16.6	X	221.52330	191.58343	127.96755	4.59132	0.1520796	0.29701168	2.2247798	21	2 6.8	19.8
145870 1999 RU_{179}	16.6	X	219.64782	325.48494	61.49745	4.37614	0.1602190	0.30223852	2.1990554	21	5 3.2	19.9
145871 1999 RJ_{186}	16.4	X	170.95533	263.50496	112.30495	5.62894	0.1593370	0.29526098	2.2335654	21	3 4.1	19.6
145872 1999 RB_{214}	15.1	X	231.57379	280.77329	147.38870	1.32274	0.1642417	0.17467788	3.1694028	21	7 9.6	20.1
145873 1999 RA_{219}	16.5	X	4.40130	256.90005	76.91860	3.26539	0.1238804	0.31478822	2.1402133	21	10 14.2	18.1
145874 1999 RY_{236}	17.0	X	307.29642	222.28576	121.90341	5.84968	0.1388290	0.30850367	2.1691812	21	6 26.0	18.9
145875 1999 RV_{249}	15.4	X	201.89169	312.59210	166.83498	1.82157	0.1740007	0.17125842	3.2114520	21	8 12.5	20.7
145876 1999 RF_{259}	16.2	X	98.50240	355.61224	45.27684	6.20640	0.1556056	0.28788976	2.2715305	21	1 1.6	18.4
145877 1999 SP_{11}	16.6	X	163.16634	230.05320	120.02793	3.26275	0.2628113	0.29009482	2.2600050	21	1 30.7	20.0
145878 1999 SS_{14}	14.8	X	358.88709	32.27461	268.64167	16.53770	0.2130907	0.17714264	3.1399349	21	7 24.2	18.2
145879 1999 SW_{21}	15.5	X	305.76327	354.33429	347.04849	4.77011	0.0665105	0.17293320	3.1906840	21	7 2.6	19.9
145880 1999 TE	16.5	X	155.84531	148.64229	230.65221	2.76268	0.2373459	0.29173555	2.2515235	21	2 25.6	19.8
145881 1999 TC_{32}	16.1	X	180.84439	319.47825	10.19513	6.91550	0.1407178	0.28988985	2.2610702	21	1 12.7	19.4
145882 1999 TU_{32}	16.5	X	149.81746	90.96251	350.20251	2.64982	0.1402935	0.29798871	2.2199141	21	5 2.7	19.6
145883 1999 TT_{51}	16.9	X	118.92263	175.65476	217.33373	6.61148	0.1048340	0.28815686	2.2701266	21	1 12.8	19.6
145884 1999 TY_{83}	15.1	X	346.87560	357.21271	331.59170	4.45994	0.1831117	0.17706811	3.1408159	21	8 12.7	18.5
145885 1999 TF_{87}	17.3	X	92.48338	338.31030	77.87555	3.19476	0.1584878	0.28543700	2.2845248	21	1 14.8	19.4
145886 1999 TY_{98}	16.2	X	210.83915	147.20768	166.11324	7.19190	0.2280362	0.29311097	2.2444745	21	1 21.2	20.0
145887 1999 TM_{100}	16.4	X	240.47604	219.55147	129.20778	6.10549	0.1866584	0.30048557	2.2075996	21	4 3.9	19.8
145888 1999 TT_{103}	16.4	X	230.16421	106.27569	223.35566	4.68462	0.2542948	0.29733519	2.2231657	21	2 23.5	20.4
145889 1999 TC_{125}	17.0	X	175.63565	96.53329	300.26828	3.80330	0.2014752	0.29625908	2.2285460	21	4 3.2	20.6
145890 1999 TP_{139}	17.1	X	58.54669	120.83500	336.74753	1.65014	0.1176408	0.28698969	2.2762774	21	1 7.4	18.9
145891 1999 TS_{147}	16.7	X	262.50185	199.22272	147.72664	2.46203	0.1444284	0.30225829	2.1989595	21	4 26.2	19.5
145892 1999 TD_{151}	17.5	X	209.75397	202.67405	178.36754	1.25041	0.1905405	0.29864628	2.2166543	21	4 15.2	21.1
145893 1999 TG_{165}	16.6	X	88.70565	197.34463	279.48186	3.44079	0.0902243	0.29510952	2.2343296	21	3 23.5	19.0
145894 1999 TF_{167}	14.9	X	206.50184	157.43303	323.65989	8.45283	0.0288737	0.17398717	3.1777854	21	8 27.6	19.4
145895 1999 TA_{169}	17.1	X	288.49241	57.95626	227.37051	5.53033	0.1325365	0.29861946	2.2167871	21	3 1.6	20.1
145896 1999 TF_{190}	16.3	X	194.35045	75.13748	327.40514	7.68269	0.2164181	0.29795454	2.2200839	21	4 25.8	20.2
145897 1999 TT_{191}	16.4	X	245.85543	73.26767	284.40036	6.03482	0.1467293	0.30026212	2.2086947	21	4 18.2	19.6
145898 1999 TT_{192}	16.4	X	122.16637	119.99002	320.92663	5.31234	0.1121828	0.29268220	2.2466660	21	3 24.8	19.2
145899 1999 TT_{197}	16.7	X	201.77812	56.86431	287.42322	5.27509	0.2164238	0.29309367	2.2445628	21	2 19.6	20.4
145900 1999 TO_{219}	16.7	X	304.69149	53.81151	275.86221	4.67429	0.1388829	0.30589840	2.1814800	21	5 28.5	18.8
145901 1999 TV_{237}	17.1	X	224.43355	305.04269	136.67384	1.98712	0.1407437	0.30696280	2.1764343	21	7 23.7	20.1
145902 1999 TF_{239}	17.3	X	306.93080	185.10318	134.94097	2.61447	0.2000732	0.30528516	2.1844004	21	5 7.6	19.5
145903 1999 TK_{248}	16.3	X	172.30351	164.58172	180.55070	8.25409	0.2146368	0.28931819	2.2640476	21	1 26.9	19.8
145904 1999 TK_{250}	14.4	X	225.44129	102.27399	356.72340	22.27501	0.0448502	0.17373696	3.1808357	21	8 29.0	19.2
145905 1999 TK_{266}	16.7	X	173.10874	74.23538	290.73321	7.27687	0.1586513	0.29346174	2.2426856	21	2 15.9	19.9
145906 1999 TE_{269}	16.4	X	179.21097	58.60070	311.04556	5.48268	0.1124660	0.29422206	2.2388203	21	2 25.6	19.4
145907 1999 TX_{272}	16.4	X	140.96491	23.11074	337.38171	5.25803	0.2057648	0.28745031	2.2738450	21	1 16.4	19.3
145908 1999 TO_{297}	15.4	X	8.58120	325.72162	358.46535	5.37403	0.1386816	0.17863609	3.1224098	21	9 15.9	18.9
145909 1999 TR_{320}	16.2	X	124.43816	140.42106	320.25162	4.24792	0.1040180	0.29602788	2.2297062	21	4 23.6	19.1
145910 1999 UB	16.3	X	54.90667	100.26621	10.88552	7.38276	0.0858026	0.28764159	2.2728369	21	1 22.4	18.6
145911 1999 UT_{9}	15.7	X	87.40203	100.54750	346.92386	22.99484	0.2682111	0.28742346	2.2739866	21	3 10.6	17.7
145912 1999 UX_{19}	17.4	X	133.85358	255.09365	194.44851	6.06082	0.1144182	0.29837581	2.2179937	21	4 24.3	20.2
145913 1999 US_{24}	16.5	X	331.74340	55.75211	257.96481	4.53050	0.2123661	0.30769064	2.1730007	21	6 11.6	17.9
145914 1999 UE_{25}	17.3	X	159.63414	160.84876	253.44948	5.22089	0.1787716	0.29485354	2.2356226	21	4 9.4	20.6
145915 1999 UP_{38}	16.1	X	115.37221	180.01774	243.81910	7.77907	0.1642925	0.29061753	2.2572943	21	2 26.3	18.9
145916 1999 UK_{47}	16.8	X	57.91010	93.02981	37.78939	5.85294	0.0948670	0.29013903	2.2597754	21	2 26.7	18.9
145917 1999 VT_{34}	16.6	X	116.04731	144.59025	248.23434	4.76569	0.1870074	0.28542433	2.2845924	21	1 22.7	19.2
145918 1999 VC_{77}	17.0	X	48.84067	13.06148	77.11954	4.00374	0.1609120	0.28268507	2.2993273	21	—	—
145919 1999 VF_{104}	16.7	X	47.25313	238.16165	231.97106	5.96422	0.1257806	0.28504691	2.2866085	21	1 3.9	18.8
145920 1999 VW_{129}	16.7	X	293.86184	25.06569	259.93786	2.31746	0.1850724	0.29857407	2.2170117	21	3 2.1	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
145921 1999 VT_{137}	16.5	X	272.13364	263.32539	55.03207	5.04430	0.2006894	0.29755846	2.2220535	21	3 24.9	19.8
145922 1999 VZ_{138}	17.1	X	340.48662	68.88210	81.92989	4.97908	0.1637914	0.28055235	2.3109654	21	—	—
145923 1999 VY_{160}	17.1	X	116.18331	158.98129	244.74725	6.32742	0.0922371	0.28683383	2.2771019	21	1 21.8	19.8
145924 1999 VY_{189}	16.7	X	103.40319	212.13393	216.29447	4.09081	0.1818760	0.28697296	2.2763659	21	2 21.3	19.2
145925 1999 VJ_{201}	17.1	X	206.95171	91.48408	309.69820	5.40779	0.1568669	0.29987538	2.2105933	21	5 7.1	20.4
145926 1999 VP_{216}	16.4	X	336.96145	18.53358	277.18355	3.51652	0.1906518	0.30589851	2.1814795	21	5 26.0	17.7
145927 1999 VW_{228}	16.9	X	112.28389	103.03392	317.89083	5.14114	0.1419344	0.28967519	2.2621870	21	2 17.9	19.3
145928 1999 WX_{11}	16.8	X	89.75332	269.56432	82.97663	3.08402	0.2298553	0.27838619	2.3229378	21	—	—
145929 1999 WJ_{12}	16.8	X	106.71101	144.88509	236.72245	3.03601	0.1129042	0.28199438	2.3030803	21	—	—
145930 1999 WK_{12}	17.0	X	7.39907	283.72931	103.32080	1.91096	0.2244680	0.27108596	2.3644567	21	—	—
145931 1999 XO_{5}	16.8	X	111.60243	0.46941	68.75746	1.97920	0.1376415	0.28868725	2.2673452	21	3 1.9	19.3
145932 1999 XQ_{16}	15.9	X	125.21698	321.69261	79.01621	10.50194	0.1768913	0.28693029	2.2765915	21	2 19.1	18.9
145933 1999 XG_{17}	16.0	X	62.56815	200.36213	276.46068	22.04074	0.2088076	0.28360931	2.2943292	21	2 10.4	18.3
145934 1999 XT_{41}	16.1	X	129.78252	132.35107	253.14519	6.08403	0.1142477	0.28715436	2.2754071	21	1 19.7	18.8
145935 1999 XN_{43}	16.9	X	135.26798	113.07876	254.19507	5.18221	0.1905980	0.28624610	2.2802178	21	1 14.6	19.8
145936 1999 XK_{46}	17.4	X	179.11632	143.21320	277.18432	0.80269	0.1433428	0.29648707	2.2274034	21	5 6.8	20.5
145937 1999 XS_{47}	16.9	X	95.27662	214.27402	263.32411	0.95278	0.1349842	0.29144811	2.2530036	21	4 13.9	19.4
145938 1999 XW_{51}	16.2	X	246.07777	278.71421	51.21983	3.99701	0.2138273	0.29601402	2.2297758	21	3 14.1	19.8
145939 1999 XF_{61}	16.3	X	133.46620	289.58088	97.72127	4.89710	0.1657478	0.28690156	2.2767435	21	2 6.5	19.1
145940 1999 XR_{62}	16.4	X	71.72137	343.49752	91.33209	4.35355	0.0874835	0.28383098	2.2931345	21	—	—
145941 1999 XB_{81}	16.1	X	68.66675	258.82331	238.36645	5.77117	0.0983823	0.28924476	2.2644308	21	3 21.9	18.4
145942 1999 XC_{82}	16.8	X	121.48663	73.94134	258.11607	1.89991	0.1808630	0.27904771	2.3192652	21	—	—
145943 1999 XG_{89}	16.1	X	95.83847	312.78655	96.31019	7.43527	0.1238877	0.28182761	2.3039888	21	1 5.8	18.5
145944 1999 XR_{125}	16.2	X	88.52156	126.06895	292.82190	4.93623	0.1475880	0.28464582	2.2887561	21	1 9.8	18.1
145945 1999 XF_{127}	15.3	X	328.20526	160.86321	223.03527	25.30732	0.2750324	0.26763976	2.3847103	21	9 25.6	17.2
145946 1999 XL_{151}	16.3	X	229.42443	314.46524	309.00011	2.29306	0.2105716	0.27649303	2.3335293	21	—	—
145947 1999 XZ_{177}	16.1	X	347.36538	151.56167	333.16446	3.74518	0.1275293	0.27527377	2.3404148	21	—	—
145948 1999 XV_{190}	16.3	X	52.69646	137.65982	333.35611	4.57083	0.1580541	0.28356193	2.2945848	21	1 19.4	17.9
145949 1999 XD_{191}	16.5	X	92.08510	45.80605	32.05220	7.06453	0.1456152	0.28543015	2.2845613	21	2 16.4	18.9
145950 1999 XZ_{198}	16.6	X	111.71025	54.70316	15.54666	5.76915	0.1428997	0.28752528	2.2734498	21	3 5.5	19.2
145951 1999 XL_{200}	15.8	X	188.27581	350.78049	4.47178	6.42905	0.1328422	0.28845405	2.2685671	21	2 22.0	19.1
145952 1999 XL_{201}	16.0	X	97.58162	66.94399	333.16882	5.83500	0.1381996	0.28151671	2.3056848	21	—	—
145953 1999 XN_{217}	15.8	X	63.55454	309.78397	100.14680	5.46034	0.1371713	0.27713695	2.3299133	21	—	—
145954 1999 XW_{217}	16.1	X	290.28143	236.79308	291.54480	1.48579	0.1395592	0.27239634	2.3568677	21	—	—
145955 1999 XE_{227}	17.0	X	40.47407	27.89324	323.63885	0.38579	0.2063782	0.26791686	2.3830657	21	—	—
145956 1999 XJ_{234}	16.3	X	137.55788	289.26098	119.23143	7.11529	0.2088367	0.29040031	2.2584198	21	3 18.6	19.5
145957 1999 XK_{245}	16.3	X	109.18856	279.76138	121.48507	5.73354	0.1572958	0.28599355	2.2815600	21	1 20.4	18.6
145958 1999 XB_{248}	16.7	X	134.54770	298.41311	100.77807	6.19701	0.1560275	0.28794937	2.2712170	21	2 23.4	19.6
145959 1999 XL_{248}	16.8	X	122.64217	276.55423	109.43071	8.19586	0.2072986	0.28538753	2.2847888	21	1 27.9	19.4
145960 1999 XV_{255}	14.5	X	224.53446	188.33694	315.49567	1.90654	0.1294010	0.12514552	3.9584562	21	9 30.8	20.5
145961 1999 XC_{265}	16.9	X	85.40596	186.80519	100.74976	4.27195	0.1185271	0.26862521	2.3788746	21	11 24.7	20.1
145962 Lacchini	15.6	X	82.53310	79.62686	116.55613	24.84079	0.3255818	0.29096400	2.2555020	21	8 21.2	19.1
145963 1999 YC_{7}	15.8	X	339.00707	245.76743	321.85957	20.75897	0.2882885	0.28191194	2.3035293	21	1 6.6	18.9
145964 1999 YY_{7}	16.2	X	58.39856	287.18180	263.09736	7.07893	0.0645280	0.29451945	2.2373129	21	5 22.1	18.5
145965 1999 YM_{8}	17.2	X	258.64834	61.01033	91.81964	2.28489	0.1256841	0.26658034	2.3910242	21	12 13.4	19.7
145966 1999 YM_{16}	16.8	X	22.63859	191.42975	280.60902	8.88058	0.1032886	0.27936464	2.3175107	21	—	—
145967 2000 AZ_{28}	16.5	X	48.11538	157.38237	316.63285	6.70856	0.0598096	0.28199796	2.3030608	21	1 14.6	19.0
145968 2000 AM_{31}	16.2	X	64.21797	330.92599	90.81890	3.92251	0.2143385	0.27900368	2.3195092	21	—	—
145969 2000 AP_{32}	16.8	X	67.41700	99.79236	335.34850	1.92277	0.1847986	0.28039357	2.3118378	21	—	—
145970 2000 AA_{34}	16.3	X	12.28532	27.94561	63.09320	3.50116	0.1862144	0.27465813	2.3439108	21	—	—
145971 2000 AG_{38}	16.3	X	18.20007	105.06864	57.04541	4.71802	0.1082375	0.28282030	2.2985943	21	1 31.9	18.5
145972 2000 AH_{39}	15.8	X	8.33831	330.68968	85.00205	7.56458	0.0933326	0.26945860	2.3739670	21	—	—
145973 2000 AR_{43}	17.4	X	317.92157	257.66488	212.92933	0.51153	0.1420686	0.26891998	2.3771358	21	—	—
145974 2000 AK_{55}	16.1	X	44.16733	291.20933	110.74896	5.91745	0.2190079	0.27421095	2.3464583	21	—	—
145975 2000 AF_{57}	16.0	X	43.20344	58.00762	323.28287	5.32455	0.1320964	0.27021268	2.3695483	21	—	—
145976 2000 AR_{65}	15.5	X	54.23490	52.72410	340.82291	8.86958	0.2518094	0.27377729	2.3489356	21	—	—
145977 2000 AS_{85}	16.7	X	108.59873	171.79573	264.05560	5.26717	0.1465098	0.28542156	2.2846072	21	3 4.7	19.5
145978 2000 AT_{92}	15.5	X	285.86866	115.53421	87.99433	23.28239	0.2027945	0.27287319	2.3541211	21	—	—
145979 2000 AO_{112}	16.8	X	30.10945	229.92149	262.52326	5.42050	0.1534847	0.28127845	2.3069866	21	1 3.8	18.8
145980 2000 AZ_{152}	15.7	X	63.85309	228.99984	300.03123	20.97115	0.2550440	0.28627132	2.2800839	21	6 1.4	18.3
145981 2000 AF_{159}	16.6	X	308.03890	150.63311	1.16072	4.24902	0.1472942	0.27251147	2.3562038	21	—	—
145982 2000 AG_{161}	16.2	X	35.57475	88.24604	337.19084	6.78901	0.2441680	0.27547927	2.3392507	21	—	—
145983 2000 AH_{162}	16.4	X	310.22814	166.50156	322.25356	3.34882	0.1084328	0.26945570	2.3739841	21	—	—
145984 2000 AG_{214}	16.9	X	114.94925	288.68414	133.81849	5.04575	0.2043577	0.28477242	2.2880777	21	3 8.9	19.6
145985 2000 AJ_{215}	16.2	X	326.09477	225.56032	282.74065	1.87030	0.1029854	0.27478841	2.3431699	21	—	—
145986 2000 AF_{225}	17.0	X	32.09083	95.08040	338.95296	1.95557	0.1818039	0.27571695	2.3379062	21	—	—
145987 2000 AN_{228}	16.5	X	107.78188	286.07260	126.56691	5.80678	0.1466367	0.28170706	2.3046460	21	2 2.9	19.0
145988 2000 BC_{4}	16.2	X	116.38605	252.06788	127.73172	4.58308	0.1351748	0.28003794	2.3137946	21	—	—
145989 2000 BL_{15}	16.6	X	259.33697	48.43841	110.82669	9.27320	0.1338132	0.26619943	2.3933046	21	12 22.3	19.1
145990 2000 BE_{21}	16.6	X	173.48895	110.83953	303.91003	4.12046	0.1811910	0.29095131	2.2555676	21	4 23.9	20.2
145991 2000 BA_{34}	16.1	X	314.46245	132.07775	336.06806	5.63492	0.1325843	0.26786792	2.3833560	21	—	—
145992 2000 CY_{9}	16.7	X	358.02086	316.12892	133.82520	2.99410	0.1750134	0.27289459	2.3539981	21	—	—
145993 2000 CA_{10}	17.0	X	354.42025	237.31456	282.90781	3.82428	0.1758512	0.27857032	2.3219141	21	—	—
145994 2000 CL_{12}	16.6	X	78.69789	199.24378	262.07553	4.66331	0.1110807	0.28343889	2.2952488	21	2 17.0	18.9
145995 2000 CQ_{17}	16.7	X	19.55897	187.33941	266.77364	1.86047	0.1444875	0.27511517	2.3413142	21	—	—
145996 2000 CU_{20}	16.1	X	21.88920	278.73405	149.46613	2.10506	0.1206604	0.27204178	2.3589151	21	—	—
145997 2000 CE_{22}	17.1	X	322.25493	309.62612	225.79368	1.49905	0.1467401	0.27507894	2.3415197	21	—	—
145998 2000 CE_{23}	16.3	X	326.49641	261.89502	274.43849	5.81200	0.0658167	0.27617920	2.3352967	21	—	—
145999 2000 CV_{30}	17.0	X	19.93714	230.99444	165.85546	1.15841	0.1815471	0.26918762	2.3755599	21	—	—
146000 2000 CZ_{40}	15.4	X	24.87373	356.92771	158.82246	25.93709	0.1840759	0.27958261	2.3163061	21	1 26.1	17.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146001 2000 CK_{42}	16.7	X	24.51217	208.00986	224.00012	2.31018	0.1654213	0.27316602	2.3524384	21	—	—
146002 2000 CT_{42}	16.1	X	200.41193	4.05860	212.76332	6.03726	0.0632632	0.26510047	2.3999142	21	12 29.1	19.4
146003 2000 CT_{52}	16.2	X	341.94328	222.93088	251.90586	1.51745	0.1559077	0.27062277	2.3671539	21	—	—
146004 2000 CN_{55}	16.5	X	348.33749	290.06760	161.83456	4.48507	0.1393695	0.27053790	2.3676489	21	—	—
146005 2000 CE_{56}	16.5	X	353.42920	136.06632	322.93830	1.63919	0.1918384	0.27159794	2.3614843	21	—	—
146006 2000 CR_{64}	16.4	X	0.03988	104.64745	58.83114	2.77447	0.0959323	0.27917852	2.3185407	21	1 4.2	19.0
146007 2000 CA_{67}	16.4	X	299.81983	320.76179	240.29087	4.01932	0.1716703	0.27350522	2.3504930	21	—	—
146008 2000 CY_{74}	16.9	X	59.98838	85.98783	349.36955	2.18381	0.1742232	0.27805180	2.3247999	21	—	—
146009 2000 CR_{76}	16.4	X	220.57274	82.98845	104.73172	2.18654	0.1377284	0.26220897	2.4175252	21	12 6.1	19.6
146010 2000 CN_{78}	16.7	X	130.30208	243.36963	126.74393	4.98064	0.1660715	0.28006849	2.3136263	21	1 10.5	19.4
146011 2000 CM_{84}	16.5	X	55.79563	321.40776	133.88498	2.92162	0.1832171	0.27875513	2.3208878	21	1 2.5	18.1
146012 2000 CK_{89}	15.3	X	216.99591	15.02516	34.08870	4.32030	0.0702348	0.24515050	2.5284102	21	6 5.5	18.8
146013 2000 CO_{98}	17.3	X	359.33853	253.81713	151.33911	3.51975	0.1592689	0.26638462	2.3921952	21	—	—
146014 2000 CD_{104}	13.5	X	269.35742	320.41402	168.93110	9.04723	0.1953382	0.12524766	3.9563038	21	10 25.7	19.1
146015 2000 CV_{111}	16.1	X	54.81351	75.64653	81.15057	9.42504	0.2385430	0.28222226	2.3018404	21	4 24.9	17.9
146016 2000 CS_{115}	16.7	X	280.79115	294.94919	255.22988	1.73477	0.1456377	0.27140361	2.3626114	21	—	—
146017 2000 CX_{120}	16.6	X	46.47246	69.70509	320.26812	2.72212	0.1239767	0.27141042	2.3625719	21	—	—
146018 2000 CB_{121}	16.6	X	313.99281	319.11939	226.00942	1.38975	0.1283191	0.27576517	2.3376336	21	—	—
146019 2000 CM_{138}	17.0	X	239.51130	83.32160	115.44265	1.69570	0.1526618	0.26792955	2.3829904	21	—	—
146020 2000 CA_{144}	17.0	X	147.46405	261.69467	123.80157	6.83193	0.1735881	0.28449664	2.2895561	21	2 22.2	20.2
146021 2000 DB_4	16.3	X	268.76523	105.17352	105.48441	5.61728	0.1456390	0.27127868	2.3633368	21	—	—
146022 2000 DF_5	16.3	X	191.40044	140.17786	71.36996	3.31482	0.1479639	0.26145768	2.4221542	21	12 3.0	19.7
146023 2000 DX_{25}	16.0	X	83.04673	41.72318	1.70000	1.91230	0.2088251	0.27693791	2.3310295	21	—	—
146024 2000 DS_{26}	16.6	X	47.99306	311.69887	146.41863	4.05771	0.0858455	0.27728413	2.3290887	21	—	—
146025 2000 DY_{29}	16.9	X	310.70647	310.79877	187.44048	0.99567	0.1190595	0.26924958	2.3751955	21	—	—
146026 2000 DJ_{40}	15.7	X	299.73458	317.81464	327.60141	7.51178	0.2292745	0.28285837	2.2983881	21	3 5.5	19.0
146027 2000 DC_{60}	16.9	X	283.88241	359.78441	160.85190	1.26365	0.1314805	0.26728972	2.3867918	21	—	—
146028 2000 DG_{64}	16.9	X	358.84796	275.34411	232.12943	1.74174	0.1078005	0.27515178	2.3411065	21	—	—
146029 2000 DK_{65}	16.4	X	171.51496	193.66883	12.80840	2.15218	0.1469418	0.25759954	2.4462790	21	11 6.4	20.2
146030 2000 DM_{66}	17.2	X	359.26294	83.75655	346.53024	3.09793	0.2379744	0.26878687	2.3779206	21	—	—
146031 2000 DL_{70}	16.6	X	180.53299	53.82310	147.36233	2.51560	0.1303210	0.25774542	2.4453559	21	11 10.8	20.3
146032 2000 DV_{71}	16.8	X	88.85378	108.40234	351.86361	1.81443	0.1811905	0.28226747	2.3015946	21	3 18.8	18.9
146033 2000 DS_{83}	16.3	X	341.46980	29.96605	64.31797	5.05123	0.0974317	0.26881337	2.3777643	21	—	—
146034 2000 DT_{87}	16.4	X	284.69275	348.34877	107.64923	5.86385	0.1743270	0.26178419	2.4201397	21	10 30.7	18.9
146035 2000 DG_{88}	13.8	X	251.64496	159.46843	354.41798	8.13798	0.1380647	0.12409521	3.9807604	21	11 5.6	19.6
146036 2000 DF_{89}	16.5	X	76.19564	328.94352	342.04047	2.01608	0.1551014	0.26043624	2.4284832	21	12 15.9	20.0
146037 2000 DF_{93}	16.2	X	221.89390	231.27176	27.64562	6.54239	0.0619269	0.27335287	2.3513663	21	—	—
146038 2000 DY_{104}	16.4	X	279.34003	331.02617	111.40707	7.17611	0.0886575	0.25797120	2.4439289	21	10 15.9	19.3
146039 2000 DA_{108}	16.1	X	220.31372	88.07839	104.36016	3.37393	0.1302542	0.26342826	2.4100597	21	12 13.1	19.1
146040 Alicebowman	16.9	X	313.18354	176.95130	334.04720	2.18160	0.0853133	0.27162490	2.3613280	21	—	—
146041 2000 EN_2	17.0	X	23.47870	152.91298	268.55047	1.52201	0.1877943	0.26993018	2.3712013	21	—	—
146042 2000 ET_4	16.2	X	36.61328	333.79169	1.16930	0.87088	0.2004929	0.25947513	2.4344763	21	12 6.9	19.2
146043 2000 ET_7	16.5	X	338.25951	284.46458	141.16587	5.09397	0.1842154	0.26491622	2.4010268	21	—	—
146044 2000 EB_{10}	16.6	X	256.68238	342.19246	185.76831	2.38433	0.1220068	0.26415006	2.4056674	21	12 30.9	19.4
146045 2000 ET_{11}	14.6	X	309.99135	325.26862	5.13326	13.36496	0.0424010	0.24783846	2.5100955	21	6 26.5	18.0
146046 2000 ES_{13}	16.4	X	221.04414	84.98433	118.65073	3.39624	0.1349515	0.26381568	2.4076997	21	12 27.7	19.6
146047 2000 EC_{17}	16.6	X	356.34093	200.80710	336.31665	2.08907	0.1441830	0.27727978	2.3291131	21	1 10.9	19.0
146048 2000 EX_{17}	16.4	X	342.45083	108.61232	53.89210	6.54492	0.1899208	0.27516081	2.3410552	21	—	—
146049 2000 EK_{30}	14.5	X	265.30164	315.91059	8.16714	14.51801	0.1912657	0.23866606	2.5740023	21	3 29.6	18.3
146050 2000 ED_{44}	16.3	X	330.06071	250.27646	325.50531	6.42514	0.0865983	0.27855205	2.3220157	21	2 3.2	19.1
146051 2000 EU_{82}	15.9	X	233.75976	80.71773	110.66795	7.15948	0.1675793	0.26345980	2.4098674	21	12 23.0	18.8
146052 2000 ES_{86}	16.0	X	290.95443	165.83261	333.78676	10.87588	0.1650121	0.26577337	2.3958616	21	—	—
146053 2000 EO_{96}	15.8	X	245.48300	104.95510	50.55636	7.07298	0.0901795	0.26024398	2.4296791	21	12 1.4	18.9
146054 2000 EB_{101}	15.4	X	215.19020	332.79374	8.18334	9.20363	0.1925203	0.23149726	2.6268714	21	3 8.7	19.7
146055 2000 EO_{114}	16.8	X	233.62693	160.42348	21.61098	2.26818	0.1449498	0.26293478	2.4130743	21	12 13.5	19.7
146056 2000 EP_{123}	16.6	X	294.93705	11.42769	129.15937	3.16607	0.1294938	0.26662215	2.3907742	21	—	—
146057 2000 EM_{137}	15.9	X	317.23349	97.43914	55.60433	9.08830	0.1802595	0.26909555	2.3761018	21	—	—
146058 2000 EA_{171}	14.6	X	297.94625	299.77622	28.99326	14.46231	0.2130875	0.24190559	2.5509705	21	5 6.4	17.9
146059 2000 ER_{181}	15.9	X	340.81747	177.03868	72.08274	9.93218	0.1205854	0.23818231	2.5774864	21	4 14.3	18.9
146060 2000 EH_{196}	16.2	X	331.33617	357.77912	323.20464	3.47716	0.0627982	0.24602229	2.5224336	21	7 13.9	19.2
146061 2000 FG_7	16.7	X	315.77871	273.36149	10.30723	0.16268	0.1772776	0.23532014	2.5983440	21	4 9.0	19.7
146062 2000 FU_{22}	16.4	X	279.30825	44.98326	58.15864	2.91509	0.1793612	0.25907234	2.4369990	21	10 27.9	18.9
146063 2000 FU_{50}	16.2	X	226.32887	61.89928	206.36317	1.80913	0.0695309	0.22344273	2.6896260	21	—	—
146064 2000 FC_{58}	16.3	X	186.90162	131.18310	112.65808	4.93909	0.1120484	0.26201368	2.4187263	21	—	—
146065 2000 FW_{60}	16.0	X	357.75614	178.42820	72.99639	13.13976	0.1312131	0.23790640	2.5794788	21	5 15.2	18.7
146066 2000 FO_{63}	15.6	X	270.25882	187.73420	32.61726	12.17125	0.1133472	0.22379268	2.6868214	21	—	—
146067 2000 GQ_{35}	16.5	X	262.35676	225.28641	329.53733	1.55508	0.1369432	0.26534725	2.3984260	21	—	—
146068 2000 GE_{64}	16.8	X	227.65237	81.81469	81.18292	1.84706	0.1672711	0.25829887	2.4418616	21	11 8.1	20.2
146069 2000 GL_{85}	15.8	X	36.18920	181.92802	71.88631	14.87751	0.2299089	0.24100219	2.5573415	21	8 23.7	18.8
146070 2000 GA_{87}	16.0	X	267.26625	34.73545	128.84557	5.74616	0.2595020	0.26426288	2.4049826	21	12 20.4	18.4
146071 2000 GQ_{90}	15.5	X	252.99255	217.61199	45.45718	13.93051	0.1140042	0.22441784	2.6818293	21	1 12.3	19.8
146072 2000 GR_{90}	16.0	X	25.99674	159.98171	79.24372	5.55515	0.2708181	0.23798306	2.5789249	21	7 7.6	17.8
146073 2000 GT_{94}	15.5	X	33.75050	179.35733	69.65312	18.95726	0.1500820	0.24048936	2.5609758	21	7 24.7	18.6
146074 2000 GV_{111}	16.2	X	87.28303	262.04811	308.83528	3.97903	0.1068820	0.24467497	2.5316851	21	8 11.8	19.6
146075 2000 GC_{116}	16.5	X	313.70276	25.96613	92.78258	5.92335	0.1869821	0.26548275	2.3976098	21	—	—
146076 2000 GR_{158}	16.6	X	290.48569	268.17404	300.12063	1.88610	0.0783604	0.27127239	2.3633733	21	—	—
146077 2000 GZ_{158}	16.8	X	17.60907	351.47575	229.98281	3.51365	0.1174717	0.23671097	2.5881561	21	5 6.5	19.2
146078 2000 GT_{169}	16.3	X	278.81239	159.89577	295.26301	1.80720	0.1598416	0.25735519	2.4478272	21	10 16.8	18.9
146079 2000 GW_{176}	16.4	X	49.71164	107.94102	340.37137	3.16500	0.0844297	0.27380610	2.3487708	21	—	—
146080 2000 HV_3	16.0	X	349.87924	298.77070	36.62107	3.81547	0.1198531	0.24634680	2.5202179	21	9 6.5	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146081 2000 HU_{14}	16.1	X	282.93797	86.50080	74.47783	8.61959	0.1335677	0.26507485	2.4000689	21	—	—
146082 2000 HX_{29}	15.7	X	89.88474	289.53132	271.21623	2.72646	0.2089650	0.24285809	2.5442962	21	8 14.7	19.3
146083 2000 HH_{43}	16.4	X	255.94798	332.91701	175.88603	2.61345	0.1269421	0.25842624	2.4410592	21	12 2.2	19.1
146084 2000 HG_{62}	16.7	X	281.16936	334.32333	223.94753	1.80627	0.1485816	0.26657632	2.3910482	21	—	—
146085 2000 HE_{73}	16.7	X	74.55048	29.40103	184.34472	6.65733	0.1518408	0.24232146	2.5480511	21	8 4.2	20.0
146086 2000 JH_{4}	16.2	X	205.24147	159.27840	214.50130	2.79268	0.1696455	0.23132327	2.6281885	21	4 6.6	20.3
146087 2000 JS_{13}	16.5	X	195.42286	15.95216	190.70183	2.40405	0.1534218	0.25639406	2.4539408	21	11 30.1	20.2
146088 2000 JO_{33}	15.9	X	233.02975	171.29362	23.96193	2.56756	0.1369257	0.25938720	2.4350265	21	12 30.9	19.1
146089 2000 KY_{5}	15.4	X	353.02943	186.99375	70.32898	14.85517	0.0781811	0.23496150	2.6009874	21	5 18.4	18.3
146090 2000 KS_{19}	16.4	X	61.58900	26.48554	260.14802	1.96607	0.0996829	0.24606754	2.5221244	21	10 18.4	19.7
146091 2000 KN_{35}	15.9	X	302.44716	178.90245	102.58967	10.08672	0.1116485	0.22968624	2.6406615	21	4 4.1	19.6
146092 2000 KY_{39}	16.6	X	44.90300	160.57432	42.83015	3.75553	0.1194958	0.23669874	2.5882452	21	5 30.2	19.4
146093 2000 KA_{43}	16.0	X	137.16333	7.44246	116.88023	5.14676	0.1586665	0.23857980	2.5746228	21	6 21.2	20.0
146094 2000 KD_{83}	16.3	X	201.32985	76.16194	120.10064	4.12416	0.1478099	0.25613629	2.4555869	21	11 24.3	19.8
146095 2000 OR_{12}	15.5	X	22.63998	355.64019	298.01474	12.76499	0.1638355	0.23748114	2.5825573	21	9 1.5	18.5
146096 2000 OY_{15}	15.7	X	294.67468	197.65093	149.85965	3.09276	0.3587868	0.18316676	3.0707063	21	5 13.1	20.2
146097 2000 PK_{7}	14.9	X	302.99428	228.33202	157.11961	11.61518	0.2021720	0.18524595	3.0476861	21	8 4.7	18.6
146098 2000 PX_{7}	14.9	X	141.46948	83.12930	330.58307	12.46287	0.1580585	0.21470716	2.7620934	21	3 24.2	19.3
146099 2000 PX_{25}	14.2	X	266.51610	80.98704	316.82896	17.54676	0.2397037	0.17951129	3.1122528	21	7 1.9	19.1
146100 2000 PM_{26}	14.7	X	2.55752	114.58917	266.64525	12.11778	0.2116421	0.19064626	2.9898577	21	11 29.8	18.0
146101 2000 QR_{5}	14.0	X	246.47024	75.81353	281.66842	23.48383	0.2540347	0.17497840	3.1657729	21	4 12.8	19.8
146102 2000 QB_{9}	15.2	X	165.88462	26.45501	320.09584	7.12324	0.2276979	0.21153289	2.7896568	21	2 5.2	19.7
146103 2000 QK_{28}	15.2	X	59.60740	159.08695	148.99256	5.32803	0.2397353	0.24144811	2.5541918	21	12 2.8	18.9
146104 2000 QP_{44}	15.0	X	267.51062	256.09634	141.74676	10.69128	0.1326032	0.18358976	3.0659878	21	7 14.1	19.5
146105 2000 QW_{72}	15.3	X	327.29784	180.84152	170.35221	6.93820	0.1826977	0.18594275	3.0400674	21	8 3.5	18.8
146106 2000 QP_{81}	15.4	X	290.94194	189.95490	170.10660	3.76340	0.1760436	0.18203413	3.0834305	21	6 19.5	19.6
146107 2000 QL_{88}	14.9	X	294.16569	119.74583	304.34609	10.04203	0.0514328	0.19044772	2.9919353	21	9 28.8	19.1
146108 2000 QK_{105}	16.0	X	148.34570	44.05380	13.41424	19.39488	0.0985762	0.35733590	1.9667611	21	3 22.0	18.1
146109 2000 QH_{108}	15.6	X	306.42764	8.00456	33.12015	1.59701	0.2076333	0.18585026	3.0410760	21	9 2.2	19.2
146110 2000 QH_{152}	14.0	X	227.36656	55.94694	347.68155	25.61082	0.2127891	0.17523218	3.1627156	21	5 26.8	19.7
146111 2000 QV_{160}	15.4	X	47.60708	194.80098	192.22871	8.88886	0.2380244	0.20023518	2.8936264	21	—	—
146112 2000 QW_{176}	14.9	X	210.38112	203.15251	325.27854	12.89091	0.0857003	0.24169810	2.5524303	21	10 27.1	18.8
146113 2000 QQ_{179}	15.1	X	268.21993	296.31261	68.75832	2.63533	0.1674429	0.17862127	3.1225825	21	5 30.2	19.7
146114 2000 QU_{208}	14.6	X	217.39920	74.73473	11.43769	22.72840	0.1671812	0.17833152	3.1259641	21	7 26.3	20.0
146115 2000 QC_{215}	15.1	X	331.22124	223.67006	140.54777	6.09519	0.1061476	0.18640541	3.0350350	21	9 6.9	18.7
146116 2000 QY_{228}	15.9	X	255.72372	273.54765	9.31627	3.68646	0.2793571	0.21692102	2.7432683	21	1 28.8	20.7
146117 2000 QB_{251}	15.3	X	333.22054	169.68540	109.27364	16.46275	0.1216605	0.22740724	2.6582747	21	5 16.8	18.7
146118 2000 RZ_{2}	14.7	X	344.04665	49.19906	2.79720	11.12329	0.1195736	0.19180033	2.9778523	21	11 27.3	18.4
146119 2000 RC_{15}	14.9	X	323.40340	119.15340	277.71864	8.21938	0.1664239	0.18875043	3.0098447	21	9 27.6	18.4
146120 2000 RM_{18}	15.3	X	160.07106	40.67126	303.83733	7.02743	0.1404147	0.20953324	2.8073772	21	1 22.2	19.6
146121 2000 RR_{18}	14.9	X	348.07617	38.73501	295.40465	8.20157	0.1489009	0.18609986	3.0383562	21	8 20.9	18.4
146122 2000 RA_{23}	15.5	X	340.57468	124.49018	210.90244	3.36599	0.2462189	0.18529463	3.0471523	21	8 3.3	18.5
146123 2000 RZ_{28}	15.0	X	227.13349	123.31109	289.75694	8.85581	0.2337075	0.17640165	3.1487217	21	6 12.3	20.4
146124 2000 RN_{29}	14.3	X	278.24699	352.78088	327.93760	17.16639	0.2422225	0.17665837	3.1456705	21	3 30.5	19.4
146125 2000 RM_{39}	15.3	X	86.64115	15.32778	273.82855	8.28757	0.0257660	0.19353226	2.9600597	21	11 2.5	19.5
146126 2000 RL_{80}	15.3	X	352.85080	76.15998	285.46174	5.67049	0.0925019	0.18945881	3.0023375	21	10 4.9	19.0
146127 2000 RD_{82}	15.0	X	40.86380	76.01197	248.80320	9.00681	0.1709834	0.19260061	2.9695976	21	11 11.8	19.0
146128 2000 RQ_{82}	15.4	X	314.82162	171.01159	218.16661	6.90989	0.1458690	0.18586646	3.0408993	21	9 5.3	19.1
146129 2000 RO_{92}	15.1	X	285.81820	76.82773	286.66836	8.79507	0.2525410	0.17872159	3.1214139	21	6 5.7	19.5
146130 2000 RG_{93}	15.5	X	100.50550	70.24217	292.17601	5.70725	0.0913793	0.20395163	2.8583666	21	—	—
146131 2000 RK_{97}	15.0	X	301.75999	96.33227	284.29913	13.50735	0.3316609	0.18351711	3.0667968	21	7 6.8	18.7
146132 2000 RP_{101}	14.1	X	248.94779	104.37200	338.43379	25.93116	0.2000902	0.18068579	3.0987512	21	8 16.6	18.9
146133 2000 RD_{105}	15.3	X	330.12600	67.50177	297.53072	12.36243	0.2559899	0.18439899	3.0570112	21	8 18.4	18.3
146134 2000 SE_{1}	16.0	X	170.69899	315.44629	289.66575	28.49372	0.2706644	0.39056558	1.8535604	21	—	—
146135 2000 SM_{1}	15.9	X	225.46671	37.97391	292.34363	17.03925	0.0583109	0.35630956	1.9705361	21	2 9.2	18.4
146136 2000 SS_{27}	15.3	X	14.65882	80.36995	248.32664	9.09834	0.1185820	0.18806844	3.0171167	21	9 27.0	19.1
146137 2000 SG_{28}	14.7	X	271.04618	159.78387	261.17506	9.87506	0.0699907	0.18327902	3.0694522	21	8 22.2	19.2
146138 2000 SL_{30}	15.2	X	291.15594	225.38281	175.52563	10.14208	0.0885883	0.18500021	3.0503843	21	8 24.2	19.2
146139 2000 SL_{33}	15.5	X	330.20226	46.12613	24.38562	12.56703	0.2106236	0.19165345	2.9793735	21	11 27.6	18.6
146140 2000 SE_{48}	15.2	X	262.91933	17.37775	301.33131	12.91457	0.1347124	0.22137350	2.7063604	21	3 20.9	19.5
146141 2000 SC_{52}	15.4	X	31.95996	68.00458	249.39327	10.11810	0.1549137	0.18953254	3.0015589	21	10 15.3	19.3
146142 2000 SJ_{52}	15.5	X	229.23658	130.66604	200.82822	13.06962	0.1223068	0.17046956	3.2213518	21	3 14.1	20.7
146143 2000 SF_{58}	15.7	X	330.92422	0.68035	2.72917	1.54984	0.1793684	0.18565790	3.0431762	21	8 30.2	19.0
146144 2000 SY_{60}	15.5	X	295.04661	184.89735	175.01201	5.92969	0.1874310	0.18109118	3.0941250	21	6 23.0	19.8
146145 2000 SQ_{63}	15.0	X	305.44818	168.12502	193.80913	9.55846	0.0967152	0.18183157	3.0857201	21	7 21.5	19.2
146146 2000 SU_{91}	14.8	X	312.54039	114.98806	291.80139	10.43290	0.1303198	0.18876990	3.0096377	21	9 23.9	18.6
146147 2000 SD_{93}	15.0	X	330.63133	83.26834	279.26172	8.86224	0.0999443	0.18619092	3.0373655	21	8 29.3	18.9
146148 2000 SN_{132}	13.9	X	212.53202	145.49019	315.94922	16.75476	0.1090207	0.17961966	3.1110009	21	8 5.6	18.5
146149 2000 SG_{134}	15.0	X	305.77704	130.37386	252.20390	8.40509	0.1084290	0.18371578	3.0645855	21	8 16.2	19.1
146150 2000 SS_{138}	15.2	X	11.19683	89.51073	302.65120	9.06401	0.1127317	0.19269489	2.9686289	21	12 17.1	19.0
146151 2000 SD_{142}	15.1	X	354.24812	116.06117	297.27189	8.71839	0.0769006	0.19247462	2.9708934	21	12 15.3	18.9
146152 2000 SU_{147}	14.7	X	248.95708	347.27697	13.97327	13.31125	0.1031506	0.17325818	3.1866930	21	5 8.4	19.6
146153 2000 SZ_{147}	15.0	X	226.09892	68.91149	17.50952	16.02379	0.2068010	0.17713225	3.1400576	21	7 29.1	20.4
146154 2000 SQ_{150}	14.7	X	347.37790	115.30452	211.83230	9.47313	0.0767072	0.18125155	3.0922996	21	8 10.1	18.8
146155 2000 SH_{151}	15.1	X	292.68675	148.84445	199.69903	16.87142	0.2317241	0.17848302	3.1241948	21	5 30.4	19.7
146156 2000 SG_{158}	14.3	X	173.67817	183.38906	279.64835	14.37143	0.2097158	0.17250802	3.1959246	21	6 30.2	19.7
146157 2000 SE_{168}	15.5	X	197.18065	20.81522	296.80629	7.31934	0.1428892	0.20936092	2.8089174	21	1 24.8	20.1
146158 2000 SF_{169}	14.4	X	235.02740	165.02475	250.67508	8.14289	0.2138375	0.17598972	3.1536333	21	6 23.4	19.6
146159 2000 SC_{177}	14.6	X	270.10318	76.68594	306.71027	4.58915	0.1832326	0.17749012	3.1358354	21	6 22.5	19.3
146160 2000 SA_{183}	15.2	X	278.02822	116.51912	0.48716	3.40753	0.1926991	0.19062564	2.9900733	21	10 28.6	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146161 2000 SS_{186}	15.1	X	263.35565	130.60529	292.17727	3.84178	0.1757749	0.18142069	3.0903773	21	8 3.9	19.7
146162 2000 SS_{188}	14.8	X	250.24842	5.95793	17.58510	11.57518	0.0980354	0.17483877	3.1674582	21	6 9.0	19.7
146163 2000 ST_{204}	15.2	X	231.86548	39.79412	43.41182	2.65816	0.1508509	0.17896691	3.1185609	21	7 30.7	20.0
146164 2000 SK_{224}	15.2	X	149.37205	222.69783	62.47756	3.14897	0.1273728	0.19901155	2.9054754	21	—	—
146165 2000 SM_{227}	15.0	X	236.13476	259.94462	152.53726	8.70882	0.1485936	0.17524238	3.1625929	21	6 26.4	20.0
146166 2000 SG_{266}	14.7	X	222.94649	42.13019	56.18315	9.40905	0.0997666	0.17905367	3.1175534	21	8 17.0	19.5
146167 2000 SY_{266}	14.4	X	259.92117	136.49560	247.75105	21.55318	0.0366693	0.17806002	3.1291408	21	6 28.3	19.0
146168 2000 SM_{267}	15.5	X	306.44721	287.72618	98.61419	2.36577	0.1989971	0.18280962	3.0747042	21	8 13.9	19.3
146169 2000 SW_{274}	14.3	X	220.45820	53.37457	43.11514	16.47714	0.1723081	0.17657689	3.1466382	21	8 8.4	19.6
146170 2000 SK_{275}	15.0	X	253.66046	303.26621	50.51103	14.55747	0.2240679	0.17286504	3.1915227	21	4 28.1	20.1
146171 2000 SS_{282}	15.8	X	317.94725	76.16084	279.40407	9.29183	0.2587801	0.18344576	3.0675920	21	7 12.1	19.2
146172 2000 SB_{283}	15.2	X	323.68162	122.79907	267.92587	8.20680	0.1031972	0.18698382	3.0287728	21	9 24.5	19.1
146173 2000 SP_{284}	15.1	X	268.39879	144.67445	278.86517	8.11336	0.1733130	0.18128625	3.0919050	21	8 9.3	19.6
146174 2000 SW_{295}	15.0	X	318.93166	98.81952	310.38892	5.16329	0.2965489	0.18314902	3.0709046	21	9 21.8	18.0
146175 2000 SJ_{300}	15.0	X	331.03310	330.89537	354.40960	9.49304	0.0707194	0.18018026	3.1045446	21	7 19.9	19.1
146176 2000 SM_{302}	15.0	X	210.83990	173.80019	230.75691	14.24803	0.0432768	0.17561727	3.1580904	21	5 28.5	19.6
146177 2000 SN_{305}	14.9	X	271.32777	131.55508	253.98662	7.14668	0.2485715	0.17859561	3.1228817	21	6 17.9	19.5
146178 2000 SZ_{305}	15.2	X	279.49192	100.07950	283.30888	9.31718	0.1212847	0.17991276	3.1076212	21	7 12.5	19.5
146179 2000 SY_{309}	14.1	X	175.23718	213.76963	269.61830	19.68198	0.0197509	0.17763840	3.1340902	21	7 20.7	18.8
146180 2000 SY_{312}	14.4	X	221.28045	102.32230	302.22233	13.88896	0.2228578	0.17377430	3.1803801	21	5 27.6	19.9
146181 2000 SX_{316}	14.8	X	272.30445	161.05803	268.64501	13.52983	0.1020728	0.18517894	3.0484213	21	8 28.1	19.3
146182 2000 SC_{325}	15.7	X	182.40252	192.62502	48.47982	2.81759	0.0665582	0.19658106	2.9293747	21	12 25.2	20.0
146183 2000 SK_{327}	15.3	X	228.40983	261.38712	150.54815	13.89815	0.3053614	0.17547473	3.1598005	21	6 9.7	21.1
146184 2000 SX_{333}	15.6	X	250.09595	265.23922	123.14921	10.74011	0.2396269	0.17792936	3.1306725	21	6 3.7	20.8
146185 2000 SD_{338}	14.8	X	281.24158	237.30569	142.88409	23.09446	0.0974065	0.18086000	3.0967610	21	7 14.8	19.4
146186 2000 SC_{347}	14.3	X	254.44127	100.18208	267.59554	25.76563	0.0881140	0.17622854	3.1507834	21	5 28.5	19.1
146187 2000 SE_{365}	15.8	X	242.01268	213.00474	67.47879	5.00042	0.0659829	0.21254159	2.7808235	21	1 26.3	19.9
146188 2000 TD_{1}	16.7	X	46.44833	151.32508	19.81527	20.27049	0.0579119	0.35833884	1.9630896	21	3 27.4	18.2
146189 2000 TN_{6}	15.1	X	121.22242	3.56005	188.51313	9.34824	0.0395689	0.18193306	3.0845724	21	8 15.3	19.6
146190 2000 TC_{25}	15.3	X	326.50583	359.55047	350.45117	3.95916	0.1780812	0.18303711	3.0721562	21	8 3.2	18.8
146191 2000 TE_{33}	15.5	X	93.93206	237.50016	287.92966	17.53142	0.0772136	0.36197972	1.9499040	21	6 11.0	17.5
146192 2000 TK_{43}	14.7	X	320.77523	234.92038	138.10624	10.94792	0.0549533	0.18482396	3.0523233	21	9 6.6	18.7
146193 2000 TO_{45}	15.0	X	315.71436	234.09347	93.94093	8.26621	0.1854571	0.18108310	3.0942170	21	6 12.6	18.8
146194 2000 TO_{51}	14.6	X	251.24580	2.83475	46.61520	24.43122	0.2083892	0.17743746	3.1364559	21	6 30.0	19.9
146195 2000 TY_{52}	15.8	X	155.06849	341.45715	356.80229	1.62315	0.0624981	0.20508626	2.8478144	21	1 2.4	19.9
146196 2000 TJ_{55}	15.8	X	248.53192	63.39453	28.87079	0.96086	0.1351274	0.18132933	3.0914152	21	8 30.2	20.3
146197 2000 TT_{61}	15.1	X	258.66212	290.60243	119.84324	11.19746	0.0799792	0.18002558	3.1063227	21	7 27.4	19.4
146198 2000 TT_{68}	15.0	X	26.63921	190.81610	302.62377	10.70144	0.0542984	0.21430562	2.7655426	21	1 24.5	18.5
146199 2000 UZ_{9}	14.3	X	191.71783	24.65210	67.66138	7.39483	0.1697315	0.17133048	3.2105514	21	7 2.5	19.6
146200 2000 UY_{12}	15.1	X	233.93003	207.77816	226.73706	12.43624	0.1144947	0.17752186	3.1354616	21	7 21.2	20.1
146201 2000 UX_{18}	14.8	X	253.76126	88.69084	260.19494	14.78291	0.1948322	0.17187585	3.2037563	21	4 19.3	20.1
146202 2000 UO_{34}	14.9	X	260.12889	142.65071	239.87498	4.34298	0.1948570	0.17629326	3.1500123	21	6 9.1	19.7
146203 2000 UW_{56}	14.9	X	326.44885	2.62448	327.07394	9.62749	0.0684730	0.17989249	3.1078546	21	7 18.2	19.0
146204 2000 UJ_{57}	15.2	X	234.38372	96.68392	5.95303	17.75563	0.2266705	0.17925556	3.1152121	21	8 24.9	20.4
146205 2000 UW_{62}	14.7	X	357.04778	89.27392	243.60954	10.69784	0.1379705	0.18317698	3.0705921	21	9 1.6	18.6
146206 2000 UT_{65}	15.5	X	292.42211	102.87783	244.32713	5.75113	0.2270044	0.17832771	3.1260086	21	5 28.1	19.7
146207 2000 UH_{71}	15.0	X	222.12960	150.30134	251.32505	5.02178	0.1673097	0.17225612	3.1990396	21	5 29.3	20.1
146208 2000 UW_{72}	14.9	X	244.17002	86.52977	296.07426	4.03149	0.0627336	0.17267435	3.1938719	21	6 6.5	19.5
146209 2000 US_{82}	15.4	X	269.14543	343.70895	95.97465	2.44540	0.1486250	0.18247362	3.0784775	21	9 7.1	19.6
146210 2000 UV_{94}	15.3	X	77.49731	64.66816	264.03278	8.87714	0.0617085	0.19198899	2.9759011	21	12 16.3	19.5
146211 2000 UV_{97}	14.6	X	221.30648	158.22990	245.45200	15.70555	0.1540473	0.17190757	3.2033622	21	5 31.9	19.7
146212 2000 UB_{105}	15.0	X	278.06566	355.26887	60.22867	9.86677	0.2044706	0.18212474	3.0824077	21	8 12.9	19.4
146213 2000 UD_{107}	15.0	X	280.70316	311.06350	79.59391	12.49757	0.1786199	0.17902730	3.1178595	21	7 15.9	19.4
146214 2000 VQ_{34}	15.5	X	30.75467	242.94550	145.07870	4.73658	0.1854204	0.19192924	2.9765187	21	—	—
146215 2000 VV_{36}	14.2	X	283.96120	159.86535	248.74861	16.79101	0.2634316	0.17729948	3.1380828	21	7 24.2	18.9
146216 2000 VS_{49}	14.6	X	225.75244	41.63137	55.67688	5.75002	0.1380613	0.17467978	3.1693798	21	8 13.3	19.6
146217 2000 VX_{50}	14.9	X	329.52239	96.54107	239.14065	9.25231	0.0998819	0.17970032	3.1100699	21	7 23.5	19.0
146218 2000 VN_{52}	14.6	X	148.06568	268.46588	242.24374	15.16118	0.1424518	0.17312775	3.1882933	21	7 28.2	19.9
146219 2000 VU_{52}	15.6	X	238.40526	94.12310	314.11979	3.79239	0.1785650	0.17439006	3.1728891	21	6 20.7	20.6
146220 2000 VB_{58}	15.3	X	294.27770	116.79875	269.09162	8.23599	0.0891970	0.17877870	3.1207492	21	8 7.2	19.5
146221 2000 VH_{58}	15.5	X	241.30865	119.40223	304.46915	4.31865	0.2115835	0.17490517	3.1666565	21	7 9.8	20.5
146222 2000 WX_{3}	14.5	X	165.79428	220.91721	268.30121	17.05329	0.2063345	0.17302955	3.1894994	21	7 21.3	20.1
146223 2000 WL_{4}	15.1	X	55.15867	59.52496	289.66769	8.85074	0.1094743	0.19204396	2.9753332	21	12 21.6	19.4
146224 2000 WD_{38}	15.1	X	271.52009	346.16678	91.61519	11.46297	0.0489238	0.18056704	3.1001097	21	9 27.2	19.6
146225 2000 WG_{47}	14.3	X	199.27378	1.08252	76.77492	23.77436	0.0545400	0.17131597	3.2107327	21	6 23.8	19.2
146226 2000 WZ_{70}	14.5	X	205.13493	91.74379	320.51081	6.74168	0.0814010	0.17079846	3.2172150	21	5 28.7	19.5
146227 2000 WA_{71}	14.8	X	189.71941	48.82379	18.54373	10.87916	0.0683492	0.17051114	3.2208280	21	5 30.1	19.8
146228 2000 WL_{76}	15.0	X	197.29533	68.35715	49.57639	16.50418	0.1244449	0.17494917	3.1661255	21	8 16.1	20.3
146229 2000 WM_{84}	15.0	X	166.09359	85.18374	24.34688	4.94570	0.1140971	0.16995542	3.2278452	21	6 29.7	20.1
146230 2000 WN_{95}	14.6	X	223.72474	257.59482	261.00220	12.47563	0.3040559	0.18145430	3.0899956	21	10 2.8	20.2
146231 2000 WX_{101}	14.5	X	151.51931	290.80939	198.42134	17.80367	0.1571715	0.17088028	3.2161880	21	7 8.5	20.0
146232 2000 WJ_{125}	15.0	X	247.85417	35.27991	12.10880	17.70021	0.2388891	0.17635716	3.1492513	21	6 22.5	20.4
146233 2000 WG_{137}	14.6	X	132.64765	306.45477	240.31892	9.61571	0.0263081	0.17795565	3.1303641	21	8 18.8	19.3
146234 2000 WF_{143}	14.9	X	302.93004	241.09938	131.40757	17.15000	0.2517470	0.17932198	3.1144429	21	7 11.1	18.9
146235 2000 WA_{145}	15.2	X	278.75839	308.18170	125.21697	19.34746	0.2308240	0.18041224	3.1018828	21	9 1.1	19.6
146236 2000 WV_{148}	15.1	X	289.46787	292.55016	85.80199	17.51375	0.2507968	0.17862888	3.1224939	21	6 29.3	19.4
146237 2000 WP_{154}	14.3	X	188.78886	241.49169	257.15651	21.10469	0.1746538	0.17608694	3.1524723	21	8 14.6	19.9
146238 2000 WZ_{154}	15.0	X	330.76908	73.96821	339.12184	7.07747	0.1822887	0.18630974	3.0360739	21	11 3.7	18.3
146239 2000 WN_{171}	15.1	X	211.34669	330.47462	129.27606	12.60480	0.2573002	0.17459094	3.1704549	21	7 24.0	20.7
146240 2000 WS_{180}	14.9	X	297.54665	253.70608	102.28985	14.31184	0.3279587	0.18068630	3.0987454	21	6 2.0	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146241 2000 WV_{191}	15.0	X	321.33501	280.85219	121.64269	9.94782	0.1392835	0.18488135	3.0516916	21	10 12.9	18.7
146242 2000 XQ_{2}	14.2	X	228.08295	143.17241	282.65621	15.84217	0.0999107	0.17526760	3.1622894	21	7 8.6	18.9
146243 2000 XA_{3}	15.0	X	289.27037	17.54511	352.24206	10.33124	0.2340850	0.17805569	3.1291915	21	6 21.1	19.5
146244 2000 XO_{3}	14.6	X	242.57081	110.00229	262.40957	22.07223	0.2052420	0.17211875	3.2007414	21	5 8.2	20.0
146245 2000 XV_{18}	14.5	X	270.27911	88.57362	304.28688	12.75455	0.0785328	0.17506987	3.1646701	21	7 20.1	18.9
146246 2000 XX_{19}	15.3	X	268.99153	36.36425	7.39810	10.04299	0.2353681	0.17649841	3.1475709	21	7 11.9	20.2
146247 2000 XU_{23}	14.6	X	217.47240	118.25218	18.89883	17.01597	0.1312289	0.17996235	3.1070503	21	9 25.2	19.4
146248 2000 XW_{35}	14.5	X	172.60938	210.29121	281.27249	21.56810	0.2206902	0.17192288	3.2031720	21	7 28.3	20.1
146249 2000 YN_{6}	14.7	X	317.43604	50.38967	299.91811	12.76079	0.2458022	0.17655252	3.1469277	21	7 7.4	18.2
146250 2000 YZ_{11}	14.2	X	239.34594	298.20693	132.94461	27.20365	0.2380429	0.17411500	3.1762299	21	7 14.9	19.6
146251 2000 YO_{42}	14.5	X	241.50461	35.83974	138.79614	4.93549	0.2733376	0.18307356	3.0717483	21	11 15.1	19.2
146252 2000 YS_{48}	15.0	X	249.55855	305.87957	121.94188	6.22955	0.1864620	0.17257204	3.1951341	21	7 25.1	19.7
146253 2000 YB_{50}	14.5	X	128.84219	243.31589	291.02185	12.88320	0.1416238	0.16795597	3.2534121	21	8 9.5	19.7
146254 2000 YT_{50}	17.0	X	65.00300	71.94873	70.54211	4.00533	0.1133910	0.30122272	2.2039965	21	3 28.7	18.9
146255 2000 YA_{63}	14.3	X	206.65051	94.95747	117.19988	18.74443	0.2050697	0.18139476	3.0906718	21	12 5.8	19.5
146256 2000 YE_{81}	15.4	X	239.77290	285.27003	133.49736	2.67479	0.1933621	0.17345557	3.1842748	21	7 3.4	20.5
146257 2000 YM_{135}	14.8	X	208.77288	97.54360	22.10829	13.77435	0.2279283	0.17173353	3.2055261	21	8 22.3	20.4
146258 2001 AO_{22}	15.3	X	181.51400	181.55711	227.62396	1.71470	0.2359379	0.16354854	3.3116030	21	5 4.2	21.1
146259 2001 BL_{7}	16.8	X	27.12560	209.55931	69.01826	3.02569	0.0885039	0.31297225	2.1484842	21	8 22.6	18.8
146260 2001 BX_{8}	14.9	X	121.39944	95.79725	114.90106	6.61678	0.1000933	0.17106691	3.2138483	21	9 17.6	19.8
146261 2001 BA_{10}	14.5	X	147.21155	106.78781	82.03604	26.92400	0.1780618	0.17699784	3.1416471	21	10 3.2	20.3
146262 2001 BU_{39}	16.4	X	89.79155	139.73306	342.00318	7.32340	0.0465017	0.29652195	2.2272287	21	3 25.4	19.0
146263 2001 BG_{62}	14.3	X	196.53674	29.81875	154.50299	17.86013	0.0940049	0.17611929	3.1520863	21	11 2.7	19.4
146264 2001 BM_{74}	14.8	X	209.55055	29.18761	149.47294	5.89092	0.1214058	0.17712733	3.1401158	21	11 4.2	19.6
146265 2001 BC_{78}	14.4	X	165.65458	67.63074	151.08703	17.20303	0.1316705	0.17770483	3.1333090	21	11 12.1	19.7
146266 2001 CY	14.3	X	123.46212	269.95908	331.27775	8.80856	0.1843400	0.17295753	3.1903848	21	10 25.1	19.6
146267 2001 CO_{26}	15.4	X	228.72007	11.20692	25.57621	8.04930	0.1610818	0.30586711	2.1816288	21	5 23.1	18.7
146268 Jennipolakis	17.2	X	238.66965	80.98663	166.36063	3.32833	0.1490009	0.28211541	2.3024215	21	—	—
146269 2001 DY_{36}	14.6	X	268.80526	271.58328	148.57076	22.10782	0.0471499	0.17037819	3.2225034	21	8 26.0	19.0
146270 2001 DT_{50}	16.1	X	259.22831	169.95114	58.43941	7.24674	0.0597394	0.28674837	2.2775543	21	—	—
146271 2001 DQ_{75}	15.2	X	212.75098	158.42867	303.29379	3.99211	0.1076602	0.16883624	3.2420940	21	8 5.2	20.0
146272 2001 EY_{5}	15.7	X	183.24754	263.60085	27.59993	7.14663	0.1533150	0.28094885	2.3087906	21	—	—
146273 2001 ES_{22}	16.1	X	219.32262	300.47052	23.89052	5.03725	0.2023648	0.28961602	2.2624952	21	2 13.7	19.8
146274 2001 FF_{6}	16.8	X	283.86715	89.25368	147.95130	4.27072	0.1821480	0.28752691	2.2734412	21	—	—
146275 2001 FK_{12}	15.6	X	156.83752	246.34689	42.07847	3.89157	0.1688170	0.27524598	2.3405723	21	—	—
146276 2001 FG_{40}	16.4	X	124.79996	283.56494	350.49810	1.02871	0.1702769	0.26969018	2.3726078	21	12 18.7	20.2
146277 2001 FJ_{49}	15.2	X	135.96066	2.78185	329.02518	5.84151	0.2248317	0.27748697	2.3279536	21	—	—
146278 2001 FG_{63}	16.4	X	258.80147	118.64442	137.44729	6.47751	0.1416768	0.28589840	2.2820662	21	—	—
146279 2001 FT_{68}	16.5	X	113.70654	155.41536	90.49600	3.58656	0.1477756	0.26452403	2.4033995	21	11 3.4	20.0
146280 2001 FW_{69}	17.0	X	325.57681	87.01984	123.99017	4.73993	0.1215011	0.28924806	2.2644135	21	1 12.7	19.7
146281 2001 FO_{75}	16.3	X	311.18529	80.34463	161.99349	6.26356	0.0338199	0.29258776	2.2471494	21	2 17.8	18.8
146282 2001 FV_{99}	16.0	X	184.53272	219.11286	104.82682	7.49023	0.1269307	0.28365378	2.2940893	21	1 7.7	19.1
146283 2001 FQ_{110}	16.0	X	41.51066	11.52045	344.18884	4.92906	0.1300726	0.27160444	2.3614467	21	—	—
146284 2001 FC_{126}	16.9	X	85.58765	131.85063	189.42317	3.62388	0.2068338	0.26977403	2.3721162	21	—	—
146285 2001 FZ_{145}	15.8	X	161.43915	66.31471	220.11254	12.89149	0.2242565	0.27549462	2.3391638	21	—	—
146286 2001 FR_{155}	16.5	X	125.62225	175.38630	78.88251	3.31427	0.1740337	0.26849051	2.3796701	21	11 25.5	20.2
146287 2001 FS_{180}	16.5	X	161.57296	168.97327	103.14183	3.01193	0.2209857	0.27175469	2.3605762	21	—	—
146288 2001 GC	15.9	X	89.72508	198.76993	91.35331	16.05927	0.2518236	0.26370668	2.4083631	21	12 12.4	19.8
146289 2001 GH_{1}	15.3	X	214.91422	188.03316	91.60050	22.58181	0.1974907	0.28319011	2.2965928	21	—	—
146290 2001 HE_{9}	16.5	X	304.46254	191.64280	74.99125	5.37880	0.1345756	0.29025472	2.2591749	21	3 2.7	19.3
146291 2001 HT_{12}	16.4	X	55.56971	62.48138	115.13445	1.99088	0.1462047	0.29626806	2.2285010	21	5 10.0	18.2
146292 2001 HZ_{13}	16.1	X	128.25100	95.86520	260.33066	4.78589	0.1579167	0.27896643	2.3197156	21	—	—
146293 2001 HC_{22}	16.3	X	147.53593	72.84016	206.29475	6.25877	0.1137047	0.27083646	2.3659086	21	—	—
146294 2001 HP_{30}	16.7	X	45.44216	341.99216	103.96317	7.33920	0.0650772	0.28034147	2.3121242	21	—	—
146295 2001 HA_{43}	17.1	X	226.38751	173.10166	67.26920	1.87111	0.1873472	0.27729387	2.3290342	21	—	—
146296 2001 HW_{52}	16.4	X	158.85542	189.07464	77.63773	3.37612	0.1858177	0.26989450	2.3714103	21	—	—
146297 2001 HY_{52}	16.2	X	178.01905	208.58619	64.54168	7.09032	0.1217203	0.27380866	2.3487561	21	—	—
146298 2001 HR_{65}	16.6	X	211.48088	237.74416	17.24194	2.41353	0.1359351	0.27616468	2.3353786	21	—	—
146299 2001 JR	15.8	X	123.38639	149.58430	114.74159	6.91429	0.1545440	0.26569197	2.3963510	21	12 5.6	19.5
146300 2001 JM_{5}	16.1	X	107.24447	212.09329	78.70556	4.41426	0.1819490	0.26539570	2.3981341	21	12 23.3	19.8
146301 2001 KN	16.4	X	122.67002	127.96979	203.73822	1.63230	0.2544068	0.27073676	2.3664894	21	—	—
146302 2001 KK_{3}	16.4	X	178.35179	175.26180	48.79789	2.18649	0.1373224	0.26811108	2.3819147	21	12 7.2	19.9
146303 2001 KY_{5}	16.8	X	264.04702	185.76036	65.71806	7.31075	0.1535715	0.28238375	2.3009627	21	—	—
146304 2001 KT_{15}	16.9	X	22.72669	90.53803	152.37100	2.95458	0.1686834	0.29733664	2.2231585	21	6 20.3	18.3
146305 2001 KC_{19}	15.8	X	172.63176	221.20877	81.21066	7.15052	0.1267329	0.27810008	2.3245308	21	—	—
146306 2001 KM_{19}	16.3	X	118.41440	259.63306	71.18749	3.38460	0.2267491	0.26955867	2.3733795	21	—	—
146307 2001 KK_{21}	16.2	X	352.70311	336.54123	207.56331	24.75162	0.1527430	0.28572824	2.2829721	21	1 5.5	19.5
146308 2001 KJ_{28}	15.7	X	261.47063	245.40377	92.80276	6.39048	0.3010868	0.24057365	2.5603776	21	4 6.3	20.1
146309 2001 KD_{30}	15.9	X	324.51118	306.46570	62.38301	10.04408	0.0956235	0.25628104	2.4546622	21	9 15.8	18.7
146310 2001 KC_{37}	15.6	X	75.18529	199.00173	88.29016	8.18759	0.1146955	0.25975187	2.4327469	21	11 12.4	18.9
146311 2001 KS_{37}	16.5	X	194.50493	200.59385	95.52863	7.42949	0.1372180	0.27754742	2.3276156	21	—	—
146312 2001 KU_{51}	15.8	X	67.21483	273.00913	86.18644	6.52033	0.1082407	0.26987127	2.3715463	21	—	—
146313 2001 KM_{52}	16.7	X	33.60053	321.48574	241.54839	7.56252	0.1376735	0.29603777	2.2296565	21	5 2.5	18.4
146314 2001 KO_{54}	16.6	X	202.41697	133.07876	110.06784	5.19845	0.2095221	0.27386575	2.3484297	21	—	—
146315 2001 KG_{57}	14.8	X	331.64389	169.79281	128.00220	27.04727	0.1718166	0.24305116	2.5429486	21	6 4.9	18.2
146316 2001 KK_{60}	16.4	X	347.21756	91.26399	98.58295	7.25028	0.0620450	0.28840832	2.2688069	21	1 24.9	19.0
146317 2001 KT_{61}	16.3	X	172.48193	166.12251	98.02660	3.59269	0.1720051	0.27169182	2.3609403	21	—	—
146318 2001 LE_{1}	15.7	X	181.59092	165.59385	88.97624	13.37032	0.1830854	0.26990000	2.3713780	21	—	—
146319 2001 LN_{3}	16.0	X	181.22759	169.27190	84.13326	3.62947	0.1479256	0.26985851	2.3716211	21	—	—
146320 2001 LZ_{5}	16.5	X	227.23882	183.08910	125.10695	7.63247	0.1578634	0.28213247	2.3023287	21	1 30.9	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146321 2001 LA_6	15.4	X	21.15192	237.49778	135.68891	12.19353	0.2477067	0.26146272	2.4221230	21	—	—
146322 2001 LM_{17}	15.3	X	273.33623	199.63106	124.24520	15.58247	0.1682472	0.23683923	2.5872216	21	4 16.7	19.4
146323 2001 LX_{18}	14.6	X	238.90154	66.83573	265.29416	11.81818	0.2139950	0.23210580	2.6222779	21	3 8.8	19.2
146324 2001 LY_{18}	15.1	X	280.51434	100.68608	254.12033	11.47358	0.1641037	0.24048423	2.5610122	21	5 29.3	18.5
146325 2001 MB_{28}	16.4	X	151.67007	9.09981	239.00981	3.56354	0.2710804	0.26387495	2.4073391	21	12 8.1	20.7
146326 2001 NL_3	15.4	X	100.46545	267.24674	126.01412	13.36864	0.2118607	0.22081224	2.7109445	21	1 21.3	18.7
146327 2001 NM_4	16.5	X	221.27653	91.73156	109.79522	2.95335	0.1039269	0.26555758	2.3971594	21	12 30.1	19.6
146328 2001 NV_6	16.4	X	65.76353	230.55223	104.52837	7.16738	0.1903551	0.25947049	2.4345054	21	—	—
146329 2001 NJ_8	16.3	X	204.98240	277.44171	282.98580	4.69733	0.0773413	0.26265143	2.4148095	21	12 11.5	19.6
146330 2001 NK_{17}	16.5	X	188.35879	175.59798	71.15567	10.39100	0.1799375	0.26731719	2.3866283	21	—	—
146331 2001 NO_{20}	15.9	X	239.52505	100.81823	274.68183	12.77153	0.1111888	0.23655284	2.5893093	21	5 13.5	19.9
146332 2001 OL	15.4	X	251.42233	50.77009	350.52205	2.71111	0.2307791	0.24216863	2.5491230	21	6 18.5	19.3
146333 2001 OE_1	15.9	X	271.73151	100.06713	234.33399	2.13348	0.2631313	0.23750067	2.5824157	21	4 10.2	19.9
146334 2001 OL_{10}	16.4	X	298.75688	142.07201	110.57713	6.95232	0.0966795	0.28273030	2.2990821	21	2 9.6	19.3
146335 2001 OK_{11}	15.9	X	104.34868	269.11498	79.02337	5.83052	0.1687550	0.21637932	2.7478449	21	—	—
146336 2001 OK_{13}	16.0	X	309.70233	243.09432	102.50151	3.52092	0.3336946	0.24187216	2.5512056	21	5 29.9	18.8
146337 2001 OW_{14}	14.6	X	183.11029	47.62825	323.03994	12.21303	0.2777392	0.22631810	2.6667964	21	3 14.5	19.5
146338 2001 OH_{37}	15.6	X	243.34981	347.35799	49.66984	9.90770	0.1835625	0.24009562	2.5637749	21	6 8.6	19.6
146339 2001 OY_{46}	16.3	X	321.06836	109.72698	229.88477	1.95998	0.1959463	0.24486391	2.5303826	21	7 5.7	18.6
146340 2001 OF_{51}	15.0	X	180.33475	236.17717	105.19512	14.13145	0.2616215	0.22522032	2.6754551	21	2 12.8	19.8
146341 2001 OS_{53}	15.5	X	198.46648	302.69459	113.36454	16.42959	0.2122037	0.23328063	2.6134664	21	5 27.1	20.2
146342 2001 OZ_{59}	16.2	X	242.51458	232.99349	150.78724	3.48027	0.0721986	0.24154074	2.5535388	21	6 3.3	19.8
146343 2001 OD_{62}	15.7	X	149.10929	322.91411	316.03724	22.22475	0.0811869	0.26353622	2.4094015	21	—	—
146344 2001 OF_{68}	15.5	X	227.75507	203.45098	124.05705	13.05553	0.1900703	0.22958118	2.6414670	21	3 4.4	20.0
146345 2001 OJ_{73}	14.9	X	265.48691	271.42189	344.28305	25.14808	0.2495362	0.27569105	2.3380526	21	1 2.5	19.4
146346 2001 OS_{85}	15.6	X	210.49492	92.85602	269.14582	10.23084	0.2103482	0.23133606	2.6280915	21	3 22.6	20.3
146347 2001 OH_{87}	16.3	X	235.85713	260.45321	105.34564	5.07095	0.2443607	0.23310213	2.6148004	21	4 22.6	20.8
146348 2001 OF_{93}	15.7	X	223.13648	353.12600	21.74765	5.70860	0.1980580	0.23469635	2.6029460	21	4 22.4	20.0
146349 2001 OX_{96}	15.6	X	229.91327	247.54700	91.39680	5.90770	0.1576229	0.23141785	2.6274723	21	3 21.0	19.8
146350 2001 OC_{97}	15.7	X	343.76353	267.14704	27.93507	3.22565	0.1474949	0.24258991	2.5461709	21	6 19.4	18.1
146351 2001 OH_{97}	16.0	X	324.85387	277.59960	80.42803	4.64962	0.2912723	0.24565802	2.5249266	21	7 30.2	17.8
146352 2001 OG_{103}	16.2	X	62.67215	28.21631	288.73976	4.91123	0.1975493	0.25598364	2.4565630	21	12 13.3	19.6
146353 2001 OK_{103}	15.5	X	205.55506	132.34150	251.00822	10.83336	0.2037978	0.23171758	2.6252060	21	4 15.7	20.2
146354 2001 OK_{106}	15.5	X	241.99100	101.53282	308.43556	9.09229	0.1863092	0.23844216	2.5756135	21	6 25.6	19.4
146355 2001 OL_{106}	15.1	X	110.74795	58.39433	316.70945	12.41169	0.2045506	0.21641833	2.7475147	21	1 13.8	18.8
146356 2001 OB_{107}	15.2	X	73.53121	107.21067	299.59686	6.36300	0.3160192	0.21266563	2.7797422	21	1 14.3	17.8
146357 2001 OH_{107}	14.9	X	230.15594	46.38963	335.81961	15.18960	0.2054691	0.23265771	2.6181293	21	5 1.2	19.6
146358 2001 OD_{113}	15.4	X	106.54715	202.09386	234.43081	15.39593	0.3167641	0.22313896	2.6920664	21	4 4.6	19.6
146359 2001 PG_4	15.6	X	198.39849	319.95514	49.51148	4.46541	0.2334850	0.23101201	2.6305487	21	3 28.9	20.1
146360 2001 PM_4	15.2	X	99.91181	179.60414	255.82416	21.14519	0.1280777	0.22389865	2.6859735	21	2 19.3	19.3
146361 2001 PL_5	15.9	X	222.42774	250.78878	97.27221	9.56531	0.1179003	0.23126100	2.6286602	21	3 28.6	20.1
146362 2001 PR_{13}	16.0	X	188.05027	87.64470	263.98355	2.32924	0.0879903	0.22737489	2.6585268	21	2 20.5	20.0
146363 2001 PA_{26}	16.5	X	298.73422	212.69764	111.00563	4.67021	0.2302297	0.23861804	2.5743477	21	5 2.8	19.9
146364 2001 PX_{26}	16.4	X	282.73684	323.51894	356.72381	2.83190	0.1653533	0.23571057	2.5954740	21	4 15.3	20.2
146365 2001 PC_{32}	15.8	X	246.64841	305.76405	50.21975	8.25513	0.2133762	0.23513787	2.5996866	21	4 20.9	20.0
146366 2001 PT_{40}	15.7	X	216.33807	63.26440	284.26772	7.02357	0.0947376	0.22857637	2.6492026	21	3 13.9	19.9
146367 2001 PO_{42}	15.7	X	167.63538	266.59416	111.86812	15.69896	0.1254946	0.22630591	2.6668921	21	3 13.7	20.0
146368 2001 PZ_{45}	15.7	X	210.60383	322.11976	83.36158	16.78745	0.1456067	0.23542437	2.5975771	21	5 24.6	19.9
146369 2001 PD_{50}	16.3	X	345.44528	272.30827	96.31572	4.97106	0.0871592	0.25107452	2.4884807	21	10 18.2	19.0
146370 2001 PE_{58}	16.0	X	292.94626	237.92591	75.30644	3.23353	0.1141529	0.23619420	2.5919297	21	4 28.1	19.3
146371 2001 PF_{62}	16.4	X	343.22418	123.63959	205.16997	2.91203	0.1612641	0.24500981	2.5293779	21	8 9.3	18.7
146372 2001 QE_2	15.7	X	292.73446	92.04860	242.44300	6.02887	0.2109945	0.23889327	2.5723700	21	5 10.1	19.1
146373 2001 QM_3	15.6	X	276.23007	163.97144	137.99838	14.47337	0.0923463	0.23409380	2.6074107	21	3 30.2	19.4
146374 2001 QG_4	16.9	X	80.48142	182.14696	126.67397	2.19530	0.1836888	0.25766609	2.4458578	21	12 19.9	20.7
146375 2001 QZ_{11}	16.4	X	281.83464	11.40341	332.85431	1.16007	0.2155113	0.23814076	2.5777862	21	5 9.1	20.0
146376 2001 QJ_{12}	15.6	X	120.63091	98.81096	327.42808	5.22808	0.3017342	0.22270024	2.6956009	21	4 5.1	20.0
146377 2001 QF_{16}	15.8	X	255.75817	320.57542	54.34494	4.46785	0.2366950	0.23767221	2.5811730	21	5 19.3	19.8
146378 2001 QN_{32}	14.6	X	127.18055	49.80629	334.36409	16.56001	0.2256048	0.22295180	2.6935729	21	2 14.5	18.6
146379 2001 QS_{39}	16.0	X	284.36910	334.77624	340.41440	1.14606	0.1963568	0.23758012	2.5818400	21	4 6.7	19.5
146380 2001 QV_{50}	15.4	X	241.41230	282.18152	54.25264	4.71288	0.1661734	0.23312741	2.6146115	21	3 26.9	19.6
146381 2001 QC_{52}	16.0	X	236.82091	358.55389	17.00001	3.85927	0.1949148	0.23617080	2.5921010	21	5 5.3	20.3
146382 2001 QS_{52}	16.0	X	278.81717	299.84197	10.19565	3.94032	0.1419402	0.23525506	2.5988232	21	4 1.3	19.7
146383 2001 QD_{58}	16.3	X	274.94538	272.19807	62.99530	4.40369	0.2405523	0.23612427	2.5924415	21	4 18.7	20.1
146384 2001 QF_{59}	15.2	X	74.76495	117.13384	314.54602	10.65856	0.2139417	0.21647174	2.7470627	21	2 2.3	18.1
146385 2001 QY_{62}	15.1	X	149.78737	103.95308	334.61943	11.11789	0.1757533	0.22942391	2.6426741	21	5 2.8	19.5
146386 2001 QO_{70}	15.2	X	99.92631	14.63582	327.66939	8.97950	0.1725514	0.21156579	2.7893676	21	—	—
146387 2001 QX_{76}	15.3	X	264.93887	73.65004	307.27320	2.45967	0.1603389	0.23444820	2.6047824	21	6 15.0	18.8
146388 2001 QG_{82}	15.2	X	169.37362	79.17341	319.95713	9.89198	0.1110188	0.22568653	2.6717693	21	3 29.6	19.4
146389 2001 QM_{82}	15.8	X	337.63623	17.24492	309.17214	9.07727	0.2576378	0.24256996	2.5463106	21	7 15.9	17.4
146390 2001 QJ_{87}	15.7	X	301.32882	45.34285	244.69484	9.78244	0.1134851	0.23355219	2.6114402	21	4 4.1	19.4
146391 2001 QB_{102}	14.9	X	139.31211	69.28472	9.64363	12.70228	0.1383867	0.22469656	2.6796111	21	4 21.4	19.0
146392 2001 QJ_{114}	15.5	X	256.93352	48.31734	317.43935	14.05560	0.1125338	0.23674378	2.5879169	21	5 18.6	19.5
146393 2001 QO_{119}	15.8	X	198.79964	225.01673	129.13856	5.71306	0.1693596	0.22752758	2.6573373	21	3 10.7	20.1
146394 2001 QH_{133}	15.6	X	160.42517	119.77581	273.62839	7.67706	0.0747994	0.22734819	2.6587350	21	3 10.4	19.6
146395 2001 QX_{143}	16.4	X	112.70754	347.48670	188.16927	1.44569	0.0853759	0.24048423	2.5610122	21	7 23.8	20.0
146396 2001 QQ_{149}	15.9	X	96.94620	279.56941	110.82277	13.31891	0.1912501	0.21678283	2.7444340	21	1 10.5	19.2
146397 2001 QW_{153}	16.0	X	203.20182	156.97038	180.92524	3.39046	0.1081294	0.22487842	2.6781662	21	2 20.3	20.1
146398 2001 QL_{156}	15.8	X	199.51941	115.24524	294.51565	4.57627	0.1832090	0.23350008	2.6118287	21	5 15.1	20.2
146399 2001 QS_{162}	16.5	X	127.05068	21.01131	292.82992	5.06370	0.1455052	0.26378550	2.4078833	21	—	—
146400 2001 QJ_{163}	16.3	X	311.12975	331.04761	307.43075	4.43750	0.2310646	0.23590994	2.5940114	21	3 15.9	19.9

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146401 2001 QK_{164}	16.0	X	173.86075	321.92202	77.27500	8.93732	0.1921955	0.23065018	2.6332990	21	4 15.2	20.5
146402 2001 QV_{164}	16.2	X	281.99319	303.23574	73.87214	3.93199	0.1765888	0.24272142	2.5452512	21	6 29.3	19.4
146403 2001 QA_{166}	15.8	X	159.73418	279.33998	115.04089	10.03664	0.1034165	0.22807204	2.6531065	21	3 21.9	19.9
146404 2001 QZ_{180}	15.6	X	204.65819	178.72603	197.37999	9.29774	0.1125097	0.23084822	2.6317928	21	4 10.1	19.6
146405 2001 QJ_{185}	15.8	X	321.52519	56.61697	259.06514	6.43724	0.1754449	0.24005784	2.5640439	21	6 3.4	18.6
146406 2001 QU_{189}	15.7	X	137.55496	136.42400	259.94224	13.86760	0.1248840	0.22339715	2.6899919	21	2 19.8	19.9
146407 2001 QK_{190}	15.5	X	197.11184	76.65061	267.84575	13.58543	0.1203127	0.22574225	2.6713296	21	2 16.9	19.9
146408 2001 QC_{192}	15.7	X	31.30330	343.14700	263.77605	13.73200	0.0562425	0.23897135	2.5718096	21	7 2.2	18.8
146409 2001 QQ_{193}	15.6	X	286.27369	8.53005	266.83710	12.44116	0.2345171	0.23021428	2.6366220	21	2 9.8	19.9
146410 2001 QU_{193}	15.2	X	192.45253	193.74819	278.00671	11.89504	0.1354689	0.23825829	2.5769384	21	7 26.6	19.2
146411 2001 QF_{194}	15.2	X	216.74615	99.30617	297.88582	12.41777	0.1458079	0.23252101	2.6191553	21	5 14.6	19.6
146412 2001 QU_{196}	15.1	X	70.07280	160.81347	291.74316	14.24374	0.1581870	0.21834797	2.7313034	21	2 9.5	18.3
146413 2001 QM_{197}	14.9	X	84.88167	25.64918	298.04505	14.39770	0.1399442	0.20520213	2.8467422	21	12 30.3	19.3
146414 2001 QV_{197}	15.0	X	108.37083	145.93173	224.60961	11.61535	0.1619489	0.21237283	2.7822965	21	—	—
146415 2001 QS_{199}	14.8	X	30.60823	91.66268	7.07106	13.49029	0.1074702	0.21124887	2.7921567	21	—	—
146416 2001 QC_{215}	16.5	X	242.26591	315.19160	49.92990	1.45795	0.1647300	0.23416480	2.6068836	21	4 30.6	20.5
146417 2001 QB_{217}	16.2	X	285.57163	223.41856	124.90043	2.80076	0.2314036	0.23862712	2.5742823	21	5 17.9	19.7
146418 2001 QG_{219}	16.4	X	237.64264	81.72136	286.98131	1.30948	0.1302192	0.23531460	2.5983848	21	5 2.5	20.4
146419 2001 QP_{219}	15.5	X	160.05757	157.64119	275.60948	14.13734	0.1038774	0.22698955	2.6615347	21	5 2.8	19.8
146420 2001 QA_{220}	15.2	X	240.69573	138.31317	313.43769	14.37640	0.0717125	0.24002860	2.5642521	21	8 28.2	18.8
146421 2001 QP_{220}	15.6	X	8.92144	309.41257	297.88288	14.41536	0.1086441	0.24015871	2.5633258	21	5 26.9	18.6
146422 2001 QP_{224}	16.6	X	130.26752	265.29563	20.45390	1.20752	0.1607355	0.26294233	2.4130281	21	—	—
146423 2001 QK_{228}	15.4	X	137.55984	234.76064	195.58911	14.32395	0.0733491	0.22900991	2.6458580	21	4 3.7	19.1
146424 2001 QO_{231}	15.6	X	162.87901	108.46068	308.82742	12.36398	0.1876193	0.22921936	2.6442460	21	4 17.7	20.2
146425 2001 QQ_{240}	15.1	X	161.86948	166.02910	358.32709	14.60832	0.1090607	0.24457327	2.5323869	21	9 7.3	18.9
146426 2001 QF_{245}	15.4	X	74.91841	238.09103	172.57691	15.52733	0.1512262	0.21398387	2.7683141	21	—	—
146427 2001 QG_{247}	15.9	X	100.69040	317.57316	52.41672	1.88163	0.2118578	0.21247210	2.7814298	21	—	—
146428 2001 QC_{258}	16.0	X	313.57585	252.29845	89.04981	7.64200	0.1789428	0.24245110	2.5471427	21	6 26.9	18.5
146429 2001 QQ_{258}	16.1	X	101.82509	114.43389	228.94761	6.98865	0.1995038	0.21186979	2.7866987	21	—	—
146430 2001 QR_{259}	15.9	X	267.87109	117.14035	287.98221	7.44955	0.0886341	0.24123818	2.5556734	21	7 31.7	19.3
146431 2001 QT_{267}	15.6	X	117.10477	81.73745	319.50410	11.90927	0.1131578	0.22199003	2.7013472	21	2 7.5	19.1
146432 2001 QW_{269}	15.8	X	276.34594	10.72955	341.72571	5.23044	0.1411272	0.24099064	2.5574232	21	5 22.7	19.4
146433 2001 QX_{274}	15.6	X	55.94192	258.21811	98.45577	8.92066	0.1819636	0.20856652	2.8160454	21	—	—
146434 2001 QM_{275}	15.9	X	221.67534	97.84973	269.32902	14.85189	0.2261106	0.23114998	2.6295018	21	4 5.3	20.8
146435 2001 QU_{278}	15.3	X	141.69551	281.59705	115.14283	13.60234	0.1426223	0.22481318	2.6786844	21	3 10.1	19.4
146436 2001 QC_{280}	16.4	X	285.71243	265.05305	76.72813	5.19880	0.2433500	0.23820459	2.5773257	21	5 8.1	19.9
146437 2001 QK_{282}	15.0	X	123.17057	249.99172	99.28923	15.01034	0.1982886	0.21406022	2.7676557	21	—	—
146438 2001 QQ_{283}	15.2	X	171.43631	122.16068	265.68768	11.42676	0.1659060	0.22849265	2.6498496	21	3 19.4	19.7
146439 2001 QD_{284}	15.8	X	221.91143	257.58109	104.39496	12.96564	0.0902262	0.23199651	2.6231014	21	4 17.2	20.0
146440 2001 QH_{284}	16.3	X	226.05423	145.81701	182.80501	1.84298	0.0865549	0.22776609	2.6554818	21	3 4.4	20.3
146441 2001 QQ_{291}	15.0	X	287.12866	291.67390	1.08138	24.08538	0.0889922	0.27908248	2.3190726	21	3 21.5	17.9
146442 Dwaynebrown	16.5	X	300.34577	346.80596	163.60820	2.20806	0.1309971	0.26188837	2.4194979	21	—	—
146443 2001 QQ_{333}	15.8	X	207.54505	183.99117	282.09810	10.32887	0.1111116	0.23959423	2.5673504	21	8 4.9	19.7
146444 2001 RB	15.4	X	214.13458	68.37252	330.55807	10.61030	0.3086695	0.22947554	2.6422776	21	5 7.9	20.4
146445 2001 RC_{1}	15.9	X	194.80501	145.76721	215.42125	1.52667	0.1241981	0.22792652	2.6542357	21	3 12.5	20.0
146446 2001 RA_{3}	15.9	X	230.16197	124.26682	267.16874	9.03376	0.1829741	0.23559032	2.5963571	21	5 19.9	20.1
146447 2001 RU_{8}	16.5	X	196.85483	328.26387	282.49530	4.32325	0.2003744	0.26638325	2.3922034	21	—	—
146448 2001 RQ_{14}	16.7	X	254.73146	141.19343	160.51746	2.63528	0.0603703	0.22829629	2.6513689	21	3 4.4	20.5
146449 2001 RC_{22}	15.7	X	345.97173	205.53482	259.14582	1.55073	0.1754110	0.26116793	2.4239453	21	—	—
146450 2001 RE_{26}	15.8	X	140.99895	263.93075	147.31216	6.10801	0.1184424	0.22608141	2.6686573	21	3 21.6	19.6
146451 2001 RP_{26}	15.2	X	150.58551	38.84240	2.02457	6.04367	0.2025339	0.22510748	2.6763492	21	3 24.8	19.5
146452 2001 RQ_{27}	15.7	X	130.62517	262.22532	143.97063	2.78177	0.1646356	0.22274758	2.6952189	21	3 8.7	19.5
146453 2001 RC_{28}	15.2	X	155.20196	285.87056	168.02852	5.42684	0.2669447	0.23208613	2.6224261	21	6 6.1	19.8
146454 2001 RE_{29}	16.4	X	176.37978	242.19558	150.04717	2.64397	0.0909153	0.22886017	2.6470119	21	4 1.5	20.3
146455 2001 RD_{31}	15.6	X	142.78426	271.71411	160.88778	22.22249	0.0454855	0.23025949	2.6362769	21	4 14.3	19.5
146456 2001 RP_{34}	15.5	X	82.55403	271.78321	181.92558	10.52797	0.1230093	0.22456809	2.6806329	21	2 27.5	18.8
146457 2001 RH_{37}	15.6	X	158.50317	277.62457	170.73907	17.18217	0.1040893	0.23459977	2.6036603	21	5 26.7	19.9
146458 2001 RH_{38}	15.5	X	74.19688	106.55882	350.32999	12.33844	0.2586794	0.21967447	2.7202970	21	3 13.8	18.4
146459 2001 RJ_{39}	16.2	X	146.67564	117.01256	351.33102	4.54478	0.2347099	0.23208520	2.6224331	21	6 14.5	20.7
146460 2001 RR_{51}	15.7	X	0.97635	286.73174	295.24124	12.00677	0.0450620	0.23223830	2.6212805	21	4 4.4	19.4
146461 2001 RX_{56}	16.4	X	163.91366	309.56662	133.61140	1.82952	0.1447195	0.23212234	2.6221533	21	5 25.4	20.6
146462 2001 RJ_{58}	16.2	X	122.40649	289.20359	109.50231	3.56033	0.1869203	0.22025735	2.7154956	21	2 22.1	20.1
146463 2001 RM_{59}	15.5	X	188.14244	75.57279	15.24388	12.38190	0.1667741	0.23552027	2.5968719	21	6 27.5	19.9
146464 2001 RC_{61}	15.4	X	91.86569	22.27547	110.14288	6.44415	0.1489986	0.22816443	2.6523903	21	5 11.4	18.9
146465 2001 RJ_{61}	15.5	X	121.10865	336.33057	92.87904	5.79291	0.1489340	0.22339502	2.6900089	21	3 27.5	19.4
146466 2001 RY_{62}	15.7	X	122.77647	23.61458	38.63943	7.80991	0.1329883	0.22202441	2.7010683	21	3 18.8	19.5
146467 2001 RX_{63}	15.4	X	151.34222	215.00564	231.02552	13.76154	0.2323098	0.22996947	2.6384929	21	5 22.1	19.8
146468 2001 RG_{65}	15.8	X	60.82752	133.21242	321.74922	8.49836	0.1459860	0.21760406	2.7375247	21	1 31.9	18.7
146469 2001 RR_{75}	15.5	X	56.49279	309.77816	114.93625	2.98512	0.2308239	0.21033541	2.8002349	21	—	—
146470 2001 RM_{78}	15.2	X	95.33283	334.21649	12.64659	9.74645	0.1955417	0.20912580	2.8110224	21	—	—
146471 2001 RY_{78}	15.0	X	119.04510	336.95180	78.68858	11.09126	0.1847462	0.21701934	2.7424397	21	3 16.5	19.1
146472 2001 RO_{79}	15.3	X	65.58524	355.63871	49.09620	9.04439	0.1904921	0.20897611	2.8123646	21	—	—
146473 2001 RD_{81}	15.5	X	337.55910	342.01900	280.47872	14.47787	0.1142710	0.23625871	2.5914579	21	4 17.3	18.8
146474 2001 RC_{83}	15.7	X	125.70568	333.77742	196.96682	8.71176	0.1035129	0.24106325	2.5569096	21	8 1.5	19.6
146475 2001 RS_{90}	15.5	X	148.68835	248.46163	135.04198	7.03155	0.0652744	0.22277909	2.6949648	21	2 17.0	19.2
146476 2001 RK_{96}	16.9	X	122.34949	304.12391	315.52183	2.44926	0.1389276	0.25641319	2.4538187	21	11 25.6	20.6
146477 2001 RG_{103}	16.1	X	170.27022	14.34033	41.58405	5.02952	0.1587553	0.22990070	2.6390190	21	4 27.6	20.1
146478 2001 RJ_{107}	16.6	X	254.59400	222.22858	150.67296	7.85800	0.2014769	0.23600331	2.5933272	21	5 21.4	20.7
146479 2001 RQ_{117}	16.2	X	75.64453	74.01486	1.90020	3.04296	0.0518200	0.22023290	2.7156966	21	1 19.6	19.6
146480 2001 RB_{121}	16.0	X	117.85866	261.91303	143.14822	5.91894	0.1783150	0.22055964	2.7130139	21	2 22.9	19.8

Planet		H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
		m		°	°	°	°		°				
146481	2001 RC_{123}	16.6	X	145.08285	19.58544	9.25915	3.80244	0.1164031	0.22305790	2.6927186	21	2 25.8	20.4
146482	2001 RR_{127}	16.5	X	235.04916	147.37244	148.70386	6.64310	0.1226279	0.27485061	2.3428164	21	1 23.9	20.1
146483	2001 RF_{129}	15.0	X	20.85954	101.93414	8.68275	9.67627	0.1424881	0.21571651	2.7534707	21	—	—
146484	2001 RX_{136}	15.5	X	240.52946	358.26788	14.94412	15.30626	0.0331480	0.23410152	2.6073534	21	5 16.7	19.3
146485	2001 RJ_{144}	16.2	X	192.75522	152.53017	299.72734	4.99314	0.1473151	0.23750638	2.5823743	21	7 3.9	20.4
146486	2001 RY_{150}	15.7	X	184.15751	332.49372	114.83296	6.39203	0.2349894	0.23282829	2.6168504	21	6 19.2	20.2
146487	2001 RQ_{151}	16.1	X	345.80463	214.86505	128.51485	10.29557	0.1724761	0.24523912	2.5278010	21	9 12.7	18.4
146488	2001 RP_{153}	16.3	X	139.30544	354.57755	261.62280	4.72883	0.1060677	0.25707300	2.4496182	21	12 7.9	19.9
146489	2001 SW_{2}	15.7	X	121.62168	318.97054	41.46964	4.38363	0.1900266	0.21459269	2.7630756	21	1 5.9	19.6
146490	2001 SB_{11}	15.5	X	91.80218	255.31992	225.94163	9.72816	0.1430809	0.22811193	2.6527972	21	4 22.2	18.9
146491	2001 SG_{14}	15.9	X	159.00876	15.30823	164.32147	2.65462	0.0793472	0.24624777	2.5208936	21	9 21.6	19.6
146492	2001 SB_{20}	16.1	X	276.28931	246.45588	90.51483	5.31632	0.1545985	0.23416138	2.6069090	21	5 3.8	19.8
146493	2001 SF_{21}	15.7	X	142.97735	8.54604	69.47501	4.76102	0.0585271	0.22725410	2.6594688	21	4 20.4	19.4
146494	2001 SO_{22}	16.1	X	123.48174	105.19632	329.61582	2.68115	0.1839416	0.22369895	2.6875718	21	4 6.4	19.9
146495	2001 SD_{25}	16.3	X	199.82363	358.47214	359.40177	1.75980	0.1067267	0.22614494	2.6681575	21	3 13.9	20.4
146496	2001 SL_{27}	16.2	X	172.56449	297.64984	151.08155	1.20257	0.0363834	0.23390768	2.6087937	21	6 6.5	19.6
146497	2001 SM_{28}	16.5	X	325.94007	263.52293	73.06946	1.93740	0.0909732	0.24076324	2.5590332	21	7 25.0	19.2
146498	2001 SK_{30}	15.8	X	113.20728	151.82902	22.50731	3.46997	0.0392201	0.23748051	2.5825618	21	7 17.9	19.2
146499	2001 SP_{36}	15.5	X	141.11662	65.22385	14.74562	12.95672	0.2483709	0.22491697	2.6778602	21	5 3.6	20.1
146500	2001 SM_{37}	16.2	X	233.25314	277.76546	78.93831	2.24329	0.1267574	0.22999661	2.6382853	21	4 14.8	20.3
146501	2001 SD_{41}	15.6	X	187.71819	86.50450	349.04490	14.48275	0.0924663	0.23457589	2.6038371	21	6 5.0	19.8
146502	2001 SF_{41}	15.8	X	129.64812	196.35669	334.39361	5.41154	0.0722191	0.24061525	2.5600825	21	8 6.7	19.3
146503	2001 SZ_{42}	16.0	X	324.27117	245.71405	99.33585	2.32241	0.1994279	0.24250174	2.5467881	21	7 21.1	18.3
146504	2001 SH_{45}	15.5	X	150.39779	321.35379	131.16547	5.60037	0.1592714	0.22941963	2.6427069	21	5 25.9	19.8
146505	2001 SY_{52}	16.2	X	83.37630	290.97115	138.76426	2.75763	0.1465821	0.21635441	2.7480558	21	2 3.8	19.5
146506	2001 SF_{56}	15.7	X	104.17679	283.06970	177.74738	13.33778	0.2869488	0.22083275	2.7107766	21	5 5.4	19.9
146507	2001 SP_{58}	15.2	X	172.38437	134.20518	181.69164	4.56167	0.1157651	0.21565913	2.7539591	21	—	—
146508	2001 SH_{65}	15.2	X	25.38239	294.92567	197.35349	11.61823	0.1283898	0.21519732	2.7578977	21	1 15.9	18.6
146509	2001 SY_{74}	15.3	X	54.68017	85.37742	359.74430	12.25134	0.1291378	0.21433435	2.7652954	21	1 9.4	18.6
146510	2001 SD_{81}	16.0	X	141.49105	120.64312	293.41607	3.87999	0.1082300	0.22750018	2.6575506	21	3 20.8	19.9
146511	2001 SE_{81}	16.0	X	192.44916	226.04491	199.71601	3.89956	0.2334157	0.23413902	2.6070750	21	5 30.2	20.5
146512	2001 SM_{92}	17.0	X	332.28932	321.44299	333.74231	3.17446	0.1017469	0.23838516	2.5760240	21	6 2.4	20.0
146513	2001 SA_{98}	15.9	X	142.80878	103.02604	247.36765	4.09080	0.0647212	0.21740286	2.7392135	21	—	—
146514	2001 SX_{118}	16.1	X	18.81811	18.34740	236.43885	4.34199	0.2291247	0.24139108	2.5545941	21	7 7.9	18.0
146515	2001 SJ_{124}	16.0	X	83.02878	330.00161	209.22416	3.42054	0.0338392	0.23693753	2.5865059	21	6 11.7	19.3
146516	2001 SD_{133}	15.5	X	122.76818	89.52275	352.67126	13.31938	0.1581678	0.22483577	2.6785049	21	4 8.5	19.5
146517	2001 SL_{135}	15.6	X	77.26625	60.21540	0.97693	11.08222	0.1006004	0.21653320	2.7465429	21	1 10.9	19.1
146518	2001 SX_{139}	16.0	X	163.23541	16.19241	346.27183	1.73733	0.0755267	0.22118798	2.7078735	21	2 8.6	19.8
146519	2001 ST_{142}	16.3	X	206.85020	61.27650	253.83367	3.39477	0.1386811	0.22300403	2.6931522	21	1 27.9	20.5
146520	2001 SM_{143}	15.9	X	73.26501	224.50539	220.36260	3.66330	0.2877628	0.21674868	2.7447222	21	2 27.9	18.7
146521	2001 SX_{145}	16.5	X	195.05388	44.32206	321.50546	3.64989	0.1218044	0.22674604	2.6634400	21	3 17.8	20.6
146522	2001 SC_{149}	15.5	X	104.86344	117.22719	285.00663	3.28052	0.1014371	0.21787536	2.7352517	21	1 22.7	19.1
146523	2001 SP_{149}	16.1	X	333.46078	13.03789	285.20056	3.99535	0.2244039	0.23803841	2.5785250	21	5 22.6	18.6
146524	2001 SY_{154}	15.2	X	64.28698	21.17849	6.67347	9.30809	0.1543397	0.20942107	2.8083795	21	—	—
146525	2001 SO_{155}	15.8	X	129.97571	107.38701	334.89619	1.81740	0.0667593	0.22509586	2.6764412	21	4 9.0	19.4
146526	2001 SX_{156}	16.3	X	178.13431	166.69536	247.71835	4.09365	0.1197808	0.22980110	2.6397815	21	4 30.9	20.4
146527	2001 SX_{158}	15.6	X	69.39543	242.71948	212.32126	11.95173	0.1020410	0.21907618	2.7252475	21	2 4.9	19.2
146528	2001 SE_{159}	16.1	X	155.78120	158.37827	227.59223	5.14197	0.0398135	0.22278671	2.6949033	21	2 22.7	20.0
146529	2001 SD_{161}	15.8	X	113.71920	355.88405	4.67200	4.97090	0.1524285	0.21385936	2.7693885	21	—	—
146530	2001 SK_{180}	16.4	X	259.53347	252.66096	81.28349	1.15448	0.0812455	0.23503998	2.6004083	21	4 17.8	19.9
146531	2001 SW_{187}	16.9	X	312.02125	179.53515	97.08285	0.69560	0.1348029	0.23489253	2.6014965	21	4 1.3	20.1
146532	2001 SM_{191}	16.3	X	241.33251	329.49819	12.77896	5.56271	0.0425511	0.23137221	2.6278178	21	4 10.3	19.9
146533	2001 SM_{208}	16.0	X	59.72973	283.02646	150.01596	3.20456	0.0612260	0.21658961	2.7460660	21	—	—
146534	2001 SX_{223}	16.1	X	96.24728	232.03027	166.89796	5.38340	0.0690181	0.21624332	2.7489969	21	1 2.6	19.7
146535	2001 SY_{226}	16.3	X	299.01877	207.71553	88.68201	2.89831	0.0411325	0.23113441	2.6296199	21	4 25.7	19.8
146536	2001 SZ_{226}	15.5	X	349.89410	247.00211	123.05270	3.33586	0.0666514	0.19771850	2.9181292	21	10 16.7	19.1
146537	2001 SP_{231}	15.4	X	79.32406	219.06269	72.45741	3.18115	0.0510298	0.19938692	2.9018276	21	11 3.8	19.3
146538	2001 SJ_{245}	15.6	X	98.40878	284.66478	57.76772	9.20577	0.1144842	0.20913371	2.8109515	21	—	—
146539	2001 SG_{251}	16.1	X	170.79100	358.13682	24.36179	4.71895	0.1540864	0.22316653	2.6918447	21	3 19.2	20.3
146540	2001 SQ_{251}	16.1	X	193.51862	252.09548	33.67423	3.59523	0.0774888	0.21365883	2.7711210	21	—	—
146541	2001 SQ_{256}	16.0	X	314.28977	186.40249	54.93554	3.16203	0.0768024	0.22347362	2.6893781	21	2 28.7	19.5
146542	2001 SD_{266}	16.2	X	341.89371	281.11306	35.63061	2.16731	0.1300805	0.23901714	2.5714812	21	7 21.6	18.8
146543	2001 SC_{277}	15.4	X	95.07136	357.09017	42.16400	7.69529	0.1436234	0.21312015	2.7757885	21	1 14.4	19.0
146544	2001 SE_{277}	15.0	X	226.64463	59.86590	300.18139	26.16952	0.0937600	0.22835220	2.6509360	21	3 27.7	19.6
146545	2001 SC_{278}	15.5	X	110.16059	112.15826	283.01459	6.60910	0.1761014	0.21538390	2.7563047	21	1 31.1	19.2
146546	2001 SC_{279}	15.4	X	158.80382	89.83298	230.73353	7.63466	0.1309163	0.21405983	2.7676591	21	—	—
146547	2001 SR_{282}	16.0	X	101.94656	278.68366	103.28955	4.85380	0.1850208	0.21331454	2.7741019	21	1 6.8	19.3
146548	2001 SU_{285}	14.7	X	298.39060	337.40935	85.64538	12.84616	0.1812060	0.24526435	2.5276277	21	10 8.5	17.6
146549	2001 SK_{287}	15.5	X	16.49697	215.46697	336.25493	11.03389	0.0973999	0.22887191	2.6469214	21	3 20.2	18.5
146550	2001 SB_{292}	15.4	X	236.13218	137.57820	270.21821	14.48684	0.1015360	0.23673402	2.5879881	21	6 24.2	19.2
146551	2001 SP_{301}	16.3	X	153.93639	93.89761	304.50197	2.58157	0.0898100	0.22495428	2.6775641	21	3 14.3	20.3
146552	2001 ST_{303}	16.4	X	259.12828	238.45030	311.80742	1.36689	0.1220573	0.26070203	2.4268323	21	—	—
146553	2001 SX_{304}	16.5	X	90.20357	189.90351	206.71472	4.46301	0.0615092	0.21493538	2.7601379	21	—	—
146554	2001 SE_{315}	15.5	X	71.23759	250.57661	232.60092	10.57574	0.2122353	0.22137213	2.7063716	21	4 3.7	18.7
146555	2001 SL_{317}	16.2	X	44.92078	301.74598	140.88473	3.48602	0.0717013	0.21477568	2.7615060	21	—	—
146556	2001 SJ_{318}	16.5	X	113.39676	209.22306	197.17510	0.99010	0.0863337	0.21914446	2.7246814	21	2 5.5	20.0
146557	2001 SR_{318}	16.0	X	108.12376	172.80060	2.87493	4.31420	0.1016773	0.23810293	2.5780592	21	7 21.8	19.6
146558	2001 SQ_{338}	16.0	X	89.81599	276.08875	137.46823	4.35914	0.0832567	0.21714364	2.7413930	21	1 14.1	19.5
146559	2001 SH_{345}	15.6	X	205.25977	233.31631	75.73950	15.42152	0.1993120	0.22070963	2.7117846	21	1 23.5	20.4
146560	2001 SJ_{350}	16.2	X	2.65804	336.43167	333.23348	3.20458	0.1189987	0.24030118	2.5623126	21	8 20.6	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146561 2001 TC_{4}	16.1	X	204.38397	131.98184	242.13697	2.36532	0.1722933	0.22730820	2.6590468	21	4 6.2	20.3
146562 2001 TY_{6}	16.4	X	265.62958	273.18232	90.33246	6.44045	0.0612958	0.23452374	2.6042230	21	6 6.8	19.8
146563 2001 TB_{7}	16.3	X	358.29725	176.62880	110.16280	5.68191	0.1941349	0.23934926	2.5691018	21	7 7.1	18.2
146564 2001 TT_{19}	15.7	X	88.02494	95.25514	283.75086	7.22390	0.1665963	0.21017147	2.8016909	21	—	—
146565 2001 TU_{21}	15.5	X	163.22551	17.90607	58.89558	15.02332	0.1040125	0.22917372	2.6445970	21	5 14.8	19.5
146566 2001 TF_{29}	15.7	X	239.96732	109.85684	323.81357	2.19043	0.0664643	0.23745237	2.5827659	21	8 7.5	19.1
146567 2001 TW_{48}	15.2	X	140.22707	154.43056	289.76207	20.99712	0.1130006	0.22648031	2.6655229	21	4 21.0	19.6
146568 2001 TW_{54}	15.9	X	249.80122	173.13907	285.34063	3.27808	0.1845645	0.24337723	2.5406768	21	9 4.5	19.4
146569 2001 TM_{59}	16.1	X	90.44541	145.69719	40.32101	2.78103	0.0713508	0.23481644	2.6020585	21	7 7.7	19.4
146570 2001 TK_{60}	15.5	X	54.35995	117.26713	43.80997	3.59042	0.1162417	0.22496200	2.6775029	21	4 17.2	18.4
146571 2001 TR_{65}	15.3	X	69.81217	236.46606	205.61764	2.36602	0.1578093	0.21453666	2.7635567	21	1 30.5	18.4
146572 2001 TF_{68}	14.8	X	112.98569	14.31404	44.14341	15.83799	0.0661836	0.21821698	2.7323963	21	2 26.5	18.8
146573 2001 TS_{68}	16.1	X	42.21399	231.97937	213.65487	3.06864	0.0728581	0.21399646	2.7682055	21	—	—
146574 2001 TT_{69}	15.9	X	48.70508	139.13443	321.16971	0.78258	0.1904897	0.21453362	2.7635828	21	1 20.0	18.4
146575 2001 TR_{74}	15.3	X	131.33139	83.77829	44.93432	14.79175	0.0436120	0.23038554	2.6353152	21	6 6.5	19.0
146576 2001 TZ_{77}	15.5	X	110.75370	321.31692	109.10197	6.32728	0.0532168	0.21877619	2.7277381	21	3 2.6	19.2
146577 2001 TP_{78}	15.4	X	73.95288	12.90705	59.27492	7.46083	0.0335720	0.21381525	2.7697693	21	1 12.4	19.1
146578 2001 TX_{87}	16.2	X	158.10410	74.31178	275.75096	4.20772	0.0825294	0.21825641	2.7320672	21	1 19.1	20.1
146579 2001 TF_{88}	15.7	X	192.12379	28.39050	319.06813	4.41520	0.0656226	0.22262761	2.6961871	21	2 19.9	19.6
146580 2001 TC_{89}	16.3	X	110.91563	191.63517	315.18759	2.94933	0.1130151	0.23141010	2.6275310	21	6 16.5	19.9
146581 2001 TU_{94}	16.0	X	147.74386	91.21013	282.40303	4.48224	0.0615709	0.21878596	2.7276570	21	2 2.3	19.9
146582 2001 TA_{99}	15.6	X	59.45947	243.65287	269.13967	2.46558	0.1031218	0.22591625	2.6699578	21	4 10.4	18.7
146583 2001 TK_{99}	16.0	X	65.59608	138.06694	260.24039	3.67908	0.0927849	0.21105163	2.7938960	21	—	—
146584 2001 TQ_{101}	15.9	X	34.25281	250.95156	213.35086	4.88769	0.0744613	0.21525498	2.7574051	21	—	—
146585 2001 TY_{103}	15.6	X	108.91343	53.20558	288.46404	4.38634	0.0165718	0.20881206	2.8138374	21	—	—
146586 2001 TE_{123}	15.7	X	86.53624	199.10738	253.53394	10.84698	0.1555457	0.22228458	2.6989602	21	3 5.0	19.3
146587 2001 TJ_{125}	15.4	X	49.88514	198.65898	280.10543	7.88699	0.1190293	0.21798326	2.7343490	21	2 8.4	18.5
146588 2001 TC_{127}	16.1	X	140.17909	149.25455	163.97123	2.21636	0.2238778	0.21063611	2.7975692	21	—	—
146589 2001 TS_{138}	15.7	X	166.19431	348.11590	22.38463	11.88640	0.0862762	0.22468655	2.6796907	21	2 27.0	19.8
146590 2001 TU_{140}	16.4	X	103.65349	279.37769	132.91602	4.88413	0.1630346	0.21906606	2.7253314	21	2 12.4	20.0
146591 2001 TH_{143}	16.0	X	190.28766	299.47008	126.19543	4.17487	0.0449344	0.23260153	2.6185508	21	5 29.4	19.6
146592 2001 TQ_{143}	16.4	X	239.11659	283.25364	68.15839	5.09089	0.0875174	0.23012770	2.6372833	21	4 18.0	20.2
146593 2001 TD_{153}	15.4	X	155.70264	100.79552	71.03560	6.74849	0.1408913	0.24470453	2.5314812	21	9 11.9	19.5
146594 2001 TN_{153}	16.5	X	272.35326	271.47947	88.00404	6.08040	0.0753204	0.23504060	2.6004038	21	6 7.9	19.8
146595 2001 TB_{157}	16.3	X	67.12572	25.39586	151.76482	1.73194	0.1205833	0.22973422	2.6402938	21	5 30.7	19.4
146596 2001 TW_{159}	15.8	X	205.06908	230.44714	242.48720	12.71219	0.1290351	0.23877834	2.5731954	21	8 7.3	20.0
146597 2001 TA_{160}	15.1	X	27.83882	349.22058	123.83206	11.38707	0.1914870	0.21248296	2.7813351	21	—	—
146598 2001 TQ_{166}	15.0	X	12.82621	160.45545	260.42496	14.21103	0.1198726	0.20414241	2.8565854	21	—	—
146599 2001 TK_{168}	15.5	X	87.19262	106.32661	330.00900	8.24325	0.1438853	0.21522176	2.7576888	21	2 18.1	18.8
146600 2001 TJ_{169}	15.9	X	125.96302	48.37757	311.76217	7.14515	0.3050201	0.21351023	2.7724066	21	1 24.7	20.2
146601 2001 TS_{178}	15.8	X	111.16062	160.17920	327.46592	2.91154	0.0454412	0.22900341	2.6459080	21	5 11.4	19.4
146602 2001 TW_{188}	15.2	X	105.42520	47.30822	20.24666	5.85995	0.1202070	0.21758102	2.7377180	21	3 1.9	18.8
146603 2001 TC_{192}	15.0	X	85.47317	26.48876	33.12938	12.70376	0.1414819	0.21273250	2.7791596	21	1 29.7	18.7
146604 2001 TC_{194}	15.7	X	356.38087	299.61174	222.98465	8.00521	0.0587903	0.21722747	2.7406877	21	1 16.0	19.3
146605 2001 TO_{194}	15.0	X	136.38399	58.37436	30.06446	13.07265	0.1588245	0.22223640	2.6993504	21	5 3.9	19.2
146606 2001 TJ_{196}	15.5	X	210.27620	22.78721	93.10794	12.30942	0.1076510	0.24086652	2.5583017	21	8 28.6	19.4
146607 2001 TD_{197}	15.8	X	291.51667	322.11567	314.03334	3.97192	0.0150638	0.22324077	2.6912479	21	3 21.8	19.4
146608 2001 TO_{200}	15.7	X	71.48009	303.10264	140.26708	9.30395	0.1419763	0.21711631	2.7416231	21	2 1.9	18.9
146609 2001 TS_{200}	15.6	X	84.22007	331.07965	105.72047	9.47990	0.0821171	0.21901243	2.7257763	21	2 6.4	19.0
146610 2001 TB_{203}	15.4	X	45.93049	22.11474	74.57780	14.09966	0.1402729	0.21440843	2.7646584	21	1 7.5	18.5
146611 2001 TB_{205}	15.4	X	283.91152	233.83323	106.96513	12.82455	0.2974296	0.23654663	2.5893546	21	5 2.5	19.5
146612 2001 TJ_{208}	15.6	X	145.10844	315.68600	129.37433	7.61853	0.1021364	0.22497907	2.6773674	21	5 8.1	19.6
146613 2001 TA_{211}	15.8	X	87.72028	213.64153	238.98933	10.46193	0.1562609	0.22151110	2.7052395	21	3 7.9	19.4
146614 2001 TP_{211}	15.8	X	202.44268	102.64941	271.58688	10.44845	0.1734236	0.22960752	2.6412650	21	3 31.2	20.4
146615 2001 TK_{212}	15.8	X	53.32651	167.12854	287.88444	8.26216	0.2501055	0.21334706	2.7738200	21	1 26.7	18.1
146616 2001 TS_{213}	15.6	X	156.42082	240.69438	265.85926	8.88921	0.0691459	0.23767937	2.5811211	21	8 2.0	19.5
146617 2001 TJ_{222}	15.7	X	83.90598	22.05001	1.14349	5.79586	0.0351503	0.20951908	2.8075037	21	—	—
146618 2001 TV_{226}	15.7	X	279.91662	231.67040	89.83844	14.20426	0.1833083	0.23297369	2.6157614	21	4 19.6	19.7
146619 2001 TD_{227}	15.4	X	107.22234	95.94593	289.09302	10.63437	0.1154106	0.21712073	2.7415859	21	1 6.7	18.7
146620 2001 TK_{229}	15.7	X	213.64860	18.56000	40.20173	15.44369	0.0973975	0.23567825	2.5957113	21	6 11.3	19.8
146621 2001 TX_{229}	15.7	X	11.15255	229.42165	287.91331	3.71948	0.0567236	0.21865302	2.7287625	21	1 31.5	19.1
146622 2001 TX_{231}	16.2	X	2.07645	154.20323	266.37441	1.61497	0.0938748	0.20417504	2.8562811	21	—	—
146623 2001 TB_{237}	15.4	X	155.24339	65.46037	36.10088	15.16573	0.0686320	0.23326844	2.6135575	21	6 1.1	19.3
146624 2001 TR_{256}	15.8	X	170.38637	3.09887	31.11002	12.74721	0.1770570	0.22677205	2.6632363	21	4 4.4	20.2
146625 2001 TC_{257}	15.0	X	320.90721	305.87917	34.42080	11.08008	0.0884812	0.18489380	3.0515546	21	7 23.4	19.1
146626 2001 UN_{3}	15.9	X	123.89058	253.69617	112.67471	4.93201	0.0857762	0.21447919	2.7640503	21	—	—
146627 2001 UD_{12}	13.8	X	239.65057	270.88980	107.73135	26.14800	0.2859478	0.17651331	3.1473938	21	5 18.7	19.6
146628 2001 UJ_{12}	15.8	X	210.41559	116.94809	296.66511	2.13409	0.0726712	0.23187082	2.6240492	21	6 4.4	19.7
146629 2001 UX_{19}	15.8	X	142.30215	272.63875	113.50984	6.46309	0.0782368	0.22047942	2.7136719	21	2 15.6	19.6
146630 2001 UU_{23}	16.0	X	140.75099	106.56716	275.33215	8.19715	0.1420851	0.21873956	2.7280427	21	2 12.0	20.2
146631 2001 UJ_{34}	15.1	X	117.05129	48.51298	70.59923	13.99203	0.1293210	0.22593747	2.6697907	21	5 21.6	18.9
146632 2001 UG_{35}	15.3	X	72.38811	337.80057	86.41894	10.59039	0.1383278	0.21274797	2.7790249	21	1 10.4	18.5
146633 2001 UG_{38}	16.1	X	85.41703	219.88675	195.60388	6.11593	0.0868405	0.21545621	2.7556880	21	1 10.4	19.6
146634 2001 US_{42}	16.3	X	141.46619	255.08541	186.35279	1.40950	0.0589469	0.22648149	2.6655136	21	4 21.8	20.0
146635 2001 UM_{44}	15.4	X	47.57218	40.58025	42.69667	6.10729	0.0518026	0.21247908	2.7813689	21	—	—
146636 2001 UV_{45}	15.7	X	50.60036	74.74112	57.13618	8.75103	0.2007667	0.21717658	2.7411159	21	3 15.8	18.5
146637 2001 UP_{47}	16.4	X	209.70801	231.73712	138.62743	2.82630	0.1109019	0.22601333	2.6691932	21	4 9.4	20.4
146638 2001 UV_{51}	15.8	X	176.21349	244.28838	61.44727	3.90752	0.0739185	0.21316933	2.7753616	21	—	—
146639 2001 UH_{53}	15.0	X	106.52513	77.52618	83.15907	13.32664	0.2406764	0.22634479	2.6665867	21	7 15.8	19.2
146640 2001 UR_{61}	16.4	X	205.57484	336.53462	358.51831	1.88565	0.1003649	0.22258168	2.6965581	21	2 20.5	20.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146641 2001 US_{73}	15.6	X	145.69402	264.84690	67.69907	4.86698	0.1058442	0.21292227	2.7775081	21	—	—
146642 2001 UF_{74}	15.9	X	93.74228	21.00424	79.20487	4.12482	0.0431062	0.22134375	2.7066029	21	3 16.7	19.5
146643 2001 UZ_{74}	15.7	X	90.64724	72.26842	57.37924	13.08263	0.1401691	0.22312742	2.6921593	21	5 4.6	19.3
146644 2001 UA_{76}	14.7	X	40.40486	57.90138	59.18069	15.13883	0.1310301	0.21356112	2.7719662	21	1 29.4	18.1
146645 2001 US_{79}	16.0	X	174.78651	68.29408	58.07222	2.78952	0.0754124	0.23536210	2.5980352	21	7 31.1	19.8
146646 2001 UZ_{79}	16.0	X	176.53357	314.63963	70.24292	3.04998	0.0998710	0.22330110	2.6907632	21	3 25.2	20.1
146647 2001 UA_{80}	16.6	X	197.78126	216.93571	162.13220	2.27324	0.1634575	0.22605645	2.6688538	21	4 7.9	20.8
146648 2001 UM_{80}	16.1	X	232.99467	289.94931	43.40296	3.80681	0.2162742	0.22644217	2.6658222	21	3 13.5	20.6
146649 2001 UD_{89}	15.6	X	268.29170	229.89679	97.04309	12.70888	0.1952527	0.23060397	2.6336508	21	4 12.4	19.8
146650 2001 UO_{92}	15.5	X	181.68122	262.10499	132.85139	3.57272	0.0842035	0.22457656	2.6805656	21	4 11.5	19.5
146651 2001 UD_{94}	15.5	X	97.72674	241.58321	107.02956	8.43456	0.2418189	0.20899685	2.8121786	21	—	—
146652 2001 UZ_{99}	15.5	X	175.99199	251.60561	91.28318	4.68959	0.1487088	0.21752654	2.7381750	21	2 4.8	19.9
146653 2001 UD_{101}	16.0	X	358.00450	53.25369	194.37058	2.92488	0.0927920	0.23287745	2.6164820	21	5 10.9	18.9
146654 2001 UG_{101}	15.9	X	78.27328	173.31919	42.14204	1.64772	0.0953744	0.23841792	2.5757880	21	8 5.0	19.1
146655 2001 UV_{104}	14.9	X	333.93098	165.33288	37.20586	14.91447	0.2265545	0.21934009	2.7230610	21	1 16.1	18.6
146656 2001 US_{105}	16.2	X	143.42169	221.46127	114.40353	1.61550	0.0768267	0.21280813	2.7785011	21	—	—
146657 2001 UB_{114}	16.1	X	64.09989	304.68603	44.09826	2.65420	0.0769587	0.20318397	2.8655616	21	12 29.3	20.2
146658 2001 UJ_{114}	16.0	X	111.96998	167.59907	198.80492	5.53520	0.1214914	0.21215367	2.7842124	21	—	—
146659 2001 UD_{122}	15.3	X	31.50665	286.02351	200.27668	2.65231	0.0719078	0.21394562	2.7686440	21	1 21.6	18.7
146660 2001 UP_{129}	15.8	X	34.32173	331.94806	162.65847	4.63203	0.0771616	0.21916687	2.7244956	21	2 4.5	19.2
146661 2001 UW_{129}	16.4	X	231.17680	121.41998	123.30464	2.11577	0.1469631	0.26377494	2.4079476	21	—	—
146662 2001 UK_{133}	16.3	X	219.35021	358.96933	352.67720	1.49955	0.1083361	0.22683217	2.6627657	21	3 25.5	20.4
146663 2001 UD_{137}	16.0	X	102.26309	90.21734	298.18258	3.76598	0.0806330	0.21308203	2.7761196	21	—	—
146664 2001 UK_{141}	15.8	X	10.64178	287.74100	201.80363	8.71956	0.1102818	0.21282399	2.7783631	21	—	—
146665 2001 UF_{151}	15.7	X	83.94130	288.97842	210.04162	8.40748	0.2295869	0.22067162	2.7120960	21	5 21.3	19.2
146666 2001 UW_{162}	15.7	X	60.80196	89.38935	51.76047	12.53357	0.1727012	0.21889945	2.7267141	21	4 12.7	18.8
146667 2001 UW_{163}	15.8	X	231.94574	29.81385	143.83050	4.94614	0.0848607	0.25499915	2.4628818	21	12 8.5	19.0
146668 2001 UG_{168}	15.3	X	291.43892	48.33152	325.47418	10.69832	0.2754007	0.23721973	2.5844542	21	6 22.5	18.9
146669 2001 UO_{173}	16.2	X	52.27157	56.97585	76.32351	3.44757	0.0848331	0.21911104	2.7249584	21	3 5.8	19.5
146670 2001 UT_{174}	15.9	X	5.85873	144.87033	44.53790	2.73015	0.0347113	0.22051731	2.7133611	21	3 9.6	19.3
146671 2001 UH_{185}	15.8	X	95.85914	133.58957	278.64287	8.05801	0.1469871	0.21826996	2.7319541	21	1 28.3	19.2
146672 2001 UH_{201}	16.5	X	295.25962	37.78594	270.97049	1.15483	0.0788869	0.23158833	2.6261827	21	4 29.8	19.9
146673 2001 UM_{204}	16.1	X	124.93094	110.35347	247.22548	2.87028	0.1091779	0.21304564	2.7764357	21	—	—
146674 2001 UL_{205}	15.9	X	114.41296	345.49596	24.36867	3.71259	0.1015408	0.21250356	2.7811553	21	—	—
146675 2001 UV_{214}	16.3	X	354.75235	204.17830	69.91392	4.56145	0.1823507	0.23508164	2.6001011	21	6 7.8	18.4
146676 2001 UG_{216}	16.0	X	347.15506	340.90493	80.23101	4.99850	0.0874518	0.20422677	2.8557988	21	12 18.2	19.5
146677 2001 UR_{217}	15.8	X	60.65309	98.76095	53.53799	10.82251	0.1499273	0.22092685	2.7100068	21	4 22.6	18.9
146678 2001 UE_{221}	16.3	X	334.78482	103.98105	63.04693	1.36744	0.0123200	0.21357110	2.7718798	21	1 1.7	20.0
146679 2001 UF_{224}	15.6	X	4.31269	281.70328	137.40620	12.73804	0.0507928	0.20198757	2.8768659	21	—	—
146680 2001 VQ_{7}	16.3	X	132.91300	124.77307	52.10991	1.55034	0.0847650	0.23594503	2.5937542	21	8 19.4	20.0
146681 2001 VU_{11}	15.1	X	59.54648	97.75058	262.64899	13.59569	0.1680919	0.20346615	2.8629116	21	—	—
146682 2001 VT_{12}	15.4	X	124.91924	92.16792	289.76225	10.18458	0.1946762	0.21434100	2.7652382	21	2 3.0	19.5
146683 2001 VB_{19}	15.4	X	82.45864	81.18056	37.37868	5.22872	0.1047755	0.22055685	2.7130367	21	4 2.5	18.8
146684 2001 VN_{20}	15.5	X	211.74668	245.48518	252.73330	1.81484	0.0846257	0.24090392	2.5580369	21	9 25.0	19.0
146685 2001 VG_{26}	15.6	X	133.81001	128.06712	237.55165	4.99342	0.2687333	0.21465945	2.7625026	21	2 1.3	20.0
146686 2001 VW_{37}	15.9	X	65.72647	307.84247	353.12995	1.66523	0.0401063	0.24502960	2.5292418	21	11 2.9	19.0
146687 2001 VC_{39}	15.9	X	133.16856	317.11216	54.08256	4.00653	0.1126622	0.21355203	2.7720448	21	1 22.9	19.8
146688 2001 VG_{48}	15.5	X	353.41092	89.33849	258.68009	0.87922	0.2371668	0.24168690	2.5525092	21	10 7.9	17.3
146689 2001 VB_{56}	16.1	X	229.31117	65.21020	307.59115	4.15356	0.1488493	0.22929960	2.6436291	21	4 27.1	20.2
146690 2001 VB_{58}	15.6	X	223.55680	313.70971	16.15364	3.77594	0.2521676	0.22484135	2.6784606	21	2 28.9	20.3
146691 2001 VC_{61}	16.3	X	178.31832	49.96854	302.23382	5.31601	0.0831334	0.21836896	2.7311283	21	2 12.1	20.4
146692 2001 VV_{67}	15.6	X	160.00911	208.62855	286.84185	9.88892	0.0555108	0.23578694	2.5949135	21	7 23.7	19.4
146693 2001 VA_{69}	16.3	X	77.84223	73.78646	42.05347	3.38217	0.1460609	0.21913639	2.7247482	21	3 29.2	19.5
146694 2001 VJ_{69}	15.1	X	205.11446	54.62887	295.20871	12.93726	0.1749856	0.22241298	2.6979214	21	3 3.8	19.8
146695 2001 VG_{71}	15.9	X	293.65215	340.72201	299.48496	18.00943	0.0708273	0.36893434	1.9253218	21	2 20.3	18.3
146696 2001 VZ_{71}	15.9	X	221.03811	304.34074	25.92315	4.01733	0.2125441	0.22363997	2.6880444	21	2 28.7	20.4
146697 2001 VU_{73}	15.8	X	271.10233	29.40585	291.49099	13.42699	0.0971688	0.22960419	2.6412905	21	4 5.3	20.0
146698 2001 VY_{87}	15.6	X	244.76872	255.29821	125.71753	7.00581	0.0451893	0.23236867	2.6202999	21	6 6.5	19.2
146699 2001 VP_{100}	15.6	X	92.30112	326.48124	88.09368	16.62163	0.1011678	0.21335469	2.7737539	21	1 23.9	19.3
146700 2001 VU_{100}	15.1	X	217.71844	113.28915	348.30272	15.34785	0.2032365	0.23749950	2.5824242	21	8 10.2	19.4
146701 2001 VJ_{101}	15.7	X	18.21372	131.73237	345.57152	3.79287	0.0185187	0.21224310	2.7834301	21	—	—
146702 2001 VA_{109}	16.4	X	164.96261	18.85849	339.64657	2.58214	0.1913856	0.21760973	2.7374772	21	2 15.3	20.6
146703 2001 VY_{112}	15.8	X	102.72491	68.27925	307.29516	2.96234	0.1122984	0.20959836	2.8067956	21	—	—
146704 2001 VU_{113}	15.7	X	58.81459	40.86351	334.38607	1.25870	0.0787014	0.20302585	2.8670492	21	—	—
146705 2001 VM_{125}	15.9	X	236.93870	301.47758	316.38442	0.75098	0.0857009	0.21285236	2.7781162	21	—	—
146706 2001 WM_{6}	15.5	X	78.42414	127.79579	339.21290	8.62756	0.1329929	0.21887277	2.7269357	21	3 13.6	18.8
146707 2001 WN_{6}	15.3	X	149.52215	234.41331	253.72003	16.95511	0.0532669	0.23285573	2.6166448	21	6 29.9	19.1
146708 2001 WT_{6}	16.1	X	51.21818	96.95978	326.73036	1.65871	0.0515638	0.20955995	2.8071386	21	—	—
146709 2001 WV_{11}	15.6	X	192.40533	275.02044	91.06440	7.08536	0.0395865	0.22104267	2.7090601	21	3 19.2	19.5
146710 2001 WA_{13}	15.7	X	117.58126	300.65613	107.41242	6.42045	0.0793468	0.21517992	2.7580463	21	2 14.5	19.5
146711 2001 WN_{13}	15.6	X	281.12375	224.13643	116.72543	15.98841	0.2098283	0.23092157	2.6312354	21	5 11.9	19.7
146712 2001 WQ_{20}	15.3	X	103.83769	359.94014	78.83367	10.61946	0.0722476	0.21786251	2.7353593	21	3 10.7	19.1
146713 2001 WZ_{26}	15.0	X	254.55841	310.40927	68.66788	15.97417	0.0501276	0.23146654	2.6271039	21	6 13.8	18.7
146714 2001 WM_{28}	15.7	X	57.18984	259.26897	209.05388	5.48788	0.1111172	0.21414858	2.7668944	21	2 7.5	19.0
146715 2001 WV_{34}	15.3	X	348.99369	117.70144	72.52273	14.27318	0.1459118	0.21554411	2.7549388	21	2 6.3	18.8
146716 2001 WA_{51}	15.9	X	111.79023	326.27620	249.60243	2.03140	0.0233384	0.24108329	2.5567679	21	9 7.1	19.3
146717 2001 WU_{62}	16.1	X	172.78039	306.17714	41.49040	2.62893	0.0930817	0.21647940	2.7469979	21	2 3.7	20.3
146718 2001 WJ_{78}	16.3	X	231.94243	263.03334	75.89421	6.99792	0.0386953	0.22293222	2.6937306	21	3 31.0	20.1
146719 2001 WQ_{83}	15.6	X	166.99417	143.99310	81.09162	3.48610	0.0051004	0.19688264	2.9263825	21	11 22.3	19.5
146720 2001 WC_{87}	15.9	X	135.81094	159.21621	313.68239	3.13465	0.1750132	0.22718260	2.6600268	21	6 6.2	20.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146721 2001 XF_{8}	15.1	X	188.81616	326.15223	100.83435	2.47132	0.1990051	0.17641111	3.1486092	21	5 30.4	20.4
146722 2001 XA_{9}	15.6	X	330.34834	252.79084	294.94374	8.24939	0.1601862	0.21082991	2.7958545	21	1 1.9	19.3
146723 2001 XN_{11}	14.8	X	178.87996	140.66900	276.07649	20.79227	0.0595515	0.22564591	2.6720900	21	4 28.6	19.1
146724 2001 XC_{24}	15.1	X	30.64667	58.43591	68.43447	12.65360	0.1864320	0.21003758	2.8028813	21	1 23.6	18.1
146725 2001 XG_{30}	16.2	X	104.35609	235.99499	274.85396	19.73138	0.0637480	0.37258335	1.9127304	21	5 30.9	18.1
146726 2001 XT_{33}	16.0	X	123.27021	300.78285	91.86800	4.57989	0.0984112	0.21320921	2.7750155	21	2 4.9	19.9
146727 2001 XD_{35}	15.2	X	179.74088	120.89693	282.10262	12.05247	0.1814180	0.22489968	2.6779974	21	4 15.9	20.0
146728 2001 XU_{36}	15.8	X	34.05285	93.46120	29.36903	8.93529	0.2366949	0.21060119	2.7978784	21	1 25.7	18.4
146729 2001 XW_{37}	14.4	X	131.81548	246.53036	281.65996	16.30055	0.1038760	0.17580849	3.1558001	21	8 1.3	19.4
146730 2001 XD_{45}	15.5	X	274.26919	81.49227	329.17381	10.97839	0.1070115	0.18383553	3.0632545	21	8 13.5	19.8
146731 2001 XE_{51}	16.3	X	128.39926	305.60542	76.51634	1.67681	0.0816374	0.21417612	2.7666572	21	1 25.8	20.2
146732 2001 XH_{51}	16.1	X	118.30720	258.41886	132.80124	1.13349	0.0797933	0.21360353	2.7715992	21	1 24.1	19.9
146733 2001 XE_{52}	14.9	X	2.25021	98.39540	232.48257	4.31329	0.2583916	0.19232678	2.9724157	21	9 22.9	17.7
146734 2001 XG_{55}	15.6	X	95.93494	329.00870	86.34378	5.13779	0.0961678	0.21234797	2.7825137	21	1 29.1	19.1
146735 2001 XQ_{63}	15.4	X	273.97094	192.92437	262.48553	4.34136	0.1680079	0.18923537	3.0047004	21	9 27.7	19.5
146736 2001 XS_{71}	15.2	X	348.47807	259.65973	218.93469	12.16746	0.1465120	0.20433897	2.8547533	21	—	—
146737 2001 XK_{73}	15.6	X	32.07621	317.05450	128.85694	3.04339	0.0592726	0.20818789	2.8194588	21	—	—
146738 2001 XL_{81}	15.0	X	27.55098	319.58766	123.20878	10.22158	0.1060678	0.20570629	2.8420889	21	—	—
146739 2001 XQ_{86}	15.4	X	302.46483	290.47078	122.80869	10.70405	0.3008331	0.18826362	3.0150310	21	8 29.4	18.9
146740 2001 XC_{89}	14.8	X	8.32515	67.91474	257.41418	9.14038	0.1197210	0.19181496	2.9777009	21	9 11.6	18.6
146741 2001 XD_{93}	16.0	X	103.35407	136.25823	263.18381	2.41583	0.0982367	0.21257725	2.7805125	21	1 17.8	19.5
146742 2001 XS_{110}	15.8	X	75.94002	47.25607	72.97940	10.08228	0.1410118	0.21948758	2.7218410	21	4 4.8	19.3
146743 2001 XX_{116}	15.3	X	249.62776	10.36616	86.68997	14.44440	0.0794265	0.18493399	3.0511125	21	9 21.6	19.9
146744 2001 XZ_{118}	15.1	X	263.93814	14.76878	72.95190	8.42741	0.1359991	0.18522009	3.0479698	21	9 16.3	19.5
146745 2001 XV_{129}	15.7	X	155.64006	252.29799	72.54174	8.47968	0.2228997	0.21184732	2.7868958	21	1 1.9	20.2
146746 2001 XO_{131}	15.8	X	277.42931	49.42397	73.02068	2.96203	0.0653992	0.19653192	2.9298630	21	11 23.9	19.5
146747 2001 XV_{132}	15.4	X	278.46687	289.14217	164.23329	2.24616	0.1196981	0.19221761	2.9735411	21	10 11.8	19.4
146748 2001 XB_{136}	16.0	X	129.75328	315.16920	89.85526	5.31177	0.0988009	0.21608498	2.7503396	21	2 28.8	19.9
146749 2001 XL_{136}	14.9	X	132.51662	112.23230	76.38578	14.84354	0.2104581	0.18155934	3.0888038	21	9 14.7	20.3
146750 2001 XN_{141}	15.8	X	214.72674	236.97686	87.36387	3.84266	0.1824987	0.21948304	2.7218785	21	2 17.5	20.3
146751 2001 XO_{141}	16.1	X	202.30550	275.62281	86.92490	3.47913	0.0963137	0.22157529	2.7047170	21	3 24.4	20.2
146752 2001 XU_{143}	15.8	X	43.92963	89.08805	264.61826	0.89099	0.1186257	0.19799567	2.9154051	21	12 15.7	19.7
146753 2001 XX_{145}	15.3	X	210.06643	143.54042	88.79076	3.05765	0.0309149	0.20162248	2.8803378	21	—	—
146754 2001 XT_{147}	15.2	X	267.51486	13.59339	91.05655	12.29080	0.0985399	0.19129382	2.9831065	21	10 19.9	19.5
146755 2001 XM_{152}	15.4	X	131.04932	267.45894	92.24691	11.89953	0.2372165	0.21153017	2.7896808	21	1 22.4	19.6
146756 2001 XP_{159}	14.9	X	190.45042	252.69097	255.90959	7.70757	0.0913492	0.18401511	3.0612613	21	9 6.7	19.7
146757 2001 XB_{163}	15.2	X	342.37350	4.58838	108.25482	3.20874	0.0279056	0.20297550	2.8675234	21	—	—
146758 2001 XX_{164}	15.3	X	15.37042	353.52938	84.00137	10.28116	0.0836203	0.20280937	2.8690891	21	—	—
146759 2001 XP_{167}	15.2	X	168.86636	165.91993	123.59492	3.03049	0.0413369	0.20314124	2.8659635	21	—	—
146760 2001 XZ_{170}	15.4	X	196.88808	261.45119	122.20648	2.60822	0.1758890	0.17274205	3.1930374	21	4 17.0	20.6
146761 2001 XH_{180}	15.6	X	274.58806	241.95139	232.25845	3.87261	0.2068578	0.19131736	2.9828618	21	10 18.3	19.5
146762 2001 XW_{184}	14.9	X	224.22488	158.28630	285.26778	8.82492	0.0601948	0.17903295	3.1177939	21	7 29.3	19.5
146763 2001 XF_{193}	15.4	X	212.40013	14.66040	119.62621	12.37355	0.2118400	0.18299673	3.0726080	21	9 10.7	20.6
146764 2001 XX_{194}	14.9	X	287.38866	112.83139	277.93889	10.91415	0.1608690	0.18188561	3.0851088	21	7 25.1	19.0
146765 2001 XE_{199}	14.9	X	186.04560	31.80210	122.83034	12.10497	0.0902130	0.18227633	3.0806985	21	9 17.3	19.7
146766 2001 XU_{201}	16.5	X	285.74335	46.82478	231.01102	1.02023	0.0321959	0.22126302	2.7072612	21	3 15.6	20.3
146767 2001 XC_{202}	15.2	X	95.79850	8.16524	63.29219	27.27349	0.1411049	0.21803036	2.7339552	21	3 12.2	19.5
146768 2001 XU_{203}	15.6	X	64.31505	294.96954	118.30144	5.08678	0.0963861	0.21012905	2.8020679	21	—	—
146769 2001 XX_{215}	15.3	X	4.93543	10.89113	80.24504	13.58628	0.0398806	0.20349279	2.8626617	21	—	—
146770 2001 XN_{217}	15.5	X	90.14257	305.68949	104.47874	10.56361	0.1666318	0.20864271	2.8153598	21	1 25.1	19.0
146771 2001 XO_{220}	15.5	X	29.25606	72.70393	273.84995	8.39816	0.0882951	0.19598163	2.9353449	21	11 10.9	19.5
146772 2001 XD_{221}	16.1	X	16.68346	112.61708	18.23875	4.37981	0.0547959	0.21354909	2.7720703	21	1 8.0	19.6
146773 2001 XO_{221}	15.4	X	194.76108	22.38426	284.01950	3.46071	0.1015729	0.21443494	2.7644305	21	1 7.4	19.5
146774 2001 XK_{224}	16.1	X	130.63956	297.80654	62.06129	2.31743	0.1049738	0.21151248	2.7898363	21	1 4.6	20.0
146775 2001 XD_{226}	16.1	X	102.23126	146.37811	261.23144	3.33542	0.0649890	0.21280656	2.7785148	21	1 21.5	19.8
146776 2001 XO_{230}	15.9	X	11.91883	141.12331	4.73433	0.96273	0.0175147	0.21286156	2.7780361	21	1 22.5	19.6
146777 2001 XT_{230}	15.3	X	159.64801	78.95298	61.27345	10.10026	0.2315001	0.17806232	3.1291138	21	8 5.8	20.8
146778 2001 XX_{231}	15.5	X	304.35811	164.69216	58.00840	5.83340	0.0338931	0.21403628	2.7678621	21	1 31.6	19.3
146779 2001 XK_{234}	15.3	X	161.63722	66.53261	283.75180	7.75291	0.1674890	0.21437906	2.7649109	21	1 30.5	19.7
146780 2001 XK_{235}	15.7	X	328.52912	30.55118	60.05625	4.62926	0.1360892	0.19855221	2.9099548	21	12 26.8	18.9
146781 2001 XM_{235}	15.6	X	334.65632	333.42076	49.91079	2.14197	0.1297222	0.19151581	2.9808008	21	10 7.8	18.9
146782 2001 XQ_{241}	16.0	X	162.85644	144.32079	227.79524	2.31745	0.0715955	0.21737420	2.7394543	21	2 18.9	20.0
146783 2001 XR_{241}	15.8	X	172.49560	174.78275	90.87606	3.26613	0.0218079	0.20323145	2.8651153	21	—	—
146784 2001 XE_{245}	15.7	X	208.69609	39.18493	246.07159	13.38890	0.0765051	0.21394522	2.7686474	21	—	—
146785 2001 XA_{253}	14.7	X	116.77519	259.41558	286.87575	8.34638	0.1558550	0.17383193	3.1796771	21	8 14.2	19.7
146786 2001 XF_{267}	14.9	X	312.24456	277.64481	68.85641	12.94955	0.0866407	0.17946175	3.1128256	21	7 16.7	19.1
146787 2001 YB_{9}	15.6	X	115.85681	343.53951	22.71681	4.41856	0.0953729	0.20909292	2.8113171	21	—	—
146788 2001 YS_{9}	15.1	X	243.91581	91.93732	75.96652	11.96454	0.0098566	0.19530870	2.9420835	21	12 14.3	19.1
146789 2001 YW_{16}	15.8	X	314.16712	4.53714	88.83520	3.80524	0.0624993	0.19578178	2.9373421	21	12 8.4	19.6
146790 2001 YZ_{19}	15.5	X	295.55317	286.93891	125.92939	11.74376	0.1348331	0.19091316	2.9870704	21	9 14.5	19.4
146791 2001 YA_{22}	15.8	X	172.29160	261.60057	70.05189	7.43072	0.0638686	0.21324120	2.7747379	21	1 12.7	19.9
146792 2001 YK_{24}	15.8	X	293.75217	254.01540	322.65096	2.25072	0.0636015	0.21209674	2.7847105	21	1 5.9	19.8
146793 2001 YP_{30}	15.3	X	187.65830	197.69952	72.19972	16.28804	0.1053879	0.20528905	2.8459386	21	—	—
146794 2001 YB_{35}	15.6	X	147.22879	266.16887	74.81455	8.54981	0.1197839	0.21037212	2.7999091	21	1 2.5	19.7
146795 2001 YY_{36}	15.0	X	147.84058	278.79669	267.82421	9.89080	0.0359795	0.18599789	3.0394665	21	9 5.9	19.6
146796 2001 YA_{42}	15.8	X	150.75819	49.27153	323.44438	4.06602	0.0346979	0.21348347	2.7726383	21	2 3.7	19.7
146797 2001 YZ_{42}	16.1	X	228.97288	50.78729	51.94583	2.41568	0.1146302	0.18437628	3.0572622	21	8 24.9	20.6
146798 2001 YT_{43}	15.6	X	257.53253	317.72816	301.52212	3.30961	0.0207606	0.21187842	2.7866231	21	1 20.3	19.4
146799 2001 YV_{45}	15.9	X	28.10054	263.85895	282.31371	3.83104	0.0486029	0.21924434	2.7238538	21	4 2.9	19.4
146800 2001 YW_{45}	15.5	X	91.39775	82.77404	270.54958	13.43946	0.1663693	0.20421422	2.8559158	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146801 2001 YS_{46}	15.1	X	116.67760	326.58952	274.58066	9.37171	0.0913810	0.18919965	3.0050786	21	10 13.7	19.8
146802 2001 YG_{48}	15.5	X	155.68292	263.58083	70.65087	4.57019	0.0963693	0.20921166	2.8102533	21	1 1.1	19.6
146803 2001 YL_{50}	15.5	X	24.09128	58.74010	322.99614	1.25910	0.0903904	0.19727383	2.9225126	21	12 20.2	19.4
146804 2001 YP_{56}	16.1	X	120.44998	1.19757	15.93464	2.94484	0.2325700	0.21229252	2.7829982	21	1 31.6	20.1
146805 2001 YR_{69}	14.8	X	173.54517	254.71739	292.54723	9.91690	0.1275067	0.18632868	3.0358682	21	10 4.5	19.8
146806 2001 YT_{69}	15.9	X	74.19405	2.46851	43.28692	2.72452	0.0643272	0.20532337	2.8456214	21	—	—
146807 2001 YF_{75}	15.0	X	157.69229	304.92025	275.23567	9.34932	0.0544560	0.19058986	2.9904475	21	10 31.7	19.7
146808 2001 YW_{81}	15.0	X	20.24723	260.10524	96.40644	11.01797	0.0926052	0.19047046	2.9916971	21	11 15.5	18.9
146809 2001 YZ_{81}	15.9	X	3.50398	176.57990	26.62460	2.84063	0.1101375	0.21431117	2.7654948	21	3 20.3	18.9
146810 2001 YE_{82}	15.5	X	23.45519	129.30118	301.01522	10.14682	0.1093931	0.20116938	2.8846611	21	—	—
146811 2001 YD_{90}	14.6	X	324.50064	210.46789	79.40770	7.04347	0.1174437	0.17151700	3.2082234	21	5 17.5	18.6
146812 2001 YP_{92}	15.7	X	93.34709	264.88090	59.25217	2.86909	0.0737318	0.20052466	2.8908409	21	12 31.5	20.0
146813 2001 YM_{93}	15.0	X	35.39007	340.40961	297.23857	8.21287	0.0667693	0.17933410	3.1143025	21	8 17.8	19.1
146814 2001 YV_{95}	15.1	X	279.23313	37.02860	64.64347	3.10877	0.0134966	0.19033464	2.9931202	21	11 6.1	19.2
146815 2001 YP_{101}	15.7	X	73.75044	4.92572	158.83544	2.56784	0.0695506	0.22123900	2.7074571	21	5 15.1	19.2
146816 2001 YL_{105}	15.9	X	142.18310	253.91598	147.81485	2.32098	0.1099296	0.21422406	2.7662444	21	3 10.4	19.8
146817 2001 YR_{108}	15.1	X	327.06707	307.12829	77.32965	8.85248	0.0508242	0.18944230	3.0025120	21	10 4.2	19.1
146818 2001 YL_{115}	14.6	X	90.08780	74.58946	101.36073	20.65730	0.0886274	0.17113760	3.2129632	21	6 26.8	19.1
146819 2001 YO_{117}	15.0	X	253.41982	311.87172	92.01549	5.66008	0.0832674	0.17794025	3.1305448	21	7 12.3	19.5
146820 2001 YQ_{125}	15.0	X	210.85532	47.82909	56.86564	11.57794	0.1103314	0.18189066	3.0850517	21	8 11.8	19.9
146821 2001 YC_{129}	15.2	X	206.01866	106.89899	66.06634	10.95465	0.0479341	0.19058039	2.9905466	21	11 2.6	19.5
146822 2001 YF_{130}	14.8	X	272.70320	277.28819	83.03986	17.28855	0.1073670	0.17701146	3.1414860	21	6 7.3	19.2
146823 2001 YD_{137}	15.7	X	119.02908	163.03387	344.44940	6.94041	0.2306252	0.22521275	2.6755151	21	7 10.7	20.0
146824 2001 YP_{140}	14.1	X	219.55799	42.02244	332.75964	14.34836	0.1375439	0.22766629	2.6562578	21	4 15.5	18.6
146825 2001 YC_{144}	15.4	X	313.81922	210.43402	185.05330	1.85967	0.1155265	0.18790246	3.0188931	21	9 18.4	19.1
146826 2001 YK_{145}	15.2	X	293.93984	48.80920	326.16646	11.00395	0.1467504	0.18134282	3.0912619	21	7 19.8	19.3
146827 2001 YW_{145}	15.1	X	242.94158	73.73315	320.50795	10.40688	0.1904251	0.23307578	2.6149976	21	6 4.1	19.4
146828 2001 YL_{155}	14.5	X	299.87337	0.55251	40.02664	13.54350	0.0240505	0.18640864	3.0349999	21	9 21.2	18.8
146829 2002 AB_{5}	14.7	X	90.32179	176.92573	31.35800	13.37178	0.4328778	0.17394459	3.1783040	21	9 18.8	20.3
146830 2002 AT_{8}	16.2	X	349.67972	283.76720	153.63171	2.39283	0.0711431	0.19684499	2.9267556	21	—	—
146831 2002 AV_{11}	16.1	X	346.90236	335.20615	276.19710	17.65141	0.0459587	0.37051456	1.9198437	21	4 2.6	18.5
146832 2002 AZ_{23}	15.3	X	77.75090	281.30634	136.06372	15.61687	0.1401219	0.20602517	2.8391556	21	1 11.5	18.8
146833 2002 AK_{25}	16.4	X	164.64656	121.82141	284.51449	18.47257	0.1229881	0.36722282	1.9312994	21	3 11.5	19.3
146834 2002 AY_{31}	15.9	X	302.07128	199.67659	75.66568	6.48694	0.0729880	0.22519981	2.6756175	21	3 30.9	19.5
146835 2002 AF_{40}	15.6	X	191.46127	318.63453	258.59144	3.50534	0.0893619	0.19099671	2.9861993	21	12 3.8	20.0
146836 2002 AR_{40}	15.8	X	95.21221	294.60601	143.13097	4.65279	0.0666996	0.21008281	2.8024791	21	2 21.0	19.5
146837 2002 AN_{41}	15.1	X	225.76630	151.31691	297.76681	10.42596	0.1777464	0.17904578	3.1176449	21	7 28.2	20.0
146838 2002 AR_{43}	15.9	X	246.46716	293.54778	119.92665	14.76808	0.2291042	0.18105458	3.0945420	21	6 30.4	20.9
146839 2002 AK_{49}	14.9	X	338.10516	169.60678	123.43921	12.17202	0.0606248	0.17315611	3.1879451	21	6 17.0	19.2
146840 2002 AN_{49}	16.1	X	201.92616	1.96341	126.58204	4.07091	0.1358975	0.18007799	3.1057200	21	8 26.9	20.9
146841 2002 AP_{49}	15.3	X	134.73039	274.51837	294.47550	0.64660	0.1635931	0.18172419	3.0869355	21	9 30.4	20.3
146842 2002 AA_{50}	15.4	X	44.50141	53.88859	289.81168	9.34875	0.0843278	0.19054640	2.9909022	21	11 26.7	19.6
146843 2002 AP_{68}	15.9	X	84.91143	349.59411	337.29254	1.10121	0.0987530	0.19459621	2.9492605	21	12 27.1	20.2
146844 2002 AP_{79}	15.4	X	99.19628	189.59326	88.91208	3.90070	0.1045640	0.18972535	2.9995249	21	11 15.3	19.8
146845 2002 AG_{82}	15.8	X	139.04529	343.74983	160.00600	3.80786	0.1936266	0.22669287	2.6638564	21	7 19.7	20.1
146846 2002 AM_{83}	15.1	X	304.28917	285.22366	133.12588	9.92876	0.0962512	0.18981002	2.9986328	21	10 10.4	19.0
146847 2002 AV_{84}	14.6	X	352.73457	138.33202	138.36032	11.83378	0.0309574	0.17384145	3.1795610	21	6 17.9	19.0
146848 2002 AC_{85}	15.2	X	201.08527	322.91712	153.34801	7.32453	0.1267067	0.17920696	3.1157753	21	8 10.2	20.1
146849 2002 AX_{98}	15.0	X	41.81122	238.22459	99.21267	9.86342	0.1062934	0.18960757	3.0007670	21	11 21.9	19.2
146850 2002 AT_{99}	14.8	X	290.61903	24.02930	323.97207	8.31053	0.0645826	0.17504406	3.1649811	21	6 20.5	19.3
146851 2002 AK_{104}	16.2	X	342.41242	314.83788	118.48592	3.05587	0.0584281	0.19460883	2.9491329	21	12 22.9	19.8
146852 2002 AQ_{109}	15.4	X	282.08587	353.02910	101.44406	2.88665	0.1067021	0.18830370	3.0146031	21	10 20.3	19.4
146853 2002 AY_{110}	15.4	X	159.55669	125.36534	41.96370	2.79932	0.0493884	0.17919070	3.1159638	21	9 1.9	20.1
146854 2002 AO_{115}	15.0	X	151.31838	152.22825	316.25637	9.55577	0.0714251	0.17075286	3.2177877	21	6 10.4	19.9
146855 2002 AH_{121}	15.4	X	158.80358	143.19714	1.87869	2.56762	0.2227608	0.17382502	3.1797614	21	8 8.4	20.8
146856 2002 AD_{124}	15.0	X	241.02274	130.08558	332.16988	15.88181	0.1446616	0.18103549	3.0947595	21	8 31.5	19.7
146857 2002 AD_{127}	16.0	X	230.38238	245.93295	161.05556	2.70978	0.1393725	0.17655691	3.1468756	21	6 14.7	21.0
146858 2002 AA_{148}	15.2	X	304.46593	342.77961	55.41755	11.77300	0.1325041	0.18602523	3.0391688	21	9 11.8	19.2
146859 2002 AB_{149}	15.4	X	54.10317	357.53416	143.33193	9.24819	0.2112502	0.21040937	2.7995786	21	4 5.9	18.4
146860 2002 AL_{149}	15.6	X	169.98438	125.45810	106.84694	11.30417	0.0271729	0.19224419	2.9732669	21	12 4.2	19.9
146861 2002 AS_{151}	15.2	X	204.30112	104.47424	95.55070	3.01827	0.1518189	0.18842872	3.0132696	21	11 21.6	20.0
146862 2002 AV_{152}	14.7	X	108.98429	105.32490	126.82313	8.25995	0.1116179	0.17918461	3.1160344	21	10 3.0	19.5
146863 2002 AW_{162}	15.3	X	291.11817	163.09491	297.82445	9.17036	0.0805819	0.18910697	3.0060604	21	11 9.3	19.4
146864 2002 AX_{165}	15.1	X	306.88301	56.07147	150.26008	6.84217	0.1480871	0.20239199	2.8730322	21	—	—
146865 2002 AB_{173}	15.6	X	237.55186	136.10539	346.48134	0.72533	0.1127814	0.18540681	3.0459231	21	9 27.0	20.0
146866 2002 AO_{174}	15.6	X	270.21502	80.03836	336.65284	4.30254	0.1366546	0.18140853	3.0905154	21	8 11.2	20.0
146867 2002 AC_{176}	15.4	X	181.49273	233.74270	316.49455	2.53642	0.0687477	0.18569173	3.0428066	21	10 21.8	20.1
146868 2002 AG_{177}	15.3	X	205.15953	157.87365	4.02958	2.50875	0.0972232	0.18492684	3.0511912	21	10 11.4	20.0
146869 2002 AN_{181}	15.1	X	38.12906	1.98909	31.16962	13.06725	0.1812759	0.20041068	2.8919368	21	—	—
146870 2002 AT_{181}	15.1	X	269.53875	111.55836	327.25712	9.80430	0.1006632	0.24100961	2.5572890	21	9 14.9	18.3
146871 2002 AT_{182}	15.2	X	269.35411	41.28967	74.21719	11.59122	0.0695107	0.19026840	2.9938149	21	11 5.9	19.3
146872 2002 AE_{191}	14.9	X	182.70960	270.71882	232.09187	14.93268	0.1855685	0.17792249	3.1307531	21	8 18.1	20.4
146873 2002 AN_{208}	14.8	X	212.03518	13.01987	65.46057	9.80176	0.0613475	0.17483677	3.1674824	21	7 10.8	19.6
146874 2002 BB	15.0	X	147.90578	271.00856	296.38498	7.16604	0.0673972	0.18497157	3.0506993	21	10 4.3	19.7
146875 2002 BL_{17}	15.5	X	63.18033	135.63816	339.01513	10.11609	0.2221898	0.21337225	2.7736017	21	3 12.7	18.4
146876 2002 BK_{21}	16.5	X	145.15608	120.96999	34.56764	21.99869	0.0612229	0.37774573	1.8952638	21	8 24.4	19.3
146877 2002 BQ_{25}	15.0	X	210.50311	218.78605	232.04925	4.30435	0.0942523	0.17358521	3.1826893	21	7 20.6	19.9
146878 2002 CN_{1}	15.3	X	315.48141	14.95400	61.81304	11.18833	0.0400768	0.19002942	2.9963244	21	11 19.6	19.3
146879 2002 CS_{8}	15.4	X	71.88033	27.84772	153.34274	5.10990	0.0745446	0.16867634	3.2441426	21	6 8.1	19.8
146880 2002 CV_{8}	15.3	X	224.45812	210.83466	295.70209	7.94668	0.0216088	0.18658976	3.0330357	21	10 18.9	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146881 2002 CH_{11}	14.7	X	20.53886	256.06656	324.42587	38.00053	0.1994940	0.21648437	2.7469559	21	4 15.4	18.6
146882 2002 CV_{21}	15.5	X	269.86743	303.35114	159.87377	1.23100	0.0988666	0.18606199	3.0387685	21	10 14.7	19.5
146883 2002 CF_{24}	15.2	X	18.69044	145.58446	276.83873	10.87645	0.0353581	0.19667089	2.9284827	21	—	—
146884 2002 CL_{24}	14.4	X	108.37455	309.00792	266.52623	13.21394	0.2421632	0.17649052	3.1476647	21	9 13.7	19.8
146885 2002 CB_{27}	15.1	X	243.03347	314.61786	71.65442	5.14832	0.0289647	0.17317079	3.1877650	21	6 13.9	19.7
146886 2002 CW_{27}	15.4	X	284.87498	76.29044	55.13835	3.98516	0.0821793	0.19319112	2.9635432	21	12 12.1	19.1
146887 2002 CT_{29}	14.8	X	267.63733	293.55830	83.48952	10.23780	0.0999769	0.17547985	3.1597390	21	6 22.7	19.4
146888 2002 CG_{34}	15.0	X	230.45111	4.83791	14.00532	6.27543	0.0488419	0.17041574	3.2220300	21	5 17.1	19.7
146889 2002 CG_{37}	15.7	X	133.83295	156.90162	15.28196	0.40676	0.1055917	0.17374129	3.1807829	21	8 12.6	20.6
146890 2002 CA_{38}	14.9	X	76.03524	0.60328	273.33671	4.47115	0.1340657	0.18155127	3.0888953	21	10 15.3	19.4
146891 2002 CY_{40}	14.7	X	104.86603	350.94944	288.98953	18.68732	0.1251192	0.18555551	3.0442955	21	11 21.2	19.7
146892 2002 CQ_{47}	14.9	X	41.47888	26.04213	262.70661	8.55279	0.0629858	0.17951969	3.1121558	21	9 6.8	19.2
146893 2002 CK_{55}	15.2	X	183.60250	203.36968	280.84441	2.82478	0.1510376	0.17383415	3.1796499	21	8 2.6	20.4
146894 2002 CX_{59}	16.3	X	147.23852	100.50500	297.64624	17.17554	0.1035275	0.36236420	1.9485245	21	2 9.5	18.4
146895 2002 CP_{66}	15.5	X	303.44891	32.15636	102.09876	3.41979	0.0549285	0.19632625	2.9319089	21	—	—
146896 2002 CZ_{69}	15.6	X	331.54309	86.36555	101.61594	3.28074	0.0441836	0.20613689	2.8381297	21	1 21.3	19.4
146897 2002 CB_{74}	15.5	X	250.40603	309.50894	114.47055	6.05718	0.1282983	0.17844045	3.1246917	21	7 28.5	20.0
146898 2002 CL_{74}	15.5	X	145.34489	193.52634	25.81935	1.67132	0.0766921	0.18352957	3.0666580	21	10 19.9	20.2
146899 2002 CS_{75}	15.8	X	317.81950	7.81073	78.09593	2.67897	0.0758741	0.19067137	2.9895953	21	12 2.5	19.3
146900 2002 CL_{79}	14.8	X	84.90813	246.02584	333.80730	8.40480	0.0264314	0.17411352	3.1762479	21	8 7.2	19.2
146901 2002 CO_{82}	15.5	X	180.31226	353.00122	129.01059	2.15886	0.1096727	0.17381786	3.1798486	21	7 28.7	20.4
146902 2002 CL_{90}	15.4	X	103.22509	95.73343	113.94058	2.71195	0.1222072	0.17396262	3.1780844	21	8 28.5	20.1
146903 2002 CE_{92}	14.9	X	306.29400	319.53091	8.12013	4.00636	0.0433523	0.16971507	3.2308920	21	6 17.9	19.3
146904 2002 CU_{94}	15.1	X	228.06974	332.76136	85.87956	2.37412	0.1481542	0.17328293	3.1863895	21	6 25.9	19.9
146905 2002 CH_{97}	15.5	X	271.00668	315.35505	125.40481	6.70450	0.1180213	0.18158052	3.0885636	21	9 16.5	19.7
146906 2002 CD_{119}	15.4	X	184.21098	350.23525	142.41265	2.03974	0.1054663	0.17783136	3.1318225	21	8 14.9	20.1
146907 2002 CH_{126}	15.0	X	245.70456	129.79486	324.75678	10.00213	0.0990384	0.18004883	3.1060552	21	9 1.3	19.6
146908 2002 CX_{148}	15.0	X	332.90913	334.38898	305.48662	4.96251	0.0650772	0.16739397	3.2606899	21	5 20.9	19.4
146909 2002 CL_{151}	14.8	X	223.36337	17.03308	116.05129	14.16692	0.0801067	0.18070089	3.0985786	21	10 3.8	19.6
146910 2002 CR_{156}	15.0	X	3.72934	253.01433	83.14713	10.47412	0.0966130	0.18195840	3.0842860	21	9 27.1	19.0
146911 2002 CA_{174}	15.1	X	108.57855	161.16108	80.84549	5.42893	0.1597456	0.17996194	3.1070550	21	10 17.7	20.0
146912 2002 CL_{187}	15.9	X	276.62386	109.88193	23.95358	1.76373	0.0972142	0.19124803	2.9835826	21	12 1.4	19.9
146913 2002 CE_{196}	15.9	X	115.16802	157.52402	86.03653	2.59124	0.1338082	0.18160084	3.0883331	21	10 22.6	20.8
146914 2002 CB_{199}	15.3	X	347.55934	232.24589	119.42917	3.69023	0.0731264	0.18025467	3.1036902	21	9 16.9	19.2
146915 2002 CN_{204}	15.3	X	68.41171	224.80711	27.70918	1.90471	0.1738234	0.17471158	3.1689953	21	9 17.3	19.7
146916 2002 CG_{210}	15.7	X	218.09158	108.13251	28.81546	1.33862	0.1057981	0.18164679	3.0878123	21	9 24.3	20.2
146917 2002 CE_{214}	15.5	X	293.21166	331.48245	136.18742	3.97514	0.0770416	0.18851221	3.0123798	21	11 24.9	19.4
146918 2002 CT_{225}	14.5	X	323.97314	40.13709	279.55318	15.35195	0.0961015	0.17311325	3.1884713	21	6 26.8	18.4
146919 2002 CK_{226}	15.0	X	63.82323	336.76430	296.25404	9.26619	0.0704627	0.18028509	3.1033411	21	9 17.4	19.5
146920 2002 CB_{227}	15.6	X	180.56792	314.43826	192.49927	4.26074	0.0808289	0.17881847	3.1202865	21	8 28.1	20.4
146921 Michaelbuckley	15.8	X	289.41614	32.53211	47.54089	2.02903	0.1243327	0.18492947	3.0511622	21	10 8.6	19.7
146922 2002 CE_{255}	15.2	X	325.43440	104.17764	305.84516	7.62799	0.0505971	0.18651208	3.0338777	21	10 25.7	19.3
146923 2002 CJ_{260}	16.0	X	320.92969	77.23163	309.40408	0.39642	0.1379408	0.18267854	3.0761749	21	9 15.5	19.5
146924 2002 CU_{263}	15.7	X	155.24336	31.44808	327.60490	1.23105	0.0840752	0.20500351	2.8485806	21	1 29.9	19.8
146925 2002 CM_{265}	14.4	X	145.82496	148.85446	69.34270	9.89989	0.0404183	0.18012611	3.1051668	21	10 21.2	19.0
146926 2002 CN_{272}	14.9	X	262.95420	65.77329	114.18897	12.22639	0.1429371	0.19251601	2.9704675	21	—	—
146927 2002 CX_{276}	15.7	X	292.43831	180.55628	209.67521	1.14802	0.0654022	0.17800238	3.1298162	21	8 15.9	19.8
146928 2002 CC_{289}	15.1	X	294.06119	334.65672	61.31809	11.90402	0.0698373	0.18176804	3.0864390	21	9 1.1	19.4
146929 2002 CT_{297}	16.0	X	256.13419	307.47258	137.64290	4.24510	0.0756312	0.18251131	3.0780537	21	9 7.9	20.3
146930 2002 CH_{300}	15.6	X	188.96911	24.41689	153.93042	1.97764	0.0163221	0.18565885	3.0431658	21	10 20.4	19.9
146931 2002 CC_{307}	15.1	X	229.39671	143.38026	44.57328	6.32865	0.1645667	0.19201749	2.9756067	21	11 30.2	19.6
146932 2002 CW_{307}	16.1	X	335.77486	89.19298	326.27272	2.85002	0.1071672	0.19013484	2.9952166	21	11 19.7	19.8
146933 2002 CZ_{309}	15.6	X	171.13599	339.44090	242.07334	4.16704	0.1103928	0.18664436	3.0324441	21	11 17.0	20.3
146934 2002 CJ_{311}	16.0	X	250.84187	295.88116	162.41755	0.94677	0.1386274	0.18093691	3.0958834	21	9 8.5	20.5
146935 2002 DF_{5}	14.6	X	182.89508	99.06229	60.07231	22.63694	0.0973137	0.17810825	3.1285759	21	9 28.4	19.8
146936 2002 DE_{6}	14.3	X	192.80046	155.94093	282.46205	16.49751	0.1553783	0.17330431	3.1861274	21	6 17.4	19.5
146937 2002 DO_{9}	14.5	X	126.43458	134.09828	79.48415	18.63079	0.1566076	0.17878606	3.1206635	21	10 8.2	19.8
146938 2002 DV_{12}	15.3	X	222.01054	39.47972	186.40232	2.73904	0.0544903	0.19255462	2.9700705	21	—	—
146939 2002 DR_{17}	16.5	X	175.64122	34.79008	123.50740	25.17838	0.0617389	0.37793031	1.8946467	21	10 6.8	19.3
146940 2002 EY_{4}	15.6	X	244.53648	298.12197	153.04219	1.87900	0.0673311	0.17714382	3.1399209	21	9 1.4	20.2
146941 2002 EC_{5}	15.7	X	202.18656	69.91803	20.81340	1.28676	0.1184975	0.17205755	3.2015004	21	7 11.9	20.7
146942 2002 EQ_{7}	16.9	X	257.79823	69.23123	6.01221	21.04777	0.1632993	0.38046510	1.8862221	21	9 6.9	18.8
146943 2002 EY_{15}	15.2	X	159.87090	295.14653	288.12218	9.36272	0.0375909	0.18396616	3.0618043	21	11 5.9	19.8
146944 2002 EA_{17}	14.2	X	130.57728	107.87253	117.02843	10.10008	0.2293261	0.17773085	3.1330032	21	10 22.7	19.7
146945 2002 EC_{20}	15.6	X	203.24245	354.73582	206.82197	0.21772	0.1817212	0.18585790	3.0409927	21	11 19.3	20.5
146946 2002 EC_{21}	16.7	X	195.97682	84.09322	359.58722	19.86143	0.0918720	0.37464031	1.9057227	21	6 27.8	19.5
146947 2002 EG_{39}	15.7	X	126.83452	7.25922	177.96974	1.19248	0.1292434	0.17370320	3.1812478	21	8 22.8	20.7
146948 2002 EZ_{42}	15.1	X	216.17150	242.20288	192.40893	1.00322	0.1632421	0.17221586	3.1995381	21	7 2.9	20.3
146949 2002 EG_{51}	15.5	X	250.97890	255.82894	146.04602	2.16214	0.1484701	0.17312509	3.1883260	21	6 28.6	20.3
146950 2002 EZ_{59}	15.2	X	102.37865	207.52767	181.97990	1.88770	0.0781641	0.20033788	2.8926375	21	1 4.2	19.1
146951 2002 EP_{69}	15.4	X	135.02650	200.99010	274.81592	1.62177	0.1382557	0.16480620	3.2947339	21	6 7.9	20.4
146952 2002 EQ_{72}	15.2	X	37.89435	110.64212	352.14080	5.29316	0.0397647	0.19873362	2.9081836	21	1 6.2	19.0
146953 2002 ER_{80}	15.6	X	242.04294	1.03818	64.91249	2.10199	0.1506566	0.17381309	3.1799068	21	7 19.2	20.4
146954 2002 EQ_{90}	15.0	X	96.54938	155.87287	61.59760	2.13399	0.1248667	0.17204607	3.2016428	21	8 31.2	19.7
146955 2002 EZ_{124}	15.4	X	77.11727	169.80005	96.08323	2.98874	0.0525249	0.17773021	3.1330107	21	9 28.7	19.8
146956 2002 EE_{161}	14.8	X	203.39246	246.71559	237.01393	11.53451	0.0934855	0.17471428	3.1689626	21	8 18.8	19.9
146957 2002 FG_{25}	14.6	X	77.23870	159.82485	99.31067	20.15739	0.0707032	0.17626006	3.1504078	21	10 1.6	19.5
146958 2002 FA_{39}	14.7	X	274.97794	331.06968	90.09008	15.17256	0.0242686	0.17809776	3.1286987	21	9 15.3	19.4
146959 2002 FA_{40}	14.4	X	110.56284	310.58195	277.45384	13.19468	0.1871952	0.17561622	3.1581030	21	9 25.8	19.7
146960 2002 GO_{34}	14.9	X	89.58488	125.12735	133.40719	9.66250	0.0622377	0.17784967	3.1316077	21	10 8.2	19.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
146961 2002 GH_{129}	14.4	X	123.64330	359.86979	246.54593	1.73561	0.1410833	0.12565154	3.9478214	21	10 27.1	20.4
146962 2002 JN_{5}	14.2	X	1.49726	123.24373	61.28024	17.16347	0.0909500	0.15267050	3.4670968	21	3 14.3	19.0
146963 2002 JD_{12}	15.9	X	315.23617	184.76135	70.69760	5.41314	0.1265576	0.30668925	2.1777282	21	2 28.1	18.4
146964 2002 JM_{66}	16.4	X	261.26217	148.83943	190.95714	3.25480	0.2230287	0.30648023	2.1787183	21	4 6.1	19.4
146965 2002 JS_{116}	16.3	X	156.93370	350.57377	62.44163	22.80535	0.0864303	0.36183565	1.9504215	21	4 5.1	19.1
146966 2002 KF_{1}	16.5	X	156.78446	281.50059	125.18066	23.99924	0.1192528	0.35591460	1.9719937	21	3 24.6	19.4
146967 2002 LW_{7}	16.6	X	258.45243	196.53328	169.11355	1.82791	0.1975760	0.30864931	2.1684987	21	5 10.7	19.6
146968 2002 LD_{24}	16.3	X	211.55079	145.32773	157.72971	4.83770	0.2040196	0.29040494	2.2583958	21	1 9.6	19.9
146969 2002 LZ_{25}	16.3	X	337.73903	44.14898	293.84522	5.21309	0.1918931	0.31661737	2.1319625	21	8 16.9	17.2
146970 2002 LO_{55}	16.6	X	334.31649	193.18112	91.42847	6.44558	0.1766416	0.30647315	2.1787518	21	5 6.5	18.3
146971 2002 NY_{10}	17.0	X	306.21470	230.75001	117.99616	5.03861	0.2158146	0.30933247	2.1653048	21	6 16.9	18.8
146972 2002 NU_{19}	16.3	X	142.36359	109.30206	285.71521	6.22054	0.0865854	0.29171935	2.2516069	21	2 12.6	19.2
146973 2002 NJ_{22}	16.5	X	130.16822	197.94547	141.22398	6.85321	0.1479060	0.28208514	2.3025863	21	—	—
146974 2002 NS_{22}	16.7	X	164.56854	150.66155	183.79959	5.00898	0.1897895	0.28648393	2.2789557	21	1 5.2	20.1
146975 2002 NF_{26}	16.6	X	259.33918	49.39197	254.35033	4.17963	0.1943428	0.29608753	2.2294067	21	2 18.1	20.1
146976 2002 NC_{27}	16.1	X	59.23542	42.33026	307.26437	4.13218	0.2520589	0.27086481	2.3657435	21	—	—
146977 2002 NS_{39}	16.6	X	92.87786	184.78046	166.26639	7.46755	0.2817639	0.27710296	2.3301038	21	—	—
146978 2002 NG_{45}	16.9	X	266.10340	45.17670	262.46609	4.41519	0.1350882	0.29770350	2.2213317	21	3 5.8	20.2
146979 2002 NJ_{48}	15.5	X	23.67332	173.03277	314.23411	25.04731	0.1543621	0.28853713	2.2681316	21	—	—
146980 2002 NV_{49}	16.3	X	189.68296	203.43342	106.36531	5.18210	0.1801224	0.28799159	2.2709950	21	—	—
146981 2002 NZ_{49}	16.9	X	49.43295	100.50927	281.38863	2.02727	0.2816027	0.27407606	2.3472282	21	—	—
146982 2002 NX_{55}	17.0	X	107.27437	260.69237	62.92758	3.12416	0.2308534	0.27810916	2.3244802	21	—	—
146983 2002 NN_{61}	17.0	X	348.00666	274.65445	69.04259	2.56140	0.2156978	0.26208756	2.4182718	21	9 21.4	18.6
146984 2002 OF_{21}	16.9	X	162.86080	26.44538	271.34848	2.93622	0.2247676	0.28237695	2.3009997	21	—	—
146985 2002 PM_{11}	16.6	X	110.90325	45.74380	284.25463	3.51083	0.1873336	0.27805295	2.3247935	21	—	—
146986 2002 PE_{18}	17.2	X	349.96842	202.84817	167.47518	2.47802	0.1919762	0.26522072	2.3991887	21	11 7.9	19.0
146987 2002 PC_{35}	17.1	X	332.15316	237.62110	146.58725	1.47605	0.1962334	0.26349169	2.4096730	21	10 17.8	18.7
146988 2002 PN_{41}	16.4	X	21.05769	215.51022	153.69391	5.48443	0.2449923	0.26618109	2.3934145	21	—	—
146989 2002 PC_{42}	15.9	X	39.92636	318.88801	27.97680	5.42361	0.2521537	0.26623437	2.3930952	21	—	—
146990 2002 PV_{43}	15.9	X	154.46448	31.51494	342.65343	6.96896	0.1574164	0.28612422	2.2808653	21	2 12.8	19.1
146991 2002 PD_{44}	16.1	X	152.96846	38.25675	333.83895	2.85653	0.2145961	0.28514516	2.2860833	21	2 13.9	19.5
146992 2002 PK_{48}	16.3	X	213.35762	53.63683	260.33473	5.68552	0.1415655	0.28938967	2.2636748	21	1 22.4	19.8
146993 2002 PZ_{61}	17.1	X	147.56238	213.16606	129.08898	4.50463	0.1646865	0.28487990	2.2875021	21	—	—
146994 2002 PR_{63}	16.2	X	142.80982	7.51498	337.15070	4.98340	0.1286252	0.28364942	2.2941129	21	—	—
146995 2002 PU_{81}	16.8	X	285.72068	17.58719	305.86765	2.98443	0.1615780	0.30207947	2.1998272	21	4 16.6	19.5
146996 2002 PG_{85}	16.8	X	47.28752	234.57156	120.87874	3.64327	0.2293826	0.26973083	2.3723695	21	—	—
146997 2002 PY_{91}	16.8	X	128.61969	189.89458	142.47935	5.45584	0.2005341	0.28023791	2.3126937	21	—	—
146998 2002 PS_{93}	17.0	X	30.38570	247.29952	105.69932	3.20976	0.2341807	0.26757244	2.3851102	21	12 29.6	20.0
146999 2002 PL_{99}	16.9	X	174.98741	213.20224	96.19938	6.30560	0.1808695	0.28424934	2.2908838	21	—	—
147000 2002 PD_{100}	16.6	X	153.82581	225.12801	85.90171	5.78434	0.1874563	0.28093983	2.3088400	21	—	—
147001 2002 PC_{108}	16.4	X	81.07470	299.98628	94.77328	6.97052	0.1763605	0.28098756	2.3085785	21	—	—
147002 2002 PT_{121}	16.6	X	117.05197	114.75212	256.94962	5.44331	0.1317762	0.28257292	2.2999357	21	—	—
147003 2002 PV_{121}	16.4	X	358.73564	185.71036	203.12448	6.72212	0.1121431	0.26778911	2.3838236	21	12 12.4	18.9
147004 2002 PT_{126}	16.6	X	125.55369	288.35622	75.63384	1.78751	0.2162118	0.28263643	2.2995911	21	1 3.4	19.3
147005 2002 PA_{127}	15.6	X	35.38378	7.46671	24.81298	6.75445	0.1176399	0.27222934	2.3578315	21	—	—
147006 2002 PC_{127}	16.4	X	82.25584	252.69975	91.61149	4.13168	0.2713524	0.27360521	2.3499204	21	—	—
147007 2002 PD_{127}	16.2	X	276.63132	209.26036	119.32342	7.53148	0.2216586	0.30044075	2.2078191	21	4 11.0	19.4
147008 2002 PU_{127}	17.2	X	171.43961	250.26983	70.18709	2.89885	0.1939200	0.28530034	2.2852542	21	—	—
147009 2002 PS_{129}	16.3	X	179.71193	291.01112	40.71805	4.97559	0.0927523	0.28625020	2.2801960	21	1 9.5	19.4
147010 2002 PY_{134}	16.7	X	228.08518	200.72268	90.30258	5.67482	0.2137126	0.29053291	2.2577326	21	1 9.4	20.3
147011 2002 PP_{140}	16.7	X	325.87294	23.34144	274.07608	5.77818	0.1334723	0.30422151	2.1894890	21	5 14.9	18.9
147012 2002 PT_{153}	17.1	X	263.61489	164.00638	162.96457	2.85883	0.0667878	0.29928749	2.2134871	21	4 8.9	19.7
147013 2002 PV_{169}	16.5	X	103.38112	334.85441	27.35077	4.72777	0.1613933	0.27922023	2.3183098	21	—	—
147014 2002 QF	15.8	X	104.65627	92.74444	244.03134	5.43108	0.2031404	0.27596073	2.3365291	21	—	—
147015 2002 QV_{16}	17.0	X	183.71951	26.53756	261.68312	4.58704	0.2521087	0.28359866	2.2943866	21	—	—
147016 2002 QY_{17}	16.5	X	64.43614	211.11747	158.44771	6.80411	0.1790341	0.27379969	2.3488074	21	—	—
147017 2002 QW_{28}	16.5	X	5.93725	252.10281	67.27545	3.30817	0.2033303	0.26176684	2.4202466	21	9 24.9	18.3
147018 2002 QG_{34}	17.3	X	10.35996	301.43971	35.09935	1.79428	0.1893550	0.26274908	2.4142111	21	10 27.3	19.4
147019 2002 QA_{47}	16.7	X	174.03241	42.08920	258.76547	8.76102	0.2399217	0.28153851	2.3055658	21	—	—
147020 2002 QM_{90}	16.9	X	13.22169	309.33869	88.33029	6.00673	0.1866040	0.26936912	2.3744927	21	—	—
147021 2002 QS_{95}	17.2	X	151.78901	345.66623	99.28185	4.62543	0.1203636	0.29808498	2.2194361	21	5 10.8	20.2
147022 2002 QZ_{98}	16.8	X	92.28589	4.32222	49.86067	6.53720	0.1504472	0.28366064	2.2940524	21	1 11.4	19.0
147023 2002 RL_{3}	17.2	X	118.85254	231.57299	97.40154	2.97848	0.2105380	0.27714135	2.3298887	21	—	—
147024 2002 RW_{7}	16.6	X	41.50353	257.70747	131.18709	2.91983	0.2171266	0.27212373	2.3584415	21	—	—
147025 2002 RK_{12}	16.5	X	156.61441	103.33568	192.36738	2.18978	0.1693325	0.27824626	2.3237166	21	—	—
147026 2002 RF_{13}	16.8	X	41.26113	337.44916	23.03544	3.03364	0.2061766	0.26851652	2.3795164	21	—	—
147027 2002 RV_{20}	16.3	X	53.98691	340.44550	17.97545	4.43662	0.1653253	0.27067512	2.3668487	21	—	—
147028 2002 RO_{22}	17.0	X	75.86144	160.15306	144.86742	2.98102	0.1957235	0.26885743	2.3775045	21	12 13.9	20.5
147029 2002 RU_{28}	16.8	X	91.33022	148.67138	218.65551	4.62617	0.1894197	0.27727596	2.3291345	21	—	—
147030 2002 RE_{31}	16.7	X	76.31375	158.50619	200.75893	6.74678	0.1488368	0.27407787	2.3472179	21	—	—
147031 2002 RX_{31}	16.6	X	142.27027	105.33326	214.94123	2.73211	0.1895562	0.27963021	2.3160432	21	—	—
147032 2002 RE_{32}	16.4	X	91.69440	129.63547	321.83320	6.23882	0.1309511	0.28762631	2.2729174	21	2 27.8	18.6
147033 2002 RX_{35}	16.9	X	55.19017	145.65080	195.35112	5.72034	0.2554134	0.26979950	2.3719669	21	—	—
147034 2002 RA_{43}	17.0	X	173.58887	248.27187	72.12825	2.71635	0.2054404	0.28473426	2.2882821	21	—	—
147035 2002 RU_{48}	16.9	X	195.86979	239.68113	95.96155	1.08377	0.2235744	0.28893549	2.2660463	21	2 7.1	20.4
147036 2002 RJ_{49}	17.1	X	137.57988	307.52908	51.75576	2.85784	0.1963191	0.28247193	2.3004839	21	1 9.9	19.9
147037 2002 RZ_{51}	15.9	X	47.47757	253.10003	141.95459	7.10016	0.1131078	0.27296399	2.3535990	21	—	—
147038 2002 RW_{54}	16.3	X	114.53663	11.34551	289.68820	5.69251	0.1207092	0.27251472	2.3561851	21	—	—
147039 2002 RX_{55}	16.2	X	74.96122	133.55600	208.09368	4.61510	0.2331586	0.27171511	2.3608054	21	—	—
147040 2002 RJ_{64}	16.9	X	320.51963	247.24747	64.36436	3.80797	0.1801382	0.30357631	2.1925902	21	5 20.9	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147041 2002 RE_{65}	15.9	X	118.56073	256.37814	105.89080	4.83335	0.2616099	0.27683293	2.3316188	21	—	—
147042 2002 RA_{71}	17.5	X	149.04266	84.10730	236.02304	5.71726	0.1395761	0.28065789	2.3103860	21	—	—
147043 2002 RA_{75}	16.6	X	54.74794	215.74404	175.01341	2.33789	0.2102901	0.27407008	2.3472623	21	—	—
147044 2002 RW_{77}	17.1	X	78.23590	322.32022	18.70913	2.50854	0.2103602	0.27265275	2.3553898	21	—	—
147045 2002 RE_{79}	16.5	X	40.82650	222.76601	132.73529	2.04551	0.1980149	0.26847387	2.3797685	21	—	—
147046 2002 RB_{82}	17.0	X	342.64421	117.23615	243.97277	0.42041	0.1814793	0.25991256	2.4317441	21	10 3.3	18.6
147047 2002 RE_{85}	16.1	X	116.15508	352.76644	340.38917	2.84700	0.0657885	0.27531978	2.3401540	21	—	—
147048 2002 RW_{86}	16.4	X	58.58325	69.61313	352.95693	6.38552	0.1223720	0.27752961	2.3277151	21	—	—
147049 2002 RP_{87}	16.4	X	21.29262	242.13908	158.03678	4.77065	0.1358650	0.26932895	2.3747288	21	—	—
147050 2002 RJ_{88}	16.1	X	66.37962	147.85272	192.77048	1.56120	0.2017527	0.26957562	2.3732800	21	—	—
147051 2002 RO_{91}	16.6	X	20.83592	62.09426	338.72351	1.79792	0.1275050	0.26960001	2.3731368	21	—	—
147052 2002 RT_{94}	16.1	X	11.13318	15.94218	17.68834	2.73983	0.2097350	0.26644829	2.3918141	21	—	—
147053 2002 RT_{100}	16.4	X	150.75854	306.95713	64.02244	1.46526	0.2440148	0.28382838	2.2931485	21	2 13.9	19.9
147054 2002 RZ_{100}	16.3	X	75.61831	4.60800	1.04026	2.30329	0.2171083	0.27217451	2.3581481	21	—	—
147055 2002 RU_{101}	16.4	X	102.98067	312.07728	39.37981	3.59483	0.2620053	0.27493232	2.3423521	21	—	—
147056 2002 RW_{104}	16.4	X	60.35178	271.26715	89.22597	2.68479	0.2057327	0.26877057	2.3780168	21	—	—
147057 2002 RY_{106}	15.4	X	158.93443	110.89669	237.40029	4.33983	0.2812015	0.28137460	2.3064611	21	1 26.2	19.0
147058 2002 RP_{115}	17.0	X	153.36673	196.55646	113.32195	4.56793	0.1380421	0.28052746	2.3111021	21	—	—
147059 2002 RD_{118}	16.0	X	116.50335	336.49001	33.23133	6.21264	0.2661555	0.27988584	2.3146327	21	1 8.2	18.6
147060 2002 RG_{121}	16.2	X	103.68650	14.24910	308.97105	6.30604	0.1338843	0.27242892	2.3566798	21	—	—
147061 2002 RJ_{121}	16.1	X	117.19043	120.24206	259.21630	6.25545	0.1129917	0.28062478	2.3105677	21	—	—
147062 2002 RD_{126}	16.2	X	166.28977	248.41904	101.35445	6.58039	0.1461627	0.28473315	2.2882880	21	1 23.5	19.4
147063 2002 RU_{133}	16.0	X	115.33017	268.42081	118.46237	7.43321	0.1219489	0.28236505	2.3010643	21	1 4.7	18.6
147064 2002 RA_{135}	16.0	X	125.21863	32.06609	20.18066	7.34238	0.0861580	0.28819250	2.2699394	21	2 19.4	18.7
147065 2002 RS_{149}	16.2	X	310.10064	352.36056	265.30881	5.24250	0.2009573	0.29628219	2.2284301	21	2 9.8	19.2
147066 2002 RD_{175}	16.6	X	189.34612	21.30042	278.62910	4.68238	0.1698654	0.28413725	2.2914863	21	—	—
147067 2002 RD_{202}	16.7	X	101.07733	263.23087	270.06898	4.19032	0.0451900	0.30260739	2.1972680	21	6 29.6	19.1
147068 2002 RX_{212}	16.0	X	185.07415	229.99932	95.09198	7.37387	0.1429034	0.28453497	2.2893505	21	1 11.0	19.3
147069 2002 RA_{215}	16.6	X	89.69270	229.04599	130.56396	7.60505	0.1240345	0.27633731	2.3344059	21	—	—
147070 2002 RV_{224}	16.8	X	78.02661	232.73531	204.91025	6.30810	0.0515787	0.28530171	2.2852469	21	1 7.0	19.3
147071 2002 RA_{228}	16.3	X	110.96564	231.82944	99.05664	8.08661	0.1930352	0.27674802	2.3320957	21	—	—
147072 2002 SF_{6}	17.3	X	136.47106	116.78511	186.90855	2.08527	0.2140935	0.27588442	2.3369599	21	—	—
147073 2002 SJ_{10}	17.0	X	155.35424	216.09691	62.50823	2.87345	0.1936186	0.27488858	2.3426006	21	—	—
147074 2002 SS_{12}	17.1	X	264.57908	203.59749	101.71509	2.43993	0.0789337	0.29267353	2.2467104	21	3 10.9	19.9
147075 2002 SJ_{19}	16.7	X	73.32301	264.25723	181.26606	2.81456	0.1660216	0.28258524	2.2998688	21	1 22.9	18.6
147076 2002 SP_{21}	17.3	X	221.91982	248.80071	35.99774	2.77511	0.1289069	0.28496613	2.2870407	21	—	—
147077 2002 SG_{25}	16.1	X	350.06524	93.89024	36.01400	7.76189	0.0557044	0.27794983	2.3253684	21	—	—
147078 2002 SN_{27}	16.3	X	43.89409	229.98264	141.25493	6.79602	0.1359584	0.26856759	2.3792148	21	—	—
147079 2002 SS_{30}	16.6	X	106.84520	277.99726	66.18195	5.77945	0.1660616	0.27582302	2.3373067	21	—	—
147080 2002 SC_{32}	16.4	X	19.44501	10.66210	58.96572	5.15531	0.1178768	0.27273511	2.3549156	21	—	—
147081 2002 SB_{36}	16.5	X	343.75289	245.11556	167.75935	1.20134	0.1722012	0.26401239	2.4065036	21	12 26.5	18.5
147082 2002 ST_{36}	15.8	X	95.85314	8.78817	30.24005	7.30125	0.1008116	0.27921957	2.3183134	21	—	—
147083 2002 SA_{37}	16.8	X	294.05104	300.61074	5.43123	2.58118	0.2518302	0.29900813	2.2148656	21	3 23.2	19.8
147084 2002 SF_{37}	16.7	X	227.15367	283.14543	112.69645	3.04058	0.2745866	0.24519729	2.5280885	21	5 18.9	21.0
147085 2002 ST_{42}	16.7	X	98.23111	170.13810	216.62026	2.35443	0.1765413	0.27859073	2.3218007	21	—	—
147086 2002 SQ_{43}	16.1	X	55.75667	150.66718	352.43639	2.84655	0.1151845	0.28780972	2.2719516	21	3 12.4	18.1
147087 2002 SL_{48}	16.1	X	90.50270	355.87642	146.34541	5.47935	0.0825810	0.29400263	2.2399341	21	5 6.8	18.6
147088 2002 SQ_{50}	15.9	X	78.99021	162.41022	172.75693	2.64006	0.1837554	0.26964176	2.3728919	21	—	—
147089 2002 SX_{52}	16.3	X	22.59365	235.74398	91.62184	9.14847	0.2312747	0.26244994	2.4160452	21	11 14.8	18.9
147090 2002 SZ_{53}	15.9	X	57.88894	168.07339	229.14144	9.54808	0.1850830	0.27156674	2.3616652	21	—	—
147091 2002 SM_{56}	16.2	X	38.07965	351.62977	54.25589	7.99973	0.1041250	0.27200876	2.3591060	21	—	—
147092 2002 TY	16.6	X	57.08310	356.06421	60.75908	3.68773	0.1615645	0.27647617	2.3336241	21	—	—
147093 2002 TM_{1}	16.1	X	8.81984	191.49805	220.19348	2.54540	0.2278985	0.26696339	2.3887365	21	—	—
147094 2002 TK_{13}	16.8	X	253.21179	312.77086	9.03918	2.36572	0.2005293	0.24173055	2.5522019	21	3 14.9	21.0
147095 2002 TM_{15}	16.5	X	60.68567	0.35323	64.85860	3.65837	0.1464057	0.27826089	2.3236351	21	—	—
147096 2002 TM_{16}	16.3	X	113.89883	92.07493	240.39377	2.10551	0.1817374	0.27596187	2.3365227	21	—	—
147097 2002 TV_{18}	16.9	X	2.85336	134.86632	289.10232	1.24405	0.2170058	0.26839165	2.3802545	21	—	—
147098 2002 TX_{25}	15.9	X	192.42920	289.73734	131.09109	2.54828	0.1395380	0.24253871	2.5465293	21	5 24.3	19.9
147099 2002 TL_{28}	16.5	X	19.85397	32.98313	37.29404	4.73794	0.1575782	0.27102358	2.3648195	21	—	—
147100 2002 TV_{29}	16.7	X	356.16824	25.42127	353.71365	1.90228	0.2047251	0.26202413	2.4186621	21	12 4.3	18.7
147101 2002 TC_{30}	16.4	X	117.53292	241.96302	83.46846	3.58248	0.2225264	0.27411772	2.3469904	21	—	—
147102 2002 TD_{36}	16.6	X	58.74350	264.86311	55.44823	2.07584	0.1892990	0.26522086	2.3991879	21	12 13.9	19.8
147103 2002 TO_{39}	16.2	X	128.00230	285.65555	49.86062	7.82866	0.1646905	0.27355427	2.3502121	21	—	—
147104 2002 TG_{42}	16.6	X	3.87103	245.07362	179.56569	2.15417	0.1929861	0.26724024	2.3870864	21	—	—
147105 2002 TM_{42}	16.3	X	120.96243	332.21257	37.41451	5.98631	0.1157272	0.27852148	2.3221856	21	—	—
147106 2002 TE_{43}	15.7	X	73.22594	38.17298	22.72976	9.59215	0.0127668	0.27807136	2.3246909	21	—	—
147107 2002 TL_{43}	16.0	X	308.56879	270.01751	218.86336	6.10794	0.1089964	0.26824003	2.3811513	21	—	—
147108 2002 TZ_{43}	16.5	X	347.06824	234.14867	157.90204	1.17987	0.1408391	0.26147116	2.4220709	21	11 27.9	18.7
147109 2002 TF_{48}	16.4	X	124.40168	47.81490	40.11019	12.82797	0.2574359	0.23339071	2.6126446	21	5 2.1	20.5
147110 2002 TJ_{48}	16.5	X	65.61094	216.85557	192.04782	3.41336	0.1723682	0.27415078	2.3468017	21	—	—
147111 2002 TZ_{48}	16.6	X	223.37755	302.44521	32.14439	3.03505	0.1613242	0.28910926	2.2651382	21	3 1.5	20.0
147112 2002 TO_{50}	16.2	X	28.39568	323.50545	55.96910	4.43226	0.2550226	0.26587380	2.3952583	21	—	—
147113 2002 TK_{70}	16.1	X	107.43251	30.85127	267.88482	5.08409	0.1208893	0.26895224	2.3769458	21	12 31.0	19.7
147114 2002 TK_{72}	15.8	X	146.52527	58.14138	247.08070	6.33366	0.1209044	0.27527168	2.3404266	21	—	—
147115 2002 TU_{73}	16.8	X	353.42036	139.48631	260.98631	3.04960	0.2005066	0.26371658	2.4083028	21	12 30.9	19.0
147116 2002 TZ_{77}	17.0	X	331.66242	177.02265	248.39668	1.71380	0.1692713	0.26355909	2.4092621	21	12 20.0	19.0
147117 2002 TD_{83}	16.3	X	60.96658	356.48967	64.70875	7.75827	0.1595580	0.27844382	2.3226173	21	—	—
147118 2002 TO_{83}	16.3	X	84.74775	233.03033	121.67582	7.46055	0.1549335	0.27445426	2.3450714	21	—	—
147119 2002 TR_{89}	16.8	X	62.51437	192.40623	294.46050	4.68825	0.0571733	0.28637665	2.2795247	21	2 21.5	19.3
147120 2002 TG_{97}	17.5	X	119.53901	145.04180	142.49741	0.92621	0.2106568	0.27171299	2.3608177	21	12 31.5	21.5

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147121 2002 TY_{120}	15.5	X	155.41274	124.69477	241.12910	7.67693	0.1699436	0.28398512	2.2923046	21	1 31.6	18.9
147122 2002 TZ_{122}	16.0	X	2.83466	159.31875	232.84210	9.57233	0.0928837	0.26676961	2.3898931	21	12 20.0	18.8
147123 2002 TR_{126}	15.7	X	250.46245	343.99386	58.61330	6.83275	0.1205049	0.25138941	2.4864023	21	7 2.3	19.2
147124 2002 TH_{129}	16.6	X	324.07381	22.67676	276.99064	5.55193	0.1020272	0.30138935	2.2031840	21	5 21.1	18.8
147125 2002 TR_{130}	16.3	X	289.34602	19.99181	242.70853	5.94234	0.1112879	0.29186765	2.2508441	21	2 4.2	19.5
147126 2002 TH_{131}	16.5	X	56.26835	340.33128	104.82077	6.63890	0.0987088	0.28103749	2.3083051	21	—	—
147127 2002 TJ_{132}	15.8	X	123.02755	74.83255	271.88189	2.46553	0.1525772	0.27791645	2.3255546	21	—	—
147128 2002 TT_{137}	16.2	X	289.41328	23.59592	288.46316	6.53247	0.1917534	0.29591630	2.2302667	21	3 30.4	19.3
147129 2002 TE_{139}	16.4	X	36.15240	130.83423	294.25080	4.66852	0.2144892	0.27187407	2.3598851	21	—	—
147130 2002 TZ_{172}	16.4	X	144.34617	352.43387	72.49101	5.23628	0.0917833	0.29117418	2.2544165	21	4 2.9	19.3
147131 2002 TS_{180}	15.6	X	290.62575	84.50650	341.55133	11.85263	0.1714162	0.25498034	2.4630029	21	9 20.5	18.3
147132 2002 TB_{186}	16.7	X	115.80504	0.96855	309.00188	3.64241	0.1566377	0.27310845	2.3527690	21	—	—
147133 2002 TO_{203}	16.9	X	317.76085	211.15635	118.21132	6.15551	0.1963163	0.30478248	2.1868016	21	6 11.5	18.8
147134 2002 TL_{206}	16.4	X	82.96011	98.66204	249.24089	2.48611	0.1965306	0.27139606	2.3626553	21	—	—
147135 2002 TR_{210}	16.8	X	121.59959	333.49062	45.60921	2.90304	0.1230710	0.28007133	2.3136107	21	1 4.4	19.5
147136 2002 TT_{224}	16.7	X	331.13670	24.54050	54.90040	5.85882	0.1961849	0.26382052	2.4076702	21	—	—
147137 2002 TH_{239}	15.8	X	89.14417	28.22716	357.27470	12.18549	0.1575603	0.27668618	2.3324432	21	—	—
147138 2002 TU_{239}	16.3	X	47.58764	76.90108	310.87896	2.09260	0.1701941	0.27015001	2.3699147	21	—	—
147139 2002 TY_{243}	16.8	X	130.48233	227.10385	216.12129	1.01963	0.1304615	0.23628436	2.5912704	21	4 18.4	20.4
147140 2002 TW_{245}	16.2	X	205.46559	269.23354	49.64043	7.46203	0.1483865	0.28558553	2.2837326	21	1 25.2	19.8
147141 2002 TB_{246}	16.3	X	10.47440	206.00841	150.67427	6.65718	0.1233448	0.26167342	2.4208227	21	11 18.1	19.0
147142 2002 TV_{246}	16.4	X	4.56278	170.48972	32.36810	6.39913	0.0733445	0.28967608	2.2621825	21	3 12.6	18.7
147143 2002 TN_{253}	16.1	X	143.63297	283.14517	130.25092	1.73228	0.1428185	0.23332000	2.6131725	21	3 28.1	19.8
147144 2002 TS_{255}	16.8	X	349.51810	357.31353	21.30402	2.20832	0.2164310	0.26006480	2.4307950	21	11 20.0	18.7
147145 2002 TK_{259}	16.3	X	196.35238	255.91957	85.84388	5.90534	0.1907365	0.28568877	2.2831824	21	2 15.9	19.9
147146 2002 TU_{260}	16.2	X	358.28741	204.65573	204.60752	7.55740	0.1881785	0.26258316	2.4152280	21	—	—
147147 2002 TP_{274}	16.5	X	84.16426	68.54312	238.56991	4.64098	0.2486375	0.26774733	2.3840715	21	12 27.4	20.4
147148 2002 TQ_{275}	16.2	X	128.71830	36.10947	344.95079	2.52539	0.2307613	0.28108906	2.3080228	21	2 2.2	19.1
147149 2002 TF_{279}	16.3	X	45.08017	86.02879	265.03485	5.00234	0.1612683	0.26606435	2.3941145	21	—	—
147150 2002 TB_{286}	15.9	X	201.12440	323.65803	357.10185	4.46553	0.1980644	0.28446158	2.2897442	21	1 24.8	19.6
147151 2002 TX_{293}	17.0	X	41.06709	209.60620	250.65357	5.80012	0.1778719	0.27823129	2.3237999	21	—	—
147152 2002 TX_{297}	16.1	X	75.41344	278.68653	80.20946	7.99063	0.1362287	0.27187541	2.3598773	21	—	—
147153 2002 TB_{303}	17.0	X	52.78782	160.56328	157.17253	3.10290	0.1857625	0.26436741	2.4043486	21	12 3.9	20.1
147154 2002 UO_{5}	16.0	X	110.61176	279.78148	77.75351	5.96804	0.1505519	0.27676671	2.3319907	21	—	—
147155 2002 UM_{9}	16.2	X	220.48126	252.41341	114.17960	7.31919	0.1608389	0.29603300	2.2296805	21	4 10.6	19.7
147156 2002 UL_{17}	16.4	X	312.10830	40.25836	40.53719	4.93596	0.1720221	0.26076280	2.4264553	21	11 28.9	18.4
147157 2002 UO_{20}	16.3	X	131.83356	252.76115	81.75501	3.52626	0.1220298	0.27521523	2.3407467	21	—	—
147158 2002 UY_{22}	16.7	X	109.35091	189.85947	263.48268	2.13938	0.1720987	0.28440869	2.2900281	21	4 5.8	19.6
147159 2002 UQ_{31}	16.7	X	26.99002	325.02447	311.41907	5.57463	0.1313397	0.30554301	2.1831713	21	8 21.8	18.6
147160 2002 UE_{32}	15.9	X	87.52763	21.15062	73.05732	1.50560	0.2224242	0.22815199	2.6524867	21	3 25.1	19.1
147161 2002 VP_{3}	16.7	X	3.02703	200.91827	300.90127	3.81226	0.1657971	0.27568206	2.3381034	21	—	—
147162 2002 VK_{8}	16.1	X	177.46870	23.25012	268.64763	7.30509	0.1830103	0.27722034	2.3294460	21	—	—
147163 2002 VR_{8}	16.0	X	78.25172	338.31943	309.07434	5.52543	0.0845703	0.26024509	2.4296722	21	11 7.9	19.4
147164 2002 VM_{9}	15.8	X	100.75660	325.83660	291.68966	5.53699	0.1156635	0.25878877	2.4387789	21	10 29.2	19.4
147165 2002 VA_{12}	16.5	X	273.51780	223.60717	82.09013	4.25279	0.1817230	0.29362613	2.2418484	21	3 11.9	19.7
147166 2002 VG_{12}	15.9	X	351.94148	282.44521	69.63345	7.40321	0.1914276	0.25596371	2.4566905	21	10 14.8	18.0
147167 2002 VZ_{13}	16.7	X	219.19867	169.52975	344.18598	5.53224	0.0576510	0.31184463	2.1536603	21	11 6.1	19.3
147168 2002 VK_{19}	16.5	X	331.69108	61.69422	56.03357	3.82832	0.1275168	0.26860537	2.3789917	21	—	—
147169 2002 VY_{23}	16.3	X	352.89878	209.83666	241.41641	4.75182	0.1762646	0.26713200	2.3877312	21	—	—
147170 2002 VJ_{27}	16.7	X	95.25746	196.60334	172.03788	0.55506	0.2130177	0.27367282	2.3495333	21	—	—
147171 2002 VK_{28}	16.2	X	357.40681	116.33239	230.57536	5.52873	0.1719253	0.25669277	2.4520367	21	10 11.2	18.5
147172 2002 VQ_{29}	16.1	X	96.92850	264.65552	128.93537	7.61309	0.1248136	0.27577644	2.3375699	21	—	—
147173 2002 VP_{34}	15.7	X	12.73052	272.84114	72.26929	3.85640	0.2307085	0.25777388	2.4451759	21	11 19.7	18.1
147174 2002 VU_{36}	15.6	X	169.62719	165.29379	267.97775	12.17488	0.2392067	0.23524141	2.5989237	21	5 20.2	20.2
147175 2002 VV_{36}	15.4	X	161.39075	43.38409	72.78066	5.94760	0.1696033	0.23721065	2.5845202	21	7 4.9	19.7
147176 2002 VP_{43}	16.4	X	24.23658	358.84829	105.09372	6.08553	0.1850146	0.27392038	2.3481175	21	—	—
147177 2002 VN_{45}	16.2	X	154.71242	301.05681	343.63008	3.56231	0.1069658	0.27168211	2.3609966	21	—	—
147178 2002 VY_{48}	16.6	X	314.23211	325.40432	116.13834	3.32031	0.1644711	0.26062901	2.4272856	21	12 6.2	18.6
147179 2002 VN_{49}	16.2	X	280.14219	327.27601	95.61803	6.01856	0.2352840	0.25265550	2.4780889	21	8 23.4	19.3
147180 2002 VT_{52}	16.7	X	256.80157	40.61503	49.84115	8.01212	0.1048287	0.25436282	2.4669876	21	9 21.3	19.9
147181 2002 VZ_{59}	16.2	X	88.71373	79.50733	255.55765	3.36165	0.1399930	0.26860772	2.3789778	21	—	—
147182 2002 VF_{62}	16.0	X	44.23583	352.33583	318.66821	1.80946	0.1749109	0.25896434	2.4376765	21	11 10.6	19.1
147183 2002 VB_{69}	16.6	X	103.60353	225.96967	283.91681	4.66548	0.0459930	0.29420887	2.2388872	21	5 28.9	19.1
147184 2002 VG_{79}	16.4	X	340.06516	237.32087	122.81499	5.79873	0.2156638	0.25581688	2.4576305	21	9 28.5	18.1
147185 2002 VX_{79}	15.5	X	16.43596	192.25177	132.29277	5.36578	0.1016874	0.25459146	2.4655103	21	10 9.1	18.2
147186 2002 VG_{80}	16.6	X	22.23814	281.48424	135.20279	3.40492	0.1054390	0.26735850	2.3863825	21	—	—
147187 2002 VR_{80}	16.9	X	358.37537	265.64458	91.63908	5.93670	0.2956161	0.25905097	2.4371330	21	11 21.5	18.7
147188 2002 VF_{81}	16.6	X	300.14563	315.51915	155.29471	2.33595	0.1476989	0.26111054	2.4243005	21	12 21.8	18.9
147189 2002 VN_{81}	16.0	X	249.60520	55.64001	91.67268	10.56683	0.1832081	0.25782932	2.4448254	21	11 14.9	19.1
147190 2002 VY_{84}	16.7	X	10.97993	283.73785	153.54680	2.46791	0.1606209	0.26945148	2.3740088	21	—	—
147191 2002 VL_{88}	16.1	X	186.16618	111.77405	317.66927	2.02050	0.1227916	0.23916504	2.5704209	21	5 28.3	20.0
147192 2002 VD_{89}	16.4	X	212.91934	28.16202	280.58626	5.84779	0.1191610	0.28276966	2.2988688	21	1 16.7	19.6
147193 2002 VE_{89}	15.8	X	44.85678	272.60086	14.16992	5.75466	0.1152332	0.25461502	2.4653582	21	9 30.2	18.7
147194 2002 VU_{89}	16.2	X	37.95270	106.26816	281.74879	2.81535	0.0920892	0.26861127	2.3789568	21	—	—
147195 2002 VM_{92}	16.5	X	248.38161	200.09626	288.59559	3.88821	0.1316852	0.25867860	2.4394713	21	10 22.3	19.8
147196 2002 VX_{92}	16.2	X	273.66488	269.50021	66.04423	15.90646	0.1846991	0.24319053	2.5419770	21	4 27.7	20.0
147197 2002 VF_{94}	16.8	X	122.04883	17.00058	332.84904	2.12061	0.2486645	0.27535279	2.3399670	21	—	—
147198 2002 VS_{97}	16.4	X	277.60358	47.38112	37.40269	5.42618	0.0840829	0.25574442	2.4580947	21	10 13.8	19.1
147199 2002 VU_{105}	15.6	X	331.53466	107.45540	270.66890	7.27282	0.0543761	0.25460415	2.4654284	21	10 1.9	18.7
147200 2002 VS_{110}	14.8	X	242.78898	71.03176	314.18550	16.61781	0.3088431	0.23958675	2.5674039	21	5 9.9	19.7

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147201 2002 VL_{113}	16.7	X	35.78603	303.49198	77.09233	3.38320	0.2347273	0.26642487	2.3919543	21	—	—
147202 2002 VB_{119}	16.1	X	1.83887	58.37563	26.19065	7.14376	0.0876992	0.26747921	2.3856645	21	—	—
147203 2002 VM_{121}	16.5	X	208.59686	69.62163	322.77748	6.67252	0.1072948	0.29198170	2.2502579	21	4 27.3	19.8
147204 2002 VV_{124}	16.3	X	19.65500	270.09422	108.16200	7.18928	0.1575344	0.26347354	2.4097836	21	—	—
147205 2002 VY_{133}	16.4	X	87.85186	238.53122	79.37741	4.81373	0.1851146	0.26839850	2.3802139	21	—	—
147206 2002 VJ_{139}	16.5	X	146.06542	192.24538	167.29832	0.59065	0.2240649	0.22674321	2.6634621	21	1 31.8	20.6
147207 2002 VK_{139}	16.5	X	255.53366	237.98303	142.42220	13.35786	0.1833345	0.24533281	2.5271574	21	6 3.3	20.6
147208 2002 WE	15.4	X	178.07062	258.64955	222.56916	11.31676	0.2455492	0.23926643	2.5696948	21	7 22.9	20.2
147209 2002 WN_{5}	16.5	X	7.48114	302.65117	133.44573	2.96421	0.1413272	0.26672458	2.3901621	21	—	—
147210 2002 WC_{6}	16.3	X	38.60414	137.34472	298.77121	5.24336	0.0997247	0.27321014	2.3521852	21	—	—
147211 2002 WW_{7}	16.8	X	248.39568	48.82220	260.21832	2.09956	0.1513501	0.28690390	2.2767311	21	2 19.1	20.2
147212 2002 WW_{8}	16.8	X	322.51393	14.93480	53.77889	2.01946	0.1673159	0.25996598	2.4314109	21	12 3.6	18.6
147213 2002 WX_{13}	16.1	X	180.26324	181.91372	109.67233	7.34004	0.1107220	0.27315905	2.3524784	21	—	—
147214 2002 WL_{14}	16.3	X	212.93603	280.71180	133.70569	7.30847	0.2805365	0.24233285	2.5479713	21	5 31.6	20.9
147215 2002 WQ_{18}	15.5	X	82.27129	324.05322	42.40568	24.18117	0.2359007	0.27510682	2.3413615	21	—	—
147216 2002 XC_{6}	16.0	X	281.70905	316.21399	105.76586	7.13809	0.1022231	0.25246265	2.4793507	21	9 17.4	19.0
147217 2002 XT_{7}	16.0	X	147.95335	186.92429	264.90202	12.77275	0.1060637	0.23840720	2.5758652	21	5 15.3	20.0
147218 2002 XA_{11}	17.1	X	121.56076	87.32131	294.52463	1.36218	0.2314386	0.27828389	2.3235071	21	1 25.3	20.0
147219 2002 XQ_{12}	16.1	X	160.70096	93.06981	66.10422	9.23598	0.1750251	0.24554493	2.5257018	21	9 2.1	20.4
147220 2002 XZ_{14}	16.8	X	245.49518	333.89132	143.57393	0.61545	0.1273370	0.25303856	2.4755873	21	10 5.5	19.9
147221 2002 XT_{24}	16.3	X	97.28271	272.96199	258.82359	7.82591	0.1368429	0.23809056	2.5781485	21	7 5.9	19.8
147222 2002 XS_{28}	15.6	X	231.32022	157.13199	257.16882	1.69745	0.2120306	0.24372837	2.5382360	21	6 17.8	19.6
147223 2002 XB_{29}	15.6	X	285.98530	251.44809	83.75102	2.46709	0.1439751	0.24116300	2.5562045	21	5 13.2	19.0
147224 2002 XB_{31}	16.0	X	184.14334	303.00155	298.67364	4.93987	0.0724984	0.26457667	2.4030807	21	—	—
147225 2002 XQ_{31}	15.8	X	34.81684	55.20721	291.48406	8.09941	0.2502122	0.26198088	2.4189283	21	12 28.3	18.9
147226 2002 XB_{32}	16.4	X	49.12677	16.01346	345.33926	4.39173	0.1666156	0.26450134	2.4035369	21	—	—
147227 2002 XM_{34}	16.0	X	52.71089	121.45268	289.27791	6.28849	0.0885962	0.26773308	2.3841561	21	—	—
147228 2002 XL_{35}	16.5	X	32.94061	64.08104	279.40157	1.43141	0.2286020	0.26010368	2.4305528	21	12 17.9	19.5
147229 2002 XF_{43}	15.7	X	188.67636	11.68702	113.37727	12.75748	0.0681700	0.24181101	2.5516357	21	8 15.9	19.4
147230 2002 XU_{43}	15.7	X	25.27355	284.83407	58.29414	7.29255	0.1543770	0.25828261	2.4419641	21	11 24.3	18.3
147231 2002 XV_{47}	16.0	X	70.46657	63.31307	300.22748	5.95903	0.1363708	0.26734490	2.3864634	21	—	—
147232 2002 XB_{48}	16.5	X	179.79758	13.51224	287.41217	3.16994	0.1484472	0.27411899	2.3469831	21	—	—
147233 2002 XC_{48}	15.7	X	160.72013	247.84079	270.87084	5.53694	0.1764910	0.24524856	2.5277361	21	8 25.2	19.8
147234 2002 XV_{50}	15.5	X	13.58961	183.26603	78.99781	16.12184	0.0800342	0.24407787	2.5358123	21	6 27.3	18.3
147235 2002 XD_{52}	16.2	X	155.84988	51.59732	66.22258	4.11030	0.0852121	0.23971104	2.5665163	21	6 27.5	19.8
147236 2002 XM_{52}	16.0	X	246.29182	156.79717	248.84829	5.26572	0.1212229	0.24388354	2.5371592	21	6 30.7	19.6
147237 2002 XC_{54}	16.0	X	202.65755	301.87658	104.04352	12.53275	0.1785813	0.23717318	2.5847924	21	5 17.9	20.4
147238 2002 XX_{54}	15.6	X	74.96029	63.73608	119.11677	5.10421	0.2008225	0.23609613	2.5926475	21	7 2.1	18.9
147239 2002 XF_{59}	15.1	X	61.17552	85.34064	96.70114	13.40178	0.1935635	0.22880223	2.6474588	21	6 9.9	18.1
147240 2002 XW_{60}	16.8	X	326.63261	338.34643	74.27363	3.34530	0.1614696	0.25808479	2.4432118	21	11 17.7	18.8
147241 2002 XW_{62}	16.0	X	343.16787	71.36422	317.29174	4.35909	0.1149684	0.25714419	2.4491661	21	11 10.3	18.6
147242 2002 XJ_{63}	15.9	X	313.42019	320.10497	28.62938	3.00669	0.1343478	0.24725488	2.5140435	21	7 15.9	18.5
147243 2002 XV_{70}	16.0	X	228.03774	90.27327	296.22404	2.42884	0.2063352	0.24045495	2.5612201	21	5 10.2	20.2
147244 2002 XE_{72}	16.2	X	298.64702	158.22793	279.69594	9.19854	0.0344234	0.25779246	2.4450584	21	11 7.6	19.3
147245 2002 XV_{77}	15.7	X	201.86409	58.39852	57.55483	5.01025	0.1761589	0.24478760	2.5309085	21	8 12.9	19.8
147246 2002 XW_{77}	15.7	X	99.40639	122.49052	53.29246	7.51217	0.1339488	0.23790648	2.5794782	21	7 15.5	19.3
147247 2002 XA_{80}	15.4	X	277.62303	49.92352	312.37005	4.48129	0.2209685	0.24322405	2.5417434	21	5 26.7	18.9
147248 2002 XC_{80}	14.9	X	21.62553	247.49584	296.94648	11.30895	0.1452218	0.22603105	2.6690537	21	3 15.4	18.0
147249 2002 XZ_{81}	15.7	X	284.57225	99.61288	85.61577	12.66033	0.1630676	0.26380181	2.4077840	21	—	—
147250 2002 XL_{82}	15.7	X	23.77439	290.88227	249.54615	12.50605	0.0909308	0.22526395	2.6751096	21	3 14.4	19.2
147251 2002 XJ_{85}	15.4	X	276.55027	287.66262	59.63052	13.65936	0.2380907	0.24353128	2.5396052	21	5 6.3	19.1
147252 2002 XA_{86}	15.8	X	122.85490	153.02709	286.07043	13.68712	0.0696839	0.22983119	2.6395511	21	3 19.4	19.7
147253 2002 XG_{86}	15.8	X	103.43555	88.94072	54.24076	8.12608	0.1423802	0.23413779	2.6070841	21	6 5.7	19.3
147254 2002 XK_{87}	16.0	X	113.25212	45.69456	71.22538	12.50802	0.1448197	0.23184934	2.6242113	21	5 16.4	19.7
147255 2002 XX_{88}	15.8	X	193.31517	1.80661	46.24254	4.70324	0.1781088	0.23556228	2.5965631	21	5 8.5	19.9
147256 2002 XN_{91}	16.4	X	65.72343	264.85826	242.45338	5.17268	0.1621049	0.22946284	2.6423752	21	4 20.9	19.4
147257 2002 XO_{91}	16.2	X	163.12126	163.38261	92.84337	8.12069	0.0776496	0.26133676	2.4229012	21	—	—
147258 2002 XG_{102}	15.7	X	180.66690	232.40223	59.01123	3.59973	0.2119936	0.27285430	2.3542298	21	—	—
147259 2002 XP_{110}	15.8	X	268.39970	290.76002	23.77605	4.32825	0.2579510	0.23879140	2.5731016	21	3 16.0	20.1
147260 2002 XH_{113}	15.7	X	235.06850	15.22790	65.71348	8.40147	0.2031347	0.24560326	2.5253019	21	7 28.7	19.7
147261 2002 YQ	15.9	X	193.55593	18.36500	93.01807	5.23752	0.1160618	0.24178646	2.5518084	21	7 31.3	19.8
147262 2002 YV	16.1	X	226.87671	134.90268	285.60139	3.30402	0.1840666	0.24150274	2.5538066	21	6 23.8	20.2
147263 2002 YF_{7}	15.4	X	92.52089	345.58172	116.71205	13.05296	0.1453005	0.22524421	2.6752659	21	4 5.9	19.1
147264 2002 YO_{7}	16.0	X	301.45818	103.77663	323.90835	3.70220	0.2627775	0.25273224	2.4775872	21	9 29.5	18.1
147265 2002 YP_{8}	15.7	X	202.55111	347.32368	120.24038	2.81753	0.1439080	0.24403772	2.5360905	21	8 2.6	19.7
147266 2002 YW_{8}	15.7	X	211.68980	248.35452	138.03641	3.31615	0.1738203	0.23699131	2.5861146	21	4 29.2	19.9
147267 2002 YE_{11}	15.3	X	62.68384	99.86485	95.68096	12.97417	0.1063324	0.23010617	2.6374478	21	6 16.7	18.4
147268 2002 YH_{15}	16.4	X	219.50894	290.67256	142.44680	5.04287	0.1419699	0.24367411	2.5386127	21	7 5.6	20.2
147269 2002 YP_{16}	16.2	X	253.03674	172.15006	286.85698	1.10945	0.1277555	0.25204603	2.4820821	21	9 19.3	19.4
147270 2002 YT_{16}	16.1	X	26.36332	179.12344	302.13345	1.65466	0.1855950	0.27406148	2.3473115	21	—	—
147271 2002 YG_{24}	16.0	X	267.17400	78.32189	320.38113	1.65667	0.1504215	0.24536671	2.5269246	21	7 13.7	19.5
147272 2002 YV_{25}	15.5	X	5.19027	62.58715	299.64867	4.93622	0.1720740	0.25507780	2.4623754	21	11 18.8	18.0
147273 2002 YB_{26}	15.6	X	256.70121	291.82630	108.41835	14.16116	0.1732476	0.24416140	2.5352340	21	6 29.7	19.2
147274 2002 YB_{27}	15.4	X	72.34269	276.23278	280.63361	12.99866	0.0427309	0.23644926	2.5900655	21	6 22.8	18.7
147275 2002 YH_{29}	16.2	X	316.49683	209.94275	281.26140	0.95354	0.1492410	0.26224043	2.4173319	21	—	—
147276 2002 YZ_{29}	16.6	X	312.40398	99.39460	35.93039	1.18244	0.1607018	0.26168994	2.4207208	21	—	—
147277 2002 YC_{31}	15.7	X	180.80576	290.21840	298.42757	12.16930	0.2070764	0.25392554	2.4698190	21	12 8.4	19.9
147278 2002 YU_{31}	15.4	X	48.48244	94.28962	124.42048	12.95953	0.2308873	0.22987977	2.6391792	21	7 16.7	18.2
147279 2002 YH_{32}	15.3	X	143.62546	252.19273	226.90127	11.81202	0.2187199	0.23316210	2.6143521	21	6 23.8	19.8
147280 2002 YJ_{33}	15.6	X	59.13492	105.36882	342.50495	1.89419	0.1356850	0.22022582	2.7157548	21	1 17.2	18.4

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147281 2002 YG_{35}	15.0	X	223.60638	269.94185	105.66842	15.67229	0.2374866	0.23851687	2.5750756	21	4 29.6	19.7
147282 2003 AE_{10}	15.8	X	234.49581	178.80383	190.62636	6.39817	0.3016425	0.24110785	2.5565943	21	4 21.2	20.3
147283 2003 AD_{14}	15.8	X	140.20936	320.34451	121.70335	14.12654	0.2619037	0.22979739	2.6398099	21	5 14.5	20.5
147284 2003 AR_{22}	15.5	X	171.03419	181.73988	297.53746	13.07965	0.1710260	0.23580204	2.5948027	21	7 17.9	19.6
147285 2003 AF_{24}	16.4	X	218.58016	122.25377	315.48515	0.49576	0.1597578	0.24328076	2.5413484	21	7 9.7	20.3
147286 2003 AF_{28}	16.0	X	190.55501	170.03433	264.36168	3.26788	0.2008735	0.23756553	2.5819457	21	6 8.0	20.2
147287 2003 AA_{29}	16.6	X	341.56063	291.26394	185.97542	2.25197	0.1515026	0.26403174	2.4063860	21	—	—
147288 2003 AJ_{32}	16.1	X	171.87111	79.67469	346.76928	1.18981	0.0931185	0.23396062	2.6084001	21	5 8.8	19.9
147289 2003 AM_{35}	15.0	X	224.91426	262.45209	112.15101	10.50885	0.2041111	0.23772701	2.5807763	21	4 28.4	19.4
147290 2003 AZ_{35}	15.8	X	264.50561	131.23606	250.57703	7.52015	0.0969850	0.24239899	2.5475077	21	6 24.3	19.3
147291 2003 AD_{38}	16.0	X	214.95054	300.15251	127.95976	8.15037	0.1658618	0.24043381	2.5613702	21	6 23.5	20.2
147292 2003 AY_{39}	15.8	X	59.41202	175.27592	259.86835	8.21647	0.1238372	0.21677261	2.7445203	21	—	—
147293 2003 AR_{42}	15.1	X	295.35664	1.91091	124.47337	16.18319	0.0856235	0.20377747	2.8599950	21	12 24.3	18.8
147294 2003 AD_{43}	16.0	X	201.06044	90.29191	3.96739	2.61612	0.0686632	0.24228230	2.5483257	21	7 18.9	19.6
147295 2003 AE_{48}	15.7	X	109.59291	158.11956	298.21272	12.27366	0.0954894	0.22818678	2.6522170	21	3 29.9	19.6
147296 2003 AS_{54}	16.2	X	237.84190	352.60668	57.80534	3.09673	0.1568353	0.24077859	2.5589245	21	6 24.0	20.1
147297 2003 AO_{57}	15.6	X	164.75302	350.55886	100.11554	8.14526	0.0940647	0.23397110	2.6083222	21	6 3.1	19.5
147298 2003 AR_{57}	15.8	X	293.49336	92.84441	64.35893	2.99712	0.1644058	0.26075785	2.4264860	21	—	—
147299 2003 AU_{58}	15.6	X	119.10393	338.76487	110.50104	13.88366	0.1700951	0.22689030	2.6623109	21	4 25.8	19.7
147300 2003 AQ_{59}	15.0	X	150.73599	168.90427	329.68675	15.51641	0.0852255	0.23555564	2.5966119	21	7 23.0	19.0
147301 2003 AF_{61}	16.1	X	90.39272	347.24059	168.53864	6.55000	0.2570945	0.23103875	2.6303457	21	6 23.7	20.0
147302 2003 AS_{62}	16.1	X	8.72793	286.65419	84.55371	3.42965	0.2046994	0.25730695	2.4481331	21	12 15.1	18.5
147303 2003 AG_{65}	15.2	X	257.25730	302.68520	68.17916	13.38438	0.2069110	0.24031817	2.5621918	21	5 19.6	19.1
147304 2003 AN_{68}	16.7	X	167.45529	165.29518	261.18896	3.21617	0.1930041	0.23246816	2.6195522	21	5 8.7	20.9
147305 2003 AD_{73}	15.4	X	150.00416	330.18883	77.67484	15.50161	0.0468528	0.22552326	2.6730587	21	3 27.4	19.5
147306 2003 AH_{73}	15.5	X	248.67668	300.15081	79.57789	15.56128	0.1819626	0.23714005	2.5850331	21	5 25.7	19.6
147307 2003 AH_{78}	14.9	X	44.53055	90.38156	86.42457	14.07278	0.1223513	0.22672592	2.6635975	21	4 29.1	18.1
147308 2003 AN_{78}	15.5	X	18.59273	298.67775	289.83970	10.83301	0.2027351	0.22830374	2.6513112	21	5 21.3	18.0
147309 2003 AS_{88}	15.6	X	174.41721	235.91797	255.19403	11.07865	0.2494895	0.23881103	2.5729606	21	7 31.9	20.3
147310 2003 AT_{88}	15.5	X	108.44576	216.29344	262.45159	12.39892	0.2063295	0.22789393	2.6544887	21	5 18.9	19.4
147311 2003 AF_{89}	16.0	X	152.68909	61.11470	322.17629	10.65509	0.3144308	0.22927940	2.6437844	21	3 10.2	20.7
147312 2003 AT_{89}	15.3	X	175.50964	272.16067	79.00042	22.32232	0.0483437	0.22373626	2.6872731	21	2 11.2	19.5
147313 2003 AZ_{93}	15.6	X	73.77296	307.11465	194.62939	11.69435	0.1467028	0.22870970	2.6481728	21	4 26.6	18.7
147314 2003 AC_{94}	15.1	X	325.36212	320.58894	340.67312	2.93890	0.0838706	0.17643967	3.1482695	21	6 5.0	19.1
147315 2003 BK_{2}	15.6	X	19.68818	162.33155	293.04325	8.34934	0.1173927	0.21070662	2.7969450	21	—	—
147316 2003 BJ_{6}	16.0	X	91.48772	260.55801	118.68030	1.85325	0.2568109	0.26804062	2.3823321	21	—	—
147317 2003 BF_{7}	16.3	X	159.82890	94.83205	340.34661	1.96892	0.1781273	0.23225210	2.6211766	21	5 11.9	20.5
147318 2003 BD_{8}	16.3	X	258.56155	155.80447	262.35940	2.40321	0.1178963	0.24336697	2.5407482	21	8 2.3	19.8
147319 2003 BG_{8}	16.2	X	229.45966	279.34543	145.87530	5.24979	0.2267476	0.24191437	2.5509088	21	6 28.9	20.4
147320 2003 BZ_{12}	16.4	X	239.50512	115.32493	321.00824	11.18918	0.2178969	0.24290081	2.5439979	21	7 25.3	20.3
147321 2003 BU_{13}	16.5	X	176.81989	323.46063	118.14550	2.51832	0.0850429	0.23499155	2.6007656	21	6 3.6	20.4
147322 2003 BC_{15}	16.2	X	336.86108	102.16060	336.35137	8.27846	0.2134136	0.25820686	2.4424416	21	—	—
147323 2003 BG_{15}	15.8	X	186.71776	9.29785	65.19586	6.23088	0.2481556	0.23590090	2.5940777	21	6 4.8	20.4
147324 2003 BD_{16}	15.0	X	213.58860	298.37290	337.81115	10.95248	0.2493442	0.26219902	2.4175864	21	—	—
147325 2003 BW_{17}	16.3	X	150.56846	338.83132	155.07949	1.19869	0.1098846	0.23615337	2.5922285	21	7 14.2	20.3
147326 2003 BF_{25}	15.6	X	320.79639	341.74564	194.73388	9.07859	0.0988245	0.21213123	2.7844086	21	—	—
147327 2003 BH_{30}	15.6	X	331.27614	0.90438	308.09058	12.89236	0.1417795	0.23665278	2.5885803	21	6 17.7	18.5
147328 2003 BG_{31}	15.9	X	97.98834	286.68904	140.46613	9.94164	0.0627715	0.21981596	2.7191296	21	2 8.5	19.3
147329 2003 BJ_{33}	15.8	X	104.89685	262.96608	309.53476	11.31557	0.1152125	0.23978059	2.5660200	21	9 1.8	19.7
147330 2003 BR_{33}	15.7	X	152.50212	326.83346	130.68714	12.68021	0.1510028	0.23075134	2.6325294	21	6 4.0	20.0
147331 2003 BR_{38}	15.3	X	340.75725	339.28871	295.10276	7.55751	0.1875836	0.23139966	2.6276100	21	5 5.1	18.2
147332 2003 BB_{40}	15.8	X	73.67550	127.24974	119.01450	6.07273	0.2576988	0.23814209	2.5777766	21	10 4.9	19.6
147333 2003 BP_{42}	15.4	X	317.68081	292.74878	292.80883	7.77574	0.2131791	0.21533526	2.7567197	21	1 23.3	19.2
147334 2003 BE_{49}	15.7	X	225.62077	311.09693	128.82416	7.38338	0.0878256	0.23911181	2.5708024	21	7 26.3	19.2
147335 2003 BK_{49}	16.5	X	162.71063	14.53254	66.59369	2.09164	0.1599450	0.23388022	2.6089978	21	5 21.9	20.6
147336 2003 BY_{50}	16.1	X	339.75704	305.61147	122.65765	2.82666	0.1792457	0.25778202	2.4451244	21	—	—
147337 2003 BU_{51}	16.2	X	153.56019	169.63471	332.50689	4.19210	0.1742091	0.23696103	2.5863349	21	7 31.5	20.4
147338 2003 BT_{54}	16.1	X	246.42235	121.10098	299.29915	11.18231	0.2428803	0.24326069	2.5414882	21	7 7.9	20.0
147339 2003 BW_{56}	16.3	X	307.79200	21.85022	148.59027	6.47177	0.0763149	0.26614585	2.3936257	21	—	—
147340 2003 BC_{57}	15.7	X	245.90474	255.23656	127.66760	5.94156	0.3238662	0.24129358	2.5552822	21	5 15.6	20.3
147341 2003 BE_{60}	15.7	X	37.29801	39.10734	114.78087	10.49090	0.2031597	0.22002497	2.7174073	21	3 18.7	18.4
147342 2003 BT_{64}	16.0	X	66.24944	129.54966	304.10051	5.38477	0.0361265	0.21598129	2.7512198	21	1 3.1	19.6
147343 2003 BY_{65}	16.3	X	335.02669	311.01552	149.81459	2.01124	0.1538093	0.25983219	2.4322455	21	—	—
147344 2003 BK_{67}	15.4	X	135.72471	319.70197	89.27056	9.89038	0.1843670	0.22360869	2.6882951	21	3 24.4	19.6
147345 2003 BG_{69}	15.2	X	32.58480	262.96637	351.33342	3.92825	0.1424953	0.17680923	3.1438810	21	7 25.5	18.9
147346 2003 BJ_{71}	15.1	X	1.26705	221.86878	353.34973	12.60213	0.1734178	0.22242404	2.6978320	21	3 23.8	17.9
147347 2003 BL_{71}	15.9	X	170.34800	23.34927	148.30083	9.06534	0.1385677	0.24128703	2.5553284	21	9 24.0	19.9
147348 2003 BF_{72}	15.9	X	147.32119	248.08811	166.33217	11.81548	0.1922941	0.22726059	2.6594182	21	4 8.9	20.1
147349 2003 BC_{73}	16.1	X	199.91945	327.65662	128.84611	6.92855	0.2427525	0.23871235	2.5736696	21	7 12.4	20.6
147350 2003 BD_{78}	15.5	X	134.46772	62.95728	86.22237	8.61306	0.1792672	0.23490715	2.6013886	21	7 23.1	19.7
147351 2003 BB_{81}	15.8	X	291.15402	176.77429	292.73892	11.43074	0.1054263	0.25704359	2.4498051	21	12 5.2	18.5
147352 2003 BG_{81}	16.2	X	58.28942	229.60106	143.14006	4.92594	0.2040209	0.26284244	2.4136394	21	—	—
147353 2003 BH_{81}	16.0	X	90.71000	118.17736	101.66267	13.07800	0.2324805	0.23704913	2.5856941	21	9 18.9	20.2
147354 2003 BY_{82}	15.8	X	118.95196	206.26851	312.39968	4.54390	0.0823871	0.23380988	2.6095211	21	7 8.9	19.4
147355 2003 BV_{83}	15.6	X	59.14419	27.52314	90.41088	5.90149	0.0630749	0.21923611	2.7239219	21	2 22.5	19.0
147356 2003 BN_{87}	15.2	X	345.39022	104.72501	96.59026	12.49917	0.0875592	0.21802332	2.7340141	21	2 22.3	18.8
147357 2003 CF_{2}	16.3	X	197.73620	104.93560	20.35001	4.19578	0.2133796	0.24048715	2.5609914	21	8 18.7	20.5
147358 2003 CZ_{2}	15.8	X	37.89209	141.88846	308.26065	12.76357	0.1574011	0.21431039	2.7655015	21	—	—
147359 2003 CJ_{8}	15.3	X	332.35305	26.41009	148.41178	9.79652	0.1992871	0.21086376	2.7955553	21	—	—
147360 2003 CY_{8}	15.6	X	271.50291	325.85652	252.26910	6.43349	0.0986180	0.21084550	2.7957167	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147361 2003 CP_9	15.4	X	311.65116	298.87869	270.34030	3.74427	0.0910435	0.21570080	2.7536043	21	1 13.1	19.2
147362 2003 CR_9	15.8	X	351.26216	301.09007	267.25234	3.77811	0.0991321	0.22118682	2.7078829	21	3 4.1	19.1
147363 2003 CH_{10}	15.5	X	344.88879	337.43193	168.40256	8.19861	0.1576227	0.21158587	2.7891911	21	—	—
147364 2003 CD_{11}	16.0	X	176.19045	261.76242	187.21306	6.83754	0.2121537	0.23510548	2.5999254	21	6 14.6	20.6
147365 2003 CH_{13}	16.0	X	185.04455	66.91612	43.69796	5.78031	0.2554330	0.23775363	2.5805837	21	7 19.6	20.6
147366 2003 CZ_{18}	15.5	X	222.45014	340.58422	60.55606	14.34317	0.1576175	0.23558377	2.5964052	21	5 26.8	19.4
147367 2003 CA_{20}	15.6	X	269.10891	181.59046	78.09330	10.93307	0.1653593	0.21579538	2.7527998	21	1 20.9	20.0
147368 2003 CP_{21}	16.1	X	317.36718	325.45884	154.68252	2.54744	0.0197013	0.20283732	2.8688255	21	—	—
147369 2003 DA_1	16.5	X	142.49212	136.90024	347.67947	3.54909	0.0399465	0.23317635	2.6142456	21	6 16.9	20.0
147370 2003 DO_{16}	16.1	X	58.64086	295.32809	144.86299	9.84660	0.1264998	0.21571190	2.7535099	21	1 5.8	19.4
147371 2003 DU_{16}	15.8	X	45.48913	320.68259	124.89759	3.77107	0.0276708	0.21266046	2.7797872	21	—	—
147372 2003 DB_{20}	16.7	X	154.70998	219.22251	273.30741	1.60615	0.1625985	0.23521276	2.5991348	21	7 18.9	20.8
147373 2003 EB	16.2	X	338.54850	309.75025	227.50344	8.21780	0.0919833	0.21509646	2.7587597	21	1 6.9	19.8
147374 2003 EE_3	15.7	X	42.68820	350.31521	90.66156	5.58168	0.0394785	0.21144907	2.7903940	21	—	—
147375 2003 EH_5	16.2	X	28.92951	11.94450	199.25026	1.69796	0.1372862	0.22602189	2.6691258	21	5 15.5	19.0
147376 2003 EM_{21}	15.5	X	109.56949	334.19726	176.95858	13.02517	0.1272503	0.22932096	2.6434649	21	6 22.6	19.5
147377 2003 ET_{21}	16.1	X	152.58603	312.86733	133.46982	4.82802	0.1010222	0.22838129	2.6507109	21	5 16.3	20.0
147378 2003 EP_{22}	15.9	X	27.64877	207.52999	18.85026	3.73356	0.2900928	0.22396172	2.6854693	21	6 23.2	17.9
147379 2003 EA_{23}	15.4	X	288.91207	105.30583	119.24070	4.98318	0.1426948	0.21053828	2.7984357	21	—	—
147380 2003 EC_{26}	15.8	X	262.66028	84.32555	116.94356	3.52640	0.1955053	0.20429800	2.8551349	21	—	—
147381 2003 EE_{29}	15.9	X	86.13969	32.34254	89.80466	5.18019	0.1446769	0.22204763	2.7008800	21	4 19.6	19.3
147382 2003 EC_{33}	16.2	X	13.18027	65.63295	116.35315	2.07291	0.0853618	0.21840731	2.7308086	21	3 8.1	19.3
147383 2003 EJ_{36}	16.2	X	320.59839	194.29301	20.19641	1.58145	0.1616766	0.21431169	2.7654903	21	1 21.8	19.9
147384 2003 EW_{36}	15.6	X	76.64687	352.94146	79.84981	14.29488	0.1818082	0.21750186	2.7383822	21	2 5.8	18.9
147385 2003 ER_{39}	15.5	X	28.16840	118.64987	55.89362	15.46246	0.0561673	0.22035399	2.7147016	21	3 29.2	19.1
147386 2003 ED_{53}	15.4	X	98.87517	100.30381	118.07805	13.70069	0.1466814	0.23067514	2.6331091	21	9 14.2	19.5
147387 2003 EJ_{53}	15.5	X	141.04559	1.19354	134.49865	15.58098	0.0623567	0.23125989	2.6286686	21	7 2.8	19.4
147388 2003 EO_{57}	15.6	X	128.01771	39.73581	97.54152	13.81218	0.2437917	0.23219195	2.6216293	21	7 5.7	19.8
147389 2003 EV_{57}	14.2	X	46.61302	137.46554	104.97646	17.60997	0.1708928	0.17744734	3.1363394	21	8 6.1	18.2
147390 2003 EK_{58}	14.7	X	126.40318	271.68523	230.99043	17.91581	0.1076529	0.17447264	3.1718879	21	6 26.8	19.7
147391 2003 EO_{59}	15.0	X	62.09005	129.13413	325.86818	13.07740	0.1660385	0.21431747	2.7654406	21	2 6.6	17.8
147392 2003 ET_{61}	15.7	X	56.04929	13.76292	92.55637	9.27013	0.0652785	0.21524750	2.7574690	21	2 3.3	19.2
147393 2003 EV_{61}	15.2	X	141.05248	119.52859	84.70803	6.15852	0.0309324	0.18644722	3.0345813	21	9 28.5	19.6
147394 2003 EB_{62}	15.3	X	322.62504	248.51960	157.79348	10.99068	0.1015393	0.19122225	2.9838507	21	10 22.1	19.1
147395 2003 EE_{62}	14.9	X	241.14933	296.96292	149.95262	15.01667	0.1188274	0.18220520	3.0815002	21	8 16.4	19.4
147396 2003 EQ_{62}	15.1	X	267.83427	324.64828	141.79047	16.17712	0.1344533	0.19252095	2.9704167	21	10 16.9	19.4
147397 Bobhazel	15.8	X	272.77063	298.09578	179.74286	4.61127	0.1250630	0.19532716	2.9418981	21	11 4.2	19.6
147398 2003 FX_8	14.4	X	42.39972	343.71245	259.22307	24.34389	0.2937832	0.17504567	3.1649618	21	8 5.8	18.7
147399 2003 FV_{11}	15.8	X	142.45988	357.95910	319.88671	1.05687	0.0733102	0.20155215	2.8810077	21	—	—
147400 2003 FF_{17}	15.6	X	103.24818	265.59062	55.83825	2.83328	0.0257272	0.19914731	2.9041547	21	—	—
147401 2003 FJ_{21}	15.1	X	354.74037	107.32560	52.70230	9.96470	0.0875570	0.20929514	2.8095059	21	1 12.5	18.8
147402 2003 FB_{34}	16.0	X	170.06874	70.80081	9.89188	2.13532	0.0353422	0.22617616	2.6679120	21	5 23.2	19.8
147403 2003 FW_{41}	15.6	X	243.67332	86.60730	102.53077	4.76784	0.1546129	0.19891766	2.9063896	21	12 20.7	19.7
147404 2003 FS_{43}	15.6	X	133.91990	207.25456	19.38885	3.02677	0.0697576	0.18645873	3.0344564	21	10 16.6	20.1
147405 2003 FG_{46}	16.5	X	126.06748	31.40488	148.63629	1.02311	0.0635254	0.23333509	2.6130598	21	8 12.8	20.2
147406 2003 FR_{52}	15.4	X	354.63286	140.66536	139.15866	14.60366	0.0706799	0.22830613	2.6512927	21	6 22.7	18.8
147407 2003 FV_{56}	15.5	X	54.85775	245.45419	42.86147	1.72116	0.1087682	0.18590161	3.0405159	21	10 6.6	19.5
147408 2003 FE_{61}	14.7	X	233.65542	264.42346	155.83433	10.11657	0.0904782	0.17949456	3.1124463	21	7 8.4	19.4
147409 2003 FL_{65}	14.4	X	331.03265	155.57762	153.48486	9.98108	0.0738721	0.17469959	3.1691402	21	6 25.5	18.6
147410 2003 FM_{67}	14.9	X	169.19058	9.65750	157.05085	9.22205	0.0504272	0.18378826	3.0637797	21	9 11.8	19.5
147411 2003 FG_{72}	15.8	X	51.66581	326.04162	135.91725	8.19992	0.1935095	0.21305324	2.7763696	21	1 28.9	18.4
147412 2003 FN_{79}	14.8	X	127.30907	4.77449	206.86032	10.04576	0.0637136	0.18345589	3.0674791	21	9 18.3	19.4
147413 2003 FK_{89}	15.3	X	154.81150	340.25264	216.54214	8.87593	0.0864351	0.18598072	3.0396536	21	10 1.2	20.1
147414 2003 FQ_{89}	14.7	X	297.15212	118.39278	234.46039	7.19060	0.0836698	0.17642565	3.1484362	21	7 1.8	19.0
147415 2003 FG_{99}	14.5	X	288.76542	286.06622	41.43291	4.98297	0.1337900	0.17160121	3.2071738	21	5 12.2	19.0
147416 2003 FO_{113}	15.7	X	246.64903	5.27205	184.16108	1.63445	0.0173015	0.19981561	2.8976757	21	—	—
147417 2003 FH_{117}	15.6	X	348.97902	19.50729	166.59064	5.05460	0.1030135	0.21262166	2.7801253	21	2 1.8	19.1
147418 2003 FS_{117}	15.8	X	302.78130	159.18214	74.84883	5.23214	0.0778955	0.21486348	2.7607536	21	2 6.2	19.6
147419 2003 FK_{121}	16.0	X	32.06249	220.61917	214.97655	1.28803	0.0221555	0.20486850	2.8498320	21	—	—
147420 2003 FJ_{130}	14.9	X	68.67042	309.45260	242.28899	9.12069	0.0230545	0.17191750	3.2032388	21	6 9.3	19.3
147421 Gárdonyi	15.6	X	95.94717	229.28736	130.61522	6.97795	0.0627212	0.19808494	2.9145292	21	—	—
147422 2003 GR_{14}	15.5	X	147.22546	281.87963	119.45682	12.47399	0.0244867	0.21720791	2.7408523	21	3 9.1	19.4
147423 2003 GV_{16}	14.7	X	40.93929	205.33795	65.40217	11.52657	0.0399097	0.18013299	3.1050877	21	8 20.8	19.1
147424 2003 GA_{17}	15.5	X	34.84069	232.88318	291.97877	10.55276	0.1784503	0.21881493	2.7274162	21	3 16.3	18.5
147425 2003 GF_{37}	15.4	X	88.90148	69.67037	134.18651	15.79743	0.1319671	0.23021964	2.6365811	21	8 7.7	18.9
147426 2003 GE_{38}	15.5	X	282.02217	38.28867	106.19002	3.35977	0.0422104	0.19724556	2.9227919	21	12 29.9	19.4
147427 2003 GN_{44}	14.9	X	81.53513	179.04387	89.31032	19.32492	0.1809959	0.18284723	3.0742826	21	10 31.2	19.8
147428 2003 GM_{54}	15.4	X	80.65327	246.42742	81.24426	2.07283	0.1543129	0.19285978	2.9669367	21	12 29.0	19.9
147429 2003 HQ_9	15.4	X	107.66731	151.54286	104.64089	6.67264	0.1246438	0.18280229	3.0747865	21	10 31.3	20.2
147430 2003 HE_{13}	15.1	X	9.08225	207.74966	102.84502	4.87912	0.0724848	0.17700691	3.1415398	21	8 26.5	19.1
147431 2003 JA	17.8	X	177.29521	5.74638	91.67431	9.97335	0.0830756	0.44142993	1.7082897	21	6 21.6	19.2
147432 2003 JF_9	14.9	X	241.81052	307.77945	97.04749	5.00401	0.0709119	0.17219358	3.1998140	21	7 1.1	19.6
147433 2003 JS_{11}	14.9	X	240.45654	9.23558	81.02504	11.40792	0.0336447	0.18018805	3.1044552	21	9 5.4	19.5
147434 2003 OM_{14}	17.1	X	226.29692	113.28422	269.43074	17.69092	0.1040636	0.37320719	1.9105983	21	4 26.1	19.8
147435 2003 QV_{112}	16.7	X	112.82119	163.71791	277.33443	20.36347	0.0740907	0.36357551	1.9441942	21	2 10.5	19.0
147436 2003 RV_{23}	16.5	X	82.45222	274.31867	256.88837	18.42134	0.0836492	0.36996123	1.9217575	21	5 31.9	18.0
147437 2003 SC_{18}	16.9	X	244.34223	159.27273	175.35996	22.47868	0.0512140	0.36709437	1.9317499	21	3 17.2	18.6
147438 2003 UD_{14}	16.2	X	261.84996	26.29893	258.32328	18.95190	0.0494501	0.35985500	1.9575717	21	1 20.3	18.8
147439 2003 WK_{106}	15.6	X	55.44363	25.25564	41.71613	24.64148	0.2019877	0.28743703	2.2739151	21	—	—
147440 2003 XA_{16}	16.2	X	331.79163	122.05975	252.01947	1.27242	0.0931849	0.21227906	2.7831158	21	9 23.1	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147441 2003 XY_{17}	15.7	X	226.63114	220.92273	81.18860	26.14405	0.2432057	0.29290103	2.2455468	21	1 22.3	19.9
147442 2003 XN_{26}	16.4	X	196.76775	212.97872	110.42209	7.26095	0.1627495	0.29600111	2.2298406	21	1 19.8	19.6
147443 2003 YK_{47}	16.9	X	184.49765	109.50829	270.50461	1.84247	0.2353959	0.29961965	2.2118510	21	3 22.7	20.5
147444 2003 YA_{50}	16.7	X	322.43043	330.57867	277.40846	2.49457	0.0862270	0.29988373	2.2105522	21	3 3.2	19.2
147445 2003 YG_{90}	16.6	X	292.76199	145.70151	98.50753	7.38808	0.1330390	0.28935811	2.2638394	21	1 15.5	19.8
147446 2003 YG_{94}	15.4	X	48.59820	147.61949	305.35163	25.33357	0.2424423	0.28416469	2.2913388	21	—	—
147447 2003 YT_{119}	16.3	X	217.01758	282.86263	72.48166	4.30366	0.2092244	0.30051228	2.2074687	21	3 21.4	19.8
147448 2003 YT_{136}	16.7	X	106.51330	328.39715	119.41324	8.11688	0.0743774	0.29447615	2.2375322	21	3 11.7	19.2
147449 2003 YQ_{154}	15.3	X	163.84637	192.25200	325.28776	19.70467	0.0563238	0.36954754	1.9231914	21	9 1.8	17.5
147450 2003 YN_{172}	16.5	X	264.38586	163.46172	78.16232	6.00606	0.0958604	0.28656447	2.2785286	21	—	—
147451 2004 BH_{3}	16.2	X	56.33960	144.92495	117.26894	3.16093	0.1628157	0.25398551	2.4694302	21	9 21.4	19.2
147452 2004 BH_{9}	16.3	X	68.84418	97.32977	55.56658	9.83810	0.0539813	0.29672196	2.2262277	21	4 14.8	18.7
147453 2004 BZ_{10}	16.8	X	60.63795	4.77012	134.80215	6.17994	0.1572206	0.29257984	2.2471900	21	3 23.1	18.6
147454 2004 BT_{14}	16.2	X	209.41410	304.62385	278.33542	3.22454	0.0840147	0.27296456	2.3535958	21	—	—
147455 2004 BK_{20}	16.4	X	245.40779	15.86778	11.49611	3.48278	0.1775004	0.31042611	2.1602162	21	5 27.3	19.3
147456 2004 BA_{30}	17.1	X	334.91223	180.14859	336.41035	2.43592	0.1159808	0.28149225	2.3058183	21	—	—
147457 2004 BC_{37}	16.8	X	24.69515	265.01007	104.05543	4.12272	0.1777774	0.27078797	2.3661911	21	—	—
147458 2004 BY_{42}	16.9	X	133.31156	262.19960	179.94598	6.48849	0.0626140	0.29610820	2.2293030	21	4 6.0	19.4
147459 2004 BV_{48}	16.7	X	244.74828	325.40691	282.98009	3.03901	0.1345662	0.28222982	2.3017993	21	—	—
147460 2004 BL_{56}	16.5	X	239.50083	297.98820	280.53093	1.47037	0.1599951	0.27333310	2.3514797	21	—	—
147461 2004 BJ_{66}	16.9	X	220.02851	235.21756	107.70620	5.99625	0.0638135	0.29634854	2.2280975	21	3 10.5	19.8
147462 2004 BA_{87}	16.7	X	131.83219	356.67902	130.83572	7.76261	0.1831752	0.30174548	2.2014502	21	6 21.3	19.9
147463 2004 BG_{91}	17.1	X	44.09344	296.09418	299.64112	4.33144	0.1002919	0.30312717	2.1947555	21	7 14.5	19.2
147464 2004 BL_{91}	16.7	X	52.52320	23.15636	152.86101	4.97411	0.1324267	0.29608395	2.2294247	21	4 30.6	18.6
147465 2004 BQ_{91}	16.3	X	268.28415	336.70738	252.30981	1.46461	0.1739433	0.27812825	2.3243738	21	—	—
147466 2004 BZ_{104}	15.9	X	303.74682	97.01814	146.78354	2.48770	0.0816921	0.23400359	2.6080808	21	2 13.9	19.5
147467 2004 BS_{108}	16.6	X	322.21189	165.35410	20.24470	5.94778	0.0990585	0.28276920	2.2988712	21	—	—
147468 2004 BJ_{114}	16.7	X	125.46397	202.18585	304.95351	5.64870	0.1134508	0.30214516	2.1995084	21	7 4.6	19.6
147469 2004 BM_{117}	16.7	X	144.10215	357.63913	66.00437	6.82403	0.0569701	0.29513774	2.2341871	21	3 27.7	19.5
147470 2004 BX_{117}	16.4	X	0.40831	247.06769	236.47030	6.06113	0.0940511	0.28206750	2.3026823	21	—	—
147471 2004 BF_{149}	17.5	X	68.15313	43.28548	15.37770	1.05356	0.0467365	0.28396526	2.2924115	21	—	—
147472 2004 BD_{152}	16.8	X	347.49804	320.97453	247.93752	3.64410	0.1631527	0.29072136	2.2567568	21	2 2.7	19.2
147473 2004 CC_{7}	16.7	X	206.68172	199.35052	13.75784	3.12076	0.1616048	0.26902619	2.3765101	21	12 20.8	20.1
147474 2004 CG_{19}	17.0	X	243.46077	102.03097	133.40767	7.22924	0.1630522	0.27856281	2.3219558	21	—	—
147475 2004 CE_{24}	16.4	X	186.35563	323.08872	288.80415	2.10952	0.1121308	0.26986733	2.3715694	21	—	—
147476 2004 CK_{24}	16.4	X	120.84498	96.17150	172.01194	1.35104	0.1601602	0.26269577	2.4145377	21	12 6.9	20.2
147477 2004 CV_{26}	16.7	X	266.78328	287.79429	313.55719	2.86283	0.0881038	0.28141324	2.3062499	21	—	—
147478 2004 CZ_{29}	17.2	X	212.90163	88.37077	132.35268	2.71356	0.1506398	0.27144593	2.3623659	21	—	—
147479 2004 CH_{30}	16.3	X	38.40427	315.48526	330.57090	1.60127	0.1896632	0.25526020	2.4612023	21	9 30.6	19.1
147480 2004 CA_{35}	15.9	X	7.74345	248.15300	113.17875	9.12069	0.2968756	0.26832142	2.3806697	21	12 19.1	18.2
147481 2004 CO_{37}	16.2	X	326.90355	311.87378	174.84900	10.91618	0.0794116	0.27434989	2.3456661	21	—	—
147482 2004 CS_{40}	17.1	X	298.11411	274.73587	201.96146	1.85243	0.1661272	0.27043788	2.3682327	21	12 28.5	19.0
147483 2004 CW_{42}	16.7	X	193.22533	122.93680	81.10319	2.91474	0.1288259	0.26432139	2.4046277	21	11 27.8	20.2
147484 2004 CR_{53}	16.2	X	164.26939	193.31035	141.10189	3.87658	0.1524546	0.22419274	2.6836241	21	1 12.5	20.3
147485 2004 CU_{54}	16.5	X	230.92539	219.91530	4.55318	3.27525	0.0900636	0.27300838	2.3533439	21	—	—
147486 2004 CV_{55}	16.4	X	116.54187	338.17372	106.76828	7.03387	0.0820313	0.29288605	2.2456234	21	3 24.4	19.1
147487 2004 CJ_{56}	17.0	X	170.33544	52.25219	120.04209	2.22127	0.1295605	0.25592551	2.4569350	21	9 25.1	20.6
147488 2004 CM_{67}	16.1	X	141.21108	174.95364	121.61766	8.05670	0.1065700	0.27261713	2.3555950	21	—	—
147489 2004 CA_{74}	16.2	X	265.04404	103.76359	91.77353	9.68225	0.1362005	0.27331283	2.3515959	21	—	—
147490 2004 CM_{75}	17.4	X	23.56091	229.01093	212.53539	2.22178	0.1984067	0.28079191	2.3096508	21	—	—
147491 2004 CO_{77}	15.6	X	194.24426	111.18528	147.84713	3.16537	0.0316815	0.21765058	2.7371346	21	—	—
147492 2004 CW_{78}	16.8	X	253.95854	70.26256	37.86947	1.69860	0.1431110	0.26154685	2.4216036	21	10 2.8	20.0
147493 2004 CA_{79}	16.9	X	309.15312	71.10401	86.31333	3.17629	0.1139293	0.27631856	2.3345115	21	—	—
147494 2004 CS_{85}	17.2	X	122.61634	127.22091	6.24356	1.86340	0.0857715	0.30062097	2.2069367	21	6 6.8	19.8
147495 2004 CQ_{86}	17.0	X	87.06079	1.60248	126.04275	4.00304	0.1188654	0.29414860	2.2391930	21	4 15.5	19.4
147496 2004 CE_{95}	17.0	X	293.12541	298.66229	258.16015	1.58143	0.1535516	0.27833099	2.3232450	21	—	—
147497 2004 CO_{99}	16.2	X	144.65849	98.38253	103.67051	3.09115	0.1585483	0.25470716	2.4647637	21	10 8.6	20.1
147498 2004 CZ_{99}	16.3	X	298.63119	56.26760	88.14271	3.63828	0.1132752	0.27218322	2.3580979	21	—	—
147499 2004 CR_{100}	16.8	X	80.08771	358.22922	103.71238	4.16639	0.0469161	0.28795786	2.2711724	21	2 15.0	19.2
147500 2004 CX_{100}	16.2	X	275.94562	250.66463	330.67187	2.92736	0.1376873	0.27700779	2.3306375	21	—	—
147501 2004 CJ_{103}	16.0	X	177.93593	309.88149	271.58329	6.29240	0.0667989	0.26471197	2.4022618	21	12 8.3	19.3
147502 2004 CT_{103}	16.5	X	155.87508	293.65599	297.41044	4.04519	0.1360706	0.26109003	2.4244274	21	11 22.4	20.2
147503 2004 CW_{104}	16.7	X	8.61390	187.91203	308.24434	2.64469	0.1769581	0.28225001	2.3016895	21	—	—
147504 2004 CU_{105}	16.3	X	205.74284	299.30404	256.17296	8.08868	0.1536282	0.26451560	2.4034505	21	11 27.4	19.7
147505 2004 CW_{106}	15.8	X	284.56790	301.34235	228.41150	6.25157	0.0915088	0.27301965	2.3532792	21	—	—
147506 2004 CF_{107}	16.4	X	80.65103	167.53680	311.42995	6.95292	0.0768952	0.29011792	2.2598850	21	3 11.5	18.8
147507 2004 CQ_{130}	15.9	X	44.76285	153.43617	65.11145	11.47025	0.0645650	0.24296029	2.5435826	21	6 13.7	19.0
147508 2004 DA_{5}	16.5	X	292.04125	49.63903	99.16697	6.66386	0.0521710	0.27286030	2.3541953	21	—	—
147509 2004 DD_{6}	16.8	X	13.90568	296.91463	143.37236	5.03310	0.1130887	0.27589923	2.3368763	21	—	—
147510 2004 DR_{9}	16.2	X	253.00181	62.79724	115.75977	8.40280	0.0989900	0.26856556	2.3792268	21	—	—
147511 2004 DS_{9}	16.2	X	307.51987	163.81681	87.82452	8.91504	0.0997688	0.28680589	2.2772498	21	2 20.8	19.1
147512 2004 DH_{14}	16.4	X	322.86502	85.14848	54.29183	2.74117	0.0755050	0.27387051	2.3484025	21	—	—
147513 2004 DW_{16}	16.7	X	356.66690	317.62491	157.43480	3.89214	0.0661584	0.27806906	2.3247037	21	—	—
147514 2004 DU_{18}	16.2	X	31.16514	24.23731	141.14224	4.86541	0.1011460	0.23114891	2.6295099	21	3 12.9	19.1
147515 2004 DM_{20}	16.2	X	281.02169	317.15965	278.88674	6.42284	0.0623116	0.28199592	2.3030719	21	—	—
147516 2004 DH_{37}	16.3	X	37.74913	66.29794	138.22334	3.69501	0.1465413	0.29354597	2.2422566	21	5 18.2	18.0
147517 2004 DJ_{37}	16.4	X	323.79775	151.16786	89.14641	3.39886	0.1130355	0.28686506	2.2769366	21	2 23.4	19.1
147518 2004 DT_{37}	14.9	X	219.52750	331.64976	22.10968	8.21543	0.1872290	0.23190596	2.6237841	21	3 27.1	19.1
147519 2004 DV_{37}	16.7	X	83.68172	252.22997	175.31181	6.57414	0.2109507	0.28591604	2.2819723	21	1 21.1	18.6
147520 2004 DJ_{40}	16.7	X	56.21689	209.49295	319.96446	4.98708	0.0908832	0.29474672	2.2361627	21	4 16.7	18.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147521 2004 DK_{41}	16.3	X	182.54922	165.31898	62.66681	4.96945	0.2124223	0.26225403	2.4172483	21	12 9.9	20.3
147522 2004 DY_{41}	16.4	X	23.95021	151.07806	323.88954	6.49392	0.1321279	0.28170963	2.3046320	21	—	—
147523 2004 DC_{42}	16.5	X	253.85254	348.47691	209.23434	1.97826	0.1023195	0.27109717	2.3643915	21	—	—
147524 2004 DE_{42}	16.9	X	102.20101	48.04125	123.06072	4.59243	0.1218917	0.29997183	2.2101194	21	7 9.9	19.6
147525 2004 DQ_{45}	16.3	X	18.61400	69.12829	157.57615	4.60418	0.2532116	0.23456584	2.6039114	21	5 23.9	18.1
147526 2004 DY_{45}	16.1	X	158.83227	154.22702	125.79577	3.05497	0.1976217	0.26767077	2.3845261	21	—	—
147527 2004 DG_{47}	16.6	X	229.77397	251.77526	298.27166	5.27765	0.0732140	0.26717017	2.3875038	21	12 31.3	19.7
147528 2004 DO_{52}	17.2	X	72.46171	319.48987	248.55199	1.41371	0.0880898	0.30180621	2.2011549	21	7 16.4	19.4
147529 2004 DP_{53}	16.2	X	329.17957	170.40998	56.50706	4.04080	0.1877368	0.28488693	2.2874645	21	1 31.5	18.9
147530 2004 DF_{60}	16.2	X	132.57429	338.35132	293.18520	1.76629	0.1735972	0.26405638	2.4062363	21	12 21.6	20.2
147531 2004 DS_{62}	16.5	X	51.77660	81.63898	309.22672	3.49648	0.1555975	0.27492432	2.3423976	21	—	—
147532 2004 DF_{66}	16.3	X	137.31334	167.73723	89.17386	3.38970	0.1760298	0.25896859	2.4376498	21	12 7.5	20.2
147533 2004 EN_{3}	16.2	X	330.24282	92.04647	92.87837	8.26449	0.0540995	0.28203459	2.3028614	21	—	—
147534 2004 EF_{6}	16.8	X	280.37961	44.40508	194.80542	1.14601	0.1334604	0.28047150	2.3114095	21	—	—
147535 2004 EH_{14}	15.9	X	174.40209	189.83685	113.43154	3.62231	0.1757822	0.27209477	2.3586088	21	—	—
147536 2004 EK_{14}	16.3	X	174.23694	234.91517	133.62289	7.56759	0.0324301	0.28549750	2.2842020	21	2 14.5	19.2
147537 2004 EF_{15}	16.1	X	251.81445	159.48180	87.50949	7.76731	0.0815542	0.27732978	2.3288331	21	—	—
147538 2004 EF_{24}	16.7	X	205.26122	149.86712	46.87203	4.20510	0.1531089	0.26313885	2.4118265	21	11 28.2	20.2
147539 2004 EB_{27}	16.5	X	338.51773	34.70201	108.23779	0.43319	0.1601639	0.27601340	2.3362318	21	—	—
147540 2004 EC_{28}	16.7	X	69.37634	321.31192	356.01080	1.11555	0.1908537	0.25941884	2.4348285	21	12 20.5	20.3
147541 2004 EO_{31}	16.2	X	159.85312	345.36674	250.37033	6.36917	0.1353871	0.25995904	2.4314542	21	12 2.7	19.7
147542 2004 ET_{31}	16.2	X	354.63486	2.52065	307.39364	5.21011	0.1453493	0.30175932	2.2013829	21	8 9.5	17.6
147543 2004 ED_{33}	16.0	X	71.57275	353.02683	246.23076	13.02136	0.1400590	0.24546690	2.5262370	21	8 28.5	19.7
147544 2004 EN_{36}	16.6	X	25.93045	158.49516	319.08193	3.59633	0.1404482	0.28122977	2.3072528	21	—	—
147545 2004 EA_{50}	16.7	X	211.21486	81.50756	190.17409	2.26825	0.1457902	0.27482853	2.3429418	21	—	—
147546 2004 EN_{50}	17.2	X	156.69102	318.26819	99.97016	1.85626	0.1423553	0.29463738	2.2367159	21	4 11.6	20.3
147547 2004 EQ_{52}	16.1	X	0.48595	224.80177	72.30132	4.26431	0.0970934	0.24524049	2.5277916	21	7 28.8	18.7
147548 2004 EY_{59}	16.8	X	29.40755	16.41033	168.53283	0.93441	0.1442691	0.28848817	2.2683882	21	3 26.3	18.6
147549 2004 EO_{61}	16.0	X	268.33903	184.03040	178.43728	11.38515	0.1529353	0.24372760	2.5382413	21	5 27.9	19.7
147550 2004 EQ_{63}	16.0	X	125.50728	15.53404	308.44700	2.11639	0.2081447	0.26752407	2.3853977	21	—	—
147551 2004 EB_{80}	15.8	X	146.37788	196.56991	47.67577	7.14107	0.0995438	0.26211600	2.4180968	21	11 30.3	19.4
147552 2004 EV_{85}	16.5	X	249.59437	112.42970	66.60842	4.18778	0.0936616	0.26726118	2.3869618	21	—	—
147553 2004 EW_{85}	16.6	X	338.96152	149.07711	70.53238	3.81766	0.0646314	0.28687379	2.2768905	21	2 24.8	19.2
147554 2004 EE_{96}	15.5	X	180.48728	304.74233	149.38221	22.58963	0.0858191	0.24073317	2.5592463	21	6 25.8	19.7
147555 2004 FU_{11}	16.5	X	47.37002	166.26614	304.95633	5.23597	0.1075802	0.28309495	2.2971074	21	1 8.1	18.4
147556 2004 FK_{14}	16.6	X	339.49605	304.00178	210.11734	3.16935	0.1500709	0.27694101	2.3310121	21	—	—
147557 2004 FY_{14}	16.9	X	9.26314	200.91354	288.79360	1.55265	0.1530812	0.27957195	2.3163650	21	—	—
147558 2004 FZ_{14}	16.7	X	187.71185	187.53298	292.76734	2.25091	0.0246204	0.30418095	2.1896836	21	8 10.7	19.3
147559 2004 FR_{20}	16.4	X	316.49372	275.61552	266.76188	1.11197	0.1418144	0.27781093	2.3261434	21	—	—
147560 2004 FN_{25}	15.5	X	197.04979	4.26082	15.59373	14.58935	0.0903941	0.23255128	2.6189280	21	4 6.4	19.2
147561 2004 FD_{26}	16.3	X	356.33495	279.55896	236.00267	3.36920	0.1157251	0.27929731	2.3178832	21	—	—
147562 2004 FD_{31}	15.6	X	30.66592	356.95541	124.09283	23.74792	0.1582229	0.28229674	2.3014355	21	—	—
147563 2004 FA_{33}	15.9	X	232.28483	305.05372	328.61044	6.65019	0.0994979	0.27756443	2.3275205	21	—	—
147564 2004 FM_{33}	16.6	X	3.38069	197.13888	247.23815	5.03893	0.1086694	0.27276941	2.3547182	21	—	—
147565 2004 FL_{34}	16.1	X	110.05379	253.62520	66.74891	4.37451	0.1074594	0.26574884	2.3960091	21	—	—
147566 2004 FB_{37}	15.4	X	248.84117	192.49931	168.93342	12.04926	0.1967018	0.23953300	2.5677879	21	5 2.3	19.6
147567 2004 FE_{41}	16.9	X	28.22218	80.84581	3.09591	2.28157	0.1903423	0.27711718	2.3300241	21	—	—
147568 2004 FW_{45}	16.5	X	202.53912	195.34390	72.77961	5.17191	0.1319807	0.26876989	2.3780208	21	—	—
147569 2004 FN_{50}	16.9	X	353.78382	217.81974	336.59455	2.98376	0.1677014	0.28392374	2.2926350	21	1 26.3	18.9
147570 2004 FK_{53}	16.4	X	292.97997	81.35249	216.21247	3.06176	0.1698357	0.23726999	2.5840892	21	3 28.2	19.8
147571 2004 FH_{55}	15.5	X	50.49447	251.84724	64.97067	3.34220	0.1171922	0.20112903	2.8850469	21	11 9.1	19.4
147572 2004 FK_{58}	16.8	X	13.67441	68.76735	121.24658	1.30327	0.1424374	0.28667452	2.2779455	21	3 1.2	18.6
147573 2004 FW_{62}	15.7	X	93.14525	190.32357	150.33244	3.29912	0.1925324	0.26508504	2.4000073	21	—	—
147574 2004 FC_{67}	16.5	X	43.40267	27.85207	110.91839	4.29996	0.1126038	0.28609249	2.2810339	21	2 11.1	18.5
147575 2004 FR_{69}	16.6	X	329.41918	205.41424	59.82075	2.18470	0.1391723	0.23217480	2.6217584	21	4 12.1	19.6
147576 2004 FA_{94}	16.6	X	238.74278	6.85802	122.51537	3.84839	0.1206813	0.25779816	2.4450224	21	10 16.2	19.8
147577 2004 FR_{97}	16.7	X	100.93392	33.94598	108.84111	7.03941	0.0633093	0.29523351	2.2337040	21	5 19.9	19.3
147578 2004 FL_{107}	16.5	X	259.70371	354.12499	228.79189	1.79201	0.1194957	0.27247029	2.3564412	21	—	—
147579 2004 FF_{110}	15.9	X	304.88727	59.51350	193.60600	2.20095	0.2067450	0.22480875	2.6787195	21	2 10.5	19.7
147580 2004 FW_{125}	16.9	X	32.09651	281.92166	202.02358	2.77593	0.0961684	0.28151272	2.3057066	21	—	—
147581 2004 FR_{126}	17.0	X	35.48752	58.51707	10.23083	4.16190	0.1038416	0.27322060	2.3521251	21	—	—
147582 2004 FG_{130}	16.9	X	129.47380	21.69694	119.97918	6.74360	0.0833605	0.29885278	2.2156331	21	6 27.9	19.6
147583 2004 FR_{130}	16.1	X	75.35245	184.29113	110.92147	9.38706	0.1606686	0.25312032	2.4750542	21	11 26.9	19.8
147584 2004 FB_{134}	16.6	X	147.18111	134.59955	307.48361	6.36861	0.0999642	0.29435938	2.2381239	21	4 24.9	19.8
147585 2004 FX_{134}	16.5	X	36.37749	293.39244	314.84063	5.87546	0.1637417	0.29700561	2.2248101	21	7 30.9	18.3
147586 2004 FW_{141}	16.9	X	221.80883	301.32489	309.68695	2.21277	0.1670951	0.26994254	2.3711289	21	—	—
147587 2004 FU_{161}	17.1	X	336.12970	256.17304	218.07656	1.67835	0.1709289	0.27278733	2.3546151	21	—	—
147588 2004 FN_{162}	17.0	X	209.32130	356.69348	101.84237	3.92865	0.0870530	0.30522288	2.1846976	21	8 4.4	19.7
147589 2004 GG	15.0	X	328.84848	189.53725	104.62713	4.73571	0.2282677	0.17826499	3.1267417	21	5 14.8	18.7
147590 2004 GR_{1}	16.6	X	312.87028	42.31448	209.79104	1.36584	0.1662673	0.22706089	2.6609773	21	2 24.5	20.2
147591 2004 GL_{8}	15.8	X	162.16572	195.92383	196.37320	3.26906	0.1823527	0.22802264	2.6534897	21	3 22.9	20.1
147592 2004 GT_{13}	16.4	X	202.03107	358.87338	245.80038	5.84322	0.0996524	0.26615377	2.3935783	21	—	—
147593 2004 GV_{14}	15.4	X	45.49798	317.21197	246.81266	13.32939	0.2575193	0.23562078	2.5961333	21	6 22.7	18.0
147594 2004 GF_{16}	16.8	X	358.63597	124.58955	99.86261	6.48365	0.1167039	0.28849621	2.2683461	21	3 31.8	19.0
147595 Gojkomitić	16.4	X	133.07066	276.57934	240.92099	2.78896	0.0959337	0.24305723	2.5429063	21	7 24.5	20.2
147596 2004 GB_{25}	15.7	X	296.69121	356.46880	303.24651	13.19753	0.0253190	0.23250454	2.6192790	21	4 21.5	19.5
147597 2004 GW_{25}	16.4	X	317.96142	293.87702	274.31790	4.74474	0.1550581	0.27887354	2.3202308	21	—	—
147598 2004 GT_{26}	15.7	X	312.56976	202.94220	91.80010	13.08202	0.1097892	0.23133576	2.6280938	21	5 6.1	19.1
147599 2004 GU_{26}	15.2	X	39.11991	131.32639	84.64597	15.11923	0.1019844	0.23448091	2.6045402	21	6 6.9	18.0
147600 2004 GV_{26}	15.2	X	291.63411	111.39780	123.63904	12.79132	0.1277943	0.21910249	2.7250292	21	1 16.1	19.0

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147601 2004 GX_{29}	16.3	X	333.43116	164.61760	85.72883	1.95730	0.0874544	0.23109292	2.6299346	21	4 5.6	19.6
147602 2004 GN_{30}	16.9	X	62.57024	294.79371	227.42482	3.36247	0.0864530	0.29033839	2.2587408	21	4 19.2	19.0
147603 2004 GM_{32}	16.4	X	86.89252	210.60483	294.85469	7.28395	0.0747011	0.29318892	2.2440766	21	4 28.9	19.0
147604 2004 GS_{34}	16.5	X	90.86920	287.16151	279.10193	3.40011	0.0533199	0.24334776	2.5408819	21	8 1.7	19.9
147605 2004 GP_{37}	15.9	X	204.92875	235.98193	287.21599	6.96885	0.0573293	0.25569909	2.4583852	21	10 21.9	19.5
147606 2004 GJ_{39}	15.7	X	87.76776	198.03444	58.87427	1.59193	0.2574415	0.19004769	2.9961323	21	10 24.1	20.3
147607 2004 GG_{43}	16.3	X	153.22589	282.19131	36.30389	2.96606	0.1847469	0.27084469	2.3658606	21	—	—
147608 2004 GB_{44}	16.6	X	348.25698	252.68170	67.75901	1.63890	0.0455709	0.24683298	2.5169075	21	8 10.7	19.5
147609 2004 GE_{51}	16.0	X	152.20987	353.85097	36.97142	9.29737	0.0802178	0.22617623	2.6679114	21	3 7.2	19.9
147610 2004 GT_{54}	16.5	X	168.78018	97.86664	214.30134	5.59393	0.0443609	0.21504562	2.7591945	21	—	—
147611 2004 GV_{59}	17.1	X	121.41877	244.11431	250.55457	2.95661	0.0713669	0.29582352	2.2307329	21	6 5.3	19.5
147612 2004 GP_{88}	15.2	X	278.92570	276.26597	39.12916	8.92328	0.1048015	0.17133311	3.2105185	21	4 20.4	19.8
147613 2004 HJ_{3}	16.4	X	251.71473	233.97291	304.83896	6.34495	0.1451605	0.26582913	2.3955266	21	—	—
147614 2004 HX_{3}	15.9	X	348.50856	192.89971	109.35162	10.11088	0.1726186	0.23573279	2.5953109	21	7 9.6	18.2
147615 2004 HE_{8}	16.0	X	335.16528	253.36827	349.50554	3.31140	0.0331237	0.23024797	2.6363648	21	4 3.0	19.4
147616 2004 HS_{9}	16.8	X	297.93454	218.91521	336.88059	1.78081	0.1579564	0.27398501	2.3477482	21	—	—
147617 2004 HF_{10}	16.5	X	250.70879	45.64010	117.69501	4.84111	0.1311149	0.26118107	2.4238640	21	12 14.1	19.3
147618 2004 HG_{10}	16.8	X	338.19802	169.69061	356.53260	2.28631	0.1500798	0.27619864	2.3351872	21	—	—
147619 2004 HW_{12}	16.4	X	56.78671	350.48488	89.39817	7.10695	0.1725045	0.28073879	2.3099421	21	—	—
147620 2004 HQ_{17}	16.3	X	140.87663	208.20999	279.93560	3.48904	0.1662904	0.24238382	2.5476140	21	6 30.3	20.2
147621 2004 HD_{20}	15.9	X	139.22443	53.32584	116.62865	6.02447	0.1689759	0.24324026	2.5416305	21	8 23.3	20.0
147622 2004 HS_{25}	15.8	X	279.56684	167.19023	67.16477	6.43305	0.0715045	0.21868761	2.7284747	21	1 9.2	19.7
147623 2004 HC_{27}	15.5	X	9.19811	139.13671	41.07233	14.81000	0.0293203	0.22716582	2.6601577	21	3 8.4	19.2
147624 2004 HP_{36}	15.8	X	44.81031	222.15206	119.63781	7.77366	0.1395224	0.25813868	2.4428717	21	12 17.7	19.0
147625 2004 HY_{42}	15.9	X	133.60722	124.09702	15.75894	2.05972	0.0751316	0.23890837	2.5722617	21	6 30.3	19.5
147626 2004 HF_{44}	15.5	X	66.47211	331.00269	359.59897	6.01948	0.1031660	0.19946704	2.9010504	21	12 12.0	19.7
147627 2004 HR_{45}	16.3	X	101.73737	357.26302	192.19576	1.76767	0.0996472	0.24100247	2.5573395	21	7 30.6	19.8
147628 2004 HQ_{46}	15.0	X	287.79836	302.92954	35.11088	16.52983	0.0813193	0.17984091	3.1084489	21	5 28.5	19.5
147629 2004 HE_{48}	15.5	X	340.49101	19.36646	302.40562	12.31909	0.2644647	0.23947173	2.5682259	21	7 14.9	17.4
147630 2004 HN_{49}	16.6	X	225.46002	177.07019	86.20168	6.33413	0.1160490	0.27326767	2.3518550	21	—	—
147631 2004 HH_{52}	15.3	X	263.46900	207.36506	88.93332	13.89850	0.1664545	0.22462103	2.6802118	21	3 3.7	19.7
147632 2004 HL_{54}	16.2	X	93.96431	302.27016	245.88887	3.06423	0.0653579	0.23993216	2.5649392	21	7 13.7	19.7
147633 2004 HD_{58}	16.4	X	119.55261	126.98191	215.21899	2.04478	0.0851748	0.20870845	2.8147686	21	—	—
147634 2004 HH_{58}	16.5	X	248.03194	348.28876	45.63767	4.25584	0.0779037	0.23874914	2.5734052	21	6 22.7	20.1
147635 2004 HW_{63}	15.6	X	137.12228	46.48526	59.06359	16.57540	0.1205819	0.23561736	2.5961584	21	5 23.6	19.4
147636 2004 HC_{67}	16.9	X	254.28563	68.18673	78.90987	1.82951	0.1675675	0.26027000	2.4295172	21	11 21.1	19.9
147637 2004 JO_{6}	15.9	X	81.92084	293.21056	237.98422	9.43952	0.0612993	0.23427627	2.6060566	21	6 3.4	19.3
147638 2004 JZ_{8}	14.9	X	299.23128	244.09951	88.24191	14.71494	0.1881501	0.17640396	3.1486943	21	5 26.4	19.2
147639 2004 JT_{10}	15.4	X	197.01005	207.05049	101.11982	13.64159	0.1731048	0.21287881	2.7778860	21	1 14.6	20.0
147640 2004 JD_{12}	15.4	X	77.10525	262.71472	294.45846	11.85169	0.1252045	0.23943051	2.5685206	21	7 13.3	18.7
147641 2004 JS_{13}	16.8	X	81.95146	166.79735	76.46408	1.33927	0.0843304	0.30275399	2.1965586	21	9 21.7	19.4
147642 2004 JL_{15}	15.6	X	73.85267	82.72691	192.15961	2.17084	0.2071503	0.18890249	3.0082292	21	10 26.4	20.0
147643 2004 JE_{17}	16.7	X	244.76950	227.98080	331.70157	3.57459	0.1054455	0.26550675	2.3974654	21	—	—
147644 2004 JB_{23}	15.2	X	315.44935	282.21724	52.31075	14.67602	0.1571802	0.17927712	3.1149623	21	6 23.8	19.3
147645 2004 JG_{24}	16.2	X	250.15907	39.13406	212.03577	2.12236	0.1463854	0.21448926	2.7639637	21	—	—
147646 2004 JK_{25}	17.0	X	303.24920	0.43496	200.78970	1.74405	0.1778566	0.27469590	2.3436959	21	—	—
147647 2004 JB_{26}	16.5	X	282.34352	259.41447	21.10590	1.80419	0.1720281	0.22257027	2.6966502	21	2 25.8	20.3
147648 2004 JK_{26}	15.7	X	45.91212	133.34592	66.54045	4.90054	0.1170738	0.23253246	2.6190693	21	5 27.2	18.4
147649 2004 JT_{27}	15.0	X	6.98910	110.51943	183.03775	9.95607	0.0742911	0.17947132	3.1127149	21	7 27.9	19.1
147650 2004 JB_{32}	15.1	X	326.02624	166.68435	146.81973	6.13850	0.1376335	0.17884060	3.1200291	21	6 16.9	18.9
147651 2004 JO_{32}	15.7	X	232.44691	142.66923	91.64012	5.53717	0.0172756	0.21102279	2.7941506	21	—	—
147652 2004 JA_{35}	15.9	X	80.88165	66.04812	114.75495	5.31333	0.1534629	0.23533695	2.5982203	21	6 29.9	19.2
147653 2004 JF_{35}	15.2	X	231.52372	178.54398	80.16277	17.54708	0.1564199	0.21080831	2.7960455	21	—	—
147654 2004 JM_{35}	15.4	X	98.83255	103.72538	96.44386	6.78898	0.1883355	0.24050726	2.5608487	21	8 24.6	19.2
147655 2004 JF_{36}	16.4	X	330.85206	187.04816	269.79891	6.86383	0.0734741	0.26238963	2.4164154	21	—	—
147656 2004 JZ_{36}	15.5	X	324.88298	95.02781	221.97894	5.65454	0.1740472	0.17815941	3.1279769	21	6 14.6	19.3
147657 2004 JG_{37}	16.5	X	48.50993	311.98684	269.22759	5.34413	0.1495067	0.29366912	2.2416296	21	7 6.7	18.4
147658 2004 JP_{41}	17.2	X	82.90010	26.43945	131.09182	2.42064	0.1004789	0.29118826	2.2543437	21	5 19.8	19.5
147659 2004 JT_{41}	16.9	X	348.28342	120.28100	71.50148	2.84138	0.1678809	0.28019374	2.3129368	21	1 14.2	19.4
147660 2004 JP_{44}	16.6	X	123.32968	0.40620	163.94854	4.08200	0.0956584	0.29734706	2.2231066	21	7 23.5	19.6
147661 2004 JN_{51}	15.3	X	180.36134	206.93848	86.10189	10.23827	0.1324044	0.21087933	2.7954177	21	—	—
147662 2004 JZ_{54}	16.1	X	112.48593	314.08140	49.96807	5.44973	0.0667106	0.21430670	2.7655333	21	—	—
147663 2004 KD	16.4	X	94.40419	132.71525	20.04531	9.22650	0.1696791	0.29269694	2.2465906	21	6 8.5	19.2
147664 2004 KC_{4}	15.1	X	354.96898	46.36491	250.13126	16.35859	0.1977022	0.17763745	3.1341012	21	7 9.9	18.6
147665 2004 KO_{4}	16.3	X	16.46717	352.88530	208.69697	5.29152	0.1815489	0.22864674	2.6486589	21	4 4.4	18.8
147666 2004 KV_{6}	16.2	X	189.53684	35.70558	83.15408	3.20139	0.0931225	0.24431827	2.5341487	21	8 6.8	19.8
147667 2004 KU_{9}	16.4	X	202.28879	320.72744	276.75525	4.84218	0.1651106	0.26232710	2.4167994	21	—	—
147668 2004 KQ_{12}	14.9	X	5.31327	164.45120	128.77498	14.12045	0.1544264	0.18029448	3.1032334	21	7 29.9	18.3
147669 2004 KG_{15}	15.2	X	232.57246	280.87970	72.34423	16.74352	0.1519213	0.22955855	2.6416406	21	4 15.5	19.6
147670 2004 LT_{3}	15.7	X	39.25544	166.47596	89.36450	5.64613	0.1731579	0.23714963	2.5849635	21	8 16.9	18.5
147671 2004 LJ_{9}	15.1	X	4.69340	256.88203	122.30044	12.99291	0.0696539	0.19444425	2.9507969	21	11 21.1	19.1
147672 2004 LO_{10}	16.0	X	215.14930	224.50017	70.64617	6.39048	0.0314969	0.21665507	2.7455128	21	1 13.9	20.0
147673 2004 LO_{15}	14.8	X	333.26468	207.16529	91.21650	13.43728	0.1257877	0.17668050	3.1454078	21	6 10.2	18.6
147674 2004 LY_{18}	16.2	X	246.17502	36.14030	98.49863	4.25183	0.1477637	0.25616887	2.4553787	21	10 28.4	19.4
147675 2004 ML	15.6	X	218.08330	202.70267	123.59043	5.98258	0.1135172	0.21909832	2.7250639	21	2 23.5	19.9
147676 2004 MH_{3}	15.1	X	136.66916	301.68212	256.16556	13.19600	0.1447039	0.24002535	2.5642752	21	9 15.8	19.4
147677 2004 NS_{2}	15.4	X	26.63952	33.25965	295.85888	10.39876	0.1017131	0.18054550	3.1003563	21	10 11.5	19.7
147678 2004 NP_{10}	14.6	X	17.80100	188.22655	127.96263	13.14134	0.2348365	0.17674904	3.1445946	21	10 8.2	18.3
147679 2004 NF_{14}	15.1	X	36.91314	41.01859	277.66085	10.03578	0.0930922	0.18294655	3.0731699	21	10 12.9	19.5
147680 2004 OL_{2}	15.0	X	330.21444	14.92952	281.90648	10.73701	0.1074538	0.16953537	3.2331747	21	6 4.5	19.3

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147681 2004 OS_3	15.1	X	57.28616	9.98517	305.66142	13.93326	0.1080638	0.18448383	3.0560739	21	11 6.9	19.7
147682 2004 OH_4	15.0	X	195.90818	307.38224	317.69959	13.02384	0.0557587	0.20183535	2.8783122	21	—	—
147683 2004 OS_{14}	15.8	X	98.95454	159.22350	154.89852	2.43733	0.0321160	0.19242032	2.9714523	21	12 20.2	20.1
147684 2004 PU_{39}	14.9	X	11.30816	33.63622	320.23698	9.05817	0.1301957	0.17840271	3.1251323	21	10 23.9	18.9
147685 2004 PX_{54}	14.7	X	112.95853	89.42201	123.26968	10.20991	0.0290315	0.17396181	3.1780942	21	9 3.5	19.3
147686 2004 PJ_{66}	15.2	X	86.46778	44.15815	294.59524	8.49450	0.0788975	0.19237592	2.9719095	21	—	—
147687 2004 PZ_{66}	14.4	X	95.40894	299.35861	285.07545	20.63959	0.0512591	0.17500496	3.1654526	21	8 18.9	19.3
147688 2004 PD_{70}	15.6	X	57.83553	138.89901	110.52264	8.60888	0.2080751	0.23621074	2.5918088	21	9 13.6	19.0
147689 2004 PR_{77}	15.4	X	61.47662	58.52165	291.14569	8.23331	0.0368297	0.18917530	3.0053364	21	12 19.1	19.7
147690 2004 QW_3	15.0	X	53.09980	206.41432	107.14648	11.44125	0.1264340	0.18285073	3.0742435	21	11 10.6	19.4
147691 2004 RC_{152}	14.1	X	140.52316	258.15523	296.15847	21.50065	0.0652782	0.17605691	3.1528308	21	9 2.1	19.2
147692 2004 RY_{214}	14.8	X	102.22719	348.80297	285.87618	12.87285	0.1389739	0.18106681	3.0944026	21	11 12.4	19.7
147693 Piccioni	16.3	X	167.52369	81.68894	226.60307	4.75558	0.1730766	0.28085470	2.3093066	21	—	—
147694 2005 ED_{199}	16.7	X	158.55766	143.87584	204.97877	5.63114	0.1369949	0.29300313	2.2450251	21	1 9.4	19.7
147695 2005 EY_{283}	16.9	X	86.28132	235.66647	39.51071	6.05006	0.2063155	0.26796200	2.3827981	21	11 16.8	20.5
147696 2005 GB_{37}	16.0	X	124.30535	245.58930	69.83608	23.13068	0.2751340	0.27695211	2.3309498	21	—	—
147697 2005 GA_{38}	16.3	X	136.09371	54.80931	247.04984	5.55236	0.1680404	0.28080423	2.3095832	21	—	—
147698 2005 GQ_{40}	16.6	X	153.06534	339.38935	35.55637	6.34394	0.1484644	0.29629874	2.2283471	21	2 11.2	19.6
147699 2005 GJ_{57}	16.5	X	87.13903	151.89531	192.12888	4.86864	0.2726081	0.27724103	2.3293302	21	—	—
147700 2005 GU_{83}	16.3	X	194.43017	336.15330	4.21744	5.58875	0.1855238	0.29610865	2.2293007	21	2 10.7	19.7
147701 2005 GY_{89}	16.4	X	126.67576	142.84531	141.52127	2.96047	0.2127957	0.27244248	2.3566016	21	—	—
147702 2005 GD_{143}	16.2	X	259.17011	168.68125	149.39405	2.35647	0.3123098	0.23796097	2.5790844	21	3 8.2	20.5
147703 2005 GU_{203}	16.4	X	88.79394	336.52308	8.70149	9.47971	0.1955479	0.28469436	2.2884959	21	—	—
147704 2005 GN_{205}	16.8	X	188.58673	256.24141	110.78334	2.58321	0.1434549	0.29863907	2.2166900	21	3 8.0	19.9
147705 2005 GT_{210}	17.2	X	127.06714	24.22786	62.65522	23.85908	0.0779582	0.36693031	1.9323257	21	4 12.0	19.7
147706 2005 GZ_{214}	16.4	X	244.39928	215.11395	104.92343	9.17410	0.1444289	0.29894473	2.2151788	21	3 4.8	19.8
147707 2005 JH_{26}	16.4	X	315.33331	202.50854	99.32730	7.06243	0.1428101	0.30669129	2.1777186	21	5 5.5	18.7
147708 2005 JA_{50}	16.8	X	227.65415	241.14447	77.77466	4.33485	0.2087214	0.29422529	2.2388039	21	2 12.9	20.5
147709 2005 JY_{72}	15.3	X	89.34115	318.13539	59.46042	13.68060	0.3367041	0.21869686	2.7283978	21	1 5.5	18.4
147710 2005 JU_{83}	16.3	X	160.00343	270.42573	69.64803	7.75457	0.1973771	0.28604576	2.2812824	21	1 9.8	19.5
147711 2005 JH_{102}	16.1	X	150.24139	172.19532	201.08142	13.68066	0.1088940	0.22924454	2.6440523	21	2 5.5	20.2
147712 2005 JB_{163}	15.9	X	141.48638	66.75328	209.86814	4.63914	0.1294930	0.21291459	2.7775748	21	12 27.3	20.4
147713 2005 JC_{177}	17.1	X	86.91284	242.12167	61.01450	1.91653	0.1777984	0.26671310	2.3902307	21	12 19.9	20.8
147714 2005 KG_6	16.2	X	105.70318	315.43875	51.59100	11.41585	0.1825826	0.28103643	2.3083109	21	—	—
147715 2005 KO_6	16.2	X	309.09965	52.71178	231.52423	4.13129	0.1187618	0.24226616	2.5484388	21	4 7.5	19.3
147716 2005 KY_{12}	15.6	X	267.94202	162.52611	184.85715	1.77739	0.1970721	0.17438203	3.1729866	21	5 5.2	20.5
147717 2005 LS_7	16.0	X	299.81396	113.15468	221.50946	9.15978	0.2104417	0.24548733	2.5260969	21	5 20.7	19.1
147718 2005 LJ_{43}	16.9	X	146.01422	156.44079	121.58859	3.51133	0.0143981	0.26936463	2.3745191	21	—	—
147719 2005 LL_{48}	16.0	X	119.49796	2.61836	325.35124	5.25659	0.3161577	0.26952377	2.3735844	21	—	—
147720 2005 LB_{51}	16.3	X	343.02455	72.66799	288.21135	4.70275	0.1741486	0.25106900	2.4885172	21	9 28.6	18.5
147721 2005 MK_1	15.9	X	307.16706	151.11755	187.21332	0.49648	0.2590802	0.17757080	3.1348855	21	5 31.9	19.9
147722 2005 MJ_5	16.6	X	92.49682	107.58460	170.29830	2.15450	0.1997287	0.26031965	2.4292082	21	11 25.5	20.3
147723 2005 MX_9	16.2	X	66.52166	196.91517	131.81689	2.15928	0.1947443	0.26049818	2.4280982	21	—	—
147724 2005 MR_{12}	15.5	X	40.08316	223.87170	101.40775	15.57675	0.1633179	0.25626985	2.4547336	21	11 26.5	18.8
147725 2005 MD_{13}	16.4	X	55.37980	286.90231	117.24620	7.17100	0.1244234	0.27038733	2.3685278	21	—	—
147726 2005 MU_{20}	16.4	X	165.85750	299.89837	117.14954	2.89231	0.1125503	0.23094395	2.6310655	21	4 23.3	20.4
147727 2005 MA_{32}	15.7	X	8.18908	59.93059	326.85106	6.95862	0.1635606	0.25955678	2.4339658	21	12 30.8	18.5
147728 2005 MD_{33}	16.8	X	179.63693	115.06723	150.29996	3.36614	0.2081495	0.27387573	2.3483727	21	—	—
147729 2005 MP_{34}	16.5	X	27.35631	17.50365	307.03297	1.90579	0.1946472	0.25340201	2.4732196	21	11 6.8	19.2
147730 2005 MO_{38}	16.1	X	359.12262	115.83274	200.89402	0.62582	0.1621432	0.18602572	3.0391635	21	8 20.6	19.4
147731 2005 MG_{41}	16.5	X	331.70969	297.47023	307.67313	2.84926	0.1430031	0.23353412	2.6115749	21	3 15.9	19.7
147732 2005 MQ_{42}	15.8	X	194.12873	273.21465	163.52349	9.27321	0.1014410	0.23869261	2.5738115	21	6 16.4	19.8
147733 2005 MV_{44}	16.4	X	227.22668	118.62474	275.68758	14.41623	0.1258225	0.23642534	2.5902402	21	5 24.6	20.5
147734 2005 ME_{53}	15.4	X	18.36630	341.42023	2.32406	4.40264	0.1346855	0.19293006	2.9662161	21	10 28.4	19.0
147735 2005 NE	15.7	X	244.37144	215.13106	109.09148	15.62925	0.1454241	0.23028023	2.6361186	21	3 21.0	20.1
147736 Raxavinic	14.9	X	52.64439	184.07476	151.28787	9.35419	0.2324350	0.19862018	2.9092908	21	12 19.9	19.3
147737 2005 NM_1	16.3	X	253.36559	330.15813	254.83975	6.34834	0.0655241	0.27841110	2.3227993	21	—	—
147738 2005 NU_3	16.5	X	191.39595	331.95029	307.23560	4.16403	0.2180045	0.27625400	2.3348752	21	—	—
147739 2005 NP_9	15.5	X	325.83920	231.67183	150.66574	5.37315	0.1104678	0.18942700	3.0026736	21	9 22.6	19.2
147740 2005 NW_9	16.3	X	23.75921	272.27653	158.59212	4.15021	0.0817783	0.20850841	2.8165686	21	—	—
147741 2005 NA_{17}	15.9	X	228.84290	173.34029	84.68821	12.87825	0.2501013	0.28110378	2.3079422	21	—	—
147742 2005 NJ_{28}	16.6	X	253.50817	143.01244	147.53575	4.50158	0.1425746	0.28848204	2.2684203	21	2 1.6	20.0
147743 2005 NU_{30}	16.4	X	134.57466	190.88984	140.07713	0.99126	0.0758109	0.21288357	2.7778446	21	—	—
147744 2005 NV_{30}	16.8	X	345.84228	156.32336	240.19952	0.39231	0.1814570	0.25762366	2.4461263	21	12 5.1	18.8
147745 2005 NK_{67}	16.0	X	91.27357	44.93957	308.72506	7.79137	0.1412666	0.26649474	2.3915362	21	—	—
147746 2005 NT_{75}	17.1	X	2.14622	265.96313	134.27314	2.56135	0.1702126	0.26154002	2.4216458	21	—	—
147747 2005 NY_{83}	15.9	X	178.21584	54.22444	166.88113	2.17237	0.0163585	0.20073066	2.8888627	21	11 30.9	20.0
147748 2005 NB_{84}	17.1	X	338.18097	236.98575	222.88912	1.17586	0.0492678	0.26850387	2.3795912	21	—	—
147749 2005 NS_{89}	16.1	X	253.88199	308.92044	109.92699	4.17331	0.0407084	0.24679680	2.5171535	21	8 10.4	19.3
147750 2005 NB_{122}	16.2	X	97.30977	184.93233	142.85799	2.52264	0.0985453	0.20417975	2.8562372	21	—	—
147751 2005 OR_9	16.0	X	297.98364	189.00389	101.66431	6.27891	0.1164138	0.23302539	2.6153745	21	4 7.1	19.5
147752 2005 OB_{11}	15.7	X	163.28964	210.32137	126.16395	5.85271	0.1164615	0.21583547	2.7524589	21	1 12.3	19.8
147753 2005 OG_{11}	16.9	X	105.09859	329.14124	345.68698	2.22290	0.2034969	0.26512105	2.3997900	21	—	—
147754 2005 OO_{13}	17.3	X	24.97622	189.46555	74.38868	6.22612	0.1195750	0.30427102	2.1892515	21	7 28.5	19.1
147755 2005 OB_{22}	16.3	X	352.46322	167.09944	134.98225	4.81559	0.0797494	0.24277748	2.5448593	21	7 20.1	19.1
147756 2005 OY_{22}	15.2	X	283.51440	222.75652	143.91550	10.62289	0.1048442	0.17808469	3.1288518	21	6 29.0	19.6
147757 2005 OV_{24}	15.5	X	254.47261	237.44283	191.85547	9.80736	0.1321952	0.18256999	3.0773942	21	8 5.6	20.1
147758 2005 PW_{12}	15.8	X	76.35540	325.24182	87.94899	7.48855	0.0180161	0.21328321	2.7743736	21	—	—
147759 2005 QR_5	15.9	X	279.73632	52.33383	317.44324	4.78822	0.2470163	0.17631681	3.1497317	21	6 7.3	20.5
147760 2005 QH_8	15.3	X	260.98391	264.85085	140.00218	10.45481	0.1008075	0.18106954	3.0943715	21	7 19.5	19.8

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147761 2005 QJ_{10}	16.4	X	127.63112	146.23140	152.90928	2.47918	0.2099294	0.26649925	2.3915092	21	—	—
147762 2005 QA_{17}	15.3	X	321.69129	207.27662	141.33025	2.33251	0.0867941	0.17919694	3.1158915	21	8 1.4	19.3
147763 2005 QS_{21}	15.6	X	294.88811	210.22977	104.59258	14.59581	0.1751121	0.23390132	2.6088410	21	4 29.8	19.4
147764 2005 QN_{32}	15.9	X	68.73924	159.06917	131.72614	2.65158	0.1829239	0.19191442	2.9766719	21	11 7.2	20.2
147765 2005 QP_{32}	16.1	X	121.41373	234.70518	93.46842	7.71898	0.1455599	0.26889697	2.3772714	21	—	—
147766 Elisatoffoli	14.9	X	334.41804	282.74145	57.53927	10.56082	0.0291400	0.18309267	3.0715346	21	8 18.6	19.2
147767 2005 QM_{44}	15.6	X	37.46065	245.48507	125.32466	2.80739	0.1163135	0.19691533	2.9260587	21	12 27.9	19.5
147768 2005 QP_{44}	16.5	X	143.25455	148.51069	129.09174	1.98893	0.1652284	0.26520624	2.3992760	21	—	—
147769 2005 QJ_{47}	16.3	X	48.39638	282.26297	117.20756	4.05056	0.1258153	0.26463229	2.4027440	21	—	—
147770 2005 QV_{53}	16.0	X	140.24740	305.25070	11.72722	1.91817	0.0380256	0.20725855	2.8278807	21	—	—
147771 2005 QE_{63}	15.4	X	33.24573	182.89766	60.36674	2.66497	0.0924818	0.17672077	3.1449300	21	7 5.2	19.3
147772 2005 QT_{78}	16.2	X	217.02957	54.98023	273.15718	1.60678	0.1843007	0.22083865	2.7107283	21	2 21.6	20.8
147773 2005 QF_{82}	16.6	X	345.26611	169.19649	112.25217	3.27337	0.1652681	0.23915589	2.5704865	21	5 31.2	19.0
147774 2005 QR_{89}	16.7	X	87.67140	4.34701	275.54905	0.05490	0.2112032	0.25814500	2.4428318	21	11 23.7	20.3
147775 2005 QS_{89}	15.6	X	21.73217	183.41530	186.35773	3.77281	0.0723285	0.19684139	2.9267914	21	11 30.3	19.5
147776 2005 QR_{100}	14.8	X	296.21576	81.67285	220.77627	5.11887	0.1267852	0.17068188	3.2186798	21	4 21.3	19.3
147777 2005 QV_{103}	16.3	X	270.74648	243.06998	237.41733	4.14766	0.0671717	0.25597409	2.4566241	21	11 23.4	19.0
147778 2005 QM_{104}	15.1	X	165.83902	321.70862	173.69975	10.27173	0.0306989	0.17804955	3.1292635	21	7 27.6	19.7
147779 2005 QK_{107}	14.7	X	311.85464	277.31225	42.42975	6.93420	0.1482187	0.17526348	3.1623390	21	5 31.1	18.8
147780 2005 QM_{107}	16.2	X	318.93933	238.58110	110.54477	6.99842	0.0572120	0.24223177	2.5486800	21	8 4.7	19.1
147781 2005 QB_{115}	15.2	X	16.99578	102.00257	194.30459	8.09625	0.1781768	0.18158962	3.0884604	21	8 25.4	18.7
147782 2005 QN_{118}	16.0	X	331.10939	319.49158	152.41954	4.41967	0.0799811	0.20356704	2.8619656	21	—	—
147783 2005 QR_{123}	15.9	X	299.55082	177.69759	153.05980	0.64219	0.0329051	0.17390097	3.1788355	21	6 14.5	20.4
147784 2005 QY_{135}	17.0	X	115.66360	115.47445	143.75163	1.87623	0.1598626	0.25575994	2.4579952	21	11 20.7	20.9
147785 2005 QE_{146}	15.3	X	213.09403	259.34540	120.40582	13.46911	0.1822487	0.23024917	2.6363557	21	4 27.0	19.9
147786 2005 QA_{149}	15.5	X	20.61759	46.66129	289.49757	7.24127	0.2727548	0.18782116	3.0197642	21	11 9.1	19.0
147787 2005 QH_{157}	15.8	X	198.03470	48.07654	280.77247	3.00055	0.0523233	0.21505287	2.7591325	21	2 4.2	19.9
147788 2005 QE_{161}	15.3	X	120.76992	150.61337	85.11369	3.05571	0.0743500	0.18796315	3.0182433	21	10 15.4	19.7
147789 2005 QZ_{161}	15.9	X	133.22656	251.69224	130.91266	9.83692	0.1966147	0.21470708	2.7620941	21	2 15.7	19.9
147790 2005 QT_{169}	14.8	X	271.94817	89.02817	267.88414	9.12159	0.0670129	0.17129095	3.2110453	21	6 7.3	19.3
147791 2005 QF_{178}	16.1	X	79.91023	45.04063	319.99764	1.09046	0.0854790	0.20204002	2.8763680	21	—	—
147792 2005 RG_{1}	15.9	X	154.57505	255.29530	118.11990	6.61521	0.0593654	0.22117419	2.7079860	21	2 11.3	19.7
147793 2005 RK_{2}	14.9	X	196.61989	218.04621	284.51077	14.10926	0.1067406	0.24046550	2.5611452	21	9 4.9	19.0
147794 2005 RO_{2}	14.9	X	287.51907	126.90993	304.73309	16.17122	0.1202042	0.18113186	3.0936617	21	9 15.7	19.3
147795 2005 RO_{7}	15.7	X	184.99492	18.02681	331.90430	3.44162	0.0801774	0.21763367	2.7372764	21	2 17.3	19.6
147796 2005 RC_{13}	16.7	X	81.75018	145.61326	347.35211	2.52569	0.0463911	0.22698859	2.6615422	21	4 9.2	20.1
147797 2005 RK_{16}	16.4	X	98.82903	349.58378	0.53376	1.74911	0.0764398	0.20462627	2.8520806	21	—	—
147798 2005 RC_{21}	15.9	X	198.12194	34.92727	305.30191	5.20024	0.1200402	0.21930602	2.7233430	21	2 18.7	20.1
147799 2005 RA_{34}	16.1	X	90.24966	144.82555	201.78460	1.20091	0.0870208	0.19801782	2.9151877	21	—	—
147800 2005 SR_{25}	15.9	X	197.81850	189.14408	104.95081	1.72262	0.0427498	0.21109565	2.7935076	21	—	—
147801 2005 SR_{29}	16.5	X	188.15672	141.22667	296.77205	2.92047	0.0869949	0.23025020	2.6363478	21	6 11.1	20.4
147802 2005 SS_{33}	16.2	X	0.09980	223.07300	75.36895	5.61100	0.1659499	0.23906828	2.5711144	21	8 1.2	18.6
147803 2005 SQ_{52}	15.7	X	336.56869	281.16951	58.42364	1.80067	0.1976286	0.17974750	3.1095257	21	8 6.0	18.8
147804 2005 SJ_{55}	14.9	X	44.89978	204.40533	35.13654	5.04783	0.0724626	0.17130041	3.2109271	21	7 16.2	19.2
147805 2005 SD_{68}	16.2	X	176.54852	149.86792	308.98266	2.55528	0.0706562	0.23189261	2.6238849	21	6 25.7	19.9
147806 2005 SJ_{70}	16.0	X	347.01863	70.76646	307.53875	0.69631	0.1161394	0.18788329	3.0190984	21	10 20.7	19.6
147807 2005 SH_{72}	15.6	X	281.18774	288.86606	110.08077	2.22712	0.1810948	0.17671280	3.1450246	21	7 26.2	19.8
147808 2005 SX_{73}	15.0	X	312.43408	92.78651	285.99406	8.60703	0.1076668	0.17907625	3.1172913	21	8 21.7	19.1
147809 2005 SC_{77}	16.6	X	253.59940	169.09439	95.66525	0.47414	0.0234241	0.21396976	2.7684357	21	1 21.7	20.4
147810 2005 SL_{82}	15.9	X	112.00070	27.15001	331.25837	1.39772	0.0361186	0.20498925	2.8487128	21	—	—
147811 2005 SV_{94}	15.5	X	237.95497	41.89029	262.35785	13.46378	0.0688179	0.22020167	2.7159534	21	2 11.2	19.8
147812 2005 SM_{103}	15.7	X	333.23294	170.85588	206.85654	1.00490	0.1329441	0.18193471	3.0845538	21	9 25.1	19.1
147813 2005 SW_{106}	15.7	X	185.05412	204.09865	250.20991	11.99132	0.1336191	0.23473135	2.6026872	21	6 27.9	19.8
147814 2005 SP_{107}	15.2	X	73.76669	271.09341	296.22444	11.11281	0.2183608	0.23883388	2.5727964	21	8 4.6	18.5
147815 2005 SK_{118}	14.7	X	317.90426	199.73578	159.13894	6.70947	0.2190273	0.17909847	3.1170335	21	7 22.5	18.4
147816 2005 SU_{125}	15.0	X	16.14140	303.91727	37.77787	11.33641	0.0664092	0.18565942	3.0431596	21	10 16.8	18.9
147817 2005 SW_{127}	15.6	X	320.45544	111.77277	184.11011	1.08630	0.1712629	0.17084257	3.2166612	21	5 10.9	19.6
147818 2005 SZ_{138}	15.9	X	223.10280	141.33716	145.35341	2.80073	0.0728351	0.21303250	2.7765499	21	1 11.9	20.1
147819 2005 SA_{140}	16.4	X	48.57167	81.66365	71.16719	2.28866	0.1751991	0.21820444	2.7325010	21	4 3.7	19.2
147820 2005 SS_{166}	14.9	X	330.36593	262.81214	107.51811	10.35035	0.1053346	0.18129130	3.0918476	21	9 16.8	18.8
147821 2005 ST_{170}	14.8	X	248.17448	111.11340	243.20054	7.33101	0.0709518	0.16862893	3.2447506	21	5 5.8	19.7
147822 2005 SQ_{180}	15.6	X	195.93520	87.65089	159.21195	2.88158	0.0981386	0.20360008	2.8616559	21	—	—
147823 2005 SO_{187}	15.3	X	143.24809	211.94172	86.35104	4.07334	0.1259419	0.20044436	2.8916130	21	—	—
147824 2005 SC_{192}	15.4	X	169.86510	350.50185	164.79958	1.28130	0.1186476	0.17355436	3.1830664	21	8 27.9	20.4
147825 2005 SE_{206}	15.2	X	75.49076	177.88115	115.78127	6.97455	0.1280442	0.19030831	2.9933963	21	11 12.3	19.6
147826 2005 SL_{208}	14.7	X	335.75070	0.65590	6.19245	22.05883	0.0450465	0.18115593	3.0933877	21	9 21.3	18.8
147827 2005 SW_{219}	15.3	X	47.41755	87.73359	111.67053	13.98306	0.0370015	0.22782012	2.6550620	21	5 24.3	18.9
147828 2005 SG_{239}	16.0	X	21.55130	128.05795	151.95252	1.95913	0.1573027	0.17930518	3.1146374	21	8 11.0	19.6
147829 2005 SM_{261}	15.7	X	299.52214	26.78679	172.57656	6.51257	0.0381823	0.21344650	2.7729584	21	—	—
147830 2005 SO_{269}	14.5	X	48.55244	195.20676	70.87695	19.36795	0.1872845	0.18156598	3.0887284	21	9 22.2	18.9
147831 2005 TB_{17}	16.4	X	165.59712	336.04931	47.17501	2.92448	0.0740274	0.21895840	2.7262247	21	3 10.1	20.3
147832 2005 TV_{26}	15.7	X	184.95334	197.47251	60.36600	1.64403	0.0995484	0.19731270	2.9221288	21	—	—
147833 2005 TW_{49}	15.7	X	339.16964	130.94525	113.07545	5.36314	0.0423112	0.22329582	2.6908056	21	4 13.8	19.2
147834 2005 TZ_{54}	15.0	X	18.07232	249.78157	103.38504	11.30355	0.1469913	0.18590223	3.0405092	21	11 14.4	18.9
147835 2005 TU_{84}	15.7	X	169.05508	248.22944	260.76124	1.99682	0.0413503	0.17502982	3.1651528	21	8 18.4	20.3
147836 2005 TN_{125}	14.5	X	253.61542	135.01483	16.46255	2.68199	0.1465754	0.12611102	3.9382266	21	11 6.3	20.1
147837 2005 TM_{144}	15.8	X	226.93637	70.59398	107.48621	4.31845	0.0202594	0.19172805	2.9786007	21	12 4.7	19.9
147838 2005 TJ_{156}	16.6	X	167.72221	192.50685	294.56331	3.24492	0.1284067	0.23389761	2.6088685	21	7 23.8	20.7
147839 2005 TQ_{167}	15.7	X	54.88057	114.75789	232.88553	1.03844	0.0999961	0.19125329	2.9835279	21	12 17.7	19.9
147840 2005 TT_{167}	17.1	X	262.71423	26.72749	211.19403	4.60390	0.1834170	0.27149200	2.3620986	21	—	—

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147841 2005 TJ_{172}	15.0	X	286.19173	129.92669	294.70162	12.51855	0.1194516	0.17937540	3.1138245	21	9 7.2	19.4
147842 2005 TU_{175}	15.1	X	269.42434	67.95704	57.80461	12.55755	0.0989858	0.19002554	2.9963651	21	11 12.3	19.0
147843 2005 TN_{183}	15.4	X	213.57733	204.29693	126.31058	14.63018	0.1251511	0.21653296	2.7465449	21	2 25.7	19.8
147844 2005 TG_{190}	14.6	X	160.35785	337.07360	88.63334	7.32828	0.0328557	0.15909764	3.3730820	21	4 29.9	19.5
147845 2005 UY_{14}	16.2	X	155.22531	355.78656	71.00287	2.18942	0.0622615	0.22026314	2.7154480	21	4 20.6	20.0
147846 2005 UO_{20}	13.8	X	314.81006	59.37944	45.26782	10.80976	0.1762288	0.12593143	3.9419699	21	11 27.9	18.6
147847 2005 UA_{30}	15.2	X	342.47395	310.20921	52.36993	0.36669	0.1818609	0.17968447	3.1102528	21	9 20.5	18.5
147848 2005 UB_{68}	15.1	X	356.87446	254.71893	68.56086	9.95194	0.0790931	0.17610003	3.1523161	21	8 27.9	19.3
147849 2005 UG_{76}	14.6	X	337.95740	64.78730	276.17693	13.97136	0.0858282	0.17538397	3.1608905	21	8 11.1	18.8
147850 2005 UP_{76}	15.4	X	269.35417	140.45985	337.79382	10.94618	0.2075310	0.18258585	3.0772160	21	10 11.4	19.9
147851 2005 UY_{76}	14.3	X	36.79754	179.12409	79.63952	21.83657	0.0959822	0.17189079	3.2035707	21	8 3.9	18.8
147852 2005 UA_{106}	16.2	X	10.74311	188.63631	96.17047	3.69634	0.0451838	0.23205583	2.6226544	21	7 24.9	19.5
147853 2005 UT_{178}	15.3	X	2.35591	204.23888	146.20667	2.14317	0.1060942	0.17962637	3.1109234	21	10 8.6	19.1
147854 2005 UF_{250}	15.5	X	275.45142	25.47138	310.34361	12.75082	0.1837350	0.23069833	2.6329326	21	4 19.5	19.7
147855 2005 UO_{294}	15.8	X	292.60945	170.66304	311.49890	2.29191	0.0866009	0.18856242	3.0118450	21	12 9.9	19.7
147856 2005 UH_{343}	14.4	X	333.99246	271.14305	67.17931	15.54324	0.1881921	0.17515911	3.1635951	21	8 2.9	18.2
147857 2005 UW_{381}	15.0	X	272.61770	290.68231	132.83379	16.39430	0.1055214	0.17493190	3.1663338	21	8 28.5	19.4
147858 2005 UC_{385}	14.2	X	6.76722	191.08785	97.44670	22.92511	0.0110463	0.16827984	3.2492365	21	7 21.2	18.8
147859 2005 UF_{450}	14.8	X	332.53048	222.82164	77.07097	6.28475	0.1422193	0.17027453	3.2238111	21	6 8.7	18.6
147860 2005 UA_{482}	16.1	X	135.37243	33.05916	284.77430	9.11055	0.0610122	0.26607273	2.3940643	21	—	—
147861 2005 UD_{492}	15.4	X	101.29603	205.92169	116.94042	11.86284	0.1041215	0.19366344	2.9587229	21	—	—
147862 2005 UP_{493}	15.3	X	107.49012	198.29078	326.26209	16.15471	0.0813365	0.22772108	2.6558318	21	7 5.0	19.2
147863 2005 VD_{15}	15.9	X	153.02520	6.56827	37.76406	0.86286	0.0667022	0.21594783	2.7515040	21	3 20.9	19.8
147864 2005 VQ_{34}	15.9	X	218.63119	164.34816	161.38809	6.23378	0.1205267	0.21662730	2.7457474	21	2 21.9	20.2
147865 2005 VN_{39}	13.7	X	252.99054	268.71208	249.55608	6.80209	0.1549766	0.12550504	3.9508931	21	11 12.1	19.3
147866 2005 VG_{76}	15.2	X	315.77207	137.63228	315.47390	8.35927	0.1097974	0.18872813	3.0100817	21	12 5.7	18.9
147867 2005 VF_{102}	15.9	X	173.13667	242.26958	304.09230	8.89226	0.0960774	0.24339757	2.5405352	21	10 9.8	19.9
147868 2005 VW_{120}	14.3	X	39.17896	355.42048	290.23306	20.53514	0.0998171	0.17697817	3.1418799	21	8 28.8	18.8
147869 2005 WG_{104}	15.6	X	51.60104	265.74255	148.28642	2.62968	0.0853040	0.19665134	2.9286767	21	—	—
147870 2006 PG_{30}	16.2	X	83.58373	213.39959	177.87063	6.52049	0.1118982	0.28513915	2.2861154	21	—	—
147871 2006 PH_{30}	15.2	X	182.76530	336.55784	4.03991	15.28436	0.2806827	0.22984168	2.6394708	21	2 16.9	20.0
147872 2006 QT_{24}	15.7	X	33.74799	47.12802	6.17862	7.47566	0.2262359	0.21221789	2.7836506	21	—	—
147873 2006 QD_{27}	16.5	X	333.41142	313.80870	56.09295	3.32053	0.2193354	0.26276758	2.4140978	21	9 27.1	18.0
147874 2006 QP_{39}	16.4	X	355.51557	162.86509	192.21029	5.57281	0.3212691	0.26467838	2.4024650	21	11 17.3	17.8
147875 2006 QU_{55}	15.6	X	219.22982	359.00533	346.05369	12.95390	0.1943574	0.23663676	2.5886971	21	3 13.3	20.0
147876 2006 QL_{58}	14.9	X	163.75824	343.47817	33.75594	13.64466	0.1821964	0.22900003	2.6459341	21	3 12.5	19.3
147877 2006 QT_{62}	15.4	X	119.88051	215.47165	161.97181	8.94618	0.2696592	0.22262175	2.6962345	21	2 1.2	19.4
147878 2006 QY_{79}	16.0	X	294.38252	198.04345	194.92212	5.92473	0.1064168	0.26213913	2.4179546	21	8 20.7	18.8
147879 2006 QQ_{113}	15.9	X	37.08444	9.58997	33.64194	3.95695	0.1432039	0.21426974	2.7658512	21	—	—
147880 2006 QV_{113}	15.0	X	247.92823	318.35290	19.89944	15.06339	0.2945683	0.23947867	2.5681763	21	3 27.1	19.5
147881 2006 QZ_{117}	15.9	X	49.75345	206.87630	205.18735	3.00731	0.1926204	0.21747338	2.7386213	21	—	—
147882 2006 QN_{166}	15.2	X	243.94071	139.04823	218.70810	8.89200	0.1300728	0.17723716	3.1388185	21	4 29.7	20.0
147883 2006 RF_{6}	17.1	X	55.10487	163.00622	164.62903	1.60579	0.2044796	0.27168754	2.3609651	21	12 22.3	20.2
147884 2006 RH_{6}	16.7	X	70.94754	117.20370	195.04736	4.70996	0.2429451	0.27318183	2.3523477	21	12 22.9	20.3
147885 2006 RJ_{18}	16.9	X	49.54912	158.89852	156.96375	1.63619	0.1978305	0.26936578	2.3745124	21	11 30.0	20.0
147886 2006 RJ_{19}	16.3	X	1.12851	304.41632	59.17843	6.97021	0.1494163	0.26551532	2.3974137	21	11 14.5	18.4
147887 2006 RY_{26}	16.4	X	43.37754	177.74937	182.53722	6.76554	0.1236611	0.27354854	2.3502449	21	—	—
147888 2006 RY_{30}	16.7	X	30.76832	142.44406	229.19886	6.08599	0.1168070	0.27388677	2.3483096	21	—	—
147889 2006 RK_{31}	15.8	X	30.25829	24.10116	13.45744	3.75598	0.1204487	0.21029448	2.8005982	21	—	—
147890 2006 RL_{31}	16.8	X	75.05288	264.64500	173.82046	3.67533	0.1739753	0.29089388	2.2558644	21	1 13.5	18.5
147891 2006 RS_{48}	16.3	X	194.55219	121.15970	197.08070	1.81464	0.0758466	0.22700456	2.6614174	21	1 17.6	20.1
147892 2006 RC_{60}	17.0	X	38.68749	150.42560	210.41448	2.91795	0.1650847	0.27206166	2.3588002	21	—	—
147893 2006 SH	16.5	X	52.71153	302.05825	17.81750	3.14938	0.1785281	0.27061385	2.3672059	21	12 5.7	19.6
147894 2006 SO_{4}	16.3	X	118.95033	164.81195	213.91728	1.28251	0.2146654	0.22349286	2.6892238	21	1 26.1	19.8
147895 2006 ST_{4}	16.3	X	83.35600	132.69349	225.07398	4.86996	0.2351871	0.27817822	2.3240955	21	—	—
147896 2006 SR_{5}	16.9	X	47.47945	309.70185	32.71096	3.02506	0.2084013	0.27208239	2.3586804	21	—	—
147897 2006 SF_{12}	16.2	X	70.71718	148.56080	212.74186	12.36304	0.2390956	0.27712357	2.3299883	21	—	—
147898 2006 SH_{13}	15.9	X	131.08080	52.85148	284.11519	0.82392	0.0797383	0.21997979	2.7177793	21	—	—
147899 2006 SS_{18}	17.0	X	258.86228	293.83910	41.79658	6.37288	0.2025378	0.24342268	2.5403605	21	4 7.1	20.9
147900 2006 SZ_{42}	16.3	X	265.20741	32.12335	278.31317	2.27255	0.1535854	0.24079184	2.5588306	21	3 14.9	20.2
147901 2006 SV_{48}	15.2	X	183.72484	306.53358	39.79681	14.19455	0.2272881	0.22800881	2.6535970	21	2 23.9	20.0
147902 2006 SJ_{54}	14.2	X	271.31659	133.23024	217.12134	26.25457	0.2161853	0.17954634	3.1118478	21	5 9.7	18.9
147903 2006 SE_{61}	16.4	X	3.69282	318.39148	52.90977	6.11616	0.2465414	0.26768423	2.3844462	21	12 16.1	18.5
147904 2006 SG_{62}	16.9	X	68.09023	301.74510	47.21387	7.37593	0.1329721	0.27702415	2.3305457	21	—	—
147905 2006 SV_{63}	14.7	X	271.80917	333.30539	43.18052	20.46788	0.2242821	0.18188143	3.0851561	21	6 6.4	19.5
147906 2006 SB_{100}	14.7	X	143.44368	113.60734	88.38094	17.64943	0.0376158	0.18041833	3.1018130	21	10 4.7	19.6
147907 2006 SG_{130}	16.0	X	143.81214	198.78868	171.40342	6.78419	0.1520734	0.22533439	2.6745521	21	2 2.9	20.0
147908 2006 SV_{145}	16.3	X	70.54181	20.41465	10.12689	6.24278	0.0398181	0.21621974	2.7491968	21	—	—
147909 2006 TV_{39}	15.7	X	257.78373	240.59155	39.13935	10.28526	0.0945017	0.22866220	2.6485396	21	2 9.7	19.8
147910 2006 TY_{44}	15.8	X	236.71734	182.98063	54.97540	6.86285	0.0212298	0.21417568	2.7666610	21	—	—
147911 2006 TF_{45}	16.7	X	12.95884	117.11798	188.11929	1.49252	0.0504019	0.25297929	2.4759739	21	8 27.5	19.5
147912 2006 TD_{48}	15.8	X	55.65785	64.27081	190.48903	0.81624	0.0534780	0.18402234	3.0611810	21	8 16.7	19.8
147913 2006 TB_{58}	15.9	X	162.60127	170.31296	147.39428	1.86421	0.0607579	0.22003608	2.7173158	21	—	—
147914 2006 UE_{47}	16.2	X	308.64354	194.67858	193.20426	3.91332	0.0819015	0.18797936	3.0180698	21	9 3.1	20.0
147915 2006 UA_{105}	15.2	X	167.62772	288.66856	56.53280	15.49780	0.1029522	0.22318945	2.6916604	21	1 29.1	19.5
147916 2006 UX_{200}	14.6	X	268.01394	28.62442	236.02456	11.29701	0.0445251	0.15811954	3.3869778	21	2 10.2	19.7
147917 2006 UT_{201}	16.1	X	320.96696	78.40458	243.83915	1.15857	0.0871761	0.17924120	3.1153785	21	6 26.2	19.9
147918 Chiayi	17.2	X	339.76074	105.00813	354.02131	4.59646	0.1982639	0.27210086	2.3585736	21	—	—
147919 2006 UZ_{217}	16.9	X	128.02358	198.79752	189.48867	6.15008	0.1126340	0.28844074	2.2686368	21	1 20.5	19.6
147920 2006 UK_{223}	15.4	X	187.84269	251.09784	186.71529	4.14682	0.1500026	0.17507230	3.1646408	21	6 11.9	20.6

Planet	H	G	M	ω	Ω	i	e	μ	a	TE	Oppos.	V
	m		°	°	°	°		°				
147921 2006 UY_{243}	16.3	X	320.93098	256.98826	182.88655	1.84201	0.0164083	0.20387240	2.8591071	21	12 4.0	20.0
147922 2006 UD_{262}	15.0	X	131.68127	307.79067	275.39393	16.12568	0.0430031	0.18462146	3.0545548	21	9 29.9	19.9
147923 2006 VK_{34}	15.6	X	270.98647	323.30512	80.54529	4.05813	0.0751225	0.18268146	3.0761422	21	8 5.3	19.8
147924 2006 VM_{36}	15.8	X	237.39575	308.35637	132.37277	5.90209	0.1439084	0.18286587	3.0740738	21	8 2.2	20.5
147925 2006 VU_{42}	16.2	X	12.92196	254.38334	1.17647	3.58187	0.0282289	0.23954862	2.5676763	21	6 15.2	19.3
147926 2006 VJ_{94}	15.4	X	290.61948	331.20171	56.74362	7.70725	0.1811446	0.18336538	3.0684884	21	7 26.7	19.5
147927 2006 VU_{129}	15.8	X	321.91151	240.50405	78.95423	1.83473	0.1761924	0.18059618	3.0997762	21	6 12.4	19.5
147928 2006 VW_{137}	16.8	X	77.83777	276.64203	71.60634	4.78096	0.1917201	0.27385161	2.3485105	21	—	—
147929 2006 WE_{11}	15.0	X	269.08442	346.66543	33.48229	8.86515	0.0455670	0.17745133	3.1362924	21	7 7.4	19.5
147930 2006 WD_{28}	15.7	X	312.42631	234.14529	137.91553	1.83938	0.1395782	0.18515885	3.0486418	21	8 12.6	19.5
147931 2006 WO_{102}	15.9	X	124.98779	179.65810	50.11494	0.48386	0.1033464	0.18817458	3.0159820	21	10 13.5	20.3
147932 3043 *P–L*	16.6	X	246.44920	52.70040	284.37278	6.34513	0.1672750	0.30213536	2.1995559	21	3 19.9	20.0
147933 4744 *P–L*	17.0	X	111.30634	68.28111	357.89427	1.84959	0.1412176	0.28293914	2.2979507	21	2 26.1	19.4
147934 6302 *P–L*	17.1	X	321.71602	52.97742	355.73950	1.01707	0.1748439	0.25914360	2.4365522	21	10 30.8	19.1
147935 6620 *P–L*	14.8	X	66.24346	82.89554	10.64376	13.44366	0.1765389	0.21714935	2.7413450	21	2 17.5	18.0
147936 6728 *P–L*	17.2	X	113.17647	252.68215	127.37788	2.55509	0.2135742	0.28129494	2.3068965	21	1 7.3	19.4
147937 1038 *T–2*	17.2	X	224.34120	184.14043	210.73410	1.59224	0.1441491	0.30324008	2.1942106	21	5 19.0	20.2
147938 1119 *T–2*	16.7	X	230.80654	342.17841	359.92909	4.99648	0.1680875	0.30127896	2.2037222	21	3 15.5	20.1
147939 1413 *T–2*	17.3	X	74.14665	39.91382	297.37182	1.47362	0.2134930	0.27155507	2.3617328	21	—	—
147940 2203 *T–2*	16.3	X	220.61980	228.48538	189.81514	7.85134	0.1602068	0.24179047	2.5517802	21	6 16.5	20.4
147941 4134 *T–2*	17.0	X	97.00764	294.95124	35.61313	1.97633	0.2003773	0.27244696	2.3565758	21	—	—
147942 1058 *T–3*	15.1	X	327.18309	32.42092	326.87071	10.31717	0.1595211	0.17728027	3.1383096	21	8 18.1	18.6
147943 1209 *T–3*	16.6	X	95.11540	81.76272	305.43510	5.93240	0.1342526	0.27664291	2.3326864	21	—	—
147944 3448 *T–3*	16.2	X	302.45354	239.54563	156.68284	2.61891	0.1343251	0.24492349	2.5299723	21	9 4.8	18.7
147945 4021 *T–3*	16.7	X	91.57538	317.68268	66.80826	3.48863	0.1760337	0.27639263	2.3340943	21	—	—
147946 4084 *T–3*	17.1	X	59.19811	286.78364	88.84338	3.14370	0.1936890	0.27403137	2.3474834	21	—	—
147947 4187 *T–3*	15.4	X	307.92798	202.43291	121.34507	5.27193	0.1822241	0.24219731	2.5489218	21	5 23.4	18.5
147948 4211 *T–3*	15.0	X	287.83811	317.50082	52.34870	10.19236	0.0976009	0.17545237	3.1600689	21	7 10.9	19.4
147949 4284 *T–3*	16.0	X	225.72717	282.96532	111.21569	4.08881	0.1407213	0.24031085	2.5622439	21	5 23.4	20.0
147950 4642 *T–3*	14.7	X	79.90680	40.03412	166.08762	9.54741	0.0210229	0.17416364	3.1756384	21	7 11.1	19.3
147951 5156 *T–3*	14.8	X	233.60639	342.55058	80.47736	12.96197	0.1035716	0.17424832	3.1746095	21	7 11.4	19.7
147952 1984 BY_3	15.8	X	64.30590	123.70989	316.03586	7.54180	0.2993723	0.21373237	2.7704852	21	2 7.1	18.0
147953 1993 FB_{75}	16.4	X	359.96105	140.64317	3.05879	5.67066	0.0666055	0.27484084	2.3428719	21	—	—
147954 1993 RW_{14}	16.4	X	263.61525	191.63309	189.36729	3.61315	0.1463108	0.24015321	2.5633650	21	6 15.5	19.9
147955 1993 TS_{10}	15.1	X	82.28210	314.81043	11.60840	6.92167	0.1396647	0.25242457	2.4796000	21	—	—
147956 1993 TG_{11}	16.1	X	329.02494	104.20339	241.75572	2.51759	0.2056936	0.24314900	2.5422664	21	7 31.4	18.3
147957 1993 TM_{21}	15.9	X	230.29552	23.14483	31.20644	6.53560	0.2588795	0.23805186	2.5784279	21	6 13.2	20.4
147958 1993 TN_{25}	16.9	X	300.12208	255.54075	119.22808	2.48080	0.1695193	0.24244255	2.5472026	21	7 24.9	19.9
147959 1993 TQ_{28}	16.7	X	310.87342	199.33414	141.77643	3.49479	0.1848271	0.24123361	2.5557057	21	6 20.9	19.5
147960 1994 CM_4	16.8	X	327.75523	150.34323	146.72786	7.03767	0.1866583	0.29839802	2.2178836	21	5 13.3	18.9
147961 1994 EU_4	17.2	X	281.62216	14.76425	164.89056	6.53679	0.0541400	0.28181354	2.3040654	21	—	—
147962 1994 GD_5	17.3	X	132.04339	220.21456	10.84249	1.12513	0.1446627	0.26914785	2.3757939	21	11 1.4	21.0
147963 1994 JC_6	16.5	X	78.89221	121.49197	54.11103	5.97620	0.1018954	0.29405502	2.2396680	21	6 8.8	18.9
147964 1994 PP_9	16.2	X	51.25656	218.39749	138.30602	2.48378	0.1910857	0.26373875	2.4081678	21	—	—
147965 1994 PV_{14}	15.4	X	309.66266	53.63216	328.22832	15.66938	0.2626895	0.18053627	3.1004619	21	8 5.1	18.9
147966 1994 PK_{21}	16.6	X	253.40499	293.25558	349.71205	2.84490	0.2314333	0.27899233	2.3195721	21	1 21.4	20.4
147967 1994 PW_{38}	16.0	X	269.13873	119.83191	188.49115	0.72243	0.1614600	0.24594636	2.5229528	21	3 16.0	19.8
147968 1994 TZ_7	15.0	X	325.30271	345.79686	22.09024	4.71738	0.1250526	0.17992966	3.1074266	21	8 31.7	18.8
147969 1994 TD_8	16.9	X	202.14971	34.00805	29.87895	3.10840	0.2172623	0.24555130	2.5256581	21	6 3.8	21.3
147970 1994 UV_3	16.9	X	281.40895	232.34276	235.95849	1.31716	0.1630101	0.25648633	2.4533522	21	11 9.4	19.5
147971 Nametoko	15.3	X	268.09835	285.36871	99.42910	6.33781	0.2018488	0.17396963	3.1779989	21	6 19.6	20.0
147972 1995 ED_2	17.0	X	243.65835	181.28801	250.44647	1.34530	0.0454662	0.24242658	2.5473144	21	8 12.1	20.4
147973 1995 FC_2	16.8	X	96.49003	165.01019	48.81273	2.25469	0.0378947	0.23893053	2.5721026	21	8 19.0	20.1
147974 1995 HO_3	17.1	X	144.50824	227.77780	85.08090	4.14415	0.1830743	0.28628312	2.2800212	21	—	—
147975 1995 QK_{12}	15.7	X	103.07595	162.07220	208.47586	5.27846	0.0819056	0.20572003	2.8419624	21	—	—
147976 1995 SU_{27}	16.5	X	10.25858	259.19775	174.71815	0.63511	0.0568881	0.19774201	2.9178978	21	—	—
147977 1995 SH_{30}	16.2	X	317.13801	58.50393	171.30221	5.25588	0.1340899	0.21292393	2.7774936	21	2 8.5	19.9
147978 1995 SA_{34}	16.0	X	239.80902	176.45265	167.50406	3.01340	0.1674469	0.17834660	3.1257879	21	4 6.8	20.9
147979 1995 SU_{41}	16.4	X	207.47492	27.92178	69.88584	1.89822	0.1595363	0.18196117	3.0842547	21	7 24.0	21.4
147980 1995 SJ_{42}	17.0	X	100.94342	241.09091	147.88912	2.43203	0.2294208	0.27981669	2.3150141	21	1 2.9	19.1
147981 1995 UP_{12}	16.8	X	186.26202	338.57647	15.99902	3.79401	0.1586309	0.28590842	2.2820128	21	2 20.4	20.2
147982 1995 UC_{50}	17.4	X	122.95393	168.78400	221.90189	1.06793	0.1881376	0.28237551	2.3010075	21	1 31.2	20.1
147983 1995 VL_{18}	16.7	X	174.46552	272.62936	57.08616	3.55063	0.1824388	0.28064400	2.3104622	21	1 10.6	20.1
147984 1995 WO_4	16.1	X	104.80024	316.73542	97.52676	4.73995	0.1969067	0.27971687	2.3155648	21	2 10.7	18.5
147985 1995 WS_5	16.4	X	186.69088	346.88504	352.87463	5.53986	0.2186631	0.28413298	2.2915093	21	2 6.0	20.0
147986 1995 WW_{16}	17.0	X	111.12866	80.13474	250.67047	2.59913	0.1590493	0.27492758	2.3423791	21	—	—
147987 1995 WY_{17}	16.4	X	292.71869	347.18043	9.09874	2.44342	0.1357099	0.25804886	2.4434385	21	6 21.6	19.3
147988 1995 YS_1	17.8	X	199.19988	124.51399	240.01968	2.02357	0.3239119	0.36172983	1.9508019	21	3 12.3	21.1
147989 1995 YJ_{10}	16.7	X	356.54767	318.25500	128.35352	4.14595	0.2022268	0.26837115	2.3803756	21	—	—
147990 1995 YX_{10}	15.6	X	237.72082	125.72056	287.78508	12.92136	0.2749518	0.17579960	3.1559065	21	6 19.1	21.0
147991 1996 AC_{11}	17.4	X	288.39675	7.95327	177.69250	2.27004	0.1618890	0.26841425	2.3801208	21	—	—
147992 1996 BA_{11}	15.2	X	198.46765	194.02140	276.69028	8.97939	0.0251266	0.17312227	3.1883605	21	8 3.8	20.0
147993 1996 FZ_8	16.2	X	294.85647	73.17650	110.86661	2.92584	0.1090685	0.26556133	2.3971368	21	—	—
147994 1996 GF_{10}	16.9	X	343.97505	314.01202	140.54985	1.85519	0.1602968	0.26181409	2.4199555	21	—	—
147995 1996 GX_{15}	15.6	X	234.77951	288.32872	44.10209	5.59264	0.2794670	0.23112493	2.6296918	21	3 11.9	20.3
147996 1996 RD_8	16.6	X	55.64071	113.79825	199.33476	1.50641	0.0447788	0.20151178	2.8813925	21	10 31.4	20.6
147997 1996 RH_{26}	16.7	X	12.56065	322.45691	3.03048	4.25357	0.2286244	0.31728167	2.1289856	21	11 1.4	18.4
147998 1996 VC_5	16.0	X	193.82224	235.08354	99.38540	5.36821	0.1540171	0.21437565	2.7649402	21	2 11.9	20.5
147999 1997 AC_{14}	15.6	X	39.68479	320.43644	116.89145	12.18687	0.1655622	0.20251760	2.8718442	21	—	—
148000 1997 EB_9	16.3	X	64.22195	240.30141	353.65618	6.46460	0.1226942	0.29608581	2.2294154	21	8 20.3	18.7